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UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

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November 2, 1948

Trade-Marks	44	No. 441,192 to No.	441,235, inclusive
T. M. (Act of 1946)	136	No. 503,573 to No.	503,708, inclusive
T. M. Renewals	62		
Plant Patent	1	No. 810	
Patents	574	No. 2,452,534 to No.	2,453,107, inclusive
Designs	92	No. 151,578 to No.	151,669, inclusive
Total	909		

Patents expiring: Patent Numbers 1,829,724 to 1,830,744, inclusive, issued November 3, 1931, expire November 3, 1948

Condition of Applications Under Examination at Close of Business Oct. 15, 1948

Total number of patent applications awaiting action, 154,650. Date of oldest new application, October 4, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	5-12-47	3-19-47	2828
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	1-31-47	9-10-46	2984
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	1-13-48	1- 8-48	1381
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	3- 4-47	2- 3-47	4118
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	4-17-47	9-20-46	1769
6. SURLE, H., Carbon Chemistry (part)	10-30-47	10- 9-47	1794
7. HANLIN, GEORGE, Optics; Photographic Apparatus	1-34-48	10- 8-47	1640
8. LEWIS, R. O., (Acting), Furniture; Racks and Cabinets	1-11-47	10- 2-46	4409
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	6-30-47	2- 6-47	2268
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	2-13-48	12- 4-47	1630
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	1- 8-48	1- 7-48	790
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	11-17-47	9-12-46	2239
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	10- 4-46	10-16-46	2411
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	1-20-48	10-16-47	1348
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	7-21-47	5-21-47	2133
16. LOVEWELL, N. N., Television; Telephony	1- 7-48	8- 1-47	1505
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4- 1-47	10-12-46	2069
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	7-15-47	8- 2-46	1999
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-18-47	2- 1-47	1888
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	4- 7-47	1-17-47	2036
21. MADER, R. O., Textiles	11-10-47	8-22-47	1255
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	11-14-47	1- 3-47	1688
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	10- 2-47	1-16-47	1183
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	9-25-47	9- 9-47	2797
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	11-25-47	2-17-47	1769
26. YOUNG, R. R., Electricity—Generation and Motive Power	1-21-48	1-13-47	1228
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	7-11-47	12-27-46	3579
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Railway Wheels and Axles.	9- 4-47	9- 3-47	963
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	3-28-47	2-27-47	3192
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	1- 6-48	10- 3-47	1563
31. DUNCOMBE, O. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	1-29-48	1-26-48	2174
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	3-31-47	11- 5-46	3228
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	2- 7-47	10-14-46	3565
34. SAPERSTEIN, S., Electricity—Transmission of Vehicles; Railways; Track Sanders; Signals and Indicators	3-15-47	10- 1-46	1509
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	6- 2-47	11-15-46	3350
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	11- 4-46	10- 9-46	1990
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	1-27-48	3- 4-47	1365
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	8- 9-47	5-31-47	1747
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	4-19-47	9- 6-46	3014
40. DRUMMOND, E. J., Receptacles (part); Packages	12- 5-47	12-18-46	3276
41. HERTZ, M., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	1-16-48	10-17-46	2334
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	1- 5-48	1- 9-48	1210
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	1- 2-48	12- 3-47	1291
44. HARVEY, L. P., Refrigeration; Preserving	10- 5-46	9-27-46	1106
45. MANTER W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances; Vehicle Fenders.	3-18-47	10-12-46	2590
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	7-25-47	10-16-46	1837

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 154,650. Date of oldest new application, October 4, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	12- 6-47	6-24-47	2204
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	1-20-48	3-21-47	1529
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	10-17-47	8-30-47	1565
50. LEVIN, SAMUEL, Synthetic Resins	12-31-47	10-24-47	2270
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	1-19-48	7-28-48	1784
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	10-13-47	1- 6-47	1876
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	5- 1-47	9-18-46	3589
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	1-21-48	7-18-47	1704
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Toilet	10-16-47	10-17-47	1907
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Heating and Illuminating Gas	12-16-47	11- 4-47	1062
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	4-29-47	1-14-47	3572
58. DOWELL, E. F., Abrading; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	12-31-46	1-20-47	2130
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	8-25-47	4-18-47	2026
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	2-13-48	7- 9-47	1407
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	12- 3-46	6-17-46	3767
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	6-14-47	9-17-46	1884
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	9-30-47	9-13-47	1372
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous	3-15-48	3-13-48	1589
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	1-16-48	6-28-47	2170
66. LISANN, L., Geometrical Instruments	6- 5-47	4-16-46	2079
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	8- 1-47	4-30-47	1997
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	2-26-48	8- 5-47	1483
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	7- 1-47	11- 1-46	1933
DESIGNS: BREHM, G. L.	2-28-47	2-11-48	7676

Total number of trade-mark applications awaiting action (including renewals and republications) 39,160. Date of oldest new application, Sept. 18, 1947; date of oldest amended application, Mar. 3, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	1-10-48	6-10-48	3024
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	10- 4-47	3-20-48	5633
3. SUMMERS, G. S., Classes 13, 21, 23, 26	9-18-47	4-30-48	4901
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-20-47	3- 3-48	4407
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	10-10-47	3-11-48	3450
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	11-28-47	8- 3-48	3247
7. KEYS, O. M., Classes 16, 19, 55	11- 3-47	3-27-48	2176
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	9-15-48	9-30-48	37
	11- 3-47	9-25-48	12285

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Accuracy Rig Tool Company, Houston, Tex. Soluble salt. Serial No. 546,812, Nov. 2. Class 6.

Aerovox Corporation, New Bedford, Mass. Electric condensers. Serial No. 544,645, Nov. 2. Class 21.

Alamo Manufacturing Co., Inc., New York, N. Y. Women's housedresses. Serial No. 531,176, Nov. 2. Class 39.

Allen, Mary L., Newark, N. J. Hair and scalp cream preparations. Serial No. 522,298, Nov. 2. Class 6.

Alside, Inc., Akron, Ohio. Metallic lap siding for buildings. Serial No. 549,103, Nov. 2. Class 12.

American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Periodical publications. Serial No. 554,461, Nov. 2. Class 38.

American Brake Shoe Company, New York, N. Y. Castings and forgings; welding rods; railroad frogs, etc. Serial No. 520,666, Nov. 2. Class 14.

American Buckle Company, The, West Haven, Conn. Suspender slides or buckles. Serial No. 552,203, Nov. 2. Class 40.

American Millwork Company, New Hyde Park, Long Island, N. Y. All-aluminum combination screen and window. Serial No. 548,226, Nov. 2. Class 12.

Amerskin, Inc.: *See*—
Zang, Perry N.

Amphac Laboratories, Inc., Everett, Wash. Medicinal preparation. 549,106, Nov. 2. Class 6.

Anchor Rubber Products, Inc., Cleveland, Ohio. Automobile floor mats. Serial No. 536,985, Nov. 2. Class 50.

Anheuser-Busch, Inc., St. Louis, Mo. Modified (i. e., oxidized or chlorinated) starch. Serial No. 549,042, Nov. 2. Class 6.

Armand Company, The, Des Moines, Iowa. Cologne. Serial No. 512,227, Nov. 2. Class 6.

Askin and Askin, Baltimore, Md. Men's, ladies', infants' and children's hosiery, underwear, handkerchiefs, etc. Serial No. 519,562, Nov. 2. Class 39.

Associated Merchandising Corporation, The, New York, N. Y. Electric refrigerators. Serial No. 547,504, Nov. 2. Class 31.

Associated Spring Corporation, Bristol, Conn. Periodical publication. Serial No. 551,431, Nov. 2. Class 38.

Atlas Fumigating and Exterminating Company: *See*—
Stover, William J.

Atlas Overhead Door Company, Quakertown, Pa. Doors of the overhead type. Serial No. 517,884, Nov. 2. Class 12.

Autographic Register Company, Hoboken, N. J. Strips, leaves, and sheets of plain, lithograph and printing paper. Serial No. 527,566, Nov. 2. Class 37.

Avilite, Inc., Burbank, Calif. Insecticides. Serial No. 520,605, Nov. 2. Class 6.

Baco Accessories Company, Hollywood, Calif. Photographic products. Serial Nos. 526,715–16, Nov. 2. Class 26.

Berger, Samuel, doing business as Montauk Shirt Company, New York, N. Y. Men's dress shirts, sportswear. Serial No. 504,316, Nov. 2. Class 39.

Bettencourt, A. T., Turlock and Huron, Calif. Fresh vegetables, fresh melons and fresh grapes. Serial No. 508,023, Nov. 2. Class 46.

Bobopen, Inc., Colorado Springs, Colo. Device for opening bobby pins. Serial No. 534,504, Nov. 2. Class 40.

Botany Mills, Inc., Passaic, N. J. Hand knitting yarns. Serial No. 531,765, Nov. 2. Class 43.

Boyle-Midway Inc., Jersey City, N. J. Crack filler. Serial No. 539,932, Nov. 2. Class 12.

Brown & Bigelow, St. Paul, Minn. Mechanical pencils. Serial No. 512,375, Nov. 2. Class 37.

Brown Shoe Company, Inc., St. Louis, Mo. Shoes. Serial No. 536,580, Nov. 2. Class 39.

Bunyan, Paul, Bait Company, The, Minneapolis, Minn. Fishing tackle, equipment, and supplies. Serial No. 540,380, Nov. 2. Class 22.

Burdick Corporation, The, Milton, Wis. Therapeutic appliances. Serial No. 514,752, Nov. 2. Class 44.

Burkhardt Company, The, Detroit, Mich. Display type loose-leaf portfolios. Serial No. 541,738, Nov. 2. Class 3.

Burkhardt Company, The, Detroit, Mich. Portfolios and loose leaf binder equipped portfolis. Serial No. 541,739, Nov. 2. Class 3.

Calva, J. B., and Company: *See*—
Calva, Jose B.

Calva, Jose B., doing business as J. B. Calva and Company, Minneapolis, Minn. Shampoo and hand and scalp creams. Serial No. 546,757, Nov. 2. Class 6.

Campus Jewelry Products, Inc., Providence, R. I. Jewelry. Serial No. 524,948, Nov. 2. Class 28.

Caron Corporation, New York, N. Y. Perfume, toilet water, and perfumed liquid bath preparation. Serial No. 547,698, Nov. 2. Class 6.

Central Scientific Company, Chicago, Ill. Reagents and volumetric solutions. Serial No. 528,077, Nov. 2. Class 6.

Chick Bed Company, Cedar Rapids, Iowa. Diatomaceous earth. Serial No. 533,442, Nov. 2. Class 1.

Clayton, Benjamin: *See*—
Vodol Company.

Cleveland Heater Company, The, Cleveland, Ohio. Metallic fittings and alloys. Serial No. 518,277, Nov. 2. Class 14.

Clover Farm Stores Corporation, Cleveland, Ohio. Wall paper cleaner, rug shampoo, dry cleaner, etc. Serial No. 554,093, Nov. 2. Class 4.

Colorado River Farms, Incorporated, Blythe, Calif. Fresh melons and fresh vegetables. Serial No. 516,890, Nov. 2. Class 46.

Condo, Henry J., Raritan, N. J. Concrete blocks and concrete cinder blocks. Serial No. 549,122, Nov. 2. Class 12.

Consolidated Cosmetics, assignor to Consolidated Cosmetics, Chicago, Ill. Perfume, cologne, deodorant, etc. Serial No. 542,536, Nov. 2. Class 6.

Continental Distilling Corporation, Philadelphia, Pa. Distilled potable alcoholic beverages. Serial No. 538,247, Nov. 2. Class 49.

Continental Elastic Corporation, The, New Bedford, Mass. Narrow elastic fabric. Serial Nos. 530,722–3, Nov. 2. Class 40.

Cooper, Lillian, Cosmetics, Ltd., New City, N. Y. Lipstick and cream rouge. Serial No. 549,514, Nov. 2. Class 6.

Corona Foothill Lemon Company, Corona, Calif. Fresh citrus fruits. Serial No. 535,816, Nov. 2. Class 46.

Cow, P. B., & Co. Limited, London, England. Douche devices, tubular rubber sleeves with conical projections, and hot bottles. Serial No. 535,820, Nov. 2. Class 44.

Craftest Foods, Inc., Sand Springs, Okla. Peanut butter, imitation fruit jellies and vinegar. Serial No. 533,849, Nov. 2. Class 46.

Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue. Serial No. 542,002, Nov. 2. Class 37.

Crown Zellerbach Corporation, doing business as The National Paper Products Co. and Nata Products Company, San Francisco, Calif. Paper towels and toilet tissue. Serial No. 542,013, Nov. 2. Class 37.

Darden, Chas. E., & Co., Dallas, Tex. Popcorn. Serial No. 500,957, Nov. 2. Class 46.

Day's Tailor-D Clothing, Inc., Tacoma, Wash. Men's and boys' corduroy slacks. Serial No. 514,806, Nov. 2. Class 39.

D'Azzo, Errol P., New York, N. Y. Galvanized bars. Serial No. 503,978, Nov. 2. Class 13.

Denis, David R., Winnetka, Ill. Display mounting for coins. Serial No. 522,074, Nov. 2. Class 32.

Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. Serial No. 561,891, Nov. 2. Class 4.

Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. Serial No. 561,893, Nov. 2. Class 4.

Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. Serial No. 561,902, Nov. 2. Class 4.

Dockson Corporation, Detroit, Mich. Welding shield. Serial No. 545,354, Nov. 2. Class 26.

Dominant, Incorporated, Attleboro, Mass. Watch attachments and bracelets. Serial No. 510,663, Nov. 2. Class 28.

Dresner, S., & Son, Inc., Chicago, Ill. Hand luggage. Serial No. 549,911, Nov. 2. Class 3.

"Dynamo" Tulle Importing Co., Inc., The, New York, N. Y. Tulles, muslins, crepes, etc. Serial No. 526,207, Nov. 2. Class 42.

Eberhard Faber Pencil Company, Brooklyn, N. Y. Crayons. Serial No. 539,944, Nov. 2. Class 37.

Economic Trend Line Studies: *See*—
Tripp, Chester D.

Electrical Publications, Inc., Chicago, Ill. Monthly magazine. Serial No. 537,996, Nov. 2. Class 38.

Electro Manufacturing Corporation, Chicago, Ill. Electric bed lamps. Serial No. 528,916, Nov. 2. Class 21.

Endicott Johnson Corporation, Endicott, N. Y. Golf balls. Serial No. 533,557, Nov. 2. Class 22.

Escalante, Jose, & Co., Chicago, Ill. Cigars. Serial No. 533,238, Nov. 2. Class 17.

Escalante, Jose, & Co., Chicago, Ill. Cigars. Serial No. 533,240, Nov. 2. Class 17.

Escalante, Jose, & Co., Chicago, Ill. Cigars. Serial Nos. 533,245–6, Nov. 2. Class 17.

Feature Ring Co., Inc., New York, N. Y. Mountings for jewelry. Serial No. 539,866, Nov. 2. Class 28.

Fisher Dairy & Cheese Company, doing business as Koneta Foods Company, Wapakoneta, Ohio. Cheese. Serial No. 536,883, Nov. 2. Class 46.

Fletcher Paper Company, Alpena, Mich. Printing paper. Serial No. 532,670, Nov. 2. Class 37.

Franklin County Coal Corporation, Chicago, Ill. Bituminous coal. Serial No. 529,001, Nov. 2. Class 1.

Frazin, William M., doing business as Wm. M. Frazin Company, Chicago, Ill. Neckties. Serial No. 505,570, Nov. 2. Class 39.

Frazin, Wm. M., Company: *See*—
Frazin, William M.

Gage, Kelso B., doing business as Magic Valley Groves, Alamo, Tex. Fresh citrus fruits, fresh citrus fruit juices, etc. Serial No. 548,134, Nov. 2. Class 46.

General Dyestuff Corporation, New York, N. Y. Detergents. Serial No. 514,028, Nov. 2. Class 4.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. Serial No. 528,268, Nov. 2. Class 6.

Gimenez, Jorge, Catano, Puerto Rico. Medicine containing cod liver oil and extract of ipecacuana combined in an emulsion. Serial No. 530,911, Nov. 2. Class 6.

Glascote Products, Inc., Cleveland, Ohio. Pipe, pipe fittings, fluid shut off valves, etc. Serial No. 517,991, Nov. 2. Class 13.

Goldsmith, Louis, Inc., Philadelphia, Pa. Men's and boys' suits, trousers, overcoats, etc. Serial No. 533,493, Nov. 2. Class 39.

Goodstein Bros. & Co. Inc., New York, N. Y. Men's and boys' suits and coats. Serial No. 520,333, Nov. 2. Class 39.

Great American Tea Company, The, New York, N. Y. Antiseptic medicated cream. Serial No. 550,226, Nov. 2. Class 6.

Great American Tea Company, The, New York, N. Y. Antiseptic astringent mouth wash. Serial No. 550,228, Nov. 2. Class 6.

Great American Tea Company, The, New York, N. Y. Tooth powder. Serial No. 550,229, Nov. 2. Class 6.

Great American Tea Company, The, New York, N. Y. Liniment. Serial No. 550,690, Nov. 2. Class 6.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Salad and cooking oil. Serial No. 534,772, Nov. 2. Class 46.

Great Stuff Products, Inc., Minneapolis, Minn. Soap. Serial No. 531,028, Nov. 2. Class 4.

Grossman, Julius, Inc., Brooklyn, N. Y. Women's shoes. Serial No. 530,819, Nov. 2. Class 39.

Gutalder, Paul A., doing business as Tru-Tye Bridging Co., Gibsonia, Pa. Metal bridging for floor joists and the like. Serial No. 549,924, Nov. 2. Class 12.

Hammond Iron Works, Warren, Pa. Metal tanks and combination metal and concrete tanks. Serial No. 515,833, Nov. 2. Class 2.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire brick. Serial No. 542,311, Nov. 2. Class 12.

Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycle shirts, sweaters, breeches, etc. Serial No. 531,120, Nov. 2. Class 39.

Hathaway, C. F., Co., Waterville, Maine. Outer shirts. Serial No. 533,892, Nov. 2. Class 39.

Heil Co., The, Milwaukee, Wis. Storage tanks. Serial No. 537,690, Nov. 2. Class 2.

Hickey-Freeman Company, Rochester, N. Y. Men's suits. Serial No. 538,930, Nov. 2. Class 39.

Hicks, Leonard D., doing business as Madilen Milling Company, Madison, Fla. Canned cane syrup. Serial No. 531,670, Nov. 2. Class 46.

Hohenbach, Chas., Inc., Chicago, Ill. Thueringer sausage. Serial No. 530,821, Nov. 2. Class 46.

Holyoke Belting Company, Holyoke, Mass. Leather belting. Serial No. 534,286, Nov. 2. Class 35.

Hopkinsville Milling Co., Hopkinsville, Ky. Corn meal. Serial No. 530,201, Nov. 2. Class 46.

Hydro-Chemical Company Incorporated. Antislipping preparations. Serial No. 539,418, Nov. 2. Class 4.

Hygienic Productions Inc., Wilmington, Ohio. Pharmaceutical preparations. Serial Nos. 548,258–9, Nov. 2. Class 6.

Hy-Pop, Inc., Sac City, Iowa. Pop corn. Serial No. 533,859, Nov. 2. Class 46.

International Allied Printing Trades Association, Indianapolis, Ind. Almanacs, annual publications, book series, etc. Serial No. 528,571, Nov. 2. Class 38.

Jabel Ring Manufacturing Co., Newark, N. J. Finger rings, finger ring settings, brooches, etc. Serial No. 542,140, Nov. 2. Class 28.

Jacobs Bros. Co., Inc., The, Brooklyn, N. Y. Weighing scales. Serial No. 545,254, Nov. 2. Class 26.

Jester Company Limited, The, Leicester, England. Cotton yarns and threads, woolen yarns and rug wool. Serial No. 541,549, Nov. 2. Class 43.

K-D Lamp Division of Noma Electric Corporation: *See*—
Noma Electric Corporation.

Kay Products Company, Cincinnati, Ohio. Game played with socketed pieces. Serial No. 509,941, Nov. 2. Class 22.

King Publications, San Francisco, Calif. Monthly publication. Serial No. 540,077, Nov. 2. Class 38.

Koneta Foods Company: *See*—
Fisher Dairy & Cheese Company.

La Marche, Austin W., Chicago, Ill. Electric current converter. Serial No. 545,377, Nov. 2. Class 21.

Lamoraga Specialties: *See*—
Tibbetts, Louise S.

Lanselle Parfumeur S. A. R. L., Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 509,222, Nov. 2. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Soap. Serial No. 535,974, Nov. 2. Class 4.

Lionel, Seattle, Wash. Greeting cards. Serial No. 550,925, Nov. 2. Class 38.

Loeb, William W., Company, assignee of William W. Loeb Company, Los Angeles, Calif. Shower curtains and window curtains. Serial No. 505,507, Nov. 2. Class 42.

Lorain Products Corporation, Lorain, Ohio. Electrical static frequency converters. Serial No. 537,910, Nov. 2. Class 21.

Lorillard, P., Company, New York, N. Y. Smoking tobacco. Serial No. 536,914, Nov. 2. Class 17.

Lorillard, P. Company, New York, N. Y. Cigarettes. Serial No. 536,926, Nov. 2. Class 17.

M.-D. Laboratory, Muskogee, Okla. Composition for the treatment of the scalp. Serial No. 523,693, Nov. 2. Class 6.

Madilen Milling Company: *See*—
Hicks, Leonard D.

Magic Valley Groves: *See*—
Gage Kelso Brewer.

Maico Company, Incorporated, The, Minneapolis, Minn. Flexible output conductors for audio amplifiers worn on the human body. Serial No. 532,946, Nov. 2. Class 44.

Markel Electric Products, Inc., Buffalo, N. Y. Wall-attached and ceiling-attached electric light fixtures and electric air heaters. Serial No. 532,617, Nov. 2. Class 21.

Marsh, Jordan Company, Boston, Mass. Mattresses. Serial No. 531,804, Nov. 2. Class 32.

Martin Cantine Company, The, Saugerties, N. Y. Book paper. Serial Nos. 541,559–60, Nov. 2. Class 37.

McGovern & McGovern: *See*—
Monitor Fisheries, Inc.

Meat Merchandising, Inc., St. Louis, Mo. Monthly magazine. Serial No. 536,410, Nov. 2. Class 38.

Medicine Chest, The: *See*—
Nicholas, George L.

Medley Distilling Company, Owensboro, Ky. Whiskey. Serial No. 535,858, Nov. 2. Class 49.

Mechanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Publication published from time to time. Serial No. 533,340, Nov. 2. Class 38.

Metlox Manufacturing Company, Manhattan Beach, Calif. Earthenware dinner ware. Serial No. 508,487, Nov. 2. Class 30.

Mexico Refractories Company, Mexico, Mo. Firebrick. Serial No. 543,312, Nov. 2. Class 12.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 511,892, Nov. 2. Class 28.

Meyercord Company, The, Chicago, Ill. Decalcomanias. Serial Nos. 536,412–13, Nov. 2. Class 38.

Meyercord Company, The, Chicago, Ill. Decalcomanias. Serial No. 536,415, Nov. 2. Class 38.

Michigan Chemical Corporation, St. Louis, Mich. Insecticides, chemicals, chemical compositions, etc. Serial No. 540,850, Nov. 2. Class 6.

Milprint, Inc., Milwaukee, Wis. Printed, engraved, and blank correspondence paper and stationery. Serial No. 503,823, Nov. 2. Class 37.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fluid-pressure responsive regulating and controlling instruments. Serial No. 527,970, Nov. 2. Class 26.

Minton, Mainzer Co., Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 534,795, Nov. 2. Class 42.

Monarch Leather Company, Chicago, Ill. Leather. Serial No. 513,445, Nov. 2. Class 1.

Monarch Leather Company, Chicago, Ill. Leather. Serial No. 513,447, Nov. 2. Class 1.

Monitor Fisheries, Inc., doing business as McGovern & McGovern, Seattle, Wash. Canned salmon. Serial No. 530,757, Nov. 2. Class 46.

Monitor Furniture Co., Inc., Jamestown, N. Y. Household furniture. Serial Nos. 535,862–3, Nov. 2. Class 32.

Montauk Shirt Company: *See*—
Berger, Samuel.

Moore-Montroy Electric Co., Los Angeles, Calif. Electric lighting fixtures and luminous signs. Serial No. 528,576, Nov. 2. Class 21.

Moore Sales Company, Cleveland, Tenn. Hosiery. Serial No. 513,267, Nov. 2. Class 39.

Nash-De Camp Company, Berkeley, Calif. Fresh deciduous fruits and fresh grapes. Serial No. 519,080, Nov. 2. Class 46.

Nata Products Company: *See*—
Crown Zellerbach Corporation.

National Motor Bearing Company, Inc., Redwood City, Calif. Grease and oil retainers of the friction. Serial No. 505,610, Nov. 2. Class 35.

National Paper Products Co., The: *See*—
Crown Zellerbach Corporation.

National Shorthand Reporters Association, Chicago, Ill. Magazine books, booklets and membership blanks of the association. Serial No. 541,441, Nov. 2. Class 38.

Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, book, index and onionskin paper, boxed stationery, tablets and manuscript cover. Serial No. 542,869–70, Nov. 2. Class 37.

Nicholas, George L., doing business as The Medicine Chest, Indianapolis, Ind. Laxatives. Serial No. 523,979, Nov. 2. Class 6.

Noma Electric Corporation, doing business as K-D Lamp Division of Noma Electric Corporation, New York, N. Y. and Cincinnati, Ohio. Automotive lighting and safety appliances. Serial No. 536,829, Nov. 2. Class 21.

Norcross, Inc., New York, N. Y. Greeting cards. Serial No. 533,766, Nov. 2. Class 38.

Northmont Hosiery Corporation, New York, N. Y. and Reading, Pa. Hosiery. Serial No. 535,736, Nov. 2. Class 39.

Northrup, King & Co., Minneapolis, Minn. Alfalfa seed. Serial No. 528,307, Nov. 2. Class 1.

Norwood Filtration Company, Northampton, Mass. Water conditioning equipment. Serial No. 519,487, Nov. 2. Class 31.

Okonite Company, The, Passaic, N. J. Electric cable. Serial No. 535,591, Nov. 2. Class 21.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Trunks: hand luggage. Serial No. 549,953, Nov. 2. Class 3.

Paramount Pest Control Service, Oakland, Calif. Insecticides, rodenticides and fungicides. Serial No. 515,631, Nov. 2. Class 6.

Patrick and Hudson Drug Co., Bladensburg, Md. Medicinal ointment. Serial No. 552,080, Nov. 2. Class 6.

Pechter Baking Co. Inc., New York, N. Y. Rye bread. Serial No. 534,180, Nov. 2. Class 46.

Pharmaceuticals, Inc., Los Angeles, Calif. Iodophenols in a gelatinous base. Serial No. 548,287, Nov. 2. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial Nos. 547,392–5, Nov. 2. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda and silicate of potash. Serial No. 547,396, Nov. 2. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial No. 547,397, Nov. 2. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial Nos. 547,399–400, Nov. 2. Class 6.

Phillips Manufacturing Company, Chicago, Ill. Degreasing apparatus. Serial No. 506,196, Nov. 2. Class 23.

Phi Psi Fraternity, Wolfeboro, N. H. Fraternity pins, finger rings, and lapel buttons. Serial No. 543,738, Nov. 2. Class 28.

Phi Theta Fraternity, Des Moines, Iowa. Fraternity pins, finger rings, and lapel buttons. Serial No. 543,739, Nov. 2. Class 28.

Physiological Chemicals Company, Inc., New York, N. Y. Medicinal preparations. Serial No. 511,183, Nov. 2. Class 6.

Pinkus & Gans, Los Angeles, Calif. Ladies' coats and suits. Serial No. 546,124, Nov. 2. Class 39.

Portland Woolen Mills, Inc., Portland, Oreg. Woolen piece goods, blankets, and automobile robes. Serial No. 533,772, Nov. 2. Class 42.

Procter & Gamble Company, The, Cincinnati, Ohio. Processed deodorized edible vegetable products. Serial No. 528,021, Nov. 2. Class 46.

Progressive Chemical Co.: *See*—
Reese, G. Byron.

Publicker Industries Inc., Philadelphia, Pa. Riboflavin supplement for poultry and live stock feeds. Serial No. 526,592, Nov. 2. Class 6.

Purocaine, Inc., Philadelphia, Pa. Liquid and solid chemical compounds and compositions. Serial No. 492,788, Nov. 2. Class 6.

Oakes & Company, Chicago, Ill. Air rifles, gun carriages, cartridges, etc. Serial No. 525,382, Nov. 2. Class 9.

Rabell, Miriam E., Waterbury, Conn. Tampons. Serial No. 535,623, Nov. 2. Class 44.

Radiron Corporation, Miamisburg, Ohio. Electric toasters. Serial No. 519,694, Nov. 2. Class 21.

Raimac Corporation, Grand Rapids, Mich. Food mixer and dispenser. Serial No. 531,948, Nov. 2. Class 23.

Rapinwax Paper Company, Minneapolis, Minn. Waxed wrapping paper. Serial No. 539,902, Nov. 2. Class 37.

Raymond Laboratories, Inc., St. Paul, Minn. Preparations for the treatment of hair. Serial No. 549,086, Nov. 2. Class 6.

Reese, G. Byron, doing business as Progressive Chemical Co., Minneapolis, Minn. Liquid chemical boiler scale remover, liquid brine-solvent and metal cleaning paste. Serial No. 532,892, Nov. 2. Class 6.

Regent Laboratories, Inc., New York, N. Y. After shave lotion. Serial No. 484,181, Nov. 2. Class 6.

Robbins, Anatole: *See*—
Robbins, Anatole, Inc.

Robbins, Anatole, Inc., doing business as Anatole Robbins, Los Angeles, Calif. Liquid make-up preparation for the face. Serial No. 524,284, Nov. 2. Class 6.

Robbins Company, The, Attleboro, Mass. Animal equipment. Serial No. 548,527, Nov. 2. Class 3.

Roben Products, Inc., Des Moines, Iowa. Food supplement. Serial No. 520,418, Nov. 2. Class 46.

Robinson, Frances J., doing business as Jeanene Robinson Preparations, Ely, Nev. Chemical preparation used in the treatment of the hair and scalp. Serial No. 538,040, Nov. 2. Class 6.

Robinson, Jeanene, Preparations: *See*—
Robinson, Frances J.

Rosenblatt, Louis B., Brooklyn, N. Y. News column. Serial No. 549,755, Nov. 2. Class 38.

Royal Souders, Inc., Dayton, Ohio. Household drugs. Serial No. 504,516, Nov. 2. Class 6.

S. & G. Gump Company, San Francisco, Calif. Brocade bags, purses, billfolds. Serial No. 541,290, Nov. 2. Class 3.

S. & G. Gump Company, San Francisco, Calif. Bracelets, brooches, earrings, etc. Serial No. 541,293, Nov. 2. Class 28.

Saf-T-Visi Gauge Corporation, Miami, Fla. Liquid level gauges. Serial No. 545,039, Nov. 2. Class 26.

Schenley Laboratories, Inc., New York, N. Y. Hydrolyzed polysaccharide. Serial No. 509,250, Nov. 2. Class 6.

Schliephake, Herbert O., Chicago, Ill. Model railroad kits for toys. Serial No. 537,366, Nov. 2. Class 22.

Schoeman & Company, Inc., New York, N. Y. Ball point pens, fountain pens and sets, stylo type pens, etc. Serial No. 541,970, Nov. 2. Class 37.

Sears, Roebuck and Co., Chicago, Ill. Piece goods. Serial No. 536,144, Nov. 2. Class 42.

Seeqit, Incorporated, New York, N. Y. Medicinal tablets. Serial No. 550,835, Nov. 2. Class 6.

Service Station Equipment Company, Philadelphia, Pa., and Muskegon Heights, Mich. Self-measuring gasoline dispensing pumps, power operated. Serial No. 543,022, Nov. 2. Class 26.

Seybold, Harvey, doing business as Harvey Seybold & Co., Cincinnati, Ohio. Drinking straws. Serial No. 532,962, Nov. 2. Class 50.

Seybold, Harvey, & Co.: *See*—
Seybold, Harvey.

Shepherd, J. H., Son & Company, Elyria, Ohio. Plastic wall tile. Serial No. 531,249, Nov. 2. Class 12.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides, fungicides, herbicides, etc. Serial No. 524,730, Nov. 2. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Color chip compilations and printed publications. Serial No. 524,739, Nov. 2. Class 38.

Simmons Company, New York, N. Y. Mattresses, box springs, coil springs, etc. Serial No. 540,919, Nov. 2. Class 32.

Simmons Company, New York, N. Y. Mattresses, box springs, coil springs, etc. Serial No. 540,921, Nov. 2. Class 32.

Simmons, Walter H., doing business as Welding Sales and Engineering Company, Detroit, Mich. Metal alloys. Serial No. 531,732, Nov. 2. Class 14.

Skelly Oil Company, Kansas City, Mo. Lubricating oils. Serial No. 536,716, Nov. 2. Class 15.

Smith, A. O., Corporation, Milwaukee, Wis. Containers for the storage of liquids and gas. Serial No. 527,760, Nov. 2. Class 2.

Sonotone Corporation, Elmsford, N. Y. Mechanoelectric energy transducers. Serial No. 544,921, Nov. 2. Class 21.

Spear Mills, Inc., Kansas City, Mo. Animal and poultry feeds. Serial No. 521,483, Nov. 2. Class 46.

Speer Carbon Company, St. Marys, Pa. Articles and products for electrical purposes. Serial No. 534,563, Nov. 2. Class 21.

Sperry Candy Company, Milwaukee, Wis. Candy bars. Serial No. 543,331, Nov. 2. Class 46.

Sperti, Inc., Cincinnati, Ohio. Ointment or medicament. Serial No. 537,541, Nov. 2. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Sulphur. Serial No. 543,758, Nov. 2. Class 6.

Staver, Edward F., doing business as Staver Mfg. Co., Jackson Heights, N. Y. Holders for retaining electron emission tubes. Serial No. 534,063, Nov. 2. Class 21.

Staver, Edward F., doing business as Staver Mfg. Co., Jackson Heights, N. Y. Shields for use on electron emission tubes. Serial No. 534,064, Nov. 2. Class 21.

Staver Mfg. Co.: *See*—
Staver, Edward F.

Sta-Warm Electric Company, The, Ravenna, Ohio. Electrically heated apparatus. Serial No. 540,332, Nov. 2. Class 21.

Steele, J. W., & Co., North Kansas City, Mo. Garment accessories comprising bands of paper or like flexible material. Serial No. 533,072, Nov. 2. Class 37.

Steele, J. W., & Co., North Kansas City, Mo. Garment accessories comprising collar supporting and reinforcing forms of paper. Serial No. 533,076, Nov. 2. Class 37.

Steele, J. W., & Co., North Kansas City, Mo. Garment accessories comprising collar supporting and reinforcing forms of paper. Serial No. 533,078, Nov. 2. Class 37.

Stevens & Thompson Paper Company, Greenwich, N. Y. Toilet tissue. Serial No. 540,120, Nov. 2. Class 37.

Stover, William J., doing business as Atlas Fumigating and Exterminating Company, Detroit, Mich. Fumigating, mothproofing and exterminating materials. Serial No. 495,110, Nov. 2. Class 6.

Stroock, S., & Co. Inc., New York, N. Y. Woven cloth. Serial No. 554,269, Nov. 2. Class 42.

Tibbetts, Louise S., doing business as Lamoraga Specialties, Moraga, Calif. Face creams, astringents, skin fresheners, etc. Serial No. 521,159, Nov. 2. Class 6.

Topps Chewing Gum, assignee: *See*—
Topps Chewing Gum, Incorporated.

Topps Chewing Gum, Incorporated, assignee of Topps Chewing Gum, Brooklyn, N. Y. Chewing gum. Serial No. 497,756, Nov. 2. Class 46.

Trifari, Krussman & Fishel, Inc., New York, N. Y. Jewelry. Serial No. 532,383, Nov. 2. Class 28.

Tripp, Chester D., doing business as Economic Trend Line Studies, Chicago, Ill. Periodicals. Serial No. 536,734, Nov. 2. Class 38.

Trundle Bundle Incorporated, Superior, Wis. Infants' and children's sleeping garments. Serial No. 518,058, Nov. 2. Class 39.
Tru-Tye Bridging Co.: *See*—
Gataider, Paul A.
United-Carr Fastener Corporation, Cambridge, Mass. Buckles, buttons, clasps, etc. Serial Nos. 497,895–6, Nov. 2. Class 40.
U. S. Automatic Corporation, Amherst, Ohio. Screw machine products. Serial No. 486,012, Nov. 2. Class 13.
United States Clothespin Company, Farmington, Maine. Clothespins. Serial No. 517,219, Nov. 2. Class 24.
United States Plywood Corporation, New York, N. Y. Plywood. Serial No. 549,097, Nov. 2. Class 12.
United States Rubber Company, New York, N. Y. Thermoplastic resins. Serial No. 526,644, Nov. 2. Class 1.
Valladares, Manuel, New York, N. Y. Wood-encased pencils, mechanical pencils, pen points, etc. Serial No. 532,071, Nov. 2. Class 37.
Vestal Lumber & Manufacturing Company, Knoxville, Tenn. Logs and wood. Serial No. 508,501, Nov. 2. Class 1.
Villareal Societe Cherifienne De Parfums (Societe Anonyme), Casablanca, Morrocco. Perfumes, toilet water, cologne, etc. Serial No. 532,890, Nov. 2. Class 6.
Violet Packing Co., Williamstown, N. J. Canned vegetables, tomato catsup, bottled olives. Serial No. 560,943, Nov. 2. Class 46.
Vodine Company: *See*—
Vodol Company.
Vodol Company, Chicago, Ill., now by change of name Vodine Company, assignor to B. Clayton, San Marino, Calif. Solidified iodine ointment. Serial No. 513,859, Nov. 2. Class 6.
Welcome Wagon Service Company, Inc., New York, N. Y. Printed folders. Serial No. 522,889, Nov. 2. Class 38.
Welding Sales and Engineering Company: *See*—
Simmons, Walter H.
Westgate Sea Products Co., San Diego, Calif. Canned fish. Serial No. 538,332, Nov. 2. Class 46.
Whitehall Pharmacal Company, New York, N. Y. Antacid preparation. Serial No. 550,107, Nov. 2. Class 6.
Wilco Products, Inc., Philadelphia, Pa. Combination index and memorandum pad holder. Serial No. 537,644, Nov. 2. Class 37.
Williams, Evan, Company Limited, London, England. Toilet preparations. Serial No. 513,168, Nov. 2. Class 6.
Williams Farms Company, Oxnard, Calif. Fresh vegetables. Serial No. 537,536, Nov. 2. Class 46.
Williams, J. F., & Co., Inc., Rochester, N. Y. Children's mattresses. Serial No. 533,219, Nov. 2. Class 32.
Williamson-Dickie Manufacturing Co., Fort Worth, Tex. Men's and boys' pants, work shirts, dungarees, etc. Serial No. 531,872, Nov. 2. Class 39.
Worthington Ball Company, The, Elyria, Ohio. Golf balls. Serial No. 527,808, Nov. 2. Class 22.
Zang, Perry N., assignor to Amorskin, Inc., Freeport, N. Y. Extract obtained from certain animal tissue combined with extracts of skin tissue obtained from certain species of reptiles. Serial No. 502,676, Nov. 2. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A C Electric Company: *See*—
Klein, Milton L.
A/S Einar Hausvik & Co., to Concord Canning Co. A/S, Bergen, Norway. Canned sardines. 182,333, renewed Apr. 8, 1944. O. G. Nov. 2. Class 46.
Abbott Laboratories, North Chicago, Ill. Antisyphilitic arsenical. 441,235, Nov. 2; Serial No. 522,870. Class 6.
Ace Periodicals, Inc.: *See*—
Magazine Publishers, Inc.
Adams, George W., et al., trustees, under the will of M. B. G. Eddy, deceased, Boston, Mass. Printed books and publications published periodically. 403,487, Sept. 28, 1943. Corrected. O. G. Nov. 2. Class 38.
Agricultural Leaders' Digest, Chicago, Ill. Magazine. 441,206, Nov. 2; Serial No. 513,369, published July 27, 1948. Class 38.
Aircube, Inc., New York, N. Y. Air-filled pillows and cushions. 503,648, Nov. 2; Serial No. 534,586, published July 27, 1948. Class 32.
Airfilm Corporation, Detroit, Mich. Heel pads and inner sole cushions for shoes. 373,561, Dec. 12, 1939. Republished Nov. 2. Class 39.
Alden Mills, The, New Orleans, La. Men's, women's, and children's hosiery. 503,627, Nov. 2; Serial No. 531,751, published July 27, 1948. Class 39.
Alexander Woolen Co., Chicago, Ill. Woolen fabrics. 280,448, Feb. 17, 1931. Republished Nov. 2. Class 42.
Alexander Woolen Co.; Chicago, Ill. Woolen piece goods. 342,258–60, Jan. 12, 1937. Republished Nov. 2. Class 42.
Alexander Woolen Co., Chicago, Ill. Woolen piece goods. 367,613, May 23, 1939. Republished Nov. 2. Class 42.
Allied Mills, Inc., Chicago, Ill. Dog and fox feeds. 503,599, Nov. 2; Serial No. 528,164, published Aug. 3, 1948. Class 46.
American Brake Shoe Company: *See*—
Electro Alloys Company, The.
American Brake Shoe Company, New York, N. Y. Publication issued periodically. 410,103–4, Nov. 7, 1944. Republished Nov. 2. Class 38.
American Brake Shoe Company, New York, N. Y. Car wheels. 410,556, Dec. 5, 1944. Republished Nov. 2. Class 19.
American Brake Shoe Company, New York, N. Y. Switch rods. 422,784, Aug. 13, 1946. Republished Nov. 2. Class 14.
American Brake Shoe Company, New York, N. Y. Trolley wheels and trolley harps. 423,612, Sept. 3, 1946. Republished Nov. 2. Class 21.
American Brake Shoe Company, New York, N. Y. Tuyères, and blast furnace parts. 424,628, Oct. 15, 1946. Republished Nov. 2. Class 34.
American Brake Shoe Company, New York, N. Y. Gate valves and parts thereof. 429,678, May 13, 1947. Republished Nov. 2. Class 13.
American Chemical Society, Washington, D. C. Periodicals. 503,649, Nov. 2; Serial No. 534,722, published Aug. 3, 1948. Class 38.
American Chemical Society, Washington, D. C. Periodicals. 503,650, Nov. 2; Serial No. 534,724, published Aug. 3, 1948. Class 38.
American Chemical Society, Washington, D. C. Periodicals. 503,651, Nov. 2; Serial No. 534,726, Aug. 3, 1948. Class 38.
American Cyanamid Company: *See*—
Ellis-Foster Company.
American Electric Cable Co., Holyoke, Mass. Insulated electric wire, cables, and cords. 393,303, Feb. 3, 1942. Republished Nov. 2. Class 21.
American Fixture and Manufacturing Co., St. Louis, Mo. Radio cabinets, display counters, display cases, etc. 503,614, Nov. 2; Serial No. 530,895, published Aug. 3, 1948. Class 32.
American Home Foods, Inc., New York and Rochester, N. Y., assignor to American Home Foods, Inc. Specially prepared cereals for the feeding of infants and young children. 503,670, Nov. 2; Serial No. 538,224, published Aug. 3, 1948. Class 46.
American Repertory Theatre: *See*—
Simons, Hazel I.
American Tissue Mills, Holyoke, Mass. Paper napkins. 307,234, Oct. 17, 1933. Republished Nov. 2. Class 37.
American Tissue Mills, Holyoke, Mass. Laminated papers. 307,710, Oct. 31, 1933. Republished Nov. 2. Class 37.
American Tissue Mills, Holyoke, Mass. Crepe, tissue, waxed, and glassine papers, etc. 307,824, Nov. 7, 1933. Republished Nov. 2. Class 37.
American Tissue Mills, Holyoke, Mass. Corrugated ornamental paper. 312,059, Apr. 17, 1934. Republished Nov. 2. Class 37.
American Varnish Company, The, Chicago, Ill. Varnishes. 47,126–7, Oct. 24, 1905. Republished Nov. 2. Class 16.
American Varnish Company, The, Chicago, Ill. Varnishes. 47,642, Nov. 14, 1905. Republished Nov. 2. Class 16.
American Varnish Company, The, Chicago, Ill. Varnishes. 47,755, Nov. 21, 1905. Republished Nov. 2. Class 16.
American Varnish Company, The, Chicago, Ill. Varnishes. 49,960–1, Feb. 27, 1906. Republished Nov. 2. Class 16.
American Varnish Company, The, Chicago, Ill. Preparations for the treatment of paper to make same washable. 307,714, Oct. 31, 1933. Republished Nov. 2. Class 6.
American Varnish Company, The, Chicago, Ill. Liquid enamels. 370,603, Aug. 29, 1939. Republished Nov. 2. Class 16.
American Varnish Company, The, Chicago, Ill. Colorless linoleum finish and preservative in liquid form. 416,991, Oct. 9, 1945. Republished Nov. 2. Class 16.
American Varnish Company, The, Chicago, Ill. Paints in paste form. 417,315, Oct. 23, 1945. Republished Nov. 2. Class 16.
Amsterdam Textiles, by Amsterdam Textiles, Inc., Amsterdam, N. Y. Rugs. 389,811, Aug. 19, 1941. Republished Nov. 2. Class 42.
Amsterdam Textiles, Inc.: *See*—
Amsterdam Textiles.
Arcady Farms Milling Company, Chicago, Ill. Publication. 503,573, Nov. 2; Serial No. 486,736, published July 27, 1948. Class 38.
Arkwright, Incorporated: *See*—
Weill & Hartmann.
Arkwright Merchandising Corporation, New York, N. Y. Women's underwear, slips, night gowns, etc. 503,646, Nov. 2; Serial No. 534,407, published July 20, 1948. Class 39.
Armen, Inc., New York, N. Y. Photograph embedded in moulded photo frame. 503,692, Nov. 2; Serial No. 546,750, published July 27, 1948. Class 38.

Arnold, Constable & Co., Inc., New York, N. Y. Women's hats, fur coats, fur jackets, etc. 503,659, Nov. 2; Serial No. 535,783, published July 27, 1948. Class 39.
Arnolt Motor Division, Arnolt Corporation, Warsaw, Ind. Marine engines. 441,227, Nov. 2; Serial No. 523,883, published July 27, 1948. Class 23.
Aron, J., & Company, Inc., New Orleans, La. Green coffee. 248,901–2, renewed Nov. 6, 1948. O. G. Nov. 2. Class 46.
Aronsohn, S. J., Inc., New York, N. Y. Textile fabrics. 210,798, Mar. 23, 1926. Republished Nov. 2. Class 42.
Aronsohn, S. J., Inc., New York, N. Y. Piece goods. 346,111, May 18, 1937. Republished Nov. 2. Class 42.
Aronsohn, S. J., Inc., Paterson, N. J., and New York, N. Y. Silk and artificial silk cloth. 356,849, May 10, 1938. Republished Nov. 2. Class 42.
Artmart Linen Co., Inc., New York, N. Y. Towels, bureau scarves, dresser scarves, etc. 397,707, Sept. 15, 1942. Republished Nov. 2. Class 42.
Associated Merchandising Corporation, The: *See*—
Associated Merchandising Corporation.
Associated Merchandising Corporation, to The Associated Merchandising Corporation, New York, N. Y. Hose supporters. 252,393, renewed Feb. 5, 1949. O. G. Nov. 2. Class 39.
Associated Merchandising Corporation, to The Associated Merchandising Corporation, New York, N. Y. Sanitary napkins, sanitary shadow skirts, sanitary aprons, etc. 252,667, renewed Feb. 12, 1949. O. G. Nov. 2. Class 44.
Association of Gray Line Owners, The, Baltimore, Md., to The Gray Line Association, Inc., Chicago, Ill. Booklets. 247,027, renewed Sept. 18, 1948. O. G. Nov. 2. Class 38.
Astra Bent Wood Furniture Company, New York, N. Y. Chairs, stools, table tops, etc. 503,588, Nov. 2; Serial No. 526,523, published Aug. 3, 1948. Class 32.
Attorney General of the United States: *See*—
Mulhens, Paul P.
Automatic Burner Corporation, Chicago, Ill. Oil burners and parts. 345,513, Apr. 27, 1937. Republished Nov. 2. Class 34.
Automatic Burner Corporation, Chicago, Ill. Oil burners and parts thereof. 350,907, Oct. 12, 1937. Republished Nov. 2. Class 34.
Automatic Burner Corporation, Chicago, Ill. Fuel oil burners. 429,427, Apr. 29, 1947. Republished Nov. 2. Class 34.
Babson Bros. Co., Chicago, Ill. Milking machines and parts thereof. 503,596, Nov. 2; Serial No. 527,647, published Aug. 3, 1948. Class 23.
Bailey's: *See*—
Gilman, Sarah D.
Barber & Bennett, by Barber & Bennett, Inc., Albany, N. Y. Rye, wheat and buckwheat flour. 95,863, Mar. 24, 1914. Republished Nov. 2. Class 46.
Barber & Bennett, Inc.: *See*—
Barber & Bennett.
Barnett Bros., New York, N. Y. Men's and boys' dress, negligee, and work shirts. 227,352, renewed May 3, 1947. O. G. Nov. 2. Class 39.
Barrell, William L., Company: *See*—
Barrell, William L., Co., of New York, Inc.
Barrell, William L., Co., Boston, Mass. Duck. 84,895, Jan. 9, 1912. Republished Nov. 2. Class 42.
Barrell, William L., Co., New York, N. Y. Canvas roofing. 87,145, July 2, 1912. Republished Nov. 2. Class 12.
Barrell, William L., Company, New York, N. Y. Cotton suitings. 307,274, Oct. 24, 1933. Republished Nov. 2. Class 42.
Barrell, William L., Company, New York, N. Y. Cotton fabrics. 313,831, June 12, 1934. Republished Nov. 2. Class 42.
Barrell, William L., Company, New York, N. Y. Cotton piece goods. 328,699, Oct. 1, 1935. Republished Nov. 2. Class 42.
Barrell, William L., Company, New York, N. Y. Cotton suitings. 333,131, Mar. 10, 1936. Republished Nov. 2. Class 42.
Barrell, William L., Company, New York, N. Y. Cotton suitings. 334,132, Apr. 21, 1936. Republished Nov. 2. Class 42.
Barrell, William L., Company, New York, N. Y. Cotton piece goods. 338,250, Sept. 1, 1936. Republished Nov. 2. Class 42.
Barrell, William L., Company, New York, N. Y. Cotton piece goods. 302,331, Apr. 11, 1933. Republished Nov. 2. Class 42.
Barrell, William L., Co., New York, N. Y. Cotton fabrics in the piece. 303,335, May 23, 1933. Republished Nov. 2. Class 42.
Barrell, William L., Co. Inc., New York, N. Y. Waterproofed fabrics. 305,210, Aug. 8, 1933. Republished Nov. 2. Class 42.
Barrell, Wm. L., Co. Inc., New York, N. Y. Cotton piece goods. 308,261, Nov. 28, 1933. Republished Nov. 2. Class 42.
Barrell, William L., Company, Inc., New York, N. Y. High count, light weight cotton fabrics dyed and waterproofed. 346,781, June 8, 1937. Republished Nov. 2. Class 42.
Barrell, William L., Company, Inc., New York, N. Y. High count, light weight cotton fabrics dyed and waterproofed. 346,995, June 15, 1937. Republished Nov. 2. Class 42.
Barrell, William L., Company, Inc., New York, N. Y. Cotton fabric in the piece, dyed and finished. 348,483, July 27, 1937. Republished Nov. 2. Class 42.
Barrell, William L., Company, Inc., New York, N. Y. Flame resistant, waterproof cotton duck. 348,503, July 27, 1937. Republished Nov. 2. Class 42.
Barrell, William L., Company, Inc., New York, N. Y. Waterproofed cotton fabrics in the piece. 348,932, Aug. 17, 1937. Republished Nov. 2. Class 42.
Barrell, William L., Company, Inc., New York, N. Y. Water-repellent cloth fabrics in the piece. 352,414, Nov. 30, 1937. Republished Nov. 2. Class 42.
Barrell, William L., Company, Inc., New York, N. Y. Piece goods. 366,057, Mar. 28, 1939. Republished Nov. 2. Class 42.
Barrell, William L., Company, Inc., New York, N. Y. Cotton piece goods. 378,318, June 4, 1940. Republished Nov. 2. Class 42.
Barrell, William L., Co., of New York, Inc., to William L. Barrell Company, New York, N. Y. Cotton duck in the piece. 246,969, renewed Sept. 18, 1948. O. G. Nov. 2. Class 42.
Bates, C. J., & Son, Chester, Conn. Knitting needles. 397,698, Sept. 15, 1942. Republished Nov. 2. Class 40.
Bates, C. J., & Son, Chester, Conn. Manicure implements. 426,171, Dec. 17, 1946. Republished Nov. 2. Class 44.
Bay State Milling Co., Winona, Minn. Rye flour. 503,589, Nov. 2; Serial No. 526,624, published Aug. 3, 1948. Class 46.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 248,805, Oct. 30, 1928. Republished Nov. 2. Class 39.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 249,741, Nov. 20, 1928. Republished Nov. 2. Class 39.
Bear Brand Hosiery Co., Chicago, Ill. Knitted articles. 307,899, Nov. 7, 1933. Republished Nov. 2. Class 39.
Beauty Counselors, Inc., Detroit, Mich. Toilet preparations. 350,068, Sept. 14, 1937. Republished Nov. 2. Class 6.
Beauty Counselors, Inc., Grosse Pointe, Mich. Liquid preparation adapted for use on the legs. 396,223, June 30, 1942. Republished Nov. 2. Class 6.
Bee Hat & Cap Co., St. Louis, Mo. Men's and boys' hats. 503,652, Nov. 2; Serial No. 534,981, published July 27, 1948. Class 39.
Belding Heminway Company, to Belding Heminway Company, Inc., New York, N. Y. Hosiery. 252,296, renewed Jan. 29, 1949. O. G. Nov. 2. Class 39.
Belding Heminway Company, Inc.: *See*—
Belding Heminway Company.
Belle City Glove Company, Chicago, Ill., and Racine, Wis. Work gloves and mittens. 503,675, Nov. 2; Serial No. 540,366, published July 27, 1948. Class 39.
Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, instalment loan, and instalment credit business. 503,695, Nov. 2; Serial No. 527,274, published Aug. 3, 1948. Class 55.
Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, instalment loan, and instalment credit business. 503,696, Nov. 2; Serial No. 527,277, published July 27, 1948. Class 55.
Bernards, John M., & Sons, Inc., San Leandro, Calif. Frozen confections. 503,633, Nov. 2; Serial No. 532,113, published July 27, 1948. Class 46.
"Big 4" Distilleries, Inc., Dundalk, Md., assignor to Continental Distilling Corporation, by Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 322,072, Feb. 26, 1935. Republished Nov. 2. Class 49.
Billings & Spencer Company, The, Hartford, Conn. Automatic screw machines, hot saws, and timber scribes. 399,501, Jan. 12, 1943. Republished Nov. 2. Class 23.
Birtman Electric Company: *See*—
Modern Laundry Machine Manufacturing Company.
Blish Milling Company, Seymour, Ind. Self-rising wheat flour. 240,487, Mar. 27, 1928. Republished Nov. 2. Class 46.
Blish Milling Company, Seymour, Ind. Wheat flour. 240,488, Mar. 27, 1928. Republished Nov. 2. Class 46.
Blish Milling Company, Seymour, Ind. Self-rising wheat flour. 241,093, Apr. 17, 1928. Republished Nov. 2. Class 46.
Blish Milling Company, Seymour, Ind. Self-rising wheat flour. 241,158, Apr. 17, 1928. Republished Nov. 2. Class 46.
Blish Milling Company, Seymour, Ind. Self-rising wheat flour. 242,333, May 22, 1928. Republished Nov. 2. Class 46.
Blish Milling Company, Seymour, Ind. Self-rising flour. 244,486, July 17, 1928. Republished Nov. 2. Class 46.
Blossom Products Corporation, Allentown, Pa. Ladies' and kiddies' panties and briefs. 425,837, Dec. 3, 1946. Republished Nov. 2. Class 39.
Blue Ribbon Paint Co., Wheeling, W. Va. Porch and floor paints. 219,524, Oct 19, 1926. Republished Nov. 2. Class 16.
Blum Store, The, Philadelphia, Pa. Women's and misses' suits, coats, dresses, etc. 503,681, Nov. 2; Serial No. 540,766, published July 20, 1948. Class 39.
Bodie-Hoover Petroleum Corporation, Chicago, Ill. Lubricating oils and lubricating greases. 328,811, Oct. 8, 1935. Republished Nov. 2. Class 15.
Bodie-Hoover Petroleum Corporation, Chicago, Ill. Lubricating oils and lubricating greases. 380,020, Aug. 6, 1940. Republished Nov. 2. Class 15.

Bond, Charles, Company, Philadelphia, Pa. Loom pickers. 188,113, Aug. 19, 1924.
Bond, Charles, Company, Philadelphia, Pa. Shaft couplings. 238,151, Jan. 31, 1928. Republished Nov. 2. Class 23.
Bonzette Foundations Inc., New York, N. Y. Brassières. 503,615, Nov. 2; Serial No. 531,082, published July 20, 1948. Class 39.
Booth Bottling Company, Inc., Philadelphia, Pa. Non-alcoholic maltless beverages. 503,595, Nov. 2; Serial No. 527,461, published July 20, 1948. Class 45.
Boott Mills, Lowell, Mass. Capes, men's and women's coats; children's play coats, hats and capes; bath robes, misses' and ladies' suits and skirts. 217,729, Sept. 7, 1926. Republished Nov. 2. Class 39.
Boott Mills, Lowell, Mass. Cotton or cotton and rayon scrim. 242,330, May 22, 1928. Republished Nov. 2. Class 42.
Boott Mills, Lowell, Mass. Toweling and hand and bath towels. 259,629, Aug. 6, 1929. Republished Nov. 2. Class 42.
Brill, H. C., Company, Inc., Newark, N. J. Baking powder. 252,141, renewed Jan 22, 1949. O. G. Nov. 2. Class 46.
Bruynzeel's Deurenfabriek N. V., Zaandam, Netherlands. Furniture for children. 441,224, Nov. 2; Serial No. 522,700, published July 27, 1948. Class 32.
Bryan Full Fashioned Mills, Inc., Chattanooga, Tenn. Hosiery. 503,604, Nov. 2; Serial No. 528,552, published July 20, 1948. Class 39.
Buckeye Tools Corp., Dayton, Ohio. Manually supported motor units. 404,732, Dec 21, 1943. Republished Nov. 2. Class 23.
Builders Iron Foundry, Providence, R. I. Fluid meters and fluid-rate controllers. 272,892, July 15, 1930. Republished Nov. 2. Class 26.
Builders Iron Foundry, Providence, R. I. Electric flow meters and pressure or rate of flow controllers and telemeters. 300,069, Sept. 5, 1933. Republished Nov. 2. Class 26.
Builders Iron Foundry, Providence, R. I. Fluid rate of fluid meters and controllers. 312,245, Apr. 24, 1934. Republished Nov. 2. Class 26.
Builders Iron Foundry, Providence, R. I. Mechanical flow meters. 351,655, Nov. 2, 1937. Republished Nov. 2. Class 26.
Bulova Watch Company, Inc., New York, N. Y. Watches. 431,493, July 22, 1947. Republished Nov. 2. Class 27.
Burdsal, A., Company, The, Indianapolis, Ind. Ready-mixed paints. 433,001, Sept. 23, 1947. Republished Nov. 2. Class 16.
Burger Brewing Company, The, Cincinnati, Ohio. Malt beverages. 503,625, Nov. 2; Serial No. 531,646, published July 27, 1948. Class 48.
Burgess Fabrics Corporation, New York, N. Y. Silk, rayon, cotton and woolen piece goods. 413,270, Apr. 17, 1945. Republished Nov. 2. Class 42.
Burkart, Frank: *See*—
Florlorange Canneries, Inc.
Burkart Products: *See*—
Florlorange Canneries, Inc.
Burnham & Morrill Co., Portland, Maine. Canned vegetables. 220,903, Nov. 16, 1926. Republished Nov. 2. Class 46.
Burson Knitting Company, Rockford, Ill. Hosiery. 71,429, re-renewed Nov. 24, 1948. O. G. Nov. 2. Class 39.
Button, George W., Co., New York, N. Y. Perfumes. 405,811, Feb. 22, 1944. Republished Nov. 2. Class 6.
Button, George W., Co., New York, N. Y. Perfumes, toilet waters and colognes. 413,543, May 1, 1945. Republished Nov. 2. Class 6.
Carman & Co., Inc.: *See*—
National Soap and Chemical Co., The.
Cassell, W. B., Co., The, Baltimore, Md. Salad oil. 441,198, Nov. 2; Serial No. 504,251, published Aug. 3, 1948. Class 46.
Catalina Hats, Ltd., Los Angeles, Calif. Women's and misses' hats. 503,594, Nov. 2; Serial No. 527,370, published July 27, 1948. Class 39.
Caterpillar Tractor Co., San Leandro, Calif. Tractors, internal combustion engines, power and manually controlled graders, etc. 345,499, Apr. 27, 1937. Republished Nov. 2. Class 23.
Cavalier Corporation: *See*—
Tennessee Furniture Corporation.
Central Headwear Manufacturing Co.: *See*—
Singer, Edward I.
Challenge Cream & Butter Association, Los Angeles, Calif. Unsweetened evaporated milk. 251,608, renewed Jan. 8, 1949. O. G. Nov. 2. Class 46.
Champion Animal Food Company, Minneapolis, Minn. Dog food. 503,605, Nov. 2; Serial No. 528,554, published Aug. 3, 1948. Class 46.
Chasers, Inc., doing business under the name The Ohio Confection Company, New York, N. Y., assignor to The Ohio Confection Company, by The Ohio Confection Company, Cleveland, Ohio. Chocolate covered almonds, raisins, and mints. 422,307, July 23, 1946. Republished Nov. 2. Class 46.
Chemco Photoproducts Company, Glen Cove, and New York, by Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photo-engraving and photographic chemicals. 353,510, Jan. 11, 1938. Republished Nov. 2. Classes 6 and 26.
Chemco Photoproducts Company, Inc.: *See*—
Chemco Photoproducts Company.
Chemiseal Company, The, by The Chemiseal Company, Detroit, Mich. Wood preservative and sealer. 365,261, Feb. 28, 1939. Republished Nov. 2. Class 16.
Chicago Mica Co., Valparaiso, Ind., by Continental-Diamond Fibre Company, Newark, Del. Built-up mica insulation, flexible insulating sheets, magnet-coils, etc. 145,060, July 26, 1921. Republished Nov. 2. Class 21.
Chicago Tribune-News York News Syndicate, Inc., New York, N. Y. Series of cartoons. 374,030, Dec. 26, 1939. Republished Nov. 2. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Newspaper column. 374,032, Dec. 26, 1939. Republished Nov. 2. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 374,033–5, Dec. 26, 1939. Republished Nov. 2. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 374,037, Dec. 26, 1939. Republished Nov. 2. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 375,030, Feb. 6, 1940. Republished Nov. 2. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 375,066, Feb. 6, 1940. Republished Nov. 2. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 375,653, Feb. 27, 1940. Republished Nov. 2. Class 38.
Christian Science Publishing Society, The, Boston, Mass. Comic strip in daily newspaper. 503,574, Nov. 2; Serial No. 503,425, published July 27, 1948. Class 38.
Churngold Corporation, The, Cincinnati, Ohio. Spread for bread. 412,638, Mar. 20, 1945. Republished Nov. 2. Class 46.
Cleveland Cap Screw Company, The, Cleveland, Ohio. Cap screws, spring center bolts, lock washers, etc. 384,512, Jan. 21, 1941. Republished Nov. 2. Class 13.
Cleveland Provision Company: *See*—
Cleveland Provision Company, The.
Cleveland Provision Company, The, by Cleveland Provision Company, Cleveland, Ohio. Cooked and smoked wieners, cooked and smoked luncheon meat, cooked minced sausage, etc. 154,516, Apr. 18, 1922. Republished Nov. 2. Class 46.
Climax Engineering Co., by Climax Industries, Inc., Clinton, Iowa. Internal-combustion engines. 163,912, Feb. 6, 1923. Republished Nov. 2. Class 23.
Climax Engineering Company, Clinton, Iowa, assignor to General Finance Corporation, Chicago, Ill., by Climax Industries, Inc., Clinton, Iowa. Internal combustion engine-electric generator units and electric lighting plants. 416,609, Sept. 25, 1945. Republished Nov. 2. Class 21.
Climax Industries, Inc.: *See*—
Climax Engineering Co.
Climax Engineering Company.
Coberknit Corp., New York, N. Y. Men's, boys' and ladies' coats and jackets. 441,226, Nov. 2; Serial No. 523,224, published Aug. 3, 1948. Class 39.
Cochran, Jacqueline, Roselle, N. J., by Jacqueline Cochran, Indio, Calif., assignor to Jacqueline Cochran, Inc., Newark, N. J. Cosmetics and beauty preparations. 390,485, Sept. 23, 1941. Republished Nov. 2. Class 6.
Cochran, Jacqueline, by Jacqueline Cochran, Roselle, assignor to Jacqueline Cochran, Inc., Newark, N. J. Perfume. 392,416, Dec. 23, 1941. Republished Nov. 2. Class 6.
Cochran, Jacqueline, Roselle, N. J., by Jacqueline Cochran, Indio, Calif., assignor to Jacqueline Cochran, Inc., Newark, N. J. Cosmetics and beauty preparations. 393,187, Jan. 27, 1942. Republished Nov. 2. Class 6.
Cochran, Jacqueline, Roselle, N. J., by Jacqueline Cochran, Indio, Calif., assignor to Jacqueline Cochran, Inc., Newark, N. J. Perfume. 393,188, Jan. 27, 1942. Republished Nov. 2. Class 6.
Cochran, Jacqueline, Roselle, N. J., by Jacqueline Cochran, Indio, Calif., assignor to Jacqueline Cochran, Inc., Newark, N. J. Cosmetics and beauty preparations. 397,229, Aug. 25, 1942. Republished Nov. 2. Class 6.
Cochran, Jacqueline, Inc., assignee: *See*—
Cochran, Jacqueline.
Columbia Records Inc.: *See*—
General Phonograph Corporation.
Columbian Rope Company, Auburn, N. Y. Rope. 98,364, July 14, 1914. Republished Nov. 2. Class 7.
Columbus Show Case Company, The, Columbus, Ohio. Merchandise display cases and parts thereof. 503,575, Nov. 2; Serial No. 504,821, published July 27, 1948. Class 32.
Comyns, Frederic, Dumont, N. J. Infants' bed cover comprising a combination vest and blanket. 503,645, Nov. 2; Serial No. 534,245, published July 27, 1948. Class 39.
Concord Canning Co., A/S: *See*—
A/S Einar Hausvik & Co.
Concord Fabrics, New York, N. Y. Textile fabrics in the piece. 379,281, July 9, 1940. Republished Nov. 2. Class 42.
Concord Fabrics, New York, N. Y. Textile fabrics in the piece. 379,930, July 30, 1940. Republished Nov. 2. Class 42.

Concord Fabrics, New York, N. Y. Cotton and rayon piece goods. 384,288, Jan. 14, 1941. Republished Nov. 2. Class 42.
Conn, C. G., Ltd.: *See*—
Miller, Arthur B.
Conro Manufacturing Company, Inc., Dallas, Tex. Work clothing. 441,225, Nov. 2; Serial No. 522,905, published Aug. 3, 1948. Class 39.
Consolidated Flour Mills Company, The, Wichita, Kans. Feeds for cattle, dairy animals, poultry, etc. 503,609, Nov. 2; Serial No. 530,061, published Aug. 3, 1948. Class 46.
Continental-Diamond Fibre Company: *See*—
Chicago Mica Co.
Diamond Stste Fibre Company.
Irvington Varnish & Insulator Co.
Continental Distilling Corporation: *See*—
"Big 4" Distilleries, Inc.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 310,151, Feb. 13, 1934. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 311,037, Mar. 13, 1934. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 311,039–42, Mar. 13, 1934. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 313,805–6, June 12, 1934. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 316,673–4, Sept. 4, 1934. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 318,963–4, Nov. 6, 1934. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 318,969, Nov. 6, 1934. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 319,611, Dec. 4, 1934. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 319,859–64, Dec. 4, 1934. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 319,867, Dec. 4, 1934. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,125, Jan. 22, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,131–2, Jan. 22, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,140, Jan. 22, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,142, Jan. 22, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,213, Jan. 22, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,216, Jan. 22, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,219, Jan. 22, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,487–8, Feb. 5, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,507–8, Feb. 5, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,512, Feb. 5, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,513–14, Feb. 5, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 322,063, Feb. 26, 1935. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 335,137, May 26, 1936. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 339,907, Oct. 27, 1936. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 343,790, Mar. 9, 1937. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 349,721, Aug. 31, 1937. Republished Nov. 2. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 376,997, Apr. 16, 1940. Republished Nov. 2. Class 49.
Continental Undergarment Co. Inc., Brooklyn, N. Y. Ladies' nightgowns, slips, bust confining garments, etc. 503,586, Nov. 2; Serial No. 522,885, published Aug. 3, 1948. Class 39.
Cooper, Wells, & Co., St. Joseph, Mich. Hosiery. 253,165, renewed Feb. 19, 1949. O. G. Nov. 2. Class 39.
Corn Products Refining Company: *See*—
Corn Products Refining Co.
Corn Products Refining Co., by Corn Products Refining Company, New York, N. Y. Laundry starch. 161,102, Nov. 7, 1922. Republished Nov. 2. Class 6.
Corn, W. M.: *See*—
Corn & Ware.
Standlee & Bryant.
Corn & Ware, by W. M. Corn, Calipatria, Calif. Fresh deciduous fruits, fresh citrus fruits, fresh melons. 284,885, July 7, 1931. Republished Nov. 2. Class 46.
Corn & Ware, by W. M. Corn, Calipatria, Calif. Fresh citrus fruits, fresh peaches, fresh melons. 300,375, Jan. 17, 1933. Republished Nov. 2. Class 46.
Conghlan, G. N., Co., West Orange, N. J. Slicer for eggs, butter, cheese, and vegetables. 441,199, Nov. 2; Serial No. 504,818, published Aug. 3, 1948. Class 23.
Country Club Beverage Company: *See*—
Katz, Morris I.
Country Club Soda Company, Inc.: *See*—
Katz, Morris I.
Country Club Soda Company, Inc., Springfield, Mass. Whiskey. 337,940, Aug. 25, 1936. Republished Nov. 2. Class 49.
Country Club Soda Company, Inc., Springfield, Mass. Non-alcoholic beverages. 348,465, July 27, 1937. Republished Nov. 2. Class 45.
Country Club Soda Company, Inc., Springfield, Mass. Non-alcoholic beverages. 377,512, May 7, 1940. Republished Nov. 2. Class 45.
Cow, P. B., & Co. Limited, London, England. Articles of plastic material for outer wear. 503,660, Nov. 2; Serial No. 535,821, published July 27, 1948. Class 39.
Craddock-Terry Shoe Corporation, Lynchburg, Va. Shoes. 503,628, Nov. 2; Serial No. 531,775, published Aug. 3, 1948. Class 39.
Creek Chub Bait Company, The, Garrett, Ind. Artificial baits. 242,113, renewed May 15, 1948. O. G. Nov. 2. Class 22.
Crescent Belt Fastener Company, by Crescent Belt Fastener Company, Inc., New York, N. Y. Fasteners, plates, clamps, and rivets. 79,107, Aug. 9, 1910. Republished Nov. 2. Class 13.
Crescent Belt Fastener Company, by Crescent Belt Fastener Company, Inc., New York, N. Y. Fasteners, plates, clamps, etc. 82,212, June 13, 1911. Republished Nov. 2. Class 13.
Crescent Belt Fastener Company, by Crescent Belt Fastener Company, Inc., New York, N. Y. Belt-fastening plates, and rivets. 102,628, Feb. 16, 1915. Republished Nov. 2. Class 13.
Crescent Belt Fastener Company, by Crescent Belt Fastener Company, Inc., New York, N. Y. Fasteners, plates, clamps, etc. 154,911, May 16, 1922. Republished Nov. 2. Class 13.
Crescent Belt Fastener Company, Inc.: *See*—
Crescent Belt Fastener Company.
Cresta Blanca Wine Company, Inc., assignor to Schenley Distillers Corporation, New York, N. Y. Wines. 503,656, Nov. 2; Serial No. 535,491, published Aug. 3, 1948. Class 47.
Crown Stove Works, Chicago, Ill. Gas ranges, and combination gas and coal ranges. 278,313, Dec. 16, 1930. Republished Nov. 2. Class 34.
Custom Maid Brassiere Co.: *See*—
Leithold, Emily.
Dalton Foundries, Inc., The, Warsaw, Ind. Automobile lifting jacks. 388,727, July 8, 1941. Republished Nov. 2. Class 23.
Danbury Rubber Company, Inc., Danbury, Conn. Shoe soles and heels. 503,641, Nov. 2; Serial No. 533,280, published July 27, 1948. Class 39.
Dare Cosmetics, Inc.: *See*—
Kole, Lessing L.
Darling Valve & Manufacturing Company, Williamsport, Pa. Gate valves, check valves, ball check valves, etc. 154,914, May 16, 1922. Republished Nov. 2. Class 13.
Dart, Robert H., Sacramento, Calif. Fresh grapes. 240,515, Mar. 27, 1928. Republished Nov. 2. Class 46.
Delapenha, R. U., & Co., Inc., New York, N. Y. Fruit brandies. 503,581, Nov. 2; Serial No. 514,106, published July 27, 1948. Class 49.
Dell Publishing Company, Inc., New York, N. Y. Magazine. 503,621, Nov. 2; Serial No. 531,446, published Aug. 3, 1948. Class 38.
Delta Manufacturing Company, The, Milwaukee, Wis., by Rockwell Manufacturing Company, Pittsburgh, Pa. Adjustable work heads for machine tools. 409,047, Sept. 12, 1944. Republished Nov. 2. Class 23.
Desmond's, by Desmond's, Inc., Los Angeles, Calif. Negligee and dress broadcloth shirts. 253,336, Feb. 26, 1929. Republished Nov. 2. Class 39.
Desmond's, by Desmond's, Inc., Los Angeles, Calif. Smoking tobacco. 407,076, May 16, 1944. Republished Nov. 2. Class 17.
Desmond's, assignor to Desmond's, Inc., Los Angeles, Calif. Men's and boys' overcoats, topcoats, suits, etc. 441,194, Nov. 2; Serial No. 479,923, published Feb. 10, 1948. Class 39.
Desmond's, Inc.: *See*—
Desmond's.

Detourbe, Maurice L., to Societe Veuve M. Detourbe & Cie., Paris, France. Ready-mixed paints, varnishes, dry colors, etc. 176,068, renewed Nov. 13, 1943. O. G. Nov. 2. Class 16.

Detourbe, Maurice L., to Societe Veuve M. Detourbe & Cie., Paris, France. Ready mixed paints, varnishes, dry colors, etc. 176,075, renewed Nov. 13, 1943. O. G. Nov. 2. Class 16.

De Tuvaché, M., by Tuvaché, Inc., New York, N. Y. Cologne, toilet water, talcum powder, etc. 415,355, Aug. 7, 1945. Republished Nov. 2. Class 6.

De Tuvaché, M., by Tuvaché, Inc., New York, N. Y. Toilet soap and shaving cream. 415,373, Aug. 7, 1945. Republished Nov. 2. Class 4.

De Tuvaché, M., assignor to Tuvaché Co., by Tuvaché, Inc., New York, N. Y. Cologne, hair lotion, and toilet water. 426,895, Jan. 21, 1947. Republished Nov. 2. Class 6.

Diamond & Baum, Inc., New York, N. Y. Ladies' and misses' suits. 441,209, Nov. 2; Serial No. 514,527, published July 27, 1948. Class 39.

Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Pa., by Continental-Diamond Fibre Company, Newark, Del. Laminated phenolic condensation product. 175,089, Oct. 30, 1923. Republished Nov. 2. Class 1.

Dickey Eye Water Co.: *See*—
Moulthrop, Robert.

Ditto, Incorporated, Chicago, Ill. Paper for stationery use. 340,213, Nov. 3, 1936. Republished Nov. 2. Class 37.

Ditto, Incorporated, Chicago, Ill. Paper for writing, typewriting, duplicating, etc. 340,214, Nov. 3, 1936. Republished Nov. 2. Class 37.

Ditto, Incorporated, Chicago, Ill. Paper for writing, typewriting, duplicating, etc. 344,426, Mar. 23, 1937. Republished Nov. 2. Class 37.

Ditto, Incorporated, Chicago, Ill. Book series published from time to time. 346,540, June 1, 1937. Republished Nov. 2. Class 38.

Ditto, Incorporated, Chicago, Ill. Liquid soap and typewriter type and platen cleaner. 346,555, June 1, 1937. Republished Nov. 2. Class 4.

Ditto, Incorporated, Chicago, Ill. Chemical cleansing cream preparation. 346,757, June 8, 1937. Republished Nov. 2. Class 6.

Ditto, Incorporated, Chicago, Ill. Paper coated with a transfer medium on one side. 334,844, Feb. 4, 1941. Republished Nov. 2. Class 11.

Ditto, Incorporated, Chicago, Ill. Flat bed, gelatine type duplicating machines. 398,785, Nov. 24, 1942. Republished Nov. 2. Class 23.

Doehler Metal Furniture Co., Inc., New York, N. Y. Metallic furniture, etc. 441,203, Nov. 2; Serial No. 511,203, published Aug. 3, 1948. Class 32.

Durr, James J.: *See*—
Moulthrop, Robert.

Dutton-Lainson Company, Hastings, Nebr. Hand-operated pump oilers. 503,578, Nov. 2; Serial No. 506,434, published Aug. 3, 1948. Class 23.

Eau de Cologne & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd Mülhens: *See*—
Mulhens, Paul P.

Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead and colored pencils, penholders, rubber bands, etc. 353,132, Dec. 28, 1937. Republished Nov. 2. Class 37.

Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils, colored pencils, copying pencils, crayons, etc. 416,942, Oct. 9, 1945. Republished Nov. 2. Classes 11 and 37.

Economy Forms Corporation, Des Moines, Iowa. Metal forms. 370,216, Aug. 22, 1939. Republished Nov. 2. Class 12.

Economy Forms Corporation, Des Moines, Iowa. Spreader tie pullers, pin tools, plate clamp tools, etc. 370,498, Aug. 29, 1939. Republished Nov. 2. Class 23.

Edwards & Loomis Co., by Hales & Hunter Co., Chicago, Ill. Poultry feed. 102,330, Feb. 9, 1915. Republished Nov. 2. Class 46.

Edwards & Loomis Co., by Hales & Hunter Co., Chicago, Ill. Mixed-grain feeds, poultry mash feeds. 105,721, Aug. 17, 1915. Republished Nov. 2. Class 46.

Electro Alloys Company, The, Elyria, Ohio, assignor to American Brake Shoe Company, by American Brake Shoe Company, New York, N. Y. Nickel alloy heat and corrosion resistant castings. 412,360, Mar. 6, 1945. Republished Nov. 2. Class 14.

Elliott Company, Jeannette, Pa. Steam and gas turbines, compressors, etc. 503,600, Nov. 2; Serial No. 528,198, published Aug. 3, 1948. Class 23.

Elliott Knitting Mills, Inc., Hickory, N. C. Hosiery. 245,847, Aug. 21, 1928. Republished Nov. 2. Class 39.

Ellis-Foster Company, Montclair, N. J., to American Cyanamid Company, New York, N. Y. Synthetic resins. 247,727, renewed Oct. 2, 1948. O. G. Nov. 2. Class 16.

Elverson Distilling Company, Inc., The, Philadelphia, Pa. Potable, distilled, spiritous beverages. 503,665, Nov. 2; Serial No. 537,577, published Aug. 3, 1948. Class 49.

Elzac, Inc.: *See*—
Na-Mac Products Corp.

Emerson Electric Manufacturing Company, The, St. Louis, Mo. Electric fans, fan motors, and fan frames. 111,633, July 25, 1916. Republished Nov. 2. Class 21.

Enterprise Stores, Inc., Quincy, Mass. Hosiery. 503,617, Nov. 2; Serial No. 531,200, published Aug. 3, 1948. Class 39.

Erwin Cotton Mills Company, Durham, N. C. Denims in the piece. 280,538, Feb. 17, 1931. Republished Nov. 2. Class 42.

Esslinger's, Inc., Philadelphia, Pa. Beer and ale. 503,638, Nov. 2; Serial No. 533,152, published July 20, 1948. Class 48.

Etablissements Chané & Dumail, to Societe Anonyme Gillet-Thaon, Paris, France. Textile fabrics. 193,530, renewed Dec. 30, 1944. O. G. Nov. 2. Class 42.

Eweson, Karl F., doing business as The Halldon Co., New York, N. Y. Eyecups. 414,159, May 29, 1945. Republished Nov. 2. Class 44.

Fabreeka Products Company, Boston, Mass. Belting. 381,144, Sept. 10, 1940. Republished Nov. 2. Class 35.

Falls City Brewing Co., Inc., Louisville, Ky. Beer. 503,629, Nov. 2; Serial No. 531,781, published Aug. 3, 1948. Class 48.

Famous Virginia Foods, Inc., Lynchburg, Va. Pickles, jams, jellies, mincemeat, etc. 441,232, Nov. 2; Serial No. 525,812, published Aug. 3, 1948. Class 46.

Farm Journal, Inc., Philadelphia, Pa. Section appearing regularly in periodical publication. 503,657, Nov. 2; Serial No. 535,511, published Aug. 3, 1948. Class 38.

Farquhar, A. B., Company: *See*—
Farquhar, A. B., Company, Limited.

Farquhar, A. B., Company, Limited, assignor to A. B. Farquhar Company, York, Pa. Plows, plowstocks, hay pressers, etc. 441,192, Nov. 2; Serial No. 464,414, published July 27, 1948. Class 23.

Fawcett Publications, Inc., Greenwich, Conn. Quarterly publication. 503,676, Nov. 2; Serial No. 540,398, published Aug. 3, 1948. Class 38.

Fidelity Machine Company, Wilmington, Del., and Philadelphia, by Fidelity Machine Company, Inc., Philadelphia, Pa. Footer, knitting and ribbing machines, and parts thereof. 206,304, Nov. 24, 1925. Republished Nov. 2. Class 23.

Fidelity Machine Company, by Fidelity Machine Company, Inc., Philadelphia, Pa. Sound and moisture absorbing and cold retaining fabric coverings. 412,255, Feb. 27, 1945. Republished Nov. 2. Class 50.

Fidelity Machine Company, Inc.: *See*—
Fidelity Machine Company.

Fisher Brothers Company, The, Cleveland, Ohio. Bread. 236,758, Dec. 20, 1927. Republished Nov. 2. Class 46.

Fisher Brothers Company, The, Cleveland, Ohio. Laundry starch. 236,839, Dec. 27, 1927. Republished Nov. 2. Class 6.

Fisher Brothers Company, The, Cleveland, Ohio. Coffee. 237,133, Jan. 3, 1928. Republished Nov. 2. Class 46.

Fixol & Stickphast, Ltd.: *See*—
Leadenhall Press, Limited, The.

Fleischmann Company, The, Cincinnati, Ohio, and New York, to Standard Brands Incorporated, New York, N. Y. Vegetable product. 251,501, renewed Jan. 8, 1949. O. G. Nov. 2. Class 46.

Florence Pipe Foundry & Machine Company: *See*—
Wood, Walter.

Florence Pipe Foundry & Machine Co., Florence, N. J. Cast iron pipes and pipe joint fittings. 384,220, Jan. 7, 1941. Republished Nov. 2. Class 13.

Florlorange Canneries, Inc., by Frank Burkart, doing business as Burkart Products, Mount Dora, Fla. Canned citrus fruits and canned citrus fruit juices. 299,716, Dec. 20, 1932. Republished Nov. 2. Class 46.

Fontenelle Springs, Inc., Omaha, Nebr. Maltless soft drink. 503,661, Nov. 2; Serial No. 535,946, published Aug. 3, 1948. Class 45.

Franklinville Canning Co., The, Franklinville, N. Y., by The Houghland Packing Co., Inc., Franklin, Ind. Canned fruits and vegetables. 69,626, June 23, 1908. Republished Nov. 2. Class 46.

Freeman Manufacturing Co. Inc., New York, N. Y. Men's and women's slacks, pants, and jackets. 441,213, Nov. 2; Serial No. 518,076, published July 27, 1948. Class 39.

Freeman, Zeb, Louisville, Ky. Pamphlets. 503,622, Nov. 2; Serial No. 531,459, published Aug. 3, 1948. Class 38.

Freezer, J., & Son, Inc., New York, N. Y. Men's dress, negligee, and work shirts. 384,770, Feb. 4, 1941. Republished Nov. 2. Class 39.

Freezer, J., & Son, Inc., New York, N. Y. Men's and boys' pajamas. 412,569, Mar. 13, 1945. Republished Nov. 2. Class 39.

French-Stamats Company, by Stamats Publishing Company, Cedar Rapids, Iowa. Periodical. 376,511, Mar. 26, 1940. Republished Nov. 2. Class 38.

Gallenkamp Stores Co., Los Angeles, Calif. Hosiery. 503,616, Nov. 2; Serial No. 531,105, published July 27, 1948. Class 39.

General Atlas Carbon Company: *See*—
Grasselli Chemical Company, The.

General-Finance Corporation: *See*—
Climax Engineering Company.

General Machine Company, Milwaukee, Wis. Golf clubs. 432,884–5, Sept. 16, 1947. Republished Nov. 2. Class 22.

General Phonograph Corporation, New York, N. Y., assignor to Okeh Phonograph Corporation, to Columbia Records Inc., Bridgeport, Conn. Talking-machine and phonograph records. 243,826, renewed July 3, 1948. O. G. Nov. 2. Class 36.

Geometric Tool Company, The, New Haven, Conn. Taps, dies, die-heads, etc. 109,724, Apr. 18, 1916. Republished Nov. 2. Class 23.

Georgie Porgie Company, by R. F. Willey, doing business under the name Georgie Porgie Company, Council Bluffs, Iowa. Cereal breakfast food. 256,740, May 21, 1929. Republished Nov. 2. Class 46.

Gerrard, S. A., Co., The: *See*—
Gerrard, Stephen A.

Gerrard, S. A., Co., The, Cincinnati, Ohio. Fresh deciduous fruits, vegetables, grapes, and melons. 356,713, May 10, 1938. Republished Nov. 2. Class 46.

Gerrard, Stephen A., by The S. A. Gerrard Co., Cincinnati, Ohio. Cantaloup. 113,721, Oct. 31, 1916. Republished Nov. 2. Class 46.

Gilbert & Bennett Mfg. Co., The, Georgetown, Conn. Screen wire cloth. 410,911, Dec. 26, 1944. Republished Nov. 2. Class 13.

Gillette Safety Razor Company: *See*—
Gillette Safety Razor Co.

Gillette Safety Razor Co., to Gillette Safety Razor Company, Boston, Mass. Shaving brushes. 70,428, renewed Sept. 1, 1948. O. G. Nov. 2. Class 29.

Gilman, Osmon B.: *See*—
Gilman, Sarah D.

Gilman, Sarah D., by O. B. Gilman, doing business as Bailey's, Boston, Mass. Chocolates and all kinds of candies. 74,451, July 13, 1909. Republished Nov. 2. Class 46.

Gladness Bakeries, Incorporated: *See*—
Happiness Bakeries, Inc.

Globe Ear-Phone Company, Boston, by Globe Phone Manufacturing Corporation, Reading, Mass. Auricular selfmographs. 131,311, May 11, 1920. Republished Nov. 2. Class 26.

Globe Phone Manufacturing Corporation: *See*—
Globe Ear-Phone Company.

Globe Tool & Gage Works, Boston, Mass. Pedal operated machines. 503,593, Nov. 2; Serial No. 527,322, published July 20, 1948. Class 23.

Golden Nugget Sweets Ltd., San Francisco, Calif. Candy. 503,592, Nov. 2; Serial No. 527,037, published Aug. 3, 1948. Class 46.

Goodall Rubber Company, Trenton, N. J. Conducting hose. 244,241, July 17, 1928. Republished Nov. 2. Class 35.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 251,857, renewed Jan. 15, 1949. O. G. Nov. 2. Class 35.

Gotham Hosiery Company, Inc.: *See*—
Gotham Silk Hosiery Co. Inc.

Gotham Silk Hosiery Co. Inc., to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 251,119, renewed Dec. 25, 1948. O. G. Nov. 2. Class 39.

Gould, Barbara, Inc.: *See*—
Gould, Barbara, Ltd.

Gould, Barbara, Ltd., Rochester and New York, to Barbara Gould, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 251,556, renewed Jan. 8, 1949. O. G. Nov. 2. Class 6.

Grasselli Chemical Company, The, Cleveland, Ohio, to General Atlas Carbon Company, Boston, Mass. Carbon black. 244,116, renewed July 10, 1948. O. G. Nov. 2. Classes 1 and 16.

Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Liquid treatment tanks and equipment of the sludge blanket type. 503,686, Nov. 2; Serial No. 542,900, published Aug. 3, 1948. Class 23.

Gray Line Association, The: *See*—
Association of Gray Line Owners, The.

Great American Tea Company, The, New York, N. Y. Green tea, pekoe and orange pekoe black tea, whole mixed spices, etc. 503,601, Nov. 2; Serial No. 528,346, published Aug. 3, 1948. Class 46.

Great Lakes Varnish Works, Inc., Chicago, Ill. Varnishes, paint enamels, stains, etc. 204,034, Oct. 6, 1925. Republished Nov. 2. Class 16.

Great Lakes Varnish Works, Inc., Chicago, Ill. Varnishes, paint enamels, stains, etc. 207,014, Dec. 15, 1925. Republished Nov. 2. Class 16.

Great Lakes Varnish Works, Inc., Chicago, Ill. Varnishes. 357,546, June 7, 1938. Republished Nov. 2. Class 16.

Great Lakes Varnish Works, Inc., Chicago, Ill. Paint enamels. 358,529, July 19, 1938. Republished Nov. 2. Class 16.

Green, Garth E., doing business as Throat-Eze Laboratories, Atlanta, Ga. Medicinal preparation for the treatment of minor skin and throat irritations. 503,708, Nov. 2; Serial No. 547,113. Class 6.

Gwaltney, P. D., Jr., & Co., Inc., Smithfield, Va. Fresh sausage made from pork. 503,579, Nov. 2; Serial No. 507,722, published Aug. 3, 1948. Class 46.

H. S. Petticoat Company, Incorporated, Boston, Mass. Women's undergarments. 503,678, Nov. 2; Serial No. 540,707, published July 27, 1948. Class 39.

Haggard & Marcusson Company, Chicago, Ill. Beds, bed springs, bed slats, etc. 503,507–8, Nov. 2; Serial Nos. 527,710–11, published Aug. 3, 1948. Class 32.

Hales & Edwards Company, by Hales & Hunter Co., Chicago, Ill. Mixed-grain feeds. 132,402, June 22, 1920. Republished Nov. 2. Class 46.

Hales & Hunter Co.: *See*—
Edwards & Loomis Co.
Hales & Edwards Company.

Hales & Hunter Co., Chicago, Ill. Poultry feed. 352,683, Dec. 7, 1937. Republished Nov. 2. Class 46.

Halldon Co., The: *See*—
Eweson, Karl F.

Hallen Company, Inc., The, Long Island City, N. Y. Industrial welding, erection, and maintenance of steel structures, and laying and maintenance of pipe lines. 503,698, Nov. 2; Serial No. 531,207, published July 27, 1948. Class 55.

Happiness Bakeries, Inc., St. Paul, to Gladness Bakeries, Incorporated, Minneapolis, Minn. Cakes, rolls, bread, etc. 247,080, renewed Sept. 18, 1948. O. G. Nov. 2. Class 46.

Harle Publications, Inc., New York, N. Y., and Springfield, Mass. Bi-monthly crossword publication. 503,703, Nov. 2; Serial No. 512,331. Class 38.

Harris, P. E., & Co., Seattle, Wash. Canned salmon. 117,139, June 19, 1917. Republished Nov. 2. Class 46.

Hathaway, C. F., Co., Waterville, Maine. Women's blouses and shirts. 503,643, Nov. 2; Serial No. 533,887, published July 20, 1948. Class 39.

Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Honolulu, Territory of Hawaii. Canned pineapple. 151,797, Feb. 14, 1922. Republished Nov. 2. Class 46.

Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned pineapple. 151,800, Feb. 14, 1922. Republished Nov. 2. Class 46.

Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned fruits. 224,558, Mar. 1, 1927. Republished Nov. 2. Class 46.

Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned pineapple juice. 304,455, July 11, 1933. Republished Nov. 2. Class 46.

Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Honolulu, Territory of Hawaii. Canned pineapple. 307,579, Oct. 31, 1933. Republished Nov. 2. Class 46.

Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned pineapple and canned pineapple juice. 368,096, June 6, 1939. Republished Nov. 2. Class 46.

Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned fruit juices. 387,468, May 20, 1941. Republished Nov. 2. Class 46.

Hawkins, Nora: *See*—
Hawkins, Orville L.

Hawkins, Orville L., to N. Hawkins, Indianapolis, Ind. Pop-corn confections. 248,935, renewed Nov. 6, 1948. O. G. Nov. 2. Class 46.

Hecht Bros.: *See*—
Hecht Co., The.

Hecht Co., The, Washington, D. C., also doing business as Hecht Bros., Baltimore, Md., and New York, N. Y., and The Hub, Baltimore, Md. Boys' jackets and knickers, over-alls, snow suits, etc. 441,230, Nov. 2; Serial No. 524,654, published July 20, 1948. Class 39.

Henredon Furniture Industries, Inc., Morganton, N. C. Bedroom furniture, dining room furniture, tables, etc. 503,630, Nov. 2; Serial No. 531,799, published Aug. 3, 1948. Class 32.

Hester, George C., Los Angeles and Hollywood, Calif. Perfumes. 503,701, Nov. 2; Serial No. 509,843. Class 6.

Hewes & Potter, Inc., Boston, Mass. Belts for outerwear. 242,849, June 5, 1928. Republished Nov. 2. Class 39.

Hilsenbeck, L., Inc., to Julius Schmid, Inc., New York, N. Y. Prophylactic rubber articles. 252,783, renewed Feb. 12, 1949. O. G. Nov. 2. Class 44.

Hobbs-Parsons Co., Fresno, Calif. Fresh apples, fresh bananas, dried beans, etc. 244,072, renewed July 10, 1948. O. G. Nov. 2. Class 46.

Hochmann, Joseph, Miami, Fla. Magazine. 441,234, Nov. 2; Serial No. 519,523. Class 38.

Hodgman Rubber Company, Framingham, Mass. Fishermen's rain shirts. 503,610, Nov. 2; Serial No. 530,403, published July 20, 1948. Class 39.

Hoffenberg & Co., Inc., New York, N. Y. Boys' and young men's slacks, coats, suits, etc. 503,642, Nov. 2; Serial No. 533,742, published Aug. 3, 1948. Class 39.

Hoover Hosiery Company, Concord, N. C. Men's and women's hosiery. 357,028, May 24, 1938. Republished Nov. 2. Class 39.

Houghland Packing Co., Inc., The: *See*—
Franklinville Canning Co., The.

Hub, The: *See*—
Hecht Co., The.

Huffman Manufacturing Company, The, Dayton, Ohio. Bicycles and structural parts thereof. 440,223, Aug. 17, 1948. Corrected. O. G. Nov. 2. Class 19.

Huffman Manufacturing Company, The, Dayton, Ohio. Bicycles and structural parts thereof. 440,225, Aug. 17, 1948. Corrected. O. G. Nov. 2. Class 19.

Hugh Nelson Columbia Carpet Mills, by Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa. Rugs and carpets. 188,999, Sept. 9, 1924. Republished Nov. 2. Class 42.

Hugh Nelson-Columbia Carpet Mills, Inc.: *See*—
Hugh Nelson Columbia Carpet Mills.

Humko Co., The, Memphis, Tenn. Shortening made from vegetable oils. 503,607–8, Nov. 2; Serial Nos. 529,646–7, published Aug. 3, 1948. Class 46.

Industrial Undergarment Corporation, Poughkeepsie, by Stardust, Incorporated, New York, N. Y. Slips. 345,102, Apr. 13, 1937. Republished Nov. 2. Class 39.

Infanette, Inc., New York, N. Y. Children's dresses. 503,606, Nov. 2; Serial No. 537,593, published July 27, 1948. Class 39.

Infanta Knitting Mills, Philadelphia, Pa. Infants' knitted legging sets, sweaters and jackets, etc. 441,196, Nov. 2; Serial No. 495,479, published July 27, 1948. Class 39.

International Association, High Twelve Clubs, St. Louis, Mo. Monthly magazine. 441,233, Nov. 2; Serial No. 526,237, published July 27, 1948. Class 38.

International Furniture Company, Chicago, Ill. Upholstered furniture. 503,634, Nov. 2; Serial No. 532,292, published Aug. 3, 1948. Class 32.

International Harvester Company, Chicago, Ill. Twine. 252,779, renewed Feb. 12, 1949. O. G. Nov. 2. Class 7.

International Nickel Co., The, Constable Hook, N. J., by The International Nickel Company, Inc., New York, N. Y. Nickel and alloys containing nickel. 128,408, Jan. 6, 1920. Republished Nov. 2. Class 14.

International Nickel Company, Inc., The: *See*—
International Nickel Co., The.

Invicta-Seeland, Inc., New York, N. Y. Watches, watch cases, watch parts, etc. 374,586, Jan. 16, 1940. Republished Nov. 2. Classes 27 and 28.

Irvine Valencia Growers, Irvine, Calif. Fresh citrus fruits. 251,277, renewed Jan. 1, 1949. O. G. Nov. 2. Class 46.

Irvine Valencia Growers, Irvine, Calif. Fresh citrus fruits. 252,221, renewed Jan. 29, 1949. O. G. Nov. 2. Class 46.

Irvington Varnish & Insulator Co., Irvington, N. J., by Continental-Diamond Fibre Company, Newark, Del. Electrical insulation. 122,801, Sept. 17, 1918. Republished Nov. 2. Class 21.

Italian Food Products Company, Inc., by West Coast Packing Corporation, Long Beach, Calif. Canned tuna. 267,843, Mar. 4, 1930. Republished Nov. 2. Class 46.

Italian Food Products Company, Inc., by West Coast Packing Corporation, Long Beach, Calif. Canned fish. 302,108, Mar. 28, 1933. Republished Nov. 2. Class 46.

"J. C." Company, Inc., The, Topeka, Kans. Nonalcoholic maltless beverages. 384,378, Jan. 14, 1941. Republished Nov. 2. Class 45.

Jackson Brewing Company, New Orleans, La. Ginger ale. 205,123, Nov. 3, 1925. Republished Nov. 2. Class 45.

Jackson Brewing Company, New Orleans, La. Malt tonic. 206,402, Dec. 1, 1925. Republished Nov. 2. Class 6.

Judice Fialho & Co.: *See*—
Strohmeyer & Arpe Company.

Kafka, A., & Company, Inc., New Haven, Conn. Cigars. 331,968, Jan. 28, 1936. Republished Nov. 2. Class 17.

Kalamazoo Pant Company, Kalamazoo, Mich. Dress, negligee, work and sport shirts, pajamas, polo shirts, etc. 503,583, Nov. 2; Serial No. 519,196, published July 27, 1948. Class 39.

Katz, Morris I., doing business as Country Club Beverage Company, by Country Club Soda Company, Inc., Springfield, Mass. Carbonated beverages. 199,045, June 2, 1925. Republished Nov. 2. Class 45.

Kenwood Modes, Inc., New York, N. Y. Ladies', misses', and children's dresses, coats, dress ensembles. 376,952, Apr. 9, 1940. Republished Nov. 2. Class 39.

Kerr Dental Manufacturing Company, now by change of name Kerr Manufacturing Company, by Kerr Manufacturing Company, Detroit, Mich. Investment compounds of a ceramic nature. 432,817, Sept. 16, 1947. Republished Nov. 2. Class 44.

Kerr Manufacturing Company: *See*—
Kerr Dental Manufacturing Company.

Kessler, William B., Inc., Hammonton, N. J. Men's clothing. 503,632, Nov. 2; Serial No. 532,030, published Aug. 3, 1948. Class 39.

Kimble Electric Company, by Miehle Printing Press and Manufacturing Company, Chicago, Ill. Electric motors. 181,737, Mar. 25, 1924. Republished Nov. 2. Class 21.

Kinney, G. R., Co., Inc., New York, N. Y. Tennis shoes. 319,560, Nov. 27, 1934. Republished Nov. 2. Class 39.

Klein, Milton L., doing business as A C Electric Company, Washington, D. C. Engineering and contracting services for household, commercial, and industrial electrical installations, etc. 503,697, Nov. 2; Serial No. 530,516, published July 27, 1948. Class 55.

Koehler, Karl, Brooklyn, N. Y. Printed greeting and display cards. 503,677, Nov. 2; Serial No. 540,681, published July 27, 1948. Class 38.

Kole, Lessing L., doing business as Kolmar Laboratories, Milwaukee, Wis., by Dare Cosmetics, Inc., Cincinnati, Ohio. Rouge, lipsticks, loose powder, etc. 343,480, Feb. 23, 1937. Republished Nov. 2. Class 6.

Kolmar Laboratories: *See*—
Kole, Lessing L.

Kranzberg, Max H., doing business as Radionic Equipment Company, New York, N. Y. Radio receiving sets and radio vacuum tubes. 428,527, Mar. 25, 1947. Republished Nov. 2. Class 21.

Kuster Laboratories, Ltd., also doing business as Kuster Products Company, San Francisco, Calif. Soya sauce, food sauce, etc. 441,211, Nov. 2; Serial No. 515,433, published Aug. 3, 1948. Class 46.

Kuster Products Company: *See*—
Kuster Laboratories, Ltd.

Lactona Incorporated, St. Paul, Minn. Three-piece brush and comb set. 501,238, July 27, 1948. Corrected. O. G. Nov. 2. Class 29.

Laminet Cover Company, Chicago, Ill. Garment storage bags, glove, slip, sweater shirt, and purse bags. 441,207, Nov. 2; Serial No. 513,518, published Aug. 3, 1948. Class 2.

Leadenhall Press, Limited, The, to Fixol & Stickphast, Ltd., London, England. Adhesive pastes and mucilages. 136,511, renewed Nov. 2, 1940. O. G. Nov. 2. Class 5.

Leather Lustre: *See*—
Riley, Frank H.

Lehn & Fink Products Corporation: *See*—
Lesquendieu, Joseph.

Leithold, Emily, doing business as Custom Maid Brassiere Co., Philadelphia, Pa. Brassières. 503,663, Nov. 2; Serial No. 536,590, published July 20, 1948. Class 39.

Lektro Products, Inc.: *See*—
Lektron Corporation, The.

Lektron Corporation, The, New York, N. Y., assignor to Lektro Products, Inc., Milford, Conn. Electric shaver and blades therefor. 441,201, Nov. 2; Serial No. 507,682, published Apr. 15, 1947. Class 23.

Lelong, Lucien, Inc., Chicago, Ill. Soap. 500,521, June 1, 1948. Corrected. O. G. Nov. 2. Class 4.

Le Roi Hosiery Co. Inc., New York, N. Y. Children's hosiery. 503,654, Nov. 2; Serial No. 535,165, published Aug. 3, 1948. Class 39.

Le Roi Hosiery Co. Inc., New York, N. Y. Hosiery. 503,658, Nov. 2; Serial No. 535,573, published Aug. 3, 1948. Class 39.

Lesquendieu, Incorporated, assignee: *See*—
Lesquendieu, Joseph.

Lesquendieu, Joseph, assignor to Lesquendieu, Incorporated, Paris, France, to Lehn & Fink Products Corporation, Bloomfield, N. J. Cream rouge. 250,085, renewed Nov. 27, 1948. O. G. Nov. 2. Class 6.

Le Tourneau, R. G., Inc., Peoria, Ill. Unitary self-propelled implement. 441,217, Nov. 2; Serial No. 519,764, published July 27, 1948. Class 23.

Lewis-Shepard Products, Inc., Watertown, Mass. Periodical publications. 503,687, Nov. 2; Serial No. 543,725, published July 27, 1948. Class 38.

Lite Manufacturing Co., Inc., New York, N. Y. Girdles. 503,682, Nov. 2; Serial No. 540,835, published July 20, 1948. Class 39.

Little Farms: *See*—
Ramage, Cy.

Loewer's Brewery Company, New York, N. Y. Malt beverages. 503,662, Nov. 2; Serial No. 536,106, published Aug. 3, 1948. Class 48.

Loew's Incorporated: *See*—
Metro-Goldwyn Pictures Corporation.

Lorillard, P., Company, New York, N. Y. Cigarettes. 238,664, Feb. 14, 1928. Republished Nov. 2. Class 17.

Lorillard, P., Company, New York, N. Y. Cigarettes and smoking tobacco. 370,325, Aug. 22, 1939. Republished Nov. 2. Class 17.

Lorillard, P., Company, New York, N. Y. Cigarettes and smoking tobacco. 370,968, Sept. 12, 1939. Republished Nov. 2. Class 17.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 101,787, Jan. 12, 1915. Republished Nov. 2. Class 4.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 266,964, Feb. 11, 1930. Republished Nov. 2. Class 4.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 35,741, Jan. 8, 1901. Republished Nov. 2. Class 4.

Maas & Waldstein Co., Newark, N. J. Plastic substances. 430,901, July 1, 1947. Republished Nov. 2. Class 6.

Magazine Publishers, Inc., by Ace Periodicals, Inc., New York, N. Y. Magazine published monthly and at other intervals. 305,110, Aug. 1, 1933. Republished Nov. 2. Class 38.

Magazine Publishers, Inc., by Periodical House, Inc., New York, N. Y. Magazine published monthly. 321,220, Jan. 22, 1935. Republished Nov. 2. Class 38.

Magazine Publishers, Inc., by Periodical House, Inc., New York, N. Y. Magazine published monthly. 333,379, Mar. 17, 1936. Republished Nov. 2. Class 38.

Malco Company, Incorporated, The, Minneapolis, Minn. Periodic publication. 503,707, Nov. 2; Serial No. 532,947. Class 38.

Man-Ca, Inc., New York, N. Y. Packaged sandwiches. 441,221, Nov. 2; Serial No. 521,081, published Aug. 3, 1948. Class 46.

Marcalus Manufacturing Co., Inc., Elizabeth, N. J. Tissues, napkins, head rest rolls, etc. 372,674, Nov. 7, 1939. Republished Nov. 2. Class 37.

Marine Optical Mfg. Co., by Marine Optical Mfg. Co., Boston, Mass. Ophthalmic lenses, sun glasses, and lens blanks. 359,054, Aug. 2, 1938. Republished Nov. 2. Class 26.

Marine Optical Mfg. Co., by Marine Optical Mfg. Co., Boston, Mass. Optical frames. 385,872, Mar. 18, 1941. Republished Nov. 2. Class 26.

Marine Optical Mfg. Co., Roslindale, Boston, Mass. Optical frames. 430,022, June 3, 1947. Republished Nov. 2. Class 26.

Marmode Hosiery Mill, Inc., Dover, Del. Women's hosiery. 441,214, Nov. 2; Serial No. 519,282, published July 27, 1948. Class 39.

Marshall, Don, & Co., New York, N. Y. Hats for women. 503,639, Nov. 2; Serial No. 533,185, published July 27, 1948. Class 39.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Nose and throat sprays. 245,930, renewed Aug. 28, 1948. O. G. Nov. 2. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Nose and throat sprays. 245,932, renewed Aug. 28, 1948. O. G. Nov. 2. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Magnesium hydroxide. 245,979, renewed Aug. 28, 1948. O. G. Nov. 2. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Alternative general tonics and laxatives. 245,981, renewed Aug. 28, 1948. O. G. Nov. 2. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Ointment. 245,982, renewed Aug. 28, 1948. O. G. Nov. 2. Class 6.

McLoughlin Bros., Inc., Springfield, Mass. Paper toy. 370,333, Aug. 22, 1939. Republished Nov. 2. Class 22.

McLoughlin Bros., Inc., Springfield, Mass. Series of books published from time to time. 374,413, Jan. 9, 1940. Republished Nov. 2. Class 38.

McLoughlin Bros., Inc., Springfield, Mass. Musical toy book. 380,161, Aug. 13, 1940. Republished Nov. 2. Class 22.

McLoughlin Bros., Inc., Springfield, Mass. Printed books. 382,541, Oct. 29, 1940. Republished Nov. 2. Class 38.

McLoughlin Bros., Inc., Springfield, Mass. Cut-out books published from time to time. 393,430, Feb. 17, 1942. Republished Nov. 2. Class 38.

McLoughlin Bros., Inc., Springfield, Mass. Series of books published from time to time. 399,855, Feb. 2, 1943. Republished Nov. 2. Class 38.

Meili-Blumberg Corporation, New Holstein, Wis. Internal combustion engine driven earth scrapers, electric motor and/or internal combustion engine driven endless belt type conveyors, etc. 503,582, Nov. 2; Serial No. 517,917, published July 20, 1948. Class 23.

Merrill, Charles E., Co., Inc., Columbus, Ohio. Series of textbooks. 503,668–9, Nov. 2; Serial Nos. 538,022–3, published July 27, 1948. Class 38.

Metro-Goldwyn Pictures Corporation, by Loew's Incorporated, New York, N. Y. Motion picture films. 231,203, Aug. 16, 1927. Republished Nov. 2. Class 26.

Metropolitan Paving Brick Company, The, Canton, Ohio. Building and paving bricks and blocks. 203,670, Sept. 22, 1925. Republished Nov. 2. Class 12.

Middlesex Wholesale Grocery Co., New Brunswick, by Middlesex Wholesale Grocery Co., Highland Park, N. J. Canned vegetables. 347,123, June 15, 1937. Republished Nov. 2. Class 46.

Miehle Printing Press and Manufacturing Company: *See*—
Kimble Electric Company.
Miehle Printing Press & Manufacturing Company.
Zeese-Wilkinson Co. Inc.

Miehle Printing Press & Manufacturing Company, by Miehle Printing Press and Manufacturing Company, Chicago, Ill. Printing presses. 158,263, Aug. 29, 1922. Republished Nov. 2. Class 23.

Milgrim, I., Co., Philadelphia, Pa. Women's nightgowns, pajamas, housecoats, and bed jackets. 503,667, Nov. 2; Serial No. 537,809, published July 27, 1948. Class 39.

Miller, Arthur B., Seattle, Wash., to C. G. Conn, Ltd., Elkhart, Ind. Piano accordions, chromatic accordions, "German-Style" accordions, etc. 252,566, renewed Feb. 12, 1949. O. G. Nov. 2. Class 36.

Millett, J. C., by J. C. Millett Co., San Francisco, Calif. Whiskey. 342,372, Jan. 12, 1937. Republished Nov. 2. Class 49.

Milwaukee Glove Company, Milwaukee, Wis. Cloth and combination leather and cloth gloves and mittens. 236,924, Dec. 27, 1927. Republished Nov. 2. Class 39.

Minami, H. Y., and Sons: *See*—
Minami, H. Y., & Sons.

Minami, H. Y., & Sons, Guadalupe and San Luis Obispo, by H. Y. Minami and Sons, Guadalupe, Calif. Fresh vegetables. 374,790, Jan. 23, 1940. Republished Nov. 2. Class 46.

Miner-Hillard Milling Company, Wilkes-Barre, Pa. Cake flour. 199,417, June 9, 1925. Republished Nov. 2. Class 46.

Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Agricultural machinery. 503,602, Nov. 2; Serial No. 528,358, published Aug. 3, 1948. Class 23.

Mr. Newport, Inc., Chicago, Ill. Non-alcoholic maltless beverages. 380,441, Aug. 20, 1940. Republished Nov. 2. Class 45.

Modern Handcraft, Inc., Kansas City, Mo. Magazine published monthly. 503,694, Nov. 2; Serial No. 549,826, published July 27, 1948. Class 38.

Modern Laundry Machine Manufacturing Company, Kansas City, Mo., by Birtman Electric Company, Chicago, Ill. Clothes or laundry washing machines. 211,824, Apr. 20, 1926. Republished Nov. 2. Class 24.

Morton Manufacturing Corporation, Lynchburg, Va. Astringent deodorant powder. 290,034, Dec. 22, 1931. Republished Nov. 2. Class 6.

Motloid Co., Inc., The, Chicago, Ill. Acrylic denture base material. 503,705, Nov. 2; Serial No. 516,712. Class 44.

Moulthrop, Robert, Eufaula, Ala., to J. J. Durr, doing business as Dickey Eye Water Co., Montgomery, Ala. Eye-water. 71,030, re-renewed Oct. 27, 1948. O. G. Nov. 2. Class 6.

Mülhens, Paul P., doing business as Eau de Cologne & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd Mülhens, Cologne on the Rhine, Germany; Vested in the Attorney General of the United States, Washington, D. C., and renewed to him. Eau de cologne water, perfumery, hair tonics, etc. 247,416, renewed Sept. 25, 1948. O. G. Nov. 2. Class 6.

Mutual Buying Syndicate, Inc., New York, N. Y. Women's, misses', and children's cloth coats, suits, raincoats, gloves, etc. 503,635, Nov. 2; Serial No. 532,328, published July 27, 1948. Class 39.

Mutual Orange Distributors, Redlands, Calif. Fresh citrus fruits. 503,623, Nov. 2; Serial No. 531,502; published Aug. 3, 1948. Class 46.

Muzzy, Inc., New York, N. Y. Brassières. 441,218, Nov. 2; Serial No. 520,823, published July 20, 1948. Class 39.

Na-Mac Products Corp., Hollywood, assignor to Elzac, Inc., Los Angeles, Calif. Can opener. 503,618, Nov. 2; Serial No. 531,356, published July 20, 1948. Class 23.

National Bellas Hess Company Inc., New York, N. Y., by National Bellas Hess, Inc., North Kansas City, Mo. Ladies' leather handbags. 290,658, Jan. 12, 1932. Republished Nov. 2. Class 3.

National Bellas Hess, Inc.: *See*—
National Bellas Hess Company Inc.

National Coal Association, Washington, D. C. News letters, bulletins, and similar publications. 441,216, Nov. 2; Serial No. 519,594, published Aug. 3, 1948. Class 38.

National Dental Hygiene Association, Inc., Washington, D. C., and New York, N. Y. Magazine. 503,693, Nov. 2; Serial No. 547,755, published July 6, 1948. Class 38.

National Fruit Flavor Company, Inc., New Orleans, La. Non-alcoholic, maltless beverages, and concentrates for making the same. 503,631, Nov. 2; Serial No. 531,820, published Aug. 3, 1948. Class 45.

National Motor Bearing Company, Inc., San Francisco, Calif. Grease and oil retainers. 322,520, Mar. 12, 1935. Republished Nov. 2. Class 35.

National Soap and Chemical Co., The, Toledo, Ohio, to Carman & Co., Inc., New York, N. Y. Detergent washing powder. 72,406, re-renewed Jan. 26, 1949. O. G. Nov. 2. Class 4.

New Tomatin Distillers Company Limited, The, by Tomatin Distillers Co., Ltd., Tomatin, Scotland, and London, England. Whisky. 316,804, Sept. 4, 1934. Republished Nov. 2. Class 49.

New Wrinkle, Inc., Dayton, Ohio. Resins. 384,591, Jan. 21, 1941. Republished Nov. 2. Class 1.

New Wrinkle, Inc., Dayton, Ohio. Paints in dry, paste and ready-mixed form; paint enamels; and varnishes. 399,491, Jan. 12, 1943. Republished Nov. 2. Class 16.

New Wrinkle, Inc., Wilmington, Del., and Dayton, Ohio. Publication issued periodically. 415,501, Aug. 7, 1945. Republished Nov. 2. Class 38.

New Yorker Magazine, Inc., The, New York, N. Y. Magazine column. 503,688, Nov. 2; Serial No. 543,980, published July 27, 1948. Class 38.

Nicholson, Delmar, Idyl Bay Isle, Fla. Fresh fruits. 412,712, Mar. 20, 1945. Republished Nov. 2. Class 46.

Niles-Bement-Pond Company, West Hartford, Conn. Taps, tap chasers, combined taps, etc. 503,590, Nov. 2; Serial No. 526,699, published July 20, 1948. Class 23.

North Brothers Manufacturing Company: *See*—
North Bro's M'f'g Co.

North Bro's M'f'g Co., by North Brothers Manufacturing Company, Philadelphia, Pa. Ice breakers. 296,854, Aug. 23, 1932. Republished Nov. 2. Class 23.

North Bro's M'f'g Company, by North Brothers Manufacturing Company, Philadelphia, Pa. Screw drivers, chucks, drills, etc. 366,892, May 2, 1939. Republished Nov. 2. Class 23.

Northbilt Manufacturing Company, Minneapolis, Minn. Men's and boys' outer garments, etc. 503,611, Nov. 2; Serial No. 530,425, published July 27, 1948. Class 39.

Novo Engine Company, Lansing, Mich. Internal combustion engines, pumps. 427,416, Feb. 11, 1947. Republished Nov. 2. Class 23.

Nutri-Feed Corporation, Smithsburg, Md. Mineral supplement for use with live stock and poultry feeds. 503,664, Nov. 2; Serial No. 536,631, published July 27, 1948. Class 6.

Nuzan Brassiere Co., Inc., New York, N. Y. Brassières. 503,685, Nov. 2; Serial No. 542,483, published July 27, 1948. Class 39.

O'Connor, M., and Company, Indianapolis, Ind. Canned fruits and vegetables, salmon, hominy, etc. 115,377, Feb. 6, 1917. Republished Nov. 2. Class 46.

O'Connor, M., and Company, Indianapolis, Ind. Canned peaches, canned apricot, canned Hawaiian pineapple, etc. 117,907, Aug. 7, 1917. Republished Nov. 2. Class 46.

Ohio Confection Company, The: *See*—
Chasers, Inc.

Okeh Phonograph Corporation, assignee: *See*—
General Phonograph Corporation.
Old Trusty Dog Food Company, Needham Heights, Mass. Dog food. 232,250, renewed Jan. 29, 1949. O. G. Nov. 2. Class 46.
Omega Machine Company, Providence, R. I. Apparatus for visually observing the flow of a gas from a feeding device. 408,345, Aug. 8, 1944. Republished Nov. 2. Class 26.
One-Two-Three Company, Inc., New York, N. Y. Combination of fruit flavoring and comestible acid solution. 441,195, Nov. 2; Serial No. 493,819, published Aug. 3, 1948. Class 49.
O'Shea Knitting Mills, by Wilson Sporting Goods Co., Chicago, Ill. Sweaters, bathing suits, sports, work, and negligee shirts, etc. 157,555, Aug. 8, 1922. Republished Nov. 2. Class 39.
Oshkosh Trunk Company, The, to Oshkosh Trunks and Luggage, Oshkosh, Wis. Wardrobe trunks, dress trunks, cabin or steamer trunks, etc. 247,361, renewed Sept. 25, 1948. O. G. Nov. 2. Class 3.
Oshkosh Trunks and Luggage: *See*—
Oshkosh Trunk Company, The.
Ovsianico, Gregoire, Paris, France. Coats, hats, suits, etc. 441,200, Nov. 2; Serial No. 505,910, published July 27, 1948. Class 39.
Parfums Weil Paris Co.: *See*—
Société des Parfums Weil (Societe Anonyme).
Pathe-Cinema, Anciens Etablissements Pathe-Freres, Paris, France. Cameras. 177,720, renewed Dec. 25, 1943. O. G. Nov. 2. Class 26.
Pathe-Cinema, Anciens Etablissements Pathe-Freres, Paris, France. Photographic plates, sensitized papers. 195,026, renewed Feb. 17, 1945. O. G. Nov. 2. Class 26.
Paxton & Gallagher Co., Omaha, Nebr. Gelatin dessert preparation. 236,760, Dec. 20, 1927. Republished Nov. 2. Class 46.
Paxton & Gallagher Co., Omaha, Nebr. Mayonnaise, Thousand Island Dressing, sandwich spread, etc. 236,902, Dec. 27, 1927. Republished Nov. 2. Class 46.
Peet, E. M., Manufacturing Company, Council Bluffs, Iowa, Indianapolis, Ind., and Oakland, Calif. Preparation for elimination of worms in livestock, insecticides, insecticidal liquid dip, etc. 416,813, Oct. 2, 1945. Republished Nov. 2. Class 6.
Pencer Knitting Mills Ltd., Montreal, Quebec, Canada. Ladies' sweaters. 441,208, Nov. 2; Serial No. 514,241, published July 20, 1948. Class 39.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Ladies' garters. 247,028, renewed Sept. 18, 1948. O. G. Nov. 2. Class 39.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Umbrellas. 247,033, renewed Sept. 18, 1948. O. G. Nov. 2. Class 41.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Umbrellas. 248,432, renewed Oct. 23, 1948. O. G. Nov. 2. Class 41.
Perfection Biscuit Company, Fort Wayne, Ind. Wafers, biscuits, crackers, etc. 70,629, re-renewed Sept. 15, 1948. O. G. Nov. 2. Class 46.
Periodical House, Inc.: *See*—
Magazine Publishers, Inc.
Perkins, Dan, Company, Memphis, Tenn. Certified food color to be used in and on foods. 503,699, Nov. 2; Serial No. 503,663. Class 6.
Permalux Company, Inc., The, Aurora, Ill. Decalcomania signs. 352,859, Dec. 14, 1937. Republished Nov. 2. Class 38.
Peters Employment Service, Boston, Mass. Monthly publication. 441,223, Nov. 2; Serial No. 522,419, published July 27, 1948. Class 38.
Peterson, Willie C., Los Angeles, Calif. Fish, game, and poultry tongs. 441,197, Nov. 2; Serial No. 499,431, published Aug. 3, 1948. Class 23.
Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate. 112,555, Sept. 12, 1916. Republished Nov. 2. Class 6.
Philadelphia Quartz Company, Philadelphia, Pa. Series of pamphlets booklets, or leaflets. 157,560, Aug. 8, 1922. Republished Nov. 2. Class 38.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 340,699, Nov. 17, 1936. Republished Nov. 2. Class 6.
Philadelphia Quartz Company, Philadelphia, Pa. Adhesives. 405,157, Jan. 11, 1944. Republished Nov. 2. Class 5.
Phillips, Marie, Inc., New York, N. Y. Women's, misses', and girls' dresses. 503,671, Nov. 2; Serial No. 539,083, published July 20, 1948. Class 39.
Pillsbury Mills Inc., Minneapolis, Minn. Wheat flours. 441,193, Nov. 2; Serial No. 479,142, published Aug. 3, 1948. Class 46.
Pillsbury Mills, Inc., Minneapolis, Minn. Periodical publication. 503,691, Nov. 2; Serial No. 544,760, published July 20, 1948. Class 38.
Pleasant Valley Wine Company, The, Rheims, N. Y. Grape juice. 240,568, Apr. 3, 1928. Republished Nov. 2. Class 45.
Plee-Zing, Inc.: *See*—
Simmons, George W., Corporation.
Polis & Hagan, Edinburg, Tex. Fresh citrus fruits. 378,504, June 11, 1940. Republished Nov. 2. Class 46.
Polk Miller Products Corporation, Richmond, Va. Flea powder and pine oil disinfectant. 391,961, Dec. 2, 1941. Republished Nov. 2. Class 6.
Polk Miller Products Corporation, Richmond, Va. Flea soap. 395,609, June 2, 1942. Republished Nov. 2. Class 4.
Preston, Horace G., Company, Detroit, Mich. Leather packings. 150,064, Dec. 27, 1921. Republished Nov. 2. Class 35.
Promenade Shoe Corp., New York, N. Y. Children's and misses' shoes and slippers. 441,215, Nov. 2; Serial No. 519,447, published July 27, 1948. Class 39.
Proportioneers, Inc., Providence, R. I. Proportioning apparatus. 326,569, July 30, 1935. Republished Nov. 2. Class 23.
Proportioneers, Inc., Providence, R. I. Pumps for proportionally feeding reagents. 407,211, May 23, 1944. Republished Nov. 2. Class 23.
Proportioneers, Inc., Providence, R. I. Proportioning meters. 416,912, Oct. 2, 1945. Republished Nov. 2. Class 26.
Puritan Cosmetics, Inc.: *See*—
Puritan Pharmaceutical Company.
Puritan Drug Company: *See*—
Puritan Pharmaceutical Company.
Puritan Pharmaceutical Company, doing business as Puritan Cosmetics, Inc., by Puritan Drug Company, St. Louis, Mo. Preparation to stimulate the scalp, deep hair wave lotion, permanent wave oil, etc. 291,133, Jan. 26, 1932. Republished Nov. 2. Class 6.
Pyramid Leather Goods Company, New York, N. Y. Pocketbooks. 341,523, Dec. 8, 1936. Republished Nov. 2. Class 3.
Pyramid Leather Goods Company, New York, N. Y. Children's handbags. 350,569, Sept. 28, 1937. Republished Nov. 2. Class 3.
Q-P Manufacturing Company, The: *See*—
Q-P Signal Company, The.
Q-P Signal Company, The, by The Q-P Manufacturing Company, Needham Heights, Mass. Packing. 226,864, Apr. 19, 1927. Republished Nov. 2. Class 35.
Radionic Equipment Company: *See*—
Kransberg, Max H.
Rainbow Shops, Inc., Brooklyn, N. Y. Feminine wearing apparel. 404,260, Nov. 16, 1943. Republished Nov. 2. Class 39.
Ramage, Cy, doing business as Little Farms, Chula Vista, Calif. Fresh vegetables. 503,706, Nov. 2; Serial No. 529,822. Class 46.
Rand McNally and Company, Chicago, Ill. Books, particularly children's books. 503,584, Nov. 2; Serial No. 521,928, published July 27, 1948. Class 38.
Red Jacket Coal Sales Company, Columbus, Ohio. Electric motor-actuated furnace draft and damper controls and regulators. 439,304, June 15, 1948. Corrected. O. G. Nov. 2. Class 34.
Refrigeration Systems, Inc., Chicago, Ill. Ice boxes, electric household refrigerators, low temperature freezers for home use, etc. 503,704, Nov. 2; Serial No. 514,909. Class 31.
Reiff & Nestor Company, Lykens, Pa. Tools. 228,387, May 31, 1927. Republished Nov. 2. Class 23.
Revere Knitting Mills, Inc., Malden, Mass. Men's and boys' sweaters. 390,233, Dec. 22, 1942. Republished Nov. 2. Class 39.
Rhinelander Brewing Company, Rhinelander, Wis. Beer. 503,585, Nov. 2; Serial No. 522,128, published July 20, 1948. Class 48.
Riegel Textile Corporation: *See*—
Ware Shoals Manufacturing Company.
Riley, Frank H., doing business as Leather Lustre, Greenbelt, Md. Preservative and cleaner for leather. 503,702, Nov. 2; Serial No. 510,542. Class 4.
Rival Foods, Inc., Cambridge, Mass. Canned pineapple. 329,455, Oct. 29, 1935. Republished Nov. 2. Class 46.
River Brand Rice Mills, Inc.: *See*—
Southern Rice Sales Co., Inc.
Southern Rice Sales Company, Inc.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Periodicals. 503,684, Nov. 2; Serial No. 541,784, published July 27, 1948. Class 38.
Rockwell-Barnes Company, Chicago, Ill. Writing paper. 282,149, Apr. 14, 1931. Republished Nov. 2. Class 37.
Rockwell-Barnes Company, Chicago, Ill. Notebooks and blank books. 338,144, Sept. 1, 1936. Republished Nov. 2. Class 37.
Rockwell-Barnes Company, Chicago, Ill. Notebooks, blank books, and writing paper. 365,948, Mar. 21, 1939. Republished Nov. 2. Class 37.
Rockwell-Barnes Company, Chicago, Ill. Writing papers. 380,732, Aug. 27, 1940. Republished Nov. 2. Class 37.
Rockwell-Barnes Company, Chicago, Ill. Mimeograph paper. 399,028, Dec. 8, 1942. Republished Nov. 2. Class 37.
Rockwell-Barnes Company, Chicago, Ill. Typewriter paper and file folders. 418,555, Jan. 1, 1946. Republished Nov. 2. Class 37.
Rockwell Manufacturing Company: *See*—
Delta Manufacturing Company, The.
Rohrer, Raymond, Mills, Orwigsburg, Pa. Diapers. 441,210, Nov. 2; Serial No. 515,391, published July 20, 1948. Class 39.

Roseda, Inc., Los Angeles, Calif. Slips, panties, nightgowns, etc. 503,636, Nov. 2; Serial No. 532,637, published Aug. 3, 1948. Class 39.
Rosenthal Ackerman Millinery Company, St. Louis, Mo. Hats for ladies and misses. 503,673, Nov. 2; Serial No. 539,567, published July 27, 1948. Class 39.
Ross Packing Co.: *See*—
Ross Packing Co., Inc.
Ross Packing Co., Inc., by Ross Packing Co., Selah, Wash. Dried fruits. 326,915, Aug. 13, 1935. Republished Nov. 2. Class 46.
Rotary Seal Company, Chicago, Ill. Shaft seals. 380,559, Aug. 27, 1940. Republished Nov. 2. Class 23.
Rothschild Bros. Hat Company, St. Louis, Mo. Men's felt and straw hats. 503,626, Nov. 2; Serial No. 531,722, published July 27, 1948. Class 39.
Rothstein, Max M., Los Angeles, Calif. Men's pajamas and sleeping coats. 441,222, Nov. 2; Serial No. 521,468, published July 20, 1948. Class 39.
Royal Typewriter Company, Inc., New York, N. Y. Typewriting-machine accessories. 252,665, renewed Feb. 12, 1949. O. G. Nov. 2. Class 23.
Sale & Co. (U. S. A.) Inc., New York, N. Y. Variable speed gears for bicycles. 503,591, Nov. 2; Serial No. 526,979, published Aug. 3, 1948. Class 23.
Sanford Ink Company: *See*—
Sanford Manufacturing Co.
Sanford Manufacturing Co., Chicago, to Sanford Ink Company, Bellwood, Ill. Writing fluid. 70,510, re-renewed Sept. 8, 1948. O. G. Nov. 2. Class 11.
Schein Brothers: *See*—
Schein Brothers, Inc.
Schein Brothers, Inc., by Schein Brothers, New York, N. Y. Jewelry. 310,126, Feb. 13, 1934. Republished Nov. 2. Class 28.
Schenley Distillers Corporation: *See*—
Cresta Blanca Wine Company, Inc.
Schmid, Julius, Inc.: *See*—
Hilsenbeck, L., Inc.
Schreiber, A., Brewing Company, by Schreiber Brewing Company, Inc., Buffalo, N. Y. Beer. 117,611, July 17, 1917. Republished Nov. 2. Class 48.
Schreiber Brewing Company, Inc.: *See*—
Schreiber, A., Brewing Company.
Sea Island Manufacturing Company, Inc., New York, N. Y. Men's and boys' sport casual and outdoor shirts. 503,640, Nov. 2; Serial No. 533,207, published July 20, 1948. Class 39.
Seamprufe, Incorporated, New York, N. Y. Women's apparel. 441,229, Nov. 2; Serial No. 524,214, published July 20, 1948. Class 39.
Seeman Brothers, Inc., New York, N. Y. Canned corn. 260,958, Sept. 3, 1929. Republished Nov. 2. Class 46.
Seeman Brothers, Inc., New York, N. Y. Sauce or seasoning for meat, fish, soup, and the like. 339,801, Oct. 20, 1936. Republished Nov. 2. Class 46.
Seeman Brothers, Inc., New York, N. Y. Canned lima beans. 352,293, Nov. 23, 1937. Republished Nov. 2. Class 46.
Select Sportswear, Inc., New York, N. Y. Ladies' and misses' knitted sports sweaters and two-piece knitted dresses. 394,812, Apr. 28, 1942. Republished Nov. 2. Class 39.
Se-Ling Hosiery, Incorporated, Philadelphia, Pa. Hosiery. 503,606, Nov. 2; Serial No. 528,744, published July 27, 1948. Class 39.
Semler, R. B., Inc., New Canaan, Conn. Hair tonic. 341,250, Dec. 1, 1936. Republished Nov. 2. Class 6.
Shane, C. B., Corporation, Chicago, Ill. Women's, misses', and juniors' overcoats and topcoats. 503,576, Nov. 2; Serial No. 506,063, published July 27, 1948. Class 39.
Shane, C. B., Corporation, Chicago, Ill. Men's and young men's overcoats and topcoats. 503,577, Nov. 2; Serial No. 506,064, published Aug. 3, 1948. Class 39.
Sheffield Company, The, New York, N. Y., and New London, Conn. Tooth paste. 330,317, Nov. 26, 1935. Republished Nov. 2. Class 6.
Sheffield Company, The, New London, Conn. Tooth paste. 343,077, Feb. 9, 1937. Republished Nov. 2. Class 6.
Sheffield Company, The, New York, N. Y., and New London, Conn. Tooth paste and tooth powder. 361,128, Oct. 11, 1938. Republished Nov. 2. Class 6.
Shelton Casuals, New York, N. Y. Ladies' and misses' dresses, blouses, and playsuits. 441,220, Nov. 2; Serial No. 521,032, published June 22, 1948. Class 39.
Shlansky, Philip, & Bro., Inc., New York, N. Y. Women's, misses', and girls' coats. 503,655, Nov. 2; Serial No. 535,348, published July 27, 1948. Class 39.
Simmons, George W., Corporation, New York, N. Y., to Plee-Zing, Inc., Chicago, Ill. Chlorinated lime and ammonia. 251,027, renewed Dec. 25, 1948. O. G. Nov. 2. Class 6.
Simons, Hazel I., doing business as American Repertory Theatre, Hollywood, Calif. Magazine or periodical. 503,700, Nov. 2; Serial No. 509,538. Class 38.
Singer, Edward L., doing business as Central Headwear Manufacturing Co., New York, N. Y. Men's and children's hats and suits. 441,219, Nov. 2; Serial No. 520,974, published July 20, 1948. Class 39.
Sisk, Albert W., & Son, by Albert W. Sisk & Son (1941), Preston, Md. Canned fruits and vegetables. 198,770, May 26, 1925. Republished Nov. 2. Class 46.
Sisk, Albert W., & Son (1941): *See*—
Sisk, Albert W., & Son.
Smania Drug Company: *See*—
Smania, Rudolph.
Smania, Rudolph, doing business as Smania Drug Company, Springfield, Mass. Ointment and counterirritant. 259,374, July 30, 1929. Republished Nov. 2. Class 6.
Smith, J. Hungerford, Co., Rochester, N. Y. Chocolate flavored syrup. 503,637, Nov. 2; Serial No. 533,065, published July 20, 1948. Class 45.
Societe Anonyme Gillet-Thaon: *See*—
Etablissements Chané & Dumail.
Société des Parfums Weil (Societe Anonyme), Paris, France, by Parfums Weil Paris Co., New York, N. Y. Face powders, talcum powders, rouges, etc. 282,352, Apr. 21, 1931. Republished Nov. 2. Class 6.
Societe Rhodiaceta, Paris, France. Artificial silk fabric. 179,750, renewed Feb. 12, 1944. O. G. Nov. 2. Class 42.
Societe Veuve M. Detourbe & Cie.: *See*—
Detourbe, Maurice L.
Southern Rice Sales Company, Inc., by River Brand Rice Mills, Inc., New York, N. Y. Rice. 265,432, Dec. 24, 1929. Republished Nov. 2. Class 46.
Southern Rice Sales Co., Inc., by River Brand Rice Mills, Inc., New York, N. Y. Rice. 347,074, June 15, 1937. Republished Nov. 2, 1948. Class 46.
Southport Paint Company, Inc., New Orleans, La. Roof coating material. 368,672, June 27, 1939. Republished Nov. 2. Class 12.
Southport Paint Company, Inc., New Orleans, La. Dry paints, paste paints, ready-mixed paints, etc. 403,765, Oct. 19, 1943. Republished Nov. 2. Class 16.
Southport Paint Company, Inc., New Orleans, La. Water proofing compounds, etc. 404,659, Dec. 14, 1943. Republished Nov. 2. Class 12.
Sporting Goods, Inc., Springfield, Mass. Soft balls and base balls. 412,823, Mar. 27, 1945. Republished Nov. 2. Class 22.
Spurgeon Hosiery Corporation, Philadelphia, Pa. Hosiery. 503,647, Nov. 2; Serial No. 534,484, published July 20, 1948. Class 39.
Stamats Publishing Company: *See*—
French-Stamats Company.
Standard Brands Incorporated: *See*—
Fleischmann Company, The.
Standard Oil Company, San Francisco, Calif. Motor lubricating oils. 196,118, Mar. 10, 1925. Amended. O. G. Nov. 2. Class 15.
Standlee & Bryant, Brawley and Los Angeles, by W. M. Corn, Calipatria, Calif. Fresh vegetables, fresh deciduous fruits, fresh grapes, etc. 256,931, May 28, 1929. Republished Nov. 2. Class 46.
Star Beverage Company, The, by The Wooden Shoe Brewing Company, Minster, Ohio. Malt beverages. 333,953, Apr. 14, 1936. Republished Nov. 2. Class 48.
Star Beverage Company, The, by The Wooden Shoe Brewing Company, Minster, Ohio. Beer and ale. 333,956, Apr. 14, 1936. Republished Nov. 2. Class 48.
Stardust, Incorporated: *See*—
Industrial Undergarment Corporation.
Starks, Richard S., by Estate of R. S. Starks, Midway, Ky. Headache-powders. 49,816, Feb. 20, 1906. Republished Nov. 2. Class 6.
Starks, Richard S., Estate of: *See*—
Starks, Richard S.
Stillman Bros., Philadelphia, Pa. Hosiery. 441,231, Nov. 2; Serial No. 524,750, published Aug. 3, 1948. Class 39.
Stix, Baer, & Fuller Company, St. Louis, Mo. Women's and misses' dresses and frocks. 503,683, Nov. 2; Serial No. 541,716, published July 27, 1948. Class 39.
Straub, W. F., and Company: *See*—
Straub, W. F., Laboratories, Inc.
Straub, W. F., Laboratories, Inc., by W. F. Straub and Company, Chicago, Ill. Salad oil. 258,301, July 2, 1929. Republished Nov. 2. Class 46.
Strohmeyer & Arpe Company, New York, N. Y., by Judice Fialho & Co., Faro, Portugal. Sardines and canned fish. 69,365, June 9, 1908. Republished Nov. 2. Class 46.
Stromeyer, J., Company, Philadelphia, Pa. Table syrups and molasses. 503,580, Nov. 2; Serial No. 510,128, published Aug. 3, 1948. Class 46.
Strong, Carlisle & Hammond Company: *See*—
Strong, Carlisle & Hammond Co., The.
Strong, Carlisle & Hammond Co., The, by Strong, Carlisle & Hammond Company, Cleveland, Ohio. Steam specialties. 76,802, Feb. 15, 1910. Republished Nov. 2. Class 13.
Strong, Carlisle & Hammond Co., The, by Strong, Carlisle & Hammond Company, Cleveland, Ohio. Steam specialties. 78,215, May 31, 1910. Republished Nov. 2. Class 23.
Suburban Club Carbonated Beverage Co., Inc., Baltimore, Md. Maltless soft drinks and carbonated waters. 503,653, Nov. 2; Serial No. 535,094, published Aug. 3, 1948. Class 45.
Sunshine Products Company, Seattle, Wash. Deodorant and disinfectant. 432,471, Sept. 2, 1947. Republished Nov. 2. Class 6.
Superla Laboratories, Inc., to Superla Products, Inc., Chicago, Ill. Polish or gloss. 246,621, renewed Sept. 11, 1948. O. G. Nov. 2. Class 16.

Superla Products, Inc.: *See*—
Superla Laboratories, Inc.

Supports, Inc., New York and Long Island City, N. Y. Men's abdominal supports. 441,228, Nov. 2; Serial No. 524,025, published July 20, 1948. Class 39.

Swift & Company, Chicago, Ill. Glycerol derivative of hydrogenated vegetable oil. 441,204, Nov. 2; Serial No. 512,542, published Aug. 3, 1948. Class 46.

Taube, L. S., & Co., Kansas City, Mo. Potatoes. 441,212, Nov. 2; Serial No. 516,107, published Aug. 3, 1948. Class 46.

Teen-Timers, Inc., New York, N. Y. Dresses for misses and girls. 433,432, Oct. 14, 1947. Republished Nov. 2. Class 39.

Tennessee Furniture Corporation, by Cavalier Corporation, Chattanooga, Tenn. Bedroom, dining-room, living-room, and kitchen furniture. 186,490, July 22, 1924. Republished Nov. 2. Class 32.

Throat-Eze Laboratories: *See*—
Green, Garth E.

Thru' The Looking Glass, New York, N. Y. Wall mirrors. 441,202, Nov. 2; Serial No. 510,455, published Aug. 3, 1948. Class 32.

Tomatin Distillers Co., Ltd.: *See*—
New Tomatin Distillers Company Limited, The.

Trade-Wind Motorfans, Inc., Los Angeles, Calif. Fans and blowers, heating, ventilating and cooling and air conditioning units. 368,986, July 11, 1939. Republished Nov. 2. Class 34.

Tremco Manufacturing Company, The, Cleveland, Ohio. Construction materials. 269,117, Mar. 25, 1930. Republished Nov. 2. Class 12.

Tremco Manufacturing Company, The, Cleveland, Ohio. Damp-proofing and water-proofing products. 331,001, Dec. 24, 1935. Republished Nov. 2. Class 12.

Treo Company, Inc., Jamaica, N. Y. Girdles, corsets, brassières, etc. 503,679, Nov. 2; Serial No. 540,740, published July 20, 1948. Class 39.

Tri-Parel Corporation, Philadelphia, Pa. Children's outer wearing apparel. 503,672, Nov. 2; Serial No. 539,460, published July 27, 1948. Class 39.

Tripletoe Hosiery Company, Boston, Mass. Hosiery. 503,612, Nov. 2; Serial No. 530,597, published July 20, 1948. Class 39.

Tuvaché Co.: *See*—
De Tuvaché, M.

Tuvaché Co., by Tuvaché, Inc., New York, N. Y. Perfume, cologne, hair lotion, etc. 418,885, Jan. 15, 1946. Republished Nov. 2. Class 6.

Tuvaché Co., by Tuvaché, Inc., New York, N. Y. Perfume, skin perfume, cologne, and bath oil. 423,368, Aug. 27, 1946. Republished Nov. 2. Class 6.

Tuvaché Co., by Tuvaché, Inc., New York, N. Y. Perfume and bath oil. 430,311, June 10, 1947. Republished Nov. 2. Class 6.

Tuvaché, Inc.: *See*—
De Tuvaché, M.
Tuvaché Co.

Ultra Chemical Works, Incorporated, Paterson, N. J. Surface active agents useful as wetting agents, etc. 436,736, Feb. 17, 1948. Corrected. O. G. Nov. 2. Class 6.

Uncle Jo Company, Fort Worth, Tex. Nonalcoholic malt-less beverages. 503,603, Nov. 2; Serial No. 528,384, published Aug. 3, 1948. Class 45.

Union Miniere Du Haut Katanga, Brussels, Belgium. Electrolytic copper of various forms. 243,378, June 19, 1928. Corrected. O. G. Nov. 2. Class 14.

Union Title Insurance and Trust Company, San Diego, Calif. Magazine. 441,205, Nov. 2; Serial No. 513,226, published July 27, 1948. Class 38.

Union Tool Company, Orange, Mass. Display cabinets for tools. 503,587, Nov. 2; Serial No. 523,298, published July 27, 1948. Class 32.

United Co-Operatives, Inc., Alliance, Ohio. Tires and inner tubes for tires. 359,876, Aug. 30, 1938. Republished Nov. 2. Class 35.

United Co-Operatives, Inc., Alliance, Ohio. Forks, hoes, rakes, etc. 373,837, Dec. 26, 1939. Republished Nov. 2. Class 23.

United Co-Operatives, Inc., Alliance, Ohio. Lubricating oils and greases, motor oils, gasolines, etc. 377,904, May 21, 1940. Republished Nov. 2. Class 15.

United Co-Operatives, Inc., Alliance, Ohio. Woven wire fence, barbed wire, steel posts, etc. 380,347, Aug. 20, 1940. Republished Nov. 2. Class 13.

United Co-Operatives, Inc., Alliance, Ohio. Stable brooms and brushes. 380,348, Aug. 20, 1940. Republished Nov. 2. Class 29.

United Co-Operatives, Inc., Alliance, Ohio. Outside and interior paints and varnishes, etc. 380,933, Sept. 10, 1940. Republished Nov. 2. Class 16.

United Co-Operatives, Inc., Alliance, Ohio. Gravity roof ventilators. 383,582, Dec. 17, 1940. Republished Nov. 2. Class 34.

United Co-Operatives, Inc., Alliance, Ohio. Tire chains. 385,669, Mar. 11, 1941. Republished Nov. 2. Class 13.

United Co-Operatives, Inc., Alliance, Ohio. Binder twine. 388,833, July 15, 1941. Republished Nov. 2. Class 7.

United Co-Operatives, Inc., Alliance, Ohio. Portland cement. 393,348, Feb. 10, 1942. Republished Nov. 2. Class 12.

United Profit-Sharing Corporation, New York, N. Y. Premium tokens and coupons. 163,766, Jan. 23, 1923. Republished Nov. 2. Class 38.

Vacuum Cleaner Corporation of America, The, Philadelphia, Pa. Electrical cord take-up reels. 410,926, Dec. 26, 1944. Republished Nov. 2. Class 21.

Valentine, C. C., & Company, Inc., New York, N. Y. Athletic shirts, athletic shorts, and polo shirts. 503,689, Nov. 2; Serial No. 544,511, published July 20, 1948. Class 39.

Valentine, C. C., & Company, Inc., New York, N. Y. Athletic shirts, athletic shorts, and polo shirts. 503,690, Nov. 2; Serial No. 544,512, published Aug. 3, 1948. Class 39.

Variety Club Beverage Co., Toledo, Ohio. Nonalcoholic maltless beverages. 503,644, Nov. 2; Serial No. 534,209, published July 20, 1948. Class 45.

Vendo Company, The, Kansas City, Mo. Coin controlled bottle vending attachments. 406,001, May 7, 1944. Republished Nov. 2. Class 23.

Von Duprin Fire Exit Latch Company, by Vonnegut Hardware Company, Indianapolis, Ind. Locks and latches. 85,021, Jan. 16, 1912. Republished Nov. 2. Class 25.

Vonnegut Hardware Company: *See*—
Von Duprin Fire Exit Latch Company.

Wampole, Henry K., and Company, Incorporated, Philadelphia, Pa. Nontoxic antiseptic solution. 248,179, renewed Oct. 16, 1948. O. G. Nov. 2. Class 6.

Wampole, Henry K., and Company, Incorporated, Philadelphia, Pa. Cough mixture. 248,315, renewed Oct. 16, 1948. O. G. Nov. 2. Class 6.

Ware Shoals Manufacturing Company, Ware Shoals, S. C., to Riegel Textile Corporation, New York, N. Y. Cotton pillowcases, cotton sheets, and cotton handkerchiefs. 240,780–1, renewed Apr. 10, 1948. O. G. Nov. 2. Classes 39 and 42.

Ware Shoals Manufacturing Company, Ware Shoals, S. C., to Riegel Textile Corporation, New York, N. Y. Cotton pillow cases and cotton sheets. 245,891, renewed Aug. 28, 1948. O. G. Nov. 2. Class 42.

Warren Featherbone Co., The, Three Oaks, Mich. Brassières, fabric girdle foundations, girdles, etc. 503,613, Nov. 2; Serial No. 530,606, published Aug. 3, 1948. Class 39.

Warren Featherbone Co., The, Three Oaks, Mich. Brassières, fabric girdle foundations, girdles, etc. 503,674, Nov. 2; Serial No. 540,356, published Aug. 3, 1948. Class 39.

Warren, S. D., Company, Boston, Mass. Printing paper. 196,823, Mar. 31, 1925. Republished Nov. 2. Class 37.

Warren, S. D., Company, Boston, Mass. Printing paper. 226,322, Apr. 5, 1927. Republished Nov. 2. Class 37.

Warren, S. D., Company, Boston, Mass. Interleaving paper. 354,100, Feb. 1, 1938. Republished Nov. 2. Class 37.

Warren, S. D., Company, Boston, Mass. Paper. 381,454, Sept. 24, 1940. Republished Nov. 2. Class 37.

Watchemoket Optical Co. Inc., Providence, R. I. Industrial safety goggles. 410,585, Dec. 5, 1944. Republished Nov. 2. Class 26.

Watchemoket Optical Co., Inc., Providence, R. I. Sun goggles and industrial goggles. 430,004, June 3, 1947. Republished Nov. 2. Class 26.

Weill & Hartmann, by Arkwright, Incorporated, New York, N. Y. Velocipedes, scooters, wagons (toy), etc. 342,586, Jan. 19, 1937. Republished Nov. 2. Classes 19 and 22.

Weiner, Martin, New York, N. Y. Textile fabrics. 335,032, May 19, 1936. Repnblished Nov. 2. Class 42.

Weiner, Martin, New York, N. Y. Textile fabrics. 341,476, Dec. 8, 1936. Republished Nov. 2. Class 42.

Weiner, Martin, New York, N. Y. Textile fabrics. 346,959, June 15, 1937. Republished Nov. 2. Class 42.

Weiner, Martin, New York, N. Y. Textile piece goods of rayon, acetate and/or silk. 361,515, Oct. 18, 1938. Republished Nov. 2. Class 42.

Weiner, Martin, New York, N. Y. Rayon, acetate, and silk fabrics in the piece. 361,863, Nov. 1, 1938. Republished Nov. 2. Class 42.

Weiner, Martin, New York, N. Y. Piece goods. 423,530, Sept. 3, 1946. Republished Nov. 2. Class 42.

Weis Pure Foods Stores, Sunbury, Pa. Canned vegetables. 378,140, May 28, 1940. Republished Nov. 2. Class 46.

West Coast Packing Corporation: *See*—
Italian Food Products Company, Inc.

West Coast Packing Corporation, Long Beach, Calif. Canned mackerel. 384,498, Jan. 21, 1941. Republished Nov. 2. Class 46.

Western Garment Company, St. Louis, Mo. Ladies' and misses' coats. 415,988, Aug. 21, 1945. Republished Nov. 2. Class 39.

Western Oregon Packing Corporation, Corvallis, Oreg. Canned fruits, berries, vegetables. 398,820, Nov. 24, 1942. Republished Nov. 2. Class 46.

Western Pharmacal Company, to Western Pharmacal Company, Salt Lake City, Utah. Antiseptic powder. 251,271, renewed Jan. 1, 1949. O. G. Nov. 2. Class 6.

Whiting, Albert L., Urbana, Ill. Legume inoculator. 238,391, Feb. 7, 1928. Republished Nov. 2. Class 10.

Wilbur & Williams Company, The, Boston, Mass. Paints, enamels, lacquers, etc. 410,478, Nov. 28, 1944. Republished Nov. 2. Class 16.

Willey, R. F.: *See*—
Georgie Porgie Company.

Wilson Chemical Company, Inc., The: *See*—
Wilson, George C.

Wilson, George C., by The Wilson Chemical Company, Inc., Tyrone, Pa. Salves. 47,467, Nov. 7, 1905. Republished Nov. 2. Class 6.

Wilson Sporting Goods Co.: *See*—
O'Shea Knitting Mills.

Wood, R. D., & Co.: *See*—
Wood, Walter.

Wood, Walter, trading as R. D. Wood & Co., Philadelphia, Pa., by Florence Pipe Foundry & Machine Company, Florence, N. J. Fire hydrants. 157,612, Aug. 8, 1922. Republished Nov. 2. Class 13.

Wooden Shoe Brewing Company, The: *See*—
Star Beverage Company, The.

Wool, F. G., Packing Company, San Jose, Calif. Canned fruits. 179,982, Feb. 19, 1924. Republished Nov. 2. Class 46.

Wright, William E., & Sons Company, West Warren, Mass. Hank ribbons. 382,118, Oct. 15, 1940. Republished Nov. 2. Class 42.

Wright, William E., & Sons Company, West Warren, Mass. Electrical insulating tape. 398,738, Nov. 17, 1942. Republished Nov. 2. Class 21.

Wright's Underwear Corporation, New York, N. Y. Men's, women's and children's one and two piece sleeping garments. 503,619, Nov. 2; Serial No. 531,410, published July 20, 1948. Class 39.

Wright's Underwear Corporation, New York, N. Y. Knitted and textile garments. 503,620, Nov. 2; Serial No. 531,411, published July 20, 1948. Class 39.

Wurm Brothers Company, Chicago, Ill. Canned fruits, canned vegetables, canned fish, etc. 347,241, June 22, 1937. Republished Nov. 2. Class 46.

Zausner Foods Inc., New York, N. Y. Cheese. 503,624, Nov. 2; Serial No. 531,571, published Aug. 3, 1948. Class 46.

Zeese-Wilkinson Co. Inc., Long Island City, N. Y., by Miehle Printing Press and Manufacturing Company, Chicago, Ill. Printing plates. 340,239, Nov. 3, 1936. Republished Nov. 2. Class 50.

Zeese-Wilkinson Co. Inc., Long Island City, N. Y., by Miehle Printing Press and Manufacturing Company, Chicago, Ill. Gravure prints. 348,882, Aug. 17, 1937. Republished Nov. 2. Class 38.

Zilberg, Charles, New York, N. Y. Underwear for the use of men, women, and children, and sweaters. 363,643, Jan. 3, 1939. Republished Nov. 2. Class 39.

Zywiecka, Helen M., New York, N. Y. Children's blouses and slips, and ladies' blouses, slips, panties, etc. 503,680, Nov. 2; Serial No. 540,751, published July 20, 1948. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon black. Grasselli Chemical Company. 244,116, renewed July 10, 1948. O. G. Nov. 2.

Condensation product, Laminated phenolic. Diamond State Fibre Company. 175,089, Oct. 30, 1923. Republished Nov. 2.

Resins. New Wrinkle, Inc. 384,591, Jan. 21, 1941. Republished Nov. 2.

CLASS 3

Handbags, Children's. Pyramid Leather Goods Company. 350,569, Sept. 28, 1937. Republished Nov. 2.

Hand-bags, Ladies' leather. National Bellas Hess Company Inc. 290,658, Jan. 12, 1932. Republished Nov. 2.

Pocketbooks. Pyramid Leather Goods Company. 341,523, Dec. 8, 1936. Republished Nov. 2.

Trunks, Wardrobe, dress trunks, cabin or steamer trunks; shoe, shirt-waist, and hat trunks; etc. Oshkosh Trunk Company. 247,361, renewed Sept. 25, 1948. O. G. Nov. 2.

CLASS 4

Preservative and cleaner for leather. F. H. Riley. 503,702, Nov. 2; Serial No. 510,542.

Soap. Lucien Lelong, Inc. 500,521, June 1, 1948. Corrected. O. G. Nov. 2.

Soap. Los Angeles Soap Company. 35,741, Jan. 8, 1901. Republished Nov. 2.

Soap. Los Angeles Soap Company. 101,787, Jan. 12, 1915. Republished Nov. 2.

Soap. Los Angeles Soap Company. 266,964, Feb. 11, 1930. Republished Nov. 2.

Soap, Flea. Polk Miller Products Corporation. 395,609, June 2, 1942. Republished Nov. 2.

Soap, Liquid, and typewriter type and platen cleaner. Ditto, Incorporated. 346,555, June 1, 1937. Republished Nov. 2.

Soap, Toilet, and shaving cream. M. de Tuvaché. 415,373, Aug. 7, 1945. Republished Nov. 2.

Washing powder, Detergent. National Soap and Chemical Co. 72,406, re-renewed Jan. 26, 1949. O. G. Nov. 2.

CLASS 5

Adhesives. Philadelphia Quartz Company. 405,157, Jan. 11, 1944. Republished Nov. 2.

Pastes and mucilages, Adhesive. Leadenhall Press, Limited. 136,511, renewed Nov. 2, 1940. O. G. Nov. 2.

CLASS 6

Agents useful as wetting agents, etc., Surface active. Ultra Chemical Works, Incorporated. 436,736, Feb. 17, 1948. Corrected. O. G. Nov. 2.

Antiseptic powder. Western Pharmacal Company. 251,271, renewed Jan. 1, 1949. O. G. Nov. 2.

Antiseptic solution, Nontoxic. Henry K. Wampole and Company, Incorporated. 248,179, renewed Oct. 16, 1948. O. G. Nov. 2.

Arsenical, Antisyphilitic. Abbott Laboratories. 441,235, Nov. 2; Serial No. 522,870.

Astringents, astringent cerates, bleach creams, etc. Barbara Gould Ltd. 251,556, renewed Jan. 8, 1949. O. G. Nov. 2.

Chemical cleansing cream preparation. Ditto, Incorporated. 346,757, June 8, 1937. Republished Nov. 2.

Chemicals, Photo-engraving and photographic. Chemco Photoproducts Company. 353,510, Jan. 11, 1938. Republished Nov. 2.

Cologne, hair lotion, and toilet water. M. de Tuvaché. 426,895, Jan. 21, 1947. Republished Nov. 2.

Cologne, toilet water, talcum powder, etc. M. de Tuvaché. 415,355, Aug. 7, 1945. Republished Nov. 2.

Cosmetics and beauty preparations. Jacqueline Cochran. 390,485, Sept. 23, 1941. Republished Nov. 2.

Cosmetics and beauty preparations. Jacqueline Cochran. 393,187, Jan. 27, 1942. Republished Nov. 2.

Cosmetics and beauty preparations. Jacqueline Cochran. 397,229, Aug. 25, 1942. Republished Nov. 2.

Cough mixture. Henry K. Wampole and Company, Incorporated. 248,315, renewed Oct. 16, 1948. O. G. Nov. 2.

Deodorant and disinfectant. Sunshine Products Company. 432,471, Sept. 2, 1947. Republished Nov. 2.

Deodorant powder, Astringent. Morton Manufacturing Corporation. 290,034, Dec. 22, 1931. Republished Nov. 2.

Eau de cologne water, perfumery, hair tonics, etc. P. P. Mülhens. 247,416, renewed Sept. 25, 1948. O. G. Nov. 2.

Eye-water. R. Moulthrop. 71,030, re-renewed Oct. 27, 1948. O. G. Nov. 2.

Face powders, talcum powders, rouges, etc. Société des Parfums Weil (Societe Anonyme). 282,352, Apr. 21, 1931. Republished Nov. 2.

Food color to be used in and on foods, Certified. Dan Perkins Company. 503,699, Nov. 2; Serial No. 503,663.

Hair tonic. R. B. Semler, Inc. 341,250, Dec. 1, 1936. Republished Nov. 2.

Headache-powders. R. S. Starks. 49,816, Feb. 20, 1906. Republished Nov. 2.

Lime and ammonia, Chlorinated. George W. Simmons Corporation. 251,027, renewed Dec. 25, 1948. O. G. Nov. 2.

Magnesium hydroxide. McKesson & Robbins, Incorporated. 245,979, renewed Aug. 28, 1948. O. G. Nov. 2.

Malt tonic. Jackson Brewing Company. 206,402, Dec. 1, 1925. Republished Nov. 2.

Medicinal preparation for the treatment of minor skin and throat irritations. G. E. Green. 503,708, Nov. 2; Serial No. 547,113.

Mineral supplement for use with live stock and poultry feeds. Nutri-Feed Corporation. 503,664, Nov. 2; Serial No. 536,631, published July 27, 1948.

Ointment. McKesson & Robbins, Incorporated. 245,982, renewed Aug. 28, 1948. O. G. Nov. 2.

Ointment and counterirritant. R. Smania. 259,374, July 30, 1929. Republished Nov. 2.

Perfume. Jacqueline Cochran. 392,416, Dec. 23, 1941. Republished Nov. 2.

Perfume. Jacqueline Cochran. 393,188, Jan. 27, 1942. Republished Nov. 2.

Perfume and bath oil. Tuvaché Co. 430,311, June 10, 1947. Republished Nov. 2.

Perfume, cologne, hair lotion, etc. Tuvaché Co. 418,885, Jan. 15, 1946. Republished Nov. 2.

Perfume, skin perfume, cologne, and bath oil. Tuvaché Co. 423,368, Aug. 27, 1946. Republished Nov. 2.

Perfumes. George W. Button Co. 405,811, Feb. 22, 1944. Republished Nov. 2.

Perfumes. G. C. Hester. 503,701, Nov. 2; Serial No. 509,843.

Perfumes, toilet waters and colognes. George W. Button Co. 413,543, May 1, 1945. Republished Nov. 2.

Plastic substances. Maas & Waldstein Co. 430,901, July 1, 1947. Republished Nov. 2.
Powder, Flea, and pine oil disinfectant. Polk Miller Products Corporation. 391,961, Dec. 2, 1941. Republished Nov. 2.
Preparation adapted for use on the legs, Liquid. Beauty Counsellors, Inc. 396,223, June 30, 1942. Republished Nov. 2.
Preparation for elimination of worms in livestock; insecticides; insecticidal liquid dip, etc. E. M. Peet Manufacturing Company. 416,813, Oct. 2, 1945. Republished Nov. 2.
Preparation to stimulate the scalp, deep hair wave lotion, permanent wave oil, etc. Puritan Pharmaceutical Company. 291,133, Jan. 26, 1932. Republished Nov. 2.
Preparations for the treatment of paper to make same washable. American Varnish Company. 307,714, Oct. 31, 1933. Republished Nov. 2.
Rouge, Cream. J. Lesquendieu. 250,085, renewed Nov. 27, 1948. O. G. Nov. 2.
Rouge, lipsticks, loose powder, etc. L. L. Kole. 343,480, Feb. 23, 1937. Republished Nov. 2.
Salves. G. C. Wilson. 47,467, Nov. 7, 1905. Republished Nov. 2.
Silicate of soda. Philadelphia Quartz Company. 340,699, Nov. 17, 1936. Republished Nov. 2.
Sodium silicate. Philadelphia Quartz Company. 112,555, Sept. 12, 1916. Republished Nov. 2.
Sprays, Nose and throat. McKesson & Robbins, Incorporated. 245,930, renewed Aug. 28, 1948. O. G. Nov. 2.
Sprays, Nose and throat. McKesson & Robbins, Incorporated. 245,932, renewed Aug. 28, 1948. O. G. Nov. 2.
Starch, Laundry. Corn Products Refining Co. 161,102, Nov. 7, 1922. Republished Nov. 2.
Starch, Laundry. Fisher Brothers Company. 236,839, Dec. 27, 1927. Republished Nov. 2.
Toilet preparations. Beauty Counselors, Inc. 350,068, Sept. 14, 1937. Republished Nov. 2.
Tonics and laxatives. Alternative general. McKesson & Robbins, Incorporated. 245,981, renewed Aug. 28, 1948. O. G. Nov. 2.
Tooth paste. Sheffield Company. 330,317, Nov. 26, 1935. Republished Nov. 2.
Tooth paste. Sheffield Company. 343,077, Feb. 9, 1937. Republished Nov. 2.
Tooth paste and tooth powder. Sheffield Company. 361,128, Oct. 11, 1938. Republished Nov. 2.

CLASS 7

Rope. Columbian Rope Company. 98,364, July 14, 1914. Republished Nov. 2.
Twine. International Harvester Company. 252,779, renewed Feb. 12, 1949. O. G. Nov. 2.
Twine, Binder. United Co-Operatives, Inc. 388,833, July 15, 1941. Republished Nov. 2.

CLASS 10

Inoculator, Legume. A. L. Whiting. 238,391, Feb. 7, 1928. Republished Nov. 2.

CLASS 11

Paper coated with a transfer medium on one side. Ditto, Incorporated. 384,844, Feb. 4, 1941. Republished Nov. 2.
Pencils, Lead, colored pencils, copying pencils, crayons, etc. Eberhard Faber Pencil Company. 416,942, Oct. 9, 1945. Republished Nov. 2.
Writing fluid. Sanford Manufacturing Co. 70,510, re-renewed Sept. 8, 1948. O. G. Nov. 2.

CLASS 12

Bricks and blocks, Building and paving. Metropolitan Paving Brick Company. 203,670, Sept. 22, 1925. Republished Nov. 2.
Cement, Portland. United Co-Operatives, Inc. 393,348, Feb. 10, 1942. Republished Nov. 2.
Compounds, Water proofing, etc. Southport Paint Company, Inc. 404,659, Dec. 14, 1943. Republished Nov. 2.
Construction materials. Tremco Manufacturing Company. 269,117, Mar. 25, 1930. Republished Nov. 2.
Damp-proofing and water-proofing products. Tremco Manufacturing Company. 331,001, Dec. 24, 1935. Republished Nov. 2.
Forms, Metal. Economy Forms Corporation. 370,216, Aug. 22, 1939. Republished Nov. 2.
Roof coating material. Southport Paint Company, Inc. 368,672, June 27, 1939. Republished Nov. 2.
Roofing, Canvas. William L. Barrell Co. 87,145, July 2, 1912. Republished Nov. 2.

CLASS 13

Chains, Tire. United Co-Operatives, Inc. 385,669, Mar. 11, 1941. Republished Nov. 2.
Fasteners, plates, clamps and rivets. Crescent Belt Fastener Company. 79,107, Aug. 9, 1910. Republished Nov. 2.
Fasteners, plates, clamps, etc. Crescent Belt Fastener Company. 82,212, June 13, 1911. Republished Nov. 2.
Fasteners, plates, clamps, etc. Crescent Belt Fastener Company. 154,911, May 16, 1922. Republished Nov. 2.
Fence, Woven wire, barbed wire, steel posts, etc. United Co-Operatives, Inc. 380,347, Aug. 20, 1940. Republished Nov. 2.
Hydrants, Fire. W. Wood. 157,612, Aug. 8, 1922. Republished Nov. 2.
Pipes and pipe joint fittings, Cast iron. Florence Pipe Foundry & Machine Co. 384,220, Jan. 7, 1941. Republished Nov. 2.
Plates, Belt-fastening, and rivets. Crescent Belt Fastener Company. 102,628, Feb. 16, 1915. Republished Nov. 2.
Screen wire cloth. Gilbert & Bennett Mfg. Co. 410,911, Dec. 26, 1944. Republished Nov. 2.
Screws, Cap, spring center bolts, lock washers, etc. Cleveland Cap Screw Company. 384,512, Jan. 21, 1941. Republished Nov. 2.
Steam specialties. Strong, Carlisle & Hammond Co. 76,802, Feb. 15, 1910. Republished Nov. 2.
Valves and parts thereof, Gate. American Brake Shoe Company. 429,678, May 13, 1947. Republished Nov. 2.
Valves, Gate, check valves, ball check valves, etc. Darling Valve & Manufacturing Company. 154,914, May 16, 1922. Republished Nov. 2.

CLASS 14

Castings, Nickel alloy heat and corrosion resistant. Electro Alloys Company. 412,360, Mar. 6, 1945. Republished Nov. 2.
Copper of various forms, Electrolytic. Union Miniere Du Haut Katanga. 243,378, June 19, 1928. Corrected. O. G. Nov. 2.
Nickel and alloys containing nickel. International Nickel Co. 128,408, Jan. 6, 1920. Republished Nov. 2.
Rods, Switch. American Brake Shoe Company. 422,784, Aug. 13, 1946. Republished Nov. 2.

CLASS 15

Oils and greases, Lubricating, motor oils, gasolines, etc. United Co-Operatives, Inc. 377,904, May 21, 1940. Republished Nov. 2.
Oils, Lubricating, and lubricating greases. Bodie-Hoover Petroleum Corporation. 328,811, Oct. 8, 1935. Republished Nov. 2.
Oils, Lubricating, and lubricating greases. Bodie-Hoover Petroleum Corporation. 380,020, Aug. 6, 1940. Republished Nov. 2.
Oils, Motor lubricating. Standard Oil Company. 196,118, Mar. 10, 1925. Amended. O. G. Nov. 2.

CLASS 16

Carbon black. Grasselli Chemical Company. 244,116, renewed July 10, 1948. O. G. Nov. 2.
Compounds, Water proofing, etc. Southport Paint Company, Inc. 404,659, Dec. 14, 1943. Republished Nov. 2.
Enamels, Liquid. American Varnish Company. 370,603, Aug. 29, 1939. Republished Nov. 2.
Finish and preservative in liquid form, Colorless linoleum. American Varnish Company. 416,991, Oct. 9, 1945. Republished Nov. 2.
Paint enamels. Great Lakes Varnish Works, Inc. 358,529, July 19, 1938. Republished Nov. 2.
Paints and varnishes, Outside and interior, etc. United Co-Operatives, Inc. 380,933, Sept. 10, 1940. Republished Nov. 2.
Paints, Dry, paste paints, ready-mixed paints, etc. Southport Paint Company, Inc. 403,765, Oct. 19, 1943. Republished Nov. 2.
Paints, enamels, lacquers, etc. Wilbur & Williams Company. 410,478, Nov. 28, 1944. Republished Nov. 2.
Paints in dry, paste and ready-mixed form, paint enamels; and varnishes. New Wrinkle, Inc. 399,491, Jan. 12, 1943. Republished Nov. 2.
Paints in paste form. American Varnish Company. 417,315, Oct. 23, 1945. Republished Nov. 2.
Paints, Porch and floor. Blue Ribbon Paint Co. 219,524, Oct. 19, 1926. Republished Nov. 2.
Paints, Ready-mixed. A. Burdsal Company. 433,001, Sept. 23, 1947. Republished Nov. 2.
Paints, Ready-mixed, varnishes, dry colors, etc. M. L. Detourbe. 176,068, renewed Nov. 13, 1943. O. G. Nov. 2.
Paints, Ready-mixed, varnishes, dry colors, etc. M. L. Detourbe. 176,075, renewed Nov. 13, 1943. O. G. Nov. 2.
Polish or gloss. Superla Laboratories, Inc. 246,621, renewed Sept. 11, 1948. O. G. Nov. 2.
Preservative and sealer, Wood. Chemiseal Company. 365,261, Feb. 28, 1939. Republished Nov. 2.
Resins, Synthetic. Ellis-Foster Company. 247,727, renewed Oct. 2, 1948. O. G. Nov. 2.
Varnishes. American Varnish Company. 47,126–7, Oct. 24, 1905. Republished Nov. 2.
Varnishes. American Varnish Company. 47,642, Nov. 14, 1905. Republished Nov. 2.
Varnishes. American Varnish Company. 47,755, Nov. 21, 1905. Republished Nov. 2.
Varnishes. American Varnish Company. 49,960–1, Feb. 27, 1906. Republished Nov. 2.
Varnishes. Great Lakes Varnish Works, Inc. 357,546, June 7, 1938. Republished Nov. 2.
Varnishes, paint enamels, stains, etc. Great Lakes Varnish Works, Inc. 204,034, Oct. 6, 1925. Republished Nov. 2.
Varnishes, paint enamels, stains, etc. Great Lakes Varnish Works, Inc. 207,014, Dec. 15, 1925. Republished Nov. 2.

CLASS 17

Cigarettes. P. Lorillard Company. 238,664, Feb. 14, 1928. Republished Nov. 2.
Cigarettes and smoking tobacco. P. Lorillard Company. 370,325, Aug. 22, 1939. Republished Nov. 2.
Cigarettes and smoking tobacco. P. Lorillard Company. 370,968, Sept. 12, 1939. Republished Nov. 2.
Cigars. A. Kafka & Company, Inc. 331,968, Jan. 28, 1936. Republished Nov. 2.
Smoking tobacco. Desmond's. 407,076, May 16, 1944. Republished Nov. 2.

CLASS 19

Bicycles and structural parts thereof. Huffman Manufacturing Company. 440,223, Aug. 17, 1948. Corrected. O. G. Nov. 2.
Bicycles and structural parts thereof. Huffman Manufacturing Company. 440,225, Aug. 17, 1948. Corrected. O. G. Nov. 2.
Car wheels. American Brake Shoe Company. 410,556, Dec. 5, 1944. Republished Nov. 2.
Velocipedes, scooters, wagons (toy), etc. Weill & Hartmann. 342,586, Jan. 19, 1937. Republished Nov. 2.

CLASS 21

Fans, Electric, fan motors and fan frames. Emerson Electric Manufacturing Company. 111,633, July 25, 1916. Republished Nov. 2.
Generator units, Internal combustion engine-electric, and electric lighting plants. Climax Engineering Company. 416,609, Sept. 25, 1945. Republished Nov. 2.
Insulating tape, Electrical. William E. Wright & Sons Company. 398,738, Nov. 17, 1942. Republished Nov. 2.
Insulation, Built-up mica, flexible insulating sheets, magnet-coils, etc. Chicago Mica Co. 145,060, July 26, 1921. Republished Nov. 2.
Insulation, Electrical. Irvington Varnish & Insulator Co. 122,801, Sept. 17, 1918. Republished Nov. 2.
Motors, Electric. Kimble Electric Company, 181,737, Mar. 25, 1924. Republished Nov. 2.
Radio receiving sets and radio vacuum tubes. M. H. Kranzberg. 428,527, Mar. 25, 1947. Republished Nov. 2.
Reels, Electrical cord take-up. Vacuum Cleaner Corporation of America. 410,926, Dec. 26, 1944. Republished Nov. 2.
Wheels, Trolley, and trolley harps. American Brake Shoe Company. 423,612, Sept. 3, 1946. Republished Nov. 2.
Wire, cables and cords, Insulated electric. American Electric Cable Co. 393,303, Feb. 3, 1942. Republished Nov. 2.

CLASS 22

Baits, Artificial. Creek Chub Bait Company. 242,113, renewed May 15, 1948. O. G. Nov. 2.
Balls, Soft, and base balls. Sporting Goods, Inc. 412,823, Mar. 27, 1945. Republished Nov. 2.
Golf clubs. General Machine Company. 432,884–5, Sept. 16, 1947. Republished Nov. 2.
Toy book, Musical. McLoughlin Bros., Inc. 380,161, Aug. 13, 1940. Republished Nov. 2.
Toy, Paper. McLoughlin Bros., Inc. 370,333, Aug. 22, 1939. Republished Nov. 2.
Velocipedes, scooters, wagons (toy), etc. Weill & Hartmann. 342,586, Jan. 19, 1937. Republished Nov. 2.

CLASS 23

Bottle vending attachments, Coin controlled. Vendo Company. 406,001, Mar. 7, 1944. Republished Nov. 2.
Duplicating machines, Flat bed, gelatine type. Ditto, Incorporated. 398,785, Nov. 24, 1942. Republished Nov. 2.
Earth scrapers, Internal combustion engine driven, electric motor and/or internal combustion engine driven endless belt type conveyors, etc. Meili-Blumberg Corporation. 503,582, Nov. 2; Serial No. 517,917, published July 20, 1948.
Engines, Internal-combustion. Climax Engineering Co. 163,912, Feb. 6, 1923. Republished Nov. 2.
Engines, Internal combustion, pumps. Novo Engine Company. 427,416, Feb. 11, 1947. Republished Nov. 2.
Engines, Marine. Arnolt Motor Division, Arnolt Corporation. 441,227, Nov. 2; Serial No. 523,883, published July 27, 1948.
Footer, knitting and ribbing machines and parts thereof. Fidelity Machine Company. 206,304, Nov. 24, 1925. Republished Nov. 2.
Forks, hoes, rakes. United Co-Operatives, Inc. 373,837, Dec. 26, 1939. Republished Nov. 2.
Gears for bicycles, Variable speed. Sale & Co. (U. S. A.) Inc. 503,591, Nov. 2; Serial No. 526,979, published Aug. 3, 1948.
Ice breakers. North Bro's M'f'g Co. 296,854, Aug. 23, 1932. Republished Nov. 2.
Implement, Unitary, self-propelled. R. G. Le Tourneau, Inc. 441,217, Nov. 2; Serial No. 519,764, published July 27, 1948.
Jacks, Automobile lifting. Dalton Foundries, Inc. 388,727, July 8, 1941. Republished Nov. 2.
Loom pickers. Charles Bond Company. 188,113, Aug. 19, 1924. Republished Nov. 2.
Machinery, Agricultural. Minneapolis-Moline Power Implement Company. 503,602, Nov. 2; Serial No. 528,358, published Aug. 3, 1948.
Machines, Pedal-operated. Globe Tool & Gage Works. 503,593, Nov. 2; Serial No. 527,322, published July 20, 1948.
Milking machines and parts thereof. Babson Bros. Co. 503,596, Nov. 2; Serial No. 527,647, published Aug. 3, 1948.
Motor units, Manually supported. Buckeye Tools Corp. 404,732, Dec. 21, 1943. Republished Nov. 2.
Oilers, Hand-operated pump. Dutton-Lainson Company. 503,578, Nov. 2; Serial No. 506,434, published Aug. 3, 1948.
Opener, Can. Na-Mac Products Corp. 503,618, Nov. 2; Serial No. 531,356, published July 20, 1948.
Plows, plowstocks, hay pressers, etc. A. B. Farquhar Company, Limited. 441,192, Nov. 2; Serial No. 464,414, published July 27, 1948.
Printing presses. Miehle Printing Press & Manufacturing Company. 158,263, Aug. 29, 1922. Republished Nov. 2.
Proportioning apparatus. Proportioneers, Inc. 326,569, July 30, 1935. Republished Nov. 2.
Pumps for proportionally feeding reagents. Proportioneers, Inc. 407,211, May 23, 1944. Republished Nov. 2.
Screw drivers, chucks, drills, etc. North Bro's M'f'g Company. 366,892, May 2, 1939. Republished Nov. 2.
Screw machines, Automatic, hot saws, and timber scribes. Billings & Spencer Company. 399,501, Jan. 12, 1943. Republished Nov. 2.
Shaft couplings. Charles Bond Company. 238,151, Jan. 31, 1928. Republished Nov. 2.
Shaft seals. Rotary Seal Company. 380,559, Aug. 27, 1940. Republished Nov. 2.
Shaver and blades therefor, Electric. Lektron Corporation. 441,201, Nov. 2; Serial No. 507,682, published Apr. 15, 1947.
Slicer for eggs, butter, cheese, and vegetables. G. N. Coughlan Co. 441,199, Nov. 2; Serial No. 504,818, published Aug. 3, 1948.
Spreader tie pullers, pin tools, plate clamp tools, etc. Economy Forms Corporation. 370,498, Aug. 29, 1939. Republished Nov. 2.
Steam specialties. Strong, Carlisle & Hammond Co. 78,215, May 31, 1910. Republished Nov. 2.
Tanks and equipment of the sludge blanket type, Liquid treatment. Graver Tank & Mfg. Co., Inc. 503,686, Nov. 2; Serial No. 542,900, published Aug. 3, 1948.
Taps, dies, die-heads, etc. Geometric Tool Company. 109,724, Apr. 18, 1916. Republished Nov. 2.
Taps, tap chasers, combined taps, etc. Niles-Bement-Pond Company. 503,590, Nov. 2; Serial No. 526,699, published July 20, 1948.
Tongs, Fish, game, and poultry. W. C. Peterson. 441,197, Nov. 2; Serial No. 499,431, published Aug. 3, 1948.
Tools. Reiff & Nestor Company. 228,387, May 31, 1927. Republished Nov. 2.
Tractors, internal combustion engines, power and manually controlled graders, etc. Caterpillar Tractor Co. 345,499, Apr. 27, 1937. Republished Nov. 2.
Turbines, compressors, etc., Steam and gas. Elliott Company. 503,600, Nov. 2; Serial No. 528,198, published Aug. 3, 1948.
Typewriting-machine accessories. Royal Typewriter Company, Inc. 252,665, renewed Feb. 12, 1949. O. G. Nov. 2.
Work heads for machine tools, Adjustable. Delta Manufacturing Company. 409,047, Sept. 12, 1944. Republished Nov. 2.

CLASS 24

Washing machines, Clothes or laundry. Modern Laundry Machine Manufacturing Company. 211,824, Apr. 20, 1926. Republished Nov. 2.

CLASS 25

Locks and latches. Von Duprin Fire Exit Latch Company. 85,021, Jan. 16, 1912. Republished Nov. 2.

CLASS 26

Apparatus for visually observing the flow of a gas from a feeding device. Omega Machine Company. 408,345, Aug. 8, 1944. Republished Nov. 2.
Cameras. Pathe-Cinema, Anciens Etablissements Pathe-Freres. 177,720, renewed Dec. 25, 1943. O. G. Nov. 2.
Films, Motion picture. Metro-Goldwyn Pictures Corporation. 231,203, Aug. 16, 1927. Republished Nov. 2.
Fluid rate of flow meters and controllers. Builders Iron Foundry. 312,245, Apr. 24, 1934. Republished Nov. 2.
Goggles, Industrial safety. Watchemoket Optical Co., Inc. 410,585, Dec. 5, 1944. Republished Nov. 2.
Goggles, Sun, and industrial goggles. Watchemoket Optical Co., Inc. 430,004, June 3, 1947. Republished Nov. 2.
Lenses, Ophthalmic, sun glasses, and lens blanks. Marine Optical Mfg. Co. 359,054, Aug. 2, 1938. Republished Nov. 2.
Meters, Electric flow, and pressure or rate of flow controllers and telemeters. Builders Iron Foundry. 306,069, Sept. 5, 1933. Republished Nov. 2.
Meters, Fluid, and fluid-rate controllers. Builders Iron Foundry. 272,892, July 15, 1930. Republished Nov. 2.
Meters, Mechanical flow. Builders Iron Foundry. 351,655, Nov. 2, 1937. Republished Nov. 2.

Meters, Proportioning. Proportioneers, Inc. 416,912, Oct. 2, 1945. Republished Nov. 2.
Optical frames. Marine Optical Mfg. Co. 385,872, Mar. 18, 1941. Republished Nov. 2.
Optical frames. Marine Optical Mfg. Co. 430,022, June 3, 1947. Republished Nov. 2.
Photo-engraving and photographic chemicals. Chemco Photoproducts Company. 353,510, Jan. 11, 1938. Republished Nov. 2.
Photographic plates, sensitized papers. Pathe-Cinema, Anciens Etablissements Pathe-Freres. 195,026, renewed Feb. 17, 1945. O. G. Nov. 2.
Seismographs, Auricular. Globe Ear-Phone Company. 131,311, May 11, 1920. Republished Nov. 2.

CLASS 27

Watches. Bulova Watch Company, Inc. 431,493, July 22, 1947. Republished Nov. 2.
Watches, watch cases, watch parts, etc. Invicta-Seeland, Inc. 374,586, Jan. 16, 1940. Republished Nov. 2.

CLASS 28

Jewelry. Schein Brothers, Inc. 310,126, Feb. 13, 1934. Republished Nov. 2.
Watches, watch cases, watch parts, etc. Invicta-Seeland, Inc. 374,586, Jan. 16, 1940. Republished Nov. 2.

CLASS 29

Brooms and brushes, Stable. United Co-Operatives, Inc. 380,348, Aug. 20, 1940. Republished Nov. 2.
Brush and comb set, Three-piece. Lactona Incorporated. 501,238, July 27, 1948. Corrected. O. G. Nov. 2.
Brushes, Shaving. Gillette Safety Razor Co. 70,428, re-renewed Sept. 1, 1948. O. G. Nov. 2.

CLASS 31

Ice boxes, electric household refrigerators, low temperature freezers for home use, etc. Refrigeration Systems, Inc. 503,704, Nov. 2; Serial No. 514,909.

CLASS 32

Beds, bed springs, bed slats, etc. Haggard & Marcusson Company. 503,597–8, Nov. 2; Serial Nos. 527,710–11, published Aug. 3, 1948.
Cabinets for tools, Display. Union Tool Company. 503,587, Nov. 2; Serial No. 523,298, published July 27, 1948.
Cabinets, Radio, display counters, display cases, etc. American Fixture and Manufacturing Co. 503,614, Nov. 2; Serial No. 530,895, published Aug. 3, 1948.
Cases and parts thereof, Merchandise display. Columbus Show Case Company. 503,575, Nov. 2; Serial No. 504,821, published July 27, 1948.
Chairs, stools, table tops, etc. Astra Bent Wood Furniture Company. 503,588, Nov. 2; Serial No. 526,523, published Aug. 3, 1948.
Furniture, Bedroom, dining room furniture tables, etc. Henredon Furniture Industries, Inc. 503,630, Nov. 2; Serial No. 531,799, published Aug. 3, 1948.
Furniture, Bedroom, dining-room, living-room, and kitchen. Tennessee Furniture Corporation. 186,490, July 22, 1924. Republished Nov. 2.
Furniture, etc., Metallic. Doehler Metal Furniture Co., Inc. 441,203, Nov. 2; Serial No. 511,203, published Aug. 3, 1948.
Furniture for children. Bruynzeel's Deurenfabriek N. V. 441,224, Nov. 2; Serial No. 522,700, published July 27, 1948.
Furniture, Upholstered. International Furniture Company. 503,634, Nov. 2; Serial No. 532,292, published Aug. 3, 1948.
Mirrors, Wall. Thru' The Looking Glass. 441,202, Nov. 2; Serial No. 510,455, published Aug. 3, 1948.
Pillows and cushions, Air-filled. Aircube, Inc. 503,648, Nov. 2; Serial No. 534,586, published July 27, 1948.

CLASS 34

Controls and regulators, Electric motor-actuated furnace draft and damper. Red Jacket Coal Sales Company. 439,304, June 15, 1948. Corrected. O. G. Nov. 2.
Fans and blowers, heating, ventilating and cooling and air conditioning units. Trade-Wind Motorfans, Inc. 368,986, July 11, 1939. Republished Nov. 2.
Furnace parts, Tuyères and blast. American Brake Shoe Company. 424,628, Oct. 15, 1946. Republished Nov. 2.
Oil burners and parts. Automatic Burner Corporation. 345,513, Apr. 27, 1937. Republished Nov. 2.
Oil burners and parts thereof. Automatic Burner Corporation. 350,907, Oct. 12, 1937. Republished Nov. 2.
Oil burners, Fuel. Automatic Burner Corporation. 429,427, Apr. 29, 1947. Republished Nov. 2.
Ranges, Gas, and combination gas and coal ranges. Crown Stove Works. 278,313, Dec. 16, 1930. Republished Nov. 2.
Ventilators, Gravity roof. United Co-Operatives, Inc. 383,582, Dec. 17, 1940. Republished Nov. 2.

CLASS 35

Belting. Fabreeka Products Company. 381,144, Sept. 10, 1940. Republished Nov. 2.
Hose, Conducting. Goodall Rubber Company. 244,241, July 17, 1928. Republished Nov. 2.
Packing. Q-P Signal Company. 226,864, Apr. 19, 1927. Republished Nov. 2.
Packings, Leather. H. G. Preston. 150,064, Dec. 27, 1921. Republished Nov. 2.
Retainers, Grease and oil. National Motor Bearing Company, Inc. 322,520, Mar. 12, 1935. Republished Nov. 2.
Tires and inner tubes for tires. United Co-Operatives, Inc. 359,876, Aug. 30, 1938. Republished Nov. 2.
Tires, Pneumatic. Goodyear Tire & Rubber Company. 251,857, renewed Jan. 15, 1949. O. G. Nov. 2.

CLASS 36

Piano accordions, chromatic accordions, "German-Style" accordions, etc. A. B. Miller. 252,566, renewed Feb. 12, 1949. O. G. Nov. 2.
Records, Talking-machine and phonograph. General Phonograph Corporation. 243,826, renewed July 3, 1948. O. G. Nov. 2.

CLASS 37

Napkins, Paper. American Tissue Mills. 307,234, Oct. 17, 1933. Republished Nov. 2.
Notebooks and blank books. Rockwell-Barnes Company. 338,144, Sept. 1, 1936. Republished Nov. 2.
Notebooks, blank books, and writing paper. Rockwell-Barnes Company. 365,948, Mar. 21, 1939. Republished Nov. 2.
Paper. S. D. Warren Company. 381,454, Sept. 24, 1940. Republished Nov. 2.
Paper, Corrugated ornamental. American Tissue Mills. 312,059, Apr. 17, 1934. Republished Nov. 2.
Paper for stationery use. Ditto, Incorporated. 340,213, Nov. 3, 1936. Republished Nov. 2.
Paper for writing, typewriting, duplicating, etc. Ditto, Incorporated. 340,214, Nov. 3, 1936. Republished Nov. 2.
Paper for writing, typewriting, duplicating, etc. Ditto, Incorporated. 344,426, Mar. 23, 1937. Republished Nov. 2.
Paper, Interleaving. S. D. Warren Company. 354,100, Feb. 1, 1938. Republished Nov. 2.
Paper, Mimeograph. Rockwell-Barnes Company. 399,028, Dec. 8, 1942. Republished Nov. 2.
Paper, Printing. S. D. Warren Company. 196,823, Mar. 31, 1925. Republished Nov. 2.
Paper, Printing. S. D. Warren Company. 226,322, Apr. 5, 1927. Republished Nov. 2.
Paper, Typewriter, and file folders. Rockwell-Barnes Company. 418,555, Jan. 1, 1946. Republished Nov. 2.
Paper, Writing. Rockwell-Barnes Company. 282,149, Apr. 14, 1931. Republished Nov. 2.
Papers, Crepe, tissue, waxed, and glassine, etc. American Tissue Mills. 307,824, Nov. 7, 1933. Republished Nov. 2.
Papers, Laminated. American Tissue Mills. 307,710, Oct. 31, 1933. Republished Nov. 2.
Papers, Writing. Rockwell-Barnes Company. 380,732, Aug. 27, 1940. Republished Nov. 2.
Pencils, Lead and colored, penholders, rubber bands, etc. Eberhard Faber Pencil Company. 353,132, Dec. 28, 1937. Republished Nov. 2.
Pencils, Lead, colored pencils, copying pencils, crayons, etc. Eberhard Faber Pencil Company. 416,942, Oct. 9, 1945. Republished Nov. 2.
Tissues, napkins, head rest rolls, etc. Marcalus Manufacturing Co., Inc. 372,674, Nov. 7, 1939. Republished Nov. 2.

CLASS 38

Book series published from time to time. Ditto, Incorporated. 346,540, June 1, 1937. Republished Nov. 2.
Booklets. Association of Gray Line Owners. 247,027, renewed Sept. 18, 1948. O. G. Nov. 2.
Books and publications published periodically, Printed. G. W. Adams, et al. 403,487, Sept. 28, 1943. Corrected. O. G. Nov. 2.
Books, Cut-out, published from time to time. McLoughlin Bros., Inc. 393,430, Feb. 17, 1942. Republished Nov. 2.
Books, particularly children's books. Rand McNally and Company. 503,584, Nov. 2; Serial No. 521,928, published July 27, 1948.
Books, Printed. McLoughlin Bros., Inc. 382,541, Oct. 29, 1940. Republished Nov. 2.
Books published from time to time, Series of. McLoughlin Bros., Inc. 374,413, Jan. 9, 1940. Republished Nov. 2.
Books published from time to time, Series of. McLoughlin Bros., Inc. 399,855, Feb. 2, 1943. Republished Nov. 2.
Cards. Printed greeting and display. K. Koehler. 503,677, Nov. 2; Serial No. 540,681, published July 27, 1948.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 374,030, Dec. 26, 1939. Republished Nov. 2.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 374,033–5, Dec. 26, 1939. Republished Nov. 2.

Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 374,037, Dec. 26, 1939. Republished Nov. 2.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 375,030, Feb. 6, 1940. Republished Nov. 2.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 375,066, Feb. 6, 1940. Republished Nov. 2.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 375,653, Feb. 27, 1940. Republished Nov. 2.
Column, Newspaper. Chicago Tribune-New York News Syndicate, Inc. 374,032, Dec. 26, 1939. Republished Nov. 2.
Comic strip in daily newspaper. Christian Science Publishing Society. 503,574, Nov. 2; Serial No. 503,425, published July 27, 1948.
Decalcomania signs. Permalux Company, Inc. 352,859, Dec. 14, 1937. Republished Nov. 2.
Gravure prints. Zeese-Wilkinson Co. Inc. 348,882, Aug. 17, 1937. Republished Nov. 2.
Magazine. Agricultural Leaders' Digest. 441,206, Nov. 2; Serial No. 513,369, published July 27, 1948.
Magazine. Dell Publishing Company, Inc. 503,621, Nov. 2; Serial No. 531,446, published Aug. 3, 1948.
Magazine. J. Hochmann. 441,234, Nov. 2; Serial No. 519,523.
Magazine. National Dental Hygiene Association, Inc. 503,693, Nov. 2; Serial No. 547,755, published July 6, 1948.
Magazine. Union Title Insurance and Trust Company. 441,205, Nov. 2; Serial No. 513,226, published July 27, 1948.
Magazine column. New Yorker Magazine, Inc. 503,688, Nov. 2; Serial No. 543,980, published July 27, 1948.
Magazine, Monthly. International Association High Twelve Clubs. 441,233, Nov. 2; Serial No. 526,237, published July 27, 1948.
Magazine or periodical. H. I. Simons. 503,700, Nov. 2; Serial No. 509,538.
Magazine published monthly. Magazine Publishers, Inc. 321,220, Jan. 22, 1935. Republished Nov. 2.
Magazine published monthly. Magazine Publishers, Inc. 333,379, Mar. 17, 1936. Republished Nov. 2.
Magazine published monthly. Modern Handcraft, Inc. 503,694, Nov. 2; Serial No. 549,826, published July 27, 1948.
Magazine published monthly and at other intervals. Magazine Publishers, Inc. 305,110, Aug. 1, 1933. Republished Nov. 2.
News letters, bulletins, and similar publications. National Coal Association. 441,216, Nov. 2; Serial No. 519,594, published Aug. 3, 1948.
Pamphlets. Z. Freeman. 503,622, Nov. 2; Serial No. 531,459, published Aug. 3, 1948.
Pamphlets, booklets, or leaflets, Series of. Philadelphia Quartz Company. 157,560, Aug. 8, 1922. Republished Nov. 2.
Periodical. French-Stamats Company. 376,511, Mar. 26, 1940. Republished Nov. 2.
Periodicals. American Chemical Society. 503,649, Nov. 2; Serial No. 534,722, published Aug. 3, 1948.
Periodicals. American Chemical Society. 503,650, Nov. 2; Serial No. 534,724, published Aug. 3, 1948.
Periodicals. American Chemical Society. 503,651, Nov. 2; Serial No. 534,726, published Aug. 3, 1948.
Periodicals. Rock-Ola Manufacturing Corporation. 503,684, Nov. 2; Serial No. 541,784, published July 27, 1948.
Photograph embedded in moulded photo frame. Armen, Inc. 503,692, Nov. 2; Serial No. 546,750, published July 27, 1948.
Publication. Arcady Farms Milling Company. 503,573, Nov. 2; Serial No. 486,736, published July 27, 1948.
Publication, Bi-monthly crossword. Harle Publications, Inc. 503,703, Nov. 2; Serial No. 512,331.
Publication issued periodically. American Brake Shoe Company. 410,103–4, Nov. 7, 1944. Republished Nov. 2.
Publication issued periodically. New Wrinkle, Inc. 415,501, Aug. 7, 1945. Republished Nov. 2.
Publication, Monthly. Peters Employment Service. 441,223, Nov. 2; Serial No. 522,419, published July 27, 1948.
Publication, Periodic. Maico Company, Incorporated. 503,707, Nov. 2; Serial No. 532,947.
Publication, Periodical. Pillsbury Mills, Inc. 503,691, Nov. 2; Serial No. 544,760, published July 20, 1948.
Publication, Quarterly. Fawcett Publications, Inc. 503,676, Nov. 2; Serial No. 540,398, published Aug. 3, 1948.
Publications, Periodical. Lewis-Shepard Products, Inc. 503,687, Nov. 2; Serial No. 543,725, published July 27, 1948.
Section appearing regularly in periodical publication. Farm Journal, Inc. 503,657, Nov. 2; Serial No. 535,511, published Aug. 3, 1948.
Textbooks, Series of. Charles E. Merrill Co., Inc. 503,668–9, Nov. 2; Serial Nos. 538,022–3, published July 27, 1948.
Tokens and coupons, Premium. United Profit-Sharing Corporation. 163,766, Jan. 23, 1923. Republished Nov. 2.

CLASS 39

Apparel, Women's. Seamprufe, Incorporated. 441,229, Nov. 2; Serial No. 524,214, published July 20, 1948.
Articles of plastic material for outer wear. P. B. Cow & Co. Limited. 503,660, Nov. 2; Serial No. 535,821, published July 27, 1948.
Bed cover comprising a combination vest and blanket, Infants'. F. Comyns. 503,645, Nov. 2; Serial No. 534,245, published July 27, 1948.
Belts for outer wear. Hewes & Potter, Inc. 242,849, June 5, 1928. Republished Nov. 2.
Blouses and shirts, Women's. C. F. Hathaway Co. 503,643, Nov. 2; Serial No. 533,887, published July 20, 1948.
Blouses and slips and ladies' blouses, slips, panties, etc., Children's. H. M. Zywiecka. 503,680, Nov. 2; Serial No. 540,751, published July 20, 1948.
Brassières. Bonzette Foundations Inc. 503,615, Nov. 2; Serial No. 531,082, published July 20, 1948.
Brassières. E. Leithold. 503,663, Nov. 2; Serial No. 536,590, published July 20, 1948.
Brassières. Muzzy, Inc. 441,218, Nov. 2; Serial No. 520,823, published July 20, 1948.
Brassières. Nuzan Brassiere Co., Inc. 503,685, Nov. 2; Serial No. 542,483, published July 27, 1948.
Brassières, fabric girdle foundations, girdles, etc. Warren Featherbone Co. 503,613, Nov. 2; Serial No. 530,606, published Aug. 3, 1948.
Brassières, fabric girdle foundations, girdles, etc. Warren Featherbone Co. 503,674, Nov. 2; Serial No. 540,356, published Aug. 3, 1948.
Capes, men's and women's coats; children's play coats, hats and capes; bath robes, misses' and ladies' suits and skirts. Boott Mills. 217,729, Sept. 7, 1926. Republished Nov. 2.
Clothing, Men's. William B. Kessler, Inc. 503,632, Nov. 2; Serial No. 532,030, published Aug. 3, 1948.
Clothing, Work. Conro Manufacturing Company, Inc. 441,225, Nov. 2; Serial No. 522,905, published Aug. 3, 1948.
Coats and jackets, Men's, boys', and ladies'. Coberknit Corp. 441,226, Nov. 2; Serial No. 523,224, published Aug. 3, 1948.
Coats, hats, suits, etc. G. Orsianico. 441,200, Nov. 2; Serial No. 505,910, published July 27, 1948.
Coats, Ladies' and misses'. Western Garment Company. 415,988, Aug. 21, 1945. Republished Nov. 2.
Coats, suits, raincoats, gloves, etc., Women's, misses', and children's cloth. Mutual Buying Syndicate, Inc. 503,635, Nov. 2; Serial No. 532,328, published July 27, 1948.
Coats, Women's, misses', and girls'. Philip Shlansky & Bro., Inc. 503,655, Nov. 2; Serial No. 535,348, published July 27, 1948.
Diapers. Raymond Robrer Mills. 441,210, Nov. 2; Serial No. 515,391, published July 20, 1948.
Dresses and frocks, Women's and misses'. Stix, Baer, & Fuller Company. 503,683, Nov. 2; Serial No. 541,716, published July 27, 1948.
Dresses, blouses, and playsuits, Ladies' and misses'. Shelton Casuals. 441,220, Nov. 2; Serial No. 521,032, published June 22, 1948.
Dresses, Children's. Infanette, Inc. 503,666, Nov. 2; Serial No. 537,593, published July 27, 1948.
Dresses for misses and girls. Teen-Timers, Inc. 433,432, Oct. 14, 1947. Republished Nov. 2.
Dresses, Ladies', misses' and children's, coats, dress ensembles. Kenwood Mode, Inc. 376,952, Apr. 9, 1940. Republished Nov. 2.
Dresses, Women's, misses' and girls'. Marie Phillips, Inc. 503,671, Nov. 2; Serial No. 539,083, published July 20, 1948.
Garments, Knitted and textile. Wright's Underwear Corporation. 503,620, Nov. 2; Serial No. 531,411, published July 20, 1948.
Garters, Ladies'. J. C. Penney Company. 247,028, renewed Sept. 18, 1948. O. G. Nov. 2.
Girdles. Lite Manufacturing Co., Inc. 503,682, Nov. 2; Serial No. 540,835, published July 20, 1948.
Girdles, corsets, brassières, etc. Treo Company, Inc. 503,679, Nov. 2; Serial No. 540,740, published July 20, 1948.
Gloves and mittens, Cloth and combination leather and cloth. Milwaukee Glove Company. 236,924, Dec. 27, 1927. Republished Nov. 2.
Gloves and mittens, Work. Belle City Glove Company. 503,675, Nov. 2; Serial No. 540,366, published July 27, 1948.
Hats and suits, Men's and children's. E. I. Singer. 441,219, Nov. 2; Serial No. 520,974, published July 20, 1948.
Hats for ladies and misses. Rosenthal Ackerman Millinery Company. 503,673, Nov. 2; Serial No. 539,567, published July 27, 1948.
Hats for women. Don Marshall & Co. 503,639, Nov. 2; Serial No. 533,185, published July 27, 1948.
Hats, fur coats, fur jackets, Women's. Arnold, Constable & Co., Inc. 503,659, Nov. 2; Serial No. 535,783, published July 27, 1948.
Hats, Men's and boys'. Bee Hat & Cap Co. 503,652, Nov. 2; Serial No. 534,981, published July 27, 1948.

Hats, Men's felt and straw. Rothschild Bros. Hat Company. 503,626, Nov. 2; Serial No. 531,722, published July 27, 1948.
Hats, Women's and misses'. Catalina Hats, Ltd. 503,594, Nov. 2; Serial No. 527,370, published July 27, 1948.
Heel pads and inner sole cushions for shoes. Airfilm Corporation. 373,561, Dec. 12, 1939. Republished Nov. 2.
Hosiery. Bear Brand Hosiery Co. 248,805, Oct. 30, 1928. Republished Nov. 2.
Hosiery. Bear Brand Hosiery Co. 249,741, Nov. 20, 1928. Republished Nov. 2.
Hosiery. Belding Heminway Company. 252,296, renewed Jan. 29, 1949. O. G. Nov. 2.
Hosiery. Bryan Full Fashioned Mills, Inc. 503,604, Nov. 2; Serial No. 528,552, published July 20, 1948.
Hosiery. Burson Knitting Company. 71,429, re-renewed Nov. 24, 1948. O. G. Nov. 2.
Hosiery. Cooper, Wells, & Co. 253,165, renewed Feb. 19, 1949. O. G. Nov. 2.
Hosiery. Elliott Knitting Mills, Inc. 245,847, Aug. 21, 1928. Republished Nov. 2.
Hosiery. Enterprise Stores, Inc. 503,617, Nov. 2; Serial No. 561,200, published Aug. 3, 1948.
Hosiery. Gallenkamp Stores Co. 503,616, Nov. 2; Serial No. 531,105, published July 27, 1948.
Hosiery. Gotham Silk Hosiery Co. Inc. 251,119, renewed Dec. 25, 1948. O. G. Nov. 2.
Hosiery. Le Roi Hosiery Co. Inc. 503,658, Nov. 2; Serial No. 535,573, published Aug. 3, 1948.
Hosiery. Se-Ling Hosiery, Incorporated. 503,606, Nov. 2; Serial No. 528,744, published July 27, 1948.
Hosiery. Spurgeon Hosiery Corporation. 503,647, Nov. 2; Serial No. 534,484, published July 20, 1948.
Hosiery. Stillman Bros. 441,231, Nov. 2; Serial No. 524,750, published Aug. 3, 1948.
Hosiery. Tripletoe Hosiery Company. 503,612, Nov. 2; Serial No. 530,597, published July 20, 1948.
Hosiery, Children's. Le Roi Hosiery Co. Inc. 503,654, Nov. 2; Serial No. 535,165, published Aug. 3, 1948.
Hosiery, Men's and women's. Hoover Hosiery Company. 357,028, May 24, 1938. Republished Nov. 2.
Hosiery, Men's, women's and children's. Alden Mills. 503,627, Nov. 2; Serial No. 531,751, published July 27, 1948.
Hosiery, Women's. Marmode Hosiery Mills, Inc. 441,214, Nov. 2; Serial No. 519,282, published July 27, 1948.
Jackets and knickers, over-alls, snow suits, etc., Boys'. Hecht Co. 441,230, Nov. 2; Serial No. 524,654, published July 20, 1948.
Knitted articles. Bear Brand Hosiery Co. 307,899, Nov. 7, 1933. Republished Nov. 2.
Legging sets, sweaters and jackets, etc., Infant's knitted. Infanta Knitting Mills. 441,196, Nov. 2; Serial No. 495,479, published July 27, 1948.
Nightgowns, slips, bust confining garments, etc., Ladies'. Continental Undergarment Co. Inc. 503,586, Nov. 2; Serial No. 522,885, published Aug. 3, 1948.
Nightgowns, Women's, pajamas, housecoats, and bed jackets, Women's. I. Milgrim Co. 503,667, Nov. 2; Serial No. 537,809, published July 27, 1948.
Outer garments, etc., Men's and boys'. Northbilt Manufacturing Company. 503,611, Nov. 2; Serial No. 530,425, published July 27, 1948.
Overcoats and topcoats, Men's and young men's. C. B. Shane Corporation. 503,577, Nov. 2; Serial No. 506,064, published Aug. 3, 1948.
Overcoats, topcoats, suits, etc., Men's and boys'. Desmond's. 441,194, Nov. 2; Serial No. 479,923, published Feb. 10, 1948.
Overcoats and topcoats, Women's, misses' and juniors'. C. B. Shane Corporation. 503,576, Nov. 2; Serial No. 506,063, published July 27, 1948.
Pajamas and sleeping coats, Men's. M. M. Rothstein. 441,222, Nov. 2; Serial No. 521,468, published July 20, 1948.
Pajamas, Men's and boys'. J. Freezer & Son, Inc. 412,569, Mar. 13, 1945. Republished Nov. 2.
Panties and briefs, Ladies' and kiddies'. Blossom Products Corporation. 425,827, Dec. 3, 1946. Republished Nov. 2.
Pillowcases, Cotton, cotton sheets, and cotton handerchiefs. Ware Shoals Manufacturing Company. 240,780–1, renewed Apr. 10, 1948. O. G. Nov. 2.
Rain shirts. Fishermen's. Hodgman Rubber Company. 503,610, Nov. 2; Serial No. 530,403, published July 20, 1948.
Shirts, Athletic, athletic shorts, and polo shirts. C. C. Valentine & Company, Inc. 503,689, Nov. 2; Serial No. 544,511, published July 20, 1948.
Shirts, Athletic, athletic shorts, and polo shirts. C. C. Valentine & Company, Inc. 503,690, Nov. 2; Serial No. 544,512, published Aug. 3, 1948.
Shirts, Dress, negligee, work and sport, pajamas, polo shirts, etc. Kalamazoo Pant Company. 503,583, Nov. 2; Serial No. 519,196, published July 27, 1948.
Shirts, Men's and boys' dress, negligee, and work. Barnett Bros. 227,352, renewed May 3, 1947. O. G. Nov. 2.
Shirts, Men's and boys' sport casual and outdoor. Sea Island Manufacturing Company, Inc. 503,640, Nov. 2; Serial No. 533,207, published July 20, 1948.
Shirts, Men's dress, negligee and work. J. Freezer & Son, Inc. 384,770, Feb. 4, 1941. Republished Nov. 2.
Shirts, Negligee and dress broadcloth. Desmond's. 253,336, Feb. 26, 1929. Republished Nov. 2.
Shoe soles and heels. Danbury Rubber Company, Inc. 503,641, Nov. 2; Serial No. 533,280, published July 27, 1948.
Shoes. Craddock-Terry Shoe Corporation. 503,628, Nov. 2; Serial No. 531,775, published Aug. 3, 1948.
Shoes and slippers, Children's and misses'. Promenade Shoe Corp. 441,215, Nov. 2; Serial No. 519,447, published July 27, 1948.
Shoes, Tennis. G. R. Kinney Co., Inc. 319,560, Nov. 27, 1934. Republished Nov. 2.
Slacks, pants, and jackets, Men's and women's. Freeman Manufacturing Co. Inc. 441,213, Nov. 2; Serial No. 518,076, published July 27, 1948.
Sleeping garments, Men's, women's and children's one and two piece. Wright's Underwear Corporation. 503,619, Nov. 2; Serial No. 531,410, published July 20, 1948.
Slips. Industrial Undergarment Corporation. 345,102, Apr. 13, 1937. Republished Nov. 2.
Slips, panties, nightgowns, etc. Roseda, Inc. 503,636, Nov. 2; Serial No. 532,637, published Aug. 3, 1948.
Slacks, coats, suits, etc., Boys' and young men's. Hoffenberg & Co., Inc. 503,642, Nov. 2; Serial No. 533,742, published Aug. 3, 1948.
Suits, Ladies' and misses'. Diamond & Baum, Inc. 441,209, Nov. 2; Serial No. 514,527, published July 27, 1948.
Suits, Women's and misses', coats, dresses, etc. Blum Store. 503,681, Nov. 2; Serial No. 540,766, published July 20, 1948.
Supporters, Hose. Associated Merchandising Corporation. 252,393, renewed Feb. 5, 1949. O. G. Nov. 2.
Supports, Men's abdominal. Supports, Inc. 441,228, Nov. 2; Serial No. 524,025, published July 20, 1948.
Sweaters, bathing suits, sports, work, and negligee shirts, etc. O'Shea Knitting Mills. 157,555, Aug. 8, 1922. Republished Nov. 2.
Sweaters, Ladies'. Pencer Knitting Mills Ltd. 441,208, Nov. 2; Serial No. 514,241, published July 20, 1948.
Sweaters, Ladies' and misses' knitted sports, and two piece knitted dresses. Select Sportswear, Inc. 394,812, Apr. 28, 1942. Republished Nov. 2.
Sweaters, Men's and boys'. Revere Knitting Mills, Inc. 399,233, Dec. 22, 1942. Republished Nov. 2.
Undergarments, Women's. H. S. Petticoat Company, Incorporated. 503,678, Nov. 2; Serial No. 540,707, published July 27, 1948.
Underwear for the use of men, women, and children, and sweaters. C. Zilberg. 363,643, Jan. 3, 1939. Republished Nov. 2.
Underwear, slips, night gowns, etc., Women's. Arkwright Merchandising Corporation. 503,646, Nov. 2; Serial No. 534,407, published July 20, 1948.
Wearing apparel, Children's outer. Tri-Parel Corporation. 503,672, Nov. 2; Serial No. 539,460, published July 27, 1948.
Wearing apparel, Feminine. Rainbow Shops, Inc. 404,260, Nov. 16, 1943. Republished Nov. 2.

CLASS 40

Needles, Knitting. C. J. Bates & Son. 397,698, Sept. 15, 1942. Republished Nov. 2.

CLASS 41

Umbrellas. J. C. Penney Company. 247,033, renewed Sept. 18, 1948. O. G. Nov. 2.
Umbrellas. J. C. Penney Company. 248,432, renewed Oct. 23, 1948. O. G. Nov. 2.

CLASS 42

Cloth, Silk and artificial silk. S. J. Aronsohn, Inc. 356,849, May 10, 1938. Republished Nov. 2.
Denims in the piece. Erwin Cotton Mills Company. 280,538, Feb. 17, 1931. Republished Nov. 2.
Duck. William L. Barrell Co. 84,895, Jan. 9, 1912. Republished Nov. 2.
Duck, Flame resistant, waterproof cotton. William L. Barrell Company, Inc. 348,503, July 27, 1937. Republished Nov. 2.
Duck in the piece, Cotton. William L. Barrell Co. of New York, Inc. 246,969, renewed Sept. 18, 1948. O. G. Nov. 2.
Fabric, Artificial silk. Societe Rhodiaceta. 179,750, renewed Feb. 12, 1944. O. G. Nov. 2.
Fabric in the piece, dyed and finished, Cotton. William L. Barrell Company, Inc. 348,483, July 27, 1937. Republished Nov. 2.
Fabrics, Cotton. William L. Barrell Company. 313,831, June 12, 1934. Republished Nov. 2.
Fabrics dyed and waterproofed, High count, light weight cotton. William L. Barrell Company, Inc. 346,781, June 8, 1937. Republished Nov. 2.
Fabrics dyed and waterproofed, High count, light weight cotton. William L. Barrell Company, Inc. 346,995, June 15, 1937. Republished Nov. 2.
Fabrics in the piece, Cotton. William L. Barrell Co. Inc. 303,335, May 23, 1933. Republished Nov. 2.
Fabrics in the piece, Rayon, acetate, and silk. M. Weiner. 361,863, Nov. 1, 1938. Republished Nov. 2.
Fabrics in the piece, Waterproofed cotton. William L. Barrell Company, Inc. 348,932, Aug. 17, 1937. Republished Nov. 2.

Fabrics in the piece, Water-repellent cloth. William L. Barrell Company, Inc. 352,414, Nov. 30, 1937. Republished Nov. 2.
Fabrics, Water-proofed. William L. Barrell Co., Inc. 305,210, Aug. 8, 1933. Republished Nov. 2.
Fabrics, Woolen. Alexander Woolen Co. 280,448, Feb. 17, 1931. Republished Nov. 2.
Piece goods. S. J. Aronsohn, Inc. 346,111, May 18, 1937. Republished Nov. 2.
Piece goods. William L. Barrell Company, Inc. 366,057, Mar. 28, 1939. Republished Nov. 2.
Piece goods. M. Weiner. 423,530, Sept. 3, 1946. Republished Nov. 2.
Piece goods, Cotton. William L. Barrell Company. 328,699, Oct. 1, 1935. Republished Nov. 2.
Piece goods, Cotton. William L. Barrell Company. 338,250, Sept. 1, 1936. Republished Nov. 2.
Piece goods, Cotton. William L. Barrell Company, Inc. 302,331, Apr. 11, 1933. Republished Nov. 2.
Piece goods, Cotton. Wm. L. Barrell Co. Inc. 308,261, Nov. 28, 1933. Republished Nov. 2.
Piece goods, Cotton. William L. Barrell Company, Inc. 378,318, June 4, 1940. Republished Nov. 2.
Piece goods, Cotton and rayon. Concord Fabrics. 384,288, Jan. 14, 1941. Republished Nov. 2.
Piece goods, Silk, rayon, cotton and woolen. Burgess Fabrics Corporation. 413,270, Apr. 17, 1945. Republished Nov. 2.
Piece goods, Textile, of rayon, acetate and/or silk. M. Weiner. 361,515, Oct. 18, 1938. Republished Nov. 2.
Piece goods, Woolen. Alexander Woolen Co. 342,258–60, Jan. 12, 1937. Republished Nov. 2.
Piece goods, Woolen. Alexander Woolen Co. 367,613, May 23, 1939. Republished Nov. 2.
Pillow cases and cotton sheets, Cotton. Ware Shoals Manufacturing Company. 245,891, renewed Aug. 28, 1948. O. G. Nov. 2.
Pillowcases, Cotton, cotton sheets, and cotton handerchiefs. Ware Shoals Manufacturing Company. 240,780–1, renewed Apr. 10, 1948. O. G. Nov. 2.
Ribbons, Hank. William E. Wright & Sons Company. 382,118, Oct. 15, 1940. Republished Nov. 2.
Rugs, Amsterdam Textiles. 389,811, Aug. 19, 1941. Republished Nov. 2.
Rugs and carpets. Hugh Nelson Columbia Carpet Mills. 188,999, Sept. 9, 1924. Republished Nov. 2.
Scrim, Cotton or cotton and rayon. Boott Mills. 242,330, May 22, 1928. Republished Nov. 2.
Suitings, Cotton. William L. Barrell Company. 307,274, Oct. 24, 1933. Republished Nov. 2.
Suitings, Cotton. William L. Barrell Company. 333,131, Mar. 10, 1936. Republished Nov. 2.
Suitings, Cotton. William L. Barrell Company. 334,132, Apr. 21, 1926. Republished Nov. 2.
Textile fabrics. S. J. Aronsohn, Inc. 210,798, Mar. 23, 1926. Republished Nov. 2.
Textile fabrics. Etablissements Chané & Dumail. 193,530, renewed Dec. 30, 1944. O. G. Nov. 2.
Textile fabrics. M. Weiner. 335,032, May 19, 1936. Republished Nov. 2.
Textile fabrics. M. Weiner. 341,476, Dec. 8, 1936. Republished Nov. 2.
Textile fabrics. M. Weiner. 346,959, June 15, 1937. Republished Nov. 2.
Textile fabrics in the piece. Concord Fabrics. 379,281, July 9, 1940. Republished Nov. 2.
Textile fabrics in the piece. Concord Fabrics. 379,930, July 30, 1940. Republished Nov. 2.
Toweling and hand and bath towels. Boott Mills. 259,629, Aug. 6, 1929. Republished Nov. 2.
Towels, bureau scarves, dresser scarves, etc. Artmart Linen Co., Inc. 397,707, Sept. 15, 1942. Republished Nov. 2.

CLASS 44

Denture base material, Acrylic. Motloid Co., Inc. 503,705, Nov. 2; Serial No. 516,712.
Eyecups. K. F. Eweson. 414,159, May 29, 1945. Republished Nov. 2.
Investment compounds of a ceramic nature. Kerr Dental Manufacturing Company. 432,817, Sept. 16, 1947. Republished Nov. 2.
Manicure implements. C. J. Bates & Son. 426,171, Dec. 17, 1946. Republished Nov. 2.
Prophylactic rubber articles. L. Hilsenbeck, Inc. 252,783, renewed Feb. 12, 1949. O. G. Nov. 2.
Sanitary napkins, sanitary shadow skirts, sanitary aprons, etc. Associated Merchandising Corporation. 252,667, renewed Feb. 12, 1949. O. G. Nov. 2.

CLASS 45

Beverages, Carbonated. M. I. Katz. 199,045, June 2, 1925. Republished Nov. 2.
Beverages, Non-alcoholic. Country Club Soda Company, Inc. 348,465, July 27, 1937. Republished Nov. 2.
Beverages, Non-alcoholic maltless. Booth Bottling Company Inc. 503,595, Nov. 2; Serial No. 527,461, published July 20, 1948.
Beverages, Nonalcoholic maltless. "J. C." Company, Inc. 384,378, Jan. 14, 1941. Republished Nov. 2.
Beverages, Non-alcoholic maltless. Mr. Newport, Inc. 380,441, Aug. 20, 1940. Republished Nov. 2.
Beverages, Nonalcoholic maltless. Uncle Jo Company. 503,603, Nov. 2; Serial No. 528,384, published Aug. 3, 1948.
Beverages, Nonalcoholic maltless. Variety Club Beverage Co. 503,644, Nov. 2; Serial No. 534,209, published July 20, 1948.
Beverages, Non-alcoholic, maltless, and concentrates for making the same. National Fruit Flavor Company, Inc. 503,631, Nov. 2; Serial No. 531,820, published Aug. 3, 1948.
Beverages sold as soft drinks, Nonalcoholic. Country Club Soda Company, Inc. 377,512, May 7, 1940. Republished Nov. 2.
Ginger ale. Jackson Brewing Company. 205,123, Nov. 3, 1925. Republished Nov. 2.
Grape juice. Pleasant Valley Wine Company. 240,568, Apr. 3, 1928. Republished Nov. 2.
Soft drink, Maltless. Fontenelle Springs, Inc. 503,661, Nov. 2; Serial No. 535,946, published Aug. 3, 1948.
Soft drinks and carbonated waters, Maltless. Suburban Club Carbonated Beverage Co., Inc. 503,653, Nov. 2; Serial No. 535,094, published Aug. 3, 1948.
Syrup, Chocolate flavored. J. Hungerford Smith Co. 503,637, Nov. 2; Serial No. 533,065, published July 20, 1948.

CLASS 46

Almonds, raisins and mints, Chocolate covered. Chasers, Inc. 422,397, July 23, 1946. Republished Nov. 2.
Apples, Fresh, fresh bananas, dried beans, etc. Hobbs-Parsons Co. 244,072, renewed July 10, 1948. O. G. Nov. 2.
Baking powder. H. C. Brill, Inc. 252,141, renewed Jan. 22, 1949. O. G. Nov. 2.
Bread. Fisher Brothers Company. 236,758, Dec. 20, 1927. Republished Nov. 2.
Breakfast food, Cereal. Georgie Porgie Company. 256,740, May 21, 1929. Republished Nov. 2.
Cakes, rolls, bread, etc. Happiness Bakeries, Inc. 247,080, renewed Sept. 18, 1948. O. G. Nov. 2.
Candy. Golden Nugget Sweets Ltd. 503,592, Nov. 2; Serial No. 527,037, published Aug. 3, 1948.
Canned citrus fruits and canned citrus fruit juices. Floriorange Canneries, Inc. 299,716, Dec. 20, 1932. Republished Nov. 2.
Canned corn. Seeman Brothers, Inc. 260,958, Sept. 3, 1929. Republished Nov. 2.
Canned fish. Italian Food Products Company, Inc. 302,108, Mar. 28, 1933. Republished Nov. 2.
Canned fruit juices. Hawaiian Pineapple Company, Ltd. 387,468, May 20, 1941. Republished Nov. 2.
Canned fruits. Hawaiian Pineapple Company, Ltd. 224,558, Mar. 1, 1927. Republished Nov. 2.
Canned fruits. F. G. Wool Packing Company. 179,982, Feb. 19, 1924. Republished Nov. 2.
Canned fruits and vegetables. Franklinville Canning Co. 69,626, June 23, 1908. Republished Nov. 2.
Canned fruits and vegetables. Albert W. Sisk & Son. 198,770, May 26, 1925. Republished Nov. 2.
Canned fruits and vegetables, salmon, hominy, etc. M. O'Connor and Company. 115,377, Feb. 6, 1917. Republished Nov. 2.
Canned fruits, berries, vegetables. Western Oregon Packing Corporation. 398,820, Nov. 24, 1942. Republished Nov. 2.
Canned fruits, canned vegetables, canned fish, etc. Wurm Brothers Company. 347,241, June 22, 1937. Republished Nov. 2.
Canned lima beans. Seeman Brothers, Inc. 352,293, Nov. 23, 1937. Republished Nov. 2.
Canned mackerel. West Coast Packing Corporation. 384,498, Jan. 21, 1941. Republished Nov. 2.
Canned peaches, canned apricot, canned Hawaiian pineapple, etc. M. O'Connor and Co. 117,907, Aug. 7, 1917. Republished Nov. 2.
Canned pineapple. Hawaiian Pineapple Company, Ltd, 151,797, Feb. 14, 1922. Republished Nov. 2.
Canned pineapple. Hawaiian Pineapple Company, Ltd. 151,800, Feb. 14, 1922. Republished Nov. 2.
Canned pineapple. Hawaiian Pineapple Company, Ltd. 307,579, Oct. 31, 1933. Republished Nov. 2.
Canned pineapple. Rival Foods, Inc. 329,455, Oct. 29, 1935. Republished Nov. 2.
Canned pineapple and canned pineapple juice. Hawaiian Pineapple Company, Ltd. 368,096, June 6, 1939. Republished Nov. 2.
Canned pineapple juice. Hawaiian Pineapple Company, Ltd. 304,455, July 11, 1933. Republished Nov. 2.
Canned salmon. P. E. Harris & Co. 117,139, June 19, 1917. Republished Nov. 2.
Canned sardines. A/S Einar Hausvik & Co. 182,333, renewed Apr. 8, 1944. O. G. Nov. 2.
Canned tuna. Italian Food Products Company, Inc. 267,843, Mar. 4, 1930. Republished Nov. 2.
Canned vegetables. Burnham & Morrill Co. 220,903, Nov. 16, 1926. Republished Nov. 2.
Canned vegetables. Middlesex Wholesale Grocery Co. 347,123, June 15, 1937. Republished Nov. 2.
Canned vegetables. Weis Pure Food Stores. 378,140, May 28, 1940. Republished Nov. 2.
Cantaloup. S. A. Gerrard. 113,721, Oct. 31, 1916. Republished Nov. 2.
Cereals for the feeding of infants and young children, Specially prepared. American Home Foods, Inc. 503,670, Nov. 2; Serial No. 538,224, published Aug. 3, 1948.

Cheese. Zausner Foods Inc. 503,624, Nov. 2; Serial No. 531,571, published Aug. 3, 1948.
Chocolates and all kinds of candies. S. D. Gilman. 74,451, July 13, 1909. Republished Nov. 2.
Coffee. Fisher Brothers Company. 237,133, Jan. 3, 1928. Republished Nov. 2.
Coffee, Green. J. Aron & Company, Inc. 248,901–2, renewed Nov. 6, 1948. O. G. Nov. 2.
Confections, Frozen. John M. Bernards & Sons, Inc. 503,633, Nov. 2; Serial No. 532,113, published July 27, 1948.
Confections, Pop-corn. O. L. Hawkins. 248,935, renewed Nov. 6, 1948. O. G. Nov. 2.
Feed, Poultry. Edwards & Loomis Co. 102,330, Feb. 9, 1915. Republished Nov. 2.
Feed, Poultry. Hales & Hunter Co. 352,683, Dec. 7, 1937. Republished Nov. 2.
Feeds, Dog and fox. Allied Mills, Inc. 503,599, Nov. 2; Serial No. 528,164, published Aug. 3, 1948.
Feeds for cattle, dairy animals, poultry, etc. Consolidated Flour Mills Company. 503,609, Nov. 2; Serial No. 530,061, published Aug. 3, 1948.
Feeds, Mixed-grain. Hales & Edwards Company. 132,402, June 22, 1920. Republished Nov. 2.
Feeds, poultry mash feeds, Mixed-grain. Edwards & Loomis Co. 105,721, Aug. 17, 1915. Republished Nov. 2.
Flour, Cake. Miner-Hillard Milling Company. 199,417, June 9, 1925. Republished Nov. 2.
Flour, Rye. Bay State Milling Co. 503,589, Nov. 2; Serial No. 526,624, published Aug. 3, 1948.
Flour, Rye, wheat and buckwheat. Barber & Bennett. 95,863, Mar. 24, 1914. Republished Nov. 2.
Flour, Self-rising. Blish Milling Company. 244,436, July 17, 1928. Republished Nov. 2.
Flour, Self-rising wheat. Blish Milling Company. 240,487, Mar. 27, 1928. Republished Nov. 2.
Flour, Self-rising wheat. Blish Milling Company. 241,093, Apr. 17, 1928. Republished Nov. 2.
Flour, Self-rising wheat. Blish Milling Company. 241,156, Apr. 17, 1928. Republished Nov. 2.
Flour, Self-rising wheat. Blish Milling Company. 242,333, May 22, 1928. Republished Nov. 2.
Flour, Wheat. Blish Milling Company. 240,488, Mar. 27, 1928. Republished Nov. 2.
Flours, Wheat. Pillsbury Mills Inc. 441,193, Nov. 2; Serial No. 479,142, published Aug. 3, 1948.
Food, Dog. Champion Animal Food Company. 503,605, Nov. 2; Serial No. 528,554, published Aug. 3, 1948.
Food, Dog. Old Trusty Dog Food Company. 252,250, renewed Jan. 29, 1949. O. G. Nov. 2.
Fruits, Dried. Ross Packing Co., Inc. 326,915, Aug. 13, 1935. Republished Nov. 2.
Fruits, Fresh. D. Nicholson. 412,712, Mar. 20, 1945. Republished Nov. 2.
Fruits, Fresh citrus. Irvine Valencia Growers. 251,277, renewed Jan. 1, 1949. O. G. Nov. 2.
Fruits, Fresh citrus. Irvine Valencia Growers. 252,221, renewed Jan. 29, 1949. O. G. Nov. 2.
Fruits, Fresh citrus. Mutual Orange Distributors. 503,623, Nov. 2; Serial No. 531,502, published Aug. 3, 1948.
Fruits, Fresh citrus. Polis & Hagan. 378,504, June 11, 1940. Republished Nov. 2.
Fruits, Fresh citrus, fresh peaches, fresh melons. Corn & Ware. 300,375, Jan. 17, 1933. Republished Nov. 2.
Fruits, Fresh deciduous, fresh citrus fruits, fresh melons. Corn & Ware. 284,885, July 7, 1931. Republished Nov. 2.
Fruits, Fresh deciduous, vegetables, grapes and melons. S. A. Gerrard Co. 356,713, May 10, 1938. Republished Nov. 2.
Gelatin dessert preparation. Paxton & Gallagher Co. 236,760, Dec. 20, 1927. Republished Nov. 2.
Glycerol derivative of hydrogenated vegetable oil. Swift & Company. 441,204, Nov. 2; Serial No. 512,542, published Aug. 3, 1948.
Grapes, Fresh. R. H. Dart. 240,515, Mar. 27, 1928. Republished Nov. 2.
Mayonnaise, thousand island dressing, sandwich spread, etc. Paxton & Gallagher Co. 236,902, Dec. 27, 1927. Republished Nov. 2.
Milk, Unsweetened evaporated. Challenge Cream & Butter Association. 251,608, renewed Jan. 8, 1949. O. G. Nov. 2.
Pickles, jams, jellies, mincemeat, etc. Famous Virginia Foods, Inc. 441,232, Nov. 2; Serial No. 525,812, published Aug. 3, 1948.
Potatoes. L. S. Taube & Co. 441,212, Nov. 2; Serial No. 516,107, published Aug. 3, 1948.
Rice. Southern Rice Sales Company, Inc. 265,432, Dec. 24, 1929. Republished Nov. 2.
Rice. Southern Rice Sales Co., Inc. 347,074, June 15, 1937. Republished Nov. 2.
Salad oil. W. B. Cassell Co. 441,198, Nov. 2; Serial No. 504,251, published Aug. 3, 1948.
Salad oil. W. F. Straub Laboratories, Inc. 258,301, July 2, 1929. Republished Nov. 2.
Sandwiches, Packaged. Man-Ca, Inc. 441,221, Nov. 2; Serial No. 521,081, published Aug. 3, 1948.
Sardines and canned fish. Strohmeyer & Arpe Company. 69,365, June 9, 1908. Republished Nov. 2.
Sauce or seasoning for meat, fish, soup, and the like. Seeman Brothers, Inc. 339,801, Oct. 20, 1936. Republished Nov. 2.
Sausage made from pork, Fresh. P. D. Gwaltney, Jr., & Co., Inc. 503,579, Nov. 2; Serial No. 507,722, published Aug. 3, 1948.
Shortening made from vegetable oils. Homko Co. 503,607–8, Nov. 2; Serial Nos. 529,646–7, published Aug. 3, 1948.
Soya sauce, food sauce, etc. Kuster Laboratories, Ltd. 441,211, Nov. 2; Serial No. 515,483, published Aug. 3, 1948.
Spread for bread. Churngold Corporation. 412,638, Mar. 20, 1945. Republished Nov. 2.
Syrups and molasses, Table. J. Stromeyer Company. 503,580, Nov. 2; Serial No. 510,128, published Aug. 3, 1948.
Tea, Green, pekoe and orange pekoe black tea, whole mixed spices, etc. Great American Tea Company. 503,601, Nov. 2; Serial No. 528,346, published Aug. 3, 1948.
Vegetable product. Fleischmann Company. 251,501, renewed Jan. 2, 1949. O. G. Nov. 2.
Vegetables, Fresh. H. Y. Minami & Sons. 374,790, Jan. 23, 1940. Republished Nov. 2.
Vegetables, Fresh. Cy Ramage. 503,706, Nov. 2; Serial No. 529,822.
Vegetables, Fresh, fresh deciduous fruits, fresh grapes, etc. Standlee & Bryant. 256,931, May 28, 1929. Republished Nov. 2.
Wafers, biscuits, crackers, etc. Perfection Biscuit Company. 70,629, re-renewed Sept. 15, 1948. O. G. Nov. 2.
Wieners, Cooked and smoked, cooked and smoked luncheon meat, cooked minced sausage, etc. Cleveland Provision Company. 154,516, Apr. 18, 1922. Republished Nov. 2.

CLASS 47

Wines. Cresta Blanca Wine Company, Inc. 503,656, Nov. 2; Serial No. 535,491, published Aug. 3, 1948.

CLASS 48

Beer. Falls City Brewing Co., Inc. 503,629, Nov. 2; Serial No. 531,781, published Aug. 3, 1948.
Beer. Rhinelander Brewing Company. 503,585, Nov. 2; Serial No. 522,128, published July 20, 1948.
Beer. A. Schreiber Brewing Company. 117,611, July 17, 1917. Republished Nov. 2.
Beer and ale. Esslinger's, Inc. 503,638, Nov. 2; Serial No. 533,152, published July 20, 1948.
Beer and ale. Star Beverage Company. 333,956, Apr. 14, 1936. Republished Nov. 2.
Beverages, Malt. Burger Brewing Company. 503,625, Nov. 2; Serial No. 531,646, published July 27, 1948.
Beverages, Malt. Loewer's Brewery Company. 503,662, Nov. 2; Serial No. 536,106, published Aug. 3, 1948.
Beverages, Malt. Star Beverage Company. 333,953, Apr. 14, 1936. Republished Nov. 2.

CLASS 49

Beverages, Potable, distilled, spiritous. Elverson Distilling Company, Inc. 503,665, Nov. 2; Serial No. 537,577, published Aug. 3, 1948.
Brandies, Fruit. R. U. Delapenha & Co., Inc. 503,581, Nov. 2; Serial No. 514,106, published July 27, 1948.
Fruit flavoring and comestible acid solution, Combination of. One-Two-Three Company, Inc. 441,195, Nov. 2; Serial No. 493,819, published Aug. 3, 1948.
Whiskey. "Big 4" Distilleries, Inc. 322,072, Feb. 26, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 310,151, Feb. 13, 1934. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 311,037, Mar. 13, 1934. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 311,039–42, Mar. 13, 1934. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 313,805–6, June 12, 1934. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 316,673–4, Sept. 4, 1934. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 318,963–4, Nov. 6, 1934. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 318,969, Nov. 6, 1934. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 319,611, Dec. 4, 1934. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 319,859–64, Dec. 4, 1934. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 319,867, Dec. 4, 1934. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 321,125, Jan. 22, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 321,131–2, Jan. 22, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 321,140, Jan. 22, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 321,142, Jan. 22, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 321,213, Jan. 22, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 321,216, Jan. 22, 1935. Republished Nov. 2.

Whiskey. Continental Distilling Corporation. 321,219, Jan. 22, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 321,487–8, Feb. 5, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 321,507–8, Feb. 5, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 321,512, Feb. 5, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 321,513–14, Feb. 5, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 322,063, Feb. 26, 1935. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 335,137, May 26, 1936. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 339,907, Oct. 27, 1936. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 343,790, Mar. 9, 1937. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 349,721, Aug. 31, 1937. Republished Nov. 2.
Whiskey. Continental Distilling Corporation. 376,997, Apr. 16, 1940. Republished Nov. 2.
Whiskey. Country Club Soda Company, Inc. 337,940, Aug. 25, 1936. Republished Nov. 2.
Whiskey. J. C. Millett Co. 342,372, Jan. 12, 1937. Republished Nov. 2.
Whisky. New Tomatin Distillers Company Limited. 316,804, Sept. 4, 1934. Republished Nov. 2.

CLASS 50

Fabric coverings, Sound and moisture absorbing and cold retaining. Fidelity Machine Company. 412,255, Feb. 27, 1945. Republished Nov. 2.
Plates, Printing. Zeese-Wilkinson Co., Inc. 340,239, Nov. 3, 1936. Republished Nov. 2.

CLASS 55

Electrical installations, Engineering and contracting services for household, commercial, and industrial, etc. M. L. Klein. 503,697, Nov. 2; Serial No. 530,516, published July 27, 1948.
Small loan, instalment loan, and instalment credit business, Services rendered in the. Beneficial Industrial Loan Corporation. 503,695, Nov. 2; Serial No. 527,274, published Aug. 3, 1948.
Small loan, instalment loan, and instalment credit business, Services rendered in the. Beneficial Industrial Loan Corporation. 503,696, Nov. 2; Serial No. 527,277, published July 27, 1948.
Welding, erection, and maintenance of steel structures, and laying and maintenance of pipe lines, Industrial. Hallen Company, Inc. 503,698, Nov. 2; Serial No. 531,207, published July 27, 1948.

LIST OF PLANT PATENTEES

Tuttle Bros., Nurseries, assignee: *See*—
Tuttle, Leslie A.
Tuttle, Harvy E., assignee: *See*—
Tuttle, Leslie A.

Tuttle, Leslie A., assignor to Tuttle Bros., Nurseries, Pasadena, Calif., a partnership composed of L. A. and H. E. Tuttle. Rose plant. 810, Nov. 2.

LIST OF DESIGN PATENTEES

Amereel Corporation, assignee: *See*—
Goldmann, Jack M.
Appell, Lewis and N., New York, N. Y. Occasional table. 151,578, Nov. 2.
Appell, Lewis and N., New York, N. Y. Occasional table. 151,579, Nov. 2.
Appell, Nathaniel: *See*—
Appell, Lewis and N.
Ash, Charles S., Milford, Mich. Motor vehicle cab. 151,580, Nov. 2.
Barofsky, Jack, Los Angeles, Calif. Casing for a piano or similar article. 151,581, Nov. 2.
Bates, Jesse H., Wauwatosa, Wis. Child's cart. 151,582, Nov. 2.
Beck, Derwood A., Seville, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Airplane. 151,583, Nov. 2.
Bell, Sidney R., Stamford, Conn., assignor to I. J. Moritt, Brooklyn, N. Y. Head for a portable sewing machine. 151,584, Nov. 2.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Dreyfuss, Henry.
Borg-Warner Corporation, assignee: *See*—
Ingersoll, Roy C.
Bromberg, Louis, Rockaway Park, N. Y. Piano. 151,585, Nov. 2.
Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Table. 151,586, Nov. 2.
Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Sofa. 151,587, Nov. 2.
Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Night table. 151,588, Nov. 2.
Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Dresser. 151,589, Nov. 2.
Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Dressing table. 151,590, Nov. 2.
Bunn, Robert D., and B. L. Hayes, Asheville, N. C. Shoe heel. 151,591, Nov. 2.
Burton, William, River Forest, assignor to United Wallpaper, Inc., Chicago, Ill. Wallpaper or the like. 151,592, Nov. 2.
Burton, William, River Forest, assignor to United Wallpaper, Inc., Chicago, Ill. Wallpaper or the like. 151,593, Nov. 2.
Burton, William, River Forest, assignor to United Wallpaper, Inc., Chicago, Ill. Wallpaper or the like. 151,594, Nov. 2.
Burton, William, River Forest, assignor to United Wallpaper, Inc., Chicago, Ill. Wall-paper or the like. 151,595, Nov. 2.
Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 151,596, Nov. 2.
Carl-Art, Inc., assignee: *See*—
Demmler, Eugene.
Clark, Earle W., assignor to Keeler Brass Company, Grand Rapids, Mich. Clip for mirrors or glass panels. 151,597, Nov. 2.
Coca-Cola Company, The, assignee: *See*—
Naiden, Anthony.
Cohn, Julius, New York, N. Y. Adjustable brassière. 151,598, Nov. 2.
Colm, Jack, New York, N. Y. Toy rattle or similar article. 151,599, Nov. 2.
Colm, Jack, New York, N. Y. Toy rattle or similar article. 151,600, Nov. 2.
Cotnareanu, Leon, New York, N. Y., assignor to Coty, Inc. Perfume bottle holder or similar article. 151,601, Nov. 2.
Coty, Inc., assignee: *See*—
Cotnareanu, Leon.
De Mattio, Carl V., Rockford, Ill. Game board. 151,602, Nov. 2.
Demmler, Eugene, Providence, R. I., assignor to Carl-Art, Inc. Bracelet. 151,603, Nov. 2.
Denney, Alfred, Los Angeles, Calif. Coupler for towing vehicles. 151,604, Nov. 2.
Dolan, Tom, Berwyn, assignor to Standard Business Machines Company, Chicago, Ill. Desk lamp. 151,605, Nov. 2.
Drell, William, New York, N. Y. Button or similar article. 151,606, Nov. 2.
Drell, William, New York, N. Y. Button or similar article. 151,607, Nov. 2.
Drell, William, New York, N. Y. Button or similar article. 151,608, Nov. 2.
Drell, William, New York, N. Y. Button or similar article. 151,609, Nov. 2.
Drell, William, New York, N. Y. Button or similar article. 151,610, Nov. 2.
Drell, William, New York, N. Y. Button or similar article. 151,611, Nov. 2.
Drell, William, New York, N. Y. Button or similar article. 151,612, Nov. 2.
Drell, William, New York, N. Y. Button or similar article. 151,613, Nov. 2.
Dreyfuss, Henry, Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. 151,614, Nov. 2.
Drugs Limited, assignee: *See*—
Gimelli, Samuel.
Eachus, Iredell, Wayne, Pa., and N. Macbeth, Jr., New York, N. Y. Photographic color-transparency analysis machine. 151,615, Nov. 2.
Elkonin, Aaron, Brooklyn, N. Y. Pin or similar article. 151,616, Nov. 2.
Féraud, Roger, Neuilly-sur-Seine, France. Chair or the like. 151,617, Nov. 2.
Freeman, Clair D.: *See*—
Lamb, Eddy, and Freeman.
Gimelli, Samuel, Bern, Switzerland, assignor to Drugs Limited, London, N., England. Atomizer spray attachment for a container. 151,618, Nov. 2.
Goldmann, Jack M., assignor to Amereel Corporation, New York, N. Y. Film reel. 151,619, Nov. 2.
Goodyear Aircraft Corporation, assignee: *See*—
Beck, Derwood A.
Grabowski, Stanley F., San Mateo, and J. M. Sawaya, San Anselmo, Calif. Music cabinet. 151,620, Nov. 2.
Green, Irwin W., Bell Gardens, Calif. Combined nutcracker and tray. 151,621, Nov. 2.
Grosfeld House, Inc., assignee: *See*—
Buckner, Anthony J.
Haller, André, Zurich, Switzerland. Chest for storing and displaying surgical instruments. 151,622, Nov. 2.
Harper, Robert J.: *See*—
Teague, Walter D., and Harper.
Hayes, Bernard L.: *See*—
Bunn, Robert D., and Hayes.
Heller, David, New York, N. Y. Household duster. 151,623, Nov. 2.
Ingersoll, Roy C., Winnetka, assignor to Borg-Warner Corporation, Chicago, Ill. Utility cabinet. 151,624, Nov. 2.
International Business Machines Corporation, assignee: *See*—
Kress, George H.
Keeler Brass Company, assignee: *See*—
Clark, Earle W.
Kelly, Pascal M., El Paso, Tex. Bridle bit. 151,625, Nov. 2.
Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Hospital patient's call light. 151,626, Nov. 2.
Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Combined pilot and buzzer station. 151,627, Nov. 2.
Lamb, Eddy, and C. D. Freeman, Los Angeles, Calif. Lamppost. 151,628, Nov. 2.
Lamb, Eddy, and C. D. Freeman, Los Angeles, Calif. Combined lamppost and lamp. 151,629, Nov. 2.
Geib, Charles A., assignor to The Norwood Company, Chicago, Ill. Phonograph tone arm. 151,630, Nov. 2.
Gomberg, George, Chicago, Ill. Multiple fluorescent lighting unit. 151,631, Nov. 2.
Gomberg, George, Chicago, Ill. Fluorescent lighting unit. 151,632, Nov. 2.
Graboi, Michael, New York, N. Y. Thermometer casing and minute glass unit. 151,633, Nov. 2.
Hanna, Jay, New York, N. Y. Clock dial or similar article. 151,634, Nov. 2.
Lehmann, Gotthilf, New York, N. Y. Toy clown. 151,635, Nov. 2.
Lewis, Nena, Campbell, Ohio. Kitchen cabinet. 151,636, Nov. 2.
Loosley, Henry J., St. Louis, Mo. Display cabinet for greeting cards. 151,637, Nov. 2.
Ludwig, William F., Chicago, Ill. Drumhead tensioning lug for drums. 151,638, Nov. 2.

Ludwig, William F., Chicago, Ill. Lever of a drum snare tensioning mechanism. 151,639, Nov. 2.
Ludwig, William F., Chicago, Ill. Twin drumhead tensioning lug for drums. 151,640, Nov. 2.
Mabry, Wilber R., Kansas City, Mo. Game board. 151,641, Nov. 2.
Macbeth, Norman, Jr.: *See*—
Eachus, Iredell, and Macbeth.
MacDonald, William B., Jr., Chicago, Ill. Vehicle trailer. 151,642, Nov. 2.
MacKenzie, Donald M., assignor to Willson Products, Inc., Reading, Pa. Handling support for treating lenses. 151,643, Nov. 2.
Maling, Roy, Chestnut Hill, Mass. Shoe. 151,644, Nov. 2.
Maling, Roy, Chestnut Hill, Mass. Shoe. 151,645, Nov. 2.
Marrow, George M., Brattleboro, Vt. House. 151,646, Nov. 2.
Marrow, George M., Brattleboro, Vt. House. 151,647, Nov. 2.
Marrow, George M., Brattleboro, Vt. House. 151,648, Nov. 2.
Matson, Charles H., New York, N. Y. Adjustable fishing reel seat. 151,649, Nov. 2.
Moe Brothers Manufacturing Company, assignee: *See*—
Stevens, Clifford B.
Moritt, Irving J., assignee: *See*—
Bell, Sidney R.
Naiden, Anthony, Southwick, Mass., assignor, by mesne assignments, to The Coca-Cola Company, Wilmington, Del. Beverage dispenser. 151,650, Nov. 2.
Nield, Douglas, Dinas Powis, Wales. Clothes peg. 151,651, Nov. 2.
Norwood Company, The, assignee: *See*—
Gelb, Charles A.
Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 151,652, Nov. 2.
Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 151,653, Nov. 2.
Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 151,654, Nov. 2.
Pike, Herbert: *See*—
Wriede, Philip P., and Pike.
Preaus, Charles M., assignor of one-half to C. E. Ross, Tulsa, Okla. Umbrella. 151,655, Nov. 2.
Rath, Frank H., Garden City, N. Y. Handbag. 151,656, Nov. 2.
Renault, Anita M., Chicago, Ill. Puzzle or similar article. 151,657, Nov. 2.
Ross, Charles E., assignee: *See*—
Preaus, Charles M.
Sams, Herbert W., Atlanta, Ga., assignor to Scripto, Inc. Mechanical pencil. 151,658, Nov. 2.
Sawaya, Joseph M.: *See*—
Grabowski, Stanley F., and Sawaya.
Schaefer, Oscar C., Racine, Wis. Fishing lure. 151,659, Nov. 2.
Scripto, Inc., assignee: *See*—
Sams, Herbert W.
Teague, Walter D., and Harper.
Shapiro, Abraham L., Boston, Mass. Combination clock, radio, and lamp. 151,660, Nov. 2.
Shawnee Manufacturing Company, assignee: *See*—
Smead, Frank F.
Sherrer, John M., Wauconda, assignor of one-half to D. L. Skene, Joliet, and one-half to A. S. Stoops, Galesburgh, Ill. Calendar pencil. 151,661, Nov. 2.
Skene, Donald L., assignee et al.: *See*—
Sherrer, John M., Skene, and Stoops.
Smead, Frank F., assignor to Shawnee Manufacturing Company, Chicago, Ill. Combined storage cabinet and bench. 151,662, Nov. 2.
Standard Business Machines Company, assignee: *See*—
Dolan, Tom.
State Welding Works, Inc., assignee: *See*—
Phillips, Harry.
Stevens, Clifford B., Milwaukee, assignor to Moe Brothers Manufacturing Company, Fort Atkinson, Wis. Lamp. 151,663, Nov. 2.
Stoops, Arlo S., et al.: *See*—
Sherrer, John M., Skene, and Stoops.
Teague, Walter D., Annandale, N. J., and R. J. Harper, Scarsdale, N. Y., assignors to Scripto, Inc. Fountain pen or similar article. 151,664, Nov. 2.
Teague, Walter D., Annandale, N. J., and R. J. Harper, Scarsdale, N. Y., assignors to Scripto, Inc. Fountain pen or similar article. 151,665, Nov. 2.
United Wallpaper, Inc.: *See*—
Burton, William.
Wendt, Robert H., Evanston, Ill. Pancake turner or similar article. 151,666, Nov. 2.
Willson Products, Inc., assignee: *See*—
Mackenzie, Donald M.
Wolfe, Chesley L., Richmond, Calif. Combined cabinet and douche tank. 151,667, Nov. 2.
Wriede, Philip P., New York, and H. Pike, Brooklyn, N. Y. Iron stand. 151,668, Nov. 2.
Youhouse, Joseph, Fairfield, Conn. Rotor plane. 151,669, Nov. 2.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
Fields, Mack R.
Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Interlocking strip-shingles. 2,452,708, Nov. 2.
Aiman, Rolland B., Pendleton, Ind. Lubricating system for adjustable multiple spindle drill head. 2,452,709, Nov. 2.
Aircraft-Marine Products Inc., assignee: *See*—
Johnson, James O.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Meyerhans, August.
Allard, Pierre J. T., Chantilly, assignor to Societe Francaise De Construction De Bennes Automatiques, Persan (Seine-et-Oise), France. Hoisting apparatus. 2,453,082, Nov. 2.
Allen, Elmo W., assignor to Stan-Wall Manufacturing Company, Fresno, Calif. Tongue stabilizer for vehicles. 2,452,710, Nov. 2.
Allison, John L.: *See*—
Busignies, Henri G., and Allison.
Alpers, Henry, Columbus, Nebr. Screw and toggle adjusted wrench and clamp. 2,452,625, Nov. 2.
Aluminum Company of America, assignee: *See*—
Kempf, Louis W., and Eastwood.
Aluminum Cooking Utensil Company, The, assignee: *See*—
Guild, Lurelle, and Towne.
Amber, Yervant, Los Angeles, Calif. Garment clamp. 2,452,891, Nov. 2.
American Can Company, assignee: *See*—
Jones, Lyman L.
Maher, William W.
Nordquist, Roland E. J.
American Cyanamid Company, assignee: *See*—
Carpenter, Erwin L.
Davis, Harold S., and Carpenter.
American Instrument Co., Inc., assignee: *See*—
Morris, Nathan.
Anderson, Ralph V., U. S. Navy. Apparatus for automatically controlling duration of electrical current. 2,452,537, Nov. 2.
Anderson & Sons, Inc., assignee: *See*—
Henry, George W.
Anthony, John C.: *See*—
Tomkins, Walter M., Larkin, Anthony, Ross, and Mero.
Apex Tool & Cutter Company, assignee: *See*—
Sheridan, Henry M.
Appleton, Robert A., Inyokern, Calif., C. N. Hickman, Jackson Heights, N. Y., and C. F. Bjork, Luke, Md., assignors to the United States of America as represented by the Secretary of War. Igniter for rockets. 2,452,892, Nov. 2.
Arenco Aktiebolog, assignee: *See*—
Ekström, Gunnar, and Öström.
Argus, Incorporated, assignee: *See*—
Meyer, Clarence H.
Armco Steel Corporation, assignee: *See*—
Feild, Alexander L.
Aronson, David, Greensburg, assignor to Elliott Company, Jeannette, Pa. Refrigerating apparatus. 2,452,711, Nov. 2.
Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Injection machine. 2,453,058, Nov. 2.
Ashton, Roy S., Brooklyn, N. Y. Extensible safety suspenders. 2,452,538, Nov. 2.
Associated Patentees, Inc., assignee: *See*—
Powers, Walter P.
Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Electron emitter. 2,452,626, Nov. 2.
Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Producing hydrocarbon and the like. 2,452,712, Nov. 2.
Bachelder, Albert J.: *See*—
Land, Edwin H., Bachelder, and Wolff.
Bachman, Charles H., Scotia, N. Y., assignor to General Electric Company. Electron lens assembly. 2,452,893, Nov. 2.
Backs, William H., Lockwood, Mo. Sack holder. 2,452,826, Nov. 2.
Bacon, Frederick E.: *See*—
Kroll, William J., and Bacon.
Baecher, Bernard J., New York, N. Y. Self-balancing potentiometer. 2,452,539, Nov. 2.
Bakelite Corporation, assignee: *See*—
Butler, William H.
Baker, J. T., Chemical Co., assignee: *See*—
Little, Kenneth B., and Burton.
Baldwin Locomotive Works, The, assignee: *See*—
Jones, Edgar J.
Ball, Charles J. P., London, A. C. Jessup, and E. F. Emley, Clifton Junction Works, near Manchester, and J. B. Wilson, Swinton, Manchester, assignors to Magnesium Elektron Limited, London, England. Producing magnesium-zirconium alloys. 2,452,894. Nov. 2.
Ballard, Seaver A.: *See*—
Williams, Paul H., and Ballard.
Bandy, Roy W., Aspen, Colo. Filler cap support. 2,452,713, Nov. 2.
Bannister, Walter L., Fort William, Ontario, assignor to L. W. Bennett, Port Arthur, Ontario, Canada. Stocking stretcher. 2,453,059, Nov. 2.
Barfod, Frederik, and E. O. Wirth, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,452,627, Nov. 2.
Barnard, Harold, Houston, Tex., assignor to The Whitehead Bros. Rubber Company. Piston. 2,452,714, Nov. 2.
Barnard, Roy M., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electrical condenser. 2,452,540, Nov. 2.
Bartlett, Kenneth M., and E. G. Pekarek, assignors to Thompson Products, Inc., Cleveland, Ohio. Making hollow poppet valves. 2,452,628, Nov. 2.
Bauer, Robert F., and H. J. Matthews, assignors to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for treating bituminous sands. 2,453,060, Nov. 2.
Bauer, William, assignor to The Tappan Stove Company, Mansfield, Ohio. Concealed venting means for stoves. 2,452,715, Nov. 2.
Bearden, Fred E., Spartanburg, S. C. Sharpening device for the cutting rollers of pencil sharpeners. 2,452,827, Nov. 2.
Beaver, John W. P.: *See*—
Pool, John E., and Beaver.
Bell, Nicholas, Dearborn, Mich. Boring head. 2,452,828, Nov. 2.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Hansen, Rolf K.
Harrison, Henry C.
Hecht, George, and Meacham.
Koenig, Walter, Jr.
Ramsden, Clayton W.
Rieke, John W.
Belmont Radio Corporation, assignee: *See*—
O'Brien, Edgar.
Beltz, John S., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Belt tensioning mechanism for conveyors. 2,452,980, Nov. 2.
Bendix Aviation Corporation, assignee: *See*—
Barfod, Frederik, and Wirth.
Cautley, John R.
Frei, Jakob R.
Gagen, Charles V.
Streblinger, Richard R.
Tognola, Tullio, and Segall.
Benedek, Elek K., Chicago, Ill. Rotary hydraulic machine. 2,452,541, Nov. 2.
Bennett, Leonard W., assignee: *See*—
Bannister, Walter L.
Benning, Walter F., Toledo, Ohio, assignor to Mack Manufacturing Corporation, New York, N. Y. Combined throttle and brake pedal. 2,452,981, Nov. 2.
Bergquist, Carl H., Forest Hills, assignor to Elliott Company, Jeannette, Pa. Deaerating heater. 2,452,716, Nov. 2.
Bernas, Robert: *See*—
Yardeny, Michel N., and Bernas.
Bird, Byron M., Columbus, Ohio, assignor to The Jeffrey Company. Submerged reciprocating screen. 2,452,982, Nov. 2.
Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Desiccating food products. 2,452,983, Nov. 2.
Bissout, Herbert A., Merchantville, N. J., and W. Y. Borresen, assignors to W. K. Mitchell & Company, Inc., Philadelphia, Pa. Electric resistance and filler metal butt welding. 2,453,061, Nov. 2.
Bjork, Carold F.: *See*—
Appleton, Robert A., Hickman, and Bjork.
Blau, Arthur H., assignor to Sterling Motor Truck Company, Inc., Milwaukee, Wis. Wheel brake adjusting mechanism. 2,452,717, Nov. 2.
Blaydes, Frederick T., Canton, Ill., assignor to International Harvester Company. Tractor attaching structure for implements. 2,452,829, Nov. 2.

Blom, Øyvind, Brooklyn, N. Y. Advance and retard injection mechanism for Diesel engines. 2,452,984, Nov. 2.

Bluestein, Ben A., Schenectady, N. Y., assignor to General Electric Company. Linear silmethylenesiloxane. 2,452,895, Nov. 2.

Blythe, James H., Denver, Colo. Cutting torch holder. 2,452,718, Nov. 2.

Boden, Ernest G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing lubrication. 2,452,719, Nov. 2.

Bodkin, John A., New York, N. Y. Railway car retarder. 2,452,720, Nov. 2.

Bold, Ralph E.: *See*—
Paul, William E., Timmerman, Jr., and Bold.

Bonekamp, Joseph J., Cincinnati, Ohio. Cake protecting device. 2,452,629, Nov. 2.

Bonney, Homer W. and M., Roseville, Calif. Cement mixer. 2,452,896, Nov. 2.

Bonney, Mahlon: *See*—
Bonney, Homer W. and M.

Booher, Ortis C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Automatic record changing apparatus. 2,452,721, Nov. 2.

Boothby, Walter M., and A. H. Bulbulian, Rochester, Minn., and W. R. Lovelace, II, Albuquerque, N. Mex. Clinical mask for breathing and rebreathing mixtures of gases. 2,452,722, Nov. 2.

Borresen, William Y.: *See*—
Bissout, Herbert A., and Borresen.

Bossard, Gisbert L., Cleveland, Ohio. Mounting for electric chime signal devices. 2,452,897, Nov. 2.

Bourdette, Earl C., Chickasaw, Ala. Internal heat intensifier. 2,452,898, Nov. 2.

Bourdette, Earl C., Chickasaw, Ala. Adjustable flange jig. 2,452,985, Nov. 2.

Bourne, Roland B., West Hartford, J. P. Tyskewicz, Hartford, and A. E. Chase, Elmwood, assignors to The Maxim Silencer Company, Hartford, Conn. Spark arrester silencer. 2,452,723, Nov. 2.

Bourque, Hercules N., Hudson, Mass. Toolholding attachment for machine tool turrets. 2,453,083, Nov. 2.

Bradshaw, George B., Wilmington, Del. Soapmaking process. 2,452,724, Nov. 2.

Bradshaw, George B., Wilmington, Del. Soapmaking process. 2,452,725, Nov. 2.

Bradshaw, William H., Wilmington, Del., and W. R. Schmitz, Jr., Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous making alkali cellulose. 2,452,542, Nov. 2.

Braun, Gustav F., Elizabeth, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combination microphone and control means for dictating machines. 2,452,830, Nov. 2.

Breault, Delphis C., Lowell, Mass. Apparatus for burning liquid fuel in the presence of gas under pressure. 2,452,543, Nov. 2.

Brennen, Ronald F., Valley Stream, assignor to General Die-Stamping Tool Company, New York, N. Y., a partnership comprised of R. F. Matshak and D. M. Kasson. Collet and collet chuck therefor. 2,452,986, Nov. 2.

Brodie, Sidney S., New York, N. Y. Indexing device. 2,452,544, Nov. 2.

Broga, Wilson C., Westfield, Mass. Ammunition chest. 2,452,545, Nov. 2.

Broido, Daniel, Cockfosters, near Barnet, England. Calculating machine. 2,452,987, Nov. 2.

Brown, Alexander M., Ocean Grove, N. J., assignor of forty per cent to M. D. Pickens, New York, N. Y. Slide fastener. 2,452,809, Nov. 2.

Brown, Harry W., assignor to The National Acme Company, Cleveland, Ohio. Cam grinding machine. 2,452,989, Nov. 2.

Brown, Henry T., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of bead-form catalyst. 2,453,084, Nov. 2.

Brown Instrument Company, assignee: *See*—
Wannamaker, William H., Jr.

Brown, John D., Enid, Okla. Work indexing attachment for lathes. 2,452,988, Nov. 2.

Buchet, Conrad R., assignor of one-half to M. H. Lees, Jr., Pasadena, Calif. Multirotor helicopter with tiltable rotors. 2,452,726, Nov. 2.

Buchmann, Abe, assignee, et al.: *See*—
Carter, Albert C.

Buffalo Electro-Chemical Company, Inc., assignee: *See*—
Hyatt, Harlow G., and Shanley.

Bulbulian, Arthur H.: *See*—
Boothby, Walter M., Bulbulian, and Lovelace.

Burkhart, Robert J., Nutley, N. J. Antiskid device. 2,452,831, Nov. 2.

Burkholder, John D., Jr., Harrisonburg, Va. Brooder. 2,452,900, Nov. 2.

Burlington Mills Corporation, assignee: *See*—
Cobert, Arthur J.

Burrell Technical Supply Company, assignee: *See*—
Carlson, George W.

Burritt, Walter L., Omaha, Nebr. Tubular fence post construction. 2,452,630, Nov. 2.

Burrowes, John B.: *See*—
Ganger, Karl M., and Burrowes.

Burton, George C., Washington, D. C. Tie rack. 2,452,727, Nov. 2.

Burton, John J.: *See*—
Little, Kenneth B., and Burton.

Bush, Homer H., Atlanta, Ga. Parachute release. 2,452,990, Nov. 2.

Busignies, Henri G., Forest Hills, and J. L. Allison, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,452,546, Nov. 2.

Butcher, Alfred, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Liquid clarifying apparatus. 2,452,991, Nov. 2.

Butler, William H., Bloomfield, N. J., assignor to Bakelite Corporation. Coating composition of fatty drying oils reacted with fatty acid modified polyhydric alcohol esters of cyclopentadiene maleic adduct. 2,452,992, Nov. 2.

Caesar, Philip D., Champaign, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Alkyl thiophene-aldehyde synthetic resins. 2,453,086, Nov. 2.

Caesar, Philip D., Champaign, Ill., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Thiophene-aldehyde synthetic resins. 2,453,085, Nov. 2.

California Packing Corporation, assignee: *See*—
Newton, Robert J.

Calloway, Gaither D., Elkin, N. C. Screw pivot for shears. 2,452,993, Nov. 2.

Cameron, Colin M., assignor to Ransomes & Rapier Limited, Ipswich, England. Excavating machine. 2,452,632, Nov. 2.

Cameron, Curtice B., Laurel, Miss. Self-adjusting wood peeler. 2,452,631, Nov. 2.

Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus. 2,452,901, Nov. 2.

Cammack, Richard B., et al., assignee: *See*—
Carlin, Bernard.

Canfield, William B.: *See*—
Rust, John B., and Canfield.

Cantrell, Troy L.: *See*—
Smith, Herschel G., and Cantrell.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Staff, Charles E.

Carborundum Company, The, assignee: *See*—
Roble, Norman P.

Carlin, Bernard, Orange, assignor of forty-nine one-hundredths to W. O. Haizlip and R. B. Cammack, Nederland, and J. Ener, Jr., and L. De Cordova, Beaumont, Tex. Safety inner tube for pneumatic tires. 2,452,902, Nov. 2.

Carling, Edward C., Stoke Newington, London, England. Couplings for flexible hose. 2,452,728, Nov. 2.

Carlson, George W., Bridgeville, assignor to Burrell Technical Supply Company, Pittsburgh, Pa. Mercury leveling clamp. 2,452,729, Nov. 2.

Carpenter, Erwin L.: *See*—
Davis, Harold S., and Carpenter.

Carpenter, Erwin L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of alkylene cyanohydrins. 2,453,062, Nov. 2.

Carter, Albert C., assignor of one-half to A. Buchmann, one-fourth to J. Mintz, and one-fourth to M. E. Levinson, Cincinnati, Ohio. Liquid filled dice agitator. 2,452,730, Nov. 2.

Carter, James C., Pasadena, Calif. Sealing unit and gasket. 2,452,832, Nov. 2.

Casco Products Corporation, assignee: *See*—
Youhouse, Joseph.

Cauley, Stephen P.: *See*—
Happel, John, and Cauley.

Cautley, John R., assignor to Bendix Aviation Corporation, South Bend, Ind. Means for causing prerotation of aircraft wheels. 2,452,633, Nov. 2.

Celanese Corporation of America, assignee: *See*—
Miller, Samuel A., and Groombridge.

Chase, Arthur E.: *See*—
Bourne, Roland B., and Tyskewicz, and Chase.

Chatterjea, Prafulla K., and C. T. Scully, assignors to Standard Telephones and Cables Limited, London, England. Pulse modulation systems of electric communication. 2,452,547, Nov. 2.

Chodak, Bernard, Brooklyn, N. Y. Shopping bag. 2,452,994, Nov. 2.

Christensen, Stig, Los Angeles, W. G. Rosenberg, Glendale, and J. D. Swift, San Fernando, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Hardness testing device. 2,452,833, Nov. 2.

Cinamon, Lionel, New York, N. Y. Soldering, brazing and welding fluxes. 2,452,995, Nov. 2.

Cincinnati Milling Machine Co., The, assignee: *See*—
Nenninger, Lester F., and Hassman.

Clapper, Clyde E., Kansas City, Mo. Hot-air deflector for tractors. 2,452,834, Nov. 2.

Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Fischer-tropsch synthesis gas from oil shale. 2,452,634, Nov. 2.

Clark, Dudley B., Palm Springs, Calif. Electronic transformer control. 2,452,548, Nov. 2.

Clark, Robert H.: *See*—
Dersch, Fritz, and Clark.

Clayton Manufacturing Company, assignee: *See*—
Cline, Edwin L.

Cleeton, Claud E., Washington, D. C. Double pulse generator. 2,452,549, Nov. 2.

Clement, Ivan C., Greenwood, Wakefield, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Sound signaling apparatus. 2,452,571, Nov. 2.

Cline, Edwin L., Pasadena, assignor to Clayton Manufacturing Company, Alhambra, Calif. Hydraulic dynamometer. 2,452,550, Nov. 2.

Clutton, Sam W., Missoula, Mont. Hotbox cooler. 2,452,731, Nov. 2.

Cobert, Arthur J., Greensboro, N. C., assignor to Burlington Mills Corporation, New Castle County, Del. Knitted fabric and making same. 2,452,835, Nov. 2.

Cobert, Arthur J., Greensboro, N. C., assignor to Burlington Mills Corporation, New Castle County, Del. Knitted fabric and making same. 2,452,836, Nov. 2.

Coffey, Earl G., Sioux City, Iowa. Impression taking means. 2,452,903, Nov. 2.

Cohen, Frank A., Brooklyn, N. Y. Undergarment. 2,453,063, Nov. 2.

Colbert, Carl C., assignor to Nehi Corporation, Columbus, Ga. Vending apparatus. 2,452,837, Nov. 2.

Cole, Monroe C., Dallas, Tex. Brooder. 2,452,904, Nov. 2.

Coles, Leon M., Port Chester, N. Y. Hand cultivating tool. 2,452,732, Nov. 2.

Colgate-Palmolive-Peet Company, assignee: *See*—
Malkemus, John D., Ross, and Potter.

Collura, Francesco, New York, N. Y. Push-button type pencil. 2,452,905, Nov. 2.

Collura, Francesco, New York, N. Y. Mechanical pencil of the push-button type. 2,452,906, Nov. 2.

Collura, Francesco, New York, N. Y. Magazine pencil of the push-button type. 2,452,907, Nov. 2.

Colonial Radio Corporation, assignee: *See*—
Tittle, Hulburt C.

Come, Leonard P., White Plains, N. Y. Furniture. 2,452,838, Nov. 2.

Commercial Solvents Corporation, assignee: *See*—
Johnson, Harold G.
Morey, Glen H., and Taylor.

Conant, Harold B., Lincoln, Nebr. Rectifier type measuring instrument. 2,452,551, Nov. 2.

Conklin, Robert M., West Newbury, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Winding machine. 2,452,733, Nov. 2.

Consolidated Engineering Corporation, assignee: *See*—
Young, William S.

Continental Can Company, Inc., assignee: *See*—
Coyle, John.
Tomkins, Walter M., Larkin, Anthony, Ross, and Mero.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating system. 2,452,635, Nov. 2.

Cornell Aeronautical Laboratory, Inc., assignee: *See*—
Levine, Max M.

Corning Glass Works, assignee: *See*—
Hyde, James F., and Johannson.

Corson, Michael G., New York, N. Y., assignor to The Linde Air Products Company. Refining copper and its alloys. 2,452,996, Nov. 2.

Costelow, John F., Kansas City, Mo. Insulation cutter. 2,452,734, Nov. 2.

Coward, William J., Lakeland, Fla. Rectal spray depurator. 2,452,997, Nov. 2.

Cowles, Irving, Chicago, Ill. Detachable hose coupling. 2,452,908, Nov. 2.

Cox, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Three component telephoto type optical objective. 2,452,909, Nov. 2.

Coyle, John, Baltimore, Md., and J. F. Egenolf, assignors to Continental Can Company, Inc., New York, N. Y. Collar can collar structure. 2,452,839, Nov. 2.

Craig, Harold L., Hampton, Iowa. Fence post. 2,452,840, Nov. 2.

Cressaty, George M., New York, N. Y. Magnifying reading unit. 2,453,064, Nov. 2.

Creveling, John L., near Tucson, Ariz. Electric regulation. 2,453,065, Nov. 2.

Cunningham, John E., and R. A. Kempe, assignors to Thompson Products, Inc., Cleveland, Ohio. Making hollow valves. 2,452,636, Nov. 2.

Curtis, Osborn M., Jr., and T. M. Prudden, assignors to LobLure, Inc., Hingham, Mass. Fishing bait and preparing the same. 2,452,552, Nov. 2.

Curtis, Osborn M., Jr., and T. M. Prudden, assignors to LobLure, Inc., Hingham, Mass. Fishing bait. 2,452,553, Nov. 2.

Cuthbertson, George R., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 2,452,998, Nov. 2.

Dailey, William E., Chicago, Ill. Toy. 2,452,841, Nov. 2.

Daly, Lawrence E., Osceola, and J. F. Schott, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Making cellular thermoplastic receptacles. 2,452,999, Nov. 2.

Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,452,637, Nov. 2.

Daulton, Benjamin H., assignor to The Irwin Auger Bit Company, Wilmington, Ohio. Manufacturing auger bits. 2,453,000, Nov. 2.

Davidson, James, assignor to Toronto Carpet Manufacturing Co. Limited, Toronto, Ontario, Canada. Automatic knockoff device for ring twisting and spinning machines. 2,452,910, Nov. 2.

Davis, Harold S., Riverside, and E. L. Carpenter, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of acrylonitrile. 2,452,554, Nov. 2.

Davis, Sydney B., assignor of twenty-five per cent to L. R. Kielmeyer, Nerstrand, Minn. Flag holder and displayer. 2,452,842, Nov. 2.

De Cordova, Lester, assignee, et al.: *See*—
Carlin, Bernard.

Dehydration, Inc., assignee: *See*—
Birdseye, Clarence.

De la Roza, Joaquin J., Sr., New York, N. Y. Friction nozzle. 2,452,555, Nov. 2.

Deming Company, The, assignee: *See*—
Shallenberg, Walter.

Den Hertog, Martinus: *See*—
Kruithof, Jacob, Kozma, and den Hertog.

Dersch, Fritz, and R. H. Clark, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic developers containing tetrazolyl disulfides as antifogging agents. 2,453,087, Nov. 2.

De Stefano, John, Long Island City, N. Y. Combination dust cap and valve cap lock for tire valves. 2,453,001, Nov. 2.

Devine, John J., Middletown, Conn. Pencil with internal illuminating means. 2,452,735, Nov. 2.

Dickerman, Fred N., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Arresting hook. 2,452,911, Nov. 2.

Dodson, William C.: *See*—
Drum, Harry S., Dodson, and Jaxheimer.

Dow Chemical Company, The, assignee: *See*—
Dulmage, Frederick E.
Haynes, James D.

Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Circuit for improving oscillator stability. 2,452,912, Nov. 2.

Doyle, Nancy, et al., assignee: *See*—
Sharman, Jagan N.

Drum, Harry S., and W. C. Dodson, Abington, and W. H. Jaxheimer, assignors to Smith, Drum & Company, Philadelphia, Pa. Package extractor. 2,452,638, Nov. 2.

Duffey, Dick, La Fontaine, Ind., assignor to the United States of America as represented by the United States Atomic Energy Commission. Producing calcium hydrides by distillation. 2,452,913, Nov. 2.

Dulmage, Frederick E., Saginaw, assignor to The Dow Chemical Company, Midland, Mich. Mixing torpedo for plastics extruders. 2,453,088, Nov. 2.

Dunbrook, Alexander J., Kitchener, Ontario, Canada, assignor to The B. F. Goodrich Company, New York, N. Y. Article of footwear and heel therefor. 2,453,002, Nov. 2.

Dunlop Tire & Rubber Corporation, assignee: *See*—
Illingworth, James W., and Pickup.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Bradshaw, William H., and Schmitz.
Kirk, Joseph S.
Mowery, Dwight F., Jr.
Raasch, Maynard S.
Siegel, Alfred.
Turnbull, Stockton G., Jr.
Van Etten, Howard A.

Eagle-Picher Company, The, assignee: *See*—
Turbett, Forrest L.

Eastern Specialty Company, The, assignee: *See*—
Fleischmann, Rudolf A. K.

Eastman Kodak Company, assignee: *See*—
Knott, Edward B., and Stevens.

Eastwood, La Verne W.: *See*—
Kempf, Louis W., and Eastwood.

Ecusta Paper Corporation, assignee: *See*—
Heygel, Paul R.

Edison, Thomas A., Incorporated, assignee: *See*—
Braun, Gustav F.

Edwards, Baden J., assignor to Pye Limited, Cambridge, England. Television projection tube. 2,453,003, Nov. 2.

Eichholtz, Frederick W., Norvelt, Pa. Radiator structure for air heating furnaces. 2,452,556, Nov. 2.

Eickmeyer, Allen G., Salt Lake City, Utah, assignor of one-fourth to C. M. McKnight, Tulsa, Okla. Treating oil wells. 2,452,736, Nov. 2.

Eisenstein, Albert S., Cambridge, and K. J. Germeshausen, Newton Centre, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Resistor. 2,452,737, Nov. 2.

Ekström, Gunnar, Stockholm, and G. Örström, Alsten, assignors to Arenco Aktiebolag, Stockholm, Sweden. Machine for producting a vent in cartridge cases. 2,452,639, Nov. 2.

Elastic Chain Company, assignee: *See*—
Hartranft, William.

Electro Metallurgical Company, assignee: *See*—
Kroll, William J., and Bacon.

Eller, Saul A., New York, N. Y. Protected tube and method. 2,452,557, Nov. 2.

Elliott, Bernard V.: *See*—
Price, Harold C., and Elliott.
Elliott Company, assignee: *See*—
Aronson, David.
Bergquist, Carl H.
Ellis-Foster Company, assignee: *See*—
Rust, John B., and Canfield.
Elmendorf, Armin, Winnetka, Ill. Roof and wall structure. 2,452,640, Nov. 2.
Elstad, Clayton M., Minneapolis, Minn. Electric marking device. 2,452,738, Nov. 2.
Emley, Edward F.: *See*—
Ball, Charles J. P., Jessup, Emley, and Wilson.
Emley, Edward F., Clifton Junction Works, near Manchester, assignor to Magnesium Elektron Limited, London, England. Process and composition for producing magnesium-zirconium alloys. 2,452,914, Nov. 2.
Ener, Joe, Jr., et al., assignee: *See*—
Carlin, Bernard.
Engels, William H., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Iodized salt composition. 2,452,641, Nov. 2.
Engstrom, Oscar L., New York, N. Y. Liquid mixing and dispensing apparatus. 2,453,004, Nov. 2.
Esnault-Pelterie, Robert, Geneva, Switzerland, assignor to Spladis Société pour l'Application d'Inventions Scientifiques, Luxemburg (Luxemburg). Combustion apparatus for solid combustibles in fragments. 2,452,843, Nov. 2.
Esnault-Pelterie, Robert, Geneva, Switzerland, assignor to Spladis Société pour l'Application d'Inventions Scientifiques, Luxemburg (Luxemburg). Process and apparatus for burning solid fuel. 2,452,844, Nov. 2.
Essell Corporation, assignee: *See*—
Schulz, Fred R.
Ewing, Albert L., Continental, Ohio. Folding arm davenport. 2,452,642, Nov. 2.
Extruded Plastics, Inc., assignee: *See*—
Slaughter, Charles E.
Fairbank, Murry N., Weston, assignor to Polaroid Corporation, Cambridge, Mass. Mold for forming porro prisms. 2,453,005, Nov. 2.
Fairchild, Sherman M., New York, N. Y., assignor, by mesne assignments, to W. B. Scarborough as trustee. Forming hollow laminated structures. 2,452,739, Nov. 2.
Fairchild, Sherman M., New York, N. Y., assignor, by mesne assignments, to W. B. Scarborough as trustee. Molded structure. 2,452,740, Nov. 2.
Farnsworth Research Corporation, assignee: *See*—
Booher, Ortis C.
Fawcett, Cecil C., Philadelphia, and J. J. Hart, Bryn Mawr, Pa., assignors to United States of America as represented by the Secretary of War. Fuse. 2,452,558, Nov. 2.
Federal Machine & Welder Co. assignee: *See*—
Westin, Sven and A. W.
Federal Telephone and Radio Corporation, assignee: *See*—
Rusignies, Henri G., and Allison.
Kotterman, Chester A.
Lehmann, Gerard J.
Litton, Charles V.
Miller, Edward H.
Newitt, John H.
Saslaw, Otto.
Zimmermann, Karl H.
Feight, Oscar J., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Batch feed hopper for garbage grinders. 2,453,006, Nov. 2.
Feild, Alexander L., Baltimore, Md., assignor to Armco Steel Corporation. Nitriding process. 2,452,915, Nov. 2.
Feilden, Geoffrey B. R.: *See*—
McLeod, Roderick C., and Feilden.
Fenner, J. H., and Company Limited, assignee: *See*—
Hickman, James C.
Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Disposable venoclysis set. 2,452,643, Nov. 2.
Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Apparatus for intravenous administration of liquids. 2,452,644, Nov. 2.
Figg, Basil D.: *See*—
Miller, John W., and Figg.
Firsel, Maurice S., Birmingham, Ala. Bed spring support. 2,452,645, Nov. 2.
Fisher, James, Middletown, N. Y. Driller's mask. 2,452,845, Nov. 2.
Flatt, William O., Fort Worth, Tex. Bracket for armchair accessory seats. 2,453,007, Nov. 2.
Fleischmann, Rudolf A. K., assignor to The Eastern Specialty Company, Philadelphia, Pa. Rotary tap switch. 2,452,916, Nov. 2.
Fleming, Harold W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of dibasic acids. 2,452,741, Nov. 2.
Flynn, Charles A., Phoebus, Va. Ice cube tray. 2,452,846, Nov. 2.
Folkers, Karl: *See*—
Harris, Stanton A., and Folkers.
Fondation dite: Groupement Francais Pour Le Developpement des Recherches Aeronautiques, assignee: *See*—
L'Hermite, Robert.
Forstrom, Edward W., Stratford, Conn., assignor to General Electric Company. Electrode contact. 2,452,917, Nov. 2.
Fowler, John T., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material reducing apparatus particularly adapted to reduce metal turnings. 2,453,008, Nov. 2.
Frankel, Leo, Chicago, Ill. Lamp housing for film projectors. 2,452,646, Nov. 2.
Franklin, Raymond F., Scotia, N. Y., assignor to General Electric Company. Commutator for dynamoelectric machines. 2,452,918, Nov. 2.
Franzene, Robert D., Lake Geneva, Wis., assignor to Henry Hildebrandt, Chicago, Ill. Crank device. 2,452,742, Nov. 2.
Frei, Jakob R., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical connecting means and radio shielding means therefor. 2,452,847, Nov. 2.
Fremlin, John H., assignor to Standard Telephones and Cables Limited, London, England. Ultra short wave oscillator. 2,452,559, Nov. 2.
Fuschi, Antonio, New York, N. Y. Symphonic instrument. 2,452,743, Nov. 2.
Gabor, Dennis, Rugby, England, assignor to General Electric Company. Electron optical system. 2,452,919, Nov. 2.
Gabrielsen, Christian, assignor to The Rowe Manufacturing Co., Inc., Whippany, N. J. Changeable key cylinder lock. 2,453,066, Nov. 2.
Gagen, Charles V., assignor to Bendix Aviation Corporation, South Bend, Ind. Control valve. 2,452,647, Nov. 2.
Gainer, Joseph B., Washington, D. C. Band-pass transformer. 2,452,560, Nov. 2.
Ganger, Karl M., and J. B. Burrowes, assignors to The Lau Blower Company, Dayton, Ohio. Ventilating device. 2,453,009, Nov. 2.
Gardner, John W., Richmond Hill, N. Y. Floor cleaning machine. 2,452,744, Nov. 2.
Garrison, Allen D.: *See*—
Hayes, Everett P., and Garrison.
General Air Conditioning Corporation, assignee: *See*—
Kercheval, James E.
General Aniline & Film Corporation, assignee: *See*—
Dersch, Fritz, and Clark.
Orinik, Michael T.
Renfrew, Edgar E., Jr.
Vogt, Curt G.
Woltbuis, Enno, and Shafer.
General Die-Stamping Tool Company, assignee: *See*—
Brenne, Ronald F.
General Electric Company, assignee: *See*—
Bachman, Charles H.
Bluestein, Ben A.
Camilli, Guglielmo.
Forstrom, Edward W.
Franklin, Raymond F.
Gabor, Dennis.
Norgaard, Donald E.
Paul, William E., Tommerman, Jr., and Bold.
Peterson, Harold A.
Smith, Sidney R., Jr.
Stratton, Jerry L.
Thomas, Charles A.
General Electric X-Ray Corporation, assignee: *See*—
Atlee, Zed J.
General Motors Corporation, assignee: *See*—
Sampson, Frederick W.
Germeshausen, Kenneth J.: *See*—
Eisenstein, Albert S., and Germeshausen.
Getter, Herman, Bronx, N. Y. Still picture attachment for moving picture projectors. 2,452,745, Nov. 2.
Giara, Emil J., Mobile, Ala. Aerial toy. 2,452,746, Nov. 2.
Gibson, William T., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Electron discharge apparatus using velocity modulated beams. 2,452,561, Nov. 2.
Gilbert, Walton E., Los Angeles, assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for drilling and producing wells. 2,452,920, Nov. 2.
Gillespie, Alex J., assignor to The Thew Shovel Company, Lorain, Ohio. Tread shoe. 2,452,921, Nov. 2.
Gillette, John C., Washington, D. C., and B. H. Tabb, Jr., Arlington, Va. Fuse. 2,452,562, Nov. 2.
Gillette, John C., Washington, D. C., and B. H. Tabb, Jr., Arlington, Va. Fuse. 2,453,107, Nov. 2.
Glover, William F., assignor to Standard Telephones and Cables Limited, London, England. Circuits for repeating square shaped wave forms. 2,452,563, Nov. 2.
Godreau, Joseph M., Moosup, Conn. Control for stopping looms. 2,452,648, Nov. 2.
Goldstein, Maxwell K., Washington, D. C. Direction finder. 2,452,564, Nov. 2.
Gomez, Charles F., San Francisco, Calif. Multiple switch. 2,452,747, Nov. 2.
Gonsett, Faust R.: *See*—
Gonsett, Robert R. and F. R.
Gonsett, Robert R. and F. R., Los Angeles, Calif. Waterproof cover for radio jacks and the like. 2,452,922, Nov. 2.

Gonzales, Horace, assignee: *See*—
Martinez, Norberto.
Goodrich, B. F., Company, The, assignee: *See*—
Dunbrook, Alexander J.
Goodwin, James F., Los Angeles, Calif. Electric piano action. 2,452,848, Nov. 2.
Graff, Morris M., New Orleans, La. Mechanical stirrer. 2,452,923, Nov. 2.
Griffin, John T., Lima, Peru. Dog collar. 2,453,010, Nov. 2.
Graves, Charles H., Stockton, Calif. Slipper. 2,452,649, Nov. 2.
Graybill, Howard W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-pressure contact switch. 2,453,011, Nov. 2.
Greenlee, Harry R., Indianapolis, assignor to The Studebaker Corporation, South Bend, Ind. Speed clutch regulation of fan and pump for cooling systems. 2,452,650, Nov. 2.
Greer, Carl S., Jr., assignor to Lonergan Manufacturing Company, Albion, Mich. Pot burner having segmental air directing means. 2,452,924, Nov. 2.
Greer, Carl S., Jr., assignor to Lonergan Manufacturing Company, Albion, Mich. Elongated pot burner and flame ring. 2,452,925, Nov. 2.
Groombridge, Walter H.: *See*—
Miller, Samuel A., and Groombridge.
Grosch, David, Kansas City, Mo. Music instruction device for use with the piano. 2,452,748, Nov. 2.
Gross, Oswald M., Detroit, Mich. Wrench with spring closed jaws and handle and pawl feed. 2,452,849, Nov. 2.
Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Grinding propeller shanks. 2,452,926, Nov. 2.
Guden, Nicholas W., Chicago, Ill. Nursing bottle holder. 2,452,749, Nov. 2.
Guidry, Clans, Jennings, La. Dump body for trucks. 2,452,850, Nov. 2.
Guild, Lurelle, New York, N. Y., and C. G. Towne, Pittsburgh, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Article of furniture. 2,453,090, Nov. 2.
Gulf Oil Corporation, assignee: *See*—
Butcher, Alfred.
Smith, Herschel G., and Cantrell.
Gunderson, Ralph R., Chicago, Ill. Hydraulic pressure boosting means for braking systems. 2,452,651, Nov. 2.
H-P-M Development Corporation, assignee: *See*—
Ashbaugh, Bernard D.
Haizlip, W. O., assignee, et al.: *See*—
Carlin, Bernard.
Halliday, Thomas W., Los Angeles, and G. H. Joseph, Corona, Calif.; said Joseph assignor, by mesne assignments, to said Halliday. Supplemental therapeutic food. 2,452,750, Nov. 2.
Hammann, Carl F., Boston, assignor to North American Research Corporation, Cambridge, Mass. Machine for applying plastic material. 2,452,565, Nov. 2.
Hammen, Russell F., Canton, Ohio. Bottle handling apparatus. 2,452,927, Nov. 2.
Hampel, Clifford A., Harvey, Ill., assignor to Mathieson Chemical Corporation. Treatment of water. 2,452,928, Nov. 2.
Hansen, Rolf K., Bloomingdale, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glass sealing method and machine. 2,452,652, Nov. 2.
Hansen, William W., and J. R. Woodyard, Garden City, N. Y., assignors to The Sperry Corporation. Ultra high frequency circuit and method. 2,452,566, Nov. 2.
Happel, John, Brooklyn, and S. P. Cauley, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Reducing the mercaptan sulfur content of hydrocarbon oils. 2,453,067, Nov. 2.
Hardy, Warren D., Roanoke, Va. Apparatus for receiving and dumping refuse. 2,452,751, Nov. 2.
Harris, Leonard O. D., Clifton, Va., and W. P. Padgett, Forest City, N. C.; said Padgett, assignor to said Harris. Rotary vegetable cutter on a horizontal axis with a follower feed. 2,452,567, Nov. 2.
Harris, Stanton A., Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. 2-alkylidene-3-keto-4-acylamido-tetrahydrothiophene. 2,452,653, Nov. 2.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,452,568, Nov. 2.
Hart, John H.: *See*—
Fawcett, Cecil C., and Hart.
Hartford National Bank and Trust Company, assignee, as trustee: *See*—
Mulder, Johannes G. W.
Posthumus, Klaas.
Hartranft, William, Palmyra, N. Y., assignor to Elastic Chain Company, Bratenahl, Ohio. Making elastic chains. 2,452,752, Nov. 2.
Hassman, Fred A.: *See*—
Nenninger, Lester F., and Hassman.
Hathaway, Claude M., Denver, Colo. Comparator gauge. 2,452,753, Nov. 2.
Hayes, Everett P., and A. D. Garrison, Houston, Tex., assignors to Texaco Development Corporation, New York, N. Y. Graveling wells. 2,452,654, Nov. 2.
Haynes, James D., Kilgore, Tex., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for depositing material in well holes. 2,453,068, Nov. 2.
Hecht, George, Astoria, N. Y., and L. A. Meacham, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray oscilloscope circuit. 2,452,655, Nov. 2.
Heinz Art Service, assignee: *See*—
Taylor, John A.
Henry, George W., assignor to Anderson & Sons, Inc., Westfield, Mass. Hinge. 2,452,851, Nov. 2.
Herrstrum, Rudolph E., assignor to Rockford Machine Tool Company, Rockford, Ill. Variable power transmission. 2,452,754, Nov. 2.
Hersh, Joseph B.: *See*—
Speaker, David M., and Hersh.
Heygel, Paul R., Asheville, N. C., assignor to Ecusta Paper Corporation. Compressed laminated machine roll. 2,452,755, Nov. 2.
Hickman, Clarence N.: *See*—
Appleton, Robert A., Hickman, and Bjork.
Hickman, James C., assignor to J. H. Fenner and Company Limited, Colne, England. Flexible rotary coupling. 2,453,012, Nov. 2.
Hildebrandt, Henry, assignee: *See*—
Franzene, Robert D.
Hilkene, John A., Bloomfield, N. J. Heat reclamation attachment for heating furnaces. 2,452,852, Nov. 2.
Hohmann, Richard K., Jamaica, N. Y., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Sewing-machine hook mechanism. 2,452,756, Nov. 2.
Holcomb, Harry F., Dallas, Tex. Folding golf cart. 2,452,929, Nov. 2.
Holdridge, Warren B., Los Angeles, Calif. Lathe radii attachment. 2,452,757, Nov. 2.
Holloway, Frank M. and W. P., Austin, Tex. Spirit level. 2,453,091, Nov. 2.
Holloway, William P.: *See*—
Holloway, Frank M. and W. P.
Holthouse, Harry B., Chicago, Ill., assignor to Motorola, Inc. Portable liquid heater. 2,452,656, Nov. 2.
Hooper, Hubert A., Brantford, Ontario, Canada. Food processing apparatus. 2,452,657, Nov. 2.
Hoover Company, The, assignee: *See*—
Coons, Curtis C.
Sutton, Otis B.
Horne, Hal, New York, N. Y. Musical instrument. 2,452,658, Nov. 2.
Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Treating hydrocarbons in presence of hot contact masses. 2,452,569, Nov. 2.
Houdry Process Corporation, assignee: *See*—
Houdry, Eugene J.
Hubbard, Beverly R., Melrose, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Compressional wave transmitting and receiving device. 2,452,570, Nov. 2.
Huldt, Kristoffer A., Stockholm, Sweden. Car wheel assembly. 2,452,659, Nov. 2.
Hunter, Jack G., assignee: *See*—
Reitsma, Henry.
Hussey, Chester L., Belchertown, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Cone bearing adjustment for gear-driven coaster brake. 2,452,660, Nov. 2.
Hutchings, Herschel, Lubbock, Tex. Power plant and transmission arrangement for agricultural tractors. 2,453,069, Nov. 2.
Hutchins, Hugh A., Arcadia, Calif. Vehicle frame joint. 2,452,758, Nov. 2.
Huyck, F. C., & Sons, assignee: *See*—
Wilson, Ezekiel J.
Hyatt, Harlow G., Buffalo, and E. S. Shanley, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Organic peroxide composition. 2,453,070, Nov. 2.
Hyatt, Harlow G., Buffalo, and E. S. Shanley, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Desensitization of solid organic peroxides. 2,453,071, Nov. 2.
Hyde, James F., and O. K. Johannson, assignors to Corning Glass Works, Corning, N. Y. Polymerizing organosiloxanes. 2,453,092, Nov. 2.
Hyman, Julius, assignor to Velsicol Corporation, Chicago, Ill. Insecticide containing methylated naphthalene and 4,4′ dichloro-diphenyltrichloroethane. 2,452,759, Nov. 2.
Ilford Limited, assignee: *See*—
Welford, Stanley F. W.
Illingworth, James W., Little Acton, Sutton Coldfield, and L. F. Pickup, Rochdale, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Treatment of yarns or cords comprising cellulose filaments. 2,453,013, Nov. 2.
Imperial Chemical Industries Limited, assignee: *See*—
Whalley, William B.
International Harvester Company, assignee: *See*—
Blaydes, Frederick T.
International Standard Electric Corporation, assignee: *See*—
Barnard, Roy M.
Kruithof, Jacob, Kozma, and den Hertog.

Ippoliti, Frank, Philadelphia, Pa. Closed edge fly front for garments. 2,452,853, Nov. 2.

Irwin Auger Bit Company, The, assignee: *See*—
Danlton, Benjamin H.

Ivey, Julius C., Cincinnati, Ohio. Angle indicator. 2,452,930, Nov. 2.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Neff, Joseph J.

Jackson, Donald, assignor to Pye Limited, Cambridge, England. Sockets primarily for radio tubes and the like. 2,453,014, Nov. 2.

Jackson, Donald, assignor to Pye, Limited, Cambridge, England. Sockets primarily for radio valves and the like. 2,453,015, Nov. 2.

Jacob, Morris L., assignor to Pittsburgh Annealing Box Company, Pittsburgh, Pa. Annealing box. 2,452,931, Nov. 2.

Jaffe, Hans: *See*—
Kjellgren, Bengt R. F., Malone, and Jaffe.

Jago, John L., Lower Lake, Calif., assignor to the United States of America as represented by the Secretary of War. Delay line. 2,452,572, Nov. 2.

Jarvis, Harold T., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel and ignition control. 2,453,093, Nov. 2.

Jaxheimer, William H.: *See*—
Drum, Harry S., Dodson, and Jaxheimer.

Jeffrey, Company, The, assignee: *See*—
Bird, Byron M.

Jeffrey, Florence H. C., executrix: *See*—
Jeffrey, Robert K.

Jeffrey Manufacturing Company, The, assignee: *See*—
Beltz, John S.
Feight, Oscar J.
Fowler, John T.
Jeffrey, Robert K.

Jeffrey, Robert K., deceased, by F. H. C. Jeffrey, executrix, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Mining machine. 2,452,760, Nov. 2.

Jeffreys, George A., Salem, Va., assignor to N. Littell, New Canaan, Conn. Production of biochemically processed liquid base material for food products. 2,452,534, Nov. 2.

Jergens, Andrew N.: *See*—
Kinney, Aldon M., and Jergens.

Jesionowski, Raymond S., assignor to Plax Corporation, Hartford, Conn. Forming slabs of organic plastic material. 2,452,761, Nov. 2.

Jessup, Alfred C.: *See*—
Ball, Charles J. P., Jessup, Emley, and Wilson.

Johannson, Oscar K.: *See*—
Hyde, James F., and Johannson.

Johnson, Albin E.: *See*—
Johnson, Edwin T. and A. E.

Johnson, Edwin T. and A. E., Walcott, N. Dak. Grain elevator and treating apparatus. 2,453,016, Nov. 2.

Johnson, Fred H., Pleasant Ridge, and C. F. Leathers, said Leathers assignor to Progressive Welder Company, Detroit, Mich. Direct-current apparatus for welding utilizing energy storage apparatus. 2,452,573, Nov. 2.

Johnson, Harold G., assignor to Commercial Solvents Corporation, Terre Haute, Ind. 2-amino-2-alkyl-N,N'-diaryl-1,3 propane diamines and process for making. 2,452,535, Nov. 2.

Johnson, James O., Lewisberry, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector. 2,452,932, Nov. 2.

Johnson, Ralph E., Rahway, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Adjustable eccentric. 2,453,072, Nov. 2.

Jones, Edgar J., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Slip-ring structure. 2,453,073, Nov. 2.

Jones, Lyman L., Seattle, Wash., assignor to American Can Company, New York, N. Y. Welding seam portions of electrically conducting articles. 2,452,574, Nov. 2.

Joppich, Max A., and W. Joure, Detroit, Mich. Beverage mixing and dispensing device. 2,452,933, Nov. 2.

Joseph, Glenn H.: *See*—
Halliday, Thomas W., and Joseph.

Joure, Wallace: *See*—
Joppich, Max A., and Joure.

Joy, Henry W., Yonkers, N. Y. Electrotherapeutical apparatus. 2,452,854, Nov. 2.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Mechanism for applying plastic crowns to containers. 2,452,934, Nov. 2.

Karow, John, De Forest, assignor to S. Quisling, Madison, Wis. Stop light signal device. 2,452,762, Nov. 2.

Kasson, David M.: *See*—
Brenne, Ronald F.

Kaufman, Hiram J., Detroit, Mich. Ice air cooling apparatus having anti-splash means. 2,453,017, Nov. 2.

Kemp, Harold J., Swift Current, Saskatchewan, Canada. Apparatus for treating seeds with chemical dust and bagging the seeds. 2,452,935, Nov. 2.

Kempe, Robert A.: *See*—
Cunningham, John E., and Kempe.

Kempf, Louis W., Lakewood, and L. W. Eastwood, University Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Mold for making castings. 2,452,855, Nov. 2.

Kenny, Charles R., Crestwood, N. Y., assignor to The Sperry Corporation. Automatic frequency control. 2,452,575, Nov. 2.

Kercheval, James E., San Gabriel, assignor to General Air Conditioning Corporation, Los Angeles, Calif. Car cooler. 2,453,018, Nov. 2.

Kerr, Theodore W., West Hollywood, assignor to E. E. Kotkin, doing business as Plastics Process Company, Los Angeles, Calif. Material handling device. 2,452,856, Nov. 2.

Kielmeyer, La Vern R., assignee: *See*—
Davis, Sydney B.

Killingsworth, Robert B., Douglaston, H. T. Van Horn, Kew Gardens, and W. E. Speishouse, Roslyn Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Oxidized asphalt product and making same. 2,453,094, Nov. 2.

Kindevater, William E., Paige, Idaho. Mucking machine for mine shafts. 2,452,763, Nov. 2.

King, Anthony B., Brooklyn, N. Y. Trigonometric calculator. 2,452,662, Nov. 2.

King, Barnwell R., Flushing, N. Y., assignor to The Linde Air Products Company. Metal surface conditioning process. 2,453,019, Nov. 2.

Kinney, Aldon M., and A. N. Jergens, Cincinnati, Ohio. Homogenizer. 2,452,661, Nov. 2.

Kirk, Joseph S., Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Impregnating leather with sulfonated polymeric compositions. 2,452,536, Nov. 2.

Kirwan, John O., Bloomfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Selectable contact transmitter means for sensitive instruments. 2,452,764, Nov. 2.

Kjellgren, Bengt R. F., University Heights, and H. Jaffe, Cleveland Heights, Ohio. Growing crystals. 2,452,576, Nov. 2.

Klein, Howard A.: *See*—
Paulus, Charles L., and Klein.

Knapp-Monarch Company, assignee: *See*—
Snyder, Leland H.

Knobloch, George H., Keyport, N. J. Adjustable baffle holding device. 2,452,936, Nov. 2.

Knott, Edward B., and G. W. W. Stevens, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y. Multilayer photographic element having a mixed grain emulsion and process employing it. 2,452,765, Nov. 2.

Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine with resilient work holding clamp. 2,452,663, Nov. 2.

Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Interpolating potential divider and computer. 2,452,664, Nov. 2.

Koett, Joseph B., assignor, by mesne assignments, to Koett Universal, Inc., Oneonta, N. Y. Lathe grinding device. 2,453,020, Nov. 2.

Koett Universal, Inc., assignee: *See*—
Koett, Joseph B.

Kolsky, Sam, Trenton, N. J. Device for framing ladies' handbags. 2,452,766, Nov. 2.

Koncisky, Anna, New York, N. Y. Handbag lock. 2,453,021, Nov. 2.

Kotkin, E. E., assignee: *See*—
Kerr, Theodore W.

Kotterman, Chester A., Livingston, N. J., assignor to Federal Telephone and Radio Corporation. Dry rectifier element and manufacture. 2,452,577, Nov. 2.

Kozma, Ladislas: *See*—
Kruithof, Jacob, Kozma, and den Hertog.

Kraft, Marie J., assignor to The Warren Featherbone Co., Three Oaks, Mich. Apron. 2,453,074, Nov. 2.

Krake, Foster, assignor to Sporting Specialties Company, Coloma, Mich. Boat-carrying trailer and the like. 2,452,937, Nov. 2.

Krake, Foster, assignor to Sporting Specialties Company, Coloma, Mich. Boat-carrying trailer. 2,452,938, Nov. 2.

Kraus, John D., Newton Center, Mass., assignor to the United States of America as represented by the Secretary of War. Broad-band antenna. 2,452,767, Nov. 2.

Kroll, William J., and F. E. Bacon, Niagara Falls, N. Y., assignors to Electro Metallurgical Company. Separation of metals. 2,452,665, Nov. 2.

Kruithof, Jacob, L. Kozma, and M. den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Telephone system utilizing a register controller. 2,452,578, Nov. 2.

Kuster, Edward H., Del Ray Beach, Fla. Tire deflation operated switch. 2,452,768, Nov. 2.

Kuther, Max K., Monterey, and J. L. Smith, Pacific Grove, Calif. Fish canning machine. 2,452,666, Nov. 2.

La Forge, James L., Caruthersville, Mo. Roller toy. 2,452,939, Nov. 2.

Lambach, Fritz, Tenafly, N. J. Warp knitting machine. 2,452,579, Nov. 2.

Lambert, Arthur J., Wichita, Kans. Illuminated mail box and house number. 2,452,667, Nov. 2.

Land, Edwin H., Cambridge, A. J. Bachelder, Lexington, and O. E. Wolff, assignors to Polaroid Corporation, Cambridge, Mass. Stereo camera range finder system. 2,453,075, Nov. 2.

Lane, Noah F., Arkansas City, Kans. Railway car side bearing. 2,452,940, Nov. 2.

Lang, Karl A., Glenview, assignor to Lindberg Engineering Company, Chicago, Ill. Electric motor control system. 2,452,769, Nov. 2.

Lang, Louis, assignor to The National Sugar Refining Company, New York, N. Y. Cocoa-sugar composition. 2,452,770, Nov. 2.

Larkin, Albert C.: *See*—
Tomkins, Walter M., Larkin, Anthony, Ross, and Mero.

La Rocque Mfg. Co., Inc., The, assignee: *See*—
La Rocque, Samuel W.

La Rocque, Samuel W., assignor to The La Rocque Mfg. Co., Inc., Pawtucket, R. I. Picker spindle. 2,452,771, Nov. 2.

Lau Blower Company, The, assignee: *See*—
Ganger, Karl M., and Burrowes.

Laughlin, Henry, Derry, Pa. Filter. 2,452,772, Nov. 2.

Lawrie, James W.: *See*—
Uihlein, Erwin C., and Lawrie.

Leathers, Chester F.: *See*—
Johnson, Fred H., and Leathers.

Lee, Edwin C., assignor to Standard Telephones and Cables Limited, London, England. Termination for electric power cables. 2,452,580, Nov. 2.

Lee, George P., Stroudsburg, Pa. Toy gun. 2,452,668, Nov. 2.

Lees, Milton H., Jr., assignee: *See*—
Buchet, Conrad R.

Lehmann, Gerard J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Turbogenerator. 2,452,581, Nov. 2.

Leiserson, Lee, Chapel Hill, N. C., assignor to Virginia Smelting Company, West Norfolk, Va. Agents for reducing the surface tensions of liquids. 2,453,022, Nov. 2.

Le Munyon, G. Loren, assignee: *See*—
Trefry, Edgar C.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Adjustable push grader mount. 2,452,774, Nov. 2.

Levin, David, Brooklyn, N. Y. Cutting table. 2,452,773, Nov. 2.

Levine, Max M., Rochester, assignor, by mesne assignments, to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y. Copolymerization of polyesters and vinyl compounds. 2,452,669, Nov. 2.

Levinson, Max E., assignee, et al.: *See*—
Carter, Albert C.

L'Hermite, Robert, assignor to Fondation dite: Groupement Francais Pour Le Developpement des Recherches Aeronautiques, Clermont-Ferrand, France. Machine for testing materials constrained to alternate flexure. 2,453,023, Nov. 2.

Lilienthal, James R.: *See*—
Somers, Brock A., McCoy, and Lilienthal.

Lindberg Engineering Company, assignee: *See*—
Lang, Karl A.

Linde Air Products Company, The, assignee: *See*—
Corson, Michael G.
King, Barnwell R.

Lindsley, Lawrence B., Los Gatos, assignor, by mesne assignments, to Wooldridge Manufacturing Company, Sunnyvale, Calif. Multiple pneumatic clutch. 2,452,775, Nov. 2.

Line Material Company, assignee: *See*—
Schultz, William O.

Lion Manufacturing Corporation, assignee: *See*—
Umbdenstock, Walter.

Liquid Carbonic Corporation, The, assignee: *See*—
Kantor, James.

Littell, Nelson, assignee: *See*—
Jeffreys, George A.

Little, Howard W., near Canton, Ohio. Ventilator. 2,452,941, Nov. 2.

Little, Kenneth B., and J. J. Burton, Easton, Pa., assignors to J. T. Baker Chemical Co., Phillipsburg, N. J. Crystallization of DDT. 2,453,076. Nov. 2.

Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Lead connector for electronic discharge devices. 2,452,582, Nov. 2.

LobLaire, Inc., assignee: *See*—
Curtis, Osborn M., Jr., and Prudden.

Lockheed Aircraft Corporation, assignee: *See*—
Christensen, Stig, Rosenberg, and Swift.

Lomelino, George F., assignor of one-half to L. E. Ostrom, Olney, Ill. Coupling. 2,453,024, Nov. 2.

Lonergan Manufacturing Company, assignee: *See*—
Greer, Carl S., Jr.

Lord, Kenneth M., Canandaigua, and G. E. Warren, Honeoye Falls, N. Y., assignors to Protect-O-Farm Company, Kenosha, Wis. Temperature alarm system. 2,452,942, Nov. 2.

Lothrop, Marcus, United States Navy, Berkeley, Calif. Sleeve valve engine. 2,452,583, Nov. 2.

Loung, Pai Yen, New York, N. Y. Device for cutting non-circular holes. 2,453,025, Nov. 2.

Lovelace, William R., II: *See*—
Boothby, Walter M., Bulbulian, and Lovelace.

Luebkeman, George C., Cincinnati, Ohio, assignor of one-half to J. D. Luebkeman, Libertyville, Ill. Adhesive tape applying device. 2,452,584, Nov. 2.

Luebkeman, J. D., assignee: *See*—
Luebkeman, George C. and J. D.

Mack Manufacturing Corporation, assignee: *See*—
Benning, Walter F.

MacMahon, James D.: *See*—
Vincent, George P., MacMahon, and Synan.

MacMechan, Thomas S., assignor to Midgette Toy Company, Sharon, Mass. Toy moving picture projector. 2,452,776, Nov. 2.

Magnesium Elektron Limited, assignee: *See*—
Ball, Charles J. P., Jessup, Emley, and Wilson.
Emley, Edward F.

Maher, William W., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Ratchet motor control mechanism. 2,452,585, Nov. 2.

Malkemus, John D., Allendale, J. Ross, Ramsay, and D. J. Potter, Ridgewood, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Catalyzed sulfamic acid sulfation. 2,452,943, Nov. 2.

Maney, Robert M., Oklahoma City, Okla. Cigarette extinguisher and ash tray. 2,453,026, Nov. 2.

Marinsky, Davis, assignee: *See*—
Morin, Louis H.

Marks, Arthur A., Portland, Oreg. Hinged back collapsible chair. 2,453,027, Nov. 2.

Martinez, Norberto, Somerville, Tex., assignor to H. Gonzales, Chicago, Ill. Power transmission. 2,452,777, Nov. 2.

Mason, Edwin W., Wyckoff, N. J. Tape dispenser. 2,453,028, Nov. 2.

Mason-Neilan Regulator Company, assignee: *See*—
Robins, John W.

Mathewson Ralph C., West Pittson, Pa. Universal swivel. 2,452,778, Nov. 2.

Mathieson Chemical Corporation, assignee: *See*—
Hampel, Clifford A.
Vincent, George P., MacMahon, and Synan.

Matshak, Richard F.: *See*—
Brennen, Ronald F.

Matthews, Harold J.: *See*—
Bauer, Robert F., and Matthews.

Matzinger, Kenneth: *See*—
McFarland, Joseph L., and Matzinger.

Maxim Silencer Company, The, assignee: *See*—
Bourne, Roland B., Tyskewicz, and Chase.

McBee, Earl T., West Lafayette, Ind., and W. E. Weesner, Richmond Heights, Mo., assignors to Purdue Research Foundation, West Lafayette, Ind. Fluorinated ethers. 2,452,944, Nov. 2.

McCabe, Ira E., Chicago, Ill. Sealed electric motor and transmission. 2,452,945, Nov. 2.

McCollum, Henry J. D., deceased, Chicago, Ill.; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Combustion heater having air preheating and carbureting means. 2,452,779, Nov. 2.

McCollum, Henry J. D., deceased, Chicago, Ill.; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Nonpulsating internal-combustion heater. 2,452,780, Nov. 2.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.

McConnell, Leslie F., Birmingham, Ala., assignor to McConnell Sales and Engineering Corporation. Direct fuel fired unit air heater. 2,452,946, Nov. 2.

McConnell Sales and Engineering Corporation, assignee: *See*—
McConnell, Leslie F.

McCoy, Rawley D.: *See*—
Somers, Brock A., McCoy, and Lilienthal.

McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Phase shift circuits. 2,452,586, Nov. 2.

McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Network measuring apparatus. 2,452,587, Nov. 2.

McFarland, Joseph L., Cairo, W. Va., and K. Matzinger, Detroit, Mich. Cable and cable connector fatigue testing machine. 2,452,588, Nov. 2.

McGrath, William L., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Plural stage refrigeration system and control therefor. 2,453,095, Nov. 2.

McKnight, Charles M., assignee: *See*—
Eickmeyer, Allen G.

McLean, Robert E., Fort Benning, Ga. Rotary type can opener. 2,452,781, Nov. 2.

McLeod, Roderick C., Cropston, and G. B. R. Feilden, Lutterworth, assignors to Power Jets (Research & Development) Limited, London, England. Construction of rotors for compressors and like machines. 2,452,782, Nov. 2.

McWhirter, Eric M. S., and H. J. Ward, assignors to Standard Telephones and Cables Limited, London, England. Electric remote control and indication system. 2,452,589, Nov. 2.

McWhirter, Eric M. S., and H. J. Ward, assignors to Standard Telephones and Cables Limited, London, England. Electric signaling system. 2,452,590, Nov. 2.
Meacham, Larned A.: *See*—
Hecht, George, and Meacham.
Measurements Corporation, assignee: *See*—
Van Beuren, John M.
Meidenbauer, Phillip E., Jr., assignor to Scott Aviation Corporation, Lancaster, N. Y. Breathing apparatus. 2,452,670, Nov. 2.
Merck & Co., Inc., assignee: *See*—
Engels, William H.
Mero, Ralph M.: *See*—
Tomkins, Walter M., Larkin, Anthony, Ross, and Mero.
Merrill, Lewis B., Baldwin, assignor to H. V. Tutton, Detroit, Mich. Track-laying tractor. 2,452,671, Nov. 2.
Mesaros, George, Linden, N. J. Piston ring tool. 2,452,857, Nov. 2.
Metzger, F. F., and Son, assignee: *See*—
Mostertz, Franz C.
Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Pin-wheel feed. 2,452,591, Nov. 2.
Meyer, Clarence H., Ann Arbor, Mich., assignor to Argus, Incorporated. Telescopic sight. 2,452,592, Nov. 2.
Meyerhans, August, Rieden, near Baden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Bushing for oil-filled electrical apparatus. 2,452,947, Nov. 2.
Midgette Toy Company, assignee: *See*—
MacMechan, Thomas S.
Miller, Edward H., Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Wire looping machine. 2,452,593, Nov. 2.
Miller, John W., and B. D. Figg, assignors to Motor Wheel Corporation, Lansing, Mich. Draft regulator. 2,453,096, Nov. 2.
Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.
Miller, Samuel A., and W. H. Groombridge, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Manufacture of unsaturated organic compounds. 2,452,672, Nov. 2.
Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Method of and apparatus for producing pottery ware. 2,452,858, Nov. 2.
Mills, Leon D., Tacoma, Wash. Open pot oil burner with unbalanced air supply. 2,453,029, Nov. 2.
Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Olander, Roland J.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
McGrath, William L.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Smith, George B.
Mintz, Julius, assignee, et al.: *See*—
Carter, Albert C.
Mitchell, W. K., & Company, Inc., assignee: *See*—
Bissout, Herbert A., and Borresen.
Monsanto Chemical Company, assignee: *See*—
Zienty, Ferdinand B.
Montclair Research Corporation, assignee, et al.: *See*—
Rust, John B., and Canfield.
Moody, George D., assignor of one-third to R. E. Moody, Arkansas City, Kans. Deodorizing and steam condensing device. 2,452,859, Nov. 2.
Moody, Ralph E., assignee: *See*—
Moody, George D.
Morey, Glen H., and R. F. Taylor, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of halogenated olefins. 2,453,089, Nov. 2.
Morey, Robert E.: *See*—
Taylor, Howard F., and Morey.
Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Coaxial cable. 2,452,948, Nov. 2.
Morris, Nathan, Silver Spring, Md., assignor, by mesne assignments, to American Instrument Co., Inc. Refrigeration employing dry ice. 2,452,594, Nov. 2.
Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Sulfolanyl sulfones. 2,452,949, Nov. 2.
Morrison, Hackley, assignor to Texfan Company, Houston, Tex. Window fan. 2,452,950, Nov. 2.
Moscove, Louis, Chicago, Ill. Question and answer rating device. 2,452,673, Nov. 2.
Mostertz, Franz C., assignor to F. F. Metzger and Son, Philadelphia, Pa. Extensometer or strain gauge. 2,452,860, Nov. 2.
Motor Wheel Corporation, assignee: *See*—
Miller, John W., and Figg.
Motorola, Inc., assignee: *See*—
Holthouse, Harry B.
Mowery, Dwight F., Jr., Springfield, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N(ethyl mercury) para-toluene sulfonanilide and making same. 2,452,595, Nov. 2.
Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Current converting tube 2,452,861, Nov. 2.
National Acme Company, The, assignee: *See*—
Brown, Harry W.
National Blank Book Company, assignee: *See*—
Schade, Frank S.
National Sugar Refining Company, The, assignee: *See*—
Lang, Louis.
Nebesar, Robert J., assignor to Universal Moulded Products Corporation, Bristol, Va. Shockproof aerial delivery contrivance. 2,452,783, Nov. 2.
Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electric gauging head. 2,452,862, Nov. 2.
Nelson, Hilding E.: *See*—
White, Ira M., and Nelson.
Nenninger, Lester F., and F. A. Hassman, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Knee actuating mechanism for milling machines. 2,452,674, Nov. 2.
Newitt, John H., Maplewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finding system. 2,452,675, Nov. 2.
Newman, Irving I., Leominster, Mass., assignor to Reliance Molded Plastics, Inc., Providence, R. I. Rack for poker chips and the like. 2,453,030, Nov. 2.
Newton, Robert J., Honolulu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Can dumping machine. 2,453,077, Nov. 2.
Nicholas Equipment Company, assignee: *See*—
Nicholas, Herbert T.
Nicholas, Herbert T., Huron, Ohio, assignor to Nicholas Equipment Company. Polishing machine. 2,452,863, Nov. 2.
Nietsche, Hans E., Detroit, Mich. Motor mechanism. 2,452,864, Nov. 2.
Nietsche, Hans E., Detroit, Mich. Toy. 2,452,865, Nov. 2.
Noodleman, Samuel, Dayton, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical motor control system. 2,452,784, Nov. 2.
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Seaming roller mounting. 2,452,596, Nov. 2.
Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Crystal oscillator circuits. 2,452,951, Nov. 2.
North American Aviation, Inc., assignee: *See*—
Patch, Arthur C.
North American Research Corporation, assignee: *See*—
Hammann, Carl F.
O'Brien, Edgar, assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Adjustable inductor. 2,452,676, Nov. 2.
Oertel, Carl H., Baltimore, Md. Colloid dental tray. 2,452,866, Nov. 2.
Ohio-Kentucky Manufacturing Company, assignee: *See*—
Sonnett, William J., and Stobbe.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,452,677, Nov. 2.
Olds, Earl M., Jr., Van Nuys, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematographic apparatus. 2,453,031, Nov. 2.
Olin, John F.: *See*—
Robinson, Correl N., Jr., and Olin.
Olney, William H., Youngstown, Ohio. Trailer hitch. 2,452,785, Nov. 2.
Olsen, Robert I., U. S. Navy. Low-temperature engine starting aid. 2,452,597, Nov. 2.
O'Neill, Harry T., Taunton, Mass., assignor to the United States of America as represented by the Secretary of War. Cathode structure. 2,452,786, Nov. 2.
Orinik, Michael T., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Solution consisting of a polymeric N-vinyl pyrrole compound and chloroform. 2,453,097, Nov. 2.
Örström, Gustaf: *See*—
Ekström, Gunnar, and Örström.
Ostrom, Lawrence E., assignee: *See*—
Lomelino, George F.
Padgett, Willie P.: *See*—
Harris, Leonard O. D., and Padgett.
Page, Robert M., Washington, D. C. Multiple range indicator. 2,452,598, Nov. 2.
Palazzo, Anthony B. C.: *See*—
Whipple, Jack V., and Palazzo.
Palmer, F. R., Inc., assignee: *See*—
Palmer, Frank D.
Palmer, Frank D., assignor to F. D. Palmer, Inc., Chicago, Ill. Carton. 2,452,952, Nov. 2.
Palumbo, Joseph, Bronx, N. Y. Emergency telephone call and circuit therefor. 2,453,032, Nov. 2.
Parker Appliance Company, The, assignee: *See*—
Wolfram, John N.
Patch, Arthur C., Van Nuys, Calif., assignor to North American Aviation, Inc. Landing gear system. 2,452,787, Nov. 2.
Patterson, Velt C., assignor to York Corporation, York, Pa. Vacuum drying apparatus using a refrigerant system for heating and cooling. 2,453,033, Nov. 2.
Paul, William E., Schenectady, N. Y., and J. W. Timmerman, Jr., Springfield, and R. E. Bold, Drexel Hill, Pa., assignors to General Electric Company. Circuit interrupting apparatus. 2,452,953, Nov. 2.

Paulus, Charles L., Dayton, Ohio, and H. A. Klein, Oakdale, Pa. Control system for target aircraft. 2,452,599, Nov. 2.
Pekarek, Edward G.: *See*—
Bartlett, Kenneth M., and Pekarek.
Pelton Water Wheel Company, The, assignee: *See*—
White, Ira M., and Nelson.
Peters, John H., Toledo, Ohio. Telescopic fishing rod. 2,452,788, Nov. 2.
Peterson, Harold A., Madison, Wis., assignor to General Electric Company. Network analyzer apparatus. 2,453,954, Nov. 2.
Philco Corporation, assignee: *See*—
Rudoy, William.
Smith, David B.
Phillips Petroleum Company, assignee: *See*—
Clark, Alfred.
Fleming, Harold W.
Schribner, Allison K., and Wilder.
Photoswitch Incorporated, assignee: *See*—
Thomson, E. Craig.
Pickens, Madison D., assignee: *See*—
Brown, Alexander M.
Pickup, Leslie F.: *See*—
Illingworth, James W., and Pickup.
Pike, Albert F., Houston, Tex. Trailer. 2,452,789, Nov. 2.
Pittsburgh Annealing Box Company, assignee: *See*—
Jacob, Morris L.
Pizzarelli, Ernest, New York, N. Y. Fastening means. 2,453,034, Nov. 2.
Plastics Process Company, assignee: *See*—
Kerr, Theodore W.
Plax Corporation, assignee: *See*—
Jeslonowski, Raymond S.
Pledger, William A., San Francisco, Calif. Pressure cooker. 2,452,790, Nov. 2.
Polaroid Corporation, assignee: *See*—
Fairbank, Murry N.
Land, Edwin H., Bachelder, and Wolff.
Ponsy, Louis E., Clichy, assignor to "Silto S. A.," Paris, France. Multiple function switch. 2,453,035, Nov. 2.
Pool, John E., Washington, D. C., and J. W. P. Beaver, Alexandria, Va. Clip loading machine. 2,452,600, Nov. 2.
Poole, Arthur B., Harwinton, Conn. Electromagnetic audible-signal device. 2,452,678, Nov. 2.
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for wave length transformation of very short waves. 2,453,078, Nov. 2.
Potter, Dwight J.: *See*—
Malkemus, John D., Ross, and Potter.
Power Jets (Research & Development) Limited, assignee: *See*—
McLeod, Roderick C., and Feilden.
Powers, Walter P., Spring Lake, assignor to Associated Patentees, Inc., Ampere, N. J. System for transmitting motion from a movable measuring element to a movable informing element. 2,453,098, Nov. 2.
Pressley, Felix H., Piedmont, S. C. Check for picker stick of looms. 2,452,955, Nov. 2.
Presstite Engineering Company, The, assignee: *See*—
Sussenbach, Paul.
Price, Harold C., and B. V. Elliott, assignors, by mesne assignments, to H. C. Price Co., Bartlesville, Okla. Hydraulic internal line-up clamp. 2,452,867, Nov. 2.
Progressive Welder Company, assignee: *See*—
Johnson, Fred H., and Leathers.
Protect-O-Farm Company, assignee: *See*—
Lord, Kenneth M., and Warren.
Purdue Research Foundation, assignee: *See*—
McBee, Earl T., and Weesner.
Pye Limited, assignee: *See*—
Edwards, Baden J.
Jackson, Donald.
Quinlan, Joseph A., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Directional control means for highway crossing signals. 2,452,868, Nov. 2.
Quisling, Sverre, assignee: *See*—
Karow, John.
Raasch, Maynard S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorohydracrylic acids and their esters. 2,452,791, Nov. 2.
Radio Corporation of America, assignee: *See*—
Dow, Orville E.
Szikiai, George C.
Usselman, George L.
Weimer, Paul K.
Wood, Lawrence A., Jr.
Raffold Process Corporation, assignee: *See*—
Rafton, Harold R.
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Treatment of calcium sulfite. 2,453,099, Nov. 2.
Ramsden, Clayton W., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio-frequency transformer. 2,452,679, Nov. 2.
Ranger, Richard H., U. S. Army, Newark, N. J. Frequency control means. 2,452,601, Nov. 2.
Ransomes & Rapier Limited, assignee: *See*—
Cameron, Colin M.

Rapids-Standard Company, The, assignee: *See*—
Wooldring, Bert.
Ratcliffe, Robert E., Dallas, Tex. Curtain and shade support. 2,452,680, Nov. 2.
Rehberger, Edward A., South Orange, N. J. Heavy-duty trailer. 2,452,681, Nov. 2.
Reitsma, Henry, Hackensack, assignor of one-half to J. G. Hunter, Ridgewood, N. J. Grip measuring ball for bowlers. 2,453,036, Nov. 2.
Reliance Molded Plastics, Inc., assignee: *See*—
Newman, Irving I.
Remy, Walter W., Angola, Ind. Reflector drift indicator apparatus for boats and aircraft. 2,452,682, Nov. 2.
Renfrew, Edgar E., Jr., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Carbalkoxy aminoanthraquinone sulfonamides. 2,453,100, Nov. 2.
Reynolds, Carl W., Barboursville, W. Va. Nail puller. 2,453,037, Nov. 2.
Richards, Donald L., Portland, Oreg. Hobbyhorse. 2,452,869, Nov. 2.
Rieke, John W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sweep circuit. 2,452,683, Nov. 2.
Roberts, Charles H., Cheyenne, Wyo. Collapsible stand. 2,452,792, Nov. 2.
Robie, Norman P., Lewiston, assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive products. 2,452,793, Nov. 2.
Robins, John W., Westwood, assignor to Mason-Neilan Regulator Company, Boston, Mass. Valve. 2,452,956, Nov. 2.
Robinson, Correl N., Jr., Trenton, and J. F. Olin, Grosse Ile, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of aliphatic polyamines. 2,452,602, Nov. 2.
Robinson, Vernon C., Phoenix, Ariz. Portable hod stand. 2,452,684, Nov. 2.
Rockford Machine Tool Company, assignee: *See*—
Herrstrum, Rudolph E.
Rosenberg, William G.: *See*—
Christensen, Stig, Rosenberg, and Swift.
Ross, John: *See*—
Malkemus, John D., Ross, and Potter.
Ross, Oakland K.: *See*—
Tomkins, Walter M., Larkin, Anthony, Ross, and Mero.
Rossmann, Peter F., Morristown, N. J. One-piece sucker rod. 2,453,038, Nov. 2.
Rossmann, Peter F., Morristown, N. J. Prestressed sucker rod. 2,453,079, Nov. 2.
Rowe Manufacturing Co., Inc., The, assignee: *See*—
Gabrielsen, Christian.
Ruberoid Co., The, assignee: *See*—
Abraham, Herbert.
Rudoy, William, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Humidity control apparatus. 2,452,685, Nov. 2.
Rust, John B., West Orange, and W. B. Canfield, Montclair, N. J., assignors of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Reaction product of rosin and copolymer of vinyl acetate and an alpha-unsaturated carboxylic acid ester and making same. 2,452,870, Nov. 2.
Saachy, Thomas, New York, N. Y. Bubble making machine. 2,452,794, Nov. 2.
Sabin, Archie R., Alexandria, Va. Moisture control device. 2,452,957, Nov. 2.
Sachanen, Alexander N.: *See*—
Caesar, Philip D., and Sachanen.
Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ice tray. 2,452,686, Nov. 2.
Sasiaw, Otto, Lyndhurst, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Metal contact rectifier. 2,452,603, Nov. 2.
Savage Arms Corporation, assignee: *See*—
Hussey, Chester L.
Savoie, Mark E., Cleveland, Ohio. Eraser holding mechanism. 2,452,795, Nov. 2.
Scarborough, William B., assignee, as trustee: *See*—
Fairchild, Sherman M.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Visible index. 2,452,687, Nov. 2.
Schild, Otto, La Chaux-de-Fonds, Switzerland. Synchronous electric motor with automatic starter. 2,452,958, Nov. 2.
Schlett, Otto, Woodside, N. Y. Combination emergency wheel and antiskid device. 2,452,688, Nov. 2.
Schlitz, Jos., Brewing Company, assignee: *See*—
Uihlein, Erwin C., and Lawrie.
Schmitz, William R., Jr.: *See*—
Bradshaw, William H., and Schmitz.
Schnepel, Frederick V., Middle River, Md. Ash tray. 2,452,871, Nov. 2.
Schott, John F., et al.: *See*—
Daly, Lawrence E., and Schott.
Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Combined fuse and demand meter. 2,452,872, Nov. 2.

Schulz, Fred R., Scotch Plains, assignor to Essell Corporation, Newark, N. J.; B. Verney, trustee in bankruptcy of said Essell Corporation. Miniature permanent magnet motor. 2,453,101, Nov. 2.

Scott Aviation Corporation, assignee: *See*—
Meidenbauer, Phillip E., Jr.

Scribner, Allison K., and F. W. Wilder, Portsmouth, Va., assignors, by mesne assignments, to Phillips Petroleum Company. Manufacture of resins from sulfur dioxide and unsaturated organic compounds. 2,453,039, Nov. 2.

Scully, Charles T.: *See*—
Chatterjea, Prafulla K., and Scully.

Seawright, Johnnie J., Goldville, S. C. Automatic builder motion knockoff for roving frames. 2,452,873, Nov. 2.

Segall, Louis H.: *See*—
Tognola, Tullio, and Segall.

Selsmeyer, Edward L., Green Bay, Wis. Method of and apparatus for inclosing a folded parachute pack. 2,452,604, Nov. 2.

Shafer, Henry M.: *See*—
Wolthuis, Enno, and Shafer.

Shallenberg, Walter, assignor to The Deming Company, Salem, Ohio. Pumping system. 2,452,874, Nov. 2.

Shanley, Edward S.: *See*—
Hyatt, Harlow G., and Shanley.

Shannon, Robert B., Akron, Ohio. Convection type electrical heating device. 2,452,875, Nov. 2.

Shanton, Leon R., Cherryvale, Kans. Lubricated crank structure. 2,452,605, Nov. 2.

Sharma, Jagan N., Los Angeles, Calif., assignor of nine one-hundredths to W. H. Wilson, nine one-hundredths to A. E. Wilson, nine one-hundredths to N. Doyle, nine one-hundredths to W. H. Wilson, Jr., nine one-hundredths to R. M. Wilson, five one-hundredths to A. H. Wilson. Treating leafy vegetables. 2,453,040, Nov. 2.

Sharp, William A., National City, assignor to Solar Aircraft Company, San Diego, Calif. Self-locking pliers with crossed handles. 2,453,041, Nov. 2.

Sharples Chemicals Inc., assignee: *See*—
Robinson, Correl N., Jr., and Olin.

Shaw, Henry, Bessacarr, Doncaster, England. Welding rod and electrode holder. 2,452,876, Nov. 2.

Shell Development Company, assignee: *See*—
Gilbert, Walton E.
Morris, Rupert C., and Shokal.
Wachter, Aaron.
Williams, Paul H., and Ballard.

Sheppard, William F., Chicago, Ill. Foldaway shoe tree. 2,452,689, Nov. 2.

Sheridan, Henry M., Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn. Tool bit and holder therefor. 2,452,877, Nov. 2.

Shimp, William A., Minneapolis, Minn. Liquid measuring and dispensing apparatus. 2,453,080, Nov. 2.

Shivell, Homer J., Kingsport, Tenn. Check strap. 2,452,690, Nov. 2.

Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Isomerization of paraffinic hydrocarbons. 2,452,691, Nov. 2.

Shokal, Edward C.: *See*—
Morris, Rupert C., and Shokal.

Shore, William F., Freeport, N. Y. Gauge for measuring and indicating the hardness of various substances. 2,453,042, Nov. 2.

Sidebotham, Melvin H., Newton, Mass. Machine for thermoplastically treating materials. 2,452,959, Nov. 2.

Siegel, Alfred, Roselle, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phthalocyanine pigments and process for producing same. 2,452,606, Nov. 2.

"Silto, S. A.," assignee: *See*—
Ponsy, Louis E.

Singer Manufacturing Company, The, assignee: *See*—
Johnson, Ralph E.

Skibsted, Ole M., Wolford, N. Dak. Self-releasing rope hitch. 2,452,796, Nov. 2.

Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Methods of packaging. 2,452,607, Nov. 2.

Sleep, Herbert A., Yreka, Calif. Duck strap. 2,452,692, Nov. 2.

Smith, A. O., Corporation, assignee: *See*—
Gruetjen, Frederick A.

Smith, David B., Flourtown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Method and apparatus for indicating frequency coincidence between alternating currents or voltages. 2,452,960, Nov. 2.

Smith, Drum & Company, assignee: *See*—
Drum, Harry S., Dodson, and Jaxheimer.

Smith, George B., Evanston, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Iron oxide pigments and producing the same. 2,452,608, Nov. 2.

Smith, Henry B., Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc. Stripping of acetaldehyde from alcol by hydrocarbon vapors. 2,452,797, Nov. 2.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil compositions resistant to foaming. 2,452,693, Nov. 2.

Smith, James L.: *See*—
Kuther, Max K., and Smith.

Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Protective switch. 2,452,961, Nov. 2.

Snethen, George E., Oklahoma City, Okla. Line marking tool. 2,452,962, Nov. 2.

Snyder, Leland H., Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Massaging device. 2,452,798, Nov. 2.

Societe Francaise de Construction de Bennes Automatiques, assignee: *See*—
Allard, Pierre J. T.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Brown, Henry T.
Caesar, Philip D.
Caesar, Philip D., and Sachanen.
Happel, John, and Cauley.
Killingsworth, Robert B., Van Horn, and Spelshouse.

Sofia, Aurelius, Mamaroneck, N. Y. Anchor fastening. 2,452,694, Nov. 2.

Solar Aircraft Company, assignee: *See*—
Sharp, William A.

Solomon, Nathan L., Englewood, N. J. Hair net. 2,453,043, Nov. 2.

Somers, Brock A., Garden City, R. D. McCoy, Bronxville, and J. R. Lilienthal, Brooklyn, N. Y., assignors to The Sperry Corporation. Antihunt follow-up system. 2,452,609, Nov. 2.

Sommer, Emile A., North Hollywood, Calif. Seed planter. 2,452,963, Nov. 2.

Sonnenfeld, Hugo, Bradford, assignor to Standard Telephones and Cables Limited, London, England. Extrusion machine for producing power cables. 2,452,610, Nov. 2.

Sonnett, William J., and B. B. Stobbe, assignors to Ohio-Kentucky Manufacturing Company, Ada, Ohio. Baseball mitt. 2,452,695, Nov. 2.

Speaker, David M., East Orange, N. J., and J. B. Hersh, Flushing, N. Y. Apparatus for and method of measuring or indicating limb or digital volume changes resulting from arterial pulsations. 2,452,799, Nov. 2.

Spelshouse, Wallace E.: *See*—
Killingsworth, Robert B., Van Horn, and Spelshouse.

Sperry Corporation, The, assignee: *See*—
Hansen, William W., and Woodyard.
Kenny, Charles R.
McCoy, Rawley D.

Spiadis Société pour l'Application d'Inventions Scientifiques, assignee: *See*—
Esnault-Pelterie, Robert.

Sporting Specialties Company, assignee: *See*—
Krake, Foster.

Stabler, Robinson R., Greensboro, N. C. Dressing and repointing hypodermic needles. 2,452,696, Nov. 2.

Stabler, Robinson R., Greensboro, N. C. Device for sharpening hypodermic needles. 2,452,697, Nov. 2.

Staff, Charles E., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Producing cyclopentadiene and its homologues. 2,453,044, Nov. 2.

Stahell, Paul, Arvida, Quebec, Canada. Foot scraper. 2,452,800, Nov. 2.

Standard Oil Company, assignee: *See*—
Shoemaker, Bernard H.

Standard Register Company, The, assignee: *See*—
Metzner, Albert W.

Standard Telephones and Cables Limited, assignee: *See*—
Chatterjea, Prafulla K., and Scully.
Fremlin, John H.
Gibson, William T.
Glover, William F.
Lee, Edwin C.
McWhirter, Eric M. S., and Ward.
Sonnenfeld, Hugo.

Stan-Wall Manufacturing Company, assignee: *See*—
Allen, Elmo W.

Stapling Machines Co., assignee: *See*—
Woodbury, Glen P.

Sterling Motor Truck Company, Inc., assignee: *See*—
Blau, Arthur H.

Stevens, Guy W. W.: *See*—
Knott, Edward B., and Stevens.

Stewart-Warner Corporation, assignee: *See*—
McCollum, Henry J. D.

Stobbe, Benjamin B.: *See*—
Sonnett, William J., and Stobbe.

Stone, Eugene R., Washington, D. C. Violin peg. 2,452,964, Nov. 2.

Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electric regulator. 2,452,611, Nov. 2.

Strebinger, Richard R., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,452,698, Nov. 2.

Strickland, Thomas B., Animas, N. Mex. Counterbalancing attachment for pumps. 2,452,802, Nov. 2.

Strom, Herbert F., West Allis, Wis., assignor to Sunbeam Corporation. Apparatus for high-frequency induction heating. 2,452,801, Nov. 2.

Studebaker Corporation, The, assignee: *See*—
Greenlee, Harry R.

Submarine Signal Company, assignee: *See*—
Clement, Ivan C.
Hubbard, Beverly R.

Sudiah, Esther, and R. Sudiah, deceased; Brooklyn, N. Y., by E. Sudiah, legal representative. Self-adjustable shoe upper. 2,452,803, Nov. 2.

Sudiah, Rachel, deceased: *See*—
Sudiah, Esther and R.

Sulprizio, Deuta, Oakland, Calif. Machine construction. 2,452,804, Nov. 2.

Sulprizio, Deuta, Oakland, Calif. Bearing for spindles and the like. 2,452,965, Nov. 2.

Sunbeam Corporation, assignee: *See*—
Strom, Herbert F.

Sundstrand Machine Tool Co., assignee: *See*—
Wahlmark, Gunnar A.

Sussenbach, Paul, assignor to The Presstite Engineering Company, St. Louis, Mo. Composition of matter for sealing spot-welded joints. 2,452,805, Nov. 2.

Sutherland, Ernest E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric terminal receptacle. 2,453,045, Nov. 2.

Sutton, Otis B., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,452,699, Nov. 2.

Sutton, Willard J., Gary, Ind. Welding jig for broken drills. 2,453,046, Nov. 2.

Swenberg, Walter A., Long Beach, Calif. Relief valve assembly for ventilation system. 2,452,612, Nov. 2.

Swift, Jay D.: *See*—
Christensen, Stig, Rosenberg, and Swift.

Synan, John F.: *See*—
Vincent, George P., MacMahon, and Synan.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Wide band amplifier. 2,453,081, Nov. 2.

Tabb, Braxton H., Jr.: *See*—
Gillette, John C., and Tabb.

Tappan Stove Company, The, assignee: *See*—
Bauer, William.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Copolymers of 2,5-dimethyl-1,5-hexadiene and acrylic esters. 2,452,700, Nov. 2.

Taylor, Howard F., Washington, D. C., and R. E. Morey, Forest Heights, Md. Determining effect of mold conditions on metal castings. 2,452,613, Nov. 2.

Taylor, John A., Elmhurst, assignor to Heinz Art Service, New York, N. Y. Sheet material display device. 2,453,047, Nov. 2.

Taylor, Robert F.: *See*—
Morey, Glen H., and Taylor.

Taylor, Taylor & Hobson Limited, assignee: *See*—
Cox, Arthur.

Technicolor Motion Picture Corporation, assignee: *See*—
Olds, Earl M., Jr.

Teetsell, Roy J., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Electrical test circuit. 2,452,614, Nov. 2.

Tetziaff, Benjamin A., deceased, Riverside, Ill.; L. B., R. W., and C. C. Tetziaff, executors. 2,453,806, Nov. 2.

Tetziaff, Clarence C., et al., executors: *See*—
Tetziaff, Benjamin A.

Tetziaff, Lillian B., et al., executors: *See*—
Tetziaff, Benjamin A.

Tetziaff, Ralph W., et al., executors: *See*—
Tetziaff, Benjamin A.

Texas Company, The, assignee: *See*—
Atwell, Harold V.

Texaco Development Corporation, assignee: *See*—
Hayes, Everett P., and Garrison.

Texfan Company, assignee: *See*—
Morrison, Hackley.

Thew Shovel Company, The, assignee: *See*—
Gillespie, Alex J.

Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,452,966, Nov. 2.

Thomas, Orrin H., Williamsport, Pa. Connector plug. 2,452,967, Nov. 2.

Thompson, Harry E., Sidney, Ohio. Sealed refrigeration unit. 2,452,807, Nov. 2.

Thompson Products, Inc., assignee: *See*—
Bartlett, Kenneth M., and Pekerek.
Cunningham, John E., and Kempe.

Thomson, E. Craig, Boston, assignor to Photoswitch Incorporated, Cambridge, Mass. Electric supervisory apparatus. 2,452,615, Nov. 2.

Timken Roller Bearing Company, The, assignee: *See*—
Boden, Ernest G.

Timmerman, Julius W., Jr.: *See*—
Paul, William E., Timmerman, and Bold.

Titanium Alloy Manufacturing Company, The, assignee: *See*—
Wainer, Eugene, and Van Mater.

Tittle, Hulburt C., Cheektowaga, assignor to Colonial Radio Corporation, Buffalo, N. Y. Automatic tuning control circuit. 2,452,878, Nov. 2.

Tognola, Tullio, and L. H. Segall, Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Spark plug and making the same. 2,453,048, Nov. 2.

Tomkins, Walter M., and A. C. Larkin, Pointe St. Charles, Montreal, J. C. Anthony and O. K. Ross, St. Laurent, Quebec, Canada, and R. M. Mero, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for immersing edge portions of blank plate in successive treating baths. 2,452,879, Nov. 2.

Toronto Carpet Manufacturing Co. Limited, assignee: *See*—
Davidson, James.

Towne, Carlton G.: *See*—
Guild, Lurelle, and Towne.

Trefry, Edgar C., assignor of one-half to G. L. Le Munyon, Los Angeles County, Calif. Implement mounting. 2,452,701, Nov. 2.

Triller, David P., Indianapolis, Ind. Door-sag correcting mechanism. 2,453,049, Nov. 2.

Tucker, Morris, assignor to R. Tucker, Brooklyn, N. Y. Bed slat. 2,452,808, Nov. 2.

Tucker, Robert, assignee: *See*—
Tucker, Morris.

Turbett, Forrest L., Joplin, Mo., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Smelting titaniferous ore. 2,453,050, Nov. 2.

Turnbull, Stockton G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 3,4-dihydroxythiophene-2,5-dicarboxylic acid production. 2,453,102, Nov. 2.

Turnbull, Stockton G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Decarboxylation of 3,4-dihydroxy-2,5-dicarboxythiophene. 2,453,103, Nov. 2.

Tutton, Harry V., assignee: *See*—
Merrill, Lewis B.

Tyskewicz, John P.: *See*—
Bourne, Roland B., Tyskewicz, and Chase.

Tyson, Archie M., Dallas, Tex. Resonator for musical instruments. 2,452,809, Nov. 2.

Uglow, Lenaard V., Minatare, Nebr. Seed potato cutting machine. 2,452,810, Nov. 2.

Ulilein, Erwin C., Grafton, and J. W. Lawrie, assignors to Jos. Schlitz Brewing Company, Milwaukee, Wis. Stabilizing beer against radiation deterioration. 2,452,968, Nov. 2.

Umbdenstock, Walter, assignor to Lion Manufacturing Corporation, Chicago, Ill. Drill grinding machine. 2,452,702, Nov. 2.

Umbdenstock, Walter, assignor to Lion Manufacturing Corporation, Chicago, Ill. Drill grinding machine. 2,452,703, Nov. 2.

Union Oil Company of California, assignee: *See*—
Bauer, Robert F., and Matthews.

Union Switch & Signal Company, The, assignee: *See*—
Quinlan, Joseph A.

United Aircraft Corporation, assignee: *See*—
Dickerman, Fred N.
Jarvis, Harold T.

United Shoe Machinery Corporation, assignee: *See*—
Knowlton, Cutler D.

United States Atomic Energy Commission, the United States of America as represented by the, assignee: *See*—
Duffey, Dick.

U. S. Industrial Chemicals, Inc., assignee: *See*—
Smith, Henry B.

United States Rubber Company, assignee: *See*—
Cuthbertson, George R.
Daly, Lawrence E., and Schott.
Tawney, Pliny O.

Universal Moulded Products Corporation, assignee: *See*—
Nebesar, Robert J.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency divider. 2,452,811, Nov. 2.

Vacca, Umberto, Brooklyn, N. Y. Bathing trunks. 2,453,051, Nov. 2.

Van Beuren, John M., Morristown, assignor to Measurements Corporation, Boonton, N. J. Electronic voltmeter. 2,452,880, Nov. 2.

Van Etten, Howard A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stain resistant plasticized polyvinyl chloride resin coatings. 2,453,052, Nov. 2.

Van Horn, Harry T.: *See*—
Killingsworth, Robert B., Van Horn, and Spelshouse.

Van Mater, Henry L.: *See*—
Wainer, Eugene, and Van Mater.

Velsicol Corporation, assignee: *See*—
Hyman, Julius.

Verney, Bernard, trustee: *See*—
Schulz, Fred R.

Vezie, Leo W., Phoenix, Ariz. Safety valve coffee maker. 2,452,881, Nov. 2.

Victor, Eva G., Mansfield, Ohio. Pie container. 2,452,969, Nov. 2.

Vincent, George P., Briarcliff Manor, and J. D. MacMahon, Niagara Falls, N. Y., and J. F. Synan, Fall River, Mass., assignors to Mathieson Chemical Corporation. Treatment of water. 2,452,970, Nov. 2.

Vincent, George P., Briarcliff Manor, and J. D. MacMahon, Niagara Falls, N. Y., and J. F. Synan, Fall River, Mass., assignors to Mathieson Chemical Corporation. Treatment of water. 2,452,971, Nov. 2.

Virginia Smelting Company, assignee: *See*—
Leiserson, Lee.

Visco, August, Philadelphia, Pa. Folding match book. 2,452,882, Nov. 2.

Vogt, Curt G., Union, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Aminoanthraquinone sulfonamides. 2,453,104, Nov. 2.

Von Rodenstein, Karl, Baltimore, Md. Muffler. 2,452,972, Nov. 2.
Wachter, Aaron, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Prevention of corrosion in hydrogen fluoride catalytic organic reactions. 2,452,812, Nov. 2.
Wade, Stanley M., Benicia, assignor of one-half to J. R. Wiederrich, Lodi, Calif. Therapeutic agent. 2,452,813, Nov. 2.
Wagle, Ira G., Washington, D. C. Hair clamp. 2,452,814, Nov. 2.
Wagner, Carl J., Detroit, Mich. Window construction. 2,452,815, Nov. 2.
Wagner, Venus M., Denver, Colo. Jaw-supporting appliance. 2,452,816, Nov. 2.
Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Hydraulic transmission and control. 2,452,704, Nov. 2.
Wainer, Eugene, Niagara Falls, N. Y., and H. L. Van Mater, Highland Park, N. J., assignors to The Titanium Alloy Manufacturing Company, Niagara Falls, N. Y. Zirconium lakes and making same. 2,452,616, Nov. 2.
Wallace & Tiernan Products, Inc., assignee: *See*— Kirwan, John O.
Walper, Curry O., Kitchener, Ontario, Canada. Anti-splash heel. 2,452,883, Nov. 2.
Wannamaker, William H., Jr., Flourtown, assignor to The Brown Instrument Company, Philadelphia, Pa. Analyzing apparatus. 2,453,053, Nov. 2.
War, the United States of America as represented by the Secretary of, assignee: *See*— Appleton, Robert A., Hickman, and Bjork. Eisenstein, Albert S., and Germeshausen. Fawcett, Cecil C., and Hart. Jago, John L. Kraus, John D. Noodleman, Samuel. O'Neill, Harry T. Teetsell, Roy J. Wolf, James M.
Ward, Hugh J.: *See*— McWhirter, Eric M. S., and Ward.
Warren Featherbone Co., assignee: *See*— Kraft, Marie J.
Warren, Glenn E.: *See*— Lord, Kenneth M., and Warren.
Wechsler, Joseph W., New York, N. Y. Gas operated shoulder weapon. 2,452,617, Nov. 2.
Weeks, David L., Berkeley, Calif. Snubbing device for catapults. 2,452,618, Nov. 2.
Weesner, William E.: *See*— McBee, Earl T., and Weesner.
Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray tube. 2,452,619, Nov. 2.
Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Electrode support in television tubes. 2,462,620, Nov. 2.
Weir, Chester I., Buffalo, N. Y. Bilge water pumping apparatus. 2,452,973, Nov. 2.
Weissenbach, Joseph, Los Angeles, Calif. Flight operation indicator. 2,452,621, Nov. 2.
Welford, Stanley F. W., assignor to Ilford Limited, Ilford, England. Package of photographic light-sensitive papers. 2,452,705, Nov. 2.
Werner, R. D., Co., Inc., assignee: *See*— Werner, Richard D.
Werner, Richard D., assignor to R. D. Werner Co., Inc., New York, N. Y. Method and device for molding. 2,452,884, Nov. 2.
Western Electric Company, Incorporated, assignee: *See*— Conklin, Robert M. Wright, Robert L., II.
Westin, Axel: *See*— Westin, Sven and A. W.
Westin, Sven, West Allis, and A. Westin, Milwaukee, Wis., assignors, by mesne assignments, to Federal Machine & Welder Co., Warren, Ohio. Electric upsetting and forming. 2,452,974, Nov. 2.
Westinghouse Electric Corporation, assignee: *See*— Graybill, Howard W. Sutherland, Ernest E.
Whalley, William B., Liverpool, England, assignor to Imperial Chemical Industries Limited. Production of organic fluorine compounds. 2,452,975, Nov. 2.
Whiffen, Richard E., Hammonton, N. J. Combination brake pedal and throttle. 2,453,054, Nov. 2.
Whipple, Jack V., and A. B. C. Palazzo, New York, N. Y. Toy bombing game. 2,452,817, Nov. 2.
Whitcomb, Forrest R., Worcester, Mass. Roll adjusting mechanism. 2,452,976, Nov. 2.
White, Elvin E., Tempe, Ariz. Rock shearing machine. 2,452,706, Nov. 2.
White, Ira M., Walnut Creek, and H. E. Nelson, assignors to The Pelton Water Wheel Company, San Francisco, Calif. Turbine seal. 2,453,055, Nov. 2.
White Sewing Machine Corporation, assignee: *See*— Hohmann, Richard K.
Whitehead Bros. Rubber Company, The, assignee: *See*— Barnard, Harold.
Wiederrich, John R., assignee: *See*— Wade, Stanley M.
Wilder, Frank W.: *See*— Scribner, Allison K., and Wilder.
Willard, Louis E., New York, N. Y. Hydraulic shock absorber. 2,452,885, Nov. 2.
Williams, Alan W., Westwood, Los Angeles, Calif. Machine for removing putty. 2,452,818, Nov. 2.
Williams, Paul H., Berkeley, and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of cyclic ethers. 2,452,977, Nov. 2.
Wilson, A. H., et al., assignee: *See*— Sharma, Jagan N.
Wilson, Annetta E., et al., assignee: *See*— Sharma, Jagan N.
Wilson, Ezekiel J., Slingerlands, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Warp yarn compressing spooler. 2,452,819, Nov. 2.
Wilson, Joseph B.: *See*— Ball, Charles J. P., Jessup, Emley, and Wilson.
Wilson, Robert M., et al., assignee: *See*— Sharma, Jagan N.
Wilson, William H., et al., assignee: *See*— Sharma, Jagan N.
Wilson, William H., Jr., et al., assignee: *See*— Sharma, Jagan N.
Winther, Martin P., as trustee and assignee: *See*— Winther, Martin P.
Winther, Martin P., assignor to M. P. Winther, as trustee, Waukegan, Ill. Eddy-current coupling. 2,452,820, Nov. 2.
Wirth, Emil O.: *See*— Barfod, Fredrik, and Wirth.
Wirtz, Emery F., assignor to Zwicker Knitting Mills, Appleton, Wis. Ornamented knitted article manufacture. 2,452,707, Nov. 2.
Woldring, Bert, assignor to The Rapids-Standard Company, Grand Rapids, Mich. Dolly structure for conveyers. 2,452,978, Nov. 2.
Wolf, James M., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Reflector. 2,452,822, Nov. 2.
Wolff, Otto E.: *See*— Land, Edwin H., Bachelder, and Wolff.
Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Flexible coupling. 2,452,889, Nov. 2.
Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,452,890, Nov. 2.
Wolthuis, Enno, Cranford, and H. M. Shafer, Westfield, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of hydroxy aromatic carboxylic acids. 2,453,105, Nov. 2.
Wood, Frank E., Sturgis, S. Dak. Wheel chair. 2,452,886, Nov. 2.
Wood, Lawrence A., Jr., Indianapolis, Ind., assignor to Radio Corporation of America. Making phonograph records. 2,452,821, Nov. 2.
Woodbury, Glen P., Mountain Lakes, N. J., assignor to Stapling Machines Co. Machine for making wirebound boxes. 2,452,887, Nov. 2.
Woodward, Ernest M., McDonald, Ohio. Toy railway bridge. 2,452,888, Nov. 2.
Woodyard, John R.: *See*— Hansen, William W., and Woodyard.
Wooldridge Manufacturing Company, assignee: *See*— Lindsley, Lawrence B.
Wright, Robert L., II, Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable splice. 2,452,823, Nov. 2.
Yardeny, Michel N., and R. Bernas, New York, N. Y., said Bernas assignor to said Yardeny. Remote-control apparatus with adjustable gap. 2,453,106, Nov. 2.
Yates, Herbert, Kingsbury, London, England. Work holder. 2,452,824, Nov. 2.
York Corporation, assignee: *See*— Patterson, Veit C.
Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Heating pad. 2,452,622, Nov. 2.
Young, Charles A., Springfield, Ohio. Single trigger action for double-barrel shotguns. 2,452,825, Nov. 2.
Young, William S., Philadelphia, Pa., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Apparatus for transfer of light liquid. 2,452,623, Nov. 2.
Zack, William E., Berwyn, Ill. Surgical anastomosis apparatus and method. 2,453,056, Nov. 2.
Zienty, Ferdinand B., assignor to Monsanto Chemical Company, St. Louis, Mo. M-monoformyl-N,N'-di-substituted ethylenediamines. 2,453,057, Nov. 2.
Zimmerman, Karl H., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Apparatus for testing insulation of electrical cables. 2,452,624, Nov. 2.
Zuckerman, Emil, Stamford, Conn. Extension table. 2,452,979, Nov. 2.
Zwicker Knitting Mills, assignee: *See*— Wirtz, Emery F.

LIST OF PLANT INVENTIONS

Rose plant. L. A. Tuttle. 810. Nov. 2.

LIST OF DESIGN INVENTIONS

Airplane. D. A. Beck. 151,583, Nov. 2.
Analysis machine, Photographic color-transparency. I. Eachus and N. Macbeth, Jr. 151,615, Nov. 2.
Bit, Bridle. P. M. Kelly. 151,625, Nov. 2.
Bracelet. E. Demmler. 151,603, Nov. 2.
Brassière, Adjustable. J. Cohn. 151,598, Nov. 2.
Button or similar article. W. Dreil. 151,606–13, Nov. 2.
Cab, Motor vehicle. C. S. Ash. 151,580, Nov. 2.
Cabinet and bench, Combined storage. F. F. Smead. 151,662, Nov. 2.
Cabinet and douche tank, Combined. C. L. Wolfe. 151,667, Nov. 2.
Cabinet for greeting cards, Display. H. J. Loosley. 151,637, Nov. 2.
Cabinet, Kitchen. N. Lewis. 151,636, Nov. 2.
Cabinet, Music. S. F. Grabowski and J. M. Sawaya. 151,620, Nov 2.
Cabinet, Utility. R. C. Ingersoll. 151,624, Nov. 2.
Call light, Hospital patient's. G. H. Kress. 151,626, Nov. 2.
Cart, Child's. J. H. Bates. 151,582, Nov. 2.
Casing and minute glass unit, Thermometer. M. Graboi. 151,633, Nov. 2.
Casing for a piano or similar article. J. Barofsky. 151,581, Nov. 2.
Chair or the like. R. Feraud. 151,617, Nov. 2.
Chest for storing and displaying surgical instruments. A. Haller. 151,622, Nov. 2.
Clip for mirrors or glass panels. E. W. Clark. 151,597, Nov. 2.
Clock dial or similar article. J. Hanna. 151,634, Nov. 2.
Clock, radio, and lamp, Combination. A. I. Shapiro. 151,660, Nov. 2.
Coupler for towing vehicles. A. Denney. 151,604, Nov. 2.
Dispenser, Beverage. A. Naiden. 151,650, Nov. 2.
Dresser. A. J. Buckner. 151,589, Nov. 2.
Duster, Household. D. Heller. 151,623, Nov. 2.
Fishing lure. O. C. Schaefer. 151,659, Nov. 2.
Game board. C. V. De Mattio. 151,602, Nov. 2.
Game board. W. R. Mabry. 151,641, Nov. 2.
Grille guard for automobile radiators. H. Phillips. 151,652–4, Nov. 2.
Guard, Automobile radiator. L. Bustin. 151,596, Nov. 2.
Handbag. F. H. Rath. 151,656, Nov. 2.
Head for a portable sewing machine. S. R. Bell. 151,584, Nov. 2.
Heel, Shoe. R. D. Bunn and B. L. Hayes. 151,591, Nov. 2.
Holder or similar article, Perfume bottle. L. Cotnareanu. 151,601, Nov. 2.
House. G. M. Marrow. 151,646–8, Nov. 2.
Lamp. C. B. Stevens. 151,663, Nov. 2.
Lamp, Desk. T. Dolan. 151,605, Nov. 2.
Lamppost. E. Lamb and C. D. Freeman. 151,628, Nov. 2.
Lamppost and lamp, Combined. E. Lamb and C. D. Freeman. 151,629, Nov. 2.
Lever of a drum snare tensioning mechanism. W. F. Ludwig. 151,639, Nov. 2.
Lighting unit, Fluorescent. G. Gomberg. 151,632, Nov. 2.
Lighting unit, Multiple fluorescent. G. Gomberg. 151,631, Nov. 2.
Lug for drums, Drumhead tensioning. W. F. Ludwig. 151,638, Nov. 2.
Lug for drums, Twin drumhead tensioning. W. F. Ludwig. 151,640, Nov. 2.
Nutcracker and tray, Combined. I. W. Green. 151,621, Nov. 2.
Peg, Clothes. D. Nield. 151,651, Nov. 2.
Pen or similar article, Fountain. W. D. Teague and R. J. Harper. 151,664–5, Nov. 2.
Pencil, Calendar. J. M. Sherrer. 151,661, Nov. 2.
Pencil, Mechanical. H. W. Sams. 151,658, Nov. 2.
Piano. L. Bromberg. 151,585, Nov. 2.
Pilot and buzzer station, Combined. G. H. Kress. 151,627, Nov. 2.
Pin or similar article. A. Elkonin. 151,616, Nov. 2.
Plane, Rotor. J. Youhouse. 151,669, Nov. 2.
Puzzle or similar article. A. M. Renault. 151,657, Nov. 2.
Reel, Film. J. M. Goldmann. 151,619, Nov. 2.
Seat, Adjustable fishing reel. C. H. Matson. 151,649, Nov. 2.
Shoe. R. Maling. 151,644–5, Nov. 2.
Sofa. A. J. Buckner. 151,587, Nov. 2.
Spray attachment for a container, Atomizer. S. Gimelli, 151,618, Nov. 2.
Stand, Iron. P. P. Wriede and H. Pike. 151,668, Nov. 2.
Support for treating lenses, Handling. D. M. Mackenzie. 151,643, Nov. 2.
Table. A. J. Buckner. 151,586, Nov. 2.
Table, Dressing. A. J. Buckner. 151,590, Nov. 2.
Table, Night. A. J. Buckner. 151,588, Nov. 2.
Table, Occasional. L. and N. Appell. 151,578–9, Nov. 2.
Telephone, Hand. H. Dreyfuss. 151,614, Nov. 2.
Tone arm, Phonograph. C. A. Geib. 151,630, Nov. 2.
Toy clown. G. Lehmann. 151,635, Nov. 2.
Toy rattle or similar article. J. Colm. 151,599–600, Nov. 2.
Trailer, Vehicle. W. B. MacDonald, Jr. 151,642, Nov. 2.
Turner or similar article, Pancake. R. H. Wendt. 151,666, Nov. 2.
Umbrella. C. M. Preaus. 151,655, Nov. 2.
Wallpaper or the like. W. Burton. 151,592–5, Nov. 2.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive products. N. P. Roble. 2,452,793, Nov. 2.
Acetaldehyde from aldol by hydrocarbon vapors, Stripping of. H. B. Smith. 2,452,797, Nov. 2.
Acrylonitrile, Production of. H. S. Davis and E. L. Carpenter. 2,452,554, Nov. 2.
Adjustable eccentric. R. E. Johnson. 2,453,072, Nov. 2.
Adjusting mechanism, Wheel brake. A. H. Blau. 2,452,717, Nov. 2.
Aerial delivery contrivance, Shockproof. R. J. Nebesar. 2,452,783, Nov. 2.
Agents for reducing the surface tensions of liquids. L. Leiserson. 2,453,022, Nov. 2.
Alarm system, Temperature. K. M. Lord and G. E. Warren. 2,452,942, Nov. 2.
Aliphatic polyamines, Manufacture of. C. N. Robinson, Jr., and J. F. Olin. 2,452,602, Nov. 2.
Alkali cellulose, Continuous making. W. H. Bradshaw and W. R. Schmitz, Jr. 2,452,542, Nov. 2.
Alkyl thiophene-aldehyde synthetic resins. P. D. Caesar. 2,453,086, Nov. 2.
Alkylene cyanohydrins, Production of. E. L. Carpenter. 2,453,062, Nov. 2.
Aminoanthraquinone sulfonamides. C. G. Vogt. 2,453,104, Nov. 2.
Amplifier, Wide band. G. C. Szikiai. 2,453,081, Nov. 2.
Analyzer apparatus, Network. H. A. Peterson. 2,452,954, Nov. 2.
Analyzing apparatus. W. H. Wannamaker, Jr. 2,453,053, Nov. 2.
Anchor fastening. A. Sofia. 2,452,694, Nov. 2.
Angle indicator. J. C. Ivey. 2,452,930, Nov. 2.
Annealing box. M. L. Jacob. 2,452,931, Nov. 2.
Antenna, Broad-band. J. D. Kraus. 2,452,767, Nov. 2.
Antiskid device. R. J. Burkhart. 2,452,831, Nov. 2.
Apparatus for and method of measuring or indicating limb or digital volume changes resulting from arterial pulsations. D. M. Speaker and J. B. Hersh. 2,452,799, Nov. 2.
Apparatus for automatically controlling duration of electrical current. R. V. Anderson. 2,452,537, Nov. 2.
Apparatus for burning liquid fuel in the presence of gas under pressure. D. C. Breault. 2,452,543, Nov. 2.
Apparatus for depositing material in well holes. J. D. Haynes. 2,453,068, Nov. 2.
Apparatus for high-frequency induction heating. H. F. Strom. 2,452,801, Nov. 2.
Apparatus for immersing edge portions of black plate in successive treating baths. W. M. Tomkins, A. C. Larkin, J. C. Anthony, O. K. Ross, and R. M. Mero. 2,452,879, Nov. 2.
Apparatus for intravenous administration of liquids. M. R. Fields. 2,452,644, Nov. 2.
Apparatus for receiving and dumping refuse. W. D. Hardy. 2,452,751, Nov. 2.
Apparatus for testing insulation of electrical cables. K. H. Zimmerman. 2,452,624, Nov. 2.
Apparatus for transfer of light liquid. W. S. Young. 2,452,623, Nov. 2.
Apparatus for treating seeds with chemical dust and bagging the seeds. H. J. Kemp. 2,452,935, Nov. 2.
Apparatus for welding, utilizing energy storage apparatus, Direct-current. F. H. Johnson and C. F. Leathers. 2,452,573, Nov. 2.
Appliance, Jaw-supporting. V. M. Wagner. 2,452,816, Nov. 2.
Apron. M. J. Kraft. 2,453,074, Nov. 2.
Arresting hook. F. N. Dickerman. 2,452,911, Nov. 2.
Article of footwear and heel therefor. A. J. Dunbrook. 2,453,002, Nov. 2.
Article of furniture. L. Guild and C. G. Towne. 2,453,090, 2,453,090, Nov. 2.
Ash tray. F. V. Schnepel. 2,452,871, Nov. 2.
Attachment for moving picture projectors, Still picture. H. Getter. 2,452,745, Nov. 2.
Attachment for pumps, Counterbalancing. T. B. Strickland. 2,452,802, Nov. 2.
Audible-signal device, Electromagnetic. A. B. Poole. 2,452,678, Nov. 2.
Auger bits, Manufacturing. B. H. Daulton. 2,453,000, Nov. 2.
Automatic builder motion knockoff for roving frames. J. J. Seawright. 2,452,873, Nov. 2.
Automatic knockoff device for ring twisting and spinning machines. J. Davidson. 2,452,910, Nov. 2.
Automatic tuning control circuit. H. C. Tittle. 2,452,878, Nov. 2.
Baffle holding device, Adjustable. G. H. Knobloch. 2,452,936, Nov. 2.
Bag: *See*—
  Shopping bag.
Bait, Fishing. O. M. Curtis, Jr., and T. M. Prudden. 2,452,553, Nov. 2.
Bait, Fishing, and preparing the same. O. M. Curtis, Jr., and T. M. Prudden. 2,452,552, Nov. 2.
Ball for bowlers, Grip measuring. H. Reitsma. 2,453,036, Nov. 2.
Baseball mitt. W. J. Sonnett and B. B. Stobbe. 2,452,695, Nov. 2.
Batch feed hopper for garbage grinders. O. J. Feight. 2,453,006, Nov. 2.
Bathing trunks. U. Vacca. 2,453,051, Nov. 2.
Bearing: *See*—
  Railway car side bearing.
Bearing for spindles and the like. D. Sulprizio. 2,452,965, Nov. 2.
Bearing lubrication. E. G. Boden. 2,452,719, Nov. 2.
Bed slat. M. Tucker. 2,452,808, Nov. 2.
Bed spring support. M. S. Firsel. 2,452,645, Nov. 2.
Belt tensioning mechanism for conveyers. J. S. Beltz, 2,452,980, Nov. 2.
Bilge water pumping apparatus. C. I. Weir. 2,452,973, Nov. 2.
Biochemically processed liquid base material, Production of, for food products. G. A. Jeffreys. 2,452,534, Nov. 2.
Boring head. N. Bell. 2,452,828, Nov. 2.
Bottle handling apparatus. R. F. Hammen. 2,452,927, Nov. 2.
Bracket for armchair accessory seats. W. O. Flatt. 2,453,007, Nov. 2.
Brake pedal and throttle, Combination. R. E. Whiffen. 2,453,054, Nov. 2.
Breathing apparatus. P. E. Meidenbauer, Jr. 2,452,670, Nov. 2.
Brooder. J. D. Burkholder, Jr. 2,452,900, Nov. 2.
Brooder. M. C. Cole. 2,452,904, Nov. 2.
Box: *See*—
  Annealing box.
Bubble making machine. T. Saachy. 2,452,794, Nov. 2.
Burning solid fuel, Process and apparatus for. R. Esnault-Pelterie. 2,452,844, Nov. 2.
Bushing for oil-filled electrical apparatus. A. Meyerhans. 2,452,947, Nov. 2.
Cable: *See*—
  Coaxial cable.
Cable and cable connector fatigue testing machine. J. L. McFarland and K. Matzinger. 2,452,588, Nov. 2.
Cable splice. R. L. Wright, II. 2,452,823, Nov. 2.
Cake protecting device. J. J. Bonekamp. 2,452,629, Nov. 2.
Calcium hydrides by distillation, Producing. D. Duffey. 2,453,913, Nov. 2.
Calcium sulfite, Treatment of. H. R. Rafton. 2,453,099, Nov. 2.
Calculating machine. D. Broido. 2,452,987, Nov. 2.
Can dumping machine. R. J. Newton. 2,453,077, Nov. 2.
Canning machine, Fish. M. K. Kuther and J. L. Smith. 2,452,666, Nov. 2.
Car cooler. J. E. Kercheval. 2,453,018, Nov. 2.
Carbalkoxy aminoanthraquinone sulfonamides. E. E. Renfrew, Jr. 2,453,100, Nov. 2.
Carburetor. R. R. Strebinger. 2,452,698, Nov. 2.
Carton. F. D. Palmer. 2,452,952, Nov. 2.
Catalyst, Manufacture of bead-form. H. T. Brown. 2,453,084, Nov. 2.
Catalyzed sulfamic acid sulfation. J. D. Malkemus, J. Ross, and D. J. Potter. 2,452,943, Nov. 2.
Cathode-ray oscilloscope circuit. G. Hecht and L. A. Meacham. 2,452,655, Nov. 2.
Cathode-ray tube. P. K. Weimer. 2,452,619, Nov. 2.
Cathode structure. H. T. O'Neill. 2,452,786, Nov. 2.
Cellular thermoplastic receptacles, Making. L. E. Daly and J. F. Schott. 2,452,999, Nov. 2.
Cement mixer. H. W. and M. Bonney. 2,452,896, Nov. 2.
Chains, Making elastic. W. Hartranft. 2,452,752, Nov. 2.
Chair: *See*—
  Hinged back collapsible Wheel chair.
  chair.
Changeable key cylinder lock. C. Gabrielsen. 2,453,066, Nov. 2.
Check for picker stick of looms. F. H. Pressley. 2,452,955, Nov. 2.
Chest, Ammunition. W. C. Broga. 2,452,545, Nov. 2.
Cigarette extinguisher and ash tray. R. M. Maney. 2,453,026, Nov. 2.
Cinematographic apparatus. E. M. Olds, Jr. 2,453,031, Nov. 2.

Circuit: *See*—
  Automatic tuning control circuit.
  Cathode-ray oscilloscope circuit.
  Electrical test circuit.
  Sweep circuit.
Circuit and method, Ultra high frequency. W. W. Hansen and J. R. Woodyard. 2,452,566, Nov. 2.
Circuit for improving oscillator stability. O. E. Dow. 2,452,912, Nov. 2.
Circuit interrupting apparatus. W. E. Paul; J. W. Timmerman, Jr., and R. E. Bold. 2,452,953, Nov. 2.
Circuits, Crystal oscillator. D. E. Norgaard. 2,452,951, Nov. 2.
Circuits for repeating square shaped wave forms. W. F. Glover. 2,452,563, Nov. 2.
Clamp: *See*—
  Garment clamp.
  Hair clamp.
  Hydraulic internal line-up clamp.
  Machine with resilient work holding clamp.
  Mercury leveling clamp.
  Multiple pneumatic clamp.
Clamp. B. A., L. B., R. W., and C. C. Tetzlaff. 2,452,806, Nov. 2.
Cleaning machine, Floor. J. W. Gardner. 2,452,744, Nov. 2.
Clinical mask for breathing and rebreathing mixtures of gases. W. M. Boothby, A. H. Bulbulian, and W. R. Lovelace, II. 2,452,722, Nov. 2.
Clutch regulation of fan and pump for cooling systems, Speed. H. R. Greenlee. 2,452,650, Nov. 2.
Coating composition of fatty drying oils reacted with fatty acid modified polyhydric alcohol esters of cyclopentadiene maelic adduct. W. H. Butler. 2,452,992, Nov. 2.
Coaxial cable. L. H. Morlin. 2,452,948, Nov. 2.
Cocoa-sugar composition. L. Lang. 2,452,770, Nov. 2.
Coffee maker, Safety valve. L. W. Vezie. 2,452,881, Nov. 2.
Collapsible stand. C. H. Roberts. 2,452,792, Nov. 2.
Collar can collar structure. J. Coyle and J. F. Egenolf. 2,452,839, Nov. 2.
Collet and collet chuck therefor. R. F. Brennen. 2,452,986, Nov. 2.
Colloid dental tray. C. H. Oertel. 2,452,866, Nov. 2.
Combination microphone and control means for dictating machines. G. F. Braun. 2,452,830, Nov. 2.
Combustion apparatus for solid combustibles in fragments. R. Esnault-Pelterie. 2,452,843, Nov. 2.
Combustion heater having air preheating and carbureting means. H. J. D. McCollum. 2,452,779, Nov. 2.
Commutator for dynamoelectric machines. R. F. Franklin. 2,452,918, Nov. 2.
Comparator gauge. C. M. Hathaway. 2,452,753, Nov. 2.
Composition of matter for sealing spot-welded joints. P. Sussenbach. 2,452,805, Nov. 2.
Condenser: *See*—
  Electrical condenser.
Cone bearing adjustment for gear-driven coaster brake. C. L. Hussey. 2,452,660, Nov. 2.
Connecting means and radio shielding means therefor, Electrical. J. R. Frei. 2,452,847, Nov. 2.
Connector: *See*—
  Electrical connector.
Connector for electronic discharge devices, Lead. C. V. Litton. 2,452,582, Nov. 2.
Connector plug. O. H. Thomas. 2,452,967, Nov. 2.
Contact transmitter means for sensitive instruments, Selectable. J. O. Kirwan. 2,452,764, Nov. 2.
Containers, Pie. E. G. Victor. 2,452,969, Nov. 2.
Control apparatus, Humidity. W. Rudoy. 2,452,685, Nov. 2.
Control device, Moisture. A. R. Sabin. 2,452,957, Nov. 2.
Control for stopping looms. J. M. Godreau. 2,452,648, Nov. 2.
Control means for highway crossing signals, Directional. J. A. Quinlan. 2,452,868, Nov. 2.
Control means, Frequency. R. H. Ranger. 2,452,601, Nov. 2.
Control system for target aircraft. C. L. Paulus and H. A. Klein. 2,452,599, Nov. 2.
Control valve. C. V. Gagen. 2,452,647, Nov. 2.
Cooker, Pressure. W. A. Pledger. 2,452,790, Nov. 2.
Cooler: *See*—
  Car cooler.
  Hotbox cooler.
Copolymers of 2,5-dimethyl-1,5-hexadiene and acrylic esters. P. O. Tawney. 2,452,700, Nov. 2.
Corrosion in hydrogen fluoride catalytic organic reactions, Prevention of. A. Wachter. 2,452,812, Nov. 2.
Coupling: *See*—
  Detachable hose coupling.
  Eddy-current coupling.
  Flexible coupling.
  Flexible rotary coupling.
Coupling. G. F. Lomelino. 2,453,024, Nov. 2.
Coupling for tubes. J. N. Wolfram. 2,452,890, Nov. 2.
Couplings for flexible hose. E. C. Carling. 2,452,728, Nov. 2.
Cover for radio jacks and the like, Waterproof. R. R. and F. R. Gonsett. 2,452,922, Nov. 2.
Crank device. R. D. Franzene. 2,452,742, Nov. 2.
Crank structure, Lubricated. L. R. Shanton. 2,452,605, Nov. 2.
Crystallization of DDT. K. B. Little and J. J. Burton. 2,453,076, Nov 2.
Crystals, Growing. B. R. F. Kjellgren and H. Jaffe. 2,452,576, Nov. 2.
Current converting tube. J. G. W. Mulder. 2,452,861, Nov. 2.
Curtain and shade support. R. E. Ratcliffe. 2,452,680, Nov. 2.
Cutter: *See*—
  Insulation cutter.
Cutting machine, Seed potato. L. V. Uglow. 2,452,810, Nov. 2.
Cutting table. D. Levin. 2,452,773, Nov. 2.
Cutting torch holder. J. H. Blythe. 2,452,718, Nov. 2.
Cyclic ethers, Production of. P. H. Williams and S. A. Ballard. 2,452,977, Nov. 2.
Cyclopentadiene and its homologues, Producing. C. E. Staff. 2,453,044, Nov. 2.
Davenport, Folding arm. A. L. Ewing. 2,452,642, Nov. 2.
Deaerating heater. C. H. Bergquist. 2,452,716, Nov. 2.
Decarboxylation of 3,4-dihydroxy-2,5-dicarboxythiophene. S. G. Turnbull, Jr. 2,453,103, Nov. 2.
Deflector for tractors, Hot-air. C. E. Clapper. 2,452,834, Nov. 2.
Delay line. J. L. Jago. 2,452,572, Nov. 2.
Deodorizing and steam condensing device. G. D. Moody. 2,452,859, Nov. 2.
Depurator, Rectal spray. W. J. Coward. 2,452,997, Nov. 2.
Desiccating food products. C. Birdseye. 2,452,983, Nov. 2.
Detachable hose coupling. I. Cowles. 2,452,908, Nov. 2.
Device for cutting noncircular holes. P. Loung. 2,453,025, Nov. 2.
Device for framing ladies' handbags. S. Kolsky. 2,452,766, Nov. 2.
Device for sharpening hypodermic needles. R. R. Stabler. 2,452,697, Nov. 2.
Device for wave length transformation of very short waves. K. Posthumus. 2,453,078, Nov. 2.
Dibasic acids, Production of. H. W. Fleming. 2,452,741, Nov. 2.
Dice agitator, Liquid filled. A. C. Carter. 2,452,730, Nov. 2.
Direct fuel fired unit air heater. L. F. McConnell. 2,452,946, Nov. 2.
Direction finder. H. G. Busignies and J. L. Allison. 2,452,546, Nov. 2.
Direction finder. M. K. Goldstein. 2,452,564, Nov. 2.
Direction finding system. J. H. Newitt. 2,452,675, Nov. 2.
Discharge apparatus using velocity modulated beams, Electron. W. T. Gibson. 2,452,561, Nov. 2.
Dispenser: *See*—
  Tape dispenser.
Display device, Sheet material. J. A. Taylor. 2,453,047, Nov. 2.
Divider and computer, Interpolating potential. W. Koenig, Jr. 2,452,664, Nov. 2.
Dog collar. J. T. Graffin. 2,453,010, Nov. 2.
Dolly structure for conveyers. B. Woldring. 2,452,978, Nov. 2.
Door fastener. R. J. Olander. 2,452,677, Nov. 2.
Door-sag correcting mechanism. D. P. Trillier. 2,453,049, Nov. 2.
Double pulse generator. C. E. Cleeton. 2,452,549, Nov. 2.
Draft regulator. J. W. Miller and B. D. Figg. 2,453,096, Nov. 2.
Dressing and repointing hypodermic needles. R. R. Stabler. 2,452,696, Nov. 2.
Dry rectifier element and manufacture. C. A. Kotterman. 2,452,577, Nov. 2.
Dump body for trucks. C. Guidry. 2,452,850, Nov. 2.
Dust cap and valve cap lock for tire valves, Combination. J. De Stefano. 2,453,001, Nov. 2.
Dynamoelectric machine. C. A. Thomas. 2,452,966, Nov. 2.
Dynamometer, Hydraulic. E. L. Cline. 2,452,550, Nov. 2.
Eddy-current coupling. M. P. Winther. 2,452,820, Nov. 2.
Electric regulation. J. L. Creveling. 2,453,065, Nov. 2.
Electric regulator. J. L. Stratton. 2,452,611, Nov. 2.
Electric resistance and filler metal butt welding. H. A. Bissout and W. Y. Borreson. 2,453,061, Nov. 2.
Electric terminal receptacle. E. E. Sutherland. 2,453,045, Nov. 2.
Electric upsetting and forming. S. and A. Westin. 2,452,974, Nov. 2.
Electrical condenser. R. M. Barnard. 2,452,540, Nov. 2.
Electrical connector. J. O. Johnson. 2,452,932, Nov. 2.
Electrical test circuit. R. J. Teetsell. 2,452,614, Nov. 2.
Electrode contact. E. W. Forstrom. 2,452,917, Nov. 2.
Electrode support in television tubes. P. K. Weimer. 2,452,620, Nov. 2.
Electron emitter. Z. J. Atlee. 2,452,626, Nov. 2.
Electron optical system. D. Gabor. 2,452,919, Nov. 2.
Electrotherapeutical apparatus. H. W. Joy. 2,452,854, Nov. 2.
Emergency telephone call and circuit therefor. J. Palumbo. 2,453,032, Nov. 2.
Emergency wheel and antiskid device, Combination. O. Schlett. 2,452,688, Nov. 2.
Engine: *See*—
  Sleeve valve engine.
Eraser holding mechanism. M. E. Savoie. 2,452,795, Nov. 2.
Excavating machine. C. M. Cameron. 2,452,632, Nov. 2.
Extension table. E. Zuckerman. 2,452,979, Nov. 2.
Extensometer or strain gauge. F. C. Mostertz. 2,452,860, Nov. 2.
Extractor: *See*—
  Package extractor.
Extrusion machine for producing power cables. H. Sonnenfeld. 2,452,610, Nov. 2.

Fastener: *See*—
Door fastener. Slide fastener.
Fastening means. E. Pizzarelli. 2,453,034, Nov. 2.
Feed, Pin-wheel. A. W. Metzner. 2,452,591, Nov. 2.
Filler cap support. R. W. Bandy. 2,452,713, Nov. 2.
Filter. H. Laughlin. 2,452,772, Nov. 2.
Fischer-tropsch synthesis gas from oil shale. A. Clark. 2,452,634, Nov. 2.
Flag holder and displayer. S. B. Davis. 2,452,842, Nov. 2.
Flexible coupling. J. N. Wolfram. 2,452,889, Nov. 2.
Flexible rotary coupling. J. C. Hickman. 2,453,012, Nov. 2.
Flight operation indicator. J. Weissenbach. 2,452,621, Nov. 2.
Fluorinated ethers. E. T. McBee and W. E. Weesner. 2,452,944, Nov. 2.
Fluorohydracrylic acids and their esters. M. S. Raasch. 2,452,791, Nov. 2.
Fluxes, Soldering, brazing and welding. L. Cinamon. 2,452,995, Nov. 2.
Fly front for garments, Closed edge. F. Ippoliti. 2,452,853, Nov. 2.
Follow-up system, Antihunt. B. A. Somers, R. D. McCoy, and J. R. Lilienthal. 2,452,609, Nov. 2.
Forming hollow laminated structures. S. M. Fairchild. 2,452,739, Nov. 2.
Frequency control, Automatic. C. R. Kenny. 2,452,575, Nov. 2.
Frequency divider. G. L. Usselman. 2,452,811, Nov. 2.
Fuel and ignition control. H. T. Jarvis. 2,453,093, Nov. 2.
Fuel supply system. F. Barfod and E. O. Wirth. 2,452,627, Nov. 2.
Furniture. L. P. Come. 2,452,838, Nov. 2.
Fuse. C. C. Fawcett and J. J. Hart. 2,452,558, Nov. 2.
Fuse. J. C. Gillette and B. H. Tabb, Jr. 2,452,562, Nov. 2.
Fuse. J. C. Gillette and B. H. Tabb, Jr. 2,453,107, Nov. 2.
Fuse and demand meter, Combined. W. O. Schultz. 2,452,872, Nov. 2.
Garment clamp. Y. Amber. 2,452,891, Nov. 2.
Gauge: *See*—
Comparator gauge.
Extensometer or strain gauge.
Gauge for measuring and indicating the hardness of various substances. W. F. Shore. 2,453,042, Nov. 2.
Gauging head, Electric. J. J. Neff. 2,452,862, Nov. 2.
Generator: *See*—
Double pulse generator.
Glass sealing method and machine. R. K. Hansen. 2,452,652, Nov. 2.
Golf cart, Folding. H. F. Holcomb. 2,452,929, Nov. 2.
Grain elevator and treating apparatus. E. T. and A. E. Johnson. 2,453,016, Nov. 2.
Graveling wells. E. P. Hayes and A. D. Garrison. 2,452,654, Nov. 2.
Grinding device, Lathe. J. B. Koett. 2,453,020, Nov. 2.
Grinding machine, Cam. H. W. Brown. 2,452,989, Nov. 2.
Grinding machine, Drill. W. Umbdenstock. 2,452,702–3, Nov. 2.
Grinding propeller shanks. F. A. Gruetjen. 2,452,926, Nov. 2.
Hair clamp. I. G. Wagle. 2,452,814, Nov. 2.
Hair net. N. L. Solomon. 2,453,043, Nov. 2.
Halogenated olefins, Production of. G. H. Morey and D. F. Taylor. 2,453,089, Nov. 10.
Handbag lock. A. Konelsky. 2,453,021, Nov. 2.
Hand cultivating tool. L. M. Coles. 2,452,732, Nov. 2.
Hardness testing device. S. Christensen, W. G. Rosenberg, and J. D. Swift. 2,452,833, Nov. 2.
Heat reclamation attachment for heating furnaces. J. A. Hilkene. 2,452,852, Nov. 2.
Heater: *See*—
Deaerating heater. Nonpulsating internal-combustion heater.
Direct fuel fired unit air heater. Portable liquid heater.
Heating device, Convection type electrical. R. B. Shannon. 2,452,875, Nov. 2.
Heel, Antisplash. C. O. Walper. 2,452,883, Nov. 2.
Helicopter with tiltable rotors, Multirotor. C. R. Buchet. 2,452,726, Nov. 2.
High-pressure contact switch. H. W. Graybill. 2,453,011, Nov. 2.
Hinge. G. W. Henry. 2,452,851, Nov. 2.
Hinged back collapsible chair. A. A. Marks. 2,453,027, Nov. 2.
Hitch, Self-releasing rope. O. E. Skibsted. 2,452,796, Nov. 2.
Hobbyhorse. D. L. Richards. 2,452,869, Nov. 2.
Hoisting apparatus. P. J.-M. T. Allard. 2,453,082, Nov. 2.
Holder: *See*—
Cutter torch holder. Sack holder.
Nursing bottle holder. Work holder.
Hollow poppet valves, Making. K. M. Bartlett and E. G. Pekarek. 2,452,628, Nov. 2.
Hollow valves, Making. J. E. Cunningham and R. A. Kempe. 2,452,636, Nov. 2.
Homogenizer. A. M. Kinney and A. N. Jergens. 2,452,661, Nov. 2.
Hook: *See*—
Arresting hook.
Hook mechanism, Sewing-machine. R. K. Hohmann. 2,452,756, Nov. 2.
Hotbox cooler. S. W. Clutton. 2,452,731, Nov. 2.
Housing for film projectors, Lamp. L. Frankel. 2,452,646, Nov. 2.
Hydraulic internal line-up clamp. H. C. Price and B. V. Elliott. 2,452,867, Nov. 2.
Hydraulic machine, Rotary. E. K. Benedek. 2,452,541, Nov. 2.
Hydraulic transmission and control. G. A. Wahlmark. 2,452,704, Nov. 2.
Hydrocarbon and the like, Producing. H. V. Atwell. 2,452,712, Nov. 2.
Hydrocarbons in presence of hot contact masses, Treating. E. J. Houdry. 2,452,569, Nov. 2.
Hydrocarbons, Isomerization of paraffinic. B. H. Shoemaker. 2,452,691, Nov. 2.
Hydroxy aromatic carboxylic acids, Preparation of. E. Wolthuis and H. M. Shafer. 2,453,105, Nov. 2.
Ice air cooling apparatus having anti-splash means. H. J. Kaufman. 2,453,017, Nov. 2.
Igniter for rockets. R. A. Appleton, C. N. Hickman, and C. F. Bjork. 2,452,892, Nov. 2.
Implement mounting. E. C. Trefry. 2,452,701, Nov. 2.
Impregnating leather with sulfonated polymeric compositions. J. S. Kirk. 2,452,536, Nov. 2.
Impression taking means. E. G. Coffey. 2,452,903, Nov. 2.
Index, Visible. F. S. Schade. 2,452,687, Nov. 2.
Indexing device. S. S. Brodie. 2,452,544, Nov. 2.
Indicating frequency coincidence between alternating currents or voltages, Method and apparatus for. D. B. Smith. 2,452,960, Nov. 2.
Indicator: *See*—
Angle indicator. Multiple range indicator.
Flight operation indicator.
Induction apparatus, Electromagnetic. G. Camilli. 2,452,901, Nov. 2.
Inductor, Adjustable. E. O'Brien. 2,452,676, Nov. 2.
Injection machine. B. D. Ashbaugh. 2,453,058, Nov. 2.
Injection mechanism for Diesel engines, Advance and retard. O. Blom. 2,452,984, Nov. 2.
Inner tube for pneumatic tires, Safety. B. Carlin. 2,452,902, Nov. 2.
Insecticide containing methylated naphthalene and 4,4'-dichloro-diphenyl-trichloroethane. J. Hyman. 2,452,759, Nov. 2.
Insulation cutter. J. F. Costelow. 2,452,734, Nov. 2.
Internal heat intensifier. E. C. Bourdette. 2,452,898, Nov. 2.
Jig, Adjustable flange. E. C. Bourdette. 2,452,985, Nov. 2.
Jig for broken drills, Welding. W. J. Sutton. 2,453,046, Nov. 2.
Joint: *See*—
Vehicle frame joint.
Knitted fabric and making same. A. J. Cobert. 2,452,835–36, Nov. 2.
Knitting machine, Warp. F. Lambach. 2,452,579, Nov. 2.
Landing gear system. A. C. Patch. 2,452,787, Nov. 2.
Lens assembly. C. H. Bachman. 2,452,893, Nov. 2.
Line marking tool. G. E. Snethen. 2,452,962, Nov. 2.
Linear silmethylenesiloxane. B. A. Bluestein. 2,452,895, Nov. 2.
Liquid clarifying apparatus. A. Butcher. 2,452,991, Nov. 2.
Loading machine, Clip. J. E. Pool and J. W. P. Beaver. 2,452,600, Nov. 2.
Lock: *See*—
Changeable key cylinder lock. Handbag lock.
Looping machine, Wire. E. H. Miller. 2,452,593, Nov. 2.
Lubricating system for adjustable multiple spindle drill head. R. B. Aiman. 2,452,709, Nov. 2.
Machine construction. D. Sulprizio. 2,452,804, Nov. 2.
Machine for applying plastic material. C. F. Hammann. 2,452,565, Nov. 2.
Machine for making wirebound boxes. G. P. Woodbury. 2,452,887, Nov. 2.
Machine for mine shafts, Mucking. W. E. Kindsvater. 2,452,763, Nov. 2.
Machine for producing a vent in cartridge cases. G. Ekström and G. Örström. 2,452,639, Nov. 2.
Machine for removing putty. A. W. Williams. 2,452,818, Nov. 2.
Machine for testing materials constrained to alternate flexure. R. L'Hermite. 2,453,023, Nov. 2.
Machine for thermoplastically treating materials. M. H. Sidebotham. 2,452,959, Nov. 2.
Machine roll, Compressed laminated. P. R. Heygel. 2,452,755, Nov. 2.
Machine with resilient work holding clamp. C. D. Knowlton. 2,452,663, Nov. 2.
Magazine pencil of the push-button type. F. Collura. 2,452,907, Nov. 2.
Magnesium-zirconium alloys, Process and composition for producing. E. F. Emley. 2,452,914, Nov. 2.
Magnesium-zirconium alloys, Producing. C. J. P. Ball, A. C. Jessup, E. F. Emley, and J. B. Wilson. 2,452,894, Nov. 2.
Mail box and house number, Illuminated. A. J. Lambert. 2,452,667, Nov. 2.
Marking device, Electric. C. M. Elstad. 2,452,738, Nov. 2.
Mask, Driller's. J. Fisher. 2,452,845, Nov. 2.
Massaging device. L. H. Snyder. 2,452,798, Nov. 2.

Match book, Folding. A. Visco. 2,452,882, Nov. 2.
Material handling device. T. W. Kerr. 2,452,856, Nov. 2.
Material reducing apparatus particularly adapted to reduce metal turnings. J. T. Fowler. 2,453,008, Nov. 2.
Measuring and dispensing apparatus, Liquid. W. A. Shimp. 2,453,080, Nov. 2.
Measuring apparatus, Network. R. D. McCoy. 2,452,587, Nov. 2.
Measuring instrument, Rectifier type. H. B. Conant. 2,452,551, Nov. 2.
Mechanical stirrer. M. M. Graff. 2,452,923, Nov. 2.
Mechanism for applying plastic crowns to containers. J. Kantor. 2,452,934, Nov. 2.
Mechanism for milling machines, Knee actuating. L. F. Nenninger and F. A. Hassman. 2,452,674, Nov. 2.
Mercury leveling clamp. G. W. Carlson. 2,452,729, Nov. 2.
Metal surface conditioning process. B. R. King. 2,453,019, Nov. 2.
Metals, The separation of. W. J. Kroll and F. E. Bacon, 2,452,665, Nov. 2.
Method and apparatus for drilling and producing wells. W. E. Gilbert. 2,452,920, Nov. 2.
Mineral oil compositions resistant to foaming. H. G. Smith and T. L. Cantrell. 2,452,693, Nov. 2.
Miniature permanent magnet motor. F. R. Schulz. 2,453,101, Nov. 2.
Mining machine. R. K. Jeffrey. 2,452,760, Nov. 2.
Mixer: *See*—
Cement mixer.
Mixing and dispensing apparatus, Liquid. O. L. Engstrom. 2,453,004, Nov. 2.
Mixing and dispensing device, Beverage. M. A. Joppich and W. Joure. 2,452,933, Nov. 2.
Mixing torpedo for plastics extruders. F. E. Dulmage. 2,453,088, Nov. 2.
Mold conditions on metal castings, Determining effect of. H. F. Taylor and R. E. Morey. 2,452,613, Nov. 2.
Mold for forming porro prisms. M. N. Fairbank. 2,453,005, Nov. 2.
Mold for making castings. L. W. Kempf and L. W. Eastwood. 2,452,855, Nov. 2.
Molded structure. S. M. Fairchild. 2,452,740, Nov. 2.
Molding, Method and device for. R. D. Werner. 2,452,884, Nov. 2.
Motor: *See*—
Miniature permanent magnet motor.
Motor and transmission, Sealed electric. I. E. McCabe. 2,452,945, Nov. 2.
Motor control mechanism, Ratchet. W. W. Maher. 2,452,585, Nov. 2.
Motor control system; Electric. K. A. Lang. 2,452,769, Nov. 2.
Motor control system, Electrical. S. Noodleman. 2,452,784, Nov. 2.
Motor mechanism. H. E. Nietsche. 2,452,864, Nov. 2.
Mount, Adjustable push grader. R. G. Le Tourneau. 2,452,774, Nov. 2.
Mounting: *See*—
Implement mounting. Seaming roller mounting.
Mounting for electric chime signal devices. G. L. Bossard. 2,452,897, Nov. 2.
Muffler. K. von Rodenstein. 2,452,972, Nov. 2.
Multiple function switch. L. E. Ponsy. 2,453,035, Nov. 2.
Multiple pneumatic clutch. L. B. Lindsley. 2,452,775, Nov. 2.
Multiple range indicator. R. M. Page. 2,452,598, Nov. 2.
Multiple switch. C. F. Gomez. 2,452,747, Nov. 2.
Music instruction device for use with the piano. D. Grosch. 2,452,748, Nov. 2.
Musical instrument. H. Horne. 2,452,658, Nov. 2.
N(ethyl mercury) para-toluene sulfonanilide and making same. D. F. Mowery, Jr. 2,452,595, Nov. 2.
N-monoformyl-N,N'-di-substituted ethylenediamines. F. B. Zienty. 2,453,057, Nov. 2.
Nail puller. C. W. Reynolds. 2,453,037, Nov. 2.
Nitriding process. A. L. Feild. 2,452,915, Nov. 2.
Nonpulsating internal-combustion heater. H. J. De N. McCollum. 2,452,780, Nov. 2.
Nozzle, Friction. J. J. de la Roza, Sr. 2,452,555, Nov. 2.
Nursing bottle holder. N. W. Guden. 2,452,749, Nov. 2.
Oil burner with unbalanced air supply, Open pot. L. D. Mills. 2,453,029, Nov. 2.
One-piece sucker rod. P. F. Rossmann. 2,453,038, Nov. 2.
Optical objective, Three-component telephoto type. A. Cox. 2,452,909, Nov. 2.
Organic compounds, Manufacture of unsaturated. S. A. Miller and W. H. Groombridge. 2,452,672, Nov. 2.
Organic fluorine compounds, Production of. W. B. Whalley, 2,452,975, Nov. 2.
Organic peroxide composition. H. G. Hyatt and E. S. Shanley. 2,453,070, Nov. 2.
Organic peroxides, Desensitization of solid. H. G. Hyatt and E. S. Shanley. 2,453,071, Nov. 2.
Organic plastic material, Forming slabs of. R. S. Jesionowski. 2,452,761, Nov. 2.
Ornamented knitted article manufacture. E. F. Wirtz. 2,452,707, Nov. 2.
Oscillator, Ultra short wave. J. H. Fremlin. 2,452,559, Nov. 2.
Oxidized asphalt product and making same. R. B. Killingsworth, H. T. Van Horn, and W. E. Spelshouse. 2,453,094, Nov. 2.
Package extractor. H. S. Drum, W. C. Dodson, and W. H. Jaxheimer. 2,452,638, Nov. 2.
Package of photographic light-sensitive papers. S. F. W. Welford. 2,452,705, Nov. 2.
Packaging, Methods of. C. E. Slaughter. 2,452,607, Nov. 2.
Pad, Heating. J. Youhouse. 2,542,622, Nov. 2.
Parachute pack, Method of and apparatus for inclosing a folded. E. L. Selsmeyer. 2,452,604, Nov. 2.
Parachute release. H. H. Bush. 2,452,990, Nov. 2.
Pencil of the push-button type, Mechanical. F. Collura. 2,452,906, Nov. 2.
Pencil, Push-button type. F. Collura. 2,452,905, Nov. 2.
Pencil with internal illuminating means. J. J. Devine. 2,452,735, Nov. 2.
Phonograph records, Making. L. A. Wood, Jr. 2,452,821, Nov. 2.
Photographic developers containing tetrazolyl disulfides as antifogging agents. F. Dersch and R. H. Clark. 2,453,087, Nov. 2.
Photographic element having a mixed grain emulsion and process employing it, Multilayer. E. B. Knott and G. W. W. Stevens. 2,452,765, Nov. 2.
Piano action, Electric. J. F. Goodwin. 2,452,848, Nov. 2.
Pigments and producing same, Phthalocyanine. A. Siegel 2,452,606, Nov. 2.
Pigments and producing the same, Iron oxide. G. B. Smith. 2,452,608, Nov. 2.
Piston. H. Barnard. 2,452,714, Nov. 2.
Piston ring tool. G. Mesaros. 2,452,857, Nov. 2.
Pivot for shears, Screw. G. D. Calloway. 2,452,993, Nov. 2.
Planter, Seed. E. A. Sommer. 2,462,963, Nov. 2.
Pliers with crossed handles, Self-locking. W. A. Sharp. 2,453,041, Nov. 2.
Plug: *See*—
Connector plug.
Polishing machine. H. T. Nicholas. 2,452,863, Nov. 2.
Polyesters and vinyl compounds, Copolymerization of. M. M. Levine. 2,452,669, Nov. 2.
Polymerizing organosiloxanes. J. F. Hyde and O. K. Johannson. 2,453,092, Nov. 2.
Portable hod stand. V. C. Robinson. 2,452,684, Nov. 2.
Portable liquid heater. H. B. Holthouse. 2,452,656, Nov. 2.
Post construction, Tubular fence. W. L. Burritt. 2,452,630, Nov. 2.
Post, Fence. H. L. Craig. 2,452,840, Nov. 2.
Pot burner and flame ring, Elongated. C. S. Greer, Jr. 2,452,925, Nov. 2.
Pot burner having segmental air directing means. C. S. Greer, Jr. 2,452,924, Nov. 2.
Potentiometer, Self-balancing. B. J. Baecher. 2,452,539, Nov. 2.
Pottery ware, Method of and apparatus for producing. W. J. Miller. 2,452,858, Nov. 2.
Power plant and transmission arrangement for agriculture tractors. H. Hutchings. 2,453,069, Nov. 2.
Power transmission. N. Martinez. 2,452,777, Nov. 2.
Power transmission, Variable. R. E. Herrstrum. 2,452,754, Nov. 2.
Prerotation of aircraft wheels, causing. J. R. Cautley. 2,452,633, Nov. 2.
Pressure boosting means for braking systems, Hydraulic. R. R. Gunderson. 2,452,651, Nov. 2.
Prestressed sucker rod. P. F. Rossmann. 2,453,079, Nov. 2.
Processing apparatus, Food. H. A. Hooper. 2,452,657, Nov. 2.
Projector, Toy moving picture. T. S. MacMechan. 2,452,776, Nov. 2.
Protective switch. S. R. Smith, Jr. 2,452,961, Nov. 2.
Puller: *See*—
Nail puller.
Pulse modulation systems of electric communication. P. K. Chatterjea and C. T. Scully. 2,452,547, Nov. 2.
Pumping system. W. Shallenberg. 2,452,874, Nov. 2.
Question and answer rating device. L. Moscove. 2,452,673, Nov. 2.
Rack: *See*—
Tie rack.
Rack for poker chips and the like. I. I. Newman. 2,453,030, Nov. 2.
Radiator structure for air heating furnaces. F. W. Eichholtz. 2,452,556, Nov. 2.
Radii attachment, Lathe. W. B. Holdridge. 2,452,757, Nov. 2.
Railway car side bearing. N. F. Lane. 2,452,940, Nov. 2.
Reaction product of rosin and copolymer of vinyl acetate and an alpha-unsaturated carboxylic acid ester and process of making same. J. B. Rust and W. B. Canfield, 2,452,870, Nov. 2.
Reading unit, Magnifying. G. M. Cressaty. 2,453,064, Nov. 2.
Receptacle: *See*—
Electric terminal receptacle.
Record changing apparatus, Automatic. O. C. Booher. 2,452,721, Nov. 2.
Rectifier, Metal contact. O. Saslaw. 2,452,603, Nov. 2.
Reducing the mercaptan sulfur content of hydrocarbon oils. J. Happel and S. P. Cauley. 2,453,067, Nov. 2.
Refining copper and its alloys. M. G. Corson. 2,452,996, Nov. 2.

Reflector. J. M. Wolf. 2,452,822, Nov. 2.
Reflector drift indicator apparatus for boats and aircraft. W. W. Remy. 2,452,682, Nov. 2.
Refrigerating apparatus. D. Aronson. 2,452,711, Nov. 2.
Refrigerating system, Absorption. C. C. Coons. 2,452,635, Nov. 2.
Refrigeration. O. B. Sutton. 2,452,699, Nov. 2.
Refrigeration employing Dry Ice. N. Morris. 2,452,594, Nov. 2.
Refrigeration system and control therefor, Plural stage. W. L. McGrath. 2,453,095, Nov. 2.
Refrigeration unit, Sealed. H. E. Thompson. 2,452,807, Nov. 2.
Regulator: *See*—
Draft regulator. Electrical regulator.
Remote control and indication system, Electric. E. M. S. McWhirter and H. J. Ward. 2,452,589, Nov. 2.
Remote-control apparatus with adjustable gap. M. N. Yardeny and R. Bernas. 2,453,106, Nov. 2.
Resins from sulfur dioxide and unsaturated organic compounds, Manufacture of. A. K. Scribner and F. W. Wilder. 2,453,039, Nov. 2.
Resistor. A. S. Eisenstein and K. J. Germeshausen. 2,452,737, Nov. 2.
Resonator for musical instruments. A. M. Tyson. 2,452,809, Nov. 2.
Retarder, Railway car. J. A. Bodkin. 2,452,720, Nov. 2.
Rod: *See*—
One-piece sucker rod. Telescopic fishing rod.
Prestressed sucker rod.
Roll adjusting mechanism. F. R. Whitcomb. 2,452,976, Nov. 2.
Roof and wall structure. A. Elmendorf. 2,452,640, Nov. 2.
Rotary tap switch. R. A. K. Fleischmann. 2,452,916, Nov. 2.
Rotary type can opener. R. E. McLean. 2,452,781, Nov. 2.
Rotors for compressors and like machines, Construction of. R. C. McLeod and G. B. R. Felliden. 2,452,782, Nov. 2.
Sack holder. W. H. Backs. 2,452,826, Nov. 2.
Safety suspenders, Extensible. R. S. Ashton. 2,452,538, Nov. 2.
Salt composition, Iodized. W. H. Engels. 2,452,641, Nov. 2.
Scraper, Foot. P. Stahell. 2,452,800, Nov. 2.
Screen: *See*—
Submerged reciprocating screen.
Sealing unit and gasket. J. C. Carter. 2,452,832, Nov. 2.
Seam-portions of electrically conducting articles, Welding. L. L. Jones. 2,452,574, Nov. 2.
Seaming roller mounting. R. E. J. Nordquist. 2,452,596, Nov. 2.
Sharpening device for the cutting rollers of pencil sharpeners. F. E. Bearden. 2,452,827, Nov. 2.
Shearing machine, Rock. E. E. White. 2,452,706, Nov. 2.
Shift circuits, Phase. R. D. McCoy. 2,452,586, Nov. 2.
Shock absorber, Friction. G. E. Dath. 2,452,637, Nov. 2.
Shock absorber, Hydraulic. L. E. Willard. 2,452,885, Nov. 2.
Shoe, Tread. A. J. Gillespie. 2,452,921, Nov. 2.
Shoe tree, Foldaway. W. F. Sheppard. 2,452,689, Nov. 2.
Shoe upper, Self-adjustable. E. and R. Sudiah. 2,452,803, Nov. 2.
Shopping bag. B. Chodak. 2,452,994, Nov. 2.
Shoulder weapon, Gas operated. J. W Wechsler. 2,452,617, Nov. 2.
Sight, Telescopic. C. H. Meyer. 2,452,592, Nov. 2.
Signal device, Stop light. J. Karow. 2,452,762, Nov. 2.
Signaling apparatus, Sound. I. C. Clement. 2,452,571, Nov. 2.
Signaling system, Electric. E. M. S. McWhirter and H. J. Ward. 2,452,590, Nov. 2.
Silencer, Spark arrester. R. B. Bourne, J. P. Tyskewicz, and A. E. Chase. 2,452,723, Nov. 2.
Sleeve valve engine. M. Lothrop. 2,452,583, Nov. 2.
Slide fastener. A. M. Brown. 2,452,899, Nov. 2.
Slipper. C. H. Graves. 2,452,649, Nov. 2.
Slip-ring structure. E. J. Jones. 2,453,073, Nov. 2.
Snubbing device for catapults. D. L. Weeks. 2,452,618, Nov. 2.
Soapmaking process. G. B. Bradshaw. 2,452,724–5, Nov. 2.
Sockets primarily for radio tubes and the like. D. Jackson. 2,453,014, Nov. 2.
Sockets primarily for radio valves and the like. D. Jackson. 2,453,015, Nov. 2.
Solution consisting of a polymeric N-vinyl pyrrole compound and chloroform. M. T. Orinik. 2,453,097, Nov. 2.
Spark plug and making the same. T. Tognola and L. H. Segall. 2,453,048, Nov. 2.
Spindle, Picker. S. W. La Rocque. 2,452,771, Nov. 2.
Spirit level. F. M. and W. P. Holloway. 2,453,091, Nov. 2.
Stabilizing beer against radiation deterioration. E. C. Uihlein and J. W. Lawrie. 2,452,968, Nov. 2.
Stain resistant plasticized polyvinyl chloride resin coatings. H. A. Van Etten. 2,453,052, Nov. 2.
Stand: *See*—
Collapsible stand. Portable hod stand.
Starting aid, Low-temperature engine. R. I. Olsen. 2,452,597, Nov. 2.
Stereo camera range finder system. E. H. Land, A. J. Bachelder, and O. E. Wolff. 2,453,075, Nov. 2.
Stocking stretcher. W. L. Bannister. 2,453,059, Nov. 2.
Strap, Check. H. J. Shivell. 2,452,690, Nov. 2.
Strap, Duck. H. A. Sleep. 2,452,692, Nov. 2.
Strip-shingles, Interlocking. H. Abraham. 2,452,708, Nov. 2.
Submerged reciprocating screen. B. M. Bird. 2,452,982, Nov. 2.
Sulfolanyl sulfones. R. C. Morris and E. C. Shokal. 2,452,949, Nov. 2.
Supervisory apparatus, Electric. E. C. Thomson. 2,452,615, Nov. 2.
Support: *See*—
Bed spring support. Filler cap support.
Curtain and shade support.
Surgical anastomosis apparatus and method. W. E. Zack. 2,453,056, Nov. 2.
Sweep circuit. J. W. Rieke. 2,452,683, Nov. 2.
Switch: *See*—
High-pressure contact switch. Protective switch.
Multiple function switch. Rotary tap switch.
Multiple switch. Tire deflation operated switch.
Switching device. H. C. Harrison. 2,452,568, Nov. 2.
Swivel, Universal. R. C. Mathewson. 2,452,778, Nov. 2.
Symphonic instrument. A. Fuschi. 2,452,743, Nov. 2.
Synchronous electric motor with automatic starter. O. Schild. 2,452,958, Nov. 2.
System for transmitting motion from a movable measuring element to a movable informing element. W. P. Powers. 2,453,098, Nov. 2.
Table: *See*—
Cutting table. Extension table.
Tape applying device, Adhesive. G. C. Luebkeman. 2,452,584, Nov. 2.
Tape dispenser. E. W. Mason. 2,453,028, Nov. 2.
Telephone system utilizing a register controller. J. Kruithof, L. Kozma, and M. den Hertog. 2,452,578, Nov. 2.
Telescopic fishing rod. J. H. Peters. 2,452,788, Nov. 2.
Television projection tube. B. J. Edwards. 2,453,003, Nov. 2.
Termination for electric power cables. E. C. Lee. 2,452,580, Nov. 2.
Therapeutic agent. S. M. Wade. 2,452,813, Nov. 2.
Therapeutic food, Supplemental. T. W. Halliday and G. H. Joseph. 2,452,750, Nov. 2.
Thiophene-aldehyde synthetic resins. P. D. Caesar and A. N. Sachanen. 2,453,085, Nov. 2.
3,4-dihydroxythiophene-2,5-dicarboxylic acid production. S. G. Turnbull, Jr. 2,453,102, Nov. 2.
Throttle and brake pedal, Combined. W. F. Benning. 2,452,981, Nov. 2.
Tie rack. G. C. Burton. 2,452,727, Nov. 2.
Tire deflation operated switch. E. H. Kuster. 2,452,768, Nov. 2.
Tire, Pneumatic. G. R. Cuthbertson. 2,452,998, Nov. 2.
Titaniferous ore, Smelting. F. L. Turbett. 2,453,050, Nov. 2.
Tongue stabilizer for vehicles. E. W. Allen. 2,452,710, Nov. 2.
Tool: *See*—
Hand cultivating tool. Piston ring tool.
Line marking tool.
Tool bit and holder therefor. H. M. Sheridan. 2,452,877, Nov. 2.
Toolholding attachment for machine tool turrets. H. N. Bourque. 2,453,083, Nov. 2.
Toy. W. E. Dailey. 2,452,841, Nov. 2.
Toy. H. E. Nietsche. 2,452,865, Nov. 2.
Toy, Aerial. E. J. Giara. 2,452,746, Nov. 2.
Toy bombing game. J. V. H. Whipple and A. B. C. Palazzo. 2,452,817, Nov. 2.
Toy gun. G. P. Lee. 2,452,668, Nov. 2.
Toy railway bridge. E. M. Woodward. 2,452,888, Nov. 2.
Toy, Roller. J. L. La Forge. 2,452,939, Nov. 2.
Tractor attaching structure for implements. F. T. Blaydes. 2,452,829, Nov. 2.
Tractor, Track-laying. L. B. Merrill. 2,452,671, Nov. 2.
Trailer. A. F. Pike. 2,452,780, Nov. 2.
Trailer and the like, Boat-carrying. F. Krake. 2,452,937, Nov. 2.
Trailer, Boat-carrying. F. Krake. 2,452,938, Nov. 2.
Trailer, Heavy-duty. E. A. Rehberger. 2,452,681, Nov. 2.
Trailer hitch. W. H. Olney. 2,452,785, Nov. 2.
Transformer, Band-pass. J. B. Gainer. 2,462,560, Nov. 2.
Transformer control, Electronic. D. B. Clark. 2,452,548, Nov. 2.
Transformer, Radio-frequency. C. W. Ramsden. 2,452,679, Nov. 2.
Tray, Ice. F. W. Sampson. 2,452,686, Nov. 2.
Tray, Ice cube. C. A. Flynn. 2,452,846, Nov. 2.
Treating bituminous sands, Process and apparatus for. R. F. Bauer and H. J. Matthews. 2,453,060, Nov. 2.
Treating leafy vegetables. J. N. Sharma. 2,453,040, Nov. 2.
Treating oil wells. A. G. Eickmeyer. 2,452,736, Nov. 2.
Treatment of water. C. A. Hampel. 2,452,928, Nov. 2.
Treatment of water. G. P. Vincent, J. D. MacMahon, and J. F. Synan. 2,452,970–1, Nov. 2.
Trigger action for double-barrel shotguns, Single. C. A. Young. 2,452,825, Nov. 2.

Trigonometric calculator. A. B. King. 2,452,662, Nov. 2.
Tube: *See*—
Cathode-ray tube. Television projection tube.
Current converting tube.
Tube and method, Protected. S. A. Eller. 2,462,557, Nov. 2.
Turbine seal. I. M. White and H. E. Nelson. 2,453,055, Nov. 2.
Turbogenerator. G. J. Lehmann. 2,452,581, Nov. 2.
2-alkylidene-3-keto-4-acylamido-tetrahydrothiophene. S. A. Harris and K. Folkers. 2,452,653, Nov. 2.
2-amino-2-alkyl-N,N'-diaryl-1,3 propane diamines and making. H. G. Johnson. 2,452,535, Nov. 2.
Undergarment. F. A. Cohen. 2,453,063, Nov. 2.
Vacuum drying apparatus using a refrigerant system for heating and cooling. V. C. Patterson. 2,453,033, Nov. 2.
Valve: *See*—
Control valve.
Valve. J. W. Robins. 2,452,956, Nov. 2.
Valve assembly for ventilation system, Relief. W. A. Swenberg. 2,452,612, Nov. 2.
Vegetable cutter on a horizontal axis with a follower feed, Rotary. L. O. D. Harris and W. P. Padgett. 2,452,567, Nov. 2.
Vehicle frame joint. H. A. Hutchins. 2,452,758, Nov. 2.
Vending apparatus. C. C. Colbert. 2,452,837, Nov. 2.
Venoclysis set, Disposable. M. R. Fields. 2,452,643, Nov. 2.
Ventilating device. K. M. Ganger and J. B. Burrowes. 2,453,009, Nov. 2.
Ventilator. H. W. Little. 2,452,941, Nov. 2.
Venting means for stoves, Concealed. W. Bauer. 2,452,715, Nov. 2.
Violin peg. E. R. Stone. 2,452,964, Nov. 2.
Voltmeter, Electronic. J. M. van Beuren. 2,452,880, Nov. 2.
Wave transmitting and receiving device, Compressional. B. R. Hubbard. 2,452,570, Nov. 2.
Welding rod and electrode holder. H. Shaw. 2,452,876, Nov. 2.
Wheel assembly, Car. K. A. Huldt. 2,452,659, Nov. 2.
Wheel chair. F. E. Wood. 2,452,886, Nov. 2.
Winding machine. R. M. Conklin. 2,452,733, Nov. 2.
Window construction. C. J. Wagner. 2,452,815, Nov. 2,
Window fan. H. Morrison. 2,452,950, Nov. 2.
Wood peeler, Self-adjusting. C. B. Cameron. 2,452,631, Nov. 2.
Work holder. H. Yates. 2,452,824, Nov. 2.
Work indexing attachment for lathes. J. D. Brown. 2,452,988, Nov. 2.
Wrench and clamp, Screw and toggle adjusted. H. Alpers. 2,452,625, Nov. 2.
Wrench with spring closed jaws and handle and pawl feed. O. M. Gross. 2,452,849, Nov. 2.
Yarn compressing spooler, Warp. E. J. Wilson. 2,452,819, Nov. 2.
Yarns or cords comprising cellulose filaments, Treatment of. J. W. Illingworth and L. F. Pickup. 2,453,013, Nov. 2.
Zirconium lakes and making same. E. Walner and H. L. Van Mater. 2,452,616, Nov. 2.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 2, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

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254: 2,452,680
309: 2,452,713
250— 20: 2,453,078
27: 2,452,548
27.5: 2,452,786
2,452,861
33.65: 2,452,767
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2,452,559
2,452,575
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2,452,683
2,452,811
2,452,912
2,452,951
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449: 2,452,712
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683.5: 2,452,691
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262— 30: 2,452,760
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267— 9: 2,452,637

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2, 452, 535:	260—570. 5	2, 452, 646:	240—47	2, 452, 729:	248—230	2, 452, 815:	189—65	2, 452, 986:	279—48	2, 453, 078:	250—20
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2, 452, 557:	138—68	2, 452, 680:	248—254	2, 452, 769:	318—29	2, 452, 841:	46—98	2, 453, 013:	28—76	2, 453, 085:	260—43
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2, 452, 630:	256—57	2, 452, 724:	252—370	2, 452, 808:	5—236	2, 452, 936:	248—205	2, 453, 074:	2—52		

CLASSIFICATION OF DESIGNS

D 7—	5: Des. 151,591	D15—11:	Des. 151,587	D33—	6: Des. 151,590	D38—	2: Des. 151,625	D56—	1: Des. 151,639	D72—	1: Des. 151,626
	7: Des. 151,644	D17—	2: Des. 151,606		14: Des. 151,578	D42—	10: Des. 151,634		Des. 151,640		Des. 151,627
	Des. 151,645		Des. 151,607		Des. 151,579	D44—	1: Des. 151,621		4: Des. 151,620	D74—	1: Des. 151,664
D 9—	2: Des. 151,623		Des. 151,608		Des. 151,586		29: Des. 151,666		Des. 151,660		Des. 151,665
D13—	1: Des. 151,646		Des. 151,609		Des. 151,588	D45—	4: Des. 151,603		9: Des. 151,581		24: Des. 151,658
	Des. 151,647		Des. 151,610		19: Des. 151,622		19: Des. 151,616		Des. 151,585		Des. 151,661
	Des. 151,648		Des. 151,611		Des. 151,624	D48—	20: Des. 151,605	D57—	1: Des. 151,643	D80—	9: Des. 151,601
D14—	3: Des. 151,580		Des. 151,612		Des. 151,636		Des. 151,663	D59—	10: Des. 151,592		11: Des. 151,637
	Des. 151,642		Des. 151,613		Des. 151,667		23: Des. 151,631		Des. 151,593	D83—	1: Des. 151,618
	6: Des. 151,596		6: Des. 151,651	D34—	5: Des. 151,602		Des. 151,632		Des. 151,594		Des. 151,633
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	Des. 151,653	D26—	14: Des. 151,614		15: Des. 151,582		Des. 151,629	D61—	1: Des. 151,615	D88—	3: Des. 151,655
	Des. 151,654		Des. 151,630		Des. 151,599	D49—	6: Des. 151,668		Des. 151,619		
	23: Des. 151,604	D31—	4: Des. 151,649		Des. 151,600	D52—	3: Des. 151,650	D70—	1: Des. 151,584		
D15—	1: Des. 151,617		Des. 151,650		Des. 151,635	D54—	9: Des. 151,597	D71—	1: Des. 151,583		
	8: Des. 151,662	D33—	6: Des. 151,589		Des. 151,657	D56—	1: Des. 151,638		Des. 151,669		

U. S. GOVERNMENT PRINTING OFFICE: 1948

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

MANCHESTER (HOME & EXPORT) LIMITED
v.
THE PRINTZ BIEDERMAN COMPANY

No. 5467. Decided June 14, 1948

[168 F.2d 758; 76 USPQ 149]

1. TRADE-MARKS—OPPOSITION—DISCLAIMER.
Held that a disclaimer is not a cancellation.

2. SAME—SAME.
Held that in an opposition proceeding, the registered trade-mark upon which the opposition is based must be held valid, since its validity can be tested only by a cancellation proceeding.

3. SAME — SAME — "FAIRY PRINCESS" AND "PRINTZESS KNOCKABOUT."
Held "Fairy Princess" and "Printzess Knockabout" are confusingly similar when used upon goods of the same descriptive properties.

APPEAL from the Patent Office. Opposition No. 23,391.

AFFIRMED.

Harry C. Bierman for Manchester.

A. W. Murray for Printz Biederman.

GARRETT, *P. J.*:

This is an appeal from the decision of the Commissioner of Patents, acting through the First Assistant Commissioner, affirming the decision of the Acting Examiner of Interferences in a trade-mark opposition proceeding.

On December 11, 1943, appellant filed an application in the Patent Office to have "FAIRY PRINCESS" registered for use as a trade-mark for children's coats. Appellant, according to its application, is a company under the laws of Great Britain located at Manchester in the County of Lancaster, England.* In its application the allegation was made that the mark had been registered in England February 20, 1942, and specimens showing the mark as actually used were filed with the application. The specimen reproduced in the record consists of the notation "FAIRY PRINCESS" printed in bold-faced type, the letters being capitals.

On June 3, 1944, appellee filed notice of opposition to the application, alleging:

Since a date long prior to 1942, the date of first use claimed by said applicant [appellant] the opposer [appellee] has continuously used and opposer [appellee] is now using and owns the trade-marks "PRINTZESS," "YANKEE PRINTZESS," "PRINTZESS PETITE," "PRINTZESS TOURISTER," "PRINTZESS KNOCKABOUT," "PRINTZESS DEB," "PRINTZESS—DISTINCTION IN DRESS," and other trade-marks of which "PRINTZESS" is a part, as applied to women's, misses', juniors', teens', and children's outer wearing apparel, including coats, suits, skirts, dresses, jackets, scarfs, in Class 39, Clothing, and on textile fabrics in Class 42, Knitted, Netted, and Textile Fabrics.

Also, it alleged registration of several of the marks, filing copies of such registrations with the notice for consideration under Patent Office rule 154(*c*).

It was further alleged that Fairy Princess "so nearly resembles" the quoted marks owned and used by appellee that its use by appellant would be likely "to cause confusion and mistake in the mind of the public and mislead purchasers," as to origin of the goods, children's coats (the goods of appellant) and the articles of wearing apparel made by appellee being alleged to be merchandise of the same descriptive properties.

On December 11, 1945, the Examiner of Interferences rendered his decision. He deemed appellee's registered mark "PRINTZESS KNOCKABOUT," as applied to women's wearing apparel—namely jackets, coats, capes, suits, skirts, and waists—to be the most pertinent of the marks pleaded in the opposition. It was pointed out that the word "KNOCKABOUT" was disclaimed as descriptive. In substance, he held "PRINTZESS" to be the dominant part of appellee's mark, since "KNOCKABOUT" was disclaimed, and held "PRINCESS" to be "at least a very prominent portion of applicant's [appellant's] mark," if not the dominant feature thereof.

In a decision rendered December 27, 1945, on a request for reconsideration, the Examiner of Interferences said inter alia:

> It seems to the Examiner that the [his original] decision * * * clearly holds that the mark "FAIRY PRINCESS," considered as a whole, is so similar to the mark Printzess "KNOCKABOUT," also considered as a whole, as to be likely to lead to confusion in trade. Likewise, it is not deemed necessary that the Examiner find as a fact that any portion of the applicant's [appellant's] mark be considered as the dominant portion. It is sufficient if it be found that mark considered in its entirety is confusingly similar to the opposer's [appellee's] mark, as has been done.

The appeal to the Commissioner of Patents having been taken, appellant filed its brief seemingly on

* As such it is, by reason of treaty agreement, entitled to all the rights and privileges of the Trade-Mark Registration Act of February 20, 1905.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

October 11, 1946, and filed therewith a proposed disclaimer of the word "Princess." In the course of his decision the First Assistant Commissioner stated:

> Concurrently with its brief on appeal, applicant [appellant] filed a disclaimer of the word "Princess" in its application, "apart from the other features of the mark;" and now rests its case primarily upon the premise that this word is "in the public domain" because descriptive. According to applicant [appellant] "there is absolute proof that from 1876 and down to date, the word 'Princess' has been used universally to designate or describe a certain style of women's garments."
>
> Applicant [appellant] disavows any intention to question the validity of opposer's [appellee's] registration, but that is necessarily the purport of its argument. The word "Knockabout" is clearly descriptive of opposer's [appellee's] goods; and if "Princess" is likewise descriptive, so also is "Printzess," for these two words are "substantially identical in all respects."

He pointed out that he had to assume the validity of appellee's registration, since the validity of a registered mark may be attacked only in a cancellation proceeding, and being of the view that "Princess," although disclaimed, "remains at least a prominent part of applicant's [appellant's] mark," held, in effect, that confusion would be likely to result from the concurrent use of "Printzess Knockabout" and "Fairy Princess" upon goods of the same descriptive properties.

Before us it is contended on behalf of appellant that "Princess" is a term descriptive of merchandise such as that to which appellant applies it and that to which appellee applies it. It is argued, in effect, that, therefore, the term "Princess" has no trade-mark significance and that it should be disregarded. It is urged on behalf of appellant, however, that the word "Printzess" in appellee's mark is in a different category. In the brief for appellant it is said:

> The appellee herein did not use the same word "Princess" as appellant used but had a special form and design of a word "Printzess," which is a coined word derived from the corporate name of appellee, Printz, with the suffix "ess." Also, the word "Printzess" is written in distinctive Gothic letters. Therefore, • • • the comparison between the two words should have been made not in a broad sense but specifically comparing the spelling and the appearance of the two words. When one does so and bears in mind that the common word "Princess" has no trade-mark significance, one readily concludes that there can be no confusion between the words "Princess" and "Printzess."

In other words, it is argued on behalf of appellant that the word "Princess" in its mark has no trade-mark significance because it is descriptive, but that "Printzess" in the mark of appellee should be regarded differently.

It is somewhat difficult to understand why if appellant was of opinion that "Princess" had no trade-mark significance it included the word in its application, or why, if in the progress of the case it concluded that the word had no trade-mark significance, it did not cancel it rather than disclaim it.

A disclaimer is not a cancellation.

There is retained in appellant's mark as a part thereof the word "Princess" which clearly conflicts with the word "Printzess," included in appellee's mark. In this opposition proceeding, as was held by the First Assistant Commissioner, registration of the mark "Printzess Knockabout," must be held valid. Its validity can be tested only by a cancellation proceeding.

The decision appealed from is affirmed.

AFFIRMED.

By reason of illness, O'CONNELL, *J.*, was not present at the argument of this case and did not participate in the decision.

NOTICES

Extension of Time for Renewing Trade-Mark Registrations: Austria

By the President of the United States of America

A PROCLAMATION

WHEREAS by the Act of Congress approved July 17, 1946, 60 Stat. 568, the President is authorized, under the conditions prescribed in that act, to grant an extension of time for the fulfillment of the conditions and formalities for the renewal of trade-mark registrations prescribed by section 12 of the act authorizing the registration of trade-marks used in commerce with foreign nations or among the several States or with Indian tribes, and to protect the same, approved February 20, 1905, as amended (15 U. S. C. 92), by nationals of countries which accord substantially equal treatment in this respect to citizens of the United States of America:

NOW, THEREFORE, I, HARRY S. TRUMAN, President of the United States of America, under and by virtue of the authority vested in me by the aforesaid act of July 17, 1946, do find and proclaim that with respect to trade-marks of nationals of Austria registered in the United States Patent Office which have been subject to renewal on or after September 3, 1939, there has existed during several years since that date, because of conditions growing out of World War II, such disruption or suspension of facilities essential to compliance with the conditions and formalities prescribed with respect to renewal of such registrations by section 12 of the aforesaid act of February 20, 1905, as amended, as to bring such registrations within the terms of the aforesaid act of July 17, 1946; that Austria accords substantially equal treatment in this respect to trade-mark proprietors who are citizens of the United States; and that accordingly the time within which compliance with conditions and formalities prescribed with respect to renewal of registrations under section 12 of the aforesaid act of February 20, 1905, as amended, may take place is hereby extended with respect to such registrations which expired after September 3, 1939, and before June 30, 1947, until and including February 28, 1949.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the United States of America to be affixed.

DONE at the City of Washington, this 9th day of October, in the year of our Lord nineteen hundred and forty-eight and of the Independence of the United States of America the one hundred and seventy-third.

[SEAL] HARRY S. TRUMAN.

By the President:
ROBERT A. LOVETT,
Acting Secretary of State.

Proclamation 2816, October 11, 1948.

Adjudicated Patents

(C. C. A. Pa.) Palmer patent, No. 1,603,095, for a pneumatic tire carrier for automobile trucks, claim 1 *Held* invalid. *Galion Metallic Vault Co.* v. *Edward O. Budd Mfg. Co.*, 169 F.2d 72; 78 USPQ 135.

(C. C. A. Minn.) Hall patent, No. 2,035,652, for washing and cleansing, claim 10 *Held* invalid. *Hall Laboratories* v. *Economics Laboratory*, 169 F.2d 65; 78 USPQ 171.

(C. C. A. Pa.) Bizzantz patent, No. 2,146,107, for a vehicle, claim 1 *Held* invalid. *Galion Metallic Vault Co.* v. *Edward O. Budd Mfg. Co.*, 169 F.2d 72; 78 USPQ 135.

(C. C. A. Minn.) Hall reissue patent, No. 19,719, for water softening and washing, claim 28 *Held* invalid. *Hall Laboratories* v. *Economics Laboratory*, 169 F.2d 65; 78 USPQ 171.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,315,355, S. A. Scherbatskoy, Well surveying method and apparatus, decided July 28, 1948, claims 1, 3, and 4.

Pat. 2,418,268, D. I. Lawson, Pulse modulation signalling system, decided Oct. 7, 1948, claims 1 and 9.

Pat. 2,406,494, D. K. Ferris, Domestic appliance, decided Oct. 8, 1948, claim 4.

Pat. 2,365,938, E. W. Cook and W. D. Thomas, Jr., Wax substituted diaryl dithiophosphoric acids and salts thereof, decided Oct. 8, 1948, claims 1, 2, 3, 6, 7, and 8.

Pat. 2,419,408, W. A. Lightowler, Crankshaft, decided Oct. 11, 1948, claims 1 and 2.

Disclaimers

2,259,600.—*Robert Alkan*, Paris, France. AUTOMATIC STABILIZING ARRANGEMENT FOR AIRCRAFT. Patent dated Oct. 21, 1941. Disclaimer filed Oct. 6, 1948, by the inventor.

Hereby enters this disclaimer of claims 27, 30, 60, 62, and 63 of said patent.

2,329,463.—*Gustave H. Froelich*, Torrington, Conn. SASH BALANCE. Patent dated Sept. 14, 1943. Disclaimer filed Oct. 5, 1948, by the assignee, *The Turner & Seymour Manufacturing Co.*

Hereby enters this disclaimer to the particular combinations as set forth in claims 3, 10, 11, and 12 of said patent.

Cancellation Notices

Refrigeration Corporation of Maryland, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Refrigeration Engineering, Inc., 7250 E. Slauson Ave., Los Angeles, Calif., to effect the cancellation of trade-mark registration of Refrigeration Corporation of Maryland, Garrison Blvd. at Western Maryland R. R., Baltimore, Md., No. 285,095, dated July 14, 1931, and the notice of such proceeding sent by registered mail to the said Refrigeration Corporation of Maryland at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Refrigeration Corporation of Maryland, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Oct. 7, 1948. *Assistant Commissioner of Patents.*

Robert H. Sommers, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Nopco Chemical Company, First and Essex Sts., Harrison, N. J., to effect the cancellation of trade-mark registration of Robert H. Sommers, 600 Diversey Blvd., Rienzi Hotel, Chicago, Ill., No. 262,738, dated October 22, 1929, and the notice of such proceeding sent by registered mail to the said Robert H. Sommers at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Robert H. Sommers, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Oct. 7, 1948. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

General Aniline & Film Corporation has placed more than 3,000 patents on the Register of Patents as being available for licensing. The patents are grouped in five sections. The following patents (Reg. Nos. 10,264 through 11,190) are in Section 1, relating to Dyestuffs and Intermediates, Group 28—22—82—89. Inquiries concerning these patents should be addressed to the Patent Department, General Aniline & Film Corporation, 247 Park Avenue, New York 17, N. Y.

SECTION 1

Pat. 1,840,321. Quantitative Separation of a Mixture of 2-Halogen-3-Chloro- and 2-Halogen-5-Chloro-4-Amino-1-Methylbenzenes. Jan. 12, 1932.

Pat. 1,840,322. New Sulphur Dyestuffs and Process of Making. Jan. 12, 1932.

Pat. 1,840,383. Vat Dyestuffs of the Anthraquinone Acridone Series. Jan. 12, 1932.

Pat. 1,840,385. Acid Wool Azodyestuffs. Jan. 12, 1932.

Pat. 1,840,398. Chromiferous Azo Dyestuffs. Jan. 12, 1932.

Pat. 1,840,420. New Wool Dyestuffs of the Anthraquinone Series. Jan. 12, 1932.

Pat. 1,841,440. Process of Preparing 2:4-Di-Nitro-Phenyl-6-Hydroxytriazine-1:3:5. Jan. 19, 1932.

Pat. 1,841,441. 4'-Methyl-6-Halogen Thioindigos and Their 6'-Halogen Derivatives. Jan. 19, 1932.

Pat. 1,841,442. Mordant Dyestuffs of the Thiazine Series. Jan. 19, 1932.

Pat. 1,841,445. Production of Naphthalene Derivatives. Jan. 19, 1932.

Pat. 1,841,817. Sulphur Dyes of the Anthraquinone Series and Process of Making. Jan. 19, 1932.

Pat. 1,841,961. Manufacture of Vat Dyestuffs. Jan. 19, 1932.

Pat. 1,841,962. Production of Vat Dyestuffs. Jan. 19, 1932.

Pat. 1,841,963. Production of Vat Dyestuffs. Jan. 19, 1932.

Pat. 1,841,964. Production of Vat Dyestuffs. Jan. 19, 1932.

Pat. 1,841,965. Production of Vat Dyestuffs. Jan. 19, 1932.

Pat. 1,841,966. Production of Vat Dyestuffs. Jan. 19, 1932.

Pat. 1,841,997. 1-Aminoanthraquinone-2-Sulphonic Acid. Jan. 19, 1932.

Pat. 1,842,535. Production of Hydrated Chromic Chloride. Jan. 26, 1932.

Pat. 1,843,308. Acid Wool Dyestuffs of the Anthraquinone Series. Feb. 2, 1932.

Pat. 1,843,313. Hydroxyalkylamino-Anthraquinones and Their O-Sulphonic Acids. Feb. 2, 1932.

Pat. 1,843,376. Process for Preparing Chromium Compounds of Azo Dyestuffs. Feb. 2, 1932.

Pat. 1,843,670. Manufacture of Coloring Matters and Dyeings Therewith. Feb. 2, 1932.

Pat. 1,844,012. Dyestuff of the Anthraquinone Series and Process of Making Same. Feb. 9, 1932.

Pat. 1,844,016. Production of New Vat Dyestuffs of the Anthraquinone Acridine Series. Feb. 9, 1932.

Pat. 1,844,031. Valuable Acid Wool Azodyestuffs. Feb. 9, 1932.

Pat. 1,844,039. New Stable Reduction Compounds of the 6.6'-Dialkoxy-Thioindigos. Feb. 9, 1932.

Pat. 1,844,163. Derivatives of the Benzanthrone Series and Process of Preparing Them. Feb. 9, 1932.

Pat. 1,844,396. Manufacture of Dyestuffs Containing Chromium. Feb. 9, 1932.

Pat. 1,844,397. Manufacture of Dyestuffs Containing Chromium. Feb. 9, 1932.

Pat. 1,844,398. Manufacture of Dyestuffs Containing Chromium. Feb. 9, 1932.

Pat. 1,845,158. Production of Colored Rubber Goods. Feb. 16, 1932.

Pat. 1,845,390. Sulphur Vat Dyestuffs. Feb. 16, 1932.

Pat. 1,845,426. Azo Dyestuffs. Feb. 16, 1932.

Pat. 1,845,452. Production of Printing Pastes and Prints Therefrom. Feb. 16, 1932.

Pat. 1,845,469. Vat Dyestuffs of the Acridine Series. Feb. 16, 1932.

Pat. 1,846,073. Azodyestuffs Insoluble in Water and Process of Making Same. Feb. 23, 1932.

Pat. 1,846,074. Azodyestuffs Insoluble in Water and Process of Making Same. Feb. 23, 1932.

Pat. 1,846,121. Bromo-N-Benzanthronepyrazolanthrones. Feb. 23, 1932.

Pat. 1,846,122. Halogenated N-Benzanthronepyrazolanthrones. Feb. 23, 1932.

Pat. 1,846,126. Para Chloro Ortho Cresol Carboxylic Acid. Feb. 23, 1932.

Pat. 1,846,127. Ortho Chloro Para Cresol Carboxylic Acid. Feb. 23, 1932.

Pat. 1,846,139. Vat Dyestuff of the Pyrazolanthrone Series. Feb. 23, 1932.

Pat. 1,846,150. Solid Diazoazocompounds. Feb. 23, 1932.

Pat. 1,846,151. New Solid Diazoazosalts. Feb. 23, 1932.

Pat. 1,846,264. Producing Vat Dyestuffs. Feb. 23, 1932.

Pat. 1,846,644. Azo Dyestuffs. Feb. 23, 1932.

Pat. 1,847,513. Process for Preparing Diazonium Fluoro-Sulphonates. Mar. 1, 1932.

Pat. 1,847,514. 2-Mercapto-Arylene-Thiazole Compounds and Process of Making Same. Mar. 1, 1932.

Pat. 1,847,518. O-Amino-p-Cresol-Carboxylic-Acid and Process of Making Same. Mar. 1, 1932.

Pat. 1,847,561. Compound of the Imidazole Benzanthraquinone Series. Mar. 1, 1932.

Pat. 1,847,650. Production of Azo Dyestuffs and Color Lakes Thereof. Mar. 1, 1932.

Pat. 1,848,072. Production of Chloroanthraquinoneacridone. Mar. 1, 1932.

Pat. 1,848,073. Halogenated Anthraquinonebenzacridone. Mar. 1, 1932.

Pat. 1,848,074. Halogenated Anthraquinonebenzacridone. Mar. 1, 1932.

Pat. 1,848,506. Thiophenol Tanning and Mordanting Agents. Mar. 8, 1932.

Pat. 1,848,509. Dyestuffs of the Anthraquinone Series. Mar. 8, 1932.

Pat. 1,848,510. New Acid Wool Dyestuffs of the Anthraquinone Series. Mar. 8, 1932.

Pat. 1,849,426. Process for Manufacturing Chlorinated Derivatives of Anthanthrone. Mar. 15, 1932.

Pat. 1,849,444. Preparation of Ortho-Amino-Carboxylic Acid Esters of the Anthraquinone Series. Mar. 15, 1932.

Pat. 1,850,155. Producing Dischargeable Dyeings on Acetate Silk. Mar. 22, 1932.

Pat. 1,850,482. Production of New Vat Dyestuffs of the Anthraquinone Acridone Series and the Products. Mar. 22, 1932.

Pat. 1,850,526. Process for Manufacturing 2.3-Aminonaphthol Compounds. Mar. 22, 1932.

Pat. 1,850,547. Process of Preparing Azodyestuffs. Mar. 22, 1932.

Pat. 1,850,555. Poly Aryl Derivatives of Urea and Process of Making Same. Mar. 22, 1932.

Pat. 1,850,562. Vat Dyestuffs of the Anthraquinoneacridone Series and Process of Making Same. Mar. 22, 1932.

Pat. 1,851,082. Vat Dyestuffs of the Anthraquinone Acridone Series. Mar. 29, 1932.

Pat. 1,851,085. Halogen Anthraquinone Acridones. Mar. 29, 1932.

Pat. 1,851,097. New Azo Dyestuffs. Mar. 29, 1932.

Pat. 1,851,102. New Sulfoderivatives of Higher Fatty Acids and Process of Making Same. Mar. 29, 1932.

Pat. 1,851,114. New Vat Dyestuffs of the N-Di-Hydro-1.2-2'.1'-Anthraquinone Azine Series. Mar. 29, 1932.

Pat. 1,851,120. Azo Dyestuffs. Mar. 29, 1932.

Pat. 1,851,121. Substantive Azo Dyestuffs. Mar. 29, 1932.

Pat. 1,851,391. Process for Producing Amino Derivatives of Hexahydrodiphenyl. Mar. 29, 1932.

Pat. 1,851,511. Composition of Matter Suitable for Dyeing. Mar. 29, 1932.

Pat. 1,851,969. Monodiazo Compounds of 1.4-Di-amino-2-Halogen- or 2.3-Halogen-Anthraquinones and a Process of Preparing Them. Apr. 5, 1932.

Pat. 1,852,032. Trisazo Dyestuffs. Apr. 5, 1932.

Pat. 1,853,362. Coloring Matter and Process of Making Same. Apr. 12, 1932.

Pat. 1,853,418. Dyeing of Viscose. Apr. 12, 1932.

Pat. 1,853,435. Substituted Sulphur Dyestuff. Apr. 12, 1932.

Pat. 1,853,501. Uniform Dyeing of Viscose. Apr. 12, 1932.

Pat. 1,854,045. Dyestuffs of the Phenazine Series and Process of Preparing Them. Apr. 12, 1932.

Pat. 1,854,258. Production of Aromatic Amines. Apr. 19, 1932.

Pat. 1,855,278. Process of Dyeing Acetate Silk. Apr. 26, 1932.

Pat. 1,855,293. Halogen-Dibenzpyrenequinones and Process of Making Same. Apr. 26, 1932.

Pat. 1,855,295. Nitrogenous Vat Dyestuffs. Apr. 26, 1932.

Pat. 1,855,306. Production of Brown Vat Dyestuffs of the Diazine Benzanthrone Series. Apr. 26, 1932.

Pat. 1,855,318. Process of Splitting off Sulpho Groups from Anthraquinone Sulphonic Acid Derivatives. Apr. 26, 1932.

Pat. 1,855,319. Condensation Products of the Anthraquinone Series Containing the Radical of Formaldehyde in a Stable Linkage. Apr. 26, 1932.

Pat. 1,855,328. Azo Dyestuffs. Apr. 26, 1932.

Pat. 1,855,963. Uniform Dyeing of Viscose. Apr. 26, 1932.

Pat. 1,856,203. Production of Vat Dyestuffs. May 3, 1932.

Pat. 1,856,207. Anthrimido-Carbazoles. May 3, 1932.

Pat. 1,856,210. Manufacture of New Isatines. May 3, 1932.

Pat. 1,856,211. New Secondary Trisazodyestuffs. May 3, 1932.

Pat. 1,856,212. Process of Preparing 1.4-Diaminoanthraquinone. May 3, 1932.

Pat. 1,856,215. Process of Making Vat Dyestuffs of the Anthanthrone Series. May 3, 1932.

Pat. 1,856,217. Wool Azo Dyestuffs and Process of Making Same. May 3, 1932.

Pat. 1,856,434. Printing Pastes from Dyestuffs and Process of Preparing Them. May 3, 1932.

Pat. 1,856,710. Process of Preparing Vat Dyestuffs. May 3, 1932.

Pat. 1,856,711. Benzanthrone-Derivatives and Process of Preparing Them. May 3, 1932.

Pat. 1,857,230. Process of Producing Fast Printings. May 10, 1932.

Pat. 1,857,232. New Vat Dyestuffs of the Anthraquinone Series. May 10, 1932.

Pat. 1,857,244. New Monoazodyestuffs. May 10, 1932.

Pat. 1,857,250. Vat Dyestuffs of the Thionaphthene-Indolindigo Series. May 10, 1932.

Pat. 1,857,264. New Dyestuff of the Thionaphthene-Indigo Series. May 10, 1932.

Pat. 1,857,541. Arylated Aminonaphthalene Derivatives. May 10, 1932.

Pat. 1,857,542. Amino Arylated Amino Naphthalene Derivatives. May 10, 1932.

Pat. 1,857,553. Anthraquinonyl-Amino Derivatives of Benzanthronepyrazol-anthrone. May 10, 1932.

Pat. 1,857,555. Arylides of Naphthalene Dicarboxylic Acids and Process of Making Same. May 10, 1932.

Pat. 1,858,623. Diazo-Amino Compounds. May 17, 1932.

Pat. 1,858,625. 3.5-Dihalogen-1-Methyl-Benzene-2-Carboxylic Acids and Process of Preparing the Same. May 17, 1932.

Pat. 1,858,628. Water Insoluble Azodyestuffs and Process of Making Same. May 17, 1932.

Pat. 1,858,629. Water Insoluble Azodyestuffs. May 17, 1932.

Pat. 1,858,632. Stable Preparations of Vat Dyestuffs and Process for Making Same. May 17, 1932.

Pat. 1,858,828. Manufacture of Pigment Colors. May 17, 1932.

Pat. 1,859,705. Compounds Having an Affinity for Cotton. May 24, 1932.

Pat. 1,859,706. Manufacture of Azo-Dyes. May 24, 1932.

Pat. 1,859,742. Production of Nitrogenous Dyestuffs. May 24, 1932.

Pat. 1,859,868. Process of Preparing Pigments Fast to Light. May 24, 1932.

Pat. 1,860,036. Pigment Dyes. May 24, 1932.

Pat. 1,860,472. Vat Dyestuffs of the Anthraquinone Acridone Series. May 31, 1932.

Pat. 1,860,478. Dyestuffs of the Tartrazine Series. May 31, 1932.

Pat. 1,860,487. Water Soluble Condensation Products of Sulphonated Aromatic Hydrocarbons or Hydroxy Derivatives Thereof with Aralkyl Halides. May 31, 1932.

Pat. 1,861,890. Separation of Mixtures of Primary Aromatic Amines. June 7, 1932.

Pat. 1,861,917. Azodyestuffs Containing Copper. June 7, 1932.

Pat. 1,861,921. Brown Vat Dyestuffs of the Benzanthrone Acridine Series and Process of Making Same. June 7, 1932.

Pat. 1,861,926. New Water Insoluble Azodyestuffs. June 7, 1932.

Pat. 1,862,241. Solid Preparations of Aryldiazonium Fluoborates, Yielding Concentrated Diazo-solutions and Process of Making Same. June 7, 1932.

Pat. 1,862,594. Process for Manufacturing Halogen Aryl-Thioglycollic Acids. June 14, 1932.

Pat. 1,862,596. Polyhalogenated Fatty Acids and Process of Making Same. June 14, 1932.

Pat. 1,863,662. Derivatives of Monoaminodibenzopyrenequinone. June 21, 1932.

Pat. 1,863,668. Vat Dyestuffs. June 21, 1932.

Pat. 1,863,679. Polymethine Dyestuffs. June 21, 1932.

Pat. 1,863,792. Poly-Azo Dyestuffs. June 21, 1932.

Pat. 1,863,987. Substitution Products of Pyranthrone. June 21, 1932.

Pat. 1,865,062. Azo Dyestuff and Acetate Silk Dyed Therewith. June 28, 1932.

Pat. 1,865,096. Manufacture of Alkoxybenzophenone Di- or Tricarboxylic Acids. June 28, 1932.

Pat. 1,866,956. Phenyl-Indol-Sulphonic Acids. July 12, 1932.

Pat. 1,867,057. Process of Preparing Monobenzoyldiamino-Anthraquinone. July 12, 1932.

Pat. 1,867,058. Process of Preparing Monobenzoyldiamino-Anthraquinones. July 12, 1932.

Pat. 1,867,069. Manufacture of 1-Hydroxy- or 1-Alkoxy-Anthraquinone-3-Carboxylic Acids. July 12, 1932.

Pat. 1,867,083. Production of Complex Metal Compounds of O-Hydroxyazo Dyestuffs. July 12, 1932.

Pat. 1,867,088. New Water Soluble Diazo Amino Compounds. July 12, 1932.

Pat. 1,867,090. Method for the Production of Vat Dyestuffs and the Product Thereof. July 12, 1932.

Pat. 1,867,091. Hydroxy-1'.8'-Naphthoylene-Naphthimidazoles. July 12, 1932.

Pat. 1,867,097. Compounds of the Thiazolanthrone Sulphone Series and Process of Making Same, July 12, 1932.

Pat. 1,867,105. New Process for Preparing P-Nitroso-Amine Compounds of the Aromatic Series and the Compounds Obtainable Thereby. July 12, 1932.

Pat. 1,867,106. Hydroxy-Benzocarbazole-Carboxylic Acids. July 12, 1932.

Pat. 1,867,459. Aralkylbenzanthrones and Process of Preparing Them. July 12, 1932.

Pat. 1,867,766. Halogen-Terephthalic-Hexahalides and Process of Preparing Same. July 19, 1932.

Pat. 1,867,858. Process for Producing an Anthraquinone Dye. July 19, 1932.

Pat. 1,867,863. Indophenol Azine Compounds. July 19, 1932.

Pat. 1,867,864. Carbazole-2.7-Disulphonic Acid. July 19, 1932.

Pat. 1,868,593. Aluminum Lakes of 1.4-Dihydroxy and 1-Amino - 4 - Hydroxy - Anthraquinone - Disulphonic Acids. July 26, 1932.

Pat. 1,868,608. Halogenated Dibenzanthrone. July 26, 1932.

Pat. 1,868,612. Arylamides of 3-Hydroxy-Phenyl-Aryl-Amine-Carboxylic Acids and Process of Making Same. July 26, 1932.

Pat. 1,870,498. Concentrated Solutions for Dyeing Purposes. Aug. 9, 1932.

Pat. 1,870,516. Printing on Textile Fabrics. Aug. 9, 1932.

Pat. 1,871,821. Dyestuffs of the Anthraquinone Series. Aug. 16, 1932.

Pat. 1,871,850. New Diazo-Amino Compounds. Aug. 16, 1932.

Pat. 1,871,852. Wool Dyestuffs and Process of Making Same. Aug. 16, 1932.

Pat. 1,871,990. Process of Preparing 2.3-Aminonaphthoic Acid. Aug. 16, 1932.

Pat. 1,871,991. New Azo Dyestuffs. Aug. 16, 1932.

Pat. 1,872,756. Manufacture of MS-Anthradianthrones. Aug. 23, 1932.

Pat. 1,873,402. Process of Producing Methylamines Substituted in the Methyl Group by a Cyclic Radical. Aug. 23, 1932.

Pat. 1,873,443. N-Hydroxyethylated Derivatives of 1-Amino- or 2-Amino-5-Hydroxynaphthalene-7-Sulphonic Acid. Aug. 23, 1932.

Pat. 1,873,514. Sulphur Dye. Aug. 23, 1932.

Pat. 1,873,606. Secondary Disazo Dyes. Aug. 23, 1932.

Pat. 1,873,628. Monoazo Dye. Aug. 23, 1932.

Pat. 1,873,925. Benzanthrone Derivatives of Pyrazolanthrone and Process of Preparing Them. Aug. 23, 1932.

Pat. 1,873,938. Naphthophenazine Dye. Aug. 23, 1932.

Pat. 1,873,946. Manufacture of Substituted Sulphur Dyestuffs in Substance or on the Fiber. Aug. 23, 1932.

Pat. 1,873,947. Manufacture of Substituted Sulphur Dyestuffs in Substance or on the Fiber. Aug. 23, 1932.

Pat. 1,873,948. Process of Dyeing with Substituted Sulphur Dyestuffs. Aug. 23, 1932.

Pat. 1,874,474. Yellow Azo Dyestuff. Aug. 30, 1932.

Pat. 1,874,524. Diazo-Amino Compounds. Aug. 30, 1932.

Pat. 1,874,547. Cycloketones, Polycycloketones, and Quinones, and Process of Preparing Them. Aug. 30, 1932.

Pat. 1,874,580. Process of Preparing Diphthaloyl-Naphthalene Compounds and a New Product Obtainable Thereby. Aug. 30, 1932.

Pat. 1,874,581. Aromatic Monoaroyl Diamines. Aug. 30, 1932.

Pat. 1,874,584. Production of New Vat Dyestuffs. Aug. 30, 1932.

Pat. 1,875,191. New Acid Dyestuffs of the Anthraquinone Series. Aug. 30, 1932.

Pat. 1,875,602. Production of Fast Printings on the Vegetable Fiber. Sept. 6, 1932.

Pat. 1,876,641. Dyeing Preparation for Coloring Chrome Leather and Process of Making the Same. Sept. 13, 1932.

Pat. 1,876,842. New Dyestuffs of the Diamino-Triphenylmethane Series. Sept. 13, 1932.

Pat. 1,876,880. Improving the Stability of Diazo Solutions in the Presence of Iron. Sept. 13, 1932.

Pat. 1,876,884. Yellow Pyrazolone Mono Azo Dyestuffs. Sept. 13, 1932.

Pat. 1,876,928. Process for Manufacturing Aryl-Ortho-Carboxyamido-Mercaptans. Sept. 13, 1932.

Pat. 1,876,929. Process for Producing 2-Mercapto-Arylene-Thiazole Compounds and the Products. Sept. 13, 1932.

Pat. 1,876,930. Hydroxy-Thionaphthenes Containing a Pyrazole Ring. Sept. 13, 1932.

Pat. 1,876,955. Process for Manufacturing Amino-Aldehyde Compounds. Sept. 13, 1932.

Pat. 1,876,957. Process of Sulphonating Higher Paraffin Hydrocarbons. Sept. 13, 1932.

Pat. 1,876,966. Nitrogen-Containing Derivatives of Dibenzpyrenquinones and Process of Preparing Them. Sept. 13, 1932.

Pat. 1,876,972. Production of Monoaminoanthanthrones and Derivatives Thereof. Sept. 13, 1932.

Pat. 1,876,973. Substitution Products of Anthanthrones. Sept. 13, 1932.

Pat. 1,876,974. Halogen Derivatives of Anthanthrones. Sept. 13, 1932.

Pat. 1,876,975. Production of Highly Halogenated Derivatives of Pyranthrone. Sept. 13, 1932.

Pat. 1,877,020. The Process of Improving Halogen Derivatives of N-Dihydro-1.2.2'.1'-Anthraquinoneazine. Sept. 13, 1932.

Pat. 1,877,057. Process for Manufacturing Mono-Halogenated Naphthostyril Compounds. Sept. 13, 1932.

Pat. 1,877,092. Yellow Mono-Azo Dyestuff. Sept. 13, 1932.

Pat. 1,877,114. Process for Manufacturing Mono-Halogen Derivatives of Naphthostyril and Substitution Products Thereof. Sept. 13, 1932.

Pat. 1,877,116. Process for Treating Water-Insoluble Azo Dyestuffs. Sept. 13, 1932.

Pat. 1,877,146. Process for Preparing Dyestuffs of the N.N-Dihydro-1.2.2'.1'-Anthraquinone Azine Series and Products Obtainable Thereby. Sept. 13, 1932.

Pat. 1,877,178. Vat Dyestuffs of the Benzanthrone Series and Process of Making Same. Sept. 13, 1932.

Pat. 1,877,315. Brominated Vat Dyestuffs of the Anthanthrone Series and Process of Making Same. Sept. 13, 1932.

Pat. 1,877,316. New Indigoid Dyestuffs. Sept. 13, 1932.

Pat. 1,877,318. Process of Producing Azo Dyestuffs on the Fiber. Sept. 13, 1932.

Pat. 1,877,741. Production of Nitrogenous Isodibenzanthrones. Sept. 13, 1932.

Pat. 1,877,790. Ketones of the Anthraquinone Series and Process of Making Same. Sept. 20, 1932.

Pat. 1,877,791. Vat Dyestuffs of the Anthraquinone Series. Sept. 20, 1932.

Pat. 1,877,866. Process of Halogenating Anthanthrone. Sept. 20, 1932.

Pat. 1,877,870. New Dyestuff of the Thioindigo Series. Sept. 20, 1932.

Pat. 1,877,884. Dyestuffs of Pyrazolanthrone Series and Process of Making Same. Sept. 20, 1932.

Pat. 1,877,899. Vat Dyestuffs of the Dibenzpyrenequinone Series. Sept. 20, 1932.

Pat. 1,877,900. New Acid Dyestuffs and a Process of Preparing Them. Sept. 20, 1932.

Pat. 1,877,906. Meta-Hydroxy-Diarylamine-Carboxylic Acid. Sept. 20, 1932.

Pat. 1,877,945. Dyeing with Vat Dyestuffs Sensitive to Calcium Compounds. Sept. 20, 1932.

Pat. 1,877,946. Halogen Derivatives of the Anthraquinoneazine Series and Process of Making Same. Sept. 20, 1932.

Pat. 1,877,947. Process for Producing Vat Dyestuffs of the Anthraquinone Acridine Series. Sept. 20, 1932.

Pat. 1,877,948. Vat Dyestuffs of the N-Dihydro 1.2.2'.1'-Anthraquinoneazine Series and Process of Making Same. Sept. 20, 1932.

Pat. 1,877,972. New Condensation Product of the Anthraquinone Series and a Process of Making Same. Sept. 20, 1932.

Pat. 1,877,973. New Indigoid Dyestuffs of the Anthraquinone Series. Sept. 20, 1932.

Pat. 1,878,050. Vat Dyestuffs of the Benzanthrone-Pyrazolanthrone Series. Sept. 20, 1932.

Pat. 1,878,056. Vat Dyestuffs. Sept. 20, 1932.

Pat. 1,878,058. Process for Manufacturing Vat Dyestuffs of the Anthanthrone Series. Sept. 20, 1932.

Pat. 1,878,137. Complex Inner Organo-Iron Compounds and Process of Preparing the Same. Sept. 20, 1932.

Pat. 1,878,168. 1-Amino Carbazole. Sept. 20, 1932.

Pat. 1,878,243. Process for Manufacturing Azodyestuffs. Sept. 20, 1932.

Pat. 1,878,471. Azo Dyestuff. Sept. 20, 1932.

Pat. 1,878,531. Dyestuffs of the Safranine Series and the Process of Making Them. Sept. 20, 1932.

Pat. 1,878,543. Monoaroyldiamines of the Benzene Series. Sept. 20, 1932.

Pat. 1,878,548. Fast Blue Dyeings on the Fiber. Sept. 20, 1932.

Pat. 1,878,557. Asymmetric Polymethine Dyestuffs. Sept. 20, 1932.

Pat. 1,878,666. Halogen Substitution Product of Dinaphthylene-Dioxide. Sept. 20, 1932.

Pat. 1,878,698. Pigment Dyestuffs. Sept. 20, 1932.

Pat. 1,878,700. Monoazodyestuffs. Sept. 20, 1932.

Pat. 1,878,965. Vat Dyestuff of the Anthraquinone Acridone Series. Sept. 20, 1932.

Pat. 1,878,966. Wool-Dyestuff of the Dianthraquinonylamine Series. Sept. 20, 1932.

Pat. 1,878,986. Vat Dyestuffs of the Polynuclear Aromatic Imidazole Series and the Process of Preparing Them. Sept. 20, 1932.

Pat. 1,878,987. Manufacture of 1.4.4'-Trihydroxy-2.2'-Dianthraquinonyl-3.1'-Oxide. Sept. 20, 1932.

Pat. 1,879,132. Arylsulphamino-Alpha-Naphthol Sulfonic Acids. Sept. [illegible], 1932.

Pat. 1,879,209. [illegible]ocess of Preparing Nitriles. Sept. 27, 1932.

Pat. 1,879,223. New Azodyestuffs. Sept. 27, 1932.

Pat. 1,879,240. Azo Dyestuffs. Sept. 27, 1932.

Pat. 1,879,261. Monoazo Dyestuffs. Sept. 27, 1932.

Pat. 1,879,390. Process of Preparing Quinizarine Sulfonic Acids. Sept. 27, 1932.

Pat. 1,879,424. Watersoluble Diazo Compound. Sept. 27, 1932.

Pat. 1,879,425. Hydroxycarbazole-Sulfonic Acid. Sept. 27, 1932.

Pat. 1,879,535. New Vat Dyestuffs of the Anthraquinone Series. Sept. 27, 1932.

Pat. 1,880,440. New Vat Dyestuffs of the Anthanthrone Series. Oct. 4, 1932.

Pat. 1,880,441. Phenanthridone and Process of Making Same. Oct. 4, 1932.

Pat. 1,880,490. Vat Dyestuffs of the Anthraquinone Series. Oct. 4, 1932.

Pat. 1,880,522. Preparation of Diazo Baths Suitable for the Production of Azo Dyestuffs on the Fiber. Oct. 4, 1932.

Pat. 1,880,593. Aminocarbazole-Sulfonic Acid. Oct. 4, 1932.

Pat. 1,880,594. Process of Preparing 2.2'-Diamino-Diphenyl-4.4'-Disulfonic Acid. Oct. 4, 1932.

Pat. 1,880,761. Color Lake. Oct. 4, 1932.

Pat. 1,880,959. Process for Producing Nitroso Diazo Solutions. Oct. 4, 1932.

Pat. 1,880,970. New Acid Wool Dyestuffs of the Anthraquinone Series and Process of Making Same. Oct. 4, 1932.

Pat. 1,881,697. Manufacture of Vat Dyestuffs of the Anthraquinone Series. Oct. 11, 1932.

Pat. 1,882,263. Sulphur Containing Vat Dyestuffs and Process of Making Them. Oct. 11, 1932.

Pat. 1,882,285. Bromination Product of the Dibenzanthrone Series. Oct. 11, 1932.

Pat. 1,882,286. Arylamides of Meta-Hydroxy-Diarylamine-Carboxylic Acids and Process of Making Same. Oct. 11, 1932.

Pat. 1,882,556. Process of Preparing Azo Dyestuffs. Oct. 11, 1932.

Pat. 1,882,560. Manufacture of Water-Insoluble Azo Dyestuffs. Oct. 11, 1932.

Pat. 1,882,561. Dyeing Preparation. Oct. 11, 1932.

Pat. 1,882,562. Water Soluble Diazo-Amino Compound. Oct. 11, 1932.

Pat. 1,883,525. Chloro-Anthraquinone-Acridones and Process of Making Same. Oct. 18, 1932.

Pat. 1,885,037. Leucoindophenols of the Carbazole Type. Oct. 25, 1932.

Pat. 1,885,172. New Derivatives of 1.2.7.8-Diphthaloylcarbazole. Nov. 1, 1932.

Pat. 1,886,017. 1-Hydroxy-4-Halogen-Anthraquinone-2-Sulfonic-Acid and Process of Making Same. Nov. 1, 1932.

Pat. 1,886,365. New Sulphur-Dyestuffs and a Process of Preparing Them. Nov. 8, 1932.

Pat. 1,886,797. Naphthalimide Dyestuffs and Process of Preparing Them. Nov. 8, 1932.

Pat. 1,886,809. Arylated Safranines and Process of Preparing Them. Nov. 8, 1932.

Pat. 1,887,396. Aromatic Halogen-Methyl Compound and a Process of Preparing It. Nov. 8, 1932.

Pat. 1,887,812. Vat Dyestuff. Nov. 15, 1932.

Pat. 1,888,624. Preparation of Vat Dyestuff Isomers of the 1.4.5.8 Naphthoylene Dibenzimidazol Series and the Product. Nov. 22, 1932.

Pat. 1,888,625. New Vat Dyestuff Isomers. Nov. 22, 1932.

Pat. 1,888,626. Separation of New Vat Dyestuff Isomers. Nov. 22, 1932.

Pat. 1,888,631. Production of Nitrogenous Vat Dyestuffs of the Azine Series and the Products. Nov. 22, 1932.

Pat. 1,889,154. Discharging Preparation. Nov. 29, 1932.

Pat. 1,889,279. Vat Dyestuffs and Process of Preparing Them. Nov. 29, 1932.

Pat. 1,889,298. Solid Diazoazometal Halide Double Salt. Nov. 29, 1932.

Pat. 1,889,371. Process of Producing Aniline-2.5-Disulphonic Acid. Nov. 29, 1932.

Pat. 1,889,732. Copper Containing Disazodyestuffs. Nov. 29, 1932.

Pat. 1,890,040. Production of Anthraquinone and Derivatives Thereof. Dec. 6, 1932.

Pat. 1,890,711. Process for the Manufacture of 6-Bromo-2-Hydroxy-Naphthalene and Its Substitution Products. Dec. 13, 1932.

Pat. 1,890,718. Vat Dyestuff of the Thionaphthene-Indigoid Series. Dec. 13, 1932.

Pat. 1,890,866. Making Anthraquinone-Sulphonic Acids. Dec. 13, 1932.

Pat. 1,891,148. Halogenation Product of the Ketimides of Acenaphth-Peri-Indanione and Its Derivatives. Dec. 13, 1932.

Pat. 1,891,168. Production of Derivatives of Napthalene. Dec. 13, 1932.

Pat. 1,891,677. New Substituted Phenol-Carboxylic Acids and Process of Making Same. Dec. 20, 1932.

Pat. 1,891,684. Vat Dyestuffs of the Diphthaloylcarbazole Series. Dec. 20, 1932.

Pat. 1,892,055. Azo Dyestuffs. Dec. 27, 1932.

Pat. 1,892,229. Dyestuffs of the Dibenzanthrone Series. Dec. 27, 1932.

Pat. 1,892,241. Benzanthrone Derivatives and Process of Preparing Them. Dec. 27, 1932.

Pat. 1,892,242. Substitution Products of Dibenzopyrenequinones. Dec. 27, 1932.

Pat. 1,892,280. Production of Colored Compositions. Dec. 27, 1932.

Pat. 1,892,310. Derivatives of Naphthazarine and Process of Preparing Them. Dec. 27, 1932.

Pat. 1,892,577. Derivatives of Amino-Naphthol Sulphonic Acids. Dec. 27, 1932.

Pat. 1,892,730. Process of Preparing Derivatives of the Naphthazarine Series. Jan. 3, 1933.

Pat. 1,893,091. Derivatives of the Diphenylamine Series and Process of Making Same. Jan. 3, 1933.

Pat. 1,893,556. Azo Dyestuffs and Material Dyed With Them. Jan. 10, 1933.

Pat. 1,893,557. Metal Compounds of an o-Hydroxyazo Dyestuff. Jan. 10, 1933.

Pat. 1,893,646. Azo Dyestuffs and Complex Metal Compounds Thereof. Jan. 10, 1933.

Pat. 1,893,656. Amides of 2.3-Amino-Naphthoic Acid and a Process of Preparing Them. Jan. 10, 1933.

Pat. 1,893,761. Manufacture of Chromium Oxide and Chromium Hydroxide. Jan. 10, 1933.

Pat. 1,893,991. Azo Dyestuffs on the Fiber and New Compositions of Matter. Jan. 10, 1933.

Pat. 1,894,191. Dyestuff of the Anthraquinone Series. Jan. 10, 1933.

Pat. 1,894,365. Binaphthylenedioxide Compound. Jan. 17, 1933.

Pat. 1,894,491. Derivative of Polymerized Cyanoanthraquinone Compounds. Jan. 17, 1933.

Pat. 1,895,099. Solid Preparation Yielding Nitroso Diazo Solutions of the Diphenylamine Series and Process of Making Same. Jan. 24, 1933.

Pat. 1,895,100. Ortho-Halogen Anthraquinonecarboxylic Acid and Process of Preparing It. Jan. 24, 1933.

Pat. 1,895,101. Vat Dyestuff of the Anthraquinone Series. Jan. 24, 1933.

Pat. 1,895,203. Production of Anthraquinone Azines. Jan. 24, 1933.

Pat. 1,895,713. β-Naphthyl-Aminoaryl-Hydroxy Fatty Acids. Jan. 31, 1933.

Pat. 1,896,435. Vat Dyestuffs of the Anthraquinone Series. Feb. 7, 1933.

Pat. 1,896,450. Disazo Dyes. Feb. 7, 1933.

Pat. 1,896,457. 2.7-Dihydroxynaphthalene-3.6-Dicarboxylic Acid. Feb. 7, 1933.

Pat. 1,896,461. Indophenols and Leucoindophenols of the Azine Series. Feb. 7, 1933.

Pat. 1,896,710. Azo Dyes. Feb. 7, 1933.

Pat. 1,897,129. Production of Colored Rubber Articles. Feb. 14, 1933.

Pat. 1,897,410. Diazo Sulfonates of the Diarylamine Series. Feb. 14, 1933.

Pat. 1,897,427. Vat Dyestuffs of the Anthanthrone Series and Process of Preparing the Same. Feb. 14, 1933.

Pat. 1,897,428. Vat Dyestuffs of the Anthraquinone Cyanuric Series. Feb. 14, 1933.

Pat. 1,897,430. New Vat Dyestuff of the Anthraquinone Series. Feb. 14, 1933.

Pat. 1,897,439. Production of Vat Dyestuffs of the Quinoline-Anthraquinone Series and the Products. Feb. 14, 1933.

Pat. 1,897,516. Process for Manufacturing Phenylthio Glycollic Acids, Containing Halogen and Alkyl Groups in Their Molecule. Feb. 14, 1933.

Pat. 1,898,125. Process for Manufacturing Piece-Dyed Woolen Fabrics Containing Effects of Silk. Feb. 21, 1933.

Pat. 1,898,138. Production of Colored Resisting Effects. Feb. 21, 1933.

Pat. 1,898,399. New Condensation Products of Formaldehyde and 1-Amino-Anthraquinone Compounds being Substituted in the 4-Position. Feb. 21, 1933.

Pat. 1,898,445. Indophenols of the Benzocarbazole Series and Process of Making Same. Feb. 21, 1933.

Pat. 1,898,446. New Dyestuffs Containing Sulphur. Feb. 21, 1933.

Pat. 1,898,452. Production of Vat Dyestuffs of the Dibenzanthrone Series. Feb. 21, 1933.

Pat. 1,898,457. Indophenol Sulphur Dyestuffs. Feb. 21, 1933.

Pat. 1,898,458. (Re. 19,437. Jan. 22, 1935). Vat Dyestuffs of the Acridone and Thioxanthone Series and the Process of Making Them. Feb. 21, 1933.

Pat. 1,898,523. Triarylmethane Dyes. Feb. 21, 1933.

Pat. 1,898,570. Process of Preparing Reserves under Dyestuffs Obtainable by Oxidation on the Fiber. Feb. 21, 1933.

Pat. 1,899,304. Dichloro-Methyl-Anthraquinones and Process of Making Same. Feb. 28, 1933.

Pat. 1,899,348. Purification of Vat Dyestuffs of the Anthraquinoneazine Series. Feb. 28, 1933.

Pat. 1,899,377. New Acid Dyestuffs of the Anthraquinone Series. Feb. 28, 1933.

Pat. 1,899,579. Process for Making Dibenzanthrone from the Corresponding BZ1.BZ1' Dibenzanthronyls. Feb. 28, 1933.

Pat. 1,900,350. Vat Dyestuffs of the Anthracene Series. Mar. 7, 1933.

Pat. 1,900,351. New Azodyestuffs. Mar. 7, 1933.

Pat. 1,900,365. Condensation Product from Aliphatic Aldehydes and Bases of the Naphthalene Series. Mar. 7, 1933.

Pat. 1,900,426. Substituted Amino-Diphenylamine. Mar. 7, 1933.

Pat. 1,900,454. Dyeing Furs, Hairs, Feathers, and Similar Articles. Mar. 7, 1933.

Pat. 1,900,972. Purifying Benzanthrone. Mar. 14, 1933.

Pat. 1,901,307. Halogenated Vat Dyestuffs of the 3.4.8.9- and 4.5.8.9-Dibenzpyrenequinone Series and a Process of Preparing Them. Mar. 14, 1933.

Pat. 1,901,308. Vat Dyestuffs of the Isodibenzanthrone Series and Method of Making Them. Mar. 14, 1933.

Pat. 1,901,321. Process for Rendering Harmless the Precipitates Formed by Hard Water. Mar. 14, 1933.

Pat. 1,901,322. Monoacylated 2.5-Diaminohydroquinone-ethers. Mar. 14, 1933.

Pat. 1,901,387. Azodyestuffs. Mar. 14, 1933.

Pat. 1,901,390. Black Azodyestuffs and Process of Making Same. Mar. 14, 1933.

Pat. 1,901,393. Polyazodyestuffs. Mar. 14, 1933.

Pat. 1,901,515. Diarylsulphone-Azodyestuffs. Mar. 14, 1933.

Pat. 1,902,083. Condensation Products of the Anthraquinone Series. Mar. 21, 1933.

Pat. 1,902,084. Acid Dyestuffs of the Anthraquinone Series. Mar. 21, 1933.

Pat. 1,902,450. Reserving of Animal Fibers. Mar. 21, 1933.

Pat. 1,902,867. Allo-MS-Naphthodianthrones. Mar. 28, 1933.

Pat. 1,902,883. Production of Vat Dyestuffs of the Dibenzanthrone Series. Mar. 28, 1933.

Pat. 1,902,929. Condensation Product of Isatin-α-Anilide and Substituted Anthrones and Process of Producing Same. Mar. 28, 1933.

Pat. 1,903,175. Dyeing Animal Fibers. Mar. 28, 1933.

Pat. 1,903,181. Process of Making Nitrogenous Vat Dyestuffs of the Acridine Series. Mar. 28, 1933.

Pat. 1,903,599. Monoazodyestuffs. Apr. 11, 1933.

Pat. 1,903,600. Azo Dyestuffs. Apr. 11, 1933.

Pat. 1,903,857. Vat Dyestuffs of the Anthrapyridone and the Anthrapyrimidone Series. Apr. 18, 1933.

Pat. 1,903,871. Process for Dyeing and Printing Textile Fibers. Apr. 18, 1933.

Pat. 1,903,880. Esters of 2.3-Amino-Naphthoic Acid and a Process of Preparing Them. Apr. 18, 1933.

Pat. 1,903,891. Halogenated Anthraquinoneacridones and the Process of Making Same. Apr. 18, 1933.

Pat. 1,903,899. Carboxylic Acid Arylides of the Benzene Series and Process of Making Same. Apr. 18, 1933.

Pat. 1,904,145. Halogenation of Aromatic Compounds. Apr. 18, 1933.

Pat. 1,905,285. Process of Brominating Anthanthrone. Apr. 25, 1933.

Pat. 1,905,286. Process for Chlorinating Anthanthrone. Apr. 25, 1933.

Pat. 1,905,287. Process for Manufacturing Nuclear Halogenated Derivatives of Arylaminothiazole Compounds. Apr. 25, 1933.

Pat. 1,905,294. Azo Dyestuffs and Process of Making Same. Apr. 25, 1933.

Pat. 1,906,221. Hydroxy-Diphenylindoles. May 2, 1933.

Pat. 1,906,226. Azo Dyestuffs Insoluble in Water. May 2, 1933.

Pat. 1,906,229. New Condensation Products and Process of Making Same. May 2, 1933.

Pat. 1,906,230. Aminoderivatives of Hexahydrodiphenyl and Process of Making Same. May 2, 1933.

Pat. 1,906,231. Vat Dyestuffs of the Pyranthrone Series. May 2, 1933.

Pat. 1,906,232. Halogen Substitution Products of 2-Hydroxynaphthalene-3-Carboxylic Acid and Process of Preparing Them. May 2, 1933.

Pat. 1,906,894. 6-Arylamino-2-Hydroxy-Naphthalenes and Process of Making Same. May 2, 1933.

Pat. 1,907,156. Colored Rubber Composition. May 2, 1933.

Pat. 1,907,281. New Valuable Indigoid Vat Dyestuffs. May 2, 1933.

Pat. 1,907,879. Production of Color Lakes. May 9, 1933.

Pat. 1,908,369. Derivatives of Dibenzanthrones. May 9, 1933.

Pat. 1,908,904. New Vat Dyestuffs of the Dibenzanthrone Series. May 16, 1933.

Pat. 1,908,993. Process for Dyeing Cellulose Acetate Silk. May 16, 1933.

Pat. 1,909,221. Printing Colors and Process of Preparing Them. May 16, 1933.

Pat. 1,909,684. Vat Dyestuffs of the Azole Series and Process of Making Them. May 16, 1933.

Pat. 1,909,688. Manufacture of 1.2.5.6-Dibenzophenazine and Its Derivatives. May 16, 1933.

Pat. 1,909,690. Vat Dyestuffs. May 16, 1933.

Pat. 1,909,691. Vat Dyestuffs. May 16, 1933.

Pat. 1,909,692. Production of New Vat Dyestuffs of the Anthraquinone Series. May 16, 1933.

Pat. 1,909,693. Vat Dyestuffs of the Dibenzanthrone Series. May 16, 1933.

Pat. 1,909,694. Vat Dyestuffs of the Dibenzanthrone Series. May 16, 1933.

Pat. 1,909,695. Vat Dyestuffs of the Dibenzanthrone Series. May 16, 1933.

Pat. 1,909,738. Production of Benzanthrone Derivatives. May 16, 1933.

Pat. 1,909,833. Manufacture of Aldehydes. May 16, 1933.

Pat. 1,909,851. Diazo-Sulphonates. May 16, 1933.

Pat. 1,910,010. Chrome Yellow Coloring Matter. May 23, 1933.

Pat. 1,910,462. ω-Halogen-Methyl Derivatives of Aromatic Hydrocarbons and Process of Preparing the Same. May 23, 1933.

Pat. 1,910,464. Tanning Agent and Process of Making Same. May 23, 1933.

Pat. 1,910,465. Naphthoylene-Aryl-Imidazol-Peri-Dicarboxylic Acid, a Process of Preparing It and Intermediate Product Obtained During This Process. May 23, 1933.

Pat. 1,910,470. Halogen-Naphthalene-Ketones and Process of Preparing Them. May 23, 1933.

Pat. 1,910,475. Process of Manufacturing 1'-Chloro-1-Methylnaphthalene. May 23, 1933.

Pat. 1,910,478. Polymethine Dyestuff. May 23, 1933.

Pat. 1,910,479. Polymethine Dyestuff. May 23, 1933.

Pat. 1,911,689. Triazine Derivatives and the Process of Making Them. May 30, 1933.

Pat. 1,911,699. New Hydroxybenzocarbazoles and a Process of Preparing Them. May 30, 1933.

Pat. 1,911,714. Vat Dyestuffs of the Anthraquinone Series. May 30, 1933.

Pat. 1,911,719. Aromatic Amino Sulphochlorides. May 30, 1933.

Pat. 1,912,296. Tin-Containing Thiophenols. May 30, 1933.

Pat. 1,912,878. Production of Color Lakes. June 6, 1933.

Pat. 1,913,484. New Hydroxy-Thionaphthene Compounds. June 13, 1933.

Pat. 1,913,491. 1-Hydroxy-Anthracene-Carboxylic Acid and a Process of Making It. June 13, 1933.

Pat. 1,913,798. Cyclic Ketones of the Acenaphthene Series and Process of Preparing Them. June 13, 1933.

Pat. 1,914,406. Fire-Preventing and Fire-Extinguishing Agent. June 20, 1933.

Pat. 1,914,427. Orange to Reddish-Orange Water Insoluble Azo Dyestuffs. June 20, 1933.

Pat. 1,914,433. 4-Chloro-1-Aminoanthraquinone-2-Sulphonic Acid and Process of Preparing the Same. June 20, 1933.

Pat. 1,914,441. Azodyestuffs Insoluble in Water and Fiber Dyed Therewith. June 20, 1933.

Pat. 1,914,445. Vat Dyestuffs of the Di-thionaphthenylene-quinone Series and a Process of Preparing Them. June 20, 1933.

Pat. 1,914,450. Dyestuff of the Anthraquinone Series. June 20, 1933.

Pat. 1,915,429. Para-Hydroxy-Diarylamine-Carboxylic Acids and Process of Making Same. June 27, 1933.

Pat. 1,915,430. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. June 27, 1933.

Pat. 1,915,438. Azo Dyestuff. June 27, 1933.

Pat. 1,915,461. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. June 27, 1933.

Pat. 1,915,734. Preparation Useful for the Production of Dyestuffs and Process of Making Same. June 27, 1933.

Pat. 1,916,312. Process for Manufacturing Orange Vat Dyestuffs. July 4, 1933.

Pat. 1,916,314. Isocyanates. July 4, 1933.

Pat. 1,916,621. Azo Dyestuff and Fiber Dyed Therewith. July 4, 1933.

Pat. 1,916,627. Process of Preparing 1.7-Dihydroxynaphthalene. July 4, 1933.

Pat. 1,916,778. Water-Insoluble Azo-Dyestuff and Fiber Dyed Therewith. July 4, 1933.

Pat. 1,917,414. Process of Preparing Diphthaloylnaphthalene Compounds and New Compounds Obtainable Thereby. July 11, 1933.

Pat. 1,917,421. New Anthraquinone Compounds. July 11, 1933.

Pat. 1,917,432. Water-Insoluble Monoazo Dyestuff. July 11, 1933.

Pat. 1,917,441. New Ortho-Aniline-Sulfonic Acid. July 11, 1933.

Pat. 1,917,442. Water-Insoluble Azo Dyestuff and Fiber Dyed Therewith. July 11, 1933.

Pat. 1,917,443. Azodyestuff. July 11, 1933.

Pat. 1,917,475. Process of Preparing Basic Dyestuffs Derived from Indoline Bases. July 11, 1933.

Pat. 1,917,801. 9.10 Diamino Anthracene and Its N-Substitution Products. July 11, 1933.

Pat. 1,918,461. Dyestuff Derived from 1-8-Naphthalic Acid Anhydride. July 18, 1933.

Pat. 1,919,563. Process of Preparing 1-Amino-10-Anthrones and the Products Obtainable Thereby. July 25, 1933.

Pat. 1,919,573. Azodyestuff. July 25, 1933.

Pat. 1,919,580. New 1.4-Dialkoxy-Benzene Compounds. July 25, 1933.

Pat. 1,919,589. Azo Dyestuff Insoluble in Water. July 25, 1933.

Pat. 1,919,590. Blue to Violet-Blue Water-Insoluble Azo-Dyestuffs. July 25, 1933.

Pat. 1,920,166. Vat and Sulphur Dyestuff Preparation. Aug. 1, 1933.

Pat. 1,920,406. Process of Preparing Derivatives of Naphthalene-1.4.5.8-Tetracarboxylic Acid. Aug. 1, 1933.

Pat. 1,920,407. Yellow Azo Dyestuff. Aug. 1, 1933.

Pat. 1,920,426. Vat Dyestuffs of the Pyrazolanthrone Series and Process of Making Them. Aug. 1, 1933.

Pat. 1,920,542. New Dyeing Preparation and Its Conversion to Dyestuffs. Aug. 1, 1933.

Pat. 1,920,585. Condensation Product of Alkali Metal Bisulphites with Octadecadiene-9, 11-Acid-1 or Its Amide. Aug. 1, 1933.

Pat. 1,921,334. Triarylmethane Dyestuff. Aug. 8, 1933.

Pat. 1,921,336. Copper-Containing Azodyestuff. Aug. 8, 1933.

Pat. 1,921,337. Copper-Containing Azodyestuff. Aug. 8, 1933.

Pat. 1,921,338. Azodyestuff. Aug. 8, 1933.

Pat. 1,921,360. Mixtures of New Isomeric Dyestuffs and Process of Preparing Them. Aug. 8, 1933.

Pat. 1,921,361. Water Insoluble Azodyestuff and Fiber Dyed Therewith. Aug. 8, 1933.

Pat. 1,921,362. Water Insoluble Azodyestuff. Aug. 8, 1933.

Pat. 1,921,857. Color Lakes. Aug. 8, 1933.

Pat. 1,921,947. Resist Paste. Aug. 8, 1933.

Pat. 1,922,467. Sulphurized Phenol. Aug. 15, 1933.

Pat. 1,922,480. Manufacture of Amino-Hydroxy-Anthraquinones. Aug. 15, 1933.

Pat. 1,922,481. Production of Halogen Derivatives of Dibenzopyrene Quinones. Aug. 15, 1933.

Pat. 1,922,482. Halogendibenzopyrenequinones. Aug. 15, 1933.

Pat. 1,922,978. Process of Producing Vat Dyestuff Prints and Closely Adjacent Thereto Aniline Black Prints on the Same Fabric. Aug. 15, 1933.

Pat. 1,922,903. New Reserving Preparation and Reserve Dyeing Process. Aug. 15, 1933.

Pat. 1,923,202. Water-Insoluble Azo-Dyestuffs and Fiber Dyed Therewith. Aug. 22, 1933.

Pat. 1,923,216. Metal Compound of O-Hydroxyazo Dyestuffs. Aug. 22, 1933.

Pat. 1,923,226. Process for the Purification of Blue Vat Dyestuffs. Aug. 22, 1933.

Pat. 1,923,227. Dyestuffs of the Anthraquinone Series. Aug. 22, 1933.

Pat. 1,923,243. Production of Coloring Preparations and Their Application. Aug. 22, 1933.

Pat. 1,923,248. Process for Making 6-Bromo-2-Hydroxy-Naphthalene-3-Carboxylic Acid. Aug. 22, 1933.

Pat. 1,924,090. Mono-Molecular Condensation Product of 1.4.5.8-Naphthalene-Tetracarboxylic Acid and a Process of Preparing It. Aug. 29, 1933.

Pat. 1,924,434. Water-Insoluble Azo-Dyestuffs. Aug. 29, 1933.

Pat. 1,924,441. Process for Preparing Cyclohexyl-Amines. Aug. 29, 1933.

Pat. 1,924,442. Dyestuff of the Anthraquinone Series. Aug. 29, 1933.

Pat. 1,924,443. Halogenation of Cyclic Compounds. Aug. 29, 1933.

Pat. 1,924,444. Vat Dyestuff and Method for Its Production. Aug. 29, 1933.

Pat. 1,924,445. Halogen Anthraquinone Benzacridone. Aug. 29, 1933.

Pat. 1,924,446. Halogenated Anthraquinone Acridone and the Process of Preparing It. Aug. 29, 1933.

Pat. 1,924,698. Alkylated Acidyl Polyalkylene Polyamines. Aug. 29, 1933.

Pat. 1,925,191. Oxidation Products of Sulphur Containing Derivatives of High Paraffin Hydrocarbons and Process of Making Same. Sept. 5, 1933.

Pat. 1,925,208. Spirit Varnishes. Sept. 5, 1933.

Pat. 1,925,217. Thionaphthene-Indole Condensation Vat Dyestuffs. Sept. 5, 1933.

Pat. 1,925,434. Azo Dyestuffs Containing Chromium. Sept. 5, 1933.

Pat. 1,925,526. Coloring Paper and the Like. Sept. 5, 1933.

Pat. 1,926,050. Vat Dyestuffs of the Dibenzanthrone Series. Sept. 12, 1933.

Pat. 1,926,155. Iodo Derivatives of Aromatic Compounds. Sept. 12, 1933.

Pat. 1,926,555. Vat Dyestuffs of the Dibenzanthrone Series. Sept. 12, 1933.

Pat. 1,926,556. Dyeing Wool. Sept. 12, 1933.

Pat. 1,927,103. Azodyestuff. Sept. 19, 1933.

Pat. 1,927,114. Halogenation Product of Acenaphthindandion-Diketimides and a Process of Preparing It. Sept. 19, 1933.

Pat. 1,927,115. Water-Insoluble Mono-Azodyestuff and Fiber Dyed Therewith. Sept. 19, 1933.

Pat. 1,927,121. Water-Insoluble Azo Dyestuffs and Fiber Dyed Therewith. Sept. 19, 1933.

Pat. 1,927,125. Acid Wool-Dyestuff of the Anthraquinone Series and Process of Making Same. Sept. 19, 1933.

Pat. 1,927,127. Halogen Derivatives of the Anthraquinone-Acridone Series and Process of Making Them. Sept. 19, 1933.

Pat. 1,927,129. Hydrogenation of Homologues of Aniline. Sept. 19, 1933.

Pat. 1,927,130. Catalytic Hydrogenation of Monoamines of the Benzene Series. Sept. 19, 1933.

Pat. 1,927,928. Separation of Vat Dyestuff Isomers of the Naphthoylene Diarylimidazole Series and the Product Obtainable Thereby. Sept. 26, 1933.

Pat. 1,927,936. Derivatives of 3-Nitro-4-Hydroxy-Benzamide. Sept. 26, 1933.

Pat. 1,927,965. Vat Dyestuffs of the Anthraquinone Series. Sept. 26, 1933.

Pat. 1,928,719. Vat Dyestuffs of the 1.4.5.8-Naphthoylene-Diaryl-Imidazol Series and a Process of Preparing Them. Oct. 3, 1933.

Pat. 1,928,725. Wool Dyestuffs of the Anthraquinone Series and Process of Making Same. Oct. 3, 1933.

Pat. 1,928,733. Process for Manufacturing Orthoaryl-carboxyamidothioglycollic Acids. Oct. 3, 1933.

Pat. 1,928,996. Sizing Agent for Cellulose Acetate Silk. Oct. 3, 1933.

Pat. 1,929,328. Water-Insoluble Azo-Dyestuffs and Fiber Dyed Therewith. Oct. 3, 1933.

Pat. 1,929,847. Production of Condensation Products of 1.5-Dihalogen Anthraquinones. Oct. 10, 1933.

Pat. 1,929,853. Azo Dyestuff. Oct. 10, 1933.

Pat. 1,929,863. Process of Preparing Ortho-Amino-Carboxylic Acid Esters of the Anthraquinone Series. Oct. 10, 1933.

Pat. 1,930,351. Process of Preparing 1.4-Diaminoanthraquinone. Oct. 10, 1933.

Pat. 1,930,352. Process of Preparing 1.4-Aminohydroxyanthraquinone. Oct. 10, 1933.

Pat. 1,930,858. Manufacture of Tertiary Alkylolarylamines. Oct. 17, 1933.

Pat. 1,930,876. Nitrogen Containing Compounds and Process of Preparing Them. Oct. 17, 1933.

Pat. 1,931,192. Nitrogen Containing Cyclic Ketone and a Process of Preparing It. Oct. 17, 1933.

Pat. 1,931,196. Vat Dyestuffs. Oct. 17, 1933.

Pat. 1,931,821. Dyestuff of the Anthanthrone Series. Oct. 24, 1933.

Pat. 1,931,826. Compound of the Carbazole-3.6-Disulphonic Acids Series. Oct. 24, 1933.

Pat. 1,931,836. Water Soluble Azodyestuffs. Oct. 24, 1933.

Pat. 1,931,962. Sulphuric Acid Esters of Alcohols and Derivatives Thereof. Oct. 24, 1933.

Pat. 1,932,152. Hydrazine Sulphonates of the Diarylamine Series. Oct. 24, 1933.

Pat. 1,932,577. Water-Insoluble Disazo-Dyestuffs. Oct. 31, 1933.

Pat. 1,932,591. Compounds of the Dibenzpyrenequinone Series. Oct. 31, 1933.

Pat. 1,932,594. Condensation Products of the Anthraquinone Series. Oct. 31, 1933.

Pat. 1,932,901. Process for Dyeing Furs, Hairs, or Feathers. Oct. 31, 1933.

Pat. 1,933,068. Dyeing Fibrous Material. Oct. 31, 1933.

Pat. 1,933,431. Water-Insoluble Azo-Dyestuff and Fiber Dyed Therewith. Oct. 31, 1933.

Pat. 1,933,985. Sulfamic Acids of Secondary Bases, Processes of Preparing the Same, and Pure Secondary Bases Derived Therefrom. Nov. 7, 1933.

Pat. 1,933,987. Process for Making 1.6-Dibromo-2-Hydroxy-Naphthalene-3-Carboxylic Acid. Nov. 7, 1933.

Pat. 1,934,009. Azodyestuff. Nov. 7, 1933.

Pat. 1,934,771. Vat Dyestuffs of the Anthraquinone Series and a Process of Preparing Them. Nov. 14, 1933.

Pat. 1,934,773. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Nov. 14, 1933.

Pat. 1,934,807. Water-Insoluble Azo-Dyestuffs and Fiber Dyed Therewith. Nov. 14, 1933.

Pat. 1,935,217. Washing and Cleansing Textile Fibers. Nov. 14, 1933.

Pat. 1,935,712. Ketone Hydrazones, and Process of Making the Same. Nov. 21, 1933.

Pat. 1,935,720. Halogenated 4.5.8.9-Dibenzpyrene-3.10-Quinones and Process of Preparing Them. Nov. 21, 1933.

Pat. 1,935,721. Manufacture of Nitrogenous Compounds Derived from Perylenequinone. Nov. 21, 1933.

Pat. 1,935,724. Production of Vat Dyestuffs of the Anthraquinone Acridine Series and the Products Thereof. Nov. 21, 1933.

Pat. 1,935,928. Alpha-Hydroxyanthrone Derivatives and Process of Preparing Them. Nov. 21, 1933.

Pat. 1,935,929. Acid Dyestuff of the Anthraquinone Series. Nov. 21, 1933.

Pat. 1,935,930. Derivatives of 2.3-Hydroxynaphthoic Acid Arylides. Nov. 21, 1933.

Pat. 1,935,945. Vat Dyestuffs and Process of Preparing Them. Nov. 21, 1933.

Pat. 1,935,949. Oxidation of Aromatic Compounds. Nov. 21, 1933.

Pat. 1,936,716. Nitrogenous Vat Dyestuffs. Nov. 28, 1933.

Pat. 1,936,721. Manufacture of Ortho-Nitrophenyl-Sulphones. Nov. 28, 1933.

Pat. 1,936,722. Arylamino-2-Hydroxy-Naphthalene-3-Carboxylic Acids. Nov. 28, 1933.

Pat. 1,936,926. Hydroxycarboxylic Acid Arylides. Nov. 28, 1933.

Pat. 1,936,944. Acid Dyestuffs of the Anthraquinone Series and a Process of Preparing the Same. Nov. 28, 1933.

Pat. 1,936,948. Condensation Products of the Anthraquinone Series. Nov. 28, 1933.

Pat. 1,936,949. Vat Dyestuffs of the Anthraquinone Series. Nov. 28, 1933.

Pat. 1,936,979. Azo Dyestuffs. Nov. 28, 1933.

Pat. 1,937,154. Halogenated Pyridinoanthraquinones. Nov. 28, 1933.

Pat. 1,937,181. Water-Insoluble Azo-Dyestuffs and Fiber Dyed Therewith. Nov. 28, 1933.

Pat. 1,938,012. Azo Dyestuffs. Dec. 5, 1933.

Pat. 1,938,014. Green Dyestuffs of the Diphenyl-Naphthylmethane Series. Dec. 5, 1933.

Pat. 1,938,029. Manufacture of Aminoanthraquinone-Nitriles. Dec. 5, 1933.

Pat. 1,938,031. Meta-Hydroxyl-Phenyl-Arylamino Carboxylic Acids. Dec. 5, 1933.

Pat. 1,938,043. Condensation Products of the Anthraquinone Series and Process of Making Same. Dec. 5, 1933.

Pat. 1,938,053. Hydroxy-Thionaphthene Compound. Dec. 5, 1933.

Pat. 1,938,054. Indigoid Dyestuff. Dec. 5, 1933.

Pat. 1,938,055. Isatine Compounds. Dec. 5, 1933.

Pat. 1,938,059. Derivatives of the Benzanthronepyrazolanthrone Series and a Process of Preparing Them. Dec. 5, 1933.

Pat. 1,938,993. Vat Dyestuffs of the Anthraquinone Series. Dec. 12, 1933.

Pat. 1,939,005. Production of Aldehydes. Dec. 12, 1933.

Pat. 1,939,008. Fast Blue Sulphur Dyestuffs. Dec. 12, 1933.

Pat. 1,939,011. Derivative of the Acridone Series. Dec. 12, 1933.

Pat. 1,939,416. Ortho-Aminoaryl-Alkylsulfones and Ortho-Aminoaryl-Aralkylsulfones. Dec. 12, 1933.

Pat. 1,940,053. Yellow and Orange Colored Vulcanizate. Dec. 19, 1933.

Pat. 1,940,059. Waterinsoluble Azodyestuff. Dec. 19, 1933.

Pat. 1,940,066. Copper Containing Azodyestuff. Dec. 19, 1933.

Pat. 1,940,068. Azo Dyestuff Insoluble in Water. Dec. 19, 1933.

Pat. 1,940,662. Waterinsoluble Disazodyestuffs. Dec. 26, 1933.

Pat. 1,940,757. Process for Dyeing Furs, Hairs and Feathers. Dec. 26, 1933.

Pat. 1,941,035. Azodyestuffs Insoluble in Water and Process of Making Same. Dec. 26, 1933.

Pat. 1,941,057. Azo Dyestuffs and Fiber Dyed Therewith. Dec. 26, 1933.

Pat. 1,941,058. Spirit Varnish. Dec. 26, 1933.

Pat. 1,941,063. Dyestuff of the Anthraquinone Series. Dec. 26, 1933.

Pat. 1,942,108. Hydroxy-Benzo-Quinoline-Carboxylic Acids. Jan. 2, 1934.

Pat. 1,942,761. Halogen Derivatives of Isodibenzopyrenequinones. Jan. 9, 1934.

Pat. 1,942,865. Azodyestuff Containing a Nitrosogroup. Jan. 9, 1934.

Pat. 1,943,710. Compound of the Benzanthronepyrazolanthrone Series and a Process of Preparing It. Jan. 16, 1934.

Pat. 1,943,727. Azo-Dyestuff. Jan. 16, 1934.

Pat. 1,943,872. Arylamino-1-Hydroxy-Naphthalene-2-Carboxylic Acids. Jan. 16, 1934.

Pat. 1,943,876. Production of Anthraquinone Derivatives. Jan. 16, 1934.

Pat. 1,944,514. Acylated Cyclohexyl-Phenyl-Amines and Process of Preparing Them. Jan. 23, 1934.

Pat. 1,944,539. Azo Dyestuffs and Fiber Dyed Therewith. Jan. 23, 1934.

Pat. 1,944,986. Vat Dyestuffs of the Anthraquinone-Acridone Series and a Process of Preparing Them. Jan. 20, 1934.

Pat. 1,945,221. Printing of Textile Fibers. Jan. 30, 1934.

Pat. 1,945,484. Dyestuff Preparations. Jan. 30, 1934.

Pat. 1,945,923. 4.5-Dimethyl-7-Chloro-Oxythionaphthene and Its Indigoid Derivatives. Feb. 6, 1934.

Pat. 1,946,430. Process for Preparing Water-Soluble Condensation Products. Feb. 6, 1934.

Pat. 1,946,829. Benzanthrone-1-Aldehyde and Process of Making Same. Feb. 13, 1934.

Pat. 1,947,650. Derivatives of Higher Fatty Acids Containing Nitrogen and Process of Making Same. Feb. 20, 1934.

Pat. 1,947,819. Alkoxy-2-Hydroxynaphthalene-3-Carboxylic Acids. Feb. 20, 1934.

Pat. 1,947,837. New Aniline-Sulphonic Acids. Feb. 20, 1934.

Pat. 1,947,855. Dyeing Acetate Silk. Feb. 20, 1934.

Pat. 1,947,943. Process of Preparing Condensation Products of the Benzanthrone Series and New Products Obtainable Thereby. Feb. 20, 1934.

Pat. 1,947,945. Azo Dyes. Feb. 20, 1934.

Pat. 1,947,946. Azodyestuffs Insoluble in Water and Process of Making Same. Feb. 20, 1934.

Pat. 1,947,951. Acidyl Polyalkylene Polyamines. Feb. 20, 1934.

Pat. 1,948,178. Vat Dyestuffs of the Dipyrazol-Anthronyl Series. Feb. 20, 1934.

Pat. 1,948,183. Production of Anthraquinone Derivatives. Feb. 20, 1934.

Pat. 1,948,923. Substituted Benzo-Carbazole-Carboxylic Acid and Process of Preparing It. Feb. 27, 1934.

Pat. 1,948,924. Nitrogen Containing Conversion Products of Higher Aliphatic Hydrocarbon and Process of Preparing the Same. Feb. 27, 1934.

Pat. 1,948,926. Condensation Product of the Pyrenquinone Series and Process of Preparing It. Feb. 27, 1934.

Pat. 1,949,202. Process of Preparing 1.4.5.8-Naphthalene-Tetra-Carboxylic Acid and Substitution Products Thereof. Feb. 27, 1934.

Pat. 1,949,209. Bromination Products of the Dibenzanthrone Series. Feb. 27, 1934.

Pat. 1,949,228. Azo Dyestuff. Feb. 27, 1934.

Pat. 1,949,837. Sulphoderivatives of Higher Fatty Acids. Mar. 6, 1934.

Pat. 1,949,838. Oxidation Product of Sulphur-Containing Derivatives of Higher Fatty Acids and Process of Making Same. Mar. 6, 1934.

Pat. 1,950,421. Dyestuffs Derived from Cyano Acetic Acid. Mar. 13, 1934.

Pat. 1,950,850. New Derivatives of Higher Aliphatic Hydrocarbons Containing Sulphur and Process of Making Same. Mar. 13, 1934.

Pat. 1,951,298. Azo Dyestuff and Color Lakes Made Therefrom. Mar. 13, 1934.

Pat. 1,951,571. Process of Preparing Dyeings and Printings. Mar. 20, 1934.

Pat. 1,951,686. New Process of Preparing Arylacetic Acids and New Products Obtainable Thereby. Mar. 20, 1934.

Pat. 1,951,815. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Mar. 20, 1934.

Pat. 1,951,830. Chromium Compound of Azo Dyestuffs. Mar. 20, 1934.

Pat. 1,951,832. Alkyl-2-Hydroxynaphthalene-3-Carboxylic Acids. Mar. 20, 1934.

Pat. 1,952,029. Process for Manufacturing Sulphur Dyestuffs. Mar. 20, 1934.

Pat. 1,952,661. Process of Separating the Mixtures of Isomeric 1.4.5.8-Naphthoylene-Diarylimidazoles and New Dyestuff Obtained Thereby. Mar. 27, 1934.

Pat. 1,952,677. Vat Dyestuffs of the Dibenzopyrenequinone Series. Mar. 27, 1934.

Pat. 1,952,678. Condensation Products of the Anthraquinone Series. Mar. 27, 1934.

Pat. 1,953,415. Chlorinated Dibenzanthrones. Apr. 3, 1934.

Pat. 1,953,438. Process for Coloring Organic Products. Apr. 3, 1934.

Pat. 1,953,512. Disazo Dyestuffs. Apr. 3, 1934.

Pat. 1,955,135. Halogen-Benzanthrone and Process of Making Same. Apr. 17, 1934.

Pat. 1,955,887. Process of Preparing M-Acylaminosulphochlorides of the Benzene Series. Apr. 24, 1934.

Pat. 1,955,998. Hydrogenation Product from 2.2'-Dihydroxy- and 2.2'-Di-O-Acyl-1.1'-Dinaphthyl. Apr. 24, 1934.

Pat. 1,956,030. Production of Coloring Matters Containing Nitrogen. Apr. 24, 1934.

Pat. 1,956,921. Color Lakes and Process of Preparing the Same. May 1, 1934.

Pat. 1,957,084. Anthraquinone Derivative. May 1, 1934.

Pat. 1,957,572. Water-Insoluble Azo Dyestuffs and Fiber Dyed Therewith. May 8, 1934.

Pat. 1,957,580. Process of Preparing Azo Dyestuffs Containing Copper. May 8, 1934.

Pat. 1,957,593. Manufacture of Phthaloylphenanthridones. May 8, 1934.

Pat. 1,957,599. Dyestuff of the Anthraquinone Series and Process of Making Same. May 8, 1934.

Pat. 1,957,858. Anthraquinone Dyestuffs. May 8, 1934.

Pat. 1,957,892. Vat Dyestuffs of the Dibenzopyrenequinone Series. May 8, 1934.

Pat. 1,958,758. Azo Dyestuffs. May 15, 1934.

Pat. 1,959,455. Diaminotriarylmethane Dyes. May 22, 1934.

Pat. 1,959,461. Symmetrically Substituted Azobenzene Compounds. May 22, 1934.

Pat. 1,959,474. Indigoid Dyestuffs. May 22, 1934.

Pat. 1,959,478. Derivative of Higher Fatty Acids and Process of Making Same. May 22, 1934.

Pat. 1,959,679. Vat Dyestuffs of the Dibenzopyrenequinone Series. May 22, 1934.

Pat. 1,959,733. Disazo Dyestuffs. May 22, 1934.

Pat. 1,959,995. Dyeing Preparations and Their Conversion into Dyestuffs. May 22, 1934.

Pat. 1,960,351. Manufacture of Dyes of the Azine Series. May 29, 1934.

Pat. 1,960,375. Anthracene Derivative. May 29, 1934.

Pat. 1,960,540. Halogenated Dibenzanthrones. May 29, 1934.

Pat. 1,960,564. Compound of the Anthraquinone Series. May 29, 1934.

Pat. 1,960,644. 2-Methylaminobenzene-1-Carboxylic Acid-4-Sulphonic Acid. May 29, 1934.

Pat. 1,961,519. Water-Insoluble Mono-Azo-Dyestuffs and Fiber Dyed Therewith. June 5, 1934.

Pat. 1,961,628. New Indigoid Vat Dyestuffs. June 5, 1934.

Pat. 1,962,083. Intermediates and Dyestuffs of the Anthraquinone Series. June 5, 1934.

Pat. 1,962,084. Intermediates and Dyestuffs of the Anthraquinone Series. June 5, 1934.

Pat. 1,962,511. Coloring Rubber. June 12, 1934.

Pat. 1,963,967. Vat Dyestuff Preparations. June 26, 1934.

Pat. 1,964,309. Sulphur Dyestuff Preparation. June 26, 1934.

Pat. 1,964,376. Manufacture of Benzanthrene. June 26, 1934.

Pat. 1,964,971. Alkyl Ethers of Amino-Beta-Hydroxyanthraquinones. July 3, 1934.

Pat. 1,964,979. Colored Rubber Product. July 3, 1934.

Pat. 1,964,980. Colored Rubber Product. July 3, 1934.

Pat. 1,965,537. Mixture of Vat Dyestuffs. July 3, 1934.

Pat. 1,966,125. Production of Amino-Acylamino-Anthraquinones. July 10, 1934.

Pat. 1,966,126. Halogen-Benzophenone-Dicarboxylic Acids and Halogen-Anthraquinone Carboxylic Acids and a Process of Preparing Them. July 10, 1934.

Pat. 1,966,635. Manufacture of Monoalkyl Ethers of Aromatic Polyhydroxy Compounds. July 17, 1934.

Pat. 1,967,345. Azo Coloring Material. July 24, 1934.

Pat. 1,967,360. Lakes from Basic Dyestuffs. July 24, 1934.

Pat. 1,967,363. Production of Nitrogenous Vat Dyestuffs. July 24, 1934.

Pat. 1,967,364. Halogenanthraquinone-Benzacridones. July 24, 1934.

Pat. 1,967,370. Water Insoluble Azodyestuff Derived from 2.3-Hydroxynaphthoic Acid Arylides. July 24, 1934.

Pat. 1,967,373. Azo Dyestuff. July 24, 1934.

Pat. 1,968,151. New Hydroxylated Derivatives of Paraffins. July 31, 1934.

Pat. 1,968,178. Acid Wool Dyestuff of the Anthraquinone Series and Process of Making Same. July 31, 1934.

Pat. 1,968,923. Dyeing Preparation and Its Conversion to Dyestuffs. Aug. 7, 1934.

Pat. 1,968,926. Vat and Sulphur Dyestuff Preparation. Aug. 7, 1934.

Pat. 1,968,964. Normal Ferrous Salt of 2-Nitronaphthalene-4.8-Disulphonic Acid. Aug. 7, 1934.

Pat. 1,969,098. Metal-Containing Nondyeing Thio-Derivative from Phenols and Process of Preparing the Same. Aug. 7, 1934.

Pat. 1,969,463. Azo Dyestuff. Aug. 7, 1934.

Pat. 1,969,464. Dyeing and Printing of Acetate Silk. Aug. 7, 1934.

Pat. 1,969,850. Condensation Product from Hydroaromatic Ring Ketones. Aug. 14, 1934.

Pat. 1,970,070. Dyeing Preparation and Its Conversion to Dyestuffs. Aug. 14, 1934.

Pat. 1,970,643. Anthraquinone-1-Aldehydes and Process of Making Same. Aug. 21, 1934.

Pat. 1,970,644. Printing Textile Fibers. Aug. 21, 1934.

Pat. 1,970,651. Process of Preparing 1.4.5.8-Naphthalene-Tetra-Carboxylic Acid and Derivative Thereof. Aug. 21, 1934.

Pat. 1,970,661. Azodyestuff and Process of Making Same. Aug. 21, 1934.

Pat. 1,970,662. Azo Dyestuff Insoluble in Water and Fiber Dyed Therewith Aug. 21, 1934.

Pat. 1,970,669. Anthraquinone Dyestuff. Aug. 21, 1934.

Pat. 1,971,409. Aroylene-Bis-Acetic Acid-Arylides. Aug. 28, 1934.

Pat. 1,971,415. Sulphonation Product of Nitrogen Containing Conversion Products of Higher Aliphatic Hydrocarbons. Aug. 28, 1934.

Pat. 1,972,177. Dyestuff of the Thioindigo Series. Sept. 4, 1934.

Pat. 1,972,219. Aromatic Cyano-Acetyl Compound and Process of Preparing It. Sept. 4, 1934.

Pat. 1,973,001. Amino-Anthraquinone Sulpho-Chlorides and a Process of Preparing Them. Sept. 11, 1934.

Pat. 1,973,003. Dehalogenation of Cyclic Halogen Compounds. Sept. 11, 1934.

Pat. 1,973,012. Substitution Products of the Carbazole Sulphonic Acids. Sept. 11, 1934.

Pat. 1,973,013. Waterinsoluble Azodyestuffs. Sept. 11, 1934.

Pat. 1,973,625. Acid Wool Dyestuff of the Anthraquinone Series. Sept. 11, 1934.

Pat. 1,973,787. Vat Dyestuffs of the Benzanthrone Acridine Series and the Process of Making Them. Sept. 18, 1934.

Pat. 1,974,510. Production of Color Lakes. Sept. 25, 1934.

Pat. 1,974,518. Alkoxy-Amino- and Alkoxy-Nitro-Carbazoles. Sept. 25, 1934.

Pat. 1,975,383. 2-(3'-Hydroxynaphthyl-2')-4-Hydroxy-6.7-Benzo-Pseudoaziminobenzenes. Oct. 2, 1934.

Pat. 1,975,386. Process of Preparing 1.4-Diaminoanthraquinone-2.3-Disulphonic Acid. Oct. 2, 1934.

Pat. 1,975,402. Azodyestuffs. Oct. 2, 1934.

Pat. 1,975,409. Solid Stable Diazoazo Salts and Process of Preparing Them. Oct. 2, 1934.

Pat. 1,975,411. Azodyestuff. Oct. 2, 1934.

Pat. 1,976,145. 2-Hydroxyanthracene-3-Carboxylic Acid and a Process of Preparing It. Oct. 9, 1934.

Pat. 1,976,185. Water-Insoluble Azo-Dyestuffs and Fiber Dyed Therewith. Oct. 9, 1934.

Pat. 1,976,186. Azo Coloring Materials. Oct. 9, 1934.

Pat. 1,976,187. Water-Insoluble Azo Dyestuff. Oct. 9, 1934.

Pat. 1,977,768. Process for Manufacturing Perylene. Oct. 23, 1934.

Pat. 1,977,936. Water-Insoluble Disazo-Dyestuffs. Oct. 23, 1934.

Pat. 1,978,062. Condensation Product of the Anthracene Series and Process of Making Same. Oct. 23, 1934.

Pat. 1,978,540. Mono and Dipyridino Quinone Compounds and Their Production. Oct. 30, 1934.

Pat. 1,978,755. Manufacturing Readily Soluble Basic Dyes. Oct. 30, 1934.

Pat. 1,978,763. Water-Insoluble Azo Dyes. Oct. 30, 1934.

Pat. 1,978,777. Sulphone-Morpholine Compounds of the Amino-Anthraquinone Series. Oct. 30, 1934.

Pat. 1,978,880. Production of Complex Metal Compounds of Ortho-Hydroxyazo Dyestuffs. Oct. 30, 1934.

Pat. 1,979,055. Water-Insoluble Azodyestuffs and Fiber Dyed Therewith. Oct. 30, 1934.

Pat. 1,979,061. Acid Ortho-Hydroxy Azo Dyestuffs Capable of Being Chromed. Oct. 30, 1934.

Pat. 1,979,600. Water-Insoluble Azodyestuffs. Nov. 6, 1934.

Pat. 1,979,628. Mono Alkyl Ethers of 1.4-Dihydroxy Anthracene. Nov. 6, 1934.

Pat. 1,979,667. Dyestuffs of the Diazine Series. Nov. 6, 1934.

Pat. 1,980,025. Anthraquinone Dyestuffs and Process of Obtaining Same. Nov. 6, 1934.

Pat. 1,980,162. Pure 1-Amino-2.3-Dimethylanthraquinone and Process of Making Same. Nov. 13, 1934.

Pat. 1,980,515. Acid Wool Azo Dyestuffs. Nov. 13, 1934.

Pat. 1,980,536. Manufacture of Di-(Hydroxyethyl)-Aminonitrobenzenes. Nov. 13, 1934.

Pat. 1,980,537. Manufacture of 2-Nitrodiphenyl. Nov. 13, 1934.

Pat. 1,980,538. β.γ-Hydroxypropyloxyalkylamino Benzenes and the γ-Alkylesters Thereof. Nov. 13, 1934.

Pat. 1,980,539. Azo Dye. Nov. 13, 1934.

Pat. 1,980,549. C-Substituted Pyrimidines of the Anthraquinone Series. Nov. 13, 1934.

Pat. 1,981,108. Composition for Softening Textile Goods. Nov. 20, 1934.

Pat. 1,981,242. Dyestuff Mixture. Nov. 20, 1934.

Pat. 1,981,295. Anthraquinone Derivative. Nov. 20, 1934.

Pat. 1,981,301. Compounds of the Carbazole Series. Nov. 20, 1934.

Pat. 1,982,149. Aluminum Lakes of Sulphonated Compounds of the Anthraquinone Series. Nov. 27, 1934.

Pat. 1,982,159. Azo-Dyestuffs of the Stilbene Series and Process of Making Same. Nov. 27, 1934.

Pat. 1,982,163. Sulphamino-Phenyl-Methyl-Pyrazolones. Nov. 27, 1934.

Pat. 1,982,311. Production of Valuable Compounds of the Anthracene Series. Nov. 27, 1934.

Pat. 1,982,312. Halogenated Dibenzanthrone. Nov. 27, 1934.

Pat. 1,982,313. Halogenated Dibenzanthrone. Nov. 27, 1934.

Pat. 1,982,332. Azodyestuffs. Nov. 27, 1934.

Pat. 1,982,977. Azo Dyestuffs Containing a Pyrene Nucleus. Dec. 4, 1934.

Pat. 1,983,888. New Indigoid Vat Dyestuffs. Dec. 11, 1934.

Pat. 1,984,715. Dyestuffs of the Anthraquinone Series. Dec. 18, 1934.

Pat. 1,984,722. Azo Dyestuff Containing a Chrysene Nucleus. Dec. 18, 1934.

Pat. 1,984,941. Dyestuffs of the Benzanthraquinone Acridine Series and Method of Making Them. Dec. 18, 1934.

Pat. 1,985,556. New Intermediate Product for Azodyestuffs. Dec. 25, 1934.

Pat. 1,985,747. Ether-Like Constituted Compound Having Wetting, Dispersing, Emulsifying and Washing Properties. Dec. 25, 1934.

Pat. 1,987,266. 2-Alkylaminobenzene-1-Carboxylic Acid-4-Sulphonic Acids. Jan. 8, 1935.

Pat. 1,987,583. Sulphur Dyestuff Preparation. Jan. 8, 1935.

Pat. 1,987,747. Dyestuffs of the Anthraquinone Series. Jan. 15, 1935.

Pat. 1,988,205. Vat Dyestuffs of the Dibenzopyrenequinone Series. Jan. 15, 1935.

Pat. 1,989,042. Nitrogenous Polymerization Product. Jan. 22, 1935.

Pat. 1,989,472. Azo Dyestuff. Jan. 29, 1935.

Pat. 1,989,493. Vat Dyestuff of the 1.2-Benzanthraquinone Series. Jan. 29, 1935.

Pat. 1,989,784. Vat and Sulphur Dyestuff Preparations for Textile Printing. Feb. 5, 1935.

Pat. 1,990,018. Hydroxy Fluoranthenes. Feb. 5, 1935.

Pat. 1,990,841. Condensation Product and Process of Making Same. Feb. 12, 1935.

Pat. 1,990,842. Condensation Product of the Anthraquinone Series and Process of Making Same. Feb. 12, 1935.

Pat. 1,990,852. Process of Producing Prints or Discharges on Wool and Other Animal Fibers. Feb. 12, 1935.

Pat. 1,990,854. Vat and Sulphur Dyestuff Preparation. Feb. 12, 1935.

Pat. 1,990,864. Process and Agent for Delustering Textile Materials. Feb. 12, 1935.

Pat. 1,991,808. Complex Metal Compounds of Azo Dyestuffs. Feb. 19, 1935.

Pat. 1,992,461. Waterinsoluble Azodyestuffs. Feb. 26, 1935.

Pat. 1,992,489. Process for Producing Nitrogenous Products of the Aliphatic Series. Feb. 26, 1935.

Pat. 1,992,917. Water-Insoluble Azo-Dyestuff. Feb. 26, 1935.

Pat. 1,994,025. Production of Vat Dyestuffs of the Benzanthrone Series. Mar. 12, 1935.

Pat. 1,994,033. Vat Dyestuff of the Anthraquinone Acridone Series. Mar. 12, 1935.

Pat. 1,994,136. Dyestuffs of the Dibenzanthrone Series. Mar. 12, 1935.

Pat. 1,994,602. Process of Preparing Vat Dyestuffs of the Anthraquinone Triazine Series. Mar. 19, 1935.

Pat. 1,994,622. Process of Preparing High Molecular Anthraquinone Derivatives. Mar. 19, 1935.

Pat. 1,994,709. Dyestuff Salt Containing Heavy Metals in Complex Combination in the Acid Component. Mar. 19, 1935.

Pat. 1,995,553. Process of Preparing Azodyestuffs. Mar. 26, 1935.

Pat. 1,995,564. Watersoluble Azodyestuffs. Mar. 26, 1935.

Pat. 1,995,902. Disazo Dyestuffs and Their Production. Mar. 26, 1935.

Pat. 1,995,928. Azo Dyestuff and Its Production. Mar. 26, 1935.

Pat. 1,995,929. Chloro- and Bromo-Derivatives of 2-Aminonaphthalene-1-Sulphonic Acid and Process of Preparing Them. Mar. 26, 1935.

Pat. 1,995,932. Water-Insoluble Mono-Azo-Dyestuffs and Fiber Dyed Therewith. Mar. 26, 1935.

Pat. 1,995,933. Water-Insoluble Mono-Azo-Dyestuffs and Fiber Dyed Therewith. Mar. 26, 1935.

Pat. 1,996,867. Dyestuffs of Thiazine Series. Apr. 9, 1935.

Pat. 1,997,160. Halogenated Dyestuffs of the Indigo Series. Apr. 9, 1935.

Pat. 1,997,226. Chlorination of Aromatic Compounds. Apr. 9, 1935.

Pat. 1,997,744. Hydroxydiphenylene Compound. Apr. 16, 1935.

Pat. 1,998,546. Acid Dyestuff of the Anthraquinone Series and Process of Preparing It. Apr. 23, 1935.

Pat. 1,998,563. Sulphonic Acid of the Benzene Series. Apr. 23, 1935.

Pat. 1,999,341. Hydroxycarbazole Compounds. Apr. 30, 1935.

Pat. 1,999,610. Water-Insoluble Azo-Dyestuffs and Fiber Dyed Therewith. Apr. 30, 1935.

Pat. 1,999,611. Anthraquinono-2'.1'.1.2.-Anthraquinones and a Process of Preparing Them. Apr. 30, 1935.

Pat. 1,999,614. New Process of Preparing Aminoalkylsulphonic Acids. Apr. 30, 1935.

Pat. 2,000,313. Water-Insoluble Azo Dyestuffs and Fiber Dyed Therewith. May 7, 1935.

Pat. 2,000,348. Vat Dyestuff of the Anthraquinone Series. May 7, 1935.

Pat. 2,001,010. Ortho-Hydroxyazo Dyes. May 14, 1935.

Pat. 2,001,044. Nitrogen Containing Anthraquinone Derivatives. May 14, 1935.

Pat. 2,001,221. Production of 1.4-Diamino-2-Aryloxyanthraquinone-3-Sulphonic Acid. May 14, 1935.

Pat. 2,001,975. Dyestuffs of the Naphthophenazine Series. May 21, 1935.

Pat. 2,001,992. Dyeing Animal Fibers. May 21, 1935.

Pat. 2,002,174. Colored Rubber Product and Process of Preparing It. May 21, 1935.

Pat. 2,002,612. N-Substituted Derivative of Sulphoanilines. May 28, 1935.

Pat. 2,002,613. Reaction Product of an Organic Acid Amide and an Alkylene Oxide. May 28, 1935.

Pat. 2,003,407. Dyestuffs of the Triarylmethane Series. June 4, 1935.

Pat. 2,003,421. Indol Compound. June 4, 1935.

Pat. 2,003,444. Process of Producing Amino-Aryl-Thiazole Compounds. June 4, 1935.

Pat. 2,003,596. Producing Azanthracene Derivatives. June 4, 1935.

Pat. 2,003,641. Printing of Textile Fabrics with Vat Dyestuffs. June 4, 1935.

Pat. 2,004,250. Azo Dyestuffs and Process of Making Same. June 11, 1935.

Pat. 2,004,383. Azo Dyestuff and Fiber Dyed Therewith. June 11, 1935.

Pat. 2,004,458. Vat and Sulphur Dyestuff Preparation for Printing Cotton. June 11, 1935.

Pat. 2,005,041. 6-Methoxy-6'-Ethoxythioindigo. June 18, 1935.

Pat. 2,005,317. Product of 2-Acetylamino-3-Chloranthraquinone. June 18, 1935.

Pat. 2,005,321. Dyestuffs of the Anthraquinoneacridone Series. June 18, 1935.

Pat. 2,005,848. Water Inseluble Azo Dyestuff Containing a Benzanthrone Nucleus. June 25, 1935.

Pat. 2,006,017. 4-Amino-1.8-Naphthalene-Dicarboxylic Acid Imides and 4-Alkylamino-1.8-Naphthalene-Dicarboxylic Acid Alkylimides and a Process of Preparing Them. June 25, 1935.

Pat. 2,006,022. Dyestuff of the Quinophthalone Series of Good Fastness to Light. June 25, 1935.

Pat. 2,006,211. Colored Rubber Products and Process of Producing Them. June 25, 1935.

Pat. 2,006,514. Sulphurized Indophenols. July 2, 1935.

Pat. 2,006,735. Nitro-Aryl Amino-Aryl Amines. July 2, 1935.

Pat. 2,006,740. Azo Dyestuffs. July 2, 1935.

Pat. 2,007,322. Preparation of Aliphatic Chlorides. July 9, 1935.

Pat. 2,008,056. Process of Preparing 1.4-Diaminoanthraquinone-2,3,X-Trisulphonic Acids. July 16, 1935.

Pat. 2,009,058. Water-Insoluble Azo Dyestuff and Fiber Dyed Therewith. July 23, 1935.

Pat. 2,009,063. Water Insoluble Azo Dyestuff and Fiber Dyed Therewith. July 23, 1935.

Pat. 2,009,064. Process of Preparing Amino Derivatives of Polycyclic Organic Compounds. July 23, 1935.

Pat. 2,009,596. Process of Preparing Naphthalene-1.4.5.8-Tetracarboxylic Acids and New Derivatives of Such Acids. July 30, 1935.

Pat. 2,009,611. Yellow Azo-Dyestuff Capable of Being Chromed. July 30, 1935.

Pat. 2,009,612. Composition for Oiling Textile Fibers. July 30, 1935.

Pat. 2,010,176. Wetting Assistant for Mercerizing Cotton. Aug. 6, 1935.

Pat. 2,010,921. Acid Dye. Aug. 13, 1935.

Pat. 2,011,292. Preparations Containing Aluminum Acetate and Aluminum Formate. Aug. 13, 1935.

Pat. 2,011,789. Condensation Product of the Benzanthrene Series. Aug. 20, 1935.

Pat. 2,011,805. Process of Preparing 1.4.5.8-Naphthalene-Tetra-Carboxylic Acid and Substitution Product Thereof. Aug. 20, 1935.

Pat. 2,011,806. Anthracene Derivative and a Process of Preparing It. Aug. 20, 1935.

Pat. 2,011,807. Process for Separating Mixtures of Isomeric Vat Dyestuffs of the 1.4.5.8-Naphthoylene Diarylimidazole Series into Their Components and the Dyestuffs Obtained Thereby. Aug. 20, 1935.

Pat. 2,012,387. Trisazodyestuffs. Aug. 27, 1935.

Pat. 2,012,553. Dyeing of Cellulose Esters and Ethers. Aug. 27, 1935.

Pat. 2,012,558. Vat Dyestuffs of the Dibenzanthrone Series. Aug. 27, 1935.

Pat. 2,012,569. Aminodiphenyl Derivatives and a Process of Preparing Them. Aug. 27, 1935.

Pat. 2,013,069. Dyestuffs of the Oxazine Series. Sept. 3, 1935.

Pat. 2,013,180. Process of Preparing Diazonium Compounds from 4-Aminodiarylamines. Sept. 3, 1935.

Pat. 2,013,181. Sulphonic Acid and Carboxylic Acid Derivatives of 1.1'-Diaryl-3.3'-Arylene-5.5'-bis-Pyrazolones. Sept. 3, 1935.

Pat. 2,013,182. Arylamino-Hydroxybenzene and Process of Preparing It. Sept. 3, 1935.

Pat. 2,013,659. Compound of the Azabenzanthrone Series. Sept. 10, 1935.

Pat. 2,013,873. Production of Aromatic Amines of the Benzene Series. Sept. 10, 1935.

Pat. 2,014,484. Azo Dyestuffs. Sept. 17, 1935.

Pat. 2,014,487. Azodyestuffs Insoluble in Water and Fibers Dyed Therewith. Sept. 17, 1935.

Pat. 2,014,568. Vat Dyestuffs of the Anthraquinone-acridine Series and Their Production. Sept. 17, 1935.

Pat. 2,015,161. Azo Dyestuff. Sept. 24, 1935.

Pat. 2,015,204. Water-Insoluble Azo-Dyestuff and Fiber Dyed Therewith. Sept. 24, 1935.

Pat. 2,015,225. Azo Dyestuffs. Sept. 24, 1935.

Pat. 2,015,226. Complex Metal Compound of Ortho Hydroxyazo Dyestuffs. Sept. 24, 1935.

Pat. 2,015,429. Azo Dyestuffs. Sept. 24, 1935.

Pat. 2,016,013. Dyestuffs of the Oxazine Series and Their Production. Oct. 1, 1935.

Pat. 2,016,495. Water-Insoluble Azo-Dyestuffs. Oct. 8, 1935.

Pat. 2,016,504. Dyestuffs of the Oxazine Series and a Process of Preparing Them. Oct. 8, 1935.

Pat. 2,016,521. Condensation Product of the Cyanuric Series and a Process of Preparing It. Oct. 8, 1935.

Pat. 2,016,944. Water-Insoluble Azo Dyes and Process of Making Them. Oct. 8, 1935.

Pat. 2,017,936. Aroylamino Anthraquinone Acridone Derivative. Oct. 22, 1935.

Pat. 2,018,095. Process of Preparing Solid Diazonium Salts. Oct. 22, 1935.

Pat. 2,018,103. Hydrazine Sulphonate. Oct. 22, 1935.

Pat. 2,018,137. Condensation Products from Phloroglucine and Process of Preparing Them. Oct. 22, 1935.

Pat. 2,018,350. Production of Aldehydes from Dicarboxylic Acids. Oct. 22, 1935.

Pat. 2,018,775. Process of Preparing Diphenyl-Methane Derivatives. Oct. 29, 1935.

Pat. 2,018,801. Azo Dyestuffs. Oct. 29, 1935.

Pat. 2,018,813. Mu-Arylene-Thiazole and Arylene Oxazole Sulphonic Acid. Oct. 29, 1935.

Pat. 2,018,935. Poly-Halogen-Derivatives of Pyrene and a Process of Preparing Them. Oct. 29, 1935.

Pat. 2,019,830. Soluble Ortho-Hydroxyazo Dye and Its Production. Nov. 5, 1935.

Pat. 2,019,840. Process of Preparing 1.4-Dihalogen-Anthraquinone-2-Carboxylic Acids. Nov. 5, 1935.

Pat. 2,019,844. Azodyestuff. Nov. 5, 1935.

Pat. 2,019,914. Water-Insoluble Azo-Dyestuffs and Fiber Dyed Therewith. Nov. 5, 1935.

Pat. 2,019,915. Complex Metal Compounds of Azo Dyestuffs and Their Production. Nov. 5, 1935.

Pat. 2,020,622. Arylisothiazolones and Process of Making Same. Nov. 12, 1935.

Pat. 2,020,651. Condensation Product of the Oxazine Series. Nov. 12, 1935.

Pat. 2,021,267. Indigoid Vat Dyestuffs. Nov. 19, 1935.

Pat. 2,022,240. Halogenated Vat Dyestuff of the Benzanthronylaminoanthraquinone Series and Process of Making Same. Nov. 26, 1935.

Pat. 2,022,243. Azo Dye. Nov. 26, 1935.

Pat. 2,022,245. Mono-N-Alkanol Derivative of Aromatic Di-Amines and Poly-Amines. Nov. 26, 1935.

Pat. 2,022,923. Diazonium Compounds. Dec. 3, 1935.

Pat. 2,022,935. Asymmetrical Ureas and Their Production. Dec. 3, 1935.

Pat. 2,023,176. Disazo Dyestuffs. Dec. 3, 1935.

Pat. 2,023,479. Condensation Products of the Azabenzanthrone-Acridine Series and Their Production. Dec. 10, 1935.

Pat. 2,023,769. Fatty Mixture Capable of Being Emulsified. Dec. 10, 1935.

Pat. 2,023,773. Waterinsoluble Azodyestuffs. Dec. 10, 1935.

Pat. 2,023,926. Process of Preparing Vat Dyestuffs of the Pyranthrone Series and New Vat Dyestuffs Prepared Thereby. Dec. 10, 1935.

Pat. 2,023,928. Chrome Yellow Color. Dec. 10, 1935.

Pat. 2,023,953. Yellow Mono-Azodyestuffs Capable of Being Chromed. Dec. 10, 1935.

Pat. 2,024,502. Dyestuff Printing Paste. Dec. 17, 1935.

Pat. 2,024,525. Dioxazine Compounds and Process of Making Same. Dec. 17, 1935.

Pat. 2,024,534. Monoalkyl Ether of Aromatic Polyhydroxy Compounds. Dec. 17, 1935.

Pat. 2,025,169. 2-Aminoanthraquinone-Sulphonic Acids and a Process of Preparing Them. Dec. 24, 1935.

Pat. 2,025,170. 2-Amino-3-Bromo-Anthraquinone-Sulphonic Acid and the Alkali Metal Salts Thereof and a Process of Preparing Them. Dec. 24, 1935.

Pat. 2,025,370. Amino-Halogenanthraquinone Sulphonic Acids. Dec. 24, 1935.

Pat. 2,025,546. Vat Dyestuffs of the Anthraquinone Series and Process of Producing Same. Dec. 24, 1935.

Pat. 2,025,582. Water-Insoluble Azo Dyestuffs. Dec. 24, 1935.

Pat. 2,025,587. Arylides of 4-Hydroxy-Diphenyl-3-Carboxylic Acid. Dec. 24, 1935.

Pat. 2,025,921. Anthrapyridone Sulphonic Acid and Process of Making the Same. Dec. 31, 1935.

Pat. 2,025,991. Azo Dyestuffs and Their Production. Dec. 31, 1935.

Pat. 2,026,026. Arylamino Substituted 1.4.5.8-Naphthoylene-Di-(Arylimidazole) Condensation Products. Dec. 31, 1935.

Pat. 2,026,092. Dyestuffs of the Oxazine Series and Process of Preparing Them. Dec. 31, 1935.

Pat. 2,026,093. Dyestuffs of the Dioxazine Series and a Process of Preparing the Same. Dec. 31, 1935.

Pat. 2,026,861. Pyrazolone Azo Dyes and Their Production. Jan. 7, 1936.

Pat. 2,026,908. Waterinsoluble Azodyestuffs. Jan. 7, 1936.

Pat. 2,026,920. Azodyestuffs. Jan. 7, 1936.

Pat. 2,027,066. Solid Mineral Acid Diazonium Salts and a Process of Preparing Them. Jan. 7, 1936.

Pat. 2,027,658. Dyestuffs of the Anthraquinone Series. Jan. 14, 1936.

Pat. 2,028,271. Manufacture of Para-Cyclohexyl-Phenols. Jan. 21, 1936.

Pat. 2,028,373. Manufacture of 4-Aminodiphenylamine Derivatives and Intermediates Obtained Thereby. Jan. 21, 1936.

Pat. 2,028,384. Vat Dyestuffs of the Anthracene Series. Jan. 21, 1936.

Pat. 2,028,439. Disazodyestuffs. Jan. 21, 1936.

Pat. 2,028,469. Waterinsoluble Azodyestuffs Derived from Benzocarbazoles. Jan. 21, 1936.

Pat. 2,028,480. Waterinsoluble Azodyestuffs. Jan. 21, 1936.

Pat. 2,028,981. Production of Azo Dyestuffs. Jan. 28, 1936.

Pat. 2,029,007. Anthrapyridone Sulphonic Acids and the Process of Making Them. Jan. 28, 1936.

Pat. 2,029,237. Producing Vat Dyestuffs of the Dibenzanthrone Series. Jan. 28, 1936.

Pat. 2,029,239. Anthraquinone Derivatives. Jan. 28, 1936.

Pat. 2,029,258. Acid Dyestuffs of the Anthraquinone Series and a Process of Preparing Them. Jan. 28, 1936.

Pat. 2,029,555. Azodyestuffs. Feb. 4, 1936.

Pat. 2,029,591. Azodyestuffs. Feb. 4, 1936.

Pat. 2,029,647. Ethylene Azo Dyestuffs and Their Manufacture. Feb. 4, 1936.

Pat. 2,029,714. Thioindigo Dyestuff Preparations and a Process of Preparing Them. Feb. 4, 1936.

Pat. 2,029,727. Symmetrical Di-(Arylamino)-Hydroxybenzenes and a Process of Preparing Them. Feb. 4, 1936.

Pat. 2,030,327. Waterinsoluble Azodyestuffs. Feb. 11, 1936.

Pat. 2,030,355. Azodyestuffs and Their Production. Feb. 11, 1936.

Pat. 2,030,823. Nitroanthraquinone-Azoles. Feb. 11, 1936.

Pat. 2,030,824. 1-Amino-2-Anthraquinonyl-Anthraquinone-Azoles. Feb. 11, 1936.

Pat. 2,030,859. Textile Assistants. Feb. 18, 1936.

Pat. 2,031,143. Ortho-(Aminoaroyl)-Benzoic Acids and Inner Anhydrides Thereof and Process of Preparing Them. Feb. 18, 1936.

Pat. 2,031,406. Vat Dyestuffs of the Anthraquinone-2.1 (N) Benzacridone Series. Feb. 18, 1936.

Pat. 2,031,426. Disazo Dyestuff. Feb. 18, 1936.

NOTICE

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as being available for license only. The following schedules show the groupings of the patents. Abstracts will be published beginning November 9, 1948. Communications concerning specific abstracts should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del. Complete lists are available for inspection in the Patent Office, Washington 25, D. C., but are not available for distribution at this time. Group 28.

Schedule 1

407 patents relating to ammonia synthesis, apparatus for high pressure exothermic reactions, ammonia cracking, catalysts; hydrogen manufacture; alcohol synthesis; fertilizers; urea synthesis; urea-formaldehyde; equipment; gas analysis apparatus; hydroxyacetic acid process; hydrogenation; reaction of CO with water or alcohols, acid and ester syntheses, BF_3 processes; acetals; 1,3-dioxolanes; antifreeze, hydraulic fluids, automotive chemicals, denaturants; acrylic compounds and resins therefrom; and sundry nitrogen compounds, catalytic oxidations, dimethyl ether manufacture, manufacture of HCN, etc.

Schedule 2

587 patents relating to ceramics; chlorohydrocarbons; cyanides and electroplating; cyclohexane-cyclohexene; formaldehyde; foramide; hydrocyanic acid; peroxide; sodium; sodium hydride; sodium-naphthalene and derivatives; vinyl products; and miscellaneous.

Schedule 3

302 patents relating to blasting explosives; acids and salts; initiators, rivets and miscellaneous uses of explosives; miscellaneous explosives; and organic compounds and miscellaneous subjects.

Schedule 4

514 patents relating to cellulose derivative manufacture (particularly nitro-cellulose) and methods for reducing viscosity characteristic; adhesives-shoe cements activators and processes related thereto; pigments (including metallic powders) and dispersion processes therefor; apparatus and process for manufacturing and using organic coatings including coated fabrics; coated fabrics (cellulose derivative coatings) and compositions therefor, including products manufactured therefrom; coated fabrics (non-cellulosic coatings) and compositions therefor, including products manufactured therefrom; impregnated paper and similar sheet material; finishes for metal and glass—including automobiles, refrigerators, etc.; finishes for flexible substrates—including paper, leather, fabrics, etc. (except fully coated fabrics); finishes for wood surfaces—including furniture; organic coatings for general use including intermediates therefor; solvents and plasticizers—manufacture and use; hand creams, insect repellants and finger nail polishes; synthetic resins and their intermediates; and compositions for treatment of automotive cooling systems.

Schedule 5

334 patents relating to ammonium phosphate and sulfate; chlorosulfonates and chlorine; electroplating products; hydrochloric acid and salt cake; inhibitors and metal pickling compositions; insecticides, fungicides and bactericides; iron sulfate; lactic acid; lithium salts; nitric acid; pigments; plant regulants and herbicides; refractories; resins and polymers; shipping packages; sodium phosphates; sodium and potassium silicates; sulfamic acid and sulfamates; sulfuric acid; tanning agents; water repellents; zinc and zinc dust; zinc salts and ammonium chloride; and miscellaneous—not specifically classified.

Schedule 6

676 patents relating to the preparation of cellulose acetate and intermediates; esters, ethers, mixed esters and other cellulose derivatives; the spinning of cellulose acetate yarn; processing and treatment of cellulose acetate yarns; the preparation of miscellaneous resins and polymers; uses and treatments for regenerated cellulose films; casting machines for the manufacture of regenerated cellulose film; methods and apparatus for the manufacture of plain transparent regenerated cellulose film; casting processes for regenerated cellulose film; softeners and sizes for regenerated cellulose film; methods and compositions for use in the production of coated moistureproof films; the anchorage of moistureproofing coatings on regenerated cellulose film; plasticizers for moistureproofing coatings used on regenerated cellulose film; slip agents for moistureproofing coatings used on regenerated cellulose film; slitting machines and other mechanical equipment useful in the manufacture of thin films; transparentized papers, laminations and special property films and coatings; the manufacture of cellulose acetate, rubber hydrochloride and polyvinyl alcohol or acetal films; the manufacture and use of regenerated cellulose caps, bands and tubing; the manufacture of regenerated cellulose sponges; the use of viscose rayon yarns; the manufacture of chemical cellulose; the manufacture of viscose, including viscose additive compositions; spinnerets for use in the spinning of artificial filaments; the spinning of viscose yarns; methods and equipment for the purification of viscose rayon yarns; processing and treating of viscose rayon yarns; the production of novelty yarns; protein fibers; and deacetylated chitin.

Schedule 7

74 patents relating to color photography; photographic sensitizing dyes; photographic emulsion additions, modifications, etc.; non-gelatin, light-sensitive elements; new light sensitive compounds; film base compositions; treatments for improving film base; films with non-halation or day-light loading backings; film processing, chemicals, solutions, etc.; packages, containers, etc., for photographic materials; and apparatus, equipment, etc., for manufacturing or processing photographic materials.

Schedule 8

74 patents relating to colored pigments; zinc sulfide white pigments; and miscellaneous.

Schedule 9

212 patents relating to acrylic polymers; manufacture of plastic articles; cellulose derivative plastics; extrusion of safety glass interlayer sheeting; miscellaneous plasticizers; miscellaneous plastics; polytetrafluoroethylene; and vinyl polymers.

Schedule 10

1080 patents relating to anthraquinone dyes; azo dyes; miscellaneous dyes; dyeing and printing chemicals and processes; chemicals for treatment of textiles, paper and leather; petroleum chemicals; elastomers and elastomer chemicals; fine chemicals; miscellaneous organic compounds; miscellaneous inorganic compounds; and miscellaneous, mechanical.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 2, 1948

[VOL. 616. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 515,833. HAMMOND IRON WORKS, Warren, Pa. Filed Jan. 16, 1947.

HAMONDTANK

The word "Tank" and the representation of a tank, and the outline representation of the label are disclaimed apart from the mark.

FOR METAL TANKS AND COMBINATION METAL AND CONCRETE TANKS AND THE PARTICULAR USE BEING FOR OIL, WATER, GAS AND GASOLINE STORAGE.

Claims use since Mar. 1, 1916.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 482,892. G. BYRON REESE, doing business as Progressive Chemical Co., Minneapolis, Minn. Filed May 2, 1945.

Pro·kem

The term "kem" is disclaimed apart from the mark.

FOR LIQUID CHEMICAL BOILER SCALE REMOVER, LIQUID BRINE-SOLVENT FOR CLEANING CREAMERY TANKS, ETC., AND METAL CLEANING PASTE FOR SOLVENT FOR THE REMOVAL OF SURFACE FILM.

Claims use since Mar. 29, 1945.

Ser. No. 484,181. REGENT LABORATORIES, INC., New York, N. Y. Filed June 5, 1945.

Swagger

FOR AFTER SHAVE LOTION.

Claims use since Apr. 16, 1945.

Ser. No. 492,788. PUROCAINE, INC., Philadelphia, Pa. Filed Dec. 6, 1945.

PUROCAINE, Inc.

The word "Inc" is disclaimed apart from the mark.

FOR LIQUID AND SOLID CHEMICAL COMPOUNDS AND COMPOSITIONS USEFUL AS PHARMACEUTICALS AND AS RAW MATERIALS AND INTERMEDIATES IN THE MANUFACTURE THEREOF—NAMELY, PROCAINE HYDROCHLORIDE, PROCAINE BASE, BUTYL-P-AMINOBENZOATE, ISOBUTYL-P-AMINOBENZOATE, EPINEPHRINE, DESOXYEPHEDRINE HYDROCHLORIDE, MENADIONE (VITAMIN K-3) AND BISMUTH-SODIUM-TARTRATE.

Claims use since Mar. 29, 1943.

Ser. No. 502,676. PERRY N. ZANG, Freeport, N. Y., assignor to Amorskin, Inc., Freeport, N. Y., a corporation of New York. Filed May 23, 1946.

VIVIDERM

FOR EXTRACT OBTAINED FROM CERTAIN ANIMAL TISSUE COMBINED WITH EXTRACTS OF SKIN TISSUE OBTAINED FROM CERTAIN SPECIES OF REPTILES, AS TURTLES, TORTOISES, AND IGUANAS, USED IN COMPOUNDING TOILET GOODS ITEMS.

Claims use since December 1925.

Ser. No. 511,183. PHYSIOLOGICAL CHEMICALS COMPANY, INC., New York, N. Y. Filed Oct. 19, 1946.

CO-AMINO

The word "Amino" is disclaimed apart from the mark as shown.

FOR MEDICINAL PREPARATIONS CONTAINING AMINO ACIDS AND VITAMIN B COMPLEX FACTORS FOR USE AS A NUTRITIONAL SUPPLEMENT.

Claims use since May 12, 1945.

Ser. No. 512,227. THE ARMAND COMPANY, Des Moines, Iowa. Filed Nov. 8, 1946.

Too Lovely for Words

FOR COLOGNE.

Claims use since June 28, 1946.

Ser. No. 513,168. EVAN WILLIAMS COMPANY LIMITED, London, England. Filed Nov. 25, 1946.

Evan Williams

The trade-mark consists of the signature of the founder of the applicant's business.

FOR TOILET PREPARATIONS—NAMELY, HENNA SHAMPOO POWDERS, HAIR LOTIONS, AND HENNA BRILLIANTINE.

Claims use since 1917.

Ser. No. 513,859. VODOL COMPANY, Chicago, Ill., now by change of name Vodine Company, a corporation of Illinois, assignor to Benjamin Clayton, San Marino, Calif. Filed Dec. 6, 1946.

Vodine

FOR SOLIDIFIED IODINE OINTMENT.

Claims use since Sept. 19, 1946.

Ser. No. 515,631. PARAMOUNT PEST CONTROL SERVICE, Oakland, Calif. Filed Jan. 11, 1947.



FOR INSECTICIDES, RODENTICIDES, AND FUNGICIDES.

Claims use since November 1938.

Ser. No. 520,605. AVILITE, INC., Burbank, Calif. Filed Apr. 14, 1947.

INSECT-O-LITE

The word "Insect" and the representation of the device are disclaimed apart from the mark.

FOR INSECTICIDES.

Claims use since Feb. 6, 1947.

Ser. No. 521,139. LOUISE SHERRITT TIBBETTS, doing business as Lamoraga Specialties, Moraga, Calif. Filed Apr. 22, 1947.

Lamoraga

FOR FACE CREAMS, ASTRINGENTS, SKIN FRESHENERS, AND SHAMPOOS.

Claims use since July 1, 1946.

Ser. No. 522,298. MARY L. ALLEN, Newark, N. J. Filed May 12, 1947.



The illustration of the head of the woman shown on the drawing is fanciful.

FOR HAIR AND SCALP CREAM PREPARATIONS FOR RELIEVING ITCHING SCALP.

Claims use since Sept. 30, 1946.

Ser. No. 523,077. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed May 26, 1947.

CENCO

FOR REAGENTS AND VOLUMETRIC SOLUTIONS FOR USE IN CHEMICAL, CLINICAL AND BIOLOGICAL LABORATORIES FOR TESTING PURPOSES INCLUDING: ACID, ACETIC; ACID, ALCOHOL; ACID, AMINONAPHTHOLSULFONIC; ACID, CHLOROPLATINIC; ACID, DICHROMATE; ACID, DIGESTION MIXTURE; ACID, HYDROCHLORIC; ACID, OXALIC; ACID, PHOSPHOMOLYBDIC; ACID, PICRIC; ACID, SULFURIC; ACID, TRICHLOROACETIC; ALBERT'S STAIN; ALBUMEN FIXATIVE; ALCOHOLIC POTASSIUM HYDROXIDE; ALIZARIN RED S; ALIZARIN SODIUM MONOSULFONATE; ALKALINE COPPER; ALKALINE FERRICYANIDE; ALKALINE POTASSIUM IODIDE; AMMONIUM OXALATE; AMMONIUM SULFAMATE; AMMONIUM SULFATE; AMMONIUM SULPHOCYANIDE (THIOCYANATE); ANDRADE'S INDICATOR; ANILINE GENTIAN VIOLET; ANTIFORMIN; ARSENOUS TRIOXIDE; AZOLITMIN; BARIUM CHLORIDE; BENEDICT'S REAGENTS; BENZIDINE HYDROCHLORIDE; BILIRUBIN, ARTIFICIAL; BISMARCK BROWN; BOAS REAGENT; BOGEN'S INDICATOR; BRILLIANT CRESYL BLUE; BROMCRESOL GREEN; BROMCRESOL PURPLE; BROMINE WATER; BROMTHYMOL BLUE; BUFFER ACETATE MIXTURE; BUFFER MIXTURES; BUFFER, SODIUM PYROPHOSPHATE; BUFFER SUBSTRATE; BUFFER, WRIGHT'S STAIN; CARBOL-FUCHSIN; CARBOL-GENTIAN VIOLET; CHLORINE WATER; CHLORPHENOL RED; CHOLESTEROL; COLLOIDAL GOLD; CONGO RED; CREATININE; CRESOL PHTHALEIN; CRESOL RED; CUPROUS CHLORIDE; DAMAR IN XYLOL; DIMETHYLAMINOAZOBENZENE (TOEPFER); DIMETHYGLOXIME; DIMETHYL-A-NAPHTHYLAMINE; DOCTOR'S SOLUTION; EHRLICH'S DIAZO REAGENTS; EOSIN; ESBACH'S REAGENT; EXTON'S REAGENT; FEHLING'S SOLUTIONS; FERRIC AMMONIUM SULPHATE; FERRIC CHLORIDE; FERRIC IRON GUM GHATTI; FERRIC NITRATE; FISCHER, KARL, REAGENTS; FLUORESCEIN; FUCHSIN; GABBETT'S STAIN; GENTIAN VIOLET; GIEMSA'S STAIN; GLUCOSE STANDARD; GOWER'S REAGENT; GRAM'S STAINS; GUM GHATTI; HAINE'S SOLUTION; HASTINGS BLOOD; HAYEM'S REAGENT; HEMATOXYLIN; HYDROGEN SULPHIDE; ICTERIC INDEX STANDARD; INDIGO; INVERTASE; IODINE; ISOTONIC SOLUTION; LEAD ACETATE; LITMUS; LOGWOOD; MALACHITE GREEN; MALLORY'S ANILINE BLUE; MANGANOUS SULPHATE; MERCUROCHROME; METHYL ORANGE; METHYL RED; METHYL VIOLET; METHYLENE BLUE; MILLON'S REAGENT; MOLISCH'S REAGENT; N-(1-NAPHTHYL) ETHYLENEDIAMINE DIHYDROCHLORIDE; NEISSER'S STAIN; NESSLER'S REAGENTS; NEUTRAL RED; NITROGEN STANDARDS; NYLANDER'S REAGENT; OBERMAYER'S REAGENT; OCCULT BLOOD REAGENT; ORTHO-TOLIDIN; PANCREATIN; PARLODION; PEPSIN; PHENOLPHTHELEIN; PHENOL REAGENT; PHENOL RED; PHLOROGLUCINOL; PHOSPHATE STANDARDS; PHYSIOLOGICAL SALT; PLATINUM CHLORIDE; POTASSIUM CHROMATE; POTASSIUM DICHROMATE; POTASSIUM HYDROXIDE; POTASSIUM PERMANGANATE; POTASSIUM PYROGALLATE; POTASSIUM SULPHOCYANIDE (THIOCYANATE); RICE'S REAGENT; ROBERT REAGENT; SAFRANIN; SAPONIN; SCHIFF'S REAGENT; SILVER NITRATE; SOAP STANDARDS; SODIUM CARBONATE; SODIUM CHLORIDE; SODIUM CYANIDE; SODIUM HYDROXIDE; SODIUM HYPOBROMITE; SODIUM HYPOCHLORITE; SODIUM MOLYBDATE; SODIUM NITRITE; SODIUM NITROPRUSSIDE; SODIUM OXALATE; SODIUM SILICATE; SODIUM THIOSULPHATE; SODIUM TUNGSTATE; STARCH; SUDAN III; SULFADIAZINE; SULFAGUANIDINE; SULFAMERAZINE; SULFANILAMIDE; SULFAPYRIDINE; SULFATHIAZOLE; TETRACHROME BLOOD STAIN; THYMOL BLUE; THYMOL PHTHALEIN; TOLLEN REAGENT; TURBIDITY STANDARDS; TUMERIC; UREA CYANIDE; UREA STANDARDS; UREASE; URIC ACID REAGENTS; WRIGHT'S BLOOD STAIN; ACETAMIDE; ACETANILIDE; ACETIC ANHYDRIDE; ACETONE; ACETOPHENONE; ACETYL BROMIDE; ACETYL CHLORIDE; ACETIC ACID; ACETYLSALICYLIC ACID; ANTHRANILIC ACID; ARSENIC ACID; ARSENOUS ACID; BENZOIC ACID; BORIC ACID; BROMACETIC ACID; BROMIC ACID; BUTYRIC ACID; CAMPHORIC ACID; CARBOLIC ACID; CHLORACETIC ACID; CHLORIC ACID; CHROMIC ACID; CINNAMIC ACID; CITRIC ACID; FORMIC ACID; GALLIC ACID; HIPPURIC ACID; HYDROBROMIC ACID; HYDROCHLORIC ACID; HYDROCYANIC ACID; HYDROFLUORIC ACID; HYDROFLUOSILICIC ACID; HYDROIODIC ACID; IODIC ACID; LACTIC ACID; MALEIC ACID; MALIC ACID; MOLYBDIC ACID; NITRIC ACID; OLEIC ACID; OSMIC ACID; OXALIC ACID; PALMITIC ACID; PERCHLORIC ACID; PHOSPHOMOLYBDIC ACID; PHOSPHORIC ACID; PHOSPHOROUS ACID; PHOSPHOTUNGSTIC ACID; PHTHALIC ACID; PICRAMIC ACID; PICRIC ACID; PROPIONIC ACID; PYROGALLIC ACID; PYROLIGNEOUS ACID; SALICYLIC ACID; SELENIC ACID; SELENOUS ACID; SILICIC ACID; SILICOTUNGSTIC ACID; STEARIC ACID; SUCCINIC ACID; SULPHANILIC ACID; SULPHOCARBOLIC ACID; SULPHURIC ACID; SULPHUROUS ACID; TANNIC ACID; TARTARIC ACID; TUNGSTIC ACID; URIC ACID; VALERIANIC ACID; AGAR-AGAR; ALBUMEN ALLYL ALCOHOL; AMYL ALCOHOL; BENZYL ALCOHOL; BUTYL ALCOHOL; CAPRYL ALCOHOL; METHYL ALCOHOL; PROPYL ALCOHOL; ACETIC ALDEHYDE; CINNAMIC ALDEHYDE; ALIZARINE; ATROPINE ALKALOID; ATROPINE SULPHATE; BRUCINE; BRUCINE SULPHATE; CAFFEINE; CAFFEINE CITRATED; CINCHONIDINE ALKALOID; CINCHONIDINE SULPHATE; CINCHONINE ALKALOID; CINCHONINE SULPHATE; DIGITALIN; ESERINE ALKALOID; ESERINE SULPHATE; HYOSCINE; NICOTINE ALKALOID; PILOCARPINE; PILOCARPINE HYDROCHLORIDE; QUINIDINE; QUININE ALKALOID; QUININE SULPHATE; STRYCHNINE; STRYCHNINE NITRATE; STRYCHNINE SULPHATE; VERATRINE; VERATRINE SULPHATE; ALLYL SULPHOCYANIDE; ALUMINUM ACETATE; ALUMINUM AMMONIUM SULPHATE; ALUMINUM BROMIDE; ALUMINUM CHLORIDE; ALUMINUM CHROMATE; ALUMINUM FLUORIDE; ALUMINUM HYDRATE; ALUMINUM IODIDE; ALUMINUM NITRATE; ALUMINUM OXALATE; ALUMINUM OXIDE; ALUMINUM PHOSPHATE; ALUMINUM POTASSIUM SULPHATE; ALUMINUM SODIUM CHLORIDE; ALUMINUM SODIUM SULPHATE; ALUMINUM SULPHATE; ALUMINUM SULPHIDE; ALUMINUM SULPHITE; ALUMINUM TARTRATE; AMIDO-AZO-BENZENE; AMIDO-PHENOL; AMMONIUM ACETATE; AMMONIUM ARSENATE; AMMONIUM ARSENITE; AMMONIUM BENZOATE; AMMONIUM BICARBONATE; AMMONIUM BICHROMATE; AMMONIUM BIFLUORIDE; AMMONIUM BINOXALATE; AMMONIUM BIPHOSPHATE; AMMONIUM BISULPHATE; AMMONIUM BISULPHITE; AMMONIUM BITARTRATE; AMMONIUM BORATE; AMMONIUM BROMIDE; AMMONIUM CARBONATE; AMMONIUM CHLORIDE; AMMONIUM CHROMATE; AMMONIUM CITRATE; AMMONIUM FLUORIDE; AMMONIUM FORMATE; AMMONIUM HYDRATE; AMMONIUM IODIDE; AMMONIUM MOLYBDATE; AMMONIUM NITRATE; AMMONIUM OXALATE; AMMONIUM PERCHLORATE; AMMONIUM PERSULPHATE; AMMONIUM PHOSPHATE; AMMONIUM PHOSPHOMOLYBDATE; AMMONIUM PHOSPHOTUNGSTATE; AMMONIUM PICRATE; AMMONIUM SALICYLATE; AMMONIUM SULPHATE; AMMONIUM SULPHIDE; AMMONIUM SULPHITE; AMMONIUM SULPHOCYANIDE; AMMONIUM TARTRATE; AMMONIUM TETROXALATE; AMMONIUM TUNGSTATE; AMMONIUM VALERATE; AMYGDALIN; AMYL ACETATE; AMYL BROMIDE; AMYL CHLORIDE; AMYL IODIDE; AMYL NITRATE; AMYL SALICYLATE; AMYL VALERATE; AMYLENE; ANILINE; ANILINE ACETATE; ANILINE HYDROCHLORIDE; ANILINE NITRATE; ANILINE OXALATE; ANILINE SULPHATE; BIOLOGICAL STAINS; ANTHRACENE; ANTHRAQUINONE; ANTIMONY; ANTIMONY CHLORIDE; ANTIMONY FLUORIDE; ANTIMONY IODIDE; ANTIMONY OXIDE; ANTIMONY OXYCHLORIDE; ANTIMONY OXYSULPHIDE; ANTIMONY POTASSIUM TARTRATE; ANTIMONY SULPHATE; ANTIMONY SULPHIDE; ANTIMONY TARTRATE; ANTIPYRINE; ARSENIC; ARSENIC BROMIDE; ARSENIC CHLORIDE; ARSENIC IODIDE; ARSENIC OXIDE; ARSENIC SULPHIDE; ASCARITE; ASPARAGIN; AZOBENZENE; BARIUM ACETATE; BARIUM BICHROMATE; BARIUM BROMATE; BARIUM BROMIDE; BARIUM CARBONATE; BARIUM CHLORATE; BARIUM CHLORIDE; BARIUM CHROMATE; BARIUM CYANIDE; BARIUM DIOXIDE; BARIUM FLUORIDE; BARIUM HYDRATE; BARIUM HYPOSULPHITE; BARIUM IODIDE; BARIUM NITRATE; BARIUM OXALATE; BARIUM OXIDE; BARIUM PERMANGANATE; BARIUM PHOSPHATE;

BARIUM SULPHATE; BARIUM SULPHIDE; BARIUM SULPHITE; BARIUM SULPHOCYANIDE; BARIUM TARTRATE; BENZALDEHYDE; BENZIDINE; BENZIL; BENZINE; BENZOLE; BENZO-PHENONE; BENZOYL CHLORIDE; BENZYL CHLORIDE; BERYLLIUM CHLORIDE; BERYLLIUM NITRATE; BERYLLIUM SULPHATE; BISMUTH ACETATE; BISMUTH BROMIDE; BISMUTH CHLORIDE; BISMUTH HYDRATE; BISMUTH NITRATE; BISMUTH OXIDE; BISMUTH OXYCHLORIDE; BISMUTH SUBCARBONATE; BISMUTH SUBNITRATE; BISMUTH SULPHATE; BORON; MONOBROMBENZOLE; BROMINE; BROMINE WATER; BROMINE CHLORIDE; BROMOFORM; CADMIUM ACETATE; CADMIUM BROMIDE; CADMIUM CARBONATE; CADMIUM CHLORIDE; CADMIUM FLUORIDE; CADMIUM HYDRATE; CADMIUM IODIDE; CADMIUM NITRATE; CADMIUM OXALATE; CADMIUM OXIDE; CADMIUM PHOSPHATE; CADMIUM SULPHATE; CADMIUM SULPHIDE; CALCIUM ACETATE; CALCIUM ARSENATE; CALCIUM ARSENITE; CALCIUM BENZOATE; CALCIUM BORATE; CALCIUM BROMIDE; CALCIUM CARBIDE; CALCIUM CARBONATE; CALCIUM CHLORATE; CALCIUM CHLORIDE; CALCIUM CHROMATE; CALCIUM CITRATE; CALCIUM FLUORIDE; CALCIUM FORMATE; CALCIUM HYDRATE; CALCIUM HYPOCHLORITE; CALCIUM IODIDE; CALCIUM LACTATE; CALCIUM NITRATE; CALCIUM OXALATE; CALCIUM OXIDE; CALCIUM PEROXIDE; CALCIUM PHOSPHATE; CALCIUM PHOSPHIDE; CALCIUM PHOSPHITE; CALCIUM SULPHATE; CALCIUM SULPHIDE; CALCIUM SULPHITE; CALCIUM TARTRATE; CALCIUM TUNGSTATE; CALCIUM URATE; CARBON; CARBON BISULPHIDE; CARBON TETRACHLORIDE, CASEIN; CERIUM CHLORIDE; CERIUM NITRATE; CERIUM SULPHATE; ANIMAL CHARCOAL, BLOOD CHARCOAL; SUGAR CHARCOAL; CHLORAL HYDRATE; CHLORETONE; CHLOROFORM; CHLOROPHYLL; CHOLESTERINE; CHROMIUM ACETATE; CHROMIUM AMMONIUM SULPHATE; CHROMIUM CARBONATE; CHROMIUM CHLORIDE; CHROMIUM FLUORIDE; CHROMIUM HYDRATE; CHROMIUM NITRATE; CHROMIUM OXIDE; SESQUI; CHROMIUM PHOSPHATE; CHROMIUM POTASSIUM SULPHATE; CHROMIUM SULPHATE; COBALT ACETATE, COBALT CARBONATE; COBALT CHLORIDE; COBALT CHROMATE; COBALT HYDRATE; COBALT NITRATE; COBALT OXALATE; COBALT OXIDE; COBALT PHOSPHATE; COBALT SULPHATE; COCHINEAL; COLLODION; COPPER ACETATE; COPPER ACETOARSENITE; COPPER AMMONIUM CHLORIDE; COPPER AMMONIUM SULPHATE; COPPER ARSENATE; COPPER ARSENITE; COPPER BORATE; COPPER BROMIDE; COPPER CARBONATE; COPPER CHLORATE; COPPER CHLORIDE; COPPER CHROMATE; COPPER CYANIDE; COPPER FERROCYANIDE; COPPER FLUORIDE; COPPER HYDRATE; COPPER IODIDE; COPPER NITRATE; COPPER OXALATE; COPPER OXYCHLORIDE; COPPER OXIDE; COPPER PHOSPHATE; COPPER POTASSIUM CHLORIDE; COPPER POTASSIUM SULPHATE; COPPER SULPHATE; COPPER SULPHIDE, COPPER TARTRATE; CREATIN; CREATININE; CREATININE ZINC CHLORIDE; CREOSOTE; CREOSOTE CARBONATE; CRESOL; META-CRESOL; ORTHO-CRESOL; PARA-CRESOL; CUMARIN; CUPFERRON; CURARE; DEXTRIN; DEXTROSE; DIASTASE OF MALT; DIASTASE TAKA; DIGITALIN; DIMETHYL SULPHATE; DIMETHYLAMIDOAZOBENZENE; PARA-DIMETHYLAMINOBENZALDEHYDE; DIMETHYLANILINE; DIMETHYLGLYOXIME; METADINITROBENZENE; DIPHENYLAMINE; EMERY; ESCHKA'S MIXTURE; PETROLIC ETHER; SULPHURIC ETHER; ETHYL ACETATE; ETHYL ACETOACETATE; ETHYL BENZOATE; ETHYL BROMIDE; ETHYL BUTYRATE; ETHYL CHLORIDE; ETHYL FORMATE; ETHYL IODIDE; ETHYL OXALATE; ETHYL VALERATE; ETHYLENE BROMIDE; ETHYLENE IODIDE; ETHYLIDINE CHLORIDE; FEHLING'S SOLUTION TABLETS; FIBRIN; FLAXSEED; FORMALDEHYDE; PARAFORMALDEHYDE; FORMIN; FURFURAL; GLYCERIN; GLYCOGEN; GOLD BROMIDE; GOLD CHLORIDE; GOLD CYANIDE; GOLD OXIDE; GOLD POTASSIUM CYANIDE; GOLD SODIUM BROMIDE; GOLD SODIUM CHLORIDE; GRAPHITE; GUAIACIN; GUAIACOL; GUM ARABIC; GUM BENZOIN; GUM CAMPHOR; GUM CATECHU; GUM DAMMAR; GUM GUAIAC; GUM MASTIC; GUM TRAGACANTH; HEMOGLOBIN; HIDE POWDER; HYDRAZINE SULPHATE; HYDROGEN PEROXIDE; HYDRONE; HYDROQUINONE; HYDROXYLAMINE HYDROCHLORIDE; HYDROXYLAMINE SULPHATE; ALIZARIN; ALPHANAPHTHOLPHTHALEIN, AZOLITMIN; ANILINE-AZODIMETHYLANILINE; BENZOPURPURIN; CARMINE; CARMINIC ACID; CONGO CORINTH; CURCUMIN; DIPHENYLAMINE; EOSIN METHYLENE BLUE; ERYTHROSINE; ETHYL ORANGE, ETHYL RED; FLUORESCEIN; FUCHSIN ACID; FUCHSIN BASIC; HAEMATOXYLIN; IODOEOSIN; LACMOID; LITMUS; MALACHITE GREEN; METANIL YELLOW; META-PHENYLENEDIAMINE; METHYL ORANGE; METHYL RED; NAPHTHOL GREEN; NEUTRAL RED; PARANITROPHENOL; PHENACETOLIN; PHENOLPHTHALEIN; PHENYLANILINE; POIRRIER'S BLUE; RESAZURIN; RESORCIN TETRA-IODOPHTHALEIN; RIEGLER'S INDICATOR; ROSOLIC ACID; SODIUM SULPHALIZARATE; TETRA-BROM-PHENOLPHTHALEIN; THYMOL PHTHALEIN; TROPACLIN; THYMOLSULPHONAPHTHALEIN; TETRA-BROM-PHENOLSULPHONAPHTHALEIN; ORTHO-CARBOXYBENZENEAZODIMETHYLANILINE; PROPYL RED; DIBROM-ORTHO-CRESOLSULPHONAPHTHALEIN; DIBROM-THYMOLSULPHONAPHTHALEIN; PHENOLSULPHONAPHTHALEIN; O-CRESOLSULPHONAPHTHALEIN; THYMOLSULPHONAPHTHALEIN; O-CRESOLPHTHALEIN; INDIGO MADRAS; INDIGO CARMINE; INDIGOTIN; INFUSORIAL EARTH; IODINE; IODINE CHLORIDE; IODINE TINCTURE; IODOFORM; IRON ACETATE; IRON AMMONIUM BROMIDE; IRON AMMONIUM CHLORIDE; IRON AMMONIUM CITRATE; IRON AMMONIUM OXALATE; IRON AMMONIUM SULPHATE; IRON ARSENATE; IRON ARSENITE; IRON BROMIDE; IRON CARBONATE; IRON CHLORIDE; IRON CITRATE; IRON DIALYZED; IRON FERROCYANIDE; IRON HYDRATE; IRON IODIDE; IRON NITRATE; IRON OXALATE; IRON OXIDE; IRON PHOSPHATE; IRON POTASSIUM OXALATE; IRON POTASSIUM SULPHATE; IRON PYROPHOSPHATE; IRON SALICYLATE; IRON SODIUM OXALATE; IRON SODIUM SULPHATE; IRON SULPHATE; IRON SULPHIDE; IRON TANNATE; IRON TARTRATE; KAOLIN; LACTOSE; LEAD ACETATE; LEAD ARSENATE; LEAD BICHROMATE; LEAD BROMIDE; LEAD CARBONATE; LEAD CHLORIDE; LEAD CHROMATE; LEAD FERROCYANIDE; LEAD HYDRATE; LEAD IODIDE; LEAD NITRATE; LEAD OXALATE; LEAD OXIDE; LEAD PHOSPHATE; LEAD SILICO-FLUORIDE; LEAD SULPHATE; LEAD SULPHIDE; LEAD TARTRATE; LECITHIN; LITHIUM ACETATE; LITHIUM BROMIDE; LITHIUM CARBONATE; LITHIUM CHLORIDE; LITHIUM HYDRATE; LITHIUM IODIDE; LITHIUM NITRATE; LITHIUM OXIDE; LITHIUM PHOSPHATE; LITHIUM SULPHATE; LITHIUM TARTRATE; LITMUS CUBES; LOGWOOD CHIPS; LOGWOOD EXTRACT; LYCOPODIUM; DILUTE CARBOLIC ACID; MAGNESIUM ACETATE; MAGNESIUM AMMONIUM CHLORIDE; MAGNESIUM AMMONIUM PHOSPHATE; MAGNESIUM AMMONIUM SULPHATE; MAGNESIUM BROMIDE; MAGNESIUM CARBONATE; MAGNESIUM CHLORIDE; MAGNESIUM CHROMATE; MAGNESIUM CITRATE; MAGNESIUM FLUORIDE; MAGNESIUM FORMATE; MAGNESIUM IODIDE; MAGNESIUM NITRATE; MAGNESIUM OXALATE; MAGNESIUM OXIDE; MAGNESIUM PEROXIDE; MAGNESIUM PHOSPHATE; MAGNESIUM SILICOFLUORIDE; MAGNESIUM SODIUM PHOSPHATE; MAGNESIUM SULPHATE; MAGNESIUM SULPHITE; MALTOSE; MANGANESE ACETATE; MANGANESE BORATE; MANGANESE BROMIDE; MANGANESE CARBONATE; MANGANESE CHLORIDE; MANGANESE DIOXIDE; MANGANESE IODIDE; MANGANESE NITRATE; MANGANESE OXALATE; MANGANESE OXIDE; MANGANESE PHOSPHATE; MANGANESE SULPHATE; MANGANESE SULPHIDE; MANGANESE TARTRATE; MENTHOL; MERCURY ACETATE; MERCURY BROMIDE; MERCURY CHLORIDE; MERCURY CHROMATE; MERCURY CYANIDE; MERCURY IODIDE; MERCURY NITRATE; MERCURY OXIDE; MERCURY OXYCYANIDE; MERCURY POTASSIUM IODIDE; MERCURY SULPHATE; MERCURY SULPHIDE; MERCURY SULPHOCYANATE; METHYL ACETATE; METHYL IODIDE; METHYL SALICYLATE, METHYLAMINE; METHYLAMINE HYDROCHLORIDE; METHYLENE CHLORIDE; METHYLENE IODIDE; METHYLPARAMIDOPHENOL HAUFF; MOLYBDENUM OXIDE; MOLYBDENUM SULPHIDE; MONOMETHYLANILINE; NAPHTHALENE; NAPHTHOL; NAPHTHYLAMINE ALPHA; NAPHTHYLAMINE ALPHA HYDROCHLORIDE; NAPHTHYLAMINE BETA; NAPHTHYLAMINE BETA HYDROCHLORIDE; NICKEL ACETATE; NICKEL ALUMINUM SULPHATE; NICKEL AMMONIUM CHLORIDE; NICKEL AMMONIUM SULPHATE; NICKEL BROMIDE; NICKEL CARBONATE; NICKEL CHLORIDE; NICKEL HYDRATE; NICKEL NITRATE; NICKEL OXALATE; NICKEL OXIDE; NICKEL PHOSPHATE; NICKEL SULPHATE; NICKEL SULPHIDE; NICKEL TARTRATE; NINHYDRIN; META-NITRANILINE; ORTHO-NITRANILINE; PARA-NITRANILINE; NITROBENZOLE; ORTHO-NITROPHENOL; PARA-NITROPHENOL; NITROSOBETANAPHTHOL; ORTHO-NITROTOLUOL; PARA-NITROTOLUOL; NUTGALL; NUTROSE; BERGAMOT OIL; CAJEPUT OIL; CAMPHOR OIL; CASTOR OIL; CEDAR-WOOD OIL; EUCALYPTUS OIL; LAVENDER OIL; LEMON-GRASS OIL; ORIGANUM CRETIC OIL; PALM OIL; RAPESEED OIL; SESAME OIL; THYME OIL; PALLADIUM CHLORIDE; PALLADIUM NITRATE; PANCREATIN; PAPER PARCHMENT; PARAFFIN; PARALDEHYDE; PARIODION; PEPSIN; PEPTONE; PERMUTIT; PETROLATUM; PHENYLENEDIAMINE META; PHENYLENEDIAMINE META HYDROCHLORIDE; PHENYLENEDIAMINE PARA; PHENYLENEDIAMINE PARA HYDROCHLORIDE; PHENYLHYDRAZINE; PHENYLHYDRAZINE HYDROCHLORIDE; PHLOROGLUCIN; PHOSPHORUS YELLOW; PHOSPHORUS AMORPHOUS RED; PHOSPHORUS BROMIDE TRI; PHOSPHORUS CHLORIDE PENTA; PHOSPHORUS CHLORIDE TRI; PHOSPHORUS OXYCHLORIDE; PHOSPHORUS PENTOXIDE; PHOSPHORUS SULPHIDE PENTA; PHOSPHORUS SULPHIDE TRI; PITCHBLENDE; PLATINUM CHLORIDE; POTASSIUM ACETATE; POTASSIUM ACID PHTHALATE; POTASSIUM AMMONIUM SULPHATE; POTASSIUM ANTIMONIATE; POTASSIUM ARSENATE; POTASSIUM ARSENITE; POTASSIUM BENZENESULPHONATE; POTASSIUM BENZOATE; POTASSIUM BICARBONATE; POTASSIUM BICHROMATE; POTASSIUM BIFLUORIDE; POTASSIUM BINIODATE; POTASSIUM BINOXALATE; POTASSIUM BISULPHATE; POTASSIUM BISULPHITE; POTASSIUM BITARTRATE; POTASSIUM BORATE; POTASSIUM BROMATE; POTASSIUM BROMIDE; POTASSIUM CARBONATE; POTASSIUM CHLORATE; POTASSIUM CHLORIDE; POTASSIUM CHROMATE; POTASSIUM CITRATE; POTASSIUM CYANATE; POTASSIUM CYANIDE; POTASSIUM FERRICYANIDE; POTASSIUM FLUORIDE; POTASSIUM FORMATE; POTASSIUM HYDRATE; POTASSIUM HYPOSULPHITE; POTASSIUM IODATE; POTASSIUM IODIDE; POTASSIUM MANGANATE; POTASSIUM METABISULPHITE; POTASSIUM MOLYBDATE; POTASSIUM NITRATE; POTASSIUM NITRITE; POTASSIUM OXALATE; POTASSIUM PERCHLORATE; POTASSIUM PERMANGANATE; POTASSIUM PERSULPHATE; POTASSIUM PHOSPHATE; POTASSIUM SALICYLATE; POTASSIUM SILICOFLUORIDE; POTASSIUM SODIUM SULPHATE; POTASSIUM SULPHATE; POTASSIUM SULPHIDE; POTASSIUM SULPHITE; POTASSIUM SULPHOCYANIDE; POTASSIUM TARTRATE; POTASSIUM TETROXALATE; POTASSIUM ZINC SULPHATE; PTYALIN; PYRIDINE; PYROCATCHIN; PYROXYLIN; RESORCIN; ROSANILINE; ROSANILINE HYDROCHLORIDE; ROSIN; SACCHARIN; SAPONIN; SELENIUM OXYCHLORIDE; SILVER ACETATE; SILVER BROMIDE; SILVER CARBONATE; SILVER CHLORIDE; SILVER CHROMATE; SILVER CYANIDE; SILVER IODIDE; SILVER LACTATE; SILVER NITRATE; SILVER NITRITE; SILVER OXIDE; SILVER SULPHATE; SODIUM ACETATE; SODIUM ALIZARIN SULPHONATE; SODIUM ALUMINATE; SODIUM AMALGAM; SODIUM AMMONIUM PHOSPHATE; SODIUM AMMONIUM SULPHATE; SODIUM ARSENATE; SODIUM ARSENITE; SODIUM BENZOATE; SODIUM BENZENE SULPHONATE; SODIUM BICARBONATE; SODIUM BICHROMATE; SODIUM BINOXALATE; SODIUM BISMUTHATE; SODIUM BISULPHATE; SODIUM BISULPHITE; SODIUM BITARTRATE; SODIUM BORATE; SODIUM BROMATE; SODIUM BROMIDE; SODIUM CALCIUM OXIDE; SODIUM CARBONATE; SODIUM CHLORATE; SODIUM CHLORIDE; SODIUM CHROMATE; SODIUM CITRATE; SODIUM COBALT NITRITE; SODIUM CYANIDE; SODIUM FERROCYANIDE; SODIUM FLUORIDE; SODIUM FORMATE; SODIUM GLYCOCHOLATE; SODIUM HYDRATE; SODIUM HYDROSULPHITE; SODIUM HYPOCHLORITE; SODIUM HYPOSULPHITE; SODIUM IODATE; SODIUM IODIDE; SODIUM MOLYBDATE; SODIUM NITRATE; SODIUM NITRITE; SODIUM NITROPRUSSIDE; SODIUM OLEATE; SODIUM OXALATE; SODIUM PERBORATE; SODIUM PEROXIDE; SODIUM PERSULPHATE; SODIUM PHOSPHATE; SODIUM PHOSPHITE; SODIUM PICRATE; SODIUM POTASSIUM CARBONATE; SODIUM POTASSIUM PHOSPHATE; SODIUM POTASSIUM TARTRATE; SODIUM SALICYLATE; SODIUM SILICATE; SODIUM SILICOFLUORIDE; SODIUM STANNATE; SODIUM STEARATE; SODIUM SULPHANTIMONIATE; SODIUM SULPHATE; SODIUM SULPHIDE; SODIUM SULPHITE; SODIUM SULPHOCYANIDE; SODIUM TARTRATE; SODIUM TETROXALATE; SODIUM TUNGSTATE; ARROWROOT STARCH; CASSAVA STARCH; CORN-STARCH; IODIZED STARCH; POTATO STARCH; RICE STARCH; SOLUBLE STARCH; WHEAT STARCH; STRONTIUM ACETATE; STRONTIUM BROMIDE; STRONTIUM CARBONATE; STRONTIUM CHLORATE; STRONTIUM CHLORIDE; STRONTIUM HYDRATE; STRONTIUM NITRATE; STRONTIUM OXALATE; STRONTIUM OXIDE; STRONTIUM PHOSPHATE; STRONTIUM SULPHATE; STRONTIUM SULPHIDE; SULPHUR; SULPHUR CHLORIDE; SULPHUR DIOXIDE; SULPHUR IODIDE; TALCUM; TELLURIUM; TETRACHLORIDE; LITMUS PAPER; COCHINEAL PAPER; CONGO RED PAPER; LEAD ACETATE PAPER; METHYL ORANGE PAPER; POTASSIUM IODIDE PAPER; POTASSIUM IODIDE STARCH PAPER; STARCH PAPER; TURMERIC PAPER; THERMIT; THORIUM NITRATE; THYMOL; TIN ACETATE; TIN AMMONIUM CHLORIDE; TIN CHLORIDE; TIN HYDRATE; TIN OXALATE; TIN OXIDE; TIN PHOSPHATE; TIN SULPHATE; TIN SULPHIDE; TITANIUM CHLORIDE; TITANIUM POTASSIUM OXALATE; TOLUOL; TOLUIDINE; TOLUIDINE ORTHO; TOLUIDINE PARA; TRIPOLI; TRYPSIN; TUNGSTEN OXIDE; ULTRAMARINE BLUE; URANIUM ACETATE; URANIUM NITRATE; URANIUM OXIDE; UREA; UREASE; URETHANE; VANILLIN; BEESWAX; CARNAUBA WAX; CERESINE WAX; MINERAL WAX; WHITING; XYLOL; ZINC ACETATE; ZINC AMALGAM; ZINC ARSENITE; ZINC BROMATE; ZINC BROMIDE; ZINC CARBONATE; ZINC CHLORIDE; ZINC CHROMATE; ZINC HYDRATE; ZINC IODIDE; ZINC NITRATE; ZINC OXALATE; ZINC OXIDE; ZINC PERMANGANATE; ZINC PEROXIDE; ZINC PHOSPHATE; ZINC PHOSPHIDE; ZINC STEARATE; ZINC SULPHATE; ZINC SULPHIDE; ZINC TARTRATE.

Claims use since 1909.

Ser. No. 523,693. M. D. LABORATORY, Muskogee, Okla. Filed June 6, 1947.

SULFASOL

FOR COMPOSITION FOR THE TREATMENT OF THE SCALP.
Claims use since March 1946.

Ser. No. 523,979. GEORGE L. NICHOLAS, doing business as The Medicine Chest, Indianapolis, Ind. Filed June 11, 1947.

VELVA-LAX

The word "Lax" is disclaimed apart from the mark shown.
FOR LAXATIVES.
Claims use since June 2, 1946.

Ser. No. 524,730. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed June 24, 1947. Under section 5b of the act of 1905 as amended in 1920.

SHERWIN-WILLIAMS

FOR INSECTICIDES, FUNGICIDES, HERBICIDES, GERMICIDES, DISINFECTANTS, PESTICIDES, INTERMEDIATES, FOR USE IN ORGANIC SYNTHESIS IN THE PRODUCTION OF PHARMACEUTICALS, DYES, DYESTUFFS AND OTHER ARTIFICIAL PRODUCTS; CASTOR OIL AND DEHYDRATED CASTOR OIL; DYES AND DYESTUFFS FOR GENERAL USE IN THE INDUSTRIAL ARTS; AND SOAPS FOR USE (OTHER THAN AS DETERGENTS) IN THE CHEMICAL AND OTHER INDUSTRIAL ARTS AS DISPERSING AGENTS, WETTING AGENTS, FLOCCULATING AGENTS AND EXTENDERS AND SUBSTRATA FOR PIGMENTS AND DYESTUFFS.
Claims use since 1902.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 517,884. ATLAS OVERHEAD DOOR COMPANY, Quakertown, Pa. Filed Feb. 21, 1947.



The words "Overhead Doors" are disclaimed apart from the mark.
FOR DOORS OF THE OVERHEAD TYPE, EITHER MANUALLY OR AUTOMATICALLY OPERATED.
Claims use since Jan. 17, 1946.

CLASS 13

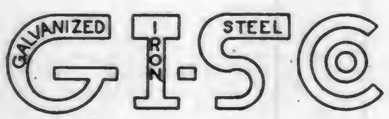
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 486,012. U. S. AUTOMATIC CORPORATION, Amherst, Ohio. Filed July 19, 1945.



The word "Automatic" is disclaimed apart from the mark. The drawing is lined to indicate the colors red and blue.
FOR SCREW MACHINE PRODUCTS—NAMELY, SCREW DRIVER TYPE TIRE VALVE BLADES, HOSE COUPLING BODIES, COUPLER BODIES FOR HOSE AND PIPE, STANDARD PIPE UNION BODIES, BOLTS, TANK BOSSES, STANDARD PIPE REDUCER BUSHINGS, TIRE INFLATING DEVICE CAPS, VALVE CASINGS, ELBOWS FOR USE AS FLUID AND GAS CONDUITS, SPRING GUIDES, CAP NUTS, CASTLE NUTS, ELASTIC STOP LOCKING NUTS, GLAND NUTS, SLOTTED NUTS, TIRE VALVE PARTS, PINS, DOOR HINGE PINS, VALVE INSERT PINS, WINDOW SASH LATCH HANDLE PIVOT PINS, BOSS COVER PLATES, OIL PIPE PLUGS, OIL STRAINER PLUGS, SEAT BALL CHECK RETAINERS, RIVETS, SCREWS, CHECK VALVE BODY SCREWS, FLAT FILLISTER SCREWS, MACHINE SCREWS, ROUND HEAD SCREWS, VALVE STEMS, CIRCULAR SEAL VALVE STEMS, RINGTOP VALVE STEMS, STUDS, GLOBE VALVE BODY STUDS, LEVELLING STUDS, TURNBUCKLE STUDS, PARTS OF NON-MECHANICAL VALVES, CONVERTER VALVES, LOCK DISCHARGE VALVES, IMPELLER RIVET WASHERS, METAL WASHERS, MOLDED CUP WASHERS, AND SPHERICAL WASHERS
Claims use since June 24, 1942.

Ser. No. 503,978. ERROL P. D'AZZO, New York, N. Y. Filed June 15, 1946.



The words "Galvanized," "Iron," and "Steel" are disclaimed apart from the mark.
FOR GALVANIZED BARS FOR STORE AWNINGS.
Claims use since June 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 519,694. RADIRON CORPORATION, Miamisburg, Ohio. Filed Mar. 27, 1947.



FOR ELECTRIC TOASTERS.
Claims use since Jan. 21, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 509,941. KAY PRODUCTS COMPANY, Cincinnati, Ohio. Filed Sept. 28, 1946.

DOODLE-STIX

Applicant disclaims the use of the word "Stix" excepting in the particular combination shown.
FOR GAME PLAYED WITH SOCKETED PIECES IN WHICH ALL MANNER OF CRYSTAL SHAPES CAN BE MADE OR DEMONSTRATED.
Claims use since Sept. 5, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 506,196. PHILLIPS MANUFACTURING COMPANY, Chicago, Ill. Filed July 24, 1946.

Vapo-Kleen

The term "Kleen" is disclaimed apart from the mark.
FOR DEGREASING APPARATUS WHICH VAPOR IS PASSED ABOUT METAL OBJECTS FOR DISSOLVING GREASE THEREON.
Claims use since July 3, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 510,663. DOMINANT, INCORPORATED, Attleboro, Mass. Filed Oct. 11, 1946.

DOMINANT

FOR WATCH ATTACHMENTS AND BRACELETS, NOT INCLUDING WATCHES.
Claims use since Nov. 1, 1945.

Ser. No. 524,948. CAMPUS JEWELRY PRODUCTS, INC., Providence, R. I. Filed June 27, 1947.

Campus

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, COLLAR-HOLDERS, COLLAR-PINS, COLLAR-BUTTONS, TIE-SLIDES, TIE-HOLDERS, CUFF-LINKS, SHIRT-STUDS, DRESS-SETS, KEY-CHAINS, SPORT-CHAINS, LAPEL-CHAINS, WALDEMAR-CHAINS, DICKENS-CHAINS, AND VEST-CHAINS, POCKET-KNIVES, BUCKLES, AND PENCIL CLIPS, MADE WHOLLY OR IN PART OF, OR PLATED WITH PRECIOUS METAL.
Claims use since June 1, 1937.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 508,487. METLOX MANUFACTURING COMPANY, Manhattan Beach, Calif. Filed Sept. 4, 1946.

Camellia



FOR EARTHENWARE DINNER WARE.
Claims use since July 24, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 522,074. DAVID R. DENIS, Winnetka, Ill. Filed May 8, 1947.

NUMISMOUNT

FOR DISPLAY MOUNTING FOR COINS.
Claims use since Feb. 1, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 522,889. WELCOME WAGON SERVICE COMPANY, INC., New York, N. Y. Filed May 23, 1947.

Baby Time

FOR PRINTED FOLDERS REGULARLY DISTRIBUTED BY APPLICANT AND ITS AGENTS.
Claims use since November 1939.

Ser. No. 524,739. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed June 24, 1947. Under 10-year proviso.

SHERWIN-WILLIAMS

FOR COLOR CHIP COMPILATIONS AND PRINTED PUBLICATIONS ISSUED FROM TIME TO TIME.
Claims use since 1880.

CLASS 39

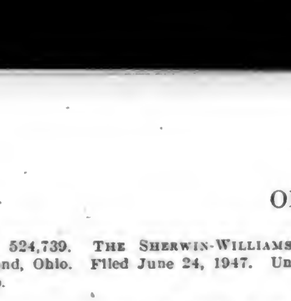
CLOTHING

Ser. No. 504,316. SAMUEL BERGER, doing business as Montauk Shirt Company, New York, N. Y. Filed June 21, 1946.

Montauk

FOR MEN'S DRESS SHIRTS, SPORTSWEAR—NAMELY, SPORT SHIRTS AND SLACKS, AND PAJAMAS.
Claims use since Feb. 26, 1946.

Ser. No. 505,570. WILLIAM M. FRAZIN, doing business as Wm. M. Frazin Company, Chicago, Ill. Filed July 13, 1946.



The drawing is lined for the color yellow.
FOR NECKTIES.
Claims use since May 25, 1946.

Ser. No. 519,562. ASKIN AND ASKIN, Baltimore, Md. Filed Mar. 26, 1947.



Da-Mil

FOR MEN'S, LADIES', INFANTS', AND CHILDREN'S HOSIERY, UNDERWEAR, HANDKERCHIEFS, AND SPORTSWEAR—NAMELY, SWEATERS, SPORT-SHIRTS, BASQUE SHIRTS, BATHING TRUNKS, AND SLACK SUITS.
Claims use since July 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 526,207. THE "DYNAMO" TULLE IMPORTING CO., INC., New York, N. Y. Filed July 4, 1947.

DYNAMO

FOR TULLES, MUSLINS, CREPES, SILKS, VEILINGS, AND NETTINGS, BEING PIECE GOODS AND VEILS.
Claims use since July 10, 1908.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 521,483. SPEAR MILLS, INC., Kansas City, Mo. Filed Apr. 28, 1947.



Applicant owns registration No. 196,490.
FOR ANIMAL AND POULTRY FEEDS—NAMELY, CATTLE AND HOG CONCENTRATE, SOW AND PIG MEAL, PIG SLOPPER, PIG AND HOG FATTENER FEED, CHICK AND TURKEY MASH, GRANULES AND PELLETS, EGG MASH AND PELLETS, CHICK AND TURKEY GROWING MASH AND PELLETS, CHICK AND TURKEY MASH WITH WORM CONTROL, CHICKEN SCRATCH GRAIN, RABBIT PELLETS, DOG FOOD, HORSE AND MULE FEED, DAIRY AND CALF FEED.
Claims use since Oct. 10, 1924.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 508,501. VESTAL LUMBER & MANUFACTURING COMPANY, Knoxville, Tenn. Filed May 3, 1948.



FOR LOGS AND WOOD INTENDED FOR USE AS SAWMILL MATERIAL.
Claims use since Sept. 28, 1901.

Ser. No. 513,445. MONARCH LEATHER COMPANY, Chicago, Ill. Filed Aug. 8, 1947.

EXETER

FOR LEATHER.
Claims use since February 1927.

Ser. No. 513,447. MONARCH LEATHER COMPANY, Chicago, Ill. Filed Aug. 8, 1947.

OXFORD

FOR LEATHER.
Claims use since February 1927.

Ser. No. 526,644. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed July 5, 1947.

KRALAC

FOR THERMOPLASTIC RESINS FOR MOLDING AND FORMING.
Claims use since Feb. 24, 1947.

Ser. No. 528,307. NORTHRUP, KING & CO., Minneapolis, Minn. Filed July 11, 1947. Under Section 2f of the act of 1946.

ANDES

FOR ALFALFA SEED.
Claims use since Sept. 1, 1941.

Ser. No. 529,001. FRANKLIN COUNTY COAL CORPORATION, Chicago, Ill. Filed July 21, 1947.



The vertical lines appearing behind the word, "Royalton," are for shading only. The words "Ask for" and "Quality Coal" are disclaimed as a part of the mark as shown. Applicant claims ownership of registration No. 108,737.
FOR BITUMINOUS COAL.
Claims use since 1924.

Ser. No. 533,442. CHICK BED COMPANY, Cedar Rapids, Iowa. Filed July 5, 1947.

CHICK-BED

Applicant claims ownership of registration No. 393,216.
FOR DIATOMACEOUS EARTH FOR USE AS SURFACE COVERING IN POULTRY YARDS.
Claims use since Aug. 7, 1941.

CLASS 2

RECEPTACLES

Ser. No. 527,760. A. O. SMITH CORPORATION, Milwaukee, Wis. Filed July 5, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of registration No. 421,119.
FOR CONTAINERS FOR THE STORAGE OF LIQUIDS AND GAS—NAMELY, WELDED STEEL TANKS AND

WELDED STORAGE PRESSURE VESSELS OF ROLLER PLATE STOCK, TANKS PROTECTED FROM CORROSION BY AN ALLOY STEEL, CERAMIC ENAMEL OR GALVANIZED LINING, AND SILO-LIKE CERAMIC ENAMEL COATED STRUCTURES FOR THE STORAGE OF GREEN FORAGE CROPS, DEHYDRATED ANIMAL FEED AND FOODSTUFFS FOR HUMAN CONSUMPTION.

Claims use since Jan. 6, 1941.

Ser. No. 537,690. THE HEIL CO., Milwaukee, Wis. Filed Oct. 13, 1947. Under section 2f of the act of 1946.

THE HEIL CO.

The abbreviation "Co." is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 275,655.

FOR STORAGE TANKS.

Claims use since 1902.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 541,290. S. & G. GUMP COMPANY, San Francisco, Calif. Filed Nov. 15, 1947. Under section 2f of the act of 1946.

GUMP'S

FOR BROCADE BAGS, PURSES, BILLFOLDS.

Claims use since Feb. 2, 1932.

Ser. No. 541,738. THE BURKHARDT COMPANY, Detroit, Mich. Filed Sept. 17, 1947.

visi-kit

The word "Kit" is disclaimed apart from the mark. Applicant claims ownership of registration No. 397,891.

FOR DISPLAY TYPE LOOSE-LEAF PORTFOLIOS.

Claims use since July 24, 1940.

Ser. No. 541,739. THE BURKHARDT COMPANY, Detroit, Mich. Filed Sept. 17, 1947.

ZIP-A-KIT

The word "Kit" is disclaimed apart from the mark. Applicant claims ownership of registration No. 362,623.

FOR PORTFOLIOS AND LOOSE LEAF BINDER EQUIPPED PORTFOLIOS.

Claims use since June 22, 1938.

Ser. No. 548,527. THE ROBBINS COMPANY, Attleboro, Mass. Filed Jan. 31, 1948.

KENNEL KLUB

FOR ANIMAL EQUIPMENT—NAMELY, IDENTIFICATION TAG HOLDERS FOR DOGS, CHAINS AND LEASHES.

Claims use since Sept. 5, 1947.

Ser. No. 549,911. S. DRESNER & SON, INC., Chicago, Ill. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

S DRESNER

Applicant claims ownership of registration No. 285,890.

FOR HAND LUGGAGE: GLADSTONE BAGS; CLUB BAGS, COAT CASES, OVERNIGHT CASES; WARDROBE CASES; HAT AND SHOE BOXES; PULLMAN CASES; TRAY CASES; UTILITY CASES; TRAIN CASES; AND OVERSEAS CASES.

Claims use on Gladstone Bags, Club Bags, Coat Cases, and Overnight Cases since January 1923; and on Wardrobe Cases, Hat and Shoe Boxes, Pullman Cases, Tray Cases, Utility Cases, Train Cases, and Overseas Cases since 1936.

Ser. No. 549,953. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis. Filed Feb. 17, 1948.



The trade-mark consists of a representation of an Indian standing above a plurality of horizontally disposed alternating red and yellow stripes or bands as indicated by the lining shown on the drawing. Applicant claims ownership of registrations Nos. 109,228 and 214,178.

FOR TRUNKS: DRESS; CABIN OR STEAMER; SHOE, SHIRTWAIST, AND HAT; WARDROBE; SHOE OR BOOT; AND HAT TRUNKS; HAND LUGGAGE: OVERNIGHTS; WARDROBES, PULLMANS; HAT AND SHOE CASES; TAXI WARDROBES; OVERSEAS CASES; AND TRAIN OR MAKE-UP BOXES.

Claims use since October 1925 on trunks; and since October 1928 on hand luggage.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 514,028. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed July 14, 1947.



FOR DETERGENTS FOR WASHING, SCOURING AND CLEANSING ALL KINDS OF TEXTILE MATERIALS IN ALL CONDITIONS AND STAGES OF MANUFACTURE; FOR WASHING, SCOURING AND CLEANSING HIDES, LEATHER, METALS, MACHINERY, PAINTED AND LACQUERED SURFACES, OIL WELLS; AND FOR HOUSEHOLD USE.

Claims use since Nov. 8, 1946.

Ser. No. 531,028. GREAT STUFF PRODUCTS, INC., Minneapolis, Minn. Filed Aug. 11, 1947.

DOUBLE Q

FOR SOAP.

Claims use since 1930.

Ser. No. 535,974. LUCIEN LELONG, INC., Chicago, Ill. Filed Sept. 27, 1947.

Tempest

FOR SOAP.

Claims use since Sept. 10, 1947.

Ser. No. 539,418. HYDRO-CHEMICAL COMPANY INCORPORATED, East Hartford, Conn. Filed Oct. 29, 1947.

HYDRO-TAC

FOR ANTISLIPPING PREPARATIONS APPLIED TO THE FINGERS OR THE HANDS TO PREVENT SLIPPING OF ANYTHING TOUCHED OR GRASPED BY THE FINGERS OR HANDS OR MAY BE APPLIED TO AN IMPLEMENT TO BE GRASPED.

Claims use since Aug. 29, 1947.

Ser. No. 554,093. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Apr. 8, 1948.

CLOVER FARM

Applicant claims ownership of registrations Nos. 316,286 and 290,469.

FOR WALL PAPER CLEANER, RUG SHAMPOO, DRY CLEANER, PAINT CLEANER, TOILET SOAP, LAUNDRY SOAP, GRANULATED SOAP, SOAP CHIPS, AND A POWDER FOR CLEANSING, SCOURING AND POLISHING.

Claims use since 1882.

Ser. No. 561,891. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed July 22, 1948.

BOMBER

FOR INORGANIC DETERGENT HAVING WATER SOFTENING PROPERTIES FOR GENERAL WASHING PURPOSES.

Claims use since Nov. 16, 1942.

Reg. No. 561,893. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed July 22, 1948.

DREADNAUGHT

FOR INORGANIC DETERGENT HAVING WATER SOFTENING PROPERTIES FOR GENERAL WASHING PURPOSES.

Claims use since Nov. 16, 1942.

Ser. No. 561,902. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed July 22, 1948.

SAMSON

FOR INORGANIC DETERGENT HAVING WATER SOFTENING PROPERTIES ESPECIALLY FOR CLEANING DAIRY CANS.

Claims use since Oct. 1, 1947.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 495,110. WILLIAM J. STOVER, doing business as Atlas Fumigating and Exterminating Company, Detroit, Mich. Filed Mar. 10, 1948.

Atlas

FOR FUMIGATING, MOTHPROOFING, AND EXTERMINATING MATERIALS.
Claims use since Dec. 13, 1941.

Ser. No. 504,516. ROYAL SOUDERS, INC., Dayton, Ohio. Filed July 26, 1947. Under section 2f of the act of 1946.

SOUDERS

Applicant claims ownership of registration No. 58,847.
FOR HOUSEHOLD DRUGS—NAMELY, CASTOR OIL, SPIRITS OF CAMPHOR, CAMPHORATED OIL, GLYCERIN, FOOD COLORS, MINERAL OIL FOR MEDICINAL PURPOSES, AND COUGH SYRUPS.
Claims use since 1906 on castor oil, spirits of camphor, camphorated oil, glycerin and food colors; and since 1936 on mineral oil and cough syrup.

Ser. No. 509,222. LANSELLE PARFUMEUR S. A. R. L., Paris, France. Filed Sept. 13, 1947. Under section 2f of the act of 1946.

Lanselle

Applicant claims ownership of French registration No. 301,273 dated May 17, 1935.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK AND FACE CREAM.

Ser. No. 509,250. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Apr. 15, 1948.

MACROSE

FOR HYDROLYZED POLYSACCHARIDE USED AS A PLASMA SUBSTITUTED IN FLUID REPLACEMENT THERAPY.
Claims use since July 9, 1946.

Ser. No. 524,284. ANATOLE ROBBINS, INC., doing business as Anatole Robbins, Los Angeles, Calif. Filed Dec. 2, 1947. Under section 2f of the act of 1946.

Countess Isserlyn

The name "Countess Isserlyn" is merely fanciful.
FOR LIQUID MAKE-UP PREPARATION FOR THE FACE, ALSO USED AS A POWDER BASE.
Claims use since Apr. 14, 1942.

Ser. No. 526,592. PUBLICKER INDUSTRIES INC., Philadelphia, Pa. Filed July 5, 1947.

Paco

FOR RIBOFLAVIN SUPPLEMENT FOR POULTRY AND LIVE STOCK FEEDS.
Claims use since June 1940.

Ser. No. 528,268. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed July 10, 1947. Under section 2f of the act of 1946.

ANTHRACYANINE

Applicant claims ownership of registration No. 188,564.
FOR DYES AND DYESTUFFS.
Claims use since Feb. 23, 1904.

Reg. No. 532,890. VILLAREAL SOCIETE CHERIFIENNE DE PARFUMS (SOCIETE ANONYME), Casablanca, Morocco. Filed Aug. 29, 1947.

VILLAREAL

Applicant claims ownership of Moroccan registration No. 7,340.
FOR PERFUMES, TOILET WATER, COLOGNE, SKIN LOTION, FACE CREAM, FACE POWDER, EYE SHADOW, ROUGE, LIPSTICK, BRILLIANTINE, DENTIFRICES.

Ser. No. 537,541. SPERTI, INC., Cincinnati, Ohio. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

SPERTI

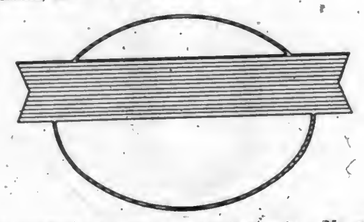
Applicant claims ownership of registration No. 405,718.
FOR OINTMENT OR MEDICAMENT FOR USE IN THE TREATMENT OF BURNS AND WOUNDS.
Claims use since June 15, 1942.

Ser. No. 538,040. FRANCES JEANENE ROBINSON, doing business as Jeanene Robinson Preparations, Ely, Nev. Filed Oct. 16, 1947.

Ha-Gan

FOR CHEMICAL PREPARATION USED IN THE TREATMENT OF THE HAIR AND SCALP.
Claims use since Sept. 18, 1947.

Ser. No. 540,850. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich. Filed Nov. 12, 1947.



The drawing is lined for shading only. No claim is made to color.
FOR INSECTICIDES IN POWDER FORM USED FOR THE CONTROL OF INSECTS; CHEMICALS FOR KILLING NOXIOUS WEEDS AND PLANTS AND LIQUID CHEMICAL COMPOSITIONS FOR USE AS AN INSECTICIDE.
Claims use since July 15, 1945, on an insecticide in powder form used for the control of insects; since Mar. 29, 1946, for chemicals for killing noxious weeds and plants; and since Nov. 29, 1946, on liquid chemical composition for use as an insecticide.

Ser. No. 542,536. CONSOLIDATED COSMETICS, Chicago, Ill., assignor to Consolidated Cosmetics, Chicago, Ill., a partnership composed of James L. Younghusband and Howard Younghusband. Filed Nov. 28, 1947.

DESIGNER

FOR PERFUME, COLOGNE, DEODORANT, LIPSTICK, FACE POWDER, BRILLIANTINE, HAND LOTION, AND BODY SACHET.
Claims use since Oct. 2, 1947.

Ser. No. 543,758. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Dec. 8, 1947.

PIONEER

Applicant claims ownership of registration No. 251,787.
FOR SULPHUR.
Claims use since Oct. 15, 1927.

Ser. No. 546,757. JOSE B. CALVA, doing business as J. B Calva and Company, Minneapolis, Minn. Filed Jan. 12, 1948.

Lustrasilk

FOR SHAMPOO, A PREPARATION TO SET THE CONFIGURATION OF THE HAIR, AND HAND AND SCALP CREAMS FOR PROTECTING AND SOFTENING THE SKIN.
Claims use since Nov. 28, 1947.

Ser. No. 546,812. ACCURACY RIG TOOL COMPANY, Houston, Tex. Filed Jan. 13, 1948.

KEMBREAK

FOR SOLUBLE SALT FOR USE IN THE PREPARATION AND TREATMENT OF WELL DRILLING FLUIDS.
Claims use since Aug. 31, 1947.

Ser. No. 547,392. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

J

Applicant claims ownership of registration No. 80,946.
FOR SILICATE OF SODA.
Claims use since 1870.

Ser. No. 547,393. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

M

Applicant claims ownership of registration No. 80,947.
FOR SILICATE OF SODA.
Claims use since 1870.

Ser. No. 547,394. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

N

Applicant claims ownership of registration No. 80,948.
FOR SILICATE OF SODA.
Claims use since 1870.

Ser. No. 547,395. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

O

Applicant claims ownership of registration No. 80,949.
FOR SILICATE OF SODA.
Claims use since 1870.

Ser. No. 547,396. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

PQ

The conventional color lining in the drawing merely represents shading. Applicant claims ownership of registration No. 275,244.
FOR SILICATE OF SODA AND SILICATE OF POTASH EITHER ALONE OR IN ADMIXTURE WITH OTHER CHEMICALS.
Claims use since Mar. 2, 1929.

Ser. No. 547,397. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

S

Applicant claims ownership of registration No. 81,099.
FOR SILICATE OF SODA.
Claims use since 1870.

Ser. No. 547,399. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

STAR BRAND

Applicant claims ownership of registration No. 79,519.
FOR SILICATE OF SODA.
Claims use since 1895.

Ser. No. 547,400. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

U

Applicant claims ownership of registration No. 80,950.
FOR SILICATE OF SODA.
Claims use since 1870.

Ser. No. 547,698. CARON CORPORATION, New York, N. Y. Filed Jan. 22, 1948.

ROYAL BAIN DE CHAMPAGNE

Applicant disclaims the word "Paris" apart from the mark as shown. Applicant claims ownership of registrations Nos. 164,476, 179,333, 181,205, 194,002 and 197,951.
FOR PERFUME, TOILET WATER, AND PERFUMED LIQUID BATH PREPARATION FOR SCENTING AND SOFTENING THE WATER.
Claims use since 1943.

Ser. No. 548,258. HYGIENIC PRODUCTIONS INC., Wilmington, Ohio. Filed Jan. 29, 1948.

HP PRESENTS

FOR PHARMACEUTICAL PREPARATIONS—NAMELY, HYGIENIC POWDER, VAPOR SALVE USED AS AN INHALANT, ANTISEPTIC SOLUTION, MUSCLE RUB LINIMENT AND ALKALINE ANALGESIC POWDER CONTAINING SODIUM, MAGNESIUM AND CALCIUM SALICYLATES.
Claims use since June 1, 1947.

Ser. No. 548,259. HYGIENIC PRODUCTIONS INC., Wilmington, Ohio. Filed Jan. 29, 1948.

MOM 'n' DAD BRAND

The word "Brand" is disclaimed apart from the mark.
FOR PHARMACEUTICAL PREPARATIONS—NAMELY, HYGIENIC POWDER, VAPOR SALVE USED AS AN INHALANT, ANTISEPTIC SOLUTION, MUSCLE RUB LINIMENT AND ALKALINE ANALGESIC POWDER CONTAINING SODIUM, MAGNESIUM AND CALCIUM SALICYLATES.
Claims use since Dec. 30, 1947.

Ser. No. 548,287. PHARMACEUTICALS, INC., Los Angeles, Calif. Filed Jan. 29, 1948.

Pyo-Pheno-Chon

FOR IODOPHENOLS IN A GELATINOUS BASE INDICATED IN THE TREATMENT OF TRENCH MOUTH, GINGIVITIS, PYORRHEA, AND ORAL SURGERY.
Claims use since Oct. 28, 1947.

Ser. No. 549,042. ANHEUSER-BUSCH, INC., St. Louis, Mo. Filed Feb. 7, 1948.

ABINCO

FOR MODIFIED (I. E., ORIDIZED OR CHLORINATED) STARCH FOR INDUSTRIAL USE.
Claims use since June 13, 1947.

Ser. No. 549,086. RAYMOND LABORATORIES, INC., St. Paul, Minn. Filed Feb. 7, 1948.

G. D. T.

FOR PREPARATIONS FOR THE TREATMENT OF HAIR INCLUDING HAIR LOTIONS, HAIR SHAMPOOS, AND HAIR DRESSINGS.
Claims use since June 11, 1946.

Ser. No. 549,106. AMPHAC LABORATORIES, INC., Everett, Wash. Filed Feb. 9, 1948.

Florange Gum

The word "Gum" is disclaimed apart from the mark.
FOR MEDICINAL PREPARATION FOR USE IN THE PREVENTION OF DENTAL CARIES.
Claims use since Jan. 4, 1948.

Ser. No. 549,514. LILLIAN COOPER COSMETICS, LTD., New City, N. Y. Filed Feb. 12, 1948.

Katydid

FOR LIPSTICK AND CREAM ROUGE.
Claims use since Sept. 1, 1947.

Ser. No. 550,107. WHITEHALL PHARMACAL COMPANY, New York, N. Y. Filed Feb. 18, 1948.

TASSID

FOR ANTACID PREPARATION.
Claims use since Jan. 15, 1948.

Ser. No. 550,226. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed Feb. 20, 1948.

Golden Key

Applicant claims ownership of registration No. 200,998.
FOR ANTISEPTIC MEDICATED CREAM.
Claims use since May 1, 1942.

Ser. No. 550,228. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed Feb. 20, 1948.

Golden Key

Applicant claims ownership of registration No. 200,998.
FOR ANTISEPTIC ASTRINGENT MOUTH WASH.
Claims use since Dec. 4, 1942.

Ser. No. 550,229. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed Feb. 20, 1948.

Golden Key

Applicant claims ownership of registration No. 200,998.
FOR TOOTH POWDER.
Claims use since May 24, 1935.

Ser. No. 550,690. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed Feb. 27, 1948.

Golden Key

Applicant claims ownership of registration No. 200,998.
FOR LINIMENT.
Claims use since Oct. 1, 1938.

Ser. No. 550,835. SEEQIT, INCORPORATED, New York, N. Y. Filed Feb. 28, 1948.

SEEQIT

Applicant claims ownership of registration No. 233,055.
FOR MEDICINAL TABLETS FOR USE BY WOMEN IN RELIEVING MENSTRUAL PAIN.
Claims use since May 24, 1927.

Ser. No. 550,911. JORGE GIMENEZ, Catano, Puerto Rico. Filed Mar. 1, 1948. Under section 2f of the act of 1946.

EMULSION GIMENEZ

The word "Emulsion" is disclaimed apart from the mark.
FOR MEDICINE CONTAINING COD LIVER OIL AND EXTRACT OF IPECACUANA COMBINED IN AN EMULSION FOR THE TREATMENT OF AND AS AN AID FOR THE RELIEF OF COUGHS DUE TO COLDS.
Claims use since Aug. 16, 1923.

Ser. No. 552,080. PATRICK AND HUDSON DRUG CO., Bladensburg, Md. Filed Mar. 16, 1948.

ASCRIN

FOR MEDICINAL OINTMENT FOR THE TREATMENT OF PSORIASIS, RINGWORM, ECZEMA, ACNE, ATHLETE'S FOOT, JUNGLE ROT, AND SIMILAR SKIN IRRITATIONS:
Claims use since July 1, 1947.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 525,382. OAKES & COMPANY, Chicago, Ill. Filed Dec. 12, 1947.

EARMITT

FOR AIR RIFLES, GUN CARRIAGES, CARTRIDGES, GUN CASES, HOLSTERS, LOADED SHELLS, PISTOLS, PISTOL CASES, REVOLVERS, HUNTING RIFLES, SHOT GUNS, AND IRON SIGHTS FOR FIREARMS.
Claims use since May 22, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 531,249. J. H. SHEPHERD SON & COMPANY, Elyria, Ohio. Filed Aug. 13, 1947.

POLY-TILE

The word "Tile" is disclaimed apart from the mark.
FOR PLASTIC WALL TILE.
Claims use since July 1, 1947.

Ser. No. 539,932. BOYLE-MIDWAY INC., Jersey City, N. J. Filed Nov. 3, 1947. Under section 2f of the act of 1946.

Old English

FOR CRACK FILLER OF THE NATURE OF PUTTY.
Claims use since Jan. 31, 1934.

Ser. No. 542,311. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa. Filed Nov. 25, 1947.

CORALITE

Applicant claims ownership of registration No. 269,080.
FOR FIRE BRICK.
Claims use since Feb. 6, 1928.

Ser. No. 543,312. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Dec. 4, 1947.

VIKING

FOR FIREBRICK.
Claims use since Oct. 1, 1930.

Ser. No. 548,226. AMERICAN MILLWORK COMPANY, New Hyde Park, Long Island, N. Y. Filed Jan. 29, 1948.

PERMALUM

FOR ALL-ALUMINUM COMBINATION SCREEN AND WINDOW.
Claims use since Nov. 3, 1947.

Ser. No. 549,097. UNITED STATES PLYWOOD CORPORATION, New York, N. Y. Filed Feb. 7, 1948.

KORINA

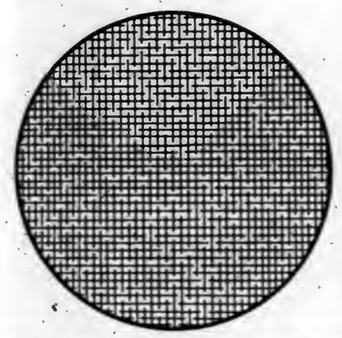
FOR PLYWOOD.
Claims use since Jan. 30, 1948.

Ser. No. 549,103. ALSIDE, INC., Akron, Ohio. Filed Feb. 9, 1948.

Alside

FOR METALLIC LAP SIDING FOR BUILDINGS.
Claims use since Dec. 20, 1947.

Ser. No. 549,122. HENRY J. CONDO, Raritan, N. J. Filed Feb. 9, 1948.



The drawing is lined to indicate the color yellow.
FOR CONCRETE BLOCKS AND CONCRETE CINDER BLOCKS.
Claims use since Sept. 5, 1947.

Ser. No. 549,924. PAUL A. GSTALDER, doing business as Tru-Tye Bridging Co., Gibsonia, Pa. Filed Feb. 17, 1948.

TRU-TYE

FOR METAL BRIDGING FOR FLOOR JOISTS AND THE LIKE.
Claims use since July 26, 1939.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 517,991. GLASCOTE PRODUCTS, INC., Cleveland, Ohio. Filed Aug. 19, 1947.

GLASCOTE

Applicant claims ownership of registrations Nos. 151,136, 243,975, 403,220, 403,367, 404,486, and 404,182.
FOR PIPE MADE OF METAL, PIPE FITTINGS, FLUID SHUT OFF VALVES, AND PRESSURE RELIEF VALVES.
Claims use since January 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 518,277. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio. Filed Nov. 5, 1947.



The drawing is shaded to represent the colors blue, silver, and yellow. The portions shaded by horizontal lines are blue, the closely shaded portions being darker blue, and the more widely shaded portions being pale blue.

FOR METALLIC FITTINGS AND ALLOYS INCLUDING ANODE RODS FOR PREVENTING CORROSION OF TANKS, LIQUID CONTAINERS AND WATER HEATERS.

Claims use since Feb. 22, 1946.

Ser. No. 520,666. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Feb. 3, 1948.



Applicant claims ownership of registrations Nos. 404,752, 404,753, 404,754, 404,755, 409,919, 410,556, and 434,630.

FOR CASTINGS AND FORGINGS MADE OF CARBON STEEL, MANGANESE STEEL AND IRON; WELDING RODS; RAILROAD FROGS, CROSSINGS, GAUGE RODS, GUARD RAILS; GUARD RAIL CLAMPS, GUARD RAIL PLATES, AND SWITCH RODS, PLATES AND BRACES.

Claims use since Feb. 18, 1947.

Ser. No. 531,732. WALTER H. SIMMONS, doing business as Welding Sales and Engineering Company, Detroit, Mich. Filed Aug. 18, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of registration No. 385,711.

FOR METAL ALLOYS FOR USE IN SPOT WELDING.

Claims use since Mar. 24, 1939.

CLASS 15

OILS AND GREASES

Ser. No. 536,716. SKELLY OIL COMPANY, Kansas City, Mo. Filed Oct. 3, 1947.

TAGOLENE

FOR LUBRICATING OILS.

Claims use since Sept. 20, 1922.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 533,238. JOSE ESCALANTE & Co., Chicago, Ill. Filed Aug. 30, 1947.



FOR CIGARS.

Claims use since 1936.

Ser. No. 533,240. JOSE ESCALANTE & Co., Chicago, Ill. Filed Aug. 30, 1947.



FOR CIGARS.

Claims use since 1908.

Ser. No. 533,245. JOSE ESCALANTE & Co., Chicago, Ill. Filed Aug. 30, 1947.



FOR CIGARS.

Claims use since 1900.

Ser. No. 533,246. JOSE ESCALANTE & Co., Chicago, Ill. Filed Aug. 30, 1947.



FOR CIGARS.

Claims use since 1902.

Ser. No. 536,914. P. LORILLARD COMPANY, New York, N. Y. Filed Oct. 6, 1947. Under section 2f of the act of 1946.

INDIA HOUSE

FOR SMOKING TOBACCO.

Claims use since March 1940.

Ser. No. 536,926. P. LORILLARD COMPANY, New York, N. Y. Filed Oct. 6, 1947.

EGYPTIAN DEITIES

The word "Egyptian" is disclaimed apart from the mark. The drawing is lined for the color gold. Applicant claims ownership of registration No. 437,302.

FOR CIGARETTES.

Claims use since 1893.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 528,576. MOORE-MONTROY ELECTRIC CO., Los Angeles, Calif. Filed July 14, 1947.

Royalux

FOR ELECTRIC LIGHTING FIXTURES AND LUMINOUS SIGNS.

Claims use since May 1, 1947.

Ser. No. 528,916. ELECTRO MANUFACTURING CORPORATION, Chicago, Ill. Filed July 19, 1947. Under section 2f of the act of 1946.

SOFT-GLO

Applicant claims ownership of registration No. 387,807.

FOR ELECTRIC BED LAMPS.

Claims use since Dec. 12, 1939.

Ser. No. 532,617. MARKEL ELECTRIC PRODUCTS, INC., Buffalo, N. Y. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

MARKEL

FOR WALL-ATTACHED AND CEILING-ATTACHED ELECTRIC LIGHT FIXTURES AND ELECTRIC AIR HEATERS FOR DOMESTIC USE.

Claims use on wall-attached and ceiling-attached electric light fixtures since on or about July 1, 1925; and on electric air heaters for domestic use since on or about Dec. 31, 1926.

Ser. No. 534,063. EDWARD F. STAVER, doing business as Staver Mfg. Co., Jackson Heights, N. Y. Filed Sept. 10, 1947.

MINI-SPRING

The word "Spring" is disclaimed apart from the mark shown.

FOR HOLDERS FOR RETAINING ELECTRON EMISSION TUBES USED IN RADIO RECEIVERS AND IN OTHER ELECTRONIC CIRCUITS AGAINST ESCAPE FROM TUBE SOCKETS.

Claims use since June 4, 1947.

Ser. No. 534,064. EDWARD F. STAVER, doing business as Staver Mfg. Co., Jackson Heights, N. Y. Filed Sept. 10, 1947.

MINI-SHIELD

The word "Shield" is disclaimed apart from the mark.

FOR SHIELDS FOR USE ON ELECTRON EMISSION TUBES EMPLOYED IN RADIO RECEIVERS AND IN ELECTRONIC CIRCUITS IN GENERAL.

Claims use since Apr. 3, 1947.

Ser. No. 534,563. SPEER CARBON COMPANY, Saint Marys, Pa. Filed Sept. 15, 1947.

SPEER

Applicant claims ownership of registrations Nos. 118,714, 379,691, and 379,692.

FOR ARTICLES AND PRODUCTS FOR ELECTRICAL PURPOSES AND CONSISTING EITHER WHOLLY OR IN PART OF CARBON OR GRAPHITE—NAMELY, MOTOR AND GENERATOR BRUSHES, STATIC COLLECTOR BRUSHES, ELECTRODES, TRANSMITTING AND POWER TUBE ANODES, CONTACTS, AND DISCS FOR VOLTAGE REGULATORS.

Claims use since Jan. 6, 1945.

Ser. No. 535,591. THE OKONITE COMPANY, Passaic, N. J. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

ARMORTITE

FOR ELECTRIC CABLE.

Claims use since 1931.

Ser. No. 536,829. NOMA ELECTRIC CORPORATION, doing business as K-D Lamp Division of Noma Electric Corporation, New York, N. Y., and Cincinnati, Ohio. Filed Oct. 4, 1947.

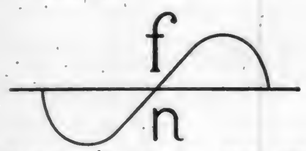


The drawing is lined for the color red. Applicant claims ownership of registration No. 142,650.

FOR AUTOMOTIVE LIGHTING AND SAFETY APPLIANCES—NAMELY, HEAD LAMPS, TAIL LAMPS, STOP LAMPS, CLEARANCE MARKER LAMPS, INTERIOR LAMPS, FOG LAMPS, SPOT LIGHTS, DIRECTIONAL SIGNAL LAMPS, AND EMERGENCY LAMPS FOR AUTOMOBILES, TRUCKS, TRAILERS AND OTHER VEHICLES.

Claims use since March 1946.

Ser. No. 537,910. LORAIN PRODUCTS CORPORATION, Lorain, Ohio. Filed Oct. 15, 1947.



FOR ELECTRICAL STATIC FREQUENCY CONVERTERS.

Claims use since Jan. 8, 1936.

Ser. No. 540,332. THE STA-WARM ELECTRIC COMPANY, Ravenna, Ohio. Filed Nov. 6, 1947. Under section 2f of the act of 1946.

Sta-Warm

Applicant claims ownership of registration No. 429,234.

FOR ELECTRICALLY HEATED APPARATUS—NAMELY, GLUE POTS, GLUE MELTERS, WAX POTS, WAX DISPENSERS, ASPHALT MELTERS, DIPPING TANKS, SOLDER POTS, CONTACT-TYPE HEAT SEALERS FOR HEAT SEALING OF BAGS AND PACKAGES, AND MELTERS CUSTOM BUILT TO CUSTOMERS' SPECIFICATIONS FOR INDUSTRIAL PROCESS HEATING AND FOR MELTING, CONVEYING, AND DISPENSING OF INDUSTRIAL COMPOUNDS, PLASTICS, AND SOFT METALS.

Claims use since Jan. 15, 1916.

Ser. No. 544,645. AEROVOX CORPORATION, New Bedford, Mass. Filed Oct. 11, 1947.

HYVOL

Applicant claims ownership of registration No. 353,398.

FOR ELECTRIC CONDENSERS.

Claims use since Aug. 1, 1937.

Ser. No. 544,921. SONOTONE CORPORATION, Elmsford, N. Y. Filed Dec. 19, 1947.

TITONE

FOR MECHANOELECTRIC ENERGY TRANSDUCERS—NAMELY, PHONOGRAPH PICK-UPS AND PARTS AND ACCESSORIES THEREOF.

Claims use since Dec. 2, 1947.

Ser. No. 545,377. AUSTIN W. LA MARCHE, Chicago, Ill. Filed Dec. 24, 1947.

Orgelectra

FOR ELECTRIC CURRENT CONVERTER FOR CONVERTING ALTERNATING CURRENT INTO DIRECT CURRENT.

Claims use since May 1, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 527,808. THE WORTHINGTON BALL COMPANY, Elyria, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

CURED COVER

FOR GOLF BALLS.

Claims use since December 1938.

Ser. No. 533,557. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Sept. 5, 1947.

P-80

FOR GOLF BALLS.

Claims use since July 15, 1947.

Ser. No. 537,366. HERBERT O. SCHLIEPHAKE, Chicago, Ill. Filed Oct. 9, 1947.

Sterling

FOR MODEL RAILROAD KITS FOR TOYS AND SETTINGS FOR MINIATURE RAILWAYS.

Claims use since Sept. 15, 1940.

Ser. No. 540,380. THE PAUL BUNYAN BAIT COMPANY, Minneapolis, Minn. Filed Nov. 7, 1947.

BLUE OX

FOR FISHING TACKLE, EQUIPMENT, AND SUPPLIES—NAMELY, SPOON HOOKS, ARTIFICIAL LURES, BOBBERS, SINKERS, ARTIFICIAL FLIES, TACKLE BOXES, AND MINNOW PAILS.

Claims use since Apr. 15, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 531,948. RALMAC CORPORATION, Grand Rapids, Mich. Filed Aug. 20, 1947.

Smoothie

FOR FOOD MIXER AND DISPENSER FOR HOUSEHOLD USE COMPRISING A BOTTLE-SHAPED CONTAINER, CLOSING CAP AND GAS CARTRIDGE.

Claims use since Oct. 3, 1945.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 517,219. UNITED STATES CLOTHESPIN COMPANY, Farmington, Maine. Filed July 16, 1947.

BULL-DOG
They have a Bull-Dog Grip
SPRING CLOTHESPINS

Applicant disclaims the representation of the clothespins and the word "Grip" and the words "Spring Clothespins" apart from the mark shown.

FOR CLOTHESPINS.

Claims use since Jan. 10, 1906.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 526,715. BACO ACCESSORIES COMPANY, Hollywood, Calif. Filed July 5, 1947.

BACO

FOR PHOTOGRAPHIC PRODUCTS—NAMELY, CAMERAS, CAMERA TRIPODS AND TRIPOD HEADS, METAL LENS BOARD, CUT FILM HOLDERS, FILM PACK ADAPTERS, ADAPTING BACKS FOR CAMERAS, FOCAL PLANE SYNCHRONIZERS, COLOR FILTERS, AND FILM DEVELOPING TANKS.

Claims use since Nov. 1, 1943.

Ser. No. 526,716. BACO ACCESSORIES COMPANY, Hollywood, Calif. Filed July 5, 1947.

BACO

FOR PHOTOGRAPHIC PRODUCTS—NAMELY, CAMERAS, CUT FILM HOLDERS, ENLARGERS, ENLARGING EASELS FOR DARK-ROOM USE, AND CAMERA CARRYING CASES.
Claims use since Oct. 3, 1945.

Ser. No. 527,970. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn. Filed July 5, 1947.

VAPORSTAT

Applicant claims ownership of registration No. 176,762.
FOR FLUID-PRESSURE RESPONSIVE REGULATING AND CONTROLLING INSTRUMENTS.
Claims use since Sept. 1, 1922.

Ser. No. 543,022. SERVICE STATION EQUIPMENT COMPANY, Philadelphia, Pa., and Muskegon Heights, Mich. Filed Sept. 13, 1947. Under section 2f of the act of 1946.

Bennett

FOR SELF-MEASURING GASOLINE DISPENSING PUMPS, POWER OPERATED.
Claims use since Apr. 1, 1929.

Ser. No. 545,039. SAF-T-VISI GAUGE CORPORATION, Miami, Fla. Filed Dec. 20, 1947.

SHOMATIC

FOR LIQUID LEVEL GAUGES.
Claims use since Sept. 18, 1947.

Ser. No. 545,254. THE JACOBS BROS. CO., INC., Brooklyn, N. Y. Filed Dec. 23, 1947.

DETECTO

Applicant claims ownership of registrations Nos. 179,315, 339,720, and 404,898.
FOR WEIGHING SCALES.
Claims use since January 1920.

Ser. No. 545,354. DOCKSON CORPORATION, Detroit, Mich. Filed Dec. 24, 1947.

"Herculite"

FOR WELDING SHIELD.
Claims use since Oct. 1, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 511,892. JOSEPH H. MEYER BROS., Brooklyn, N. Y. Filed Feb. 10, 1948.

MAXINE

FOR NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES AND EARRINGS ALL MADE OF OR CONTAINING AS AN ESSENTIAL ELEMENT, PEARLS OR SIMULATED PEARLS.
Claims use since 1938.

Ser. No. 532,383. TRIFARI, KRUSSMAN & FISHEL, INC., New York, N. Y. Filed Aug. 25, 1947. Under section 2f of the act of 1946.

Jewels by TRIFARI

No claim is made to the words "Jewels by" apart from the mark as shown. Applicant claims ownership of registration No. 393,719.
FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, EARRINGS, CLIPS, PINS, NECKLACES, BRACELETS, GOLD OR SILVER PLATED BASE METAL BUTTONS, CUFF LINKS, HAIR BARRETTES, HAIR COMBS, TIARAS, BELT BUCKLES, SHOE BUCKLES, BRACELET CHARMS AND HAT PINS.
Claims use since Mar. 19, 1920.

Ser. No. 539,866. FEATURE RING CO., INC., New York, N. Y. Filed Nov. 1, 1947.

FEATURE LOCK

The word "Lock" is disclaimed apart from the mark.
FOR MOUNTINGS FOR JEWELRY FOR PERSONAL WEAR, AND FOR FINGER RINGS, BRACELETS, EARRINGS, BROOCHES, LAPEL PINS, AND NECKLACES.
Claims use since Oct. 1, 1946.

Ser. No. 541,293. S. & G. GUMP COMPANY, San Francisco, Calif. Filed Nov. 15, 1947. Under section 2f of the act of 1946.

GUMP'S

FOR BRACELETS, BROOCHES, EARRINGS, NECKLACES, AND FINGER RINGS MADE OF GOLD AND SILVER, SOLID AND PLATED HOLLOW WARE, COMPACTS MADE FROM PRECIOUS AND PLATED METAL.
Claims use since Apr. 22, 1919.

Ser. No. 542,140. JABEL RING MANUFACTURING CO., Newark, N. J. Filed Nov. 24, 1947.

JABEL

Applicant claims ownership of registration No. 317,739.
FOR FINGER RINGS, FINGER RING SETTINGS, BROOCHES, JEWELLED CLIPS, PENDANTS, EARRINGS, BRACELETS, AND NECKLACES.
Claims use since Dec. 16, 1916.

Ser. No. 543,738. PHI PSI FRATERNITY, Wolfeboro, N. H. Filed Dec. 8, 1947.

ΦΨ

FOR FRATERNITY PINS, FINGER RINGS, AND LAPEL BUTTONS MADE IN WHOLE OF, IN PART, OR PLATED WITH PRECIOUS METAL.
Claims use since 1903.

Ser. No. 543,739. PHI THETA PI FRATERNITY, Des Moines, Iowa. Filed Dec. 8, 1947.

ΦΘΠ

FOR FRATERNITY PINS, FINGER RINGS, AND LAPEL BUTTONS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL.
Claims use since 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 519,487. NORWOOD FILTRATION COMPANY, Northampton, Mass. Filed Apr. 16, 1948. Under section 2f of the act of 1946.

NORWOOD

FOR WATER CONDITIONING EQUIPMENT—NAMELY, PRESSURE FILTERS OF THE MULTIPLE PAPER DISC TYPE, SAND AND GRAVEL TYPE, SAND AND CARBON TYPE, AND ALL OF THEM CONNECTED IN CIRCUIT WITH WATER LINES HAVING A PUMP.
Claims use since July 14, 1934.

Ser. No. 547,504. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Jan. 20, 1948.

A M C

FOR ELECTRIC REFRIGERATORS FOR HOUSEHOLD USE AND HOME FREEZERS.
Claims use since 1935.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 531,804. JORDAN MARSH COMPANY, Boston, Mass. Filed Aug. 19, 1947.

Baby Grey — Jordan Marsh Company

The words "Baby" and "Grey" apart from their association with each other are disclaimed apart from the mark as shown. The words "Jordan Marsh Company" are disclaimed apart from the mark as shown.
FOR MATTRESSES.
Claims use since May 12, 1947.

Ser. No. 533,219. J. F. WILLIAMS & CO., INC., Rochester, N. Y. Filed Sept. 3, 1947.

Small-Fry

FOR CHILDREN'S MATTRESSES.
Claims use since Aug. 21, 1947.

Ser. No. 535,862. MONITOR FURNITURE CO., INC., Jamestown, N. Y. Filed Sept. 26, 1947.

MONITOR

FOR HOUSEHOLD FURNITURE CONSISTING OF CHAIRS, TABLES, DESKS, SECRETARIES, DIVANS, AND CABINETS.
Claims use since Jan. 16, 1946.

Ser. No. 535,863. MONITOR FURNITURE CO., INC., Jamestown, N. Y. Filed Sept. 26, 1947.



FOR HOUSEHOLD FURNITURE CONSISTING OF CHAIRS, TABLES, DESKS, SECRETARIES, DIVANS, AND CABINETS.
Claims use since Jan. 16, 1946.

Ser. No. 540,919. SIMMONS COMPANY, New York, N. Y. Filed Nov. 12, 1947.

DREAMWELL

FOR MATTRESSES, BOX SPRINGS, COIL SPRINGS, SOFA BEDS, STUDIO COUCHES, AND LOUNGES.
Claims use since Sept. 16, 1947, on mattresses, box springs, coil springs, sofa beds, and lounges; and since Sept. 19, 1947, on studio couches.

Ser. No. 540,921. SIMMONS COMPANY, New York, N. Y. Filed Nov. 12, 1947.

NIGHT HAVEN

FOR MATTRESSES, BOX SPRINGS, COIL SPRINGS, SOFA BEDS, STUDIO COUCHES, AND LOUNGES.
Claims use since Sept. 16, 1947, on mattresses, box springs, coil springs, sofa beds, and lounges; and since Oct. 1, 1947, on studio couches.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 505,610. NATIONAL MOTOR BEARING COMPANY, INC., Redwood City, Calif. Filed Oct. 17, 1947.

SYNTECH

FOR GREASE AND OIL RETAINERS OF THE FRICTION TYPE USED TO SEAL THE SPACE BETWEEN A SHAFT AND AN ENGINE WALL—NAMELY, RETAINERS MADE OF UNITARY CIRCULAR RINGS OF COMPOSITION MATERIALS; RETAINERS MADE OF UNITARY CIRCULAR RINGS OF COMPOSITION MATERIALS AND HAVING A SPRING FITTED THERETO; RETAINERS MADE OF UNITARY CIRCULAR RINGS OF COMPOSITION, HAVING A SPRING FITTED THERETO AND THE WHOLE HELD WITHIN A CAGE OR SHELL OF DUCTILE STEEL, BRASS, OR ALUMINUM; AND RETAINERS MADE OF UNITARY CIRCULAR RINGS OF COMPOSITION BONDED TO A CAGE OR SHELL OF METAL.
Claims use since June 13, 1946.

Ser. No. 534,286. HOLYOKE BELTING COMPANY, Holyoke, Mass. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

HOLYOKE

Applicant claims ownership of registration No. 198,646.
FOR LEATHER BELTING.
Claims use since 1904.

CLASS 37

PAPER AND STATIONERY

Ser. No. 503,823. MILPRINT, INC., Milwaukee, Wis. Filed Aug. 5, 1947.

MILPRINT

Applicant claims ownership of registrations Nos. 252,997, 255,962, 258,865, 364,524, and 384,940.
FOR PRINTED, ENGRAVED, AND BLANK CORRESPONDENCE PAPER AND STATIONERY—NAMELY, LETTERHEADS, CARDS, ENVELOPES, AND BLANK SHEETS; SHEETS OF REGENERATED CELLULOSE, RUBBER HYDROCHLORIDE, AND GLOSSINE; DIE CUT PAPER DISCS; AND PAPER DOILIES.
Claims use since May 13, 1924.

Ser. No. 512,375. BROWN & BIGELOW, St. Paul, Minn. Filed July 5, 1947. Under section 2f of the act of 1946.

Redipoint

Applicant claims ownership of registration No. 144,356.
FOR MECHANICAL PENCILS.
Claims use since Nov. 1, 1917.

Ser. No. 527,566. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed July 5, 1947.

AUTOFOLD

Applicant claims ownership of registration No. 222,873.
FOR STRIPS, LEAVES, AND SHEETS OF PLAIN, LITHOGRAPH AND PRINTING PAPER FOR USE IN MANIFOLDING REGISTERS, IN TYPEWRITERS, AND IN OTHER MACHINES.
Claims use since July 1, 1924.

Ser. No. 532,071. MANUEL VALLADARES, New York, N. Y. Filed Aug. 21, 1947.

NIVOL

FOR WOOD-ENCASED PENCILS, MECHANICAL PENCILS, PEN POINTS, WOOD, PLASTIC, AND METAL PENHOLDERS, FOUNTAIN PENS, AND BALL POINT PENS.
Claims use since Jan. 5, 1932.

Ser. No. 532,670. FLETCHER PAPER COMPANY, Alpena, Mich. Filed Aug. 21, 1947.

Fletcher Manifold

The word "Manifold" is disclaimed apart from the mark. Applicant claims ownership of registration No. 290,457.
FOR PRINTING PAPER.
Claims use since January 1946.

Ser. No. 533,072. J. W. STEELE & CO., North Kansas City, Mo. Filed Sept. 2, 1947. Under section 2f of the act of 1946.

"STEELE-STYLE"

Applicant claims ownership of registration No. 342,990.
FOR GARMENT ACCESSORIES FOR GARMENT MANUFACTURERS AND LAUNDRIES OR CLEANING ESTABLISHMENTS AND COMPRISING BANDS OF PAPER OR LIKE FLEXIBLE MATERIAL FOR HOLDING GARMENTS IN A FOLDED STATE.
Claims use since Jan. 1, 1935.

Ser. No. 533,076. J. W. STEELE & CO., North Kansas City, Mo. Filed Sept. 2, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of registrations Nos. 342,989 and 342,990.
FOR GARMENT ACCESSORIES FOR GARMENT MANUFACTURERS AND LAUNDRIES OR CLEANING ESTABLISHMENTS AND COMPRISING COLLAR SUPPORTING AND REINFORCING FORMS OF PAPER OR LIKE FLEXIBLE MATERIAL FOR NEWLY MADE OR FRESHLY LAUNDERED COLLARS.
Claims use since Jan. 1, 1933.

Ser. No. 533,078. J. W. STEELE & CO., North Kansas City, Mo. Filed Sept. 2, 1947. Under section 2f of the act of 1946.

ANTI-CRUSH

Applicant claims ownership of registration No. 319,983.
FOR GARMENT ACCESSORIES FOR GARMENT MANUFACTURERS AND LAUNDRIES OR CLEANING ESTABLISHMENTS AND COMPRISING COLLAR SUPPORTING AND REINFORCING FORMS OF PAPER OR LIKE FLEXIBLE MATERIAL FOR NEWLY MADE OR FRESHLY LAUNDERED COLLARS.
Claims use since July 1, 1930.

Ser. No. 537,644. WILCO PRODUCTS, INC., Philadelphia, Pa. Filed Oct. 11, 1947.

TELEBASE

FOR COMBINATION INDEX AND MEMORANDUM PAD HOLDER ATTACHABLE TO THE BASE OF A TELEPHONE.
Claims use since July 3, 1947.

Ser. No. 539,902. RAPINWAX PAPER COMPANY, Minneapolis, Minn. Filed Nov. 1, 1947. Under section 2f of the act of 1946.

Roll-O-Wax

Applicant claims ownership of registration No. 240,546.
FOR WAXED WRAPPING PAPER.
Claims use since Oct. 1, 1926.

Ser. No. 539,944. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Nov. 3, 1947. Under section 2f of the act of 1946.

"NUPASTEL"

Applicant claims ownership of registration No. 309,433.
FOR CRAYONS.
Claims use since May 9, 1932.

Ser. No. 540,120. STEVENS & THOMPSON PAPER COMPANY, Greenwich, N. Y. Filed Nov. 4, 1947.

TELL-A-FRIEND

FOR TOILET TISSUE.
Claims use since Jan. 18, 1939.

Ser. No. 541,559. THE MARTIN CANTINE COMPANY, Saugerties, N. Y. Filed Nov. 18, 1947.

VELVETONE

FOR BOOK PAPER INCLUDING CLAY COATED BOOK PAPER, AND PAPER FOR COMMERCIAL PRINTING GENERALLY.
Claims use since June 1936.

Ser. No. 541,560. THE MARTIN CANTINE COMPANY, Saugerties, N. Y. Filed Nov. 18, 1947.

ZENA

FOR BOOK PAPER INCLUDING CLAY COATED BOOK PAPER, AND PAPER FOR COMMERCIAL PRINTING GENERALLY.
Claims use since November 1929.

Ser. No. 541,970. SCHOEMAN & COMPANY, INC., New York, N. Y. Filed Nov. 21, 1947.

ESCO

FOR BALL POINT PENS, FOUNTAIN PENS AND SETS, STYLO TYPE PENS, AND MECHANICAL PENCILS.
Claims use since Jan. 15, 1947.

Ser. No. 542,002. CROWN ZELLERBACH CORPORATION, San Francisco, Calif. Filed Nov. 22, 1947.

Chiffon

Applicant claims ownership of registration No. 234,041.
FOR TOILET TISSUE.
Claims use since Aug. 27, 1947.

Ser. No. 542,013. CROWN ZELLERBACH CORPORATION, doing business as The National Paper Products Co. and Nata Products Company, San Francisco, Calif. Filed Nov. 22, 1947.

SUAVE

FOR PAPER TOWELS AND TOILET TISSUE.
Claims use since Jan. 1, 1946.

Ser. No. 542,869. NEENAH PAPER COMPANY, Neenah, Wis. Filed Dec. 1, 1947.

TUDOR

Applicant claims ownership of registration No. 132,214.
FOR BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER.
Claims use since 1913.

Ser. No. 542,870. NEENAH PAPER COMPANY, Neenah, Wis. Filed Dec. 1, 1947.

WISDOM

Applicant claims ownership of registration No. 111,756.
FOR BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER.
Claims use since Feb. 1, 1916.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 528,571. INTERNATIONAL ALLIED PRINTING TRADES ASSOCIATION, Indianapolis, Ind. Filed July 14, 1947. CERTIFICATION MARK.

ALLIED PRINTING TRADES UNION LABEL COUNCIL

No claim is made to the words "Printing Trades" and "Union Label" apart from the mark. Applicant claims ownership of registration No. 371,641.
FOR ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, CALENDARS, CARTOONS, CATALOGUES, DAILY NEWSPAPERS, DATA SHEETS, DICTIONARIES, DRAWINGS, ENGINEERING BULLETINS FINANCIAL PUBLICATIONS, LITHOGRAPHS, MAPS, MONTHLY MAGAZINES, MOTION-PICTURE TRADE PAPERS, MUSIC BOOKS, NEWSPAPERS, NEWSPAPER SECTIONS, PAMPHLETS, PHOTOGRAPHIC PORTRAITS, PICTURE CARDS, POSTERS, PRICE LISTS, PRINTED CHARTS, PUSH CARDS, REBOUND BOOKS, REDEEMABLE COUPONS, RELIGIOUS CARDS; RELIGIOUS PAMPHLETS; SCIENTIFIC PERIODICALS; SEMI-MONTHLY MAGAZINES; SERIAL PUBLICATIONS, SHEET MUSIC, SKELETON DRAWINGS, TRADE JOURNALS, TRADING STAMPS, WEEKLY PERIODICALS PRINTED, LITHOGRAPHED OR PRODUCED BY ANY SIMILAR AND/OR SUBSTITUTE PROCESS FOR PRINTING AND/OR LITHOGRAPHING.
Claims use since 1911.

Ser. No. 533,340. MEEHANITE METAL CORPORATION, Chattanooga, Tenn., and New Rochelle, N. Y. Filed Sept. 4, 1947.

MEEHANITE METAL

The word "Metal" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 396,031.
FOR PUBLICATION PUBLISHED FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO ENGINEERING SALES AND SERVICE DATA OF METALLURGY AND PARTICULARLY OF APPLICANT'S CAST IRON CASTINGS AND PRODUCTS.
Claims use since Aug. 9, 1927.

Ser. No. 533,766. NORCROSS, INC., New York, N. Y. Filed Sept. 8, 1947.

Tulip Time

No claim is made to the word "Tulip" apart from the mark as shown.
FOR GREETING CARDS.
Claims use since Aug. 21, 1947.

Ser. No. 536,410. MEAT MERCHANDISING, INC., St. Louis, Mo. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

MEAT Merchandising

Applicant claims ownership of registration No. 248,445.
FOR MONTHLY MAGAZINE OF INTEREST TO DEALERS IN MEAT.
Claims use since October 1924.

Ser. No. 536,412. THE MEYERCORD COMPANY, Chicago, Ill. Filed Oct. 1, 1947.

NE-LAC

No claim is made to the word "Lac" apart from the mark.
FOR DECALCOMANIAS.
Claims use since 1930.

Ser. No. 536,413. THE MEYERCORD COMPANY, Chicago, Ill. Filed Oct. 1, 1947.

HYA-LAC

No claim is made to the word "Lac" apart from the mark.
FOR DECALCOMANIAS.
Claims use since 1928.

Ser. No. 536,415. THE MEYERCORD COMPANY, Chicago, Ill. Filed Oct. 1, 1947.

PRAC-DECAL

No claim is made to the word "Decal" apart from the mark.
FOR DECALCOMANIAS.
Claims use since 1935.

Ser. No. 536,734. CHESTER D. TRIPP, doing business as Economic Trend Line Studies, Chicago, Ill. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

THE ECONOMIC TREND LINE

Applicant claims ownership of registration No. 421,057.
FOR PERIODICALS, RELATING TO ECONOMIC STUDIES OR TRENDS.
Claims use since Sept. 29, 1942.

Ser. No. 537,996. ELECTRICAL PUBLICATIONS, INC., Chicago, Ill. Filed Oct. 16, 1947. Under section 2f of the act of 1946.

ELECTRICAL HOME EQUIPMENT DEALER

Applicant claims ownership of registrations Nos. 242,580 and 395,381.
FOR MONTHLY MAGAZINE RELATING TO DEALERS IN ELECTRICAL GOODS.
Claims use since May 29, 1928.

Ser. No. 540,077. KING PUBLICATION, San Francisco, Calif. Filed Nov. 4, 1947. Under section 2f of the act of 1946.

WESTERN INDUSTRY

FOR MONTHLY PUBLICATION.
Claims use since Oct. 1, 1937.

Ser. No. 541,441. NATIONAL SHORTHAND REPORTERS ASSOCIATION, Chicago, Ill. Filed Nov. 17, 1947.



No claim is made to the words "Have It Reported The Record Never Forgets" apart from the mark as shown.
Applicant claims ownership of registration No. 351,052.
FOR MAGAZINE BOOKS, BOOKLETS AND MEMBERSHIP BLANKS OF THE ASSOCIATION, ISSUED FROM TIME TO TIME.
Claims use since Jan. 1, 1922.

Ser. No. 549,755. LOUIS B. ROSENBLATT, Brooklyn, N. Y. Filed Feb. 14, 1948.

RO-ZEE'S
"ROUND-UP"

FOR NEWS COLUMN IN NEWSPAPERS AND MAGAZINES.
Claims use since Feb. 1, 1947.

Ser. No. 550,925. LIONEL, SEATTLE, Seattle, Wash. Filed Mar. 1, 1948.

LIONEL
Thought-Angels

FOR GREETING CARDS.
Claims use since Dec. 26, 1947.

Ser. No. 551,431. ASSOCIATED SPRING CORPORATION, Bristol, Conn. Filed Mar. 8, 1948.

The Mainspring

FOR PERIODICAL PUBLICATION.
Claims use since 1919.

Ser. No. 554,461. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif. Filed Apr. 13, 1948.

Laykold

FOR PERIODICAL PUBLICATIONS PUBLISHED AND DISTRIBUTED FROM TIME TO TIME.
Claims use since November 1947.

CLASS 39
CLOTHING

Ser. No. 513,267. MOORE SALES COMPANY, Cleveland, Tenn. Filed Oct. 24, 1947.

Val-knit

The word "Knit" is disclaimed apart from its association with the mark.
FOR HOSIERY.
Claims use since Oct. 30, 1946.

Ser. No. 514,806. DAY'S TAILOR-D CLOTHING, INC., Tacoma, Wash. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

Day's

COLLEGE CORDS

The word "Cords" is disclaimed apart from the mark.
Applicant claims ownership of registrations Nos. 120,907, 171,901, and 249,724.
FOR MEN'S AND BOYS' CORDUROY SLACKS.
Claims use since 1926.

Ser. No. 518,058. TRUNDLE BUNDLE INCORPORATED, Superior, Wis. Filed Feb. 25, 1948.

Trundle Bundle

FOR INFANTS' AND CHILDREN'S SLEEPING GARMENTS—NAMELY, SLEEPING BAGS.
Claims use since Sept. 11, 1946.

Ser. No. 520,333. GOODSTEIN BROS. & CO. INC., New York, N. Y. Filed Dec. 19, 1947.

SHELTER ISLAND

FOR MEN'S AND BOYS' SUITS AND COATS.
Claims use since June 1937.

Ser. No. 530,819. JULIUS GROSSMAN, INC., Brooklyn, N. Y. Filed Aug. 8, 1947.

Pedemode

Applicant claims ownership of registration No. 172,103.
FOR WOMEN'S SHOES, OF LEATHER, FABRICS, AND COMBINATIONS OF LEATHER AND FABRICS.
Claims use since Dec. 6, 1922.

Ser. No. 531,120. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

HARLEY-DAVIDSON

Applicant claims ownership of registration No. 141,757.
FOR MOTORCYCLE SHIRTS, SWEATERS, BREECHES, NECKTIES, COVERALLS, RAIN COATS AND HATS, JACKETS, HELMETS, CAPS, AND BOOTS.
Claims use since Dec. 15, 1915.

Ser. No. 531,176. ALAMO MANUFACTURING CO., INC., New York, N. Y. Filed Aug. 13, 1947.

ALAMO

FOR WOMEN'S HOUSEDRESSES.
Claims use since November 1945.

Ser. No. 531,872. WILLIAMSON-DICKIE MANUFACTURING CO., Fort Worth, Tex. Filed Aug. 19, 1947.

Dickie's

FOR MEN'S AND BOYS' PANTS, WORK SHIRTS, DUNGARIES AND JACKETS.
Claims use since July 6, 1926.

Ser. No. 533,493. LOUIS GOLDSMITH, INC., Philadelphia, Pa. Filed Aug. 19, 1947. Under section 2f of the act of 1946.

"Drummond Down"

Applicant claims ownership of registration No. 404,340.
FOR MEN'S AND BOYS' SUITS, TROUSERS, OVERCOATS, DRESS SUITS, AND SCARFS.
Claims use since Oct. 15, 1939.

Ser. No. 533,892. C. F. HATHAWAY CO., Waterville, Maine. Filed Sept. 9, 1947. Under section 2f of the act of 1946.

Old New England
BROADCLOTH

The term "Broadcloth" is disclaimed apart from the mark.
FOR OUTER SHIRTS.
Claims use since Apr. 3, 1940.

Ser. No. 535,736. NORTHMONT HOSIERY CORPORATION, New York, N. Y., and Reading, Pa. Filed Sept. 25, 1947.

Northmont

Applicant claims ownership of registrations Nos. 234,761 and 375,232.
FOR HOSIERY.
Claims use since May 2, 1947.

Ser. No. 536,580. BROWN SHOE COMPANY, INC., St. Louis, Mo. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

Westport

Applicant claims ownership of registration No. 188,077.
FOR SHOES MADE OF LEATHER, CANVAS, CLOTH, OR COMBINATIONS THEREOF.
Claims use since August 1914.

Ser. No. 538,930. HICKEY-FREEMAN COMPANY, Rochester, N. Y. Filed Oct. 24, 1947.

Canterbury

Applicant claims ownership of registration No. 228,785.
FOR MEN'S SUITS.
Claims use since 1914.

Ser. No. 546,124. PINKUS & GANS, Los Angeles, Calif. Filed Jan. 3, 1948.

Queens of Hollywood

The words "Of Hollywood" are disclaimed apart from the mark.
FOR LADIES' COATS AND SUITS.
Claims use since Nov. 7, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 497,895. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Filed Sept. 22, 1947.

DOT

Applicant claims ownership of registrations Nos. 121,544 and 127,721.

FOR BUCKLES, BUTTONS, CLASPS, SLIDER CLIPS, EYELETS, AND FASTENERS OF VARIOUS TYPES, MADE OF BASE METAL WITH AND WITHOUT FABRIC, LEATHER, AND PLASTIC COMPONENTS AND NON-PRECIOUS ORNAMENTS FOR USE ON GARMENTS, CURTAINS, AND THE LIKE.

Claims use since Aug. 15, 1918.

Ser. No. 497,896. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Filed Sept. 22, 1947.



Applicant claims ownership of registrations Nos. 121,544 and 127,721.

FOR BUCKLES, BUTTONS, CLASPS, SLIDER CLIPS, EYELETS, AND FASTENERS OF VARIOUS TYPES, MADE OF BASE METAL WITH AND WITHOUT FABRIC, LEATHER, AND PLASTIC COMPONENTS AND NON-PRECIOUS ORNAMENTS FOR USE ON GARMENTS, CURTAINS, AND THE LIKE.

Claims use since May 3, 1913.

Ser. No. 530,722. THE CONTINENTAL ELASTIC CORPORATION, New Bedford, Mass. Filed Aug. 7, 1947. Under section 2f of the act of 1946.

STAYLASTIC

FOR NARROW ELASTIC FABRIC.

Claims use since July 7, 1937.

Ser. No. 530,723. THE CONTINENTAL ELASTIC CORPORATION, New Bedford, Mass. Filed Aug. 7, 1947. Under section 2f of the act of 1946.



FOR NARROW ELASTIC FABRICS.

Claims use since July 22, 1941.

Ser. No. 534,504. BOBOPEN, INC., Colorado Springs, Colo. Filed Sept. 15, 1947.

BOB-O PEN

FOR DEVICE FOR OPENING BOBBY PINS.

Claims use since June 30, 1947.

Ser. No. 552,203. THE AMERICAN BUCKLE COMPANY, West Haven, Conn. Mar. 18, 1948.

GRIPPET

Applicant claims ownership of registration No. 291,627.

FOR SUSPENDER SLIDES OR BUCKLES.

Claims use since Aug. 25, 1931.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 505,507. WILLIAM W. LOEB COMPANY, Los Angeles, Calif., assignee of William W. Loeb Company, a corporation of California. Filed Oct. 18, 1947.

April

FOR SHOWER CURTAINS AND WINDOW CURTAINS.

Claims use since June 18, 1946.

Ser. No. 533,772. PORTLAND WOOLEN MILLS, INC., Portland, Oreg. Filed Sept. 8, 1947. Under section 2f of the act of 1946.

WOOL O' THE WEST

The word "Wool" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 390,207.

FOR WOOLEN PIECE GOODS, BLANKETS, AND AUTOMOBILE ROBES.

Claims use since January 1918.

Ser. No. 534,795. MAINZER MINTON CO., INC., New York, N. Y. Filed Sept. 17, 1947.



The word "Brand" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 253,137.

FOR TEXTILE FABRICS IN THE PIECE OF CANVAS AND LININGS MADE OF COTTON, LINEN, JUTE, AND COMBINATIONS THEREOF.

Claims use since Nov. 3, 1927.

Ser. No. 536,144. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Sept. 29, 1947.

Fairloom

Applicant claims ownership of registration No. 154,149.

FOR PIECE GOODS, FABRICATED OF COTTON, SILK, WOOL, LINEN, FUR, SYNTHETIC FIBERS, AND/OR MIXTURES THEREOF.

Claims use since Oct. 30, 1920.

Ser. No. 554,269. S. STROOCK & CO. INC., New York, N. Y. Filed Apr. 9, 1948. Under section 2f of the act of 1946.

MOLLENDO

Applicant claims ownership of registration No. 354,972.

FOR WOVEN CLOTH COMPOSED OF A MIXTURE OF ANIMAL FIBRES IN THE PIECE.

Claims use since Nov. 13, 1936.

CLASS 43

THREAD AND YARN

Ser. No. 531,765. BOTANY MILLS, INC., Passaic, N. J. Filed Aug. 19, 1947. Under section 2f of the act of 1946 as to the word "Botany."



No claim is made to the exclusive right to the use of "Mills, Inc." and "Passaic, N. J." apart from the mark shown. Applicant claims ownership of registrations Nos. 325,406 and 390,811.

FOR HAND KNITTING YARNS.

Claims use since May 29, 1947.

Ser. No. 541,549. THE JESTER COMPANY LIMITED, Leicester, England. Filed Nov. 18, 1947.

JESTER

Applicant claims ownership of British registration No. 630,690, dated July 26, 1944.

FOR COTTON YARNS AND THREADS, WOOLEN YARNS AND RUG WOOL.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 514,752. THE BURDICK CORPORATION, Milton, Wis. Filed Dec. 19, 1947.

Sine-O-Tron

FOR THERAPEUTIC APPLIANCES—NAMELY, LOW VOLTAGE UNITS FOR DELIVERING GALVANIC AND SINUSOIDAL CURRENTS.

Claims use since July 1940.

Ser. No. 532,946. THE MAICO COMPANY, INCORPORATED, Minneapolis, Minn. Filed Aug. 30, 1947.

Invisicord

FOR FLEXIBLE OUTPUT CONDUCTORS FOR AUDIO AMPLIFIERS WORN ON THE HUMAN BODY, SPECIFICALLY CORDS FOR HEARING AIDS.

Claims use since Apr. 15, 1947.

Ser. No. 535,623. MIRIAM E. RABELL, Waterbury, Conn. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

Cashay

SANITARY PUFFS

Applicant claims ownership of registration No. 432,558.

FOR TAMPONS.

Claims use since June 1935.

Ser. No. 535,820. P. B. COW & CO. LIMITED, London, England. Filed Sept. 26, 1947.

LI-LO

Applicant claims ownership of British registrations Nos. B628,818 and 628,822.

FOR DOUCHE DEVICES, TUBLAR RUBBER SLEEVES WITH CONICAL PROJECTIONS FOR USE AS MASSAGE PADS, AND HOT WATER BOTTLES.

CLASS 46

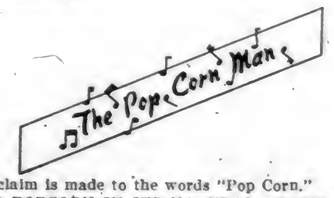
FOODS AND INGREDIENTS OF FOODS

Ser. No. 497,756. TOPPS CHEWING GUM, INCORPORATED, Brooklyn, N. Y., a corporation of New York., assignee of Topps Chewing Gum. Filed July 30, 1947.

TOPPS

Applicant claims ownership of registration No. 366,911.
FOR CHEWING GUM.
Claims use since Dec. 13, 1938.

Ser. No. 500,957. CHAS. E. DARDEN & CO., Dallas, Tex. Filed Sept. 26, 1947.



No claim is made to the words "Pop Corn."
FOR POPCORN IN ITS NATURAL STATE, SALTED POPCORN, AND POPCORN SEASONING.
Claims use since June 15, 1940.

Ser. No. 508,023. A. T. BETTENCOURT, Turlock and Huron, Calif. Filed Oct, 6, 1947.

HILLVIEW

FOR FRESH VEGETABLES, FRESH MELONS, AND FRESH GRAPES.
Claims use since July 13, 1946.

Ser. No. 516,890. COLORADO RIVER FARMS, INCORPORATED, Blythe, Calif. Filed Oct. 6, 1947.

BLYTHE BEAUTY



The word "Blythe" is disclaimed apart from the mark.
FOR FRESH MELONS AND FRESH VEGETABLES.
Claims use since June 13, 1946, on fresh melons; and since Dec. 14, 1946, on fresh vegetables.

Ser. No. 519,080. NASH-DE CAMP COMPANY, Berkeley, Calif. Filed Oct. 3, 1947.

FLORITA

FOR FRESH DECIDUOUS FRUITS AND FRESH GRAPES.
Claims use since Aug. 24, 1936.

Ser. No. 520,418. ROBEN PRODUCTS, INC., Des Moines, Iowa. Filed Oct. 21, 1947.

SLEEK

FOR FOOD SUPPLEMENT INCLUDING VITAMINS AND MINERALS FOR CATS, DOGS, AND FUR BEARING ANIMALS.
Claims use since December 1946.

Ser. No. 528,021. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

FLUFFO

Applicant claims ownership of registrations Nos. 418,774 and 131,026.
FOR PROCESSED DEODORIZED EDIBLE VEGETABLE PRODUCTS—NAMELY, OIL AND SHORTENING.
Claims use since July 19, 1919.

Ser. No. 530,201. HOPKINSVILLE MILLING CO., Hopkinsville, Ky. Filed Aug. 1, 1947.



Applicant claims ownership of registration No. 228,367.
FOR CORN MEAL.
Claims use since 1917.

Ser. No. 530,757. MONITOR FISHERIES, INC., doing business as McGovern & McGovern, Seattle, Wash. Filed Aug. 7, 1947.

SEA LAD

The word "Sea" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 211,392.
FOR CANNED SALMON.
Claims use since Sept. 1, 1925.

Ser. No. 530,821. CHAS. HOLLENBACH, INC., Chicago, Ill. Filed Aug. 8, 1947.

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Applicant claims ownership of registrations Nos. 234,532, 234,533, and 317,521.
FOR THUERINGER SAUSAGE.
Claims use since 1906.

Ser. No. 531,670. LEONARD D. HICKS, doing business as Madilen Milling Company, Madison, Fla. Filed Aug. 18, 1947.

SYR-O-SWEET

The word "Sweet" is disclaimed apart from the mark.
FOR CANNED CANE SYRUP.
Claims use since July 15, 1947.

Ser. No. 533,849. CRAFTEST FOODS, INC., Sand Springs, Okla. Filed Sept. 9, 1947.

Cimarron

FOR PEANUT BUTTER, IMITATION FRUIT JELLIES, AND VINEGAR.
Claims use since Aug. 7, 1947.

Ser. No. 534,180. PECHTER BAKING CO. INC., New York, N. Y. Filed Sept. 11, 1947. Under section 2f of the act of 1946.



The drawing is lined for shading only. Applicant claims ownership of registrations Nos. 103,329, 106,999, and 241,373.
FOR RYE BREAD.
Claims use since 1888.

Ser. No. 534,772. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Sept. 17, 1947.

DELICO

Applicant claims ownership of registration No. 174,609.
FOR SALAD AND COOKING OIL.
Claims use since Jan. 25, 1923.

Ser. No. 535,816. CORONA FOOTHILL LEMON COMPANY, Corona, Calif. Filed Sept. 26, 1947.

Pride of Corona

Exclusive right to the use of the word "Corona" apart from the mark is not claimed.
FOR FRESH CITRUS FRUITS.
Claims use since 1903.

Ser. No. 536,883. FISHER DAIRY & CHEESE COMPANY, doing business as Koneta Foods Company, Wapakoneta, Ohio. Filed Oct. 6, 1947.

Koneta

FOR CHEESE.
Claims use since May 1, 1946.

Ser. No. 537,536. WILLIAMS FARMS COMPANY, Oxnard, Calif. Filed Oct. 10, 1947.

Royal Ace

Applicant claims ownership of registration No. 247,651.
FOR FRESH VEGETABLES.
Claims use since Oct. 14, 1927.

Ser. No. 538,332. WESTGATE SEA PRODUCTS CO., San Diego, Calif. Filed Oct. 18, 1947. Under section 2f of the act of 1946.

Westgate

Applicant claims ownership of registrations Nos. 159,583, 383,118, 395,215, and 422,496.
FOR CANNED FISH.
Claims use since April 1921.

Ser. No. 543,331. SPERRY CANDY COMPANY, Milwaukee, Wis. Filed Dec. 4, 1947.

COLD TURKEY

FOR CANDY BARS.
Claims use since Apr. 10, 1935.

Ser. No. 548,134. GAGE KELSO BREWER, doing business as Magic Valley Groves, Alamo, Tex. Filed Jan. 28, 1948.



The drawing is lined for shading purposes only.
FOR FRESH CITRUS FRUITS, FRESH CITRUS FRUIT JUICES, FRESH AND CANNED PAPAYAS, FRESH AND CANNED NECTARINES, UNSALTED PECANS BOTH SHELLED AND UNSHELLED, FRESH AND CANNED DATES, HONEY, FRESH AND CANNED FIGS, AVACODAS, FRESH AND CANNED KUMQUATS, AND PAPAYA JUICE, CANNED CITRUS FRUITS AND JUICES, FROZEN CITRUS FRUITS AND JUICES.
Claims use since Nov. 15, 1942.

Ser. No. 553,859. HY-POP, INC., Sac City, Iowa. Filed Apr. 5, 1948.

Hy-Pop

No claim is made to the word "Pop" apart from the mark.
FOR POP CORN IN ITS NATURAL STATE.
Claims use since Dec. 15, 1944.

Ser. No. 560,943. VIOLET PACKING CO., Williamstown, N. J. Filed July 8, 1948.

VIOLET

FOR CANNED VEGETABLES, TOMATO CATSUP, BOTTLED OLIVES.
Claims use since 1882.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 535,858. MEDLEY DISTILLING COMPANY, Owensboro, Ky. Filed Sept. 26, 1947.

Shady Springs

FOR WHISKEY.
Claims use since Aug. 26, 1947.

Ser. No. 538,247. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 18, 1947.

OLD CLASSIC

The word "Old" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 311,039.
FOR DISTILLED POTABLE ALCOHOLIC BEVERAGES—NAMELY, WHISKEY.
Claims use since Nov. 17, 1933.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 532,962. HARVEY SEYBOLD, doing business as Harvey Seybold & Co., Cincinnati, Ohio. Filed Aug. 30, 1947.

HONEY MOON

FOR DRINKING STRAWS.
Claims use since May 5, 1947.

Ser. No. 536,985. ANCHOR RUBBER PRODUCTS, INC., Cleveland, Ohio. Filed Oct. 7, 1947.

TUFTEX

Applicant claims ownership of registration No. 489,895.
FOR AUTOMOBILE FLOOR MATS MADE OF RUBBER AND FELT.
Claims use since Sept. 1, 1945.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,192. PLOWS, PLOWSTOCKERS, HAY PRESSES, GRAIN SEPARATORS, ETC. A. B. FARQUHAR COMPANY, LIMITED, York, Pa., assignor to A. B. Farquhar Company, York, Pa., a corporation of Pennsylvania.
Filed October 26, 1943. Serial No. 464,414. PUBLISHED JULY 27, 1948. Class 23.

441,193. WHEAT FLOURS—NAMELY, ENRICHED PHOSPHATED FLOUR AND ENRICHED SELF-RISING FLOUR. PILLSBURY MILLS, INC., Minneapolis, Minn.
Filed January 29, 1945. Serial No. 479,142. PUBLISHED AUGUST 3, 1948. Class 46.

441,194. MEN'S, BOYS' OVERCOATS, TOP COATS, SUITS, TROUSERS, VESTS, NECKSCARFS, ETC. DESMOND'S, Los Angeles, Calif., assignor to Desmond's, Inc., Los Angeles, Calif., a corporation of California.
Filed February 17, 1945. Serial No. 479,923. PUBLISHED FEBRUARY 10, 1948. Class 39.

441,195. COMBINATION OF FRUIT FLAVORING AND COMESTIBLE ACID SOLUTION FOR FLAVORING ALCOHOLIC BEVERAGES AND ALCOHOLIC DRINKS. ONE-TWO-THREE COMPANY, INC., New York, N. Y.
Filed December 22, 1945. Serial No. 493,819. PUBLISHED AUGUST 3, 1948. Class 49.

441,196. INFANT'S KNITTED LEGGING SETS, SWEATERS, AND JACKETS, SHAWLS, WRAP AROUND BLANKETS IN THE NATURE OF GARMENTS, PANTY SETS AND CAPS. INFANTA KNITTING MILLS, Philadelphia, Pa.
Filed January 26, 1946. Serial No. 495,479. PUBLISHED JULY 27, 1948. Class 39.

441,197. FISH, GAME, AND POULTRY TONGS USED AS HOLDERS THEREOF TO FACILITATE SCALING AND DRESSING. WILLIE C. PETERSON, Los Angeles, Calif.
Filed April 1, 1946. Serial No. 499,431. PUBLISHED AUGUST 3, 1948. Class 23.

441,198. SALAD OIL. THE W. B. CASSELL CO., Baltimore, Md.
Filed June 20, 1946. Serial No. 504,251. PUBLISHED AUGUST 3, 1948. Class 46.

441,199. SLICER FOR EGGS, BUTTER, CHEESE, AND VEGETABLES. G. N. COUGHLAN CO., West Orange, N. J.
Filed June 28, 1946. Serial No. 504,818. PUBLISHED AUGUST 3, 1948. Class 23.

441,200. COATS, HATS, SUITS, UNDERWEAR, AND GLOVES FOR MEN, WOMEN, AND CHILDREN; SOCKS, CAPES, AND SHIRTS FOR MEN AND CHILDREN; CAPES AND SCARVES FOR WOMEN AND CHILDREN; DRESSES AND GOWNS FOR WOMEN, AND SCARVES FOR MEN. GREGOIRE OVSIANICO, Paris, France.
Filed July 19, 1946. Serial No. 505,910. PUBLISHED JULY 27, 1948. Class 39.

441,201. ELECTRIC SHAVER AND BLADES THEREFOR. THE LEKTRON CORPORATION, New York, N. Y., assignor to Lektro Products, Inc., Milford, Conn., a corporation of Delaware.
Filed August 20, 1946. Serial No. 507,682. PUBLISHED APRIL 15, 1947. Class 23.

441,202. WALL MIRRORS. THRU' THE LOOKING GLASS, New York, N. Y.
Filed October 8, 1946. Serial No. 510,455. PUBLISHED AUGUST 3, 1948. Class 32.

441,203. METALLIC FURNITURE—NAMELY, METALLIC BEDS AND SAFETY RAILS THEREFOR. DOEHLER METAL FURNITURE CO., INC., New York, N. Y.
Filed October 21, 1946. Serial No. 511,203. PUBLISHED AUGUST 3, 1948. Class 32.

441,204. GLYCEROL DERIVATIVE OF HYDROGENATED VEGETABLE OIL FOR USE IN FOOD PRODUCTS, PARTICULARLY IN THE BAKERY INDUSTRY. SWIFT & COMPANY, Chicago, Ill.
Filed November 13, 1946. Serial No. 512,542. PUBLISHED AUGUST 3, 1948. Class 46.

441,205. MAGAZINE. UNION TITLE INSURANCE AND TRUST COMPANY, San Diego, Calif.
Filed November 25, 1946. Serial No. 513,226. PUBLISHED JULY 27, 1948. Class 38.

441,206. MAGAZINE PUBLISHED PERIODICALLY AND DEVOTED TO INFORMATION AND PROBLEMS PERTAINING TO AGRICULTURE. AGRICULTURAL LEADERS' DIGEST, Chicago, Ill.
Filed November 29, 1946. Serial No. 513,369. PUBLISHED JULY 27, 1948. Class 38.

441,207. GARMENT STORAGE BAGS, GLOVE, SLIP, SWEATER, SHIRT AND PURSE BAGS, ETC. LAMINET COVER COMPANY, Chicago, Ill.
Filed November 30, 1946. Serial No. 513,518. PUBLISHED AUGUST 3, 1948. Class 2.

441,208. LADIES' SWEATERS. PENCER KNITTING MILLS LTD., Montreal, Quebec, Canada.
Filed December 13, 1946. Serial No. 514,241. PUBLISHED JULY 20, 1948. Class 39.

441,209. LADIES' AND MISSES' SUITS. DIAMOND & BAUM, INC., New York, N. Y.
Filed December 19, 1946. Serial No. 514,527. PUBLISHED JULY 27, 1948. Class 39.

441,210. DIAPERS. RAYMOND ROHRER MILLS, Orwigsburg, Pa.
Filed January 7, 1947. Serial No. 515,391. PUBLISHED JULY 20, 1948. Class 39.

441,211. SOYA SAUCE, FOOD SAUCE COMPOSED OF HYDROLYZED VEGETABLE PROTEINS AND SALT, AND FOOD SEASONING POWDER CONTAINING MONOSODIUM GLUTAMATE, LACTOSE, TAPIOCA, SALT, AND SPICES. KUSTER LABORATORIES, LTD., also doing business as Kuster Products Company, San Francisco, Calif.
Filed January 8, 1947. Serial No. 515,433. PUBLISHED AUGUST 3, 1948. Class 46.

441,212. POTATOES IN THEIR NATURAL STATE. L. S. TAUBE & CO., Kansas City, Mo.
Filed January 20, 1947. Serial No. 516,107. PUBLISHED AUGUST 3, 1948. Class 46.

441,213. MEN'S AND WOMEN'S SLACKS, PANTS, AND JACKETS. FREEMAN MANUFACTURING CO. INC., New York, N. Y.
Filed February 25, 1947. Serial No. 518,076. PUBLISHED JULY 27, 1948. Class 39.

441,214. WOMEN'S HOSIERY. MARMODE HOSIERY MILL, INC., Dover, Del.
Filed March 19, 1947. Serial No. 519,282. PUBLISHED JULY 27, 1948. Class 39.

441,215. CHILDREN'S AND MISSES' SHOES AND SLIPPERS MADE OF LEATHER AND FABRIC. PROMENADE SHOE CORP., New York, N. Y.
Filed March 22, 1947. Serial No. 519,447. PUBLISHED JULY 27, 1948. Class 39.

441,216. NEWS LETTERS, BULLETINS, AND SIMILAR PUBLICATIONS DEVOTED TO COAL HEATING AND ISSUED FROM TIME TO TIME. NATIONAL COAL ASSOCIATION, Washington, D. C.
Filed March 26, 1947. Serial No. 519,594. PUBLISHED AUGUST 3, 1948. Class 38.

441,217. UNITARY SELF-PROPELLED IMPLEMENT FOR ROAD GRADING OR THE LIKE, COMPRISED OF A FOUR-WHEELED VEHICLE HAVING A PUSH GRADER OR BULLDOZER BLADE MOUNTED AT THE FRONT THEREOF. R. G. LE TOURNEAU, INC., Peoria, Ill.
Filed March 28, 1947. Serial No. 519,764. PUBLISHED JULY 27, 1948. Class 23.

441,218. BRASSIÈRES. MUZZY INC., New York, N. Y.
Filed April 16, 1947. Serial No. 520,823. PUBLISHED JULY 20, 1948. Class 39.

441,219. MEN'S AND CHILDREN'S HATS AND SUITS. EDWARD I. SINGER, doing business as Central Headwear Manufacturing Co., New York, N. Y.
Filed April 18, 1947. Serial No. 520,974. PUBLISHED JULY 20, 1948. Class 39.

441,220. LADIES' AND MISSES' DRESSES, BLOUSES, AND PLAYSUITS. SHELTON CASUALS, New York, N. Y.
Filed April 19, 1947. Serial No. 521,032. PUBLISHED JUNE 22, 1948. Class 39.

441,221. PACKAGED SANDWICHES. MAN-CA, INC., New York, N. Y.
Filed April 21, 1947. Serial No. 521,081. PUBLISHED AUGUST 3, 1948. Class 46.

441,222. MEN'S PAJAMAS AND SLEEPING COATS. MAX M. ROTHSTEIN, Los Angeles, Calif.
Filed April 28, 1947. Serial No. 521,468. PUBLISHED JULY 20, 1948. Class 39.

441,223. MONTHLY PUBLICATION. PETERS EMPLOYMENT SERVICE, Boston, Mass.
Filed May 15, 1947. Serial No. 522,419. PUBLISHED JULY 27, 1948. Class 38.

441,224. FURNITURE FOR CHILDREN—NAMELY, BEDS, CRADLES, AND CHESTS OF DRAWERS. BRUYNZEEL'S DEURENFABRIEK N. V., Zaandam, Netherlands.
Filed May 20, 1947. Serial No. 522,700. PUBLISHED JULY 27, 1948. Class 32.

441,225. WORK CLOTHING—NAMELY, PANTS, SHIRTS, OVERALLS, AND ONE-PIECE SUITS. CONRO MANUFACTURING COMPANY, INC., Dallas, Tex.
Filed May 23, 1947. Serial No. 522,905. PUBLISHED AUGUST 3, 1948. Class 39.

441,226. MEN'S, BOYS', AND LADIES' COATS AND JACKETS. COBERKNIT CORP., New York, N. Y.
Filed May 28, 1947. Serial No. 523,224. PUBLISHED AUGUST 3, 1948. Class 39.

441,227. MARINE ENGINES OF THE INTERNAL COMBUSTION ENGINE TYPE. ARNOLT MOTOR DIVISION, ARNOLT CORPORATION, Warsaw, Ind.
Filed June 10, 1947. Serial No. 523,883. PUBLISHED JULY 27, 1948. Class 23.

441,228. MEN'S ABDOMINAL SUPPORTS OF THE NATURE OF MEN'S GIRDLES. SUPPORTS, INC., New York and Long Island City, N. Y.
Filed June 11, 1947. Serial No. 524,025. PUBLISHED JULY 20, 1948. Class 39.

441,229. WOMEN'S APPAREL, COMPRISING SLIPS, BLOOMERS, PETTICOATS, NIGHTGOWNS, PAJAMAS, CHEMISES, STEP-INS, AND PANTIES. SEAMPRUFE, INCORPORATED, New York, N. Y.
Filed June 14, 1947. Serial No. 524,214. PUBLISHED JULY 20, 1948. Class 39.

441,230. BOYS' JACKETS AND KNICKERS, OVERALLS, SNOW SUITS, SKI PANTS, RIDING BREECHES, COATS, AND SWEATERS. THE HECHT CO., Washington, D. C., also doing business as Hecht Bros., Baltimore, Md., and New York, N. Y., and The Hub, Baltimore, Md.
Filed June 23, 1947. Serial No. 524,654. PUBLISHED JULY 20, 1948. Class 39.

441,231. HOSIERY. STILLMAN BROS., Philadelphia, Pa.
Filed June 24, 1947. Serial No. 524,750. PUBLISHED AUGUST 3, 1948. Class 39.

441,232. PICKLES, JAMS, JELLIES, MINCEMEAT, FRUIT CAKE, PLUM PUDDING, AND CANNED FRUITS AND VEGETABLES. FAMOUS VIRGINIA FOODS, INC., Lynchburg, Va.
Filed July 3, 1947. Serial No. 525,812. PUBLISHED AUGUST 3, 1948. Class 46.

441,233. MONTHLY MAGAZINE. INTERNATIONAL ASSOCIATION, HIGH TWELVE CLUBS, St. Louis, Mo.
Filed July 4, 1947. Serial No. 526,237. PUBLISHED JULY 27, 1948. Class 38.

ACT OF 1920

These registrations are not subject to opposition.

441,234. (CLASS 38. PRINTS AND PUBLICATIONS.) JOSEPH HOCHMANN, Miami, Fla. Filed Mar. 25, 1947. Serial No. 519,523.

The Magazine

Florida Fashion

FOR MAGAZINE.
Claims use since October 1945.

441,235. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABBOTT LABORATORIES, North Chicago, Ill. Filed May 23, 1947. Serial No. 522,870.

BIARSAN

FOR ANTISYPHILITIC ARSENICAL.
Claims use since Sept. 22, 1943.

ACT OF 1946, PRINCIPAL REGISTER

503,573. PUBLICATION ISSUED PERIODICALLY CONTAINING ARTICLES AND INFORMATION OF INTEREST TO AGRICULTURISTS. ARCADY FARMS MILLING COMPANY, Chicago, Ill.
Filed November 19, 1947. Serial No. 486,736. PUBLISHED JULY 27, 1948. Class 38.

503,574. COMIC STRIP IN DAILY NEWSPAPER. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass.
Filed September 13, 1947. Serial No. 503,425. PUBLISHED JULY 27, 1948. Class 38.

503,575. MERCHANDISE DISPLAY CASES AND PARTS THEREOF—NAMELY, SHOW CASES, WALL CASES, WOOD-FRAME AND FRAMELESS GLASS CASES, ETC. THE COLUMBUS SHOW CASE COMPANY, Columbus, Ohio.
Filed November 18, 1947. Serial No. 504,821. PUBLISHED JULY 27, 1948. Class 32.

503,576. WOMEN'S, MISSES', AND JUNIORS' OVERCOATS AND TOPCOATS. C. B. SHANE CORPORATION, Chicago, Ill.
Filed November 5, 1947. Serial No. 506,063. PUBLISHED JULY 27, 1948. Class 39.

503,577. MEN'S AND YOUNG MEN'S OVERCOATS AND TOPCOATS. C. B. SHANE CORPORATION, Chicago, Ill.
Filed November 5, 1947. Serial No. 506,064. PUBLISHED AUGUST 3, 1948. Class 39.

503,578. HAND-OPERATED PUMP OILERS. DUTTON-LAINSON COMPANY, Hastings, Nebr.
Filed January 12, 1948. Serial No. 506,434. PUBLISHED AUGUST 3, 1948. Class 23.

503,579. FRESH SAUSAGE MADE FROM PORK. P. D. GWALTNEY JR. & CO., INC., Smithfield, Va.
Filed August 27, 1947. Serial No. 507,722. PUBLISHED AUGUST 3, 1948. Class 46.

503,580. TABLE SYRUPS AND MOLASSES. J. STROMEYER COMPANY, Philadelphia, Pa.
Filed August 6, 1947. Serial No. 510,128. PUBLISHED AUGUST 3, 1948. Class 46.

503,581. FRUIT BRANDIES. R. U. DELAPENHA & CO., INC., New York, N. Y.
Filed September 8, 1947. Serial No. 514,106. PUBLISHED JULY 27, 1948. Class 49.

503,582. INTERNAL COMBUSTION ENGINE DRIVEN EARTH SCRAPERS, ELECTRIC MOTOR AND/OR INTERNAL COMBUSTION ENGINE DRIVEN ENDLESS BELT TYPE CONVEYORS, ETC. MEILI-BLUMBERG CORPORATION, New Holstein, Wis.
Filed November 24, 1947. Serial No. 517,917. PUBLISHED JULY 20, 1948. Class 23.

503,583. DRESS, NEGLIGEE, WORK AND SPORT SHIRTS, PAJAMAS, POLO SHIRTS, WINDBREAKERS, ETC. KALAMAZOO PANT COMPANY, Kalamazoo, Mich.
Filed November 12, 1947. Serial No. 519,196. PUBLISHED JULY 27, 1948. Class 39.

503,584. BOOKS, PARTICULARLY CHILDREN'S BOOKS. RAND MCNALLY AND COMPANY, Chicago, Ill.
Filed October 7, 1947. Serial No. 521,928. PUBLISHED JULY 27, 1948. Class 38.

503,585. BEER. RHINELANDER BREWING COMPANY, Rhinelander, Wis.
Filed November 20, 1947. Serial No. 522,128. PUBLISHED JULY 20, 1948. Class 48.

503,586. LADIES' NIGHTGOWNS, SLIPS, BUST CONFINING GARMENTS, AND PANTIES FOR CHILDREN, GIRLS, AND LADIES. CONTINENTAL UNDERGARMENT CO. INC., Brooklyn, N. Y.
Filed November 14, 1947. Serial No. 522,885. PUBLISHED AUGUST 3, 1948. Class 39.

503,587. DISPLAY CABINETS FOR TOOLS. UNION TOOL COMPANY, Orange, Mass.
Filed September 17, 1947. Serial No. 523,298. PUBLISHED JULY 27, 1948. Class 32.

503,588. CHAIRS, STOOLS, TABLE TOPS AND COUNTER TOPS IN THE NATURE OF FURNITURE. ASTRA BENT WOOD FURNITURE COMPANY, New York, N. Y.
Filed July 5, 1947. Serial No. 526,523. PUBLISHED AUGUST 3, 1948. Class 32.

503,589. RYE FLOUR. BAY STATE MILLING CO., Winona, Minn.
Filed July 5, 1947. Serial No. 526,624. PUBLISHED AUGUST 3, 1948. Class 46.

503,590. TAPS, TAP CHASERS, COMBINED TAPS AND DRILLS, HOBS, MILLING CUTTERS, ARBORS, COLLETS, REAMERS, TAPER PINS, DRILLS, THREADING TOOLS, KNURLING TOOLS, CUTTING-OFF TOOLS, CIRCULAR FORMING TOOLS, LATHE TOOLS, AND PLANER TOOLS. NILES-BEMENT-POND COMPANY, West Hartford, Conn.
Filed July 5, 1947. Serial No. 526,699. PUBLISHED JULY 20, 1948. Class 23.

503,591. VARIABLE SPEED GEARS FOR BICYCLES. SALE & CO. (U. S. A.) INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,979. PUBLISHED AUGUST 3, 1948 Class 23.

503,592. CANDY. GOLDEN NUGGET SWEETS LTD., San Francisco, Calif.
Filed July 5, 1947. Serial No. 527,037. PUBLISHED AUGUST 3, 1948. Class 46.

503,593. PEDAL-OPERATED MACHINES FOR SETTING HOLLOW, PRONGED, ORNAMENTAL METAL BEADS. GLOBE TOOL & GAGE WORKS, Boston, Mass.
Filed July 5, 1947. Serial No. 527,322. PUBLISHED JULY 20, 1948. Class 23.

503,594. WOMEN'S AND MISSES' HATS. CATALINA HATS, LTD., Los Angeles, Calif.
Filed July 5, 1947. Serial No. 527,370. PUBLISHED JULY 27, 1948. Class 39.

503,595. NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND CARBONATED WATER. BOOTH BOTTLING COMPANY, INC., Philadelphia, Pa.
Filed July 5, 1947. Serial No. 527,461. PUBLISHED JULY 20, 1948. Class 45.

503,596. MILKING MACHINES AND PARTS THEREOF. BABSON BROS. Co., Chicago, Ill.
Filed July 5, 1947. Serial No. 527,647. PUBLISHED AUGUST 3, 1948. Class 23.

503,597. BEDS, BED SPRINGS, BED SLATS, BUNKS, COTS, ETC. HAGGARD & MARCUSSON COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,710. PUBLISHED AUGUST 3, 1948. Class 32.

503,598. BEDS, BED SPRINGS, BED SLATS, BUNKS, ETC. HAGGARD & MARCUSSON COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,711. PUBLISHED AUGUST 3, 1948. Class 32.

503,599. DOG AND FOX FEEDS. ALLIED MILLS, INC., Chicago, Il..
Filed July 9, 1947. Serial No. 528,164. PUBLISHED AUGUST 3, 1948. Class 46.

503,600. STEAM AND GAS TURBINES, COMPRESSORS, ETC. ELLIOTT COMPANY, Jeannette, Pa.
Filed July 9, 1947. Serial No. 528,198. PUBLISHED AUGUST 3, 1948. Class 23.

503,601. GREEN TEA, PEKOE AND ORANGE PEKOE, BLACK TEA, ETC. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed July 11, 1947. Serial No. 528,346. PUBLISHED AUGUST 3, 1948. Class 46.

503,602. AGRICULTURAL MACHINERY — NAMELY, COMBINES. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn.
Filed July 11, 1947. Serial No. 528,358. PUBLISHED AUGUST 3, 1948. Class 23.

503,603. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. UNCLE JO COMPANY, Fort Worth, Tex.
Filed July 11, 1947. Serial No. 528,384. PUBLISHED AUGUST 3, 1948. Class 45.

503,604. HOSIERY. BRYAN FULL FASHIONED MILLS, INC., Chattanooga, Tenn.
Filed July 14, 1947. Serial No. 528,552. PUBLISHED JULY 20, 1948. Class 39.

503,605. DOG FOOD. CHAMPION ANIMAL FOOD COMPANY, Minneapolis, Minn.
Filed July 14, 1947. Serial No. 528,554. PUBLISHED AUGUST 3, 1948. Class 46.

503,606. HOSIERY. SE-LING HOSIERY, INCORPORATED, Philadelphia, Pa.
Filed July 16, 1947. Serial No. 528,744. PUBLISHED JULY 27, 1948. Class 39.

503,607. SHORTENING MADE FROM VEGETABLE OILS. THE HUMKO CO., Memphis, Tenn.
Filed July 26, 1947. Serial No. 529,646. PUBLISHED AUGUST 3, 1948. Class 46.

503,608. SHORTENING MADE FROM VEGETABLE OILS. THE HUMKO CO., Memphis, Tenn.
Filed July 26, 1947. Serial No. 529,647. PUBLISHED AUGUST 3, 1948. Class 46.

503,609. FEEDS FOR CATTLE, DAIRY ANIMALS, POULTRY, HOGS AND HORSES—NAMELY, WHEAT, BRAN, WHEAT SHORTS, MIDDLINGS, MIXED FEEDS AND WHEAT MILLRUN. THE CONSOLIDATED FLOUR MILLS COMPANY, Wichita, Kans.
Filed July 31, 1947. Serial No. 530,061. PUBLISHED AUGUST 3, 1948. Class 46.

503,610. FISHERMEN'S RAIN SHIRTS. HODGMAN RUBBER COMPANY, Framingham, Mass.
Filed August 4, 1947. Serial No. 530,403. PUBLISHED JULY 20, 1948. Class 39.

503,611. MEN'S AND BOYS' OUTER GARMENTS—NAMELY, LEATHER, COTTON GABARDINE, ALL WOOL AND PART WOOL JACKETS AND COATS. NORTHBILT MANUFACTURING COMPANY, Minneapolis, Minn.
Filed August 4, 1947. Serial No. 530,425. PUBLISHED JULY 27, 1948. Class 39.

503,612. HOSIERY FOR MEN, WOMEN, AND CHILDREN. TRIPLETOE HOSIERY COMPANY, Boston, Mass.
Filed August 5, 1947. Serial No. 530,597. PUBLISHED JULY 20, 1948. Class 39.

503,613. BRASSIÈRES, FABRIC GIRDLE FOUNDATIONS, ETC. THE WARREN FEATHERBONE CO., Three Oaks, Mich.
Filed August 5, 1947. Serial No. 530,606. PUBLISHED AUGUST 3, 1948. Class 39.

503,614. RADIO CABINETS, DISPLAY COUNTERS, DISPLAY CASES, METAL AND GLASS DISPLAYERS, DISPLAY STANDS, DISPLAY UNITS, STOCK RACKS, GARMENT DISPLAY RACKS AND PEDESTALS THEREFOR. AMERICAN FIXTURE AND MANUFACTURING CO., St. Louis, Mo.
Filed August 9, 1947. Serial No. 530,895. PUBLISHED AUGUST 3, 1948. Class 32.

503,615. BRASSIÈRES. BONZETTE FOUNDATIONS INC., New York, N. Y.
Filed August 12, 1947. Serial No. 531,082. PUBLISHED JULY 20, 1948. Class 39.

503,616. HOSIERY. GALLENKAMP STORES CO., Los Angeles, Calif.
Filed August 12, 1947. Serial No. 531,105. PUBLISHED JULY 27, 1948. Class 39.

503,617. HOSIERY. ENTERPRISE STORES, INC., Quincy, Mass.
Filed August 13, 1947. Serial No. 531,200. PUBLISHED AUGUST 3, 1948. Class 39.

503,618. CAN OPENER. NA-MAC PRODUCTS CORP., Hollywood, Calif., assignor to Elsac, Inc., Los Angeles, Calif., a corporation of California.
Filed August 14, 1947. Serial No. 531,356. PUBLISHED JULY 20, 1948. Class 23.

503,619. MEN'S, WOMEN'S, AND CHILDREN'S ONE AND TWO PIECE SLEEPING GARMENTS. WRIGHT'S UNDERWEAR CORPORATION, New York, N. Y.
Filed August 14, 1947. Serial No. 531,410. PUBLISHED JULY 20, 1948. Class 39.

503,620. KNITTED AND TEXTILE GARMENTS FOR MEN, WOMEN, BOYS, GIRLS AND CHILDREN, ETC. WRIGHT'S UNDERWEAR CORPORATION, New York, N. Y.
Filed August 14, 1947. Serial No. 531,411. PUBLISHED JULY 20, 1948. Class 39.

503,621. MAGAZINE PUBLISHED MONTHLY. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed August 15, 1947. Serial No. 531,446. PUBLISHED AUGUST 3, 1948. Class 38.

503,622. PAMPHLETS PUBLISHED FROM TIME TO TIME. ZEB FREEMAN, Louisville, Ky.
Filed August 15, 1947. Serial No. 531,459. PUBLISHED AUGUST 3, 1948. Class 38.

503,623. FRESH CITRUS FRUITS. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif.
Filed August 15, 1947. COLLECTIVE MARK. Serial No. 531,502. PUBLISHED AUGUST 3, 1948. Class 46.

503,624. CHEESE. ZAUSNER FOODS INC., New York, N. Y.
Filed August 15, 1947. Serial No. 531,571. PUBLISHED AUGUST 3, 1948. Class 46.

503,625. MALT BEVERAGES—NAMELY, BEER AND ALE OF LEGAL ALCOHOLIC CONTENT. THE BURGER BREWING COMPANY, Cincinnati, Ohio.
Filed August 18, 1947. Serial No. 531,646. PUBLISHED JULY 27, 1948. Class 48.

503,626. MEN'S FELT AND STRAW HATS. ROTHSCHILD BROS. HAT COMPANY, St. Louis, Mo.
Filed August 18, 1947. Serial No. 531,722. PUBLISHED JULY 27, 1948. Class 39.

503,627. MEN'S, WOMEN'S AND CHILDREN'S HOSIERY. THE ALDEN MILLS, New Orleans, La.
Filed August 19, 1947. Serial No. 531,751. PUBLISHED JULY 27, 1948. Class 39.

503,628. SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. CRADDOCK-TERRY SHOE CORPORATION, Lynchburg, Va.
Filed August 19, 1947. Serial No. 531,775. PUBLISHED AUGUST 3, 1948. Class 39.

503,629. BEER. FALLS CITY BREWING CO., INC., Louisville, Ky.
Filed August 19, 1947. Serial No. 531,781. PUBLISHED AUGUST 3, 1948. Class 48.

503,630. BEDROOM FURNITURE, DINING ROOM FURNITURE, TABLES, CABINETS, ETC. HENREDON FURNITURE INDUSTRIES, INC., Morganton, N. C.
Filed August 19, 1947. Serial No. 531,799. PUBLISHED AUGUST 3, 1948. Class 32.

503,631. NON-ALCOHOLIC, MALTLESS BEVERAGES USED AS A SOFT DRINK AND CONCENTRATES FOR MAKING THE SAME. NATIONAL FRUIT FLAVOR COMPANY, INC., New Orleans, La.
Filed August 19, 1947. Serial No. 531,820. PUBLISHED AUGUST 3, 1948. Class 45

503,632. MEN'S CLOTHING—NAMELY, SUITS, JACKETS, TOPCOATS, OVERCOATS, TROUSERS, AND SPORTCOATS. WILLIAM B. KESSLER, INC., Hammonton, N. J.
Filed August 21, 1947. Serial No. 532,030. PUBLISHED AUGUST 3, 1948. Class 39.

503,633. FROZEN CONFECTIONS. JOHN M. BERNARDS & SONS, INC., San Leandro, Calif.
Filed August 22, 1947. Serial No. 532,113. PUBLISHED JULY 27, 1948. Class 46.

503,634. UPHOLSTERED FURNITURE, VIZ., CHAIRS, DAVENPORTS, AND BEDS. INTERNATIONAL FURNITURE COMPANY, Chicago, Ill.
Filed August 25, 1947. Serial No. 532,292. PUBLISHED AUGUST 3, 1948. Class 32.

503,635. WOMEN'S, MISSES', AND CHILDREN'S CLOTH COATS, SUITS, RAINCOATS, GLOVES, DRESSES, BLOUSES, ETC. MUTUAL BUYING SYNDICATE, INC., New York, N. Y.
Filed August 25, 1947. Serial No. 532,328. PUBLISHED JULY 27, 1948. Class 39.

503,636. SLIPS, PANTIES, NIGHTGOWNS, BRASSIÈRES, HALF-SLIPS, AND HOSIERY. ROSEDA, INC., Los Angeles, Calif.
Filed August 27, 1947. Serial No. 532,637. PUBLISHED AUGUST 3, 1948. Class 39.

503,637. CHOCOLATE FLAVORED SYRUP USED IN MAKING SODAS AND MALTLESS SOFT DRINKS. J. HUNGERFORD SMITH CO., Rochester, N. Y.
Filed September 2, 1947. Serial No. 533,065. PUBLISHED JULY 20, 1948. Class 45.

503,638. BEER AND ALE. ESSLINGER'S, INC., Philadelphia, Pa.
Filed September 3, 1947. Serial No. 533,152. PUBLISHED JULY 20, 1948. Class 48.

503,639. HATS FOR WOMEN. DON MARSHALL & CO., New York, N. Y.
Filed September 3, 1947. Serial No. 533,185. PUBLISHED JULY 27, 1948. Class 39.

503,640. MEN'S AND BOYS' SPORT CASUAL AND OUTDOOR SHIRTS, MADE OF COTTON, RAYON, WOOL OR COMBINATIONS THEREOF. SEA ISLAND MANUFACTURING COMPANY, INC., New York, N. Y.
Filed September 3, 1947. Serial No. 533,207. PUBLISHED JULY 20, 1948. Class 39.

503,641. SHOE SOLES AND HEELS. DANBURY RUBBER COMPANY, INC., Danbury, Conn.
Filed September 4, 1947. Serial No. 533,280. PUBLISHED JULY 27, 1948. Class 39.

503,642. BOYS' AND YOUNG MEN'S SLACKS, COATS, SUITS, TOPCOATS, AND OVERCOATS. HOFFENBERG & CO., INC., New York, N. Y.
Filed September 8, 1947. Serial No. 533,742. PUBLISHED AUGUST 3, 1948. Class 39.

503,643. WOMEN'S BLOUSES AND SHIRTS. C. F. HATHAWAY CO., Waterville, Maine.
Filed September 9, 1947. Serial No. 533,887. PUBLISHED JULY 20, 1948. Class 39.

503,644. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, SODA FOUNTAIN SYRUPS FOR MAKING MALTLESS SOFT DRINKS, BOTTLERS' FLAVORS AND CONCENTRATES, AND CARBONATED WATER. VARIETY CLUB BEVERAGE CO., Toledo, Ohio.
Filed September 11, 1947. Serial No. 534,209. PUBLISHED JULY 20, 1948. Class 45.

503,645. INFANTS' BED COVER COMPRISING A COMBINATION VEST AND BLANKET. FREDERIC COMYNS, Dumont, N. J.
Filed September 12, 1947. Serial No. 534,245. PUBLISHED JULY 27, 1948. Class 39.

503,646. WOMEN'S UNDERWEAR, SLIPS, NIGHT GOWNS, PANTIES, AND STEP-INS. ARKWRIGHT MERCHANDISING CORPORATION, New York, N. Y.
Filed September 13, 1947. Serial No. 534,407. PUBLISHED JULY 20, 1948. Class 39.

503,647. HOSIERY. SPURGEON HOSIERY CORPORATION, Philadelphia, Pa.
Filed September 13, 1947. Serial No. 534,484. PUBLISHED JULY 20, 1948. Class 39.

503,648. AIR-FILLED PILLOWS AND CUSHIONS. AIRCUBE, INC., New York, N. Y.
Filed September 16, 1947. Serial No. 534,586. PUBLISHED JULY 27, 1948. Class 32.

503,649. PERIODICALS. AMERICAN CHEMICAL SOCIETY, Washington, D. C.
Filed September 17, 1947. Serial No. 534,722. PUBLISHED AUGUST 3, 1948. Class 38.

503,650. PERIODICALS. AMERICAN CHEMICAL SOCIETY, Washington, D. C.
Filed September 17, 1947. Serial No. 534,724. PUBLISHED AUGUST 3, 1948. Class 38.

503,651. PERIODICALS. AMERICAN CHEMICAL SOCIETY, Washington, D. C.
Filed September 17, 1947. Serial No. 534,726. PUBLISHED AUGUST 3, 1948. Class 38.

503,652. MEN'S AND BOYS' HATS. BEE HAT & CAP CO., St. Louis, Mo.
Filed September 19, 1947. Serial No. 534,981. PUBLISHED JULY 27, 1948. Class 39.

503,653. MALTLESS SOFT DRINKS AND CARBONATED WATERS. SUBURBAN CLUB CARBONATED BEVERAGE CO., INC., Baltimore, Md.
Filed September 19, 1947. Serial No. 535,094. PUBLISHED AUGUST 3, 1948. Class 45.

503,654. CHILDREN'S HOSIERY. LE ROI HOSIERY CO. INC., New York, N. Y.
Filed September 20, 1947. Serial No. 535,165. PUBLISHED AUGUST 3, 1948. Class 39.

503,655. WOMEN'S, MISSES' AND GIRLS' COATS. PHILIP SHLANSKY & BRO., INC., New York, N. Y.
Filed September 23, 1947. Serial No. 535,348. PUBLISHED JULY 27, 1948. Class 39.

503,656. WINES. CRESTA BLANCA WINE COMPANY, INC., New York, N. Y., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware.
Filed September 24, 1947. Serial No. 535,491. PUBLISHED AUGUST 3, 1948. Class 47.

503,657. SECTION APPEARING REGULARLY IN PERIODICAL PUBLICATION. FARM JOURNAL, INC., Philadelphia, Pa.
Filed September 24, 1947. Serial No. 535,511. PUBLISHED AUGUST 3, 1948. Class 38.

503,658. HOSIERY. LE ROI HOSIERY CO. INC., New York, N. Y.
Filed September 24, 1947. Serial No. 535,573. PUBLISHED AUGUST 3, 1948. Class 39.

503,659. WOMEN'S HATS, FUR COATS, FUR JACKETS, FUR SCARVES, DRESSES, LEATHER, SATIN, SUEDE, CANVAS, AND REPTILE SKIN SHOES, ETC. ARNOLD, CONSTABLE & CO., INC., New York, N. Y.
Filed September 26, 1947. Serial No. 535,783. PUBLISHED JULY 27, 1948. Class 39.

503,660. ARTICLES OF PLASTIC MATERIAL FOR OUTER WEAR—NAMELY, APRONS, SMOCKS, CHILDREN'S CAPES, HOODS, ROMPERS, AND BIBS, BABIES' PANTS, RAIN HOODS, BATHING CAPS, AND MOP CAPS FOR PERSONAL WEAR. P. B. COW & CO. LIMITED, London, England.
Filed September 26, 1947. Serial No. 535,821. PUBLISHED JULY 27, 1948. Class 39.

503,661. MALTLESS SOFT DRINK. FONTENELLE SPRINGS, INC., Omaha, Nebr.
Filed September 27, 1947. Serial No. 535,946. PUBLISHED AUGUST 3, 1948. Class 45.

503,662. MALT BEVERAGES—NAMELY, BEER, ALE, PORTER, AND BOCK BEER. LOEWER'S BREWERY COMPANY, New York, N. Y.
Filed September 29, 1947. Serial No. 536,106. PUBLISHED AUGUST 3, 1948. Class 48.

503,663. BRASSIÈRES. EMILY LEITHOLD, doing business as Custom Maid Brassiere Co., Philadelphia, Pa.
Filed October 3, 1947. Serial No. 536,590. PUBLISHED JULY 20, 1948. Class 39.

503,664. MINERAL SUPPLEMENT FOR USE WITH LIVE STOCK AND POULTRY FEEDS. NUTRI-FEED CORPORATION, Smithsburg, Md.
Filed October 3, 1947. Serial No. 536,631. PUBLISHED JULY 27, 1948. Class 6.

503,665. POTABLE, DISTILLED, SPIRITOUS BEVERAGES, PARTICULARLY WHISKEY. THE ELVERSON DISTILLING COMPANY, INC., Philadelphia, Pa.
Filed October 11, 1947. Serial No. 537,577. PUBLISHED AUGUST 3, 1948. Class 49.

503,666. CHILDREN'S DRESSES. INFANETTE, INC., New York, N. Y.
Filed October 11, 1947. Serial No. 537,593. PUBLISHED JULY 27, 1948. Class 39.

503,667. WOMEN'S NIGHTGOWNS, PAJAMAS, HOUSECOATS, AND BED JACKETS. I. MILGRIM CO., Philadelphia, Pa.
Filed October 14, 1947. Serial No. 537,809. PUBLISHED JULY 27, 1948. Class 39.

503,668. SERIES OF TEXTBOOKS. CHARLES E. MERRILL CO., INC., Columbus, Ohio.
Filed October 16, 1947. Serial No. 538,022. PUBLISHED JULY 27, 1948. Class 38.

503,669. SERIES OF TEXTBOOKS. CHARLES E. MERRILL CO., INC., Columbus, Ohio.
Filed October 16, 1947. Serial No. 538,023. PUBLISHED JULY 27, 1948. Class 38.

503,670. SPECIALLY PREPARED CEREALS FOR THE FEEDING OF INFANTS AND YOUNG CHILDREN. AMERICAN HOME FOODS, INC., New York and Rochester, N. Y., assignor to American Home Foods, Inc., a corporation of Ohio.
Filed October 18, 1947. Serial No. 538,224. PUBLISHED AUGUST 3, 1948. Class 46.

503,671. WOMEN'S, MISSES', AND GIRLS' DRESSES. MARIE PHILLIPS, INC., New York, N. Y.
Filed October 25, 1947. Serial No. 539,083. PUBLISHED JULY 20, 1948. Class 39.

503,672. CHILDREN'S OUTER WEARING APPAREL—NAMELY, TROUSERS, SLACKS, JODHPURS, SHORTS, PLAY OVERALLS, TODDLER OVERALLS, AND JACKETS, AND SPORT JACKETS. TRI-PAREL CORPORATION, Philadelphia, Pa.
Filed October 29, 1947. Serial No. 539,460. PUBLISHED JULY 27, 1948. Class 39.

503,673. HATS FOR LADIES AND MISSES. ROSENTHAL ACKERMAN MILLINERY COMPANY, St. Louis, Mo.
Filed October 30, 1947. Serial No. 539,567. PUBLISHED JULY 27, 1948. Class 39.

503,674. BRASSIÈRES, FABRIC GIRDLE FOUNDATIONS, GIRDLES, ETC. THE WARREN FEATHERBONE CO., Three Oaks, Mich.
Filed August 5, 1947. Serial No. 540,356. PUBLISHED AUGUST 3, 1948. Class 39.

503,675. WORK GLOVES AND MITTENS OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. BELLE CITY GLOVE COMPANY, Chicago, Ill., and Racine, Wis.
Filed November 7, 1947. Serial No. 540,366. PUBLISHED JULY 27, 1948. Class 39.

503,676. QUARTERLY PUBLICATION. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed November 7, 1947. Serial No. 540,398. PUBLISHED AUGUST 3, 1948. Class 38.

503,677. PRINTED GREETING AND DISPLAY CARDS. KARL KOEHLER, Brooklyn, N. Y.
Filed November 10, 1947. Serial No. 540,681. PUBLISHED JULY 27, 1948. Class 38.

503,678. WOMEN'S UNDERGARMENTS — NAMELY, SLIPS, NIGHTGOWNS, PANTIES, PETTICOATS AND PAJAMAS. H. S. PETTICOAT COMPANY, INCORPORATED, Boston, Mass.
Filed November 10, 1947. Serial No. 540,707. PUBLISHED JULY 27, 1948. Class 39.

503,679. GIRDLES, CORSETS, BRASSIÈRES, PANTIES, CORSELETS, BANDEAUX, GARTER BELTS, MATERNITY GIRDLES, AND FOUNDATION GARMENTS. TREO COMPANY, INC., Jamaica, N. Y.
Filed November 10, 1947. Serial No. 540,740. PUBLISHED JULY 20, 1948. Class 39.

503,680. CHILDREN'S BLOUSES AND SLIPS, AND LADIES' BLOUSES, SLIPS, PANTIES, AND DRESSES. HELEN M. ZYWIECKA, New York, N. Y.
Filed November 10, 1947. Serial No. 540,751. PUBLISHED JULY 20, 1948. Class 39.

503,681. WOMEN'S AND MISSES' SUITS, COATS, DRESSES, BLOUSES, SHOES, WRAPS, CAPES, NIGHTGOWNS, RAINCOATS, HOSIERY, KNITTED AND TEXTILE UNDERWEAR, SLIPS, PAJAMAS, NEGLIGEES, AND TRIMMED AND UNTRIMMED HATS. THE BLUM STORE, Philadelphia, Pa.
Filed November 12, 1947. Serial No. 540,766. PUBLISHED JULY 20, 1948. Class 39.

503,682. GIRDLES. LITE MANUFACTURING CO., INC., New York, N. Y.
Filed November 12, 1947. Serial No. 540,835. PUBLISHED JULY 20, 1948. Class 39.

503,683. WOMEN'S AND MISSES' DRESSES AND FROCKS. STIX, BAER & FULLER COMPANY, St. Louis, Mo.
Filed November 19, 1947. Serial No. 541,716. PUBLISHED JULY 27, 1948. Class 39.

503,684. PERIODICALS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed July 31, 1947. Serial No. 541,784. PUBLISHED JULY 27, 1948. Class 38.

503,685. BRASSIÈRES. NUZAN BRASSIERE CO., INC., New York, N. Y.
Filed November 26, 1947. Serial No. 542,483. PUBLISHED JULY 27, 1948. Class 39.

503,686. LIQUID TREATMENT TANKS AND EQUIPMENT OF THE SLUDGE BLANKET TYPE FOR THE REMOVAL OF HARDNESS, TURBIDITY, COLOR, SILICA, AND OTHER IMPURITIES FROM WATER AND OTHER LIQUIDS. GRAVER TANK & MFG. CO., INC., East Chicago, Ind.
Filed December 31, 1947. Serial No. 542,900. PUBLISHED AUGUST 3, 1948. Class 23.

503,687. PERIODICAL PUBLICATIONS. LEWIS-SHEPARD PRODUCTS, INC., Watertown, Mass.
Filed December 8, 1947. Serial No. 543,725. PUBLISHED JULY 27, 1948. Class 38.

503,688. MAGAZINE COLUMN. THE NEW YORKER MAGAZINE, INC., New York, N. Y.
Filed December 10, 1947. Serial No. 543,980. PUBLISHED JULY 27, 1948. Class 38.

503,689. ATHLETIC SHIRTS, ATHLETIC SHORTS, AND POLO SHIRTS FOR MEN, YOUTHS, AND BOYS. C. C. VALENTINE & COMPANY, INC., New York, N. Y.
Filed August 12, 1947. Serial No. 544,511. PUBLISHED JULY 20, 1948. Class 39.

503,690. ATHLETIC SHIRTS, ATHLETIC SHORTS, AND POLO SHIRTS FOR MEN, YOUTHS, AND BOYS. C. C. VALENTINE & COMPANY, INC., New York, N. Y.
Filed August 12, 1947. Serial No. 544,512. PUBLISHED AUGUST 3, 1948. Class 39.

503,691. PERIODICAL PUBLICATION. PILLSBURY MILLS, INC., Minneapolis, Minn.
Filed December 18, 1947. Serial No. 544,760. PUBLISHED JULY 20, 1948. Class 38.

503,692. PHOTOGRAPH EMBEDDED IN MOULDED PHOTO FRAME. ARMEN, INC., New York, N. Y.
Filed January 12, 1948. Serial No. 546,750. PUBLISHED JULY 27, 1948. Class 38.

503,693. MAGAZINE PUBLISHED QUARTERLY. NATIONAL DENTAL HYGIENE ASSOCIATION, INC., Washington, D. C., and New York, N. Y.
Filed January 22, 1948. Serial No. 547,755. PUBLISHED JULY 6, 1948. Class 38.

503,694. MAGAZINE PUBLISHED MONTHLY. MODERN HANDCRAFT, INC., Kansas City, Mo.
Filed February 16, 1948. Serial No. 549,826. PUBLISHED JULY 27, 1948. Class 38.

Service Marks

503,695. SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN AND INSTALMENT CREDIT BUSINESS. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del.
Filed July 5, 1947. Serial No. 527,274. PUBLISHED AUGUST 3, 1948. Class 55.

503,696. SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN AND INSTALMENT CREDIT BUSINESS. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del.
Filed July 5, 1947. Serial No. 527,277. PUBLISHED JULY 27, 1948. Class 55.

503,697. ENGINEERING AND CONTRACTING SERVICES FOR HOUSEHOLD, COMMERCIAL AND INDUSTRIAL ELECTRICAL INSTALLATIONS AND REPAIRS TO SUCH INSTALLATIONS AND TO ELECTRICAL APPLIANCES AND APPARATUS. MILTON L. KLEIN, doing business as A C Electric Company, Washington, D. C.
Filed August 5, 1947. Serial No. 530,516. PUBLISHED JULY 27, 1948. Class 55.

503,698. INDUSTRIAL WELDING, ERECTION AND MAINTENANCE OF STEEL STRUCTURES, AND LAYING AND MAINTENANCE OF PIPE LINES. THE HALLEN COMPANY, INC., Long Island City, N. Y.
Filed August 13, 1947. Serial No. 531,207. PUBLISHED JULY 27, 1948. Class 55.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

503,699. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAN PERKINS COMPANY, Memphis, Tenn. Filed Mar. 25, 1948. Serial No. 503,663.

COLORITE

FOR A CERTIFIED FOOD COLOR TO BE USED IN AND ON FOODS.
Claims use since Jan. 1, 1934.

503,700. (CLASS 38. PRINTS AND PUBLICATIONS.) HAZEL INEZ SIMONS, doing business as American Repertory Theatre, Hollywood, Calif. Filed May 3, 1948. Serial No. 509,538.

American Repertory Theatre

The vertical lining on the drawing indicates parts in red.
FOR MAGAZINE OR PERIODICAL.
Claims use since Sept. 11, 1946.

503,701. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE C. HESTER, Los Angeles and Hollywood, Calif. Filed Oct. 13, 1947. Serial No. 509,843.

JANET HESTER

The name "Janet Hester" is fanciful.
FOR PERFUMES.
Claims use since Sept. 10, 1946.

503,702. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANK H. RILEY, doing business as Leather Lustre, Greenbelt, Md. Filed Jan. 27, 1948. Serial No. 510,542.

LEATHER LUSTRE

FOR A PRESERVATIVE AND CLEANER FOR LEATHER.
Claims use since May 1, 1946.

503,703. (CLASS 38. PRINTS AND PUBLICATIONS.) HARLE PUBLICATIONS, INC., New York, N. Y., and Springfield, Mass. Filed June 24, 1948. Serial No. 512,331.

DIME AND A HALF CROSSWORDS

FOR BI-MONTHLY CROSSWORD PUBLICATION.
Claims use since Oct. 31, 1946.

503,704. (CLASS 31. FILTERS AND REFRIGERATORS.) REFRIGERATION SYSTEMS, INC., Chicago, Ill. Filed Jan. 26, 1948. Serial No. 514,909.



The drawing is lined for the color red. The part of the mark that represents a man is fanciful.

FOR ICE BOXES, ELECTRIC HOUSEHOLD REFRIGERATORS, LOW TEMPERATURE FREEZERS FOR HOME USE, WATER COOLERS, BEVERAGE COOLERS, BOTTLE COOLERS, REFRIGERATOR TYPE WALK-IN BOXES, REFRIGERATOR TYPE REACH-IN BOXES, REFRIGERATED DISPLAY CASES, TWO TEMPERATURE REFRIGERATOR BOXES, REFRIGERATED DIRECT DRAW BEER APPARATUS, REFRIGERATOR BEER DISPENSING APPARATUS, REFRIGERATED CASES FOR FROZEN FOOD, REFRIGERATED DAIRY DISPLAY CASES, MILK COOLERS, FROZEN FOOD CABINETS AND ICE CREAM CABINETS.

Claims use since June 28, 1946.

503,705. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE MOTLOID CO., INC., Chicago, Ill. Filed Mar. 12, 1948. Serial No. 516,712.

INTER-POLYMER

FOR ACRYLIC DENTURE BASE MATERIAL.

Claims use since Nov. 1, 1946.

503,706. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CY RAMAGE, doing business as Little Farms, Chula Vista, Calif. Filed June 21, 1948, Serial No. 529,822.

DING HOW

The mark may be translated as "the very best."

FOR FRESH VEGETABLES.

Claims use since June 3, 1947.

503,707. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MAICO COMPANY, INCORPORATED, Minneapolis, Minn. Filed Aug. 16, 1948. Serial No. 532,947.

WHAT'S NEW IN *Hearing*

FOR A PERIODIC PUBLICATION.

Claims use since Mar. 1, 1947.

503,708. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GARTH E. GREEN, doing business as Throat-Eze Laboratories, Atlanta, Ga. Filed Aug. 13, 1948. Serial No. 547,113.

THROAT EZE

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF MINOR SKIN AND THROAT IRRITATIONS.

Claims use since Dec. 5, 1944.

TRADE-MARK REGISTRATIONS RENEWED

70,428. "GILLETTE" ETC. AND DIAMOND SHAPED DESIGN. Registered Sept. 1, 1908. Gillette Safety Razor Co. Re-renewed Sept. 1, 1948, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. SHAVING BRUSHES. Class 29.

70,510. PREMIUM. Registered Sept. 8, 1908. Sanford Manufacturing Co., Chicago, Ill. Re-renewed Sept. 8, 1948, to Sanford Ink Company, Bellwood, Ill., a corporation of Illinois. WRITING FLUID. Class 11.

70,629. "PERFECTION" ETC. AND DESIGN. Registered Sept. 15, 1908. Perfection Biscuit Company, Fort Wayne, Ind., a corporation of Indiana. Re-renewed Sept. 15, 1948. WAFERS, BISCUITS, CRACKERS, CAKES, AND BREAD. Class 46.

71,030. "DR. J. A. DICKEY'S" ETC. Registered Oct. 27, 1908. Robert Moulthrop, Enfaula, Ala. Re-renewed Oct. 27, 1948, to James J. Durr, doing business as Dickey Eye Water Co., Montgomery, Ala. EYE-WATER. Class 6.

71,429. BURSON. Registered Nov. 24, 1908. Burson Knitting Company, Rockford, Ill., a corporation of Illinois. Re-renewed Nov. 24, 1948. HOSIERY. Class 39.

72,406. "PROSPERITY" ETC. AND REPRESENTATION OF HORSE SHOE AND DESIGN. Registered Jan. 26, 1909. The National Soap and Chemical Co., Toledo, Ohio. Re-renewed Jan. 26, 1949, to Carman & Co., Inc., New York, N. Y., a corporation of New York. DETERGENT WASHING POWDER. Class 4.

136,511. FIXOL. Registered Nov. 2, 1920. The Leadenhall Press, Limited. Renewed Nov. 2, 1940 (as provided by P. L. 517, July 17, 1946), to Fixol & Stickphast, Ltd., London, England, a British corporation. ADHESIVE PASTES AND MUCILAGES. Class 5.

176,068. "ASOL" AND DESIGN. Registered Nov. 13, 1923. Maurice Louis Detourbe. Renewed Nov. 13, 1943 (as provided by P. L. 517, July 17, 1946), to Societe Veuve M. Detourbe & Cie., Paris, France, a French firm. READY-MIXED PAINTS, VARNISHES, DRY COLORS, PAINT ENAMELS, LACQUERS, AND ROOFING PAINTS. Class 16.

176,075. LAKTINOL. Registered Nov. 13, 1923. Maurice Louis Detourbe. Renewed Nov. 13, 1943 (as provided by P. L. 517, July 17, 1946), to Societe Veuve M. Detourbe & Cie., Paris, France, a French firm. READY MIXED PAINTS, VARNISHES, DRY COLORS, PAINT ENAMELS, LACQUERS, AND ROOFING PAINTS. Class 16.

177,720. REPRESENTATION OF ROOSTER. Registered Dec. 25, 1923. Pathe-Cinema, Anciens Etablissements Pathe-Freres, Paris, France, a corporation organized under the laws of the Republic of France. Renewed Dec. 25, 1943 (as provided by P. L. 517, July 17, 1946). CAMERAS FOR TAKING CINEMATOGRAPHIC PICTURES, CINEMATOGRAPHIC PROJECTING LANTERNS, ETC. Class 26.

179,750. RHODIASETA. Registered Feb. 12, 1924. Societe Rhodiaceta, Paris, France, a corporation organized under the laws of France. Renewed Feb. 12, 1944 (as provided by P. L. 517, July 17, 1946). ARTIFICIAL SILK FABRIC MADE FROM FIBERS PRODUCED FROM ACETATE OF CELLULOSE. Class 42.

182,333. "LUNA BRAND" ETC. AND DRAWING. Registered Apr. 8, 1924. A/S Einar Hausvik & Co. Renewed Apr. 8, 1944 (as provided by P. L. 517, July 17, 1946), to Concord Canning Co. A/S, Bergen, Norway, a corporation organized under the laws of the Kingdom of Norway. CANNED SARDINES. Class 46.

193,530. "NEO-FIL" ETC. AND DRAWING. Registered Dec. 30, 1924. Etablissements Chané & Dumail. Renewed Dec. 30, 1944 (as provided by P. L. 517, July 17, 1946), to Societe Anonyme Gillet-Thaon, Paris, France, a corporation of France. TEXTILE FABRICS—NAMELY, FOR HEMP, FLAX, COTTON, JUTE FABRICS. Class 42.

195,026. "PATHE" AND REPRESENTATION OF ROOSTER AND DRAWING. Registered Feb. 17, 1925. Pathe-Cinema, Anciens Etablissements Pathe-Freres, Paris, France, a corporation organized under the laws of the Republic of France. Renewed Feb. 17, 1945 (as provided by P. L. 517, July 17, 1946). PHOTOGRAPHIC PLATES, SENSITIZED PAPERS FOR PHOTOGRAPHIC PRINTS, ETC. Class 26.

227,352. ALAMAC. Registered May 3, 1927. Barnett Bros., New York, N. Y., a firm. Renewed May 3, 1947. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS. Class 39.

240,780. SNUZE. Registered Apr. 10, 1928. Ware Shoals Manufacturing Company, Ware Shoals, S. C. Renewed Apr. 10, 1948, to Riegel Textile Corporation, New York, N. Y., a corporation of Delaware. COTTON PILLOWCASES, COTTON SHEETS, AND COTTON HANDKERCHIEFS. Classes 39 and 42.

240,781. KLEEN-WINK. Registered Apr. 10, 1928. Ware Shoals Manufacturing Company, Ware Shoals, S. C. Renewed Apr. 10, 1948, to Riegel Textile Corporation, New York, N. Y., a corporation of Delaware. COTTON PILLOWCASES, COTTON SHEETS, AND COTTON HANDKERCHIEFS. Classes 39 and 42.

242,113. PIKIE MINNOW. Registered May 15, 1928. The Creek Chub Bait Company, Garrett, Ind., a corporation of Indiana. Renewed May 15, 1948. ARTIFICIAL BAITS. Class 22.

243,826. OKEH. Registered July 3, 1928. General Phonograph Corporation, New York, N. Y., assignor to Okeh Phonograph Corporation. Renewed July 3, 1948, to Columbia Records Inc., Bridgeport, Conn., a corporation of Delaware. TALKING-MACHINE AND PHONOGRAPH RECORDS. Class 36.

244,072. "BLUE BRAND H-P" AND BACKGROUND DESIGN LINED FOR ROYAL-BLUE COLOR. Registered July 10, 1928. Hobbs-Parsons Co., Fresno, Calif., a corporation of California. Renewed July 10, 1948. FRESH APPLES, FRESH BANANAS, DRIED BEANS, EGGS, FRESH LEMONS, DRIED ONIONS, FRESH ORANGES, ETC. Class 46.

244,116. GASTEX. Registered July 10, 1928. The Grasselli Chemical Company, Cleveland, Ohio. Renewed July 10, 1948, to General Atlas Carbon Company, Boston, Mass., a corporation of Massachusetts. CARBON BLACK. Classes 1 and 16.

245,891. DAWN. Registered Aug. 28, 1928. Ware Shoals Manufacturing Company, Ware Shoals, S. C. Renewed Aug. 28, 1948, to Riegel Textile Corporation, New York, N. Y., a corporation of Delaware. COTTON PILLOWCASES AND COTTON SHEETS. Class 42.

245,930. ALBOMIST. Registered Aug. 28, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Aug. 28, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. NOSE AND THROAT SPRAYS. Class 6.

245,932. ALB. Registered Aug. 28, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Aug. 28, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. NOSE AND THROAT SPRAYS. Class 6.

245,979. KUMA. Registered Aug. 28, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Aug. 28, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. MAGNESIUM HYDROXIDE. Class 6.

245,981. PURSANG. Registered Aug. 28, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Aug. 28, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. ALTERNATIVE GENERAL TONICS AND LAXATIVES. Class 6.

245,982. BAVE. Registered Aug. 28, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Aug. 28, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. OINTMENT FOR CUTS, BURNS, BRUISES, COLDSORES, PIMPLES, AND AS A QUICK-HEALING ANTISEPTIC SALVE. Class 6.

246,621. SUPERLA. Registered Sept. 11, 1928. Superla Laboratories, Inc. Renewed Sept. 11, 1948, to Superla Products, Inc., Chicago, Ill., a corporation of Illinois. POLISH OR GLOSS FOR CLEANING AND POLISHING AUTOMOBILE BODIES AND THE LIKE. Class 16.

246,969. RED AND BLUE LINE DESIGN. Registered Sept. 18, 1928. William L. Barrell Co. of New York, Inc. Renewed Sept. 18, 1948, to William L. Barrell Company, New York, N. Y., a corporation of Maine. COTTON DUCK IN THE PIECE. Class 42.

247,027. "THE GRAY LINE" ENCLOSED BY DIAMOND DESIGN LINED FOR BLUE. Registered Sept. 18, 1928. The Association of Gray Line Owners, Baltimore, Md. Renewed Sept. 18, 1948, to The Gray Line Association, Inc., Chicago, Ill., a corporation of Maryland. BOOKLETS PUBLISHED FROM TIME TO TIME. Class 38.

247,028. PENIMAID. Registered Sept. 18, 1928. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed Sept. 18, 1948, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. LADIES' GARTERS. Class 39.

247,033. FANCIFUL REPRESENTATION OF A WOMAN. Registered Sept. 18, 1928. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed Sept. 18, 1948, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. UMBRELLAS. Class 41.

247,080. GLADNESS. Registered Sept. 18, 1928. Happiness Bakeries, Inc., St. Paul, Minn. Renewed Sept. 18, 1948, to Gladness Bakeries, Incorporated, Minneapolis, Minn., a corporation of Minnesota. CAKES, ROLLS, BREAD, PIE, TOAST, AND DOUGHNUTS. Class 46.

247,361. MULTIPLICITY OF STRIPES EXTENDING ABOUT THE INTERMEDIATE PORTION OF A TRUNK. Registered Sept. 25, 1928. The Oshkosh Trunk Company. Renewed Sept. 25, 1948, to Oshkosh Trunks and Luggage, Oshkosh, Wis., a corporation of Wisconsin. WARDROBE TRUNKS, DRESS TRUNKS, CABIN OR STEAMER TRUNKS; SHOE, SHIRTWAIST, AND HAT TRUNKS; ETC. Class 3.

247,416. "GRAL" AND DESIGN. Registered Sept. 25, 1928. Paul Peter Mülhens, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Sept. 25, 1948. EAU DE COLOGNE WATER, PERFUMERY, HAIR TONICS, SHAMPOO, BRILLIANTINE, ETC. Class 6.

247,725. REZYL. Registered Oct. 2, 1928. Ellis-Foster Company, Montclair, N. J. Renewed Oct. 2, 1948, to American Cyanamid Company, New York, N. Y., a corporation of Maine. SYNTHETIC RESINS FOR COATING AND IMPREGNATING PURPOSES. Class 16.

248,179. FORMOLID. Registered Oct. 16, 1928. Henry K. Wampole and Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 16, 1948. NONTOXIC ANTISEPTIC SOLUTION FOR EXTERNAL AND INTERNAL USE, AS MOUTH WASH, ETC. Class 6.

248,315. CREO-TERPIN. Registered Oct. 16, 1928. Henry K. Wampole and Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 16, 1948. COUGH MIXTURE. Class 6.

248,432. PENIMAID. Registered Oct. 23, 1928. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed Oct. 23, 1948, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. UMBRELLAS. Class 41.

248,901. "SEPAR" ENCLOSED BY OVAL DESIGN. Registered Nov. 6, 1928. J. Aron & Company, Inc., New Orleans, La., a corporation of Louisiana. Renewed Nov. 6, 1948. GREEN COFFEE. Class 46.

248,902. "GENBO" ENCLOSED BY OVAL DESIGN. Registered Nov. 6, 1928. J. Aron & Company, Inc., New Orleans, La., a corporation of Louisiana. Renewed Nov. 6, 1948. GREEN COFFEE. Class 46.

248,935. "GRAN'PA'S" ETC. AND REPRESENTATION OF EAR OF CORN. Registered Nov. 6, 1928. Orville L. Hawkins. Renewed Nov. 6, 1948, to Nora Hawkins, Indianapolis, Ind. POP-CORN CONFECTIONS. Class 46.

250,085. NIKITA. Registered Nov. 27, 1928. Joseph Lesquendieu, Paris, France, assignor to Lesquendieu, Incorporated. Renewed Nov. 27, 1948, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware. CREAM ROUGE FOR THE LIPS AND LIPSTICKS. Class 6.

251,027. PLEE-ZING. Registered Dec. 25, 1928. George W. Simmons Corporation, New York, N. Y. Renewed Dec. 25, 1948, to Plee-Zing, Inc., Chicago, Ill., a corporation of Illinois. CHLORINATED LIME AND AMMONIA. Class 6.

251,119. "NO RUN" ETC. Registered Dec. 25, 1928. Gotham Silk Hosiery Co. Inc. Renewed Dec. 25, 1948, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware. HOSIERY. Class 39.

251,271. HYGETTE. Registered Jan. 1, 1929. Western Pharmacal Company. Renewed Jan. 1, 1949, to Western Pharmacal Company, Salt Lake City, Utah, a partnership. ANTISEPTIC POWDER. Class 6.

251,277. SATIN. Registered Jan. 1, 1929. Irvine Valencia Growers, Irvine, Calif., a corporation of California. Renewed Jan. 1, 1949. FRESH CITRUS FRUITS. Class 46.

251,501. STOX. Registered Jan. 8, 1929. The Fleischmann Company, Cincinnati, Ohio, and New York, N. Y. Renewed Jan. 8, 1949, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. VEGETABLE PRODUCT SUITABLE FOR USE IN PLACE OF MEAT STOCK FOR SOUPS AND BOUILLONS OR AS A MEATLIKE FLAVOR IN OTHER DISHES. CLASS 46.

251,556. BARBARA GOULD. Registered Jan. 8, 1929. Barbara Gould, Ltd., Rochester and New York, N. Y. Renewed Jan. 8, 1949, to Barbara Gould, Inc., New York, N. Y., a corporation of New York. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. Class 6.

251,608. BANNER! Registered Jan. 8, 1929. Challenge Cream & Butter Association, Los Angeles, Calif., a corporation of California. Renewed Jan. 8, 1949. UNSWEETENED EVAPORATED MILK. Class 46.

251,857. DOUBLE EAGLE. Registered Jan. 15, 1929. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Jan. 15, 1949. PNEUMATIC TIRES CONSTRUCTED WHOLLY OR PARTLY OF RUBBER AND USED FOR MOTOR TRUCKS, MOTOR CARS, MOTOR CYCLES, BICYCLES, ETC. Class 35.

252,141. BRILL'S BAKE-LITE WITH LINING DENOTING RED. Registered Jan. 22, 1929. H. C. Brill Company, Inc., Newark, N. J., a corporation of New Jersey. Renewed Jan. 22, 1949. BAKING POWDER. Class 46.

252,221. TWEED. Registered Jan. 29, 1929. Irvine Valencia Growers, Irvine, Calif., a corporation of California. Renewed Jan. 29, 1949. FRESH CITRUS FRUITS. Class 46.

252,250. RIBBON DESIGN. Registered Jan. 29, 1929. Old Trusty Dog Food Company, Needham Heights, Mass., a corporation of Massachusetts. Renewed Jan. 29, 1949. DOG FOOD. Class 46.

252,296. BELDING'S. Registered Jan. 29, 1929. Belding Heminway Company. Renewed Jan. 29, 1949, to Belding Heminway Company, Inc., New York, N. Y., a corporation of Delaware. HOSIERY. Class 39.

252,393. AIMCEE. Registered Feb. 5, 1929. Associated Merchandising Corporation. Renewed Feb. 5, 1949, to The Associated Merchandising Corporation, New York, N. Y., a corporation of New York. HOSE SUPPORTERS. Class 39.

252,566. SOPRANI. Registered Feb. 12, 1929. Arthur B. Miller, Seattle, Wash. Renewed Feb. 12, 1949, to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana. PIANO ACCORDIONS, CHROMATIC ACCORDIONS, "GERMAN-STYLE" ACCORDIONS, ETC. Class 36.

252,665. ROYTYPE. Registered Feb. 12, 1929. Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 12, 1949. TYPEWRITING-MACHINE ACCESSORIES. Class 23.

252,667. AIMCEE. Registered Feb. 12, 1929. Associated Merchandising Corporation. Renewed Feb. 12, 1949, to The Associated Merchandising Corporation, New York, N. Y., a corporation of New York. SANITARY NAPKINS, SANITARY SHADOW SKIRTS, SANITARY APRONS, SANITARY DRESS PROTECTORS, ETC. Class 44.

252,779. McCORMICK-DEERING. Registered Feb. 12, 1929. International Harvester Company, Chicago, Ill., a corporation of New Jersey. Renewed Feb. 12, 1949. TWINE. Class 7.

252,783. "SPHINX" AND REPRESENTATION OF SPHINX. Registered Feb. 12, 1929. L. Hilsenbeck, Inc. Renewed Feb. 12, 1949, to Julius Schmid, Inc., New York, N. Y., a corporation of New York. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. Class 44.

253,165. "'ADMIRATION HOSIERY'" ETC. AND DESIGN. Registered Feb. 19, 1929. Cooper, Wells, & Co., St. Joseph, Mich., a corporation of Michigan. Renewed Feb. 19, 1949. HOSIERY. Class 39.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

196,118. CARAVAN MOTOR OIL AND DESIGN. Registered Mar. 10, 1925. Standard Oil Company, San Francisco, Calif. MOTOR LUBRICATING OILS. Class 15. The drawing is hereby amended to appear as follows:

CARAVAN

243,378. U. M. K. Registered June 19, 1928. Union Miniere Du Haut Katanga, Brussels, Belgium. ELECTROLYTIC COPPER OF VARIOUS FORMS. Class 14. Corrected as follows: In the certificate, line 4, "the Kingdom of Belgium" should be *Belgian Congo*; and in the statement, lines 2, 3 and 4, "existing under the laws of Belgium, and located at Brussels, Belgium" should be *existing under the laws of Belgian Congo, located at Elizabethville, Belgian Congo.*

403,487. MARY BAKER EDDY. Registered Sept. 28, 1943. George Wendell Adams, et al., trustees under the will of Mary Baker G. Eddy, deceased, Boston, Mass. PRINTED BOOKS AND PUBLICATIONS PUBLISHED PERIODICALLY. Class 38. Corrected as follows: In the new certificate, line 14, for "W. Stuart Booth & Francis Lyster Jandron" read *Francis Lyster Jandron and Alfred Pittman.*

436,736. NEOPONE. Registered Feb. 17, 1948. Ultra Chemical Works, Incorporated, Paterson, N. J. SURFACE ACTIVE AGENTS USEFUL AS WETTING AGENTS, ETC. Class 6. Corrected as follows: In the certificate, lines 2 and 15; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, "Ultra Chemical Works, Incorporated" should be *Ultra Chemical Works, Inc.*

439,304. STEP SAVER. Registered June 15, 1948. Red Jacket Coal Sales Company, Columbus, Ohio. ELECTRIC MOTOR-ACTUATED FURNACE DRAFT AND DAMPER CONTROLS AND REGULATORS. Class 34. Corrected as follows: In the certificate, line 3, second occurrence; and in the statement, line 3, first occurrence, "Ohio" should be *Delaware.*

440,223. NATIONAL. Registered Aug. 17, 1948. The Huffman Manufacturing Company, Dayton, Ohio. BICYCLES AND STRUCTURAL PARTS THEREOF. Class 19. Corrected as follows: In the statement, second column, line 2, date of use, for "November 5, 1946" read *November 25, 1933.*

440,225. "NATIONAL" AND DESIGN. Registered Aug. 17, 1948. The Huffman Manufacturing Company, Dayton, Ohio. BICYCLES AND STRUCTURAL PARTS THEREOF. Class 19. Corrected as follows: In the statement, second column, line 2, date of use, for "November 25, 1933" read *November 5, 1946.*

500,521. "LL" AND DESIGN. Registered June 1, 1948. Lucien Lelong, Inc., Chicago, Ill. SOAP. Class 4. Corrected as follows: In the declaration, last line thereof, after the word and period "true." insert the following sentence: *Affiant further says that his signature appearing below has been applied both in his capacity as an individual subscribing to this affidavit and in his capacity as an officer of the applicant corporation.*

501,238. PEG O MY HEART. Registered July 27, 1948. Lactona Incorporated, St. Paul, Minn. THREE-PIECE BRUSH AND COMB SET. Class 29. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Delaware" should be *Minnesota.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 175,089. Registered Oct. 30, 1923. DIAMOND STATE FIBRE COMPANY, Elsmere, Del., and Bridgeport, Pa. Republished by Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware.

CELORON

FOR LAMINATED PHENOLIC CONDENSATION PRODUCT MADE BY IMPREGNATING MATERIALS, SUCH AS CERTAIN GRADES OF PAPER AND FABRIC WITH A COMBINATION OF PHENOL AND FORMALDEHYDE OR SIMILAR SYNTHETIC GUMS HARDENED BY HEATING.

Claims use since June 1919.

Reg. No. 384,591. Registered Jan. 21, 1941. NEW WRINKLE, INC., Dayton, Ohio, a corporation of Delaware. Republished by registrant.

WRINTEX

FOR RESINS USED IN THE MANUFACTURE OF WRINKLE FINISHES AND OTHER PAINT PRODUCTS.

Claims use since June 12, 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 290,658. Registered Jan. 12, 1932. NATIONAL BELLAS HESS COMPANY INC., New York, N. Y. Republished by National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware.

BELLECRAFT

FOR LADIES' LEATHER HANDBAGS.
Claims use since July 24, 1931.

Reg. No. 341,523. Registered Dec. 8, 1936. PYRAMID LEATHER GOODS COMPANY, New York, N. Y., a firm. Republished by registrant.

Schoolmate

FOR POCKETBOOKS.
Claims use since Sept. 1, 1931.

Reg. No. 350,569. Registered Sept. 28, 1937. PYRAMID LEATHER GOODS COMPANY, New York, N. Y., a firm. Republished by registrant.

Graduate

FOR CHILDREN'S HANDBAGS.
Claims use since Mar. 1, 1937.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 35,741. Registered Jan. 8, 1901. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

La Paloma

FOR SOAP.
Claims use since about May 2, 1900.

Reg. No. 101,787. Registered Jan. 12, 1915. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

WESTERN STAR

FOR SOAP.
Claims use since 1896.

Reg. No. 266,964. Registered Feb. 11, 1930. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

SUNSET

FOR SOAP.
Claims use since Oct. 2, 1901.

Reg. No. 346,555. Registered June 1, 1937. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

DITTO

FOR LIQUID SOAP AND TYPEWRITER TYPE AND PLATEN CLEANER.
Claims use since Feb. 8, 1929.

Reg. No. 395,609. Registered June 2, 1942. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.

Flea Insurance Kit

The words "Flea" and "Kit" are disclaimed apart from the mark as shown.
FOR FLEA SOAP.
Claims use since May 13, 1941.

Reg. No. 415,373. Registered Aug. 7, 1945. M. de TUVACHÉ, New York, N. Y. Republished by Tuvaché, Inc., New York, N. Y., a corporation of New York.

HIGHLANDER

FOR TOILET SOAP AND SHAVING CREAM.
Claims use since Nov. 8, 1938.

CLASS 5

ADHESIVES

Reg. No. 405,157. Registered Jan. 11, 1944. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

STIXSO

FOR ADHESIVES CONTAINING VEGETABLE PROTEIN AND SILICATE OF SODA OR EITHER OF THEM AND USED FOR THE MANUFACTURE OF FIBRE BOARD FOR USE AS WALL BOARD OR FOR THE MANUFACTURE OF CONTAINER STOCK OF EITHER CORRUGATED OR LAMINATED CONSTRUCTION.
Claims use since Apr. 13, 1936.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 47,467. Registered Nov. 7, 1905. GEORGE C. WILSON, Tyrone, Pa. Republished by The Wilson Chemical Company, Inc., Tyrone, Pa., a corporation of Delaware.

CLOVERINE

FOR SALVES FOR THE TREATMENT OF THE SKIN.
Claims use since Sept. 8, 1896.

Reg. No. 49,816. Registered Feb. 20, 1906. RICHARD SAMUEL STARKS, Midway, Ky. Republished by Estate of Richard Samuel Starks, Midway, Ky.

STARKS'
Headache Powders

FOR HEADACHE-POWDERS.
Claims use since 1875.

Reg. No. 112,555. Registered Sept. 12, 1916. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

C

FOR SODIUM SILICATE.
Claims use since on or about Feb. 26, 1912.

Reg. No. 161,102. Registered Nov. 7, 1922. CORN PRODUCTS REFINING CO., New York, N. Y. Republished by Corn Products Refining Company, New York, N. Y., a corporation of New Jersey.

LINIT

FOR LAUNDRY STARCH.
Claims use since Feb. 21, 1922.

Reg. No. 206,402. Registered Dec. 1, 1925. JACKSON BREWING COMPANY, New Orleans, La., a corporation of Louisiana. Republished by registrant.

JAX

FOR MALT TONIC.
Claims use since Mar. 10, 1925.

Reg. No. 236,839. Registered Dec. 27, 1927. THE FISHER BROTHERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

STARLITE

FOR LAUNDRY STARCH.
Claims use since Feb. 1, 1927.

Reg. No. 259,374. Registered July 30, 1929. RUDOLPH SMANIA, doing business as Smania Drug Company, Springfield, Mass. Republished by registrant.

BALSAMO
S. ANTONIO

The word "Balsamo" is disclaimed apart from the mark as shown.
FOR OINTMENT AND COUNTERIRRITANT FOR THE TREATMENT OF CONGESTION, SORENESS, INFLAMMATION AND COLDS.
Claims use since March 1920.

Reg. No. 282,352. Registered Apr. 21, 1931. SOCIETE des PARFUMS WEIL (SOCIETE ANONYME), Paris France. Republished by Parfums Weil Paris Co., New York, N. Y., a limited partnership.

HERMINE

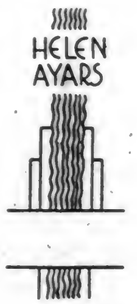
FOR FACE POWDERS, TALCUM POWDERS, ROUGES, PERFUMES, TOILET WATERS, BRILLIANTINES, FACE LOTIONS, COLD CREAMS, SKIN CREAMS, AND BATH SALTS.

Reg. No. 290,034. Registered Dec. 22, 1931. MORTON MANUFACTURING CORPORATION, Lynchburg, Va., a corporation of Virginia. Republished by registrant.

ALBORUM

FOR ASTRINGENT DEODORANT POWDER.
Claims use since Oct. 30, 1908.

Reg. No. 291,133. Registered Jan. 26, 1932. PURITAN PHARMACEUTICAL COMPANY, doing business as Puritan Cosmetics, Inc., St. Louis, Mo. Republished by Puritan Drug Company, St. Louis, Mo., a corporation of Missouri.



FOR PREPARATION TO STIMULATE THE SCALP, DEEP HAIR WAVE LOTION, PERMANENT WAVE OIL, OILATED SHAMPOO, AND HAND CREAM.
Claims use since Jan. 10, 1931.

Reg. No. 307,714. Registered Oct. 31, 1933. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MURASAN

FOR PREPARATIONS FOR THE TREATMENT OF PAPER TO MAKE SAME WASHABLE.
Claims use since Jan. 26, 1933.

Reg. No. 330,317. Registered Nov. 26, 1935. THE SHEFFIELD COMPANY, New York, N. Y., and New London, Conn., a corporation of Connecticut. Republished by registrant.



The words "Guarantee of Quality" are disclaimed apart from the mark as shown.
FOR TOOTH PASTE.
Claims use since Apr. 6, 1935.

Reg. No. 340,699. Registered Nov. 17, 1936. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

P

FOR SILICATE OF SODA, EITHER ANHYDROUS, HYDRATED, OR IN SOLUTION.
Claims use since June 2, 1936.

Reg. No. 341,250. Registered Dec. 1, 1936. R. B. SEMLER, INC., New York, N. Y., a corporation of New York. Republished by registrant, present address New Canaan, Conn.



The drawing is lined for the colors yellow and black.
FOR HAIR TONIC.
Claims use since Feb. 15, 1936.

Reg. No. 343,077. Registered Feb. 9, 1937. THE SHEFFIELD COMPANY, New London, Conn., a corporation of Connecticut. Republished by registrant.

VITA-BRITE

The word "Brite" is disclaimed apart from the mark as shown.
FOR TOOTH PASTE.
Claims use since Aug. 5, 1936.

Reg. No. 343,480. Registered Feb. 23, 1937. LESSING L. KOLE, doing business as Kolmar Laboratories, Milwaukee, Wis. Republished by Dare Cosmetics, Inc., Cincinnati, Ohio, a corporation of Delaware.

Dare

TO BE BEAUTIFUL

FOR ROUGE, LIPSTICKS, LOOSE POWDER, EYESHADOW, CREAM ROUGE, FACE CREAMS, CAKE MASCARA, CREAM MASCARA, LOTIONS, AND HAIR PREPARATIONS.
Claims use since Feb. 11, 1935.

Reg. No. 346,757. Registered June 8, 1937. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

DITTO

FOR CHEMICAL CLEANSING CREAM PREPARATION FOR REMOVING INK STAINS AND THE LIKE, A PREPARATION FOR BLOCKING OUT INK WRITING OR SPOTS AND A PREPARATION FOR DILUTING SAID BLOCKING OUT PREPARATION AND A GELATIN PREPARATION TO BE USED FOR FORMING PADS TO BE USED IN DUPLICATING PROCESSES.
Claims use since February 1929.

Reg. No. 350,068. Registered Sept. 14, 1937. BEAUTY COUNSELORS, INC., Detroit, Mich., a corporation of Michigan. Republished by registrant.

DINNER PARTY
PICK—UP

FOR TOILET PREPARATIONS IN THE FORM OF FACE CREAM AND FACE POWDER.
Claims use since on or about Apr. 10, 1937.

Reg. No. 353,510. Registered Jan. 11, 1938. CHEMCO PHOTOPRODUCTS COMPANY, Glen Cove and New York, N. Y. Republished by Chemco Photoproducts Company, Inc., Glen Cove, N. Y., a corporation of New York.



FOR PHOTO-ENGRAVING AND PHOTOGRAPHIC CHEMICALS—NAMELY, STRIPFILM, A FILM SUPPORTED OR BACKED ON PAPER WHICH STRIPS OR PULLS OFF WHEN CHEMICALLY TREATED, FROM PAPER TO GLASS, THE DEVELOPER FOR THE SAME, COLD ENAMEL, COLD ENAMEL DEVELOPER, ACID SULPHITE SOLUTION, AND COLLODION.
Claims use since Jan. 1, 1920.

Reg. No. 361,128. Registered Oct. 11, 1938. THE SHEFFIELD COMPANY, New York, N. Y., and New London, Conn., a corporation of Connecticut. Republished by registrant.

Sheffield

FOR TOOTH PASTE AND TOOTH POWDER.
Claims use since 1850.

Reg. No. 390,485. Registered Sept. 23, 1941. JACQUELINE COCHRAN, Roselle, N. J. Republished by Jacqueline Cochran, Indio, Calif., assignor to Jacqueline Cochran, Inc., Newark, N. J., a corporation of Delaware.

STRUT

FOR COSMETICS AND BEAUTY PREPARATIONS—NAMELY, CLEANSING CREAM, NIGHT CREAM, FACE POWDER, CREAM ROUGE, LIPSTICK AND SKIN LOTION.
Claims use since Oct. 8, 1940.

Reg. No. 391,961. Registered Dec. 2, 1941. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.

Flea Insurance Kit

The words "Flea" and "Kit" are disclaimed apart from the mark as shown.
FOR FLEA POWDER AND PINE OIL DISINFECTANT.
Claims use since May 13, 1941.

Reg. No. 392,416. Registered Dec. 23, 1941. JACQUELINE COCHRAN, Roselle, N. J. Republished by Jacqueline Cochran, Roselle, N. J., assignor to Jacqueline Cochran, Inc., Newark, N. J., a corporation of Delaware.

PURSUIT

FOR PERFUME.
Claims use since June 9, 1941.

Reg. No. 393,187. Registered Jan. 27, 1942. JACQUELINE COCHRAN, Roselle, N. J. Republished by Jacqueline Cochran, Indio, Calif., assignor to Jacqueline Cochran, Inc., Newark, N. J., a corporation of Delaware.

Perk-Up Red

The word "Red" is disclaimed apart from the mark as shown.
FOR COSMETICS AND BEAUTY PREPARATIONS—NAMELY, LIPSTICK, CREAM ROUGE AND DRY ROUGE.
Claims use since Aug. 26, 1941.

Reg. No. 393,188. Registered Jan. 27, 1942. JACQUELINE COCHRAN, Roselle, N. J. Republished by Jacqueline Cochran, Indio, Calif., assignor to Jacqueline Cochran, Inc., Newark, N. J., a corporation of Delaware.

Shining Hour

FOR PERFUME.
Claims use since Aug. 26, 1941.

Reg. No. 396,223. Registered June 30, 1942. BEAUTY COUNSELORS, INC., Grosse Pointe, Mich., a corporation of Michigan. Republished by registrant.

Jiff-on

FOR LIQUID PREPARATION ADAPTED FOR USE ON THE LEGS TO CREATE THE EFFECT OF SILK STOCKINGS.
Claims use since Jan. 15, 1942.

Reg. No. 397,229. Registered Aug. 25, 1942. JACQUELINE COCHRAN, Roselle, N. J. Republished by Jacqueline Cochran, Indio, Calif., assignor to Jacqueline Cochran, Inc., Newark, N. J., a corporation of Delaware.



FOR COSMETICS AND BEAUTY PREPARATIONS—NAMELY, CLEANSING CREAM, LIQUEFYING CLEANSING CREAM, NIGHT CREAM BLEND, AND NIGHT CREAM.
Claims use since Mar. 18, 1941.

Reg. No. 405,811. Registered Feb. 22, 1944. GEORGE W. BUTTON CO., New York, N. Y., a partnership. Republished by registrant.

Reckless

FOR PERFUMES.
Claims use since Sept. 22, 1943.

Reg. No. 413,543. Registered May 1, 1945. GEORGE W. BUTTON CO., New York, N. Y., a partnership. Republished by registrant.

A wee bit bold

FOR PERFUMES, TOILET WATERS, AND COLOGNES.
Claims use since Oct. 11, 1944.

Reg. No. 415,355. Registered Aug. 7, 1945. M. de TUVACHÉ, New York, N. Y. Republished by Tuvaché, Inc., New York, N. Y., a corporation of New York.

HIGHLANDER

FOR COLOGNE, TOILET WATER, TALCUM POWDER, PERSONAL DEODORANT AND HAIR LOTION.
Claims use since Nov. 8, 1938.

Reg. No. 416,813. Registered Oct. 2, 1945. E. M. PEET MANUFACTURING COMPANY, Council Bluffs, Iowa, Indianapolis, Ind., and Oakland, Calif., a corporation of Iowa. Republished by registrant.



The words "Perfection Products" are disclaimed apart from the mark as shown.
FOR PREPARATION FOR ELIMINATION OF WORMS IN LIVESTOCK; INSECTICIDES; INSECTICIDAL LIQUID DIP, AND SUPPLEMENTAL MINERAL FEEDS FOR HOGS, HORSES, CATTLE, SHEEP AND POULTRY.
Claims use since July 3, 1931.

Reg. No. 418,885. Registered Jan. 15, 1946. TUVACHÉ Co., New York, N. Y. Republished by Tuvaché, Inc., New York, N. Y., a corporation of New York.

TUVACHÉ

FOR PERFUME, COLOGNE, HAIR LOTION, SKIN PERFUME, BATH OIL AND AFTER SHAVING LOTION.
Claims use since October 1938.

Reg. No. 423,368. Registered Aug. 27, 1946. TUVACHÉ Co., New York, N. Y. Republished by Tuvaché, Inc., New York, N. Y., a corporation of New York.

LOVE OF YOUR LIFE

FOR PERFUME, SKIN PERFUME, COLOGNE AND BATH OIL.
Claims use since Jan. 30, 1946.

Reg. No. 426,895. Registered Jan. 21, 1947. M. de TUVACHÉ, New York, N. Y., assignor to Tuvaché Co., New York, N. Y., a firm composed of Howard Angus and Bernadine Angus. Republished by Tuvaché, Inc., New York, N. Y., a corporation of New York.

COSSACK

FOR COLOGNE, HAIR LOTION AND TOILET WATER.
Claims use since Dec. 15, 1938.

Reg. No. 430,311. Registered June 10, 1947. TUVACHÉ Co., New York, N. Y. Republished by Tuvaché, Inc., New York, N. Y., a corporation of New York.

TUVARA

FOR PERFUME AND BATH OIL.
Claims use since Jan. 24, 1946.

Reg. No. 430,901. Registered July 1, 1947. MAAS & WALDSTEIN CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

COPEEL

FOR PLASTIC SUBSTANCES SOLD IN SOLID AND IN SOLUTION FORM. THE SOLID IS MELTED AND THE OBJECTS ARE DIPPED THEREIN. THE SOLUTIONS ARE USED FOR DIPPING PURPOSES AFTER WHICH THE SOLVENT IS EVAPORATED. THE PROTECTIVE COATING MAY BE PEELED FROM THE OBJECT WHEN DESIRED.
Claims use since June 1, 1945.

Reg. No. 432,471. Registered Sept. 2, 1947. SUNSHINE PRODUCTS COMPANY, Seattle, Wash., a partnership. Republished by registrant.

NO-UR-O

FOR DEODORANT AND DISINFECTANT.
Claims use since on or about Mar. 15, 1934.

CLASS 7

CORDAGE

Reg. No. 98,364. Registered July 14, 1914. COLUMBIAN ROPE COMPANY, Auburn, N. Y., a corporation of New York. Republished by registrant.



The trade-mark consists of a thin flat tape A and it is applied to the goods by being incorporated in the rope between the twisted elements of which the rope is formed.
FOR ROPE.
Claims use since Feb. 20, 1914.

Reg. No. 388,833. Registered July 15, 1941. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed apart from the mark as shown.
FOR BINDER TWINE.
Claims use since Nov. 15, 1939.

CLASS 10

FERTILIZERS

Reg. No. 238,391. Registered Feb. 7, 1928. ALBERT LEMUEL WHITING, Urbana, Ill. Republished by registrant.

Urbana Culture

All the words shown on the drawing and the representation of an inoculated root are disclaimed apart from the mark as shown.
FOR LEGUME INOCULATOR.
Claims use since Dec. 15, 1926.

CLASS 11

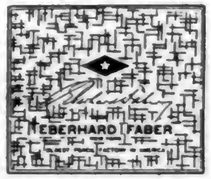
INKS AND INKING MATERIALS

Reg. No. 384,844. Registered Feb. 4, 1941. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

Masterset

FOR PAPER COATED WITH A TRANSFER MEDIUM ON ONE SIDE, TO BE USED IN DUPLICATING PROCESSES.
Claims use since July 23, 1940.

Reg. No. 416,942. Registered Oct. 9, 1945. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



In the drawing, the panel is lined for the color yellow. The words "New York", and "Oldest Pencil Factory in America" are disclaimed apart from the mark as shown.
FOR LEAD-PENCILS, COLORED PENCILS, COPYING PENCILS, CRAYONS, MECHANICAL PENCILS, FOUNTAIN PENS, LUMBER CRAYONS, PENCIL LENGTHENERS, PENCIL POINT PROTECTORS, COMBINED PENCIL AND COMPASS, THIN LEADS, PENHOLDERS, RUBBER ERASERS, KNEADED RUBBER ERASERS, GUM ERASERS, RUBBER BANDS, AND STAMP PADS.
Claims use since about 1909.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 87,145. Registered July 2, 1912. WILLIAM L. BARRELL Co., New York, N. Y., a corporation of Maine. Republished by registrant.



FOR CANVAS ROOFING.
Claims use since Dec. 11, 1916.

Reg. No. 203,670. Registered Sept. 22, 1925. THE METROPOLITAN PAVING BRICK COMPANY, Canton and Minerva, Ohio, and Bessemer, Pa., a corporation of Ohio. Republished by registrant, present address Canton, Ohio.

METROPOLITAN

FOR BUILDING AND PAVING BRICKS AND BLOCKS.
Claims use since Aug. 1, 1892.

Reg. No. 269,117. Registered Mar. 25, 1930. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TREMCO

FOR CONSTRUCTION MATERIALS—NAMELY, BITUMINOUS WATERPROOFING PRODUCTS IN BOTH LIQUID AND PLASTIC FORM, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Mar. 1, 1928.

Reg. No. 331,001. Registered Dec. 24, 1935. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

AQUANOX

FOR DAMP-PROOFING AND WATER-PROOFING PRODUCTS IN LIQUID, SEMILIQUID, AND PLASTIC FORM, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Mar. 1, 1928.

Reg. No. 368,672. Registered June 27, 1939. SOUTHPORT PAINT COMPANY, INC., Savannah, Ga., a corporation of Delaware. Republished by registrant, present address New Orleans, La.



REDYCOTE

The word "Redycote" is disclaimed apart from the mark as shown.
FOR ROOF COATING MATERIAL MADE OF PURE VEGETABLE GUM BASE, COMBINED WITH NON-DRYING OILS AND ASBESTOS FIBRES.
Claims use since 1916.

Reg. No. 370,216. Registered Aug. 22, 1939. ECONOMY FORMS CORPORATION, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

ECONOMY

FOR METAL FORMS FOR USE IN RETAINING CONCRETE STRUCTURES DURING THE SETTING AND HARDENING THEREOF.
Claims use since Oct. 1, 1933.

Reg. No. 393,348. Registered Feb. 10, 1942. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.



The words "Quality Products" are disclaimed apart from the mark as shown.
FOR PORTLAND CEMENT.
Claims use since Sept. 1, 1939.

Reg. No. 404,659. Registered Dec. 14, 1943. SOUTHPORT PAINT COMPANY, INC., Savannah, Ga., a corporation of Delaware. Republished by registrant, present address New Orleans, La.



FOR WATERPROOFING COMPOUNDS FOR MASONRY WALLS; SEALING, CAULKING AND FLASHING COMPOUNDS; SEMI-LIQUID ROOF-COATING COMPOUNDS; AND PLASTIC, ASBESTOS FIBRED ROOF COATING COMPOUNDS.
Claims use since March 1920.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 76,802. Registered Feb. 15, 1910. THE STRONG, CARLISLE & HAMMOND CO., Cleveland, Ohio. Republished by Strong, Carlisle & Hammond Company, Cleveland, Ohio, a corporation of Illinois.



FOR STEAM SPECIALTIES, COMPRISING STEAM-TRAPS, VACUUM-TRAPS, STEAM AND OIL SEPARATORS, REDUCING-VALVES, AND FEEDWATER REGULATORS.
Claims use since Feb. 12, 1908.

Reg. No. 79,107. Registered Aug. 9, 1910. CRESCENT BELT FASTENER COMPANY, New York, N. Y. Republished by Crescent Belt Fastener Company, Inc., New York, N. Y., a corporation of New York.



FOR FASTENERS, PLATES, CLAMPS AND RIVETS MADE OF ANY METAL FOR MACHINERY BELTING.
Claims use since September 1897.

Reg. No. 82,212. Registered June 13, 1911. CRESCENT BELT FASTENER COMPANY, New York, N. Y. Republished by Crescent Belt Fastener Company, Inc., New York, N. Y., a corporation of New York.

Crescent

FOR FASTENERS, PLATES, CLAMPS, AND RIVETS MADE OF ANY METAL FOR MACHINERY-BELTING.
Claims use since September 1897.

Reg. No. 102,628. Registered Feb. 16, 1915. CRESCENT BELT FASTENER COMPANY, New York, N. Y. Republished by Crescent Belt Fastener Company, Inc., New York, N. Y., a corporation of New York.

Cresco

FOR BELT-FASTENING PLATES, AND RIVETS MADE OF ANY METAL FOR MACHINERY-BELTING.
Claims use since 1901.

Reg. No. 154,911. Registered May 16, 1922. CRESCENT BELT FASTENER COMPANY, New York, N. Y. Republished by Crescent Belt Fastener Company, Inc., New York, N. Y., a corporation of New York.

CRESCENT
Make Good Belts Give Better Service

The drawing is lined for shading only. The words "Make Good Belts Give Better Service" are disclaimed apart from the mark as shown.
FOR FASTENERS, PLATES, CLAMPS, AND RIVETS MADE OF ANY METAL FOR MACHINERY BELTING.
Claims use since September 1897.

Reg. No. 154,914. Registered May 16, 1922. DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa., a corporation of Pennsylvania. Republished by registrant.



The words "Trade Mark" are disclaimed apart from the mark as shown.
FOR GATE VALVES FOR WATER, STEAM, GAS, OIL, AIR, ACIDS, AND OTHER PURPOSES, CHECK VALVES, BALL CHECK VALVES, HOSE VALVES, BY-PASS VALVES, LOCK CAPS FOR VALVES, INDICATOR POSTS, FLOOR STANDS, VALVE BOXES, FIRE HYDRANTS, FLANGE UNIONS, LIP UNIONS, FLANGES, FUSIBLE PLUGS, AND NEEDLE VALVES.
Claims use since June 10, 1921.

Reg. No. 157,612. Registered Aug. 8, 1922. WALTER WOOD, TRADING AS R. D. WOOD & CO., Philadelphia, Pa. Republished by Florence Pipe Foundry & Machine Company, Florence, N. J., a corporation of New Jersey.

MATHEWS

FOR FIRE HYDRANTS.
Claims use since 1869.

Reg. No. 380,347. Registered Aug. 20, 1940. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed apart from the mark as shown.

FOR WOVEN WIRE FENCE, BARBED WIRE, STEEL POSTS, NAILS, AND BALE TIES.

Claims use since June 15, 1939.

Reg. No. 384,220. Registered Jan. 7, 1941. FLORENCE PIPE FOUNDRY & MACHINE CO., Florence, N. J., a corporation of New Jersey. Republished by registrant.

HI-CO

FOR CAST IRON PIPES AND PIPE JOINT FITTINGS.

Claims use since July 23, 1940.

Reg. No. 384,512. Registered Jan. 21, 1941. THE CLEVELAND CAP SCREW COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CLE CAP

The word "Cap" is disclaimed apart from the mark as shown.

FOR CAP SCREWS, SPRING CENTER BOLTS, LOCK WASHERS, EXPANSION PLUGS, COTTERS, STEP BOLTS, STOVE BOLTS, RECESSED HEAD SCREWS, RIVETS, STUDS, FLAT WASHERS, STARTER BOLTS AND WASHERS, SEMI-FINISHED HEXAGON AND CASTLE NUTS.

Claims use since Nov. 3, 1939.

Reg. No. 385,669. Registered Mar. 11, 1941. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed apart from the mark as shown.

FOR TIRE CHAINS.

Claims use since Sept. 1, 1939.

Reg. No. 410,911. Registered Dec. 26, 1944. THE GILBERT & BENNETT MFG. CO., Georgetown, Conn., a corporation of Connecticut. Republished by registrant.

Perma-Screen

The word "Screen" is disclaimed apart from the mark as shown.

FOR SCREEN WIRE CLOTH.

Claims use since Mar. 18, 1941.

Reg. No. 429,678. Registered May 13, 1947. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., and St. Louis, Mo., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

NBM

FOR GATE VALVES AND PARTS THEREOF, ESPECIALLY ADAPTED FOR USE IN BLAST FURNACES.

Claims use since on or about October 1943.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 128,408. Registered Jan. 6, 1920. THE INTERNATIONAL NICKEL CO., Constable Hook, N. J. Republished by The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware.

INCO

FOR NICKEL AND ALLOYS CONTAINING NICKEL.

Claims use since Apr. 29, 1919.

Reg. No. 412,360. Registered Mar. 6, 1945. THE ELECTRO ALLOYS COMPANY, Elyria, Ohio, assignor to American Brake Shoe Company. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

THERMALLOY

FOR NICKEL ALLOY HEAT AND CORROSION RESISTANT CASTINGS.

Claims use since Jan. 1, 1921.

Reg. No. 422,784. Registered Aug. 13, 1946. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

RACOR

FOR SWITCH RODS.

Claims use since on or about Mar. 5, 1942.

CLASS 15

OILS AND GREASES

Reg. No. 328,811. Registered Oct. 8, 1935. BODIE-HOOVER PETROLEUM CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

GOLD STANDARD

FOR LUBRICATING OILS AND LUBRICATING GREASES.

Claims use since July 11, 1934.

Reg. No. 377,904. Registered May 21, 1940. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed apart from the mark as shown.

FOR LUBRICATING OILS AND GREASES, MOTOR OILS, GASOLINES, KEROSENE, TRACTOR DISTILLATES, AND FUEL OILS.

Claims use since Feb. 8, 1938.

Reg. No. 380,020. Registered Aug. 6, 1940. BODIE-HOOVER PETROLEUM CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SEALED POWER

FOR LUBRICATING OILS AND LUBRICATING GREASES, NOT INCLUDING LUBRICATING OIL COMPOUNDS USED IN GASOLINE.

Claims use since Oct. 12, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 47,126. Registered Oct. 24, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Durene

FOR VARNISHES.

Claims use since about Apr. 1, 1902.

Reg. No. 47,127. Registered Oct. 24, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

TINTOLAC

FOR VARNISHES.

Claims use since about Oct. 1, 1904.

Reg. No. 47,642. Registered Nov. 14, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR VARNISHES.

Claims use since about Apr. 1, 1902.

Reg. No. 47,755. Registered Nov. 21, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

AVEE

FOR VARNISHES.
Claims use since about Apr. 1, 1905.

Reg. No. 49,960. Registered Feb. 27, 1906. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

GRANITE FINISH

FOR VARNISHES.
Claims use since about Aug. 1, 1890.

Reg. No. 49,961. Registered Feb. 27, 1906. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Floorene

FOR VARNISHES.
Claims use since about July 1889.

Reg. No. 204,034. Registered Oct. 6, 1925. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

G. L.

FOR VARNISHES, PAINT ENAMELS, STAINS, UNDERCOATING, FLOOR OILS, PREPARED SHELLACS, OUTSIDE PAINT, INTERIOR PAINT, FLOOR PAINT, LACQUERS, AND LINOLEUM VARNISH WITH A LUSTROUS FINISH.
Claims use since January 1921.

Reg. No. 207,014. Registered Dec. 15, 1925. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

VARNISH GREAT LAKES WORKS

The words "Varnish Works" are disclaimed apart from the mark as shown.
FOR VARNISHES, PAINT ENAMELS, STAINS, UNDERCOATING, FLOOR OILS, PREPARED SHELLACS, OUTSIDE PAINT, INTERIOR PAINT, FLOOR PAINT, LACQUERS, AND LINOLEUM FINISH.
Claims use since January 1921.

Reg. No. 219,524. Registered Oct. 19, 1926. BLUE RIBBON PAINT CO., Wheeling, W. Va., a corporation of West Virginia. Republished by registrant.

KOTAFLOOR

FOR PORCH AND FLOOR PAINTS.
Claims use since June 8, 1926.

Reg. No. 357,546. Registered June 7, 1938. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

WONDER-VAR

FOR VARNISHES.
Claims use since Aug. 16, 1937.

Reg. No. 358,529. Registered July 19, 1938. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

REAL ENAMEL

The words "Real Enamel" are disclaimed apart from the mark as shown. The drawing is lined for the color red.
FOR PAINT ENAMELS.
Claims use since Feb. 21, 1935.

Reg. No. 365,261. Registered Feb. 28, 1939. THE CHEMISEAL COMPANY, Detroit, Mich. Republished by The Chemiseal Company, Detroit, Mich., a firm.

CHEMISEAL

FOR WOOD PRESERVATIVE AND SEALER.
Claims use since about Feb. 7, 1936.

Reg. No. 370,603. Registered Aug. 29, 1939. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Minstrel

FOR LIQUID ENAMELS.
Claims use since Apr. 13, 1939.

Reg. No. 380,933. Registered Sept. 10, 1940. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed apart from the mark as shown.
FOR OUTSIDE AND INTERIOR PAINTS AND VARNISHES FOR HOUSES, BARN PAINTS, SHINGLE STAINS; ALUMINUM PAINT FOR METAL, WOOD, AND CEMENT; ZINC METAL PAINT, AND ASPHALT ROOFING PAINT.
Claims use since June 1, 1939.

Reg. No. 399,491. Registered Jan. 12, 1943. NEW WRINKLE, INC., Dayton, Ohio, a corporation of Delaware. Republished by registrant.

NEW WRINKLE

FOR PAINTS IN DRY, PASTE AND READY-MIXED FORM; PAINT ENAMELS; AND VARNISHES IN LIQUID AND READY-MIXED FORM, BOTH READY-TO-USE AND AS A CONCENTRATE.
Claims use since Mar. 7, 1942.

Reg. No. 403,765. Registered Oct. 19, 1943. SOUTHPORT PAINT COMPANY, INC., Savannah, Ga., a corporation of Delaware. Republished by registrant, present address New Orleans, La.

SCO-CO

FOR DRY PAINTS, PASTE PAINTS, READY-MIXED PAINTS, PRUNING PAINT, PAINT ENAMEL, VARNISH, KALSOMINE, STAINS, STUCCO PRIMING, FINISHING PAINTS AND METALLIC PAINT.
Claims use since about January 1909.

Reg. No. 404,659. Registered Dec. 14, 1943. SOUTHPORT PAINT COMPANY, INC., Savannah, Ga., a corporation of Delaware. Republished by registrant, present address New Orleans, La.

SCO-CO

FOR WATERPROOFING COMPOUNDS FOR MASONRY WALLS; SEALING, CAULKING AND FLASHING COMPOUNDS; SEMI-LIQUID ROOF-COATING COMPOUNDS; AND PLASTIC, ASBESTOS FIBRED ROOF COATING COMPOUNDS.
Claims use since March 1920.

Reg. No. 410,478. Registered Nov. 28, 1944. THE WILBUR & WILLIAMS COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

The representation of the portion of the label per se is disclaimed apart from the mark as shown.
FOR PAINTS, ENAMELS, LACQUERS AND VARNISHES.
Claims use since Nov. 1, 1929.

Reg. No. 416,991. Registered Oct. 9, 1945. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PLASTI-FLEX

FOR COLORLESS LINOLEUM FINISH AND PRESERVATIVE IN LIQUID FORM TO BE APPLIED WITH BRUSH OR SPRAY AFTER LINOLEUM IS IN PLACE.
Claims use since March 1944.

Reg. No. 417,315. Registered Oct. 23, 1945. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PLASTIFLEX

FOR PAINTS IN PASTE FORM.
Claims use since June 1940.

Reg. No. 433,001. Registered Sept. 23, 1947. THE A. BURDSAL COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

Homestead

FOR READY-MIXED PAINTS.
Claims use since 1878.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 238,664. Registered Feb. 14, 1928. P. LORILLARD COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

Old Gold
CIGARETTES



THE TREASURE OF THEM ALL

The word "Cigarettes" is disclaimed apart from the mark as shown.
FOR CIGARETTES.
Claims use since on or about 1884.

Reg. No. 331,968. Registered Jan. 28, 1936. A. KAFKA & COMPANY, INC., New Haven, Conn., a corporation of Connecticut. Republished by registrant.

FARNAM DRIVE

FOR CIGARS.
Claims use since March 1910.

Reg. No. 370,325. Registered Aug. 22, 1939. P. LORILLARD COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

"WHEN A FELLER NEEDS A FRIEND"

FOR CIGARETTES AND SMOKING TOBACCO.
Claims use since September 1930.

Reg. No. 370,968. Registered Sept. 12, 1939. P. LORILLARD COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

BRIGGS

FOR CIGARETTES AND SMOKING TOBACCO.
Claims use since September 1930.

Reg. No. 407,076. Registered May 16, 1944. DESMOND'S, Los Angeles, Calif. Republished by Desmond's, Inc., Los Angeles, Calif., a corporation of California.

Desmond's 1862 Mixture

The words "Desmond's Mixture" are disclaimed apart from the mark as shown.
FOR SMOKING TOBACCO.
Claims use since Oct. 18, 1943.

CLASS 19

VEHICLES

Reg. No. 342,586. Registered Jan. 19, 1937. WEILL & HARTMANN, New York, N. Y. Republished by Arkwright, Incorporated, New York, N. Y., a corporation of New York.

PACE-MAKER

FOR VELOCIPEDES, SCOOTERS, WAGONS (TOY), TOY AUTOMOBILES, ROLLER SKATES, BICYCLES.
Claims use since June 1935.

Reg. No. 410,556. Registered Dec. 5, 1944. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Brake Shoe

FOR CAR WHEELS.
Claims use since on or about Apr. 22, 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 111,633. Registered July 25, 1916. THE EMERSON ELECTRIC MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Northwind

FOR ELECTRIC FANS, FAN MOTORS, AND FAN FRAMES.
Claims use since Jan. 26, 1916.

Reg. No. 122,801. Registered Sept. 17, 1918. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J. Republished by Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware.

Cellulak

FOR ELECTRICAL INSULATION, A PRODUCT FORMED OF LAYERS OF FIBROUS MATERIAL BOUND TOGETHER BY A NATURAL OR SYNTHETIC ROSIN AND MADE UP IN THE FORM OF SHEETS, BLOCKS, RODS, TUBES, AND CYLINDERS.
Claims use since November 1914.

Reg. No. 145,060. Registered July 26, 1921. CHICAGO MICA CO., Valparaiso, Ind. Republished by Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware.

MICABOND
THE STANDARD MICA INSULATION

The words "The Standard Mica Insulation" are disclaimed apart from the mark as shown.
FOR BUILT-UP MICA INSULATION FOR COMMUTATOR SEGMENTS, FLEXIBLE INSULATING SHEETS FOR TRANSFORMERS, MAGNET-COILS, AND THE LIKE, AND INSULATING COMPOUNDS FOR ELECTRICAL PURPOSES.
Claims use since 1900.

Reg. No. 181,737 Registered Mar. 25, 1924. KIMBLE ELECTRIC COMPANY, Chicago, Ill. Republished by Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Delaware.

KIMBLE MOTORS

The word "Motors" is disclaimed apart from the mark as shown.
FOR ELECTRIC MOTORS.
Claims use since about July 16, 1913.

Reg. No. 393,303. Registered Feb. 3, 1942. AMERICAN ELECTRIC CABLE CO., Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

AEC

FOR INSULATED ELECTRIC WIRE, CABLES AND CORDS FOR RADIOS, AUTOMOBILES, AND APPLIANCES.
Claims use since June 1937.

Reg. No. 398,738. Registered Nov. 17, 1942. WILLIAM E. WRIGHT & SONS COMPANY, West Warren, Mass., a corporation of New Jersey. Republished by registrant.

KAPPA

FOR ELECTRICAL INSULATING TAPE, PARTICULARLY SUCH TAPE MADE FROM CELLULOSE ACETATE.
Claims use since June 4, 1942.

Reg. No. 410,926. Registered Dec. 26, 1944. THE VACUUM CLEANER CORPORATION OF AMERICA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Cordomatic

FOR ELECTRICAL CORD TAKE-UP REELS FOR THE FOLLOWING SPECIFIC USES: VACUUM CLEANER HANDLES, WASHING MACHINES, SIGNAL LIGHTS, PHOTOGRAPHIC EQUIPMENT, EXTENSION GARAGE REELS, DESK AND FLOOR LAMPS, SPOTLIGHT REELS, KITCHEN WALL INSTALLATION, BARBER SHOPS, BEAUTY PARLORS, SEWING MACHINES, DICTAPHONES, TYPEWRITERS, CASH REGISTERS, PORTABLE DOMESTIC EQUIPMENT.
Claims use since Jan. 15, 1932.

Reg. No. 416,609. Registered Sept. 25, 1945. CLIMAX ENGINEERING COMPANY, Clinton, Iowa, assignor to General Finance Corporation, Chicago, Ill. Republished by Climax Industries, Inc., Clinton, Iowa, a corporation of Delaware.

CLIMAX

FOR INTERNAL COMBUSTION ENGINE-ELECTRIC GENERATOR UNITS AND ELECTRIC LIGHTING PLANTS.
Claims use since 1922.

Reg. No. 423,612. Registered Sept. 3, 1946. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., and St. Louis, Mo., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

NBM

FOR TROLLEY WHEELS AND TROLLEY HARPS.
Claims use since on or about October 1943.

Reg. No. 428,527. Registered Mar. 25, 1947. MAX H. KRANZBERG, doing business as Radionic Equipment Company, New York, N. Y. Republished by registrant.

Chancellor

FOR RADIO RECEIVING SETS AND RADIO VACUUM TUBES.
Claims use since Feb. 15, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 342,586. Registered Jan. 19, 1937. WEILL & HARTMANN, New York, N. Y. Republished by Arkwright, Incorporated, New York, N. Y., a corporation of New York.

PACE-MAKER

FOR VELOCIPEDES, SCOOTERS, WAGONS (TOY), TOY AUTOMOBILES, ROLLER SKATES, BICYCLES.
Claims use since June 1935.

Reg. No. 370,333. Registered Aug. 22, 1939. MCLOUGHLIN BROS., INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

JOLLY SCRAP CLIPS

FOR PAPER TOY.
Claims use since Mar. 29, 1939.

Reg. No. 380,161. Registered Aug. 13, 1940. MCLOUGHLIN BROS., INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.



FOR MUSICAL TOY BOOK.
Claims use since Dec. 1, 1939.

Reg. No. 412,823. Registered Mar. 27, 1945. SPORTING GOODS, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.



FOR SOFT BALLS AND BASE BALLS FOR PLAYING GAMES.
Claims use since Aug. 27, 1944.

Reg. No. 432,884. Registered Sept. 16, 1947. GENERAL MACHINE COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

RITE-ARC

DROP-IN

The term "Rite-Arc" is disclaimed apart from the mark as shown.
FOR GOLF CLUBS OF THE CHARACTER KNOWN AS "PUTTERS."
Claims use since Aug. 28, 1946.

Reg. No. 432,885. Registered Sept. 16, 1947. GENERAL MACHINE COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

RITE-ARC

FALL-IN

The term "Rite-Arc" is disclaimed apart from the mark as shown.
FOR GOLF CLUBS OF THE CHARACTER KNOWN AS "PUTTERS."
Claims use since Aug. 28, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 78,215. Registered May 31, 1910. THE STRONG, CARLISLE & HAMMOND CO., Cleveland, Ohio. Republished by Strong, Carlisle & Hammond Company, Cleveland, Ohio, a corporation of Illinois.



FOR STEAM SPECIALTIES, COMPRISING ENGINE-GOVERNORS, ENGINE-STOPS, AND PUMP-GOVERNORS.
Claims use since Feb. 12, 1908.

Reg. No. 109,724. Registered Apr. 18, 1916. THE GEOMETRIC TOOL COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant.

GEOMETRIC

FOR TAPS, DIES, DIE-HEADS, TOOL-HOLDERS, THREADING-TOOLS AND THREADING-MACHINES.
Claims use since 1905.

Reg. No. 158,263. Registered Aug. 29, 1922. MIEHLE PRINTING PRESS & MANUFACTURING COMPANY, Chicago, Ill. Republished by Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Delaware.

The Miehle Vertical

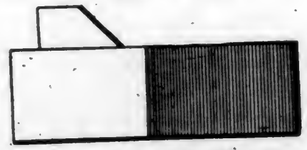
The word "Vertical" is disclaimed apart from the mark as shown.
FOR PRINTING PRESSES.
Claims use since Oct. 11, 1921.

Reg. No. 163,912. Registered Feb. 6, 1923. CLIMAX ENGINEERING CO., Clinton, Iowa. Republished by Climax Industries, Inc., Clinton, Iowa, a corporation of Delaware.

CLIMAX

FOR INTERNAL-COMBUSTION ENGINES.
Claims use since June 25, 1917.

Reg. No. 188,113. Registered Aug. 19, 1924. CHARLES BOND COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



The drawing is lined to indicate the color red. The representation of the picker is disclaimed apart from the mark as shown.
FOR LOOM PICKERS.
Claims use since Nov. 15, 1923.

Reg. No. 206,304. Registered Nov. 24, 1925. FIDELITY MACHINE COMPANY, Wilmington, Del., and Philadelphia, Pa. Republished by Fidelity Machine Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



The words "The," "Universal," "Hosiery," and "Ribber" are disclaimed apart from the mark as shown.
FOR FOOTER, KNITTING AND RIBBING MACHINES AND PARTS THEREOF.
Claims use since Apr. 1, 1924.

Reg. No. 228,387. Registered May 31, 1927. REIFF & NESTOR COMPANY, Lykens, Pa., a corporation of Pennsylvania. Republished by registrant.

NU-TRIX

FOR TOOLS FOR RECONDITIONING THREADS OF BOLTS, AXLES, HUBS, ETC.
Claims use since Jan. 10, 1927.

Reg. No. 238,151. Registered Jan. 31, 1928. CHARLES BOND COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

BONDFLEX

FOR SHAFT COUPLINGS.
Claims use since June 1924.

Reg. No. 296,854. Registered Aug. 23, 1932. NORTH BRO'S M'F'G CO., Philadelphia, Pa. Republished by North Brothers Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania.

LIGHTNING

FOR ICE BREAKERS FOR HOUSEHOLD USE.
Claims use since Aug. 1, 1931.

Reg. No. 326,569. Registered July 30, 1935. PROPORTIONEERS, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

CHLOR-O-FEEDER

The word "Feeder" is disclaimed apart from the mark as shown.
FOR PROPORTIONING APPARATUS, FOR PUMPING FLUIDS SUCH AS TREATING FLUIDS OR REAGENTS.
Claims use since June 29, 1932.

Reg. No. 345,499. Registered Apr. 27, 1937. CATERPILLAR TRACTOR CO., San Leandro, Calif., a corporation of California. Republished by registrant.

CATERPILLAR

FOR TRACTORS ADAPTED TO BE EMPLOYED IN FARMING OPERATIONS, ROAD BUILDING, MINING, LOGGING, EARTH MOVING, HAULING, AND FOR OTHER INDUSTRIAL AND AGRICULTURAL PURPOSES; INTERNAL COMBUSTION ENGINES ADAPTED FOR EMPLOYMENT AS THE SOURCE OF POWER FOR SELF-PROPELLED VEHICLES, AND AS STATIONARY OR PORTABLE POWER UNITS FOR INDUSTRIAL AND AGRICULTURAL USES; POWER AND MANUALLY CONTROLLED GRADERS, SCARIFIERS, SCRAPERS, BULLDOZERS AND PLOWS ADAPTED TO BE EMPLOYED FOR THE CONSTRUCTION AND MAINTENANCE OF ROADS, FOR MOVING AND REMOVING OF EARTH, SNOW, AND LIKE MATERIALS, FOR PREVENTING SOIL EROSION AND FOR OTHER INDUSTRIAL AND AGRICULTURAL USES; PARTS AND TOOLS FOR ALL OF SAID PRODUCTS AND ATTACHMENTS, ACCESSORIES AND EQUIPMENT ASSOCIABLE WITH ALL OF SAID PRODUCTS, AND PARTS FOR TERRACERS, PLANERS, LEANING WHEEL GRADERS, ELEVATING GRADERS, LEVELERS, DITCHERS, BANK CUTTERS, BANK SLOPERS, HARVESTERS, COMBINE HARVESTERS, MOWERS, PUSH RAKES, WINDROW HEADERS, WINDROW PICK-UPS AND IMPLEMENT HITCHES.
Claims use since September 1904.

Reg. No. 366,892. Registered May 2, 1939. NORTH BRO'S M'F'G COMPANY, Philadelphia, Pa. Republished by North Brothers Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania.

Handyman

FOR SCREW DRIVERS, CHUCKS, DRILLS, AND COUNTERSINKS.
Claims use since May 1936.

Reg. No. 370,498. Registered Aug. 29, 1939. ECONOMY FORMS CORPORATION, Des Moines, Iowa., a corporation of Iowa. Republished by registrant.

ECONOMY

FOR SPREADER TIE PULLERS, PIN TOOLS, PLATE CLAMP TOOLS, GROUT GUNS, DRIFT PIN TOOLS, LOCKING PINS AND CUTTING NIPPERS FOR USE IN CONNECTION WITH METAL FORM PLATES FOR CONCRETE STRUCTURES DURING THE SETTING AND HARDENING THEREOF.

Claims use since Oct. 1, 1933.

Reg. No. 373,837. Registered Dec. 26, 1939. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed apart from the mark as shown.

FOR HAY, MANURE, SPADING, BARLEY FORKS; FIELD AND GARDEN SCUFFLE AND MORTAR HOES; GARDEN, LAWN, LAWN-BROOM RAKES; HAND, WHEEL, AND ROTARY CULTIVATORS; DIRT, DIGGING, IRRIGATION, COAL, AND SNOW SHOVELS; GARDEN, POST, DRAIN, DITCH, AND NURSERY SPADES; GRAIN, COAL, AND FURNACE SCOOPS; AXES; COMPRESSED AIR, HAND, AND POWER SPRAYERS, ATOMIZERS; WHEEL-BARROW AND BARREL SPRAYS; HAND, PISTON, AND FAN TYPE, PORTABLE AND POWER DUSTERS.

Claims use since Feb. 7, 1939.

Reg. No. 380,559. Registered Aug. 27, 1940. ROTARY SEAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR SHAFT SEALS FOR COMPRESSORS, PUMPS, FLUID MOTORS, AND LIKE SHAFTED EQUIPMENT.

Claims use since Mar. 31, 1939.

Reg. No. 388,727. Registered July 8, 1941. THE DALTON FOUNDRIES, INC., Warsaw, Ind., a corporation of Indiana. Republished by registrant.

BIG BOY

FOR AUTOMOBILE LIFTING JACKS.

Claims use since Nov. 14, 1940.

Reg. No. 398,785. Registered Nov. 24, 1942. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

FILM-O-GRAPH

FOR FLAT BED, GELATINE TYPE DUPLICATING MACHINES.

Claims use since Aug. 31, 1936.

Reg. No. 399,501. Registered Jan. 12, 1943. THE BILLINGS & SPENCER COMPANY, Hartford, Conn., a corporation of Connecticut. Republished by registrant.

BILLINGS

B

The word "Billings" is disclaimed apart from the mark as shown.

FOR AUTOMATIC SCREW MACHINES, HOT SAWS, AND TIMBER SCRIBES.

Claims use since on or about Apr. 1, 1926.

Reg. No. 404,732. Registered Dec. 21, 1943. BUCKEYE TOOLS CORP., Dayton, Ohio, a corporation of Ohio. Republished by registrant.

BUCKEYE

FOR MANUALLY SUPPORTED MOTOR UNITS FOR PORTABLE POWER OPERATED TOOLS OF THE TYPE USED IN INDUSTRIAL METALWORKING PLANTS, EACH UNIT COMPRISING A MOTOR, A SUPPORT FOR DETACHABLY CONNECTING THE IMPLEMENT TO BE OPERATED WITH THE UNIT, AND A DRIVING CONNECTION BETWEEN THE MOTOR AND THE SUPPORT FOR THE IMPLEMENT.

Claims use since Feb. 12, 1943.

Reg. No. 406,001. Registered Mar. 7, 1944. THE VENDO COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

VENDO

FOR COIN CONTROLLED BOTTLE VENDING ATTACHMENTS FOR REFRIGERATED CABINETS AND PARTS OF SAID ATTACHMENTS—NAMELY, BOTTLE-HOLDING BASKETS, COVER PLATE, DISC ASSEMBLY, COIN MECHANISM AND COVER THEREFOR, GRILL ASSEMBLY, PARTS FOR ATTACHING THE BOTTLE HOLDING BASKET TO THE CABINET, COIN BOX, OPERATING MECHANISM FOR THE DISC ASSEMBLY, AND PROP ASSEMBLY FOR THE COVER PLATE.

Claims use since Oct. 22, 1936.

Reg. No. 407,211. Registered May 23, 1944. PROPORTIONEERS, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

CHEM-O-FEEDER

The word "Feeder" is disclaimed apart from the mark as shown.

FOR PUMPS FOR PROPORTIONALLY FEEDING REAGENTS.

Claims use since Feb. 10, 1941.

Reg. No. 409,047. Registered Sept. 12, 1944. THE DELTA MANUFACTURING COMPANY, Milwaukee, Wis. Republished by Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania.

UNIHEAD

FOR ADJUSTABLE WORK HEADS FOR MACHINE TOOLS.

Claims use since Feb. 14, 1944.

Reg. No. 427,416. Registered Feb. 11, 1947. NOVO ENGINE COMPANY, Lansing, Mich., a corporation of Michigan. Republished by registrant.

NOVO

FOR INTERNAL COMBUSTION ENGINES, PUMPS—NAMELY, SELF-PRIMING CENTRIFUGAL PUMPS, ECCENTRIC OPERATED DIAPHRAGM PUMPS AND POSITIVE DISPLACEMENT RECIPROCATING PUMPS POWERED WITH GASOLINE ENGINES OR ELECTRIC MOTORS AND ALSO WITHOUT POWER UNITS, AND POWER OPERATED HOISTS.

Claims use since Apr. 1, 1908.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 211,824. Registered Apr. 20, 1926. MODERN LAUNDRY MACHINE MANUFACTURING COMPANY, Kansas City, Mo. Republished by Birtman Electric Company, Chicago, Ill., a corporation of Illinois.

Mola

FOR CLOTHES OR LAUNDRY WASHING MACHINES.

Claims use since about July 1, 1915.

CLASS 25

LOCKS AND SAFES

Reg. No. 85,021. Registered Jan. 16, 1912. VON DUPRIN FIRE EXIT LATCH COMPANY, Indianapolis, Ind. Republished by Vonnegut Hardware Company, Indianapolis, Ind., a corporation of Indiana.

Von Duprin

FOR LOCKS AND LATCHES.

Claims use since Mar. 16, 1908.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 131,311. Registered May 11, 1920. GLOBE EAR-PHONE COMPANY, Boston, Mass. Republished by Globe Phone Manufacturing Corporation, Reading, Mass., a corporation of Massachusetts.

GEOPHONE

FOR AURICULAR SEISMOGRAPHS.

Claims use since Aug. 15, 1918.

Reg. No. 231,203. Registered Aug. 16, 1927. METRO-GOLDWYN PICTURES CORPORATION, New York, N. Y. Republished by Loew's, Incorporated, New York, N. Y., a corporation of Delaware.



FOR MOTION PICTURE FILMS.

Claims use since July 25, 1924.

Reg. No. 272,892. Registered July 15, 1930. BUILDERS IRON FOUNDRY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

ORIFLO

FOR FLUID METERS AND FLUID-RATE CONTROLLERS.
Claims use since Dec. 2, 1929.

Reg. No. 306,069. Registered Sept. 5, 1933. BUILDERS IRON FOUNDRY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

CHRONOFLO

FOR ELECTRIC FLOW METERS AND PRESSURE OR RATE OF FLOW CONTROLLERS, AND TELEMETERS.
Claims use since Aug. 18, 1932.

Reg. No. 312,245. Registered Apr. 24, 1934. BUILDERS IRON FOUNDRY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

VENTURI

FOR FLUID RATE OF FLOW METERS AND CONTROLLERS.
Claims use since 1888.

Reg. No. 351,655. Registered Nov. 2, 1937. BUILDERS IRON FOUNDRY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

FLO-WATCH

FOR MECHANICAL FLOW METERS FOR RECORDING AND TOTALIZING WITH OR WITHOUT INDICATING MEANS.
Claims use since June 10, 1936.

Reg. No. 353,510. Registered Jan. 11, 1938. CHEMCO PHOTOPRODUCTS COMPANY, Glen Cove and New York, N. Y. Republished by Chemco Products Company, Inc., Glen Cove, N. Y., a corporation of New York.

CHEMCO

FOR PHOTO-ENGRAVING AND PHOTOGRAPHIC CHEMICALS—NAMELY, STRIPFILM, A FILM SUPPORTED OR BACKED ON PAPER WHICH STRIPS OR PULLS OFF WHEN CHEMICALLY TREATED, FROM PAPER TO GLASS, THE DEVELOPER FOR THE SAME, COLD ENAMEL, COLD ENAMEL DEVELOPER, ACID SULPHITE SOLUTION, AND COLLODION.
Claims use since Jan. 1, 1920.

Reg. No. 359,054. Registered Aug. 2, 1938. MARINE OPTICAL MFG. CO., Boston, Mass. Republished by Marine Optical Mfg. Co., Boston, Mass., a firm.

FILT-RAY

FOR OPHTHALMIC LENSES, SUN GLASSES, AND LENS BLANKS.
Claims use since Nov. 7, 1936.

Reg. No. 385,872. Registered Mar. 18, 1941. MARINE OPTICAL MFG. CO., Boston, Mass. Republished by Marine Optical Mfg. Co., Boston, Mass., a firm.

Plastex

FOR OPTICAL FRAMES.
Claims use since Oct. 15, 1940.

Reg. No. 408,345. Registered Aug. 8, 1944. OMEGA MACHINE COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant, present address Providence, R. I.

EDUCTOSCOPE

FOR APPARATUS FOR VISUALLY OBSERVING THE FLOW OF A GAS FROM A FEEDING DEVICE OR THE EFFECT THEREOF.
Claims use since on or about Dec. 15, 1942.

Reg. No. 410,585. Registered Dec. 5, 1944. WATCHEMOKET OPTICAL CO. INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

impax LENS

The word "Lens" is disclaimed apart from the mark as shown.
FOR INDUSTRIAL SAFETY GOGGLES.
Claims use since Mar. 14, 1944.

Reg. No. 416,912. Registered Oct. 2, 1945. PROPORTIONEERS, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.



FOR PROPORTIONING METERS FOR MEASURING PROPORTIONAL VOLUMES OF LIQUIDS AND TEST KITS FOR ANALYZING SAMPLES OF LIQUID TO DETERMINE TURBIDITY AND/OR CHEMICAL CONTENT.
Claims use since March 1944.

Reg. No. 430,004. Registered June 3, 1947. WATCHEMOKET OPTICAL CO., INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

STO AWAYS

The representation of the temples is disclaimed apart from the mark as shown.
FOR SUN GOGGLES AND INDUSTRIAL GOGGLES.
Claims use since Apr. 19, 1946.

Reg. No. 430,022. Registered June 3, 1947. MARINE OPTICAL MFG. CO., Roslindale, Boston, Mass., a firm. Republished by registrant.

CONSTELLATION

FOR OPTICAL FRAMES.
Claims use since June 27, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 374,586. Registered Jan. 16, 1940. INVICTA-SEELAND, INC., New York, N. Y., a corporation of New York. Republished by registrant.

MICROTHIN

FOR WATCHES, WATCH CASES, WATCH PARTS, WATCH MOVEMENTS AND WATCH BRACELETS SOLD AS A UNIT WITH THE WATCH.
Claims use since July 7, 1938.

Reg. No. 431,493. Registered July 22, 1947. BULOVA WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

MISS EXCELLENCY

FOR WATCHES—NAMELY, WRIST OR STRAP WATCHES.
Claims use since Feb. 8, 1938.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 310,126. Registered Feb. 13, 1934. SCHEIN BROTHERS INC., New York, N. Y. Republished by Schein Brothers, New York, N. Y., a firm.

MOONGLO

FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES.
Claims use since Sept. 7, 1933.

Reg. No. 374,586. Registered Jan. 16, 1940. INVICTA-SEELAND, INC., New York, N. Y., a corporation of New York. Republished by registrant.

MICROTHIN

FOR WATCHES, WATCH CASES, WATCH PARTS, WATCH MOVEMENTS AND WATCH BRACELETS SOLD AS A UNIT WITH THE WATCH.
Claims use since July 7, 1938.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 380,348. Registered Aug. 20, 1940. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed apart from the mark as shown.
FOR STABLE BROOMS AND BRUSHES.
Claims use since Nov. 15, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 186,490. Registered July 22, 1924. TENNESSEE FURNITURE CORPORATION, Chattanooga, Tenn. Republished by Cavalier Corporation, Chattanooga, Tenn., a corporation of Tennessee.



FOR BEDROOM, DINING-ROOM, LIVING-ROOM, AND KITCHEN FURNITURE—NAMELY, BEDS, DRESSERS, BUREAUS, DRESSING TABLES, VANITY DRESSERS, CHIFFONIERS, CHIFFONETTES, CHIFFOROBES, WARDROBES, TABLES, NIGHT STANDS, CHAIRS, ROCKERS, TREASURE CHESTS, CONSOLE CHESTS, ORNAMENTAL CHESTS, BENCHES, STOOLS, MIRRORS, CONSOLES, BUFFETS, SERVING TABLES, CHINA CABINETS, TEA WAGONS, SIDEBOARDS AND CEDAR CHESTS.
Claims use since about Nov. 1, 1923.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 278,313. Registered Dec. 16, 1930. CROWN STOVE WORKS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Thor

FOR GAS RANGES, AND COMBINATION GAS AND COAL RANGES.
Claims use since July 2, 1930.

Reg. No. 345,513. Registered Apr. 27, 1937. AUTOMATIC BURNER CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MISTOLATOR

FOR OIL BURNERS AND PARTS.
Claims use since on or about Nov. 15, 1933.

Reg. No. 350,907. Registered Oct. 12, 1937. AUTOMATIC BURNER CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PERI-SPIN

FOR OIL BURNERS AND PARTS THEREOF.
Claims use since Apr. 12, 1937.

Reg. No. 368,986. Registered July 11,1939. TRADE-WIND MOTORFANS, INC., Los Angeles, Calif., a corporation of California. Republished by registrant.



FOR FANS AND BLOWERS, HEATING, VENTILATING AND COOLING AND AIR CONDITIONING UNITS.
Claims use since May 22, 1933.

Reg. No. 383,582. Registered Dec. 17, 1940. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed apart from the mark as shown.
FOR GRAVITY ROOF VENTILATORS.
Claims use since Nov. 15, 1939.

Reg. No. 424,628. Registered Oct. 15, 1946. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., and St. Louis, Mo., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

NBM

FOR TUYÈRES, AND BLAST FURNACE PARTS—NAMELY, MONKEYS AND BOSCH PLATES.
Claims use since on or about October 1943.

Reg. No. 429,427. Registered Apr. 29, 1947. AUTOMATIC BURNER CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ABC Range Burner

The words "Range Burner" are disclaimed apart from the mark as shown.
FOR FUEL OIL BURNERS.
Claims use since July 1, 1930.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 150,064. Registered Dec. 27, 1921. HORACE G. PRESTON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

MERCURY CHROME

The word "Chrome" is disclaimed apart from the mark as shown.
FOR LEATHER PACKINGS.
Claims use since 1905.

Reg. No. 226,864. Registered Apr. 19, 1927. THE Q-P SIGNAL COMPANY, Needham Heights, Mass. Republished by The Q-P Manufacturing Company, Needham Heights, Mass., a corporation of Massachusetts.

Q

FOR PACKING FOR STUFFING BOXES.
Claims use since about Jan. 5, 1916.

Reg. No. 244,241. Registered July 17, 1928. GOODALL RUBBER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant, present address Trenton, N. J.

"Road Builders"

FOR CONDUCTING HOSE COMPOSED OF RUBBER OR RUBBER AND FIBER.
Claims use since Jan. 1, 1925.

Reg. No. 322,520. Registered Mar. 12, 1935. NATIONAL MOTOR BEARING COMPANY, INC., San Francisco, Calif., a corporation of California. Republished by registrant.



The representation of the retainer is disclaimed apart from its combination with the representation of the seal.
FOR GREASE AND OIL RETAINERS OF THE FRICTION TYPE USED TO SEAL THE SPACE BETWEEN A HOUSING AND A ROTATING OR RECIPROCATING SHAFT, OR THE SPACE BETWEEN A PISTON AND CYLINDER WALL—NAMELY, RETAINERS MADE OF UNITARY CIRCULAR RINGS OF FELT, LEATHER, OR COMPOSITION; RETAINERS MADE OF UNITARY CIRCULAR RINGS OF FELT, LEATHER, OR COMPOSITION, AND HAVING A SPRING FITTED THERETO; RETAINERS MADE OF UNITARY CIRCULAR RINGS OF FELT, LEATHER OR COMPOSITION, HAVING A SPRING FITTED THERETO, AND THE WHOLE HELD WITHIN A CAGE OR SHELL OF DUCTILE STEEL, BRASS, OR ALUMINUM.
Claims use since Apr. 25, 1934.

Reg. No. 359,876. Registered Aug. 30, 1938. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

UNICO

FOR TIRES AND INNER TUBES FOR TIRES.
Claims use since Feb. 28, 1938.

Reg. No. 381,144. Registered Sept. 10, 1940. FABRENKA PRODUCTS COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

FABCO

FOR BELTING COMPOSED OF LAMINAE OF FABRIC AND A FLEXIBLE OR ELASTIC COMPOUND.
Claims use since Feb. 2, 1940.

CLASS 37

PAPER AND STATIONERY

Reg. No. 196,823. Registered Mar. 31, 1925. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SILKFOLD

FOR PRINTING PAPER.
Claims use since Oct. 4, 1924.

Reg. No. 226,322. Registered Apr. 5, 1927. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

ARTFOLD

FOR PRINTING PAPER.
Claims use since Aug. 16, 1926.

Reg. No. 282,149. Registered Apr. 14, 1931. ROCKWELL-BARNES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FEATURE

FOR WRITING PAPER.
Claims use since June 30, 1925.

Reg. No. 307,234. Registered Oct. 17, 1933. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

HI-HAT

FOR PAPER NAPKINS.
Claims use since Mar. 10, 1933.

Reg. No. 307,710. Registered Oct. 31, 1933. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

Perkinized

FOR LAMINATED PAPERS CONSISTING OF SECURED TOGETHER PLIES OF PAPER FOR USE AS SHELF PAPER, WRAPPING PAPER, STREAMERS AND THE LIKE.
Claims use since May 3, 1933.

Reg. No. 307,824. Registered Nov. 7, 1933. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

Perkins

FOR CREPE, TISSUE, WAXED, AND GLASSINE PAPERS; TOILET PAPER, PAPER NAPKINS, TOWELS, TABLECLOTHS, HANDKERCHIEFS, AND STREAMERS; DECORATIVE PAPER, WRAPPING, SHELF, AND LINING PAPERS; CORRUGATED PAPER, FACIAL TISSUES.
Claims use since July 1, 1931.

Reg. No. 312,059. Registered Apr. 17, 1934. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

COLORDEX

FOR CORRUGATED ORNAMENTAL PAPER.
Claims use since Nov. 13, 1933.

Reg. No. 338,144. Registered Sept. 1, 1936. ROCKWELL-BARNES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

EASEL

FOR NOTE BOOKS AND BLANK BOOKS, VIZ., STENOGRAPHIC NOTEBOOKS, AND COMPOSITION BOOKS.
Claims use since Jan. 29, 1935.

Reg. No. 340,213. Registered Nov. 3, 1936. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

Copydex

FOR PAPER FOR STATIONERY USE—NAMELY, CARDS AND PRINTING BRISTOL.
Claims use since Jan. 8, 1930.

Reg. No. 340,214. Registered Nov. 3, 1936. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

LONGRUN

FOR PAPER FOR WRITING, TYPEWRITING, DUPLICATING, AND PRINTING PURPOSES.
Claims use since Feb. 15, 1929.

Reg. No. 344,426. Registered Mar. 23, 1937. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

DITT-MARK

FOR PAPER FOR WRITING, TYPEWRITING, DUPLICATING AND PRINTING PURPOSES.
Claims use since Nov. 6, 1936.

Reg. No. 353,132. Registered Dec. 28, 1937. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

EBERHARD FABER

FOR LEAD AND COLORED PENCILS, PENHOLDERS, RUBBER BANDS, RUBBER ERASERS, MECHANICAL PENCILS AND REFILL LEADS FOR THE SAME, FOUNTAIN PENS AND PARTS THEREOF, COMBINED PENCIL AND COMPASS, AND CRAYONS.
Claims use since 1861.

Reg. No. 354,100. Registered Feb. 1, 1938. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

RUBBERLEAF

FOR INTERLEAVING PAPER.
Claims use since Sept. 8, 1936.

Reg. No. 365,948. Registered Mar. 21, 1939. ROCKWELL-BARNES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Eye-Tint

FOR NOTEBOOKS, BLANK BOOKS AND WRITING PAPER, VIZ., NOTEBOOKS, COMPOSITION BOOKS AND PENMANSHIP PAPER.
Claims use since Apr. 8, 1938.

Reg. No. 372,674. Registered Nov. 7, 1939. MARCALUS MANUFACTURING CO., INC., Elizabeth, N. J., a corporation of New Jersey. Republished by registrant.

MARCAL

FOR TISSUES, NAPKINS, HEAD REST ROLLS AND NECK STRIPS.
Claims use since March 1938.

Reg. No. 380,732. Registered Aug. 27, 1940. ROCKWELL-BARNES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Indemnity

FOR WRITING PAPERS.
Claims use since Dec. 9, 1939.

Reg. No. 381,454. Registered Sept. 24, 1940. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

LUSTERPAK

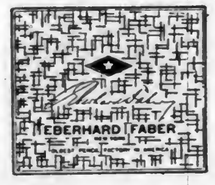
FOR PAPER MANUFACTURED FOR USE AS AN INNER OR OUTER LAYER IN THE CONSTRUCTION OF CARTONS AND OTHER LAMINATED PRODUCTS.
Claims use since Mar. 8, 1940.

Reg. No. 399,028. Registered Dec. 8, 1942. ROCKWELL-BARNES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

GLORYTONE

FOR MIMEOGRAPH PAPER.
Claims use since June 29, 1942.

Reg. No. 416,942. Registered Oct. 9, 1945. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



In the drawing, the panel is lined for the color yellow. The words "New York" and "Oldest Pencil Factory in America" are disclaimed apart from the mark as shown.
FOR LEAD PENCILS, COLORED PENCILS, COPYING PENCILS, CRAYONS, MECHANICAL PENCILS, FOUNTAIN PENS, LUMBER CRAYONS, PENCIL LENGTHENERS, PENCIL POINT PROTECTORS, COMBINED PENCIL AND COMPASS, THIN LEADS, PENHOLDERS, RUBBER ERASERS, KNEADED RUBBER ERASERS, GUM ERASERS, RUBBER BANDS, AND STAMP PADS.
Claims use since about 1909.

Reg. No. 418,555. Registered Jan. 1, 1946. ROCKWELL-BARNES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

EXPEDITE

FOR TYPEWRITER PAPER AND FILE FOLDERS.
Claims use since July 15, 1922.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 157,560. Registered Aug. 8, 1922. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pa. Republished by registrant.

P's & Q's

FOR SERIES OF PAMPHLETS, BOOKLETS, OR LEAFLETS PUBLISHED FROM TIME TO TIME.
Claims use since on or about Apr. 25, 1921.

Reg. No. 163,766. Registered Jan. 23, 1923. UNITED PROFIT-SHARING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

UNITED PROFIT-SHARING COUPONS

The words "Profit-Sharing Coupons" are disclaimed apart from the mark as shown.
FOR PREMIUM TOKENS AND COUPONS.
Claims use since 1915.

Reg. No. 305,110. Registered Aug. 1, 1933. MAGAZINE PUBLISHERS, INC., New York, N. Y. Republished by Ace Periodicals, Inc., New York, N. Y., a corporation of New York.

TEN DETECTIVE ACES

FOR MAGAZINE PUBLISHED MONTHLY AND AT OTHER INTERVALS.
Claims use since Feb. 4, 1933.

Reg. No. 321,220. Registered Jan. 22, 1935. MAGAZINE PUBLISHERS, INC., New York, N. Y. Republished by Periodical House, Inc., New York, N. Y., a corporation of New York.

WESTERN ACES

FOR MAGAZINE PUBLISHED MONTHLY AND AT OTHER INTERVALS.
Claims use since Aug. 10, 1934.

Reg. No. 333,379. Registered Mar. 17, 1936. MAGAZINE PUBLISHERS, INC., New York, N. Y. Republished by Periodical House, Inc., New York, N. Y., a corporation of New York.

ACE SPORTS

FOR MAGAZINE PUBLISHED MONTHLY AND AT OTHER INTERVALS.
Claims use since Oct. 14, 1935.

Reg. No. 346,540. Registered June 1, 1937. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

DITTO

FOR BOOK SERIES PUBLISHED FROM TIME TO TIME.
Claims use since Aug. 23, 1933.

Reg. No. 348,882. Registered Aug. 17, 1937. ZEESE-WILKINSON CO. INC., Long Island City, N. Y. Republished by Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Delaware.

INTAPRINT

FOR GRAVURE PRINTS MADE FROM PLATES.
Claims use since Sept. 24, 1935.

Reg. No. 352,859. Registered Dec. 14, 1937. THE PERMALUX COMPANY, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Aurora, Ill.

Permalux

The words "The Sign of Permanent Identity" are disclaimed apart from the mark as shown.
FOR DECALCOMANIA SIGNS.
Claims use since June 19, 1937.

Reg. No. 374,030. Registered Dec. 26, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

SWEENEY & SON

FOR SERIES OF CARTOONS.
Claims use since Oct. 1, 1933.

Reg. No. 374,032. Registered Dec. 26, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

The Correct Thing

FOR NEWSPAPER COLUMN.
Claims use since Oct. 1, 1933.

Reg. No. 374,033. Registered Dec. 26, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

TERRY and the Pirates

FOR SERIES OF CARTOONS.
Claims use since Oct. 1, 1933.

Reg. No. 374,034. Registered Dec. 26, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

SPOOKY

FOR SERIES OF CARTOONS.
Claims use since May 12, 1935.

Reg. No. 374,035. Registered Dec. 26, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

Maw Green

FOR SERIES OF CARTOONS.
Claims use since Jan. 11, 1933.

Reg. No. 374,037. Registered Dec. 26, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

CORKY

FOR SERIES OF CARTOONS.
Claims use since Aug. 18, 1935.

Reg. No. 374,413. Registered Jan. 9, 1940. MCLOUGHLIN BROS., INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

THE LITTLE COLOR CLASSICS

The word "Color" is disclaimed apart from the mark as shown.
FOR SERIES OF BOOKS PUBLISHED FROM TIME TO TIME.
Claims use since Feb. 1, 1926.

Reg. No. 375,030. Registered Feb. 6, 1940. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

The Neighbors

FOR SERIES OF CARTOONS.
Claims use since Apr. 17, 1939.

Reg. No. 375,066. Registered Feb. 6, 1940. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

NUTS AND JOLTS

FOR SERIES OF CARTOONS.
Claims use since July 7, 1939.

Reg. No. 375,653. Registered Feb. 27, 1940. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

LOOIE

FOR SERIES OF CARTOONS.
Claims use since May 6, 1934.

Reg. No. 376,511. Registered Mar. 26, 1940. FRENCH-STAMATS COMPANY, Cedar Rapids, Iowa. Republished by Stamats Publishing Company, Cedar Rapids, Iowa, a corporation of Iowa.

HOME IDEAS

FOR PERIODICAL.
Claims use since Sept. 23, 1939.

Reg. No. 382,541. Registered Oct. 29, 1940. MCLOUGHLIN BROS., INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

FOR PRINTED BOOKS.
Claims use since Jan. 1, 1908.

Reg. No. 393,430. Registered Feb. 17, 1942. MCLOUGHLIN BROS., INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

MISS AMERICA

The word "America" is disclaimed apart from the mark as shown.
FOR CUT-OUT BOOKS PUBLISHED FROM TIME TO TIME.
Claims use since July 27, 1940.

Reg. No. 399,855. Registered Feb. 2, 1943. MCLOUGHLIN BROS., INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

Cathedral Classics

The word "Classics" is disclaimed apart from the mark as shown.
FOR SERIES OF BOOKS PUBLISHED FROM TIME TO TIME.
Claims use since May 4, 1942.

Reg. No. 410,103. Registered Nov. 7, 1944. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Private Wire

FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since on or about May 6, 1944.

Reg. No. 410,104. Registered Nov. 7, 1944. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

THE BRAKE SHOE
Private Wire

FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since on or about May 6, 1944.

Reg. No. 415,501. Registered Aug. 7, 1945. NEW WRINKLE, INC., Wilmington, Del., and Dayton, Ohio, a corporation of Delaware. Republished by registrant.

New Wrinkles IN FINISHING

The word "Finishing" is disclaimed apart from the mark as shown.
FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since August 1938.

CLASS 39

CLOTHING

Reg. No. 157,555. Registered Aug. 8, 1922. O'SHEA KNITTING MILLS, Chicago, Ill. Republished by Wilson Sporting Goods Co., Chicago, Ill., a corporation of Delaware.

O'Shea

FOR SWEATERS, BATHING SUITS, SPORTS, WORK, AND NEGLIGEE SHIRTS, PANTS, TRUNKS, TIGHTS, HOSIERY, SPORTING COATS AND GOLF COATS.
Claims use since on or about Feb. 20, 1921.

Reg. No. 217,729. Registered Sept. 7, 1926. BOOTT MILLS, Lowell, Mass., a corporation of Massachusetts. Republished by registrant.

Du Bon

FOR CAPES, MEN'S AND WOMEN'S COATS; CHILDREN'S PLAY COATS, HATS AND CAPES; BATH ROBES, MISSES' AND LADIES' SUITS AND SKIRTS.
Claims use since Mar. 1, 1926.

Reg. No. 236,924. Registered Dec. 27, 1927. MILWAUKEE GLOVE COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

TUF-NUT

FOR CLOTH AND COMBINATION LEATHER AND CLOTH GLOVES AND MITTENS.
Claims use since Feb. 10, 1922.

Reg. No. 242,849. Registered June 5, 1928. HEWES & POTTER, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

Spur

FOR BELTS FOR OUTER WEAR.
Claims use since Mar. 1, 1927.

Reg. No. 245,847. Registered Aug. 21, 1928. ELLIOTT KNITTING MILLS, INC., Hickory, N. C., a corporation of North Carolina. Republished by registrant.

Elliott

FOR HOSIERY.
Claims use since about Oct. 4, 1926.

Reg. No. 248,805. Registered Oct. 30, 1928. BEAR BRAND HOSIERY CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CURLY HEAD

FOR HOSIERY.
Claims use since May 22, 1928.

Reg. No. 249,741. Registered Nov. 20, 1928. BEAR BRAND HOSIERY CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

TOBOGGAN

FOR HOSIERY.
Claims use since June 23, 1928.

Reg. No. 253,336. Registered Feb. 26, 1929. DESMOND'S, Los Angeles, Calif. Republished by Desmond's, Inc., Los Angeles, Calif., a corporation of California.

VELVASHEEN

FOR NEGLIGEE AND DRESS BROADCLOTH SHIRTS.
Claims use since Feb. 25, 1928.

Reg. No. 307,899. Registered Nov. 7, 1933. BEAR BRAND HOSIERY CO., Kankakee and Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.

MOTORMAN & TRUCKMAN

FOR KNITTED ARTICLES—NAMELY, HOSIERY.
Claims use since Apr. 21, 1933.

Reg. No. 319,560. Registered Nov. 27, 1934. G. R. KINNEY CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

KINNEY'S REG'LAR GUYS

FOR TENNIS SHOES.
Claims use since Apr. 18, 1934.

Reg. No. 345,102. Registered Apr. 13, 1937. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie, N. Y. Republished by Stardust, Incorporated, New York, N. Y., a corporation of New York.

Cuddl'form

FOR SLIPS.
Claims use since on or about Nov. 18, 1936.

Reg. No. 357,028. Registered May 24, 1938. HOOVER HOSIERY COMPANY, Concord, N. C., a corporation of North Carolina. Republished by registrant.

Gart R Hi

FOR MEN'S AND WOMEN'S HOSIERY.
Claims use since on or about July 26, 1937.

Reg. No. 363,643. Registered Jan. 3, 1939. CHARLES ZILBERG, New York, N. Y. Republished by registrant.

BIG CITY

FOR UNDERWEAR FOR THE USE OF MEN, WOMEN, AND CHILDREN, AND SWEATERS.
Claims use since May 14, 1938.

Reg. No. 373,561. Registered Dec. 12, 1939. AIRFILM CORPORATION, Detroit, Mich., a corporation of Michigan. Republished by registrant.

AIRFILM

FOR HEEL PADS AND INNER SOLE CUSHIONS FOR SHOES.
Claims use since June 12, 1939.

Reg. No. 376,952. Registered Apr. 9, 1940. KENWOOD MODES, INC., New York, N. Y., a corporation of New York. Republished by registrant.

KEN-MASTER

FOR LADIES', MISSES', AND CHILDREN'S DRESSES, COATS, DRESS ENSEMBLES, CONSISTING OF DRESS AND JACKET.
Claims use since October 1939.

Reg. No. 384,770. Registered Feb. 4, 1941. J. FREEZER & SON, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Broadloom

FOR MEN'S DRESS, NEGLIGEE AND WORK SHIRTS.
Claims use since November 1937.

Reg. No. 394,812. Registered Apr. 28, 1942. SELECT SPORTSWEAR, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Dean's List

FOR LADIES' AND MISSES' KNITTED SPORTS SWEATERS AND TWO PIECE KNITTED DRESSES.
Claims use since Oct. 22, 1941.

Reg. No. 399,233. Registered Dec. 22, 1942. REVERE KNITTING MILLS, INC., Malden, Mass., a corporation of Massachusetts. Republished by registrant.

LAMERAE Revere

FOR MEN'S AND BOYS' SWEATERS.
Claims use since Mar. 17, 1942.

Reg. No. 404,260. Registered Nov. 16, 1943. RAINBOW SHOPS, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Heat Chasers

FOR FEMININE WEARING APPAREL—NAMELY, BED JACKETS, SPORT JACKETS, ANKLETS, SHOES MADE OF LEATHER, FABRIC, AND RUBBER, BEACH SHOES, AND COLLARS.
Claims use since May 1940.

Reg. No. 412,569. Registered Mar. 13, 1945. J. FREEZER & SON, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Broadloom

FOR MEN'S AND BOYS' PAJAMAS.
Claims use since November 1937.

Reg. No. 415,988. Registered Aug. 21, 1945. WESTERN GARMENT COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

PAT HENREE

FOR LADIES' AND MISSES' COATS.
Claims use since Jan. 15, 1945.

Reg. No. 425,837. Registered Dec. 3, 1946. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa., a corporation of Pennsylvania. Republished by registrant.

Blossom

FOR LADIES' AND KIDDIES' PANTIES AND BRIEFS.
Claims use since on or about Apr. 2, 1942.

Reg. No. 433,432. Registered Oct. 14, 1947. TEEN-TIMERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.



The drawing is lined for shading only.
FOR DRESSES FOR MISSES AND GIRLS.
Claims use since Apr. 29, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 397,698. Registered Sept. 15, 1942. C. J. BATES & SON, Chester, Conn., a firm. Republished by registrant.

My Friend

FOR KNITTING NEEDLES FOR HAND USE.
Claims use since Feb. 25, 1942.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 84,895. Registered Jan. 9, 1912. WILLIAM L. BARRELL CO., New York, N. Y., Boston and Lawrence, Mass., Chicago, Ill., and St. Louis, Mo., a corporation of Maine. Republished by registrant, present location Boston, Mass.

TAM-A-RAK

FOR DUCK.
Claims use since Jan. 6, 1911.

Reg. No. 188,999. Registered Sept. 9, 1924. HUGH NELSON COLUMBIA CARPET MILLS, Philadelphia, Pa. Republished by Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

EUCLID

AXMINSTER

The word "Axminster" is disclaimed apart from the mark as shown.
FOR RUGS AND CARPETS MADE OF COTTON, WOOL AND JUTE YARNS.
Claims use since Mar. 25, 1924.

Reg. No. 210,798. Registered Mar. 23, 1926. S. J. ARONSOHN, INC., New York, N. Y., a corporation of New Jersey. Republished by registrant.

STUDENT PRINTS

The word "Prints" is disclaimed apart from the mark as shown.
FOR TEXTILE FABRICS—NAMELY, TIE SILKS.
Claims use since Nov. 1, 1925.

Reg. No. 242,330. Registered May 22, 1928. BOOTT MILLS, Lowell, Mass., a corporation of Massachusetts. Republished by registrant.

Belle-Vue

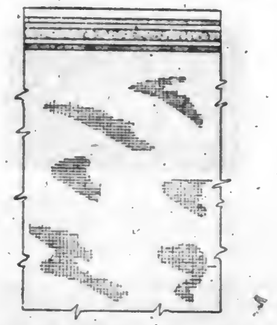
FOR COTTON OR COTTON AND RAYON SCRIM FOR CURTAINS IN THE PIECE.
Claims use since May 19, 1927.

Reg. No. 259,629. Registered Aug. 6, 1929. BOOTT MILLS, Lowell, Mass., a corporation of Massachusetts. Republished by registrant.

ABSORBOO TOWELS

The word "Towels" is disclaimed apart from the mark as shown.
FOR TOWELING, AND HAND, AND BATH TOWELS, ALL OF TEXTILE FABRIC.
Claims use since Nov. 15, 1928.

Reg. No. 280,448. Registered Feb. 17, 1931. ALEXANDER WOOLEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The trade-mark consists of a wide gold stripe disposed between a thin blue stripe and a thin red stripe, said stripes being woven in the fabric. The stripes are lined for the colors gold, blue and red. The representation of the piece of fabric is disclaimed apart from the mark as shown.
FOR WOOLEN FABRICS.
Claims use since on or about Nov. 1, 1929.

Reg. No. 280,538. Registered Feb. 17, 1931. ERWIN COTTON MILLS COMPANY, West Durham, N. C., a corporation of North Carolina. Republished by registrant, present address Durham, N. C.

BUCKSKIN

FOR DENIMS IN THE PIECE FOR USE PRINCIPALLY IN THE MANUFACTURE OF OVERALLS, APRONS, JUMPERS, WORK TROUSERS, COVERALLS, AND OTHER SIMILAR WORK GARMENTS.
Claims use since Oct. 7, 1929.

Reg. No. 302,331. Registered Apr. 11, 1933. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

GABERTEX

FOR COTTON PIECE GOODS.
Claims use since Oct. 20, 1932.

Reg. No. 303,335. Registered May 23, 1933. WILLIAM L. BARRELL CO. INC., New York, N. Y., a corporation of Maine. Republished by registrant.

PRINTEX

FOR COTTON FABRICS IN THE PIECE.
Claims use since May 31, 1923.

Reg. No. 305,210. Registered Aug. 8, 1933. WILLIAM L. BARRELL CO. INC., New York, N. Y., a corporation of Maine. Republished by registrant.

S&CO

FOR WATER-PROOFED FABRICS.
Claims use since June 15, 1932.

Reg. No. 307,274. Registered Oct. 24, 1933. WILLIAM L. BARRELL COMPANY, New York, N. Y., a corporation of Maine. Republished by registrant.

Holy Roller

FOR COTTON SUITINGS.
Claims use since Mar. 22, 1933.

Reg. No. 308,261. Registered Nov. 28, 1933. WM. L. BARRELL CO. INC., New York, N. Y., a corporation of Maine. Republished by registrant.



The drawing is lined for the color blue. The representation of a label is disclaimed apart from the mark as shown.
FOR COTTON PIECE GOODS—NAMELY, DUCKS, DRILLS, AND TWILLS.
Claims use since February 1912.

Reg. No. 313,831. Registered June 12, 1934. WILLIAM L. BARRELL COMPANY, New York, N. Y., a corporation of Maine. Republished by registrant.

PLAYTEX

FOR COTTON FABRICS.
Claims use since Jan. 23, 1934.

Reg. No. 328,699. Registered Oct. 1, 1935. WILLIAM L. BARRELL COMPANY, New York, N. Y., a corporation of Maine. Republished by registrant.

IRONKLOTH

FOR COTTON PIECE GOODS.
Claims use since Feb. 18, 1935.

Reg. No. 333,131. Registered Mar. 10, 1936. WILLIAM L. BARRELL COMPANY, New York, N. Y., a corporation of Maine. Republished by registrant.

CORDAIRE

FOR COTTON SUITINGS.
Claims use since Sept. 13, 1935.

Reg. No. 334,132. Registered Apr. 21, 1936. WILLIAM L. BARRELL COMPANY, New York, N. Y., a corporation of Maine. Republished by registrant.

ICICOOL

FOR COTTON SUITINGS.
Claims use since Oct. 22, 1935.

Reg. No. 335,032. Registered May 19, 1936. MARTIN WEINER, New York, N. Y. Republished by registrant.

ROA-MING

FOR TEXTILE FABRICS—NAMELY, SILK, RAYON, AND ACETATE PIECE GOODS, BOTH PRINTED AND PLAIN.
Claims use since Dec. 2, 1935.

Reg. No. 338,250. Registered Sept. 1, 1936. WILLIAM L. BARRELL COMPANY, New York, N. Y., a corporation of Maine. Republished by registrant.

GABRELL

FOR COTTON PIECE GOODS.
Claims use since Sept. 12, 1935.

Reg. No. 341,476. Registered Dec. 8, 1936. MARTIN WEINER, New York, N. Y. Republished by registrant.

AGLO-MING

FOR TEXTILE FABRICS—NAMELY, SILK, RAYON, AND ACETATE PIECE GOODS, BOTH PRINTED AND PLAIN.
Claims use since June 1, 1936.

Reg. No. 342,258. Registered Jan. 12, 1937. ALEXANDER WOOLEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The representation of the goods and all notations except the word "Le Roy's" and the monogram on the shield are disclaimed apart from the mark as shown. The representation of the label is disclaimed.
FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1936.

Reg. No. 342,259. Registered Jan. 12, 1937. ALEXANDER WOOLEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



All notations on the mark are disclaimed except "Merrill" and the monogram on the shield, also, the representation of the label is disclaimed apart from the mark as shown.
FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1936.

Reg. No. 342,260. Registered Jan. 12, 1937. ALEXANDER WOOLEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The representation of the label and all notations on the drawing except "Strongcraft" and the monogram on the shield, are disclaimed apart from the mark as shown.
FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1936.

Reg. No. 346,111. Registered May 18, 1937. S. J. ARONSOHN, INC., New York, N. Y., a corporation of New Jersey. Republished by registrant.

FASCINATION

FOR PIECE GOODS MADE OF RAYON AND SYNTHETIC YARNS.
Claims use since on or about Aug. 1, 1936.

Reg. No. 346,781. Registered June 8, 1937. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

Sportranger

FOR HIGH COUNT, LIGHT WEIGHT COTTON FABRICS DYED AND WATERPROOFED FOR SPORT AND OUTDOOR CLOTHING PURPOSES IN THE PIECE.
Claims use since Dec. 8, 1936.

Reg. No. 346,959. Registered June 15, 1937. MARTIN WEINER, New York, N. Y. Republished by registrant.

PRINT OF THE MONTH

The word "Print" is disclaimed apart from the mark as shown.
FOR TEXTILE FABRICS—NAMELY, SILK, RAYON, AND ACETATE PIECE GOODS, BOTH PRINTED AND PLAIN.
Claims use since Apr. 15, 1935.

Reg. No. 346,995. Registered June 15, 1937. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

Denali

FOR HIGH COUNT, LIGHT WEIGHT COTTON FABRICS DYED AND WATERPROOFED FOR SPORT AND OUTDOOR CLOTHING PURPOSES, IN THE PIECE.
Claims use since Nov. 9, 1936.

Reg. No. 348,483. Registered July 27, 1937. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

Skiardine

FOR COTTON FABRIC IN THE PIECE, DYED AND FINISHED, FOR OUTDOOR USE, SPORT CLOTHING, ETC.
Claims use since July 1, 1936.

Reg. No. 348,503. Registered July 27, 1937. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

FLAMEFOIL

FOR FLAME RESISTANT, WATERPROOF COTTON DUCK FOR OUTDOOR USE IN TENTS, AWNINGS, TARPAULINS, ETC.
Claims use since Mar. 1, 1937.

Reg. No. 348,932. Registered Aug. 17, 1937. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

SUPER-SHEDPEL

FOR WATERPROOFED COTTON FABRICS IN THE PIECE.
Claims use since Apr. 11, 1914.

Reg. No. 352,414. Registered Nov. 30, 1937. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

ZEPHYRSHED

FOR WATER-REPELLENT CLOTH FABRICS IN THE PIECE.
Claims use since May 10, 1937.

Reg. No. 356,849. Registered May 10, 1938. S. J. ARONSOHN, INC., Paterson, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant.

TELLAJUR

FOR SILK AND ARTIFICIAL SILK CLOTH.
Claims use since November 1934.

Reg. No. 361,515. Registered Oct. 18, 1938. MARTIN WEINER, New York, N. Y. Republished by registrant.

DECK'N DOCK

FOR TEXTILE PIECE GOODS OF RAYON, ACETATE AND/OR SILK.
Claims use since Apr. 30, 1938.

Reg. No. 361,863. Registered Nov. 1, 1938. MARTIN WEINER, New York, N. Y. Republished by registrant.

LUCKY CHARM PRINT

The word "Print" is disclaimed apart from the mark as shown.
FOR RAYON, ACETATE, AND SILK FABRICS IN THE PIECE.
Claims use since June 1, 1938.

Reg. No. 366,057. Registered Mar. 28, 1939. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

BAR-L

FOR PIECE GOODS MADE OF COTTON, SILK, WOOL, AND RAYON, AND COMBINATIONS OF SAME.
Claims use since Aug. 18, 1938.

Reg. No. 367,613. Registered May 23, 1939. ALEXANDER WOOLEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Crown Champion Fabrics

The word "Fabrics" is disclaimed apart from the mark as shown.
FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1938.

Reg. No. 378,318. Registered June 4, 1940. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

FOTOFAB

FOR COTTON PIECE GOODS.
Claims use since Nov. 5, 1938.

Reg. No. 379,281. Registered July 9, 1940. CONCORD FABRICS, New York, N. Y., a firm. Republished by registrant.

NINONETTE

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, COTTON-RAYON, RAYON, ACETATE, LINEN, AND SILK.
Claims use since Feb. 27, 1939.

Reg. No. 379,930. Registered July 30, 1940. CONCORD FABRICS, New York, N. Y., a firm. Republished by registrant.

STA-PERMA

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, COTTON-RAYON, RAYON, ACETATE, LINEN, AND SILK.
Claims use since Jan. 13, 1939.

Reg. No. 382,118. Registered Oct. 15, 1940. WILLIAM E. WRIGHT & SONS COMPANY, West Warren, Mass., a corporation of New Jersey. Republished by registrant.

Val-Hue

FOR HANK RIBBONS.
Claims use since Apr. 22, 1940.

Reg. No. 384,288. Registered Jan. 14, 1941. CONCORD FABRICS, New York, N. Y., a firm. Republished by registrant.

WASH-RITE-RAY

The words "Wash-Rite" are disclaimed apart from the mark as shown.
FOR COTTON AND RAYON PIECE GOODS.
Claims use since September 1939.

Reg. No. 389,811. Registered Aug. 19, 1941. AMSTERDAM TEXTILES, Amsterdam, N. Y. Republished by Amsterdam Textiles, Inc., Amsterdam, N. Y., a corporation of New York.

HEARTHTONE RUGS

The word "Rugs" is disclaimed apart from the mark as shown.
FOR RUGS.
Claims use since June 5, 1939.

Reg. No. 397,707. Registered Sept. 15, 1942. ARTMART LINEN CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

Decropak

FOR TOWELS, BUREAU SCARVES, DRESSER SCARVES, DOILIES, NAPKINS, TABLECLOTHS, BRIDGE SETS, LUNCHEON SETS.
Claims use since July 17, 1941.

Reg. No. 413,270. Registered Apr. 17, 1945. BURGESS FABRICS CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

A House of Burgess Fabric



The words "A House of Burgess Fabric," "Integrity," "Quality" and "Service" are disclaimed apart from the mark as shown.
FOR SILK, RAYON, COTTON AND WOOLEN PIECE GOODS.
Claims use since June 1, 1944.

Reg. No. 423,530. Registered Sept. 3, 1946. MARTIN WEINER, New York, N. Y. Republished by registrant.

HA-HA

FOR PIECE GOODS—TO WIT, RAYON PIECE GOODS.
Claims use since Aug. 1, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 414,159. Registered May 29, 1945. KARL FOLKE EWESON, doing business as The Halidon Co., New York, N. Y. Republished by registrant.

Fountex

FOR EYECUPS.
Claims use since Sept. 25, 1944.

Reg. No. 426,171. Registered Dec. 17, 1946. C. J. BATES & SON, Chester, Conn., a firm. Republished by registrant.

Micro Ground

The word "Ground" is disclaimed apart from the mark as shown.
FOR MANICURE IMPLEMENTS—NAMELY, NAIL BRUSHES, NAIL BUFFERS, NAIL FILES, NAIL CLIPPERS, CUTICLE KNIVES, MANICURE SCISSORS, MANICURE STICKS, TWEEZERS, EMERY BOARDS, PUMICE BOARDS, NAIL POLISHERS, AND MANICURE SHEARS.
Claims use since Apr. 1, 1946.

Reg. No. 432,817. Registered Sept. 16, 1947. KERR DENTAL MANUFACTURING COMPANY, Detroit, Mich., now by change of name Kerr Manufacturing Company. Republished by Kerr Manufacturing Company, Detroit, Mich., a corporation of Michigan.

PLATINITE

FOR INVESTMENT COMPOUNDS OF A CERAMIC NATURE USED IN THE MAKING OF MOLDS FOR PRECISION CASTINGS AND SOLD TO THE TRADE IN POWDERED FORM.
Claims use since on or about Sept. 26, 1945.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 199,045. Registered June 2, 1925. MORRIS I. KATZ, doing business as Country Club Beverage Company, Springfield, Mass. Republished by Country Club Soda Company, Inc., Springfield, Mass., a corporation of Massachusetts.

"Country Dry"

FOR CARBONATED BEVERAGES—NAMELY, GINGER ALE, ORANGE, STRAWBERRY, LEMON, SARSAPARILLA, CREAM SODA, ROOT BEER, BIRCH BEER.
Claims use since Sept. 15, 1924.

Reg. No. 205,123. Registered Nov. 3, 1925. JACKSON BREWING COMPANY, New Orleans, La., a corporation of Louisiana. Republished by registrant.

Sazerac

FOR GINGER ALE.
Claims use since Feb. 18, 1925.

Reg. No. 240,568. Registered Apr. 3, 1928. THE PLEASANT VALLEY WINE COMPANY, Rheims, N. Y., a corporation of New York. Republished by registrant.

Great Western

FOR GRAPE JUICE.
Claims use since 1914.

Reg. No. 348,465. Registered July 27, 1937. COUNTRY CLUB SODA COMPANY, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

Country Club
8
PLUS
Mixer

The word "Mixer" is disclaimed apart from the mark as shown.
FOR NON-ALCOHOLIC BEVERAGES.
Claims use since on or about Feb. 20, 1937.

Reg. No. 377,512. Registered May 7, 1940. COUNTRY CLUB SODA COMPANY, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

Country Club

FOR NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS.
Claims use since March 1901.

Reg. No. 380,441. Registered Aug. 20, 1940. MR. NEWPORT, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

MR. NEWPORT

The word "Newport" is disclaimed apart from the mark as shown.

FOR NON-ALCOHOLIC MALTLESS BEVERAGES.
Claims use since Sept. 8, 1938.

Reg. No. 384,378. Registered Jan. 14, 1941. THE "J.C." COMPANY, INC., Topeka, Kans., a corporation of Kansas. Republished by registrant.

JUSTLY CELEBRATED JC

FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS FOR MAKING THE SAME.
Claims use since Aug. 16, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 69,365. Registered June 9, 1908. STROHMEYER & ARPE COMPANY, New York, N. Y. Republished by Judice Fialho & Co., Faro, Portugal, a partnership of Portugal.

MARIE ELISABETH

FOR SARDINES AND CANNED FISH.
Claims use since 1891.

Reg. No. 69,626. Registered June 23, 1908. THE FRANKLINVILLE CANNING CO., Franklinville, N. Y. Republished by The Houghland Packing Co., Inc., Franklin, Ind., a corporation of Indiana.



FOR CANNED FRUITS AND VEGETABLES.
Claims use since about July 1, 1890.

Reg. No. 74,451. Registered July 13, 1909. SARAH DOW GILMAN, Boston, Mass. Republished by Osmon B. Gilman, doing business as Bailey's, Boston, Mass.

Bailey's

FOR CHOCOLATES AND ALL KINDS OF CANDIES.
Claims use since about 1890.

Reg. No. 95,863. Registered Mar. 24, 1914. BARBER & BENNETT, Albany, N. Y. Republished by Barber & Bennett, Inc., Albany, N. Y., a corporation of New York.

FORT ORANGE

FOR RYE, WHEAT AND BUCKWHEAT FLOUR.
Claims use since Sept. 15, 1913.

Reg. No. 102,330. Registered Feb. 9, 1915. EDWARDS & LOOMIS CO., Chicago, Ill. Republished by Hales & Hunter Co., Chicago, Ill., a corporation of Illinois.

MORNING GLORY

FOR POULTRY FEED.
Claims use since Mar. 4, 1914.

Reg. No. 105,721. Registered Aug. 17, 1915. EDWARDS & LOOMIS CO., Chicago, Ill. Republished by Hales & HUNTER CO., Chicago, Ill., a corporation of Illinois.

FOR MIXED-GRAIN FEEDS FOR POULTRY AND POULTRY MASH FEEDS.
Claims use since on or about July 31, 1908.

Reg. No. 113,721. Registered Oct. 31, 1916. STEPHEN A. GERRARD, Cincinnati, Ohio. Republished by The S. A. Gerrard Co., Cincinnati, Ohio, a corporation of Ohio.

AMERICAN BEAUTY

FOR CANTALOUP.
Claims use since May 15, 1913.

Reg. No. 115,377. Registered Feb. 6, 1917. M. O'CONNOR AND COMPANY, Indianapolis, Ind. Republished by registrant.

SUN RIPE

M C & CO.

FOR CANNED FRUITS AND VEGETABLES, SALMON, HOMINY, PORK AND BEANS, AND CATSUP.
Claims use since about Jan. 1, 1911.

Reg. No. 117,139. Registered June 19, 1917. P. E. HARRIS & Co., Seattle, Wash., a corporation of Washington. Republished by registrant.

Spartan

FOR CANNED SALMON.
Claims use since Dec. 26, 1916.

Reg. No. 117,907. Registered Aug. 7, 1917. M. O'CONNOR AND CO., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

GILT EDGE

FOR CANNED PEACHES, CANNED APRICOT, CANNED HAWAIIAN PINEAPPLE, CANNED APPLES, CANNED CHERRIES, CANNED PEARS, AND CANNED PLUMS, OLIVES, CANNED VEGETABLES, CANNED SAUER KRAUT, CANNED SUCCOTASH, FLAVORING EXTRACTS FOR FOODS, JAMS, MINCE MEAT, HOMINY GRITS AND DRIED HOMINY, PEANUT BUTTER, PORK AND BEANS.
Claims use since prior to 1890.

Reg. No. 132,402. Registered June 22, 1920. HALES & EDWARDS COMPANY, Chicago, Ill. Republished by Hales & Hunter Co., Chicago, Ill., a corporation of Illinois.

RED HORN

The illustration or figure of the head of a calf is disclaimed apart from the mark.

FOR MIXED-GRAIN FEEDS FOR CALVES AND PIGS.
Claims use since on or about the middle of October 1914.

Reg. No. 151,797. Registered Feb. 14, 1922. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Honolulu, Territory of Hawaii, a corporation organized under the laws of the Territory of Hawaii. Republished by registrant.

DISCOVERY

FOR CANNED PINEAPPLE.
Claims use since Feb. 15, 1921.

Reg. No. 151,800. Registered Feb. 14, 1922. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., a corporation organized under the laws of the Territory of Hawaii. Republished by registrant, present locations Honolulu, Territory of Hawaii, and San Francisco, Calif.

HONEY DEW

FOR CANNED PINEAPPLE.
Claims use since Feb. 15, 1921.

Reg. No. 154,516. Registered Apr. 18, 1922. THE CLEVELAND PROVISION COMPANY, Cleveland, Ohio. Republished by Cleveland Provision Company, Cleveland, Ohio, a corporation of Ohio.

WILTSHIRE BRAND

The word "Brand" is disclaimed apart from the mark as shown.

FOR COOKED AND SMOKED WIENERS, COOKED AND SMOKED LUNCHEON MEAT, COOKED MINCED

SAUSAGE, BAKED MEAT AND TOMATO LOAF, COOKED JELLIED CORN BEEF, COOKED JELLIED OX LIPS, COOKED JELLIED PIG TONGUE, COOKED JELLIED OX TONGUE, COOKED LIVER DELICACY, BAKED SUGAR ROAST HAM, COOKED PHILADELPHIA-STYLE SCRAPPLE, COOKED SQUARE BONELESS HAM, COOKED SANDWICH LOIN, COOKED SANDWICH HAM, COOKED BONELESS HAM, CURED AND SMOKED HAM, CURED AND SMOKED SKINNED HAM, CURED AND SMOKED BACON, CURED AND SMOKED COTTAGE BUTTS, LARD, CURED SALT PORK, BAKED MACARONI AND CHEESE LOAF, NUT MARGARINE, OLEOMARGARINE, FRESH PORK SAUSAGE.

Claims use since May 1915.

Reg. No. 179,982. Registered Feb. 19, 1924. F. G. WOOL PACKING COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

Betty's Best

The word "Best" is disclaimed apart from the mark as shown.

FOR CANNED FRUITS.
Claims use since May 15, 1923.

Reg. No. 198,770. Registered May 26, 1925. ALBERT W. SISK & SON, Preston, Md. Republished by Albert W. Sisk & Son (1941), Preston, Md., a firm.

RED-GLO

FOR CANNED FRUITS AND VEGETABLES.
Claims use since Dec. 1, 1924.

Reg. No. 199,417. Registered June 9, 1925. MINER-HILLARD MILLING COMPANY, Wilkes-Barre, Pa., a corporation of Pennsylvania. Republished by registrant.

M-H. BONNY BRIDE

FOR CAKE FLOUR.
Claims use since June 1924.

Reg. No. 220,903. Registered Nov. 16, 1926. BURNHAM & MORRILL CO., Portland, Maine, a corporation of Maine. Republished by registrant.

PARIS

FOR CANNED VEGETABLES.
Claims use since August 1878.

Reg. No. 224,558. Registered Mar. 1, 1927. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Iwilei, Territory of Hawaii, a corporation organized under the laws of the Territory of Hawaii. Republished by registrant, present locations Honolulu, Territory of Hawaii, and San Francisco, Calif.

Coral Sea

FOR CANNED FRUITS—NAMELY, PINEAPPLE.
Claims use since Sept. 11, 1926.

Reg. No. 236,758. Registered Dec. 20, 1927. THE FISHER BROTHERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Famous

FOR BREAD.
Claims use since Mar. 1, 1916.

Reg. No. 236,760. Registered Dec. 20, 1927. PAXTON & GALLAGHER CO., Omaha, Nebr., a corporation of Nebraska. Republished by registrant.

Butter-Nut

JELL

The word "Jell" is disclaimed apart from the mark as shown.

FOR GELATIN DESSERT PREPARATION.
Claims use since Dec. 27, 1926.

Reg. No. 236,902. Registered Dec. 27, 1927. PAXTON & GALLAGHER CO., Omaha, Nebr., a corporation of Nebraska. Republished by registrant.

Butter-Nut

FOR MAYONNAISE, THOUSAND ISLAND DRESSING, SANDWICH SPREAD COMPOSED OF MAYONNAISE, CHOPPED PICKLES, AND VARIOUS CONDIMENTS, CHILI SAUCE, SPICES, AND FOOD-FLAVORING EXTRACTS.
Claims use since Oct. 1, 1925.

Reg. No. 237,133. Registered Jan. 3, 1928. THE FISHER BROTHERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

FOUR ROSES

FOR COFFEE.
Claims use since July 1, 1927.

Reg. No. 240,487. Registered Mar. 27, 1928. BLISH MILLING COMPANY, Seymour, Ind., a corporation of Indiana. Republished by registrant.



FOR SELF-RISING WHEAT FLOUR.
Claims use since 1908.

Reg. No. 240,488. Registered Mar. 27, 1928. BLISH MILLING COMPANY, Seymour, Ind., a corporation of Indiana. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since April 1926.

Reg. No. 240,515. Registered Mar. 27, 1928. ROBERT H. DART, Sacramento, Calif. Republished by registrant.

DARTLAND

FOR FRESH GRAPES.
Claims use since August 1917.

Reg. No. 241,093. Registered Apr. 17, 1928. BLISH MILLING COMPANY, Seymour, Ind., a corporation of Indiana. Republished by registrant.

MAGNOLIA

FOR SELF-RISING WHEAT FLOUR.
Claims use since 1909.

Reg. No. 241,158. Registered Apr. 17, 1928. BLISH MILLING COMPANY, Seymour, Ind., a corporation of Indiana. Republished by registrant.



FOR SELF-RISING WHEAT FLOUR.
Claims use since 1922.

Reg. No. 242,333. Registered May 22, 1928. BLISH MILLING COMPANY, Seymour, Ind., a corporation of Indiana. Republished by registrant.

Alabama Maid

FOR SELF-RISING WHEAT FLOUR.
Claims use since May 2, 1927.

Reg. No. 244,436. Registered July 17, 1928. BLISH MILLING COMPANY, Seymour, Ind., a corporation of Indiana. Republished by registrant.



FOR SELF-RISING FLOUR.
Claims use since 1922.

Reg. No. 256,740. Registered May 21, 1929. GEORGIE PORGIE COMPANY, Council Bluffs, Iowa. Republished by R. F. Willey, doing business under the name Georgie Porgie Company, Council Bluffs, Iowa.

Georgie Porgie



FOR CEREAL BREAKFAST FOOD.
Claims use since Aug. 20, 1928.

Reg. No. 256,931. Registered May 28, 1929. STANDLEE & BRYANT, Brawley and Los Angeles, Calif. Republished by W. M. Corn, Calipatria, Calif.

GOLD FEATHER

FOR FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, FRESH GRAPES, HONEYDEW MELONS AND CANTALOUPES, FRESH CITRUS FRUITS.
Claims use since Dec. 1, 1926.

Reg. No. 258,301. Registered July 2, 1929. W. F. STRAUB LABORATORIES, INC., Chicago, Ill. Republished by W. F. Straub and Company, Chicago, Ill., a corporation of Illinois.

Lake Shore

FOR SALAD OIL—NAMELY, COTTONSEED OIL, AND EXTRACTED HONEY.
Claims use since Mar. 1, 1928.

Reg. No. 260,958. Registered Sept. 3, 1929. SEEMAN BROTHERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

GOLDEN
KERNELETTES

The lining on the drawing is merely for shading purposes.
FOR CANNED CORN.
Claims use since Jan. 31, 1929.

Reg. No. 265,432. Registered Dec. 24, 1929. SOUTHERN RICE SALES COMPANY, INC., New York, N. Y. Republished by River Brand Rice Mills, Inc., New York, N. Y., a corporation of Delaware.

LUSTRO

FOR RICE.
Claims use since Aug. 14, 1929.

Reg. No. 267,843. Registered Mar. 4, 1930. ITALIAN FOOD PRODUCTS COMPANY, INC., Long Beach, Calif. Republished by West Coast Packing Corporation, Long Beach, Calif., a corporation of California.

FAR-FAMED

FOR CANNED TUNA.
Claims use since May 3, 1928.

Reg. No. 284,885. Registered July 7, 1931. CORN & WARE, Calipatria, Calif. Republished by W. M. Corn, Calipatria, Calif.

HOWDY

FOR FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, FRESH MELONS—NAMELY, CANTALOUPES AND HONEYDEWS.
Claims use since Jan. 21, 1931.

Reg. No. 299,716. Registered Dec. 20, 1932. FLORIORANGE CANNERIES, INC., Mount Dora, Fla. Republished by Frank Burkart, doing business as Burkart Products, Mount Dora, Fla.

FLORIDA'S FINEST FLORIDA'S FINEST

No claim is made to the name "Florida's" or to the word "Finest" apart from the mark as shown.
FOR CANNED CITRUS FRUITS AND CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Nov. 15, 1931.

Reg. No. 300,375. Registered Jan. 17, 1933. CORN & WARE, Calipatria, Calif. Republished by W. M. Corn, Calipatria, Calif.

DESERT EDGE

FOR FRESH CITRUS FRUITS, FRESH PEACHES, FRESH MELONS—NAMELY, CANTALOUPES AND HONEYDEWS.
Claims use since Jan. 21, 1931.

Reg. No. 302,108. Registered Mar. 28, 1933. ITALIAN FOOD PRODUCTS COMPANY, INC., Long Beach, Calif. Republished by West Coast Packing Corporation, Long Beach, Calif., a corporation of California.

Seaview

FOR CANNED FISH.
Claims use since Apr. 26, 1926.

Reg. No. 304,455. Registered July 11, 1933. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation organized under the laws of the Territory of Hawaii. Republished by registrant.

DIAMOND HEAD

FOR CANNED PINEAPPLE JUICE.
Claims use since Apr. 5, 1932.

Reg. No. 307,579. Registered Oct. 31, 1933. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Honolulu, Territory of Hawaii, a corporation of California. Republished by registrant.



The notation "I" is disclaimed apart from the mark as shown.
FOR CANNED PINEAPPLE.
Claims use since July 31, 1931.

Reg. No. 326,915. Registered Aug. 13, 1935. ROSS PACKING CO., INC., Selah, Wash. Republished by Ross Packing Co., Selah, Wash., a firm.

ROVAN

FOR DRIED FRUITS.
Claims use since September 1934.

Reg. No. 329,455. Registered Oct. 29, 1935. RIVAL FOODS, INC., Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

SLIMS

FOR CANNED PINEAPPLE.
Claims use since Apr. 25, 1935.

Reg. No. 339,801. Registered Oct. 20, 1936. SEEMAN BROTHERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PIQUE

FOR SAUCE OR SEASONING FOR MEAT, FISH, SOUP, AND THE LIKE.
Claims use since May 21, 1936.

Reg. No. 347,074. Registered June 15, 1937. SOUTHERN RICE SALES CO., INC., New York, N. Y. Republished by River Brand Rice Mills, Inc., New York, N. Y., a corporation of Delaware.

NEEDLE

FOR RICE.
Claims use since March 1935.

Reg. No. 347,123. Registered June 15, 1937. MIDDLESEX WHOLESALE GROCERY CO., New Brunswick, N. J. Republished by Middlesex Wholesale Grocery Co., Highland Park, N. J., a firm.

MIDDALE

FOR CANNED VEGETABLES.
Claims use since Dec. 3, 1936.

Reg. No. 347,241. Registered June 22, 1937. WURM BROTHERS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Appealing

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, AND SHELLFISH, AND CATSUP.
Claims use since Aug. 1, 1918.

Reg. No. 352,293. Registered Nov. 23, 1937. SEEMAN BROTHERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BAKED LIMALETTES

The word "Baked" is disclaimed apart from the mark as shown.
FOR CANNED LIMA BEANS.
Claims use since June 28, 1937.

Reg. No. 352,683. Registered Dec. 7, 1937. HALES & HUNTER CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR POULTRY FEED.
Claims use since Dec. 31, 1906.

Reg. No. 356,713. Registered May 10, 1938. THE S. A. GERRARD CO., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

Red Hat

FOR FRESH DECIDUOUS FRUITS, VEGETABLES, GRAPES, AND MELONS.
Claims use since July 6, 1937.

Reg. No. 368,096. Registered June 6, 1939. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation organized under the laws of the Territory of Hawaii. Republished by registrant.

JOHNNY PINEAPPLE



The word "Pineapple" is disclaimed apart from the mark as shown.
FOR CANNED PINEAPPLE AND CANNED PINEAPPLE JUICE FOR FOOD PURPOSES.
Claims use since Dec. 22, 1938.

Reg. No. 374,790. Registered Jan. 23, 1940. H. Y. MINAMI & SONS, Guadalupe and San Luis Obispo, Calif. Republished by H. Y. Minami and Sons, Guadalupe, Calif., a corporation of California.

OBISPO

FOR FRESH VEGETABLES.
Claims use since Sept. 3, 1939.

Reg. No. 378,140. Registered May 28, 1940. WEIS PURE FOOD STORES, Sunbury, Pa., a corporation of Pennsylvania. Republished by registrant.

BIG TOP

FOR CANNED VEGETABLES.
Claims use since Dec. 8, 1939.

Reg. No. 378,504. Registered June 11, 1940. POLIS & HAGAN, Edinburg, Tex., a firm. Republished by registrant.

Twin Eagles

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 6, 1939.

Reg. No. 384,498. Registered Jan. 21, 1941. WEST COAST PACKING CORPORATION, Long Beach, Calif., a corporation of California. Republished by registrant.

Royal Dish
(PLAT ROYAL)



CALIFORNIA
Mackerel

The words "California," "Mackerel," "Dish," "Plat," and the representation of a fish are disclaimed apart from the mark as shown.
FOR CANNED MACKEREL.
Claims use since Aug. 5, 1929.

Reg. No. 387,468. Registered May 20, 1941. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation of the Territory of Hawaii. Republished by registrant.



The drawing is lined for the colors red, yellow, light blue and dark blue. The representation of the label and the representation of the juice are disclaimed apart from the mark as shown.
FOR CANNED FRUIT JUICES FOR FOOD PURPOSES.
Claims use since June 2, 1938.

Reg. No. 398,820. Registered Nov. 24, 1942. WESTERN OREGON PACKING CORPORATION, Corvallis, Oreg., a corporation of Oregon. Republished by registrant.

Rose Festival

FOR CANNED FRUITS, BERRIES, VEGETABLES.
Claims use since August 1939.

Reg. No. 412,638. Registered Mar. 20, 1945. THE CHURNGOLD CORPORATION, Cincinnati, Ohio, a corporation of Delaware. Republished by registrant.

VEGESPRED

FOR SPREAD FOR BREAD AND COMPRISING MILK, SALT, VEGETABLE OIL, AND BREWERS' YEAST.
Claims use since Jan. 1, 1943.

Reg. No. 412,712. Registered Mar. 20, 1945. DELMAR NICHOLSON, Idyl Bay Isle, Fla. Republished by registrant.

IBI

FOR FRESH FRUITS—NAMELY, LIMES, LEMONS, AVOCADOS, MANGOS, PAPAYAS, BANANAS, GRAPEFRUIT AND TANGERINES.
Claims use since July 5, 1942.

Reg. No. 422,397. Registered July 23, 1946. CHASERS, INC., doing business under the name The Ohio Confection Company, New York, N. Y., assignor to The Ohio Confection Company, Cleveland, Ohio. Republished by The Ohio Confection Company, Cleveland, Ohio, a corporation of Ohio.

"Oh See!"

FOR CHOCOLATE COVERED ALMONDS, RAISINS, AND MINTS.
Claims use since Mar. 15, 1944.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 117,611. Registered July 17, 1917. A. SCHREIBER BREWING COMPANY, Buffalo, N. Y. Republished by Schreiber Brewing Company, Inc., Buffalo, N. Y., a corporation of New York.

Klenzle

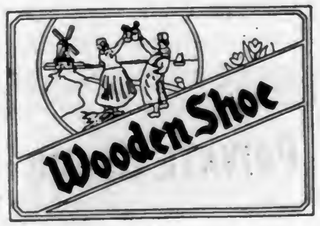
FOR BEER.
Claims use since about February 1883.

Reg. No. 333,953. Registered Apr. 14, 1936. THE STAR BEVERAGE COMPANY, Minster, Ohio. Republished by The Wooden Shoe Brewing Company, Minster, Ohio, a corporation of Ohio.

WOODEN SHOE

FOR MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT.
Claims use since July 1, 1913.

Reg. No. 333,956. Registered Apr. 14, 1936. THE STAR BEVERAGE COMPANY, Minster, Ohio. Republished by The Wooden Shoe Brewing Company, Minster, Ohio, a corporation of Ohio.



FOR BEER AND ALE.
Claims use since Feb. 21, 1934.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 310,151. Registered Feb. 13, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Sagamore Whisky

The word "Whisky" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since Oct. 11, 1933.

Reg. No. 311,037. Registered Mar. 13, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Gold Gables

FOR WHISKEY.
Claims use since Nov. 17, 1933.

Reg. No. 311,039. Registered Mar. 13, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Classic

FOR WHISKEY.
Claims use since Nov. 17, 1933.

Reg. No. 311,040. Registered Mar. 13, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Publicker

FOR WHISKEY.
Claims use since Nov. 17, 1933.

Reg. No. 311,041. Registered Mar. 13, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Old Treasure

FOR WHISKEY.
Claims use since Nov. 17, 1933.

Reg. No. 311,042. Registered Mar. 13, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Golden Dawn

FOR WHISKEY.
Claims use since Nov. 17, 1933.

Reg. No. 313,805. Registered June 12, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Envoy Club

The word "Club" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since Nov. 17, 1933.

Reg. No. 313,806. Registered June 12, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Planters Club

The word "Club" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since Nov. 17, 1933.

Reg. No. 316,673. Registered Sept. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

JESTER

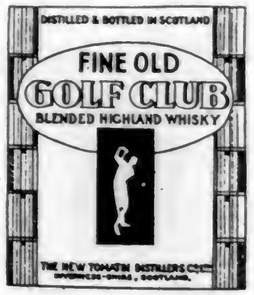
FOR WHISKEY.
Claims use since May 3, 1934.

Reg. No. 316,674. Registered Sept. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

BRIGANTINE

FOR WHISKEY.
Claims use since May 3, 1934.

Reg. No. 316,804. Registered Sept. 4, 1934. THE NEW TOMATIN DISTILLERS COMPANY LIMITED, Tomatin, Scotland, and London, England. Republished by Tomatin Distillers' Co., Ltd., Tomatin, Scotland, and London, England, a corporation organized under the laws of Great Britain.



All of the wording on the drawing is disclaimed except "The New Tomatin Distillers Company, Ltd.," apart from the mark as shown.
FOR WHISKY.
Claims use since Oct. 4, 1933.

Reg. No. 318,963. Registered Nov. 6, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

POCONO

FOR WHISKEY.
Claims use since July 11, 1934.

Reg. No. 318,964. Registered Nov. 6, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

WILLOW GROVE

FOR WHISKEY.
Claims use since July 11, 1934.

Reg. No. 318,969. Registered Nov. 6, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

CHESTNUT HILL

FOR WHISKEY.
Claims use since July 11, 1934.

Reg. No. 319,611. Registered Dec. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

PREFERRED STOCK

FOR WHISKEY.
Claims use since Aug. 8, 1934.

Reg. No. 319,859. Registered Dec. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

REGATTA

FOR WHISKEY.
Claims use since Aug. 8, 1934.

Reg. No. 319,860. Registered Dec. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

RAJAH

FOR WHISKEY.
Claims use since Aug. 8, 1934.

Reg. No. 319,861. Registered Dec. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

PRIVATE BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since Aug. 8, 1934.

Reg. No. 319,862. Registered Dec. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

PENNYPACK

FOR WHISKEY.
Claims use since Aug. 8, 1934.

Reg. No. 319,863. Registered Dec. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

PARK RIDGE

FOR WHISKEY.
Claims use since Aug. 8, 1934.

Reg. No. 319,864. Registered Dec. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

GRAMERCY

FOR WHISKEY.
Claims use since Aug. 8, 1934.

Reg. No. 319,867. Registered Dec. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

EXCLUSIVE STOCK

The word "Stock" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since Aug. 8, 1934.

Reg. No. 321,125. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

WALTMORE

FOR WHISKEY.
Claims use since Sept. 7, 1934.

Reg. No. 321,131. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

SHADY GROVE

FOR WHISKEY.
Claims use since Sept. 14, 1934.

Reg. No. 321,132. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

RUSTIC

FOR WHISKEY.
Claims use since Sept. 7, 1934.

Reg. No. 321,140. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

MIDWEST

FOR WHISKEY.
Claims use since Sept. 14, 1934.

Reg. No. 321,142. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

GROVEHILL

FOR WHISKEY.
Claims use since Sept. 7, 1934.

Reg. No. 321,213. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

GRAIN BELT

FOR WHISKEY.
Claims use since Sept. 14, 1934.

Reg. No. 321,216. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

COUNTY FAIR

FOR WHISKEY.
Claims use since Sept. 7, 1934.

Reg. No. 321,219. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

BOXWOOD

FOR WHISKEY.
Claims use since Sept. 7, 1934.

Reg. No. 321,487. Registered Feb. 5, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

GOOD CHEER

FOR WHISKEY.
Claims use since Oct. 11, 1934.

Reg. No. 321,488. Registered Feb. 5, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

YOURS TRULY

FOR WHISKEY.
Claims use since Oct. 11, 1934.

Reg. No. 321,507. Registered Feb. 5, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

UNIVERSAL

FOR WHISKEY.
Claims use since Oct. 6, 1934.

Reg. No. 321,508. Registered Feb. 5, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

SPORT CLUB

The word "Club" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since Oct. 6, 1934.

Reg. No. 321,512. Registered Feb. 5, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

FISHING CLUB

The word "Club" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since Oct. 6, 1934.

Reg. No. 321,513. Registered Feb. 5, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

DINTY'S

FOR WHISKEY.
Claims use since Oct. 6, 1934.

Reg. No. 321,514. Registered Feb. 5, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

ANGLER'S CLUB

The word "Club" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since Oct. 6, 1934.

Reg. No. 322,063. Registered Feb. 26, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

KEYSTONE

FOR WHISKEY.
Claims use since Nov. 17, 1933.

Reg. No. 322,072. Registered Feb. 26, 1935. "BIG 4" DISTILLERIES, INC., Dundalk, Md., assignor to Continental Distilling Corporation. Republished by Continental Distilling Corporation, Philadelphia, Pa., a corporation of Delaware.

HICKORY INN

FOR WHISKEY.
Claims use since May 15, 1934.

Reg. No. 335,137. Registered May 26, 1936. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

OLD HARBOR

FOR WHISKEY.
Claims use since Dec. 30, 1935.

Reg. No. 337,940. Registered Aug. 25, 1936. COUNTRY CLUB SODA COMPANY, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.



FOR WHISKEY.
Claims use since on or about Mar. 15, 1936.

Reg. No. 339,907. Registered Oct. 27, 1936. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

AUTHENTIC

FOR WHISKEY.
Claims use since Sept. 7, 1934.

Reg. No. 342,372. Registered Jan. 12, 1937. J. C. MILLETT CO., San Francisco, Calif. Republished by J. C. Millett Co., San Francisco, Calif., a corporation of California.

Menlo

FOR WHISKEY.
Claims use since Apr. 3, 1934.

Reg. No. 343,790. Registered Mar. 9, 1937. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.



The words "Keystone State" are disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since Nov. 17, 1933.

Reg. No. 349,721. Registered Aug. 31, 1937. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

OLD DIXIE

FOR WHISKEY.
Claims use since Mar. 21, 1928.

Reg. No. 376,997. Registered Apr. 16, 1940. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

DANDY

FOR WHISKEY.
Claims use since May 3, 1934.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 340,239. Registered Nov. 3, 1936. ZEESE-WILKINSON CO. INC., Long Island City, N. Y. Republished by Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Delaware.

INTAPRINT

FOR PRINTING PLATES.
Claims use since Dec. 9, 1935.

Reg. No. 412,255. Registered Feb. 27, 1945. FIDELITY MACHINE COMPANY, Philadelphia, Pa. Republished by Fidelity Machine Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

SHAKER JAC

The word "Shaker" is disclaimed apart from the mark as shown.
FOR SOUND AND MOISTURE ABSORBING AND COLD RETAINING FABRIC COVERINGS FOR COCKTAIL SHAKERS.
Claims use since Jan. 10, 1936.

PLANT PATENTS

GRANTED NOVEMBER 2, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

810
ROSE PLANT

Leslie A. Tuttle, Pasadena, Calif., assignor to Tuttle Bros. Nurseries, Pasadena, Calif., a partnership composed of Leslie A. Tuttle and Harry E. Tuttle

Application April 21, 1947, Serial No. 742,881

1 Claim. (Cl. 47—61)

The variety of rose plant herein disclosed, characterized by the shadings of the petals of the buds and open rose flowers which are respectively Begonia Pink and Shrimp Red shades, shading to Straw Yellow at their base and tips, and further characterized by the fact that the flowers have fewer petals than the parent "Picture" rose.

PATENTS

GRANTED NOVEMBER 2, 1948

2,452,534

PRODUCTION OF BIOCHEMICALLY PROCESSED LIQUID BASE MATERIAL FOR FOOD PRODUCTS

George A. Jeffreys, Salem, Va., assignor, by direct and mesne assignments, to Nelson Littell, New Canaan, Conn.

No Drawing. Application February 10, 1945, Serial No. 577,340
13 Claims. (Cl. 99—9)

1. In a biochemical process for producing a liquid nutritional material for food products, wherein cereal starch substance in water is cooked and converted to obtain a nutrient liquid and yeast and lactic acid organisms, respectively, are cultured in such liquid until such material is obtained, the improvement which comprises incorporating mold enzymes with the nutrient liquid obtained after the cooking and conversion steps and thereafter culturing yeast and lactic acid organisms therein in the presence of such mold enzymes.

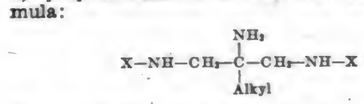
2,452,535

2-AMINO-2-ALKYL-N,N'-DIARYL-1,3 PROPANE DIAMINES AND PROCESS FOR MAKING

Harold G. Johnson, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application January 8, 1945, Serial No. 571,955
8 Claims. (Cl. 260—576)

1. Symmetrical 2-amino-2-alkyl-N,N'-phenyl-1,3-propanediamines having the general formula:



wherein X represents a substituent selected from a group consisting of phenyl, chlorophenyl, aminophenyl and alkylphenyl.

2,452,536

PROCESS FOR IMPREGNATING LEATHER WITH SULFONATED POLYMERIC COMPOSITIONS

Joseph S. Kirk, Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 25, 1944, Serial No. 546,579
7 Claims. (Cl. 8—94.21)

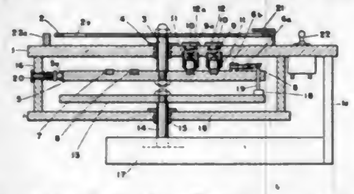
1. In a process for modifying leather, the step comprising thoroughly impregnating the leather with a solution of a sulfonated polymeric composition formed by reacting a polymerizable unsaturated carboxylic acid with a polymerizable olefin containing an aromatic substituent and sulfonating the product.

2,452,537

APPARATUS FOR AUTOMATICALLY CONTROLLING DURATION OF ELECTRICAL CURRENT

Ralph V. Anderson, United States Navy

Application April 10, 1946, Serial No. 661,041
6 Claims. (Cl. 200—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for controlling the duration of electric current comprising a mounting plate, an opening in said mounting plate, a rotatable shaft inserted in said opening, a selective manually operated dial fixed to said shaft and positioned on one side of said mounting plate, a disc fixed to said shaft on the other side of said mounting plate, commutator rings mounted in said disc, brushes mounted on said mounting plate in engagement with said commutator rings, contact points mounted on said disc and electrically connected to said commutator rings, said disc having a hole therethrough adjacent to said contact points, a plunger extending through said hole in said disc and in engagement with one of said contact points, a power driven shaft, a second disc fixed thereon, a cam so positioned on said disc as to engage and move said plunger toward said contact points during rotation of said second disc relative to said first mentioned disc, and detent means for holding said dial and first mentioned disc in selected position, said detent means comprising a spring detent supported by the mounting plate, and detent recesses in the periphery of said first mentioned disc to receive said detent.

2,452,538

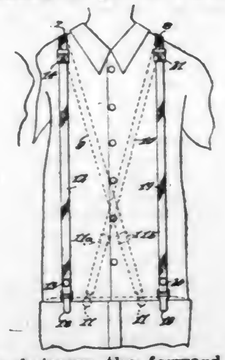
EXTENSIBLE SAFETY SUSPENDERS

Roy S. Ashton, Brooklyn, N. Y.

Application July 4, 1945, Serial No. 603,141
1 Claim. (Cl. 2—325)

A pair of suspenders comprising a pair of flexible straps adapted to be placed over the shoulders of a wearer to provide forward ends to support the forward side of a pair of trousers and rear ends to support the rear side of the pair of trousers, the rear ends of said straps having connecting means for coupling to buttons on the waist band of the trousers, the forward ends having relatively long portions looped upon themselves, a slotted connector adapted to be coupled to the forward side of the waist band of the trouser through which each of the looped forward straps extends, a button snap element on the terminal of each of said forward looped straps, and

a slidable connector releasably clamped to each forward looped strap and provided with a button snap element engageable by the first-named button snap element to provide a quickly detach-



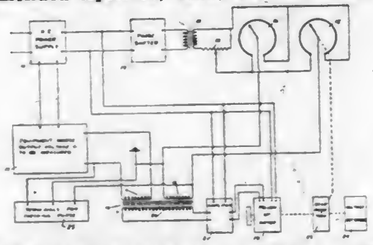
able coupling between the forward terminal of the strap and the clamped connector, the looped straps providing long sliding connections to allow the wearer to drop his trousers without separating said straps from the trousers.

2,452,539

SELF-BALANCING POTENTIOMETER

Bernard J. Baecher, New York, N. Y.

Application August 18, 1945, Serial No. 611,429
10 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. Electrical apparatus comprising a transformer having a pair of primary windings and a secondary winding, first and second sources of electric energy, means coupling said first source to develop a first voltage across one of said primary windings, means coupling said second source to develop a second voltage across the other of said windings in phase opposition with said first voltage, whereby a net voltage difference between said first and second voltages is derived at the terminals of said secondary winding, means responsive to said net voltage difference for adjusting said second voltage to a value minimizing said net voltage difference, and means connected to said secondary winding for indicating the magnitude of the net-voltage-difference minimizing voltage.

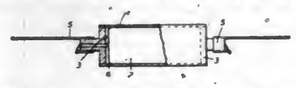
2,452,540

ELECTRICAL CONDENSER

Roy Mayne Barnard, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application February 7, 1947, Serial No. 727,023
In Great Britain March 5, 1946
4 Claims. (Cl. 174—77)

4. An electrical condenser comprising a casing formed of a rolled metallic tube made of springy metal and having an overlapping soldered seam, and a pair of end caps, which close



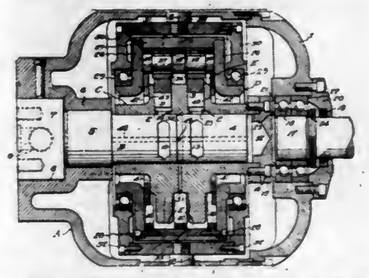
the respective ends of said tube, at least one of said end caps being of ceramic material.

2,452,541

ROTARY HYDRAULIC MACHINE

Elek K. Benedek, Chicago, Ill.

Application September 27, 1945, Serial No. 618,890
20 Claims. (Cl. 103—161)



1. In a hydraulic machine of the character described, a rotatably mounted cylinder barrel having a plurality of radially disposed, circumferentially deployed cylinders; pistons reciprocable respectively in said cylinders and each projecting beyond an end of the associated cylinder; a reactance structure; means mounting said reactance structure to rotate about an axis eccentric to the cylinder barrel axis of rotation; thrust transmitting means interposed between said reactance structure and the piston projecting ends for effecting reciprocation of said pistons when the cylinder barrel and reactance structure rotate; and means providing a fluid tight seal between said cylinder barrel and said reactance structure; said cylinder barrel, said seal means, and said reactance structure providing a substantially fluid tight enclosed chamber accomodating said ends of the cylinders and the piston projecting ends, said chamber being capable of retaining, without substantial leakage therefrom, a body of lubricating fluid.

2,452,542

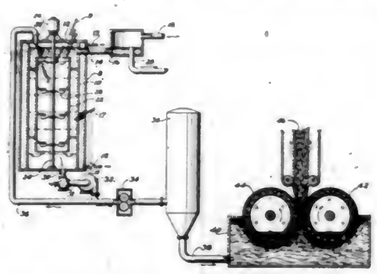
CONTINUOUS PROCESS FOR MAKING ALKALI CELLULOSE

William H. Bradshaw, Wilmington, Del., and William R. Schmitz, Jr., Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 27, 1942, Serial No. 463,514
4 Claims. (Cl. 260—233)

1. In a process for the continuous production of alkali cellulose of uniform composition the steps comprising continuously feeding cellulose into a slurry-forming receptacle, said feeding being subject to unavoidable slight fluctuations in feeding rate, continuously feeding sodium hydroxide solution to said receptacle at a substantially constant rate, continuously withdrawing alkali cellulose slurry from said receptacle at a substantially constant volume rate, said withdrawn alkali cellulose slurry containing slightly fluctuating amounts of alkali cellulose as a result of fluctuations in the feed rate of cellulose, continuously removing alkali

cellulose, containing a predetermined constant percentage of sodium hydroxide solution, from the alkali cellulose slurry at a substantially constant volume rate and while maintaining said slurry under superatmospheric pressure, and between



the steps of withdrawing said slurry and removing alkali cellulose therefrom permitting a fluctuating increase and decrease in the volume of the slurry to compensate for the slightly fluctuating amounts of alkali cellulose in the slurry being withdrawn from said receptacle.

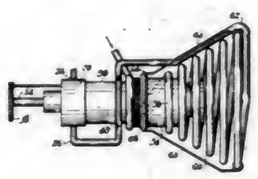
2,452,543

APPARATUS FOR BURNING LIQUID FUEL IN THE PRESENCE OF GAS UNDER PRESSURE

Delphis C. Breault, Lowell, Mass.

Application January 15, 1944, Serial No. 518,317

4 Claims. (Cl. 158—73)



1. Liquid fuel burner comprising a nozzle for projecting fuel in a predetermined direction for burning, a pipe for leading the fuel into the nozzle, said pipe being coiled coaxially of and in advance of the nozzle to preheat the fuel, and means to vary the spacing of the turns of the coiled pipe to vary the amount of air induced through the coil by the fuel projected from the nozzle.

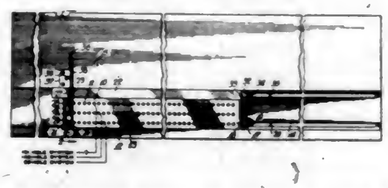
2,452,544

INDEXING DEVICE

Sidney Steven Brodie, New York, N. Y.

Application March 30, 1944, Serial No. 528,800

6 Claims. (Cl. 33—1)



1. An indexing device for moving a work piece a predetermined distance, comprising a supporting base providing a fixed reference frame, a plate member mounted on said base and movable with respect to said base in a predetermined plane, said plate member containing a plurality of indexing systems fixedly positioned thereon, each indexing system containing a plurality of indicia positions, the distance between two selected indicia in any system being different from the distance between any two indicia in any other indexing system, an arm member mounted on the base and movable only in a plane parallel to the predetermined plane of the plate member, the work piece being fixedly secured to one of said members and movable therewith, said arm member having a reference indicium and locating means associated therewith for engaging an indicium on an indexing system; said arm and plate members provided with position-locking means for independently fixing the position of the arm member and the plate member in any position with respect to the fixed reference frame, said plate and arm members being alternately unlockable and movable from their fixed position with respect to the fixed reference frame a distance equal to the distance between two selected indicia in any system, and continued alternate movement of said members moving the work piece the predetermined distance.

2,452,545

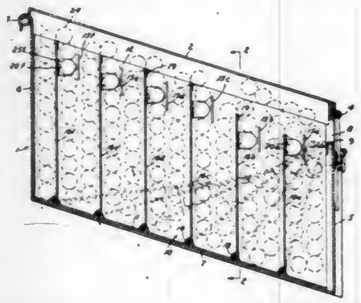
AMMUNITION CHEST

Wilson C. Broga, Westfield, Mass.

Application July 28, 1944, Serial No. 547,091

7 Claims. (Cl. 89—34)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. An ammunition chest for a belt of cartridges comprising in combination, a case member including vertical side walls and end walls and a bottom wall extending therebetween, the forward of said end walls having a discharge slot near the upper end thereof, a plurality of transversely disposed spacers having their lower ends pivotally mounted adjacent said bottom wall for successive pivotal movement toward said discharge slot, and means for temporarily retaining said spacers in an upright position, said spacers constructed and arranged to be successively released from behind said retaining means whereupon said spacers pivot forwardly to form an upwardly curving auxiliary floor for facilitating the slidable passage of the cartridge belt through said discharge slot, said bottom wall sloping upwardly away from said forward end wall whereby said spacers are mounted in progressively higher relation rearwardly to decrease the amount of cartridges lying beneath the horizontal plane of said discharge slot as the unsupported length of the cartridge belt is increased by the successive inclination of said spacers.

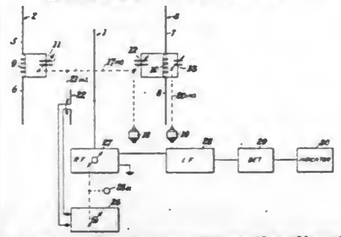
2,452,546

DIRECTION FINDER

Henri G. Busignies, Forest Hills, and John L. Allison, New York, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application June 20, 1945, Serial No. 600,478

22 Claims. (Cl. 343—116)



1. The method of determining the direction of a remote source of wave radiations which comprises, exciting a direction finding antenna by primary radiations from said source and also by auxiliary reradiations from a pair of other tuned antennae adjacent said direction finding antenna and rotatable with respect to said direction finding antenna, controlling the tuning of said pair of antennae by an injection signal local thereto, adjusting the phase relation between said pair of antennae and said direction finding antenna and producing an indication when said pair of antennae bear a certain phase relation with respect to said remote source.

5. In a system of the type wherein a main antenna is excited by primary radiations from a distant source and also by reradiations from a pair of tuned antennae also excited from said source, means to insure proper tuning of said pair of antennae comprising a local antenna in predetermined symmetrical relation to said pair of antennae for injecting a tuning tracking signal into said pair of antennae, and means to adjust the tuning of at least one of said pair of antennae until the effect of said injected signal is substantially equal in both said pair of antennae.

2,452,547

PULSE MODULATION SYSTEM OF ELECTRIC COMMUNICATION

Prafulla Kumar Chatterjea and Charles Thomas Scully, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company

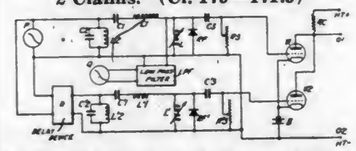
Application July 7, 1945, Serial No. 603,654

In Great Britain June 22, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires June 22, 1964

2 Claims. (Cl. 179—171.5)



1. A transmitter for producing trains of pairs of pulses, in which one pulse of each pair occurs at constant time intervals while the second of the pulses of each pair is time displaced according to the intelligence to be conveyed, comprising a source of alternating voltage, a pair of magnetic impulse coils, means for applying said voltage to one of said coils, means including a delay device introducing a time delay for applying said voltage to the other of said coils, a signal source, means for applying the signals from said signal source to only said one of said coils, and means for combining pulses produced in said coils into a common train.

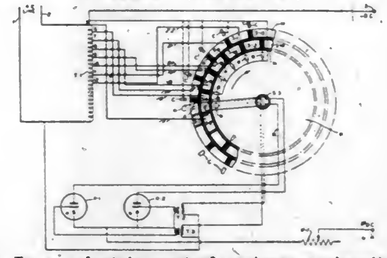
2,452,548

ELECTRONIC TRANSFORMER CONTROL

Dudley B. Clark, Palm Springs, Calif.

Application March 1, 1944, Serial No. 524,587

7 Claims. (Cl. 250—27)



1. In an electric control system; a circuit; an electronic tube, including a grid, in said circuit for controlling current flow through said circuit; a circuit for controlling said grid; switching mechanism including a plurality of spaced contacts, each contact being connected with a source of electric current of a voltage different from other of said currents, and a contact connected in the first mentioned circuit, said plurality of contacts and said contact being movable relative to one another whereby said contact engages each contact of said plurality of contacts successively and being disengaged from said contacts for an interval between engagement with each succeeding contact; and means for connecting said grid circuit with an electric current source during said interval.

2,452,549

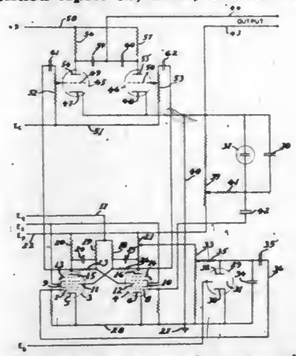
DOUBLE PULSE GENERATOR

Claud E. Cleeton, Washington, D. C.

Application June 24, 1939, Serial No. 280,930

15 Claims. (Cl. 250—36)

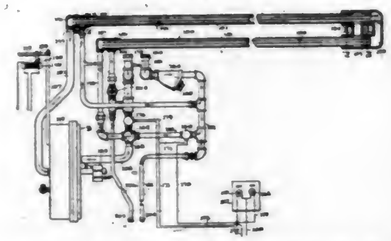
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



11. A double pulse generator, comprising a device of the locked electronic relay type having two conductive paths, means operating periodically to block one said path when in a conductive condition and so change the current from one said path to the other, means energized while said other path is conductive to block said other path after a predetermined interval and change the current back to said one path, and means com-

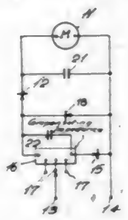
prising a single output signal channel responsive to both said paths and controlled thereby to produce a transient output signal pulse at the instant either path is blocked.

2,452,550
HYDRAULIC DYNAMOMETER
Edwin L. Cline, Pasadena, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.
Application May 20, 1942, Serial No. 443,833
41 Claims. (Cl. 188—90)



1. Load absorption means comprising: a hollow drum-like housing; a shaft rotatably mounted in said housing; a rotor in said housing secured in said shaft, said housing having a hub portion on the interior thereof and a series of straight vanes arranged substantially tangential to said hub portion and extending from said hub portion to the periphery of said housing forming a series of pockets between said vanes, said rotor having a hub portion and a plurality of radially outwardly extending vanes forming a series of pockets confronting the pockets of said housing; and means for admitting liquid into and for draining liquid from said housing.

2,452,551
RECTIFIER TYPE MEASURING INSTRUMENT
Harold B. Conant, Lincoln, Nebr.
Application April 27, 1945, Serial No. 590,607
6 Claims. (Cl. 171—95)



1. Apparatus for measuring alternating-current quantities comprising a current responsive measuring unit having terminals for connection to an alternating-current source with a direct-current responsive meter and a first rectifier connected in series between said terminals, a second rectifier connected between said terminals in parallel with said measuring unit to pass current in the same direction as said first rectifier for compensating readings of said meter for variable characteristics of said first rectifier, and a third rectifier also connected between said terminals in parallel with said measuring unit to pass current in a direction opposite to that passed by said first rectifier for by-passing substantially all of the inverse current around said meter.

2,452,552
FISHING BAIT AND METHOD OF PREPARING THE SAME
Osborn M. Curtis, Jr., and Theodore M. Prudden, Hingham, Mass., assignors to LobLure, Inc., Hingham, Mass., a corporation of Maine
No Drawing. Application January 10, 1945, Serial No. 572,244
8 Claims. (Cl. 99—3)

1. A crustacean bait, comprising an absorbent carrier of the class consisting of grease, soap, coco-oil and oil which is dispersible in fishing water and into which has been absorbed a crustacean-attractive essence adapted to be released at a rate related to the rate at which the carrier disperses in the fishing water.

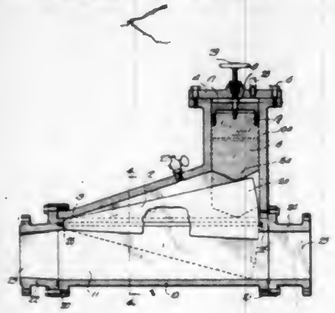
2,452,553
FISHING BAIT
Osborn M. Curtis, Jr., and Theodore M. Prudden, Hingham, Mass., assignors to LobLure, Inc., Hingham, Mass., a corporation of Maine
No Drawing. Application January 30, 1946, Serial No. 644,436
2 Claims. (Cl. 99—3)

1. A fishing bait for controlled dissemination in fishing water, comprising a luring essence, a liquid carrier, and a container having a restricted outlet opening for accurately controlling the dissemination of the essence when the bait is immersed in the fishing water.

2,452,554
PRODUCTION OF ACRYLONITRILE
Harold S. Davis, Riverside, and Erwin L. Carpenter, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 6, 1942, Serial No. 446,068
7 Claims. (Cl. 260—465.9)

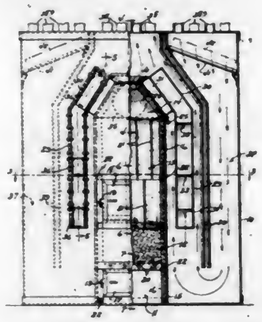
1. The method of producing acrylonitrile which consists of heating ethylene cyanohydrin in the presence of a sufficient amount of a residue resulting from the heat treatment of the ethylene cyanohydrin so as to cause dehydration of the ethylene cyanohydrin.

2,452,555
FRICTION NOZZLE
Joaquin J. de la Roza, Sr., New York, N. Y.
Application January 3, 1944, Serial No. 516,818
2 Claims. (Cl. 137—153)



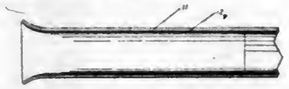
1. A nozzle device for imposing frictional and constrictive pressures upon materials passing therethrough comprising a body with a longitudinal passageway of rectangular cross section and a closure chamber communicating with the passageway, an inlet and outlet for the passageway, a closure member having the shape of a sector of a cylinder and pivoted along the edge opposite its curved surface and adjacent the inlet to the passageway, the free end moving in an arc across the outlet, a groove in the body surrounding the closure member, a packing strip in the groove forming with said member a liquid-tight seal between the passageway and the closure chamber, a cylinder communicating with the closure chamber, a piston in the cylinder movable into and out of the closure chamber, said piston having its end abutting the closure member near the free end of said member, and a source of gas pressure connected to the cylinder whereby said piston causes said closure member to exert a predetermined pressure on the material passing through the passageway.

2,452,556
RADIATOR STRUCTURE FOR AIR HEATING FURNACES
Frederick W. Eichholtz, Norvelt, Pa.
Application July 17, 1944, Serial No. 545,284
1 Claim. (Cl. 126—99)



In a hot air heating furnace, the combination, which comprises, a centrally disposed furnace unit having a dome-shaped upper end; a plurality of radiator chambers rectangular-shape in vertical and horizontal cross section parallel to and spaced from the sides of said furnace unit, said radiators having horizontally disposed baffles in the intermediate parts thereof and vertically disposed baffles spaced from the rearward ends providing horizontal and vertical passages respectively, the uppermost of said horizontally disposed baffles extending from the forward ends of the said radiators to points spaced from the vertically disposed baffles providing open areas for the downward passage of gases therein, and the lowermost of said horizontally disposed baffles extending from the lower ends of the vertically disposed baffles, providing an L-shaped transverse web in each of said radiators; the lower element of said web extending forward to a point spaced from the forward end of each of said radiators providing open areas for the downward passage of gases therein, flue connections at the forward ends of the radiators positioned above the uppermost of said horizontally disposed baffles and between the upper ends of the said radiators and the dome-shaped upper end of the furnace unit, and stack connections extending from the upper ends of the vertical passages formed by the vertically disposed baffles and merging to a common outlet.

2,452,557
PROTECTED TUBE AND METHOD
Saul A. Eller, New York, N. Y.
Application August 11, 1945, Serial No. 610,378
2 Claims. (Cl. 285—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method for protecting a tube from corrosion and erosion comprising the steps of locating a spray source of rubber-like material at the entry end of the tube, directing a spray stream from said source along the inner surface of the tube to coat the tube for a longitudinal distance of about 6 to 12 inches, controlling said spray stream to form the coating with feathered edges at the entry extremity and at the extremity about 6 to 12 inches therefrom and to form the coating of about .01 to .02 inch thickness between the extremities, controlling said spray stream to streamline the exposed inner surface of the coating, and hardening said coating in situ by exposing said coating to air.

2,452,558
FUSE
Cecil C. Fawcett, Philadelphia, and John J. Hart, Bryn Mawr, Pa., assignors to the United States of America as represented by the Secretary of War
Application December 15, 1939, Serial No. 309,417
2 Claims. (Cl. 102—82)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a fuse, a body having a cavity, a base plug in the cavity of the body, said plug having a recess in its front face and a communicating flash passage reduced to provide a shoulder, a disk fitting in the recess and seated on the shoulder of the plug, said disk having a thickness in excess of the depth of the recess to space the marginal face of the plug from the fuse body, said disk formed with marginal openings establishing communication between the recess and passage in the plug, and an annular powder pellet carried in the marginal face of the plug.

2,452,559
ULTRA SHORT WAVE OSCILLATOR
John Heaver Fremlin, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application January 20, 1945, Serial No. 573,772
In Great Britain November 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 19, 1963
7 Claims. (Cl. 250—36)

1. A wave generating arrangement including a discharge device of the velocity modulating type comprising a cathode for producing an electron

beam, a collector electrode, a cavity resonator arranged in the path of said beam between said cathode and collector electrode and provided with apertures for passage of the beam therethrough, a source of variable voltage, first means for connecting said source between said resonator and collector electrode and said cathode for accelerating the electrons in said beam, a control grid adjacent said cathode about said beam path, and second means for connecting said source to said grid for controlling the beam density, said first and second connecting means including a compensating circuit for maintaining the potential applied to said collector electrode and resonator constant.

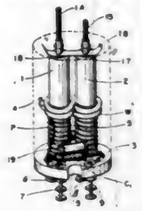


2,452,560

BAND-PASS TRANSFORMER

Joseph B. Gainer, Washington, D. C.

Application August 11, 1945, Serial No. 610,373
10 Claims. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. A radio frequency transformer comprising first and second winding forms disposed in close side by side relation with their axes substantially parallel, a primary winding disposed on said first form, a secondary winding disposed on said second form substantially in juxtaposition to said first winding and inductively coupled thereto, a two-loop closed circuit tertiary winding having at least one turn in each of its loops and one of its loops disposed on said first form substantially coaxial with said primary winding and the other of its loops disposed on said second form substantially coaxial with said secondary winding, said tertiary winding being adjustable as a unit along said forms towards and away from adjacent ends of said primary and secondary windings to effect thereby a variation in the mutual coupling between the primary and secondary windings.

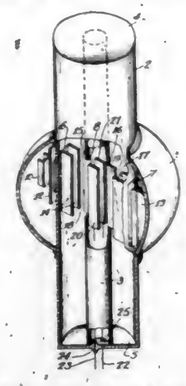
2,452,561

ELECTRON DISCHARGE APPARATUS USING VELOCITY MODULATED BEAMS

William Thomas Gibson, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company

Application October 5, 1942, Serial No. 460,764
In Great Britain February 6, 1940
4 Claims. (Cl. 315—6)

1. Electron discharge apparatus comprising a resonator including a short length of coaxial transmission line having concentric inner and outer tubular conductors electrically connected at their ends, aligned slots narrower than they are long in said inner and outer conductors along a common diameter forming first and second working gaps, means external to said resonator and aligned with said slots for generating an electron beam and for directing it through said slots, and deflecting plates mounted in said inner conductor on either side of the path of the electron beam, said deflecting plates being separated from said inner conductor so as to permit the deflecting plates and the inner conductor to be given different electric potentials.

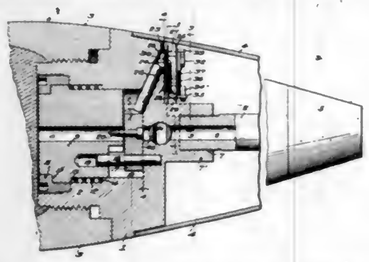


2,452,562

FUSE

John C. Gillette, Washington, D. C., and Braxton H. Tabb, Jr., Arlington, Va.

Application February 29, 1944, Serial No. 524,430
6 Claims. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



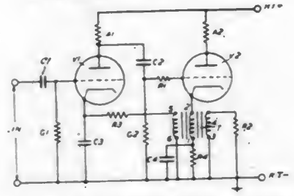
3. In a fuze for attachment to a shell containing an explosive charge, a delay arming mechanism comprising a body having a recess therein, a plunger in said recess mounted for forward movement upon impact, a rotor pivotally mounted on the body normally in the path of and preventing movement of said plunger and being responsive to centrifugal force to move clear of said path to an armed position, a forwardly exposed detonator mounted in the plunger, a firing pin carried by the rotor normally out of line with said detonator but in line therewith when the rotor is in said armed position, movable rotor locking means normally locking the rotor in unarmed position but movable in response to centrifugal force to an unlocking position free of the rotor, a movable delay member carried by said body normally in stopping engagement with said rotor locking means and movable by centrifugal force to a clearing position free of the rotor locking means, said delay member having stopping relation to the rotor locking means through an initial part of the movement of the delay member, and an escapement mechanism operatively connected with said delay member to limit its rate of movement.

2,452,563

CIRCUITS FOR REPEATING SQUARE SHAPED WAVE FORMS

William Frank Glover, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company

Application January 11, 1945, Serial No. 572,378
In Great Britain January 15, 1944
2 Claims. (Cl. 179—171)



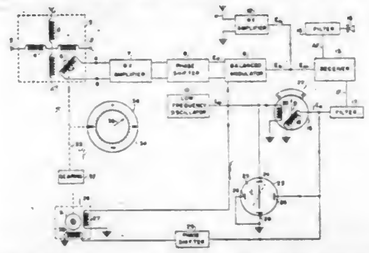
1. An amplifier for electric pulses comprising two thermionic valves, an output transformer having primary, secondary and biassing windings on a core of magnetic material, means to connect the primary winding to the output of one of the said valves, and means to supply current to an electrode of the other valve through the said biassing winding in such a manner as to generate in the said core a flux in opposition to the flux produced therein by pulses transmitted through the said transformer.

2,452,564

DIRECTION FINDER

Maxwell K. Goldstein, Washington, D. C.

Application May 15, 1945, Serial No. 593,900
2 Claims. (Cl. 343—117)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



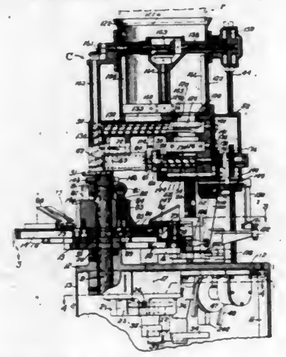
1. A radio direction finder for determining the direction of a received signal comprising a directional antenna, directivity orientation control means therefor operative to invert the phase of the signal derived therefrom in dependency on the orientation of a directional characteristic with respect to an incoming signal, a non-directional antenna, oscillator means, means responsive to the oscillator means operative to recurrently invert the directional antenna signal phase, means for combining the non-directional antenna output with the recurrently inverted signal to thereby produce a resultant signal, a monitoring device having a pair of deflecting means operative to provide a visual indication of the relative phase and amplitudes of a pair of input signals applied thereto, means coupling the output of said oscillator to one of said deflecting means, means coupling said resultant signal to the other of said deflecting means whereby an instantaneous indication of the orientation of the directivity of the antenna means with respect to an incoming signal may be had, first power supply means responsive to the oscillator to supply an output voltage, second power supply means responsive to said resultant signal to supply an output voltage of a quadrature phase to the first power output voltage in dependency on the orientation of the directional characteristic with respect to an incoming signal, two phase motor means energized by the first and second power supply means, and means coupling the motor means to the directivity orientation control means operative to orient the directivity characteristic with respect to the incoming signal.

2,452,565

MACHINE FOR APPLYING PLASTIC MATERIAL

Carl F. Hammann, Boston, Mass., assignor to North American Research Corporation, Cambridge, Mass., a corporation of Massachusetts

Application October 20, 1943, Serial No. 506,931
8 Claims. (Cl. 12—79.6)



1. A machine of the type described having, in combination, means for supporting a shoe; mechanism for applying plastic material; spreader ironing means mounted on said machine and being slidably movable in a horizontal plane; means for moving said shoe supporting means into and out of fixed cooperative relationship with said mechanism; and means for operating said mechanism when said supporting means and said mechanism are in cooperative relationship.

2,452,566

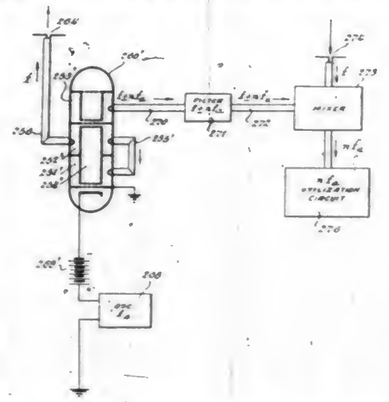
ULTRA HIGH FREQUENCY CIRCUIT AND METHOD

William W. Hansen and John R. Woodyard, Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware

Original application August 21, 1943, Serial No. 499,562. Divided and this application December 23, 1944, Serial No. 569,516
6 Claims. (Cl. 343—12)

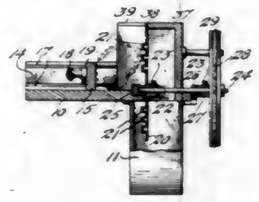
5. Ultra high frequency apparatus, comprising means for producing an electron stream, means for producing self-sustained grouping of the electrons of said stream at a predetermined frequency, means for controlling said stream at a modulating frequency, and means for extracting ultra high frequency energy from said stream at a frequency differing from said predetermined frequency by an integral multiple of said modulating frequency.

6. Apparatus as in claim 5, further including means for extracting energy of said predetermined frequency, means for radiating said extracted energy of predetermined frequency, means for receiving a portion of said radiated



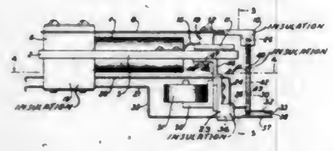
energy, and means for mixing said received energy and said different frequency extracted energy to produce an intermediate frequency of an integral multiple of said modulating frequency and independent of variation of said predetermined frequency.

2,452,567
ROTARY VEGETABLE CUTTER ON A HORIZONTAL AXIS WITH A FOLLOWER FEED
Leonard O. D. Harris, Clifton, Va., and Willie P. Padgett, Forest City, N. C.; said Padgett assignor to said Harris
Application March 14, 1946, Serial No. 654,313
3 Claims. (Cl. 146—115)



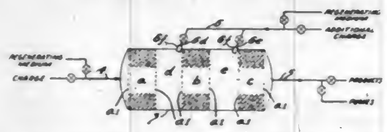
1. A vegetable cutter including a support, a receptacle provided beneath an opening in the support, a cutter member arranged vertically and rotating on a horizontal axis to extend into the receptacle, said cutter member comprising a disk having elongated openings therein extending at right angles to radii of the disk equi-distantly spaced apart and arranged in radial rows, and cutter blades having angular lugs secured to the side of the disk opposed to the side against which the vegetables to be cut are adapted to be arranged, and being in the form of channels with tapered sides having the edges of their wide ends in line with the cutting edges at the open sides of the channels frictionally engaged in the opposite ends of the openings to adjust the projection of the cutting edges from the opposite side of the disk, and means for pressing the vegetables against the cutter and means for adjusting the cutters relative to the vertical plane of the disc, whereby the cutting size may be controlled.

2,452,568
SWITCHING DEVICE
Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 1, 1943, Serial No. 504,582
9 Claims. (Cl. 177—353)



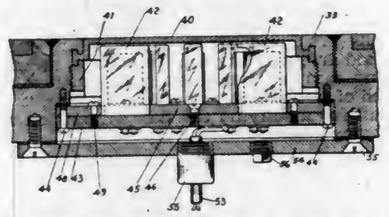
1. A switch comprising a coil, an armature, sets of contact springs directly operable by said armature and a member connected to each set of contacts for causing a succeeding set of contacts to be directly operated by said armature and a preceding set of contacts to be released each time the armature is actuated to establish succeeding temporary electrical connections.

2,452,569
PROCESS OF TREATING HYDROCARBONS IN PRESENCE OF HOT CONTACT MASSES
Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application September 10, 1946, Serial No. 695,921
18 Claims. (Cl. 196—49)



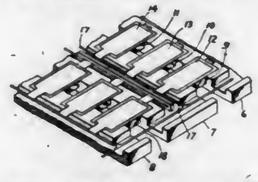
2. The process of treating hydrocarbon material in the presence of contact material adapted to affect conversion endothermically conducted in each of a pair of contact zones having a mixing zone between them and thereafter to be subjected to a regenerating operation, the steps which comprise conducting a conversion operation of the character described below in the presence of such contact material with resultant deposition thereon of an amount of carbonaceous material which, when burned during the subsequent regenerating operation, stores in the contact material an amount of heat substantially in excess of that required for effecting on-stream conversion in the contact zones, burning the deposited carbonaceous material from the contact material with resultant storage therein of an amount of heat as specified above, causing hydrocarbon material having temperature lower than that of the contact material in one contact zone to pass therethrough to remove stored excess heat therefrom with resultant elevation in temperature of the hydrocarbon material and substantial conversion thereof into hydrocarbon products which enter said mixing zone at such elevated temperature, introducing into said mixing zone hydrocarbon material having temperature lower than that of said hydrocarbon products, heat being exchanged between said hydrocarbon products and said hydrocarbon material to produce a hydrocarbon mixture having temperature lower than that of the contact material in the other contact zone, and passing at least a portion of said hydrocarbon mixture, as the operation proceeds, into said last named contact zone with resultant elevation in temperature thereof, substantial conversion thereof and removal of stored excess heat from said last named contact zone.

2,452,570
COMPRESSIONAL WAVE TRANSMITTING AND RECEIVING DEVICE
Beverly R. Hubbard, Melrose, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application May 5, 1933, Serial No. 669,477
6 Claims. (Cl. 177—386)



2. An acoustical apparatus comprising in combination a housing provided with a face for the transit of acoustical energy, electromechanical interchanging means positioned within said housing, said means including a plurality of vibratory Rochelle salt crystals, each of which is provided with end surfaces perpendicular to its compressional axis, a supporting element in said housing, and recesses in said supporting element shaped to conform with individual crystals, said crystals being disposed in said recesses to be thereby supported by said element at points on opposite side surfaces.

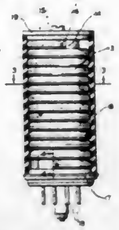
2,452,571
SOUND SIGNALING APPARATUS
Ivan C. Clement, Wakefield, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application June 14, 1933, Serial No. 675,700
9 Claims. (Cl. 177—386)



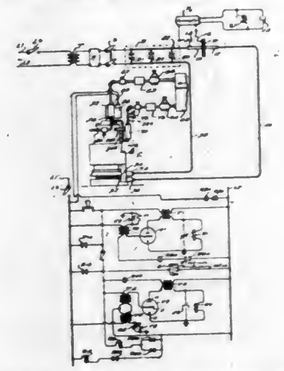
2. A submarine transceiver including a piezoelectric crystal of the Rochelle salt type formed as a flat plate, means supporting the plate near its end positions on one side, a diaphragm covering the plate on the other side and in acoustic relation thereto, said crystal being provided with electrodes and means conductively connected to said electrodes.

2,452,572
DELAY LINE
John L. Jago, Lower Lake, Calif., assignor to the United States of America as represented by the Secretary of War
Application October 20, 1944, Serial No. 559,647
1 Claim. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A delay line comprising: a flexible core provided with a first spirally-wound layer of insulated wire, and a second similarly wound layer of insulated wire; said layers being wound in opposite directions and each having its turns spaced by a distance equal to about one-half the diameter of said wire; the resulting wire-wound core being coiled in the form of a helix about an insulated support; means for securing the free ends of said helical wire-wound core to said support, said means comprising dielectric plugs positioned at the ends of said flexible core and pins extending through said core and said plugs and engaging said insulated support, a second insulated support enclosing said delay line, and terminal socket means electrically continuous with said delay line and mechanically engaged by said insulated supports.



2,452,573
DIRECT-CURRENT APPARATUS FOR WELDING UTILIZING ENERGY STORAGE APPARATUS
Fred H. Johnson, Pleasant Ridge, and Chester F. Leathers, Detroit, Mich.; said Leathers assignor to Progressive Welder Company, Detroit, Mich., a corporation of Michigan
Application March 22, 1943, Serial No. 479,998
5 Claims. (Cl. 219—4)



1. A direct current welder comprising an energy storage apparatus capable of storing at one time sufficient energy to make a plurality of welds and of delivering said energy to a welding circuit in the form of direct current energy, said apparatus being adapted for association with electrodes engageable with work, and through which the work may be supplied with said welding current, electrical conductors for connecting said electrodes and said storage apparatus in a welding circuit, said conductors being free of electrical inductance except for the inherent self-inductance thereof, a substantially noninductive circuit controlling means controlling flow of current through said circuit, said controlling means being operable in a first operative condition to permit full welding

current to flow through said circuit and said electrodes and work, said controlling means being operable in a second operative condition to provide resistance to current flow through said circuit greatly in excess of the normal resistance of said conductors and said electrodes and work whereby the flow of current through said circuit is reduced to a minor fraction of said normal welding current, said controlling means being operable in a third operative condition to interrupt current flow through said circuit, and means to actuate said controlling means from said first condition to said second condition and automatically operable at the expiration of a predetermined time interval subsequent to the actuation of said controlling means out of said first condition to actuate said controlling means into said third condition, said time interval being so related to the inherent self-inductance of the welding circuit that substantially all of the inductively stored energy in said circuit is dissipated prior to the interruption of said current flow.

2,452,574

METHOD OF WELDING SEAM PORTIONS OF ELECTRICALLY CONDUCTING ARTICLES

Lyman L. Jones, Seattle, Wash., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application October 29, 1946, Serial No. 706,481
8 Claims. (Cl. 219—10)



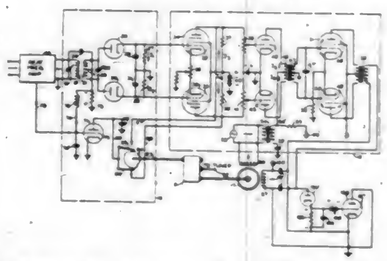
1. A method of welding seam portions of electrically conducting articles, which comprises positioning seam portions of two such articles in opposed relation, and passing an electric welding current from the seam portions of one of said articles directly to the seam portions of the other to weld the seam portions of both articles, thereby producing simultaneously two separate and independent welded articles.

2,452,575

AUTOMATIC FREQUENCY CONTROL

Charles R. Kenny, Crestwood, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application April 22, 1943, Serial No. 484,103
29 Claims. (Cl. 250—36)



9. Automatic frequency control apparatus comprising a variable frequency source, frequency regulation means for said source, motive means for actuating said frequency regulation means, means responsive to actuation of said frequency regulating means for controlling operation of said motive means to cause said source frequency to scan a predetermined frequency band, means providing a signal representing variation from a desired frequency condition, and means responsive to said signal for controlling said motive means to maintain said desired frequency condition and for rendering said operation controlling means inoperable to vary the frequency of said source.

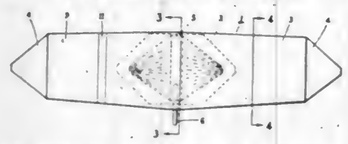
15. Automatic frequency control apparatus comprising frequency regulation means, motor means driving said frequency regulation means, means providing a signal controlling operation of said frequency regulation means, means providing damping substantially proportional to the speed of said motor, and means responsive to said signal for modifying the damping action of said damping means.

2,452,576

METHOD OF GROWING CRYSTALS

Bengt R. F. Kjellgren, University Heights, and Hans Jaffe, Cleveland Heights, Ohio

Application November 10, 1945, Serial No. 627,800
10 Claims. (Cl. 171—327)



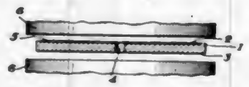
1. The method of growing a crystal which comprises the steps of providing a solution of the substance to be crystallized conditioned to inhibit crystal growth along at least one but not all of the axes of the crystal and to increase substantially the possible degree of supersaturation of the solution without causing spurious crystalline growth therein; introducing into the solution a seed body having extension in the directions of inhibited growth about equal to the corresponding extension of the crystal to be grown; and, for the purpose of accelerating deposition of clear crystal material on the seed body in the direction of uninhibited growth, maintaining a substantially higher degree of supersaturation in the solution than is operable for such purpose in a solution of the said substance free from the stated inhibition.

2,452,577

DRY RECTIFIER ELEMENT AND METHOD OF MANUFACTURE

Chester A. Kotterman, Livingston, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application October 7, 1943, Serial No. 505,330
4 Claims. (Cl. 175—366)



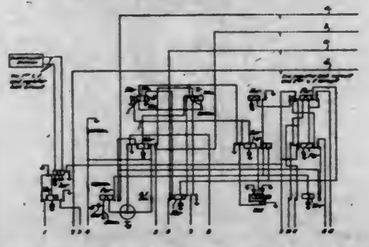
1. A process for producing a dry rectifier element having a semi-conducting layer of specific thickness, comprising forming a base plate with an upstanding rim having a height equal to said thickness and a flat surface extending inwardly from the rim; disposing on said surface a quantity of a thermoplastic semi-conducting material, and forming said material into a flat layer flush with the upper margin of the rim by pressing a flat hot surface against the material and forcing said hot surface toward the base plate until arrested by the rim, the heat and pressure being sufficient to fuse the material and form a continuous uniform layer strongly adherent to the base plate surface.

2,452,578

TELEPHONE SYSTEM UTILIZING A REGISTER CONTROLLER

Jacob Kruithof, Ladislas Kozma, and Martinus den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application January 22, 1943, Serial No. 473,278
In the Netherlands May 20, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 20, 1961
16 Claims. (Cl. 179—18)



1. In a telecommunication system, a plurality of numerically designated lines, selector switches for connecting a calling line towards a called line, said selectors having cyclically operated movable contacts and cooperating sets of stationary bank contacts over all of which said movable contacts move consecutively during each cycle, electromagnetic means for controlling the movement of said movable contacts, groups of outlets connected in multiple to the bank contacts of all selectors, a register controller, means for temporarily associating said register controller with a selector, means associated with the calling line for operating said controller to register the numerical designation of the called line, a control circuit extending from the register controller to the connected selector for controlling said movable contacts to select a group of outlets determined by the numerical designation of the called line and to hunt for an idle outlet in the selected group, means in the connected selector for applying a signaling potential to the control circuit which is characteristic for an outlet with which the movable contacts are connected, there being a plurality of different sources of potential, each characteristic for a different outlet, and a responsive device for controlling the operation of the controller actuated by the signaling potential.

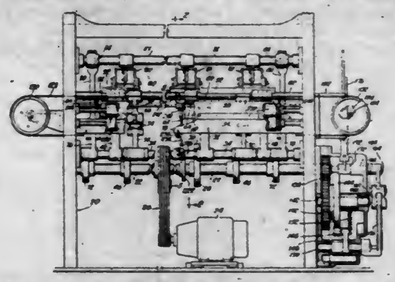
2,452,579

WARP KNITTING MACHINE

Fritz Lambach, Tenafly, N. J.

Application October 3, 1945, Serial No. 620,113
13 Claims. (Cl. 66—34)

1. A warp knitting machine comprising: a needle bar carrying a series of needles, at least one guide bar carrying a series of warp guides, a guide bar drive associated with said guide bar for periodic actuations thereof with its warp guides so as to feed warp yarns to said needles, a needle bar drive associated with said needle bar for imparting periodic reciprocating movements to same with its needles in a predetermined direction towards and away from said warp guides, at least one filler thread carrier, a carrier drive associated with said filler thread carrier for imparting periodic movements to same in a longitudinal direction so as to lay filler thread substantially parallel to said series of needles, a sinker bar carrying a series of filler sinkers, a sinker bar drive associated with said sinker bar for imparting periodic movements to same with its filler sinkers towards and



away from the direction of the strokes of said needles so as to place, during a movement towards said needles, filler thread laid by the filler thread carrier in position to be incorporated into fabric produced by the knitting implements of the machine, and controlling means associated with said drives for coordinating their functions and the functions of said needles, warp guides, filler thread carrier, and filler sinkers, and the assembly being such as to impart a longitudinal movement to said filler thread carrier during a movement of said needles away from said warp guides.

2,452,580

TERMINATION FOR ELECTRIC POWER CABLES

Edwin Charles Lee, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company

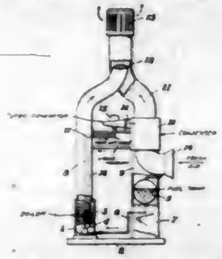
Application February 19, 1945, Serial No. 578,666
In Great Britain February 25, 1944
5 Claims. (Cl. 174—20)



1. A terminating assembly for an electric cable having a conductor, covered by insulation and a metal sheath partly cut back and lapped with tape to form a built-up insulation of uniform diameter along its length comprising, a tubular

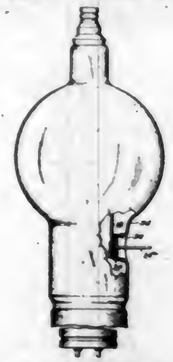
member of insulating material adapted to tightly engage said insulating tape, a porcelain insulating member tightly fitted over said tubular member to form a bonding seal substantially throughout its contact surface, means for sealing said members at one end to said metal sheath, and means for sealing the other end of said members to said cable conductor.

2,452,581
TURBOGENERATOR
Gerard J. Lehmann, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 7, 1944, Serial No. 539,228
14 Claims. (Cl. 290—2)



1. A mercury-vapor turbo-generator comprising a mercury-vapor turbine, a generator operated by said turbine, a gas-tight housing enclosing both said turbine and said generator, and gas tight supply means for supplying said mercury vapor to said turbine means for permitting passage of said mercury vapor between said turbine and said generator.

2,452,582
LEAD CONNECTOR FOR ELECTRONIC DISCHARGE DEVICES
Charles V. Litton, Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 22, 1943, Serial No. 515,268
17 Claims. (Cl. 250—27.5)



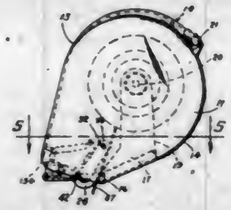
1. In an electronic discharge device, an envelope, an internal lead member positioned within said envelope, said lead member having a plane surface portion provided with a generally circular opening therethrough, an external lead member having a disc-shaped portion, a metal cup whose closed bottom is provided with an extension protruding through and beyond the opening in said internal lead member and on its inner side surrounding said disc-shaped portion, a portion of said extension beyond said opening extending outwardly to overlap part of the plane surface of said internal lead member, and another portion of said extension extending inwardly to overlap part of the disc-shaped portion of said external lead member so as to attach said lead members to said metal cup, and means sealing the lip of said metal cup to an opening in said envelope.

2,452,583
SLEEVE VALVE ENGINE
Marcus Lothrop, United States Navy, Berkeley, Calif.
Application October 31, 1945, Serial No. 625,925
4 Claims. (Cl. 123—188)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



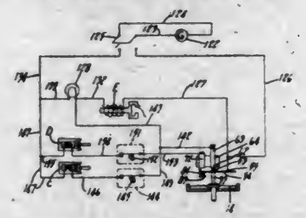
4. A clamp for use in an engine having a cylinder with ports therein, a piston within said cylinder, moving elements which function in timed relation with the operation of the engine and a thin, flexible sleeve disposed between said cylinder and piston, the sleeve being movable to cover and uncover said ports, the clamp being disposed for linking the sleeve to said moving elements and including a member having projections thereon which are in engagement with portions defining openings in the sleeve, another member in nested relation with the first-named member for effecting close contact of the sleeve therewith, and means for holding the nesting members in engagement.

2,452,584
ADHESIVE TAPE APPLYING DEVICE
George C. Luebkeman, Cincinnati, Ohio, assignor of one-half to J. David Luebkeman, Libertyville, Ill.
Application July 26, 1946, Serial No. 686,407
18 Claims. (Cl. 216—22)



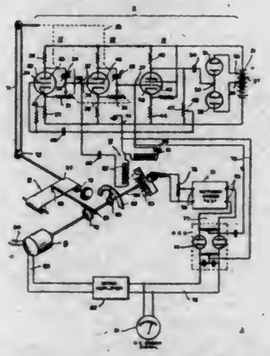
1. A tape applying device comprising a casing to house a roll of adhesive tape and provided with an opening, a shoe pivoted within the opening in the casing, a yoke shiftably mounted in the housing adjacent said opening, a presser member on the yoke and normally exposed by said opening and cooperating means on the yoke and shoe positively resisting movement of the presser member into the casing, the shoe being movable about its pivotal mounting by pressure on one end thereof for releasing said cooperating means and permitting movement of the yoke whereby the presser is retired to the interior of the casing, and a cutter secured in the shoe and presenting its cutting edge toward the roller.

2,452,585
RATCHET MOTOR CONTROL MECHANISM
William W. Maher, San Francisco, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 30, 1946, Serial No. 666,104
13 Claims. (Cl. 318—21)



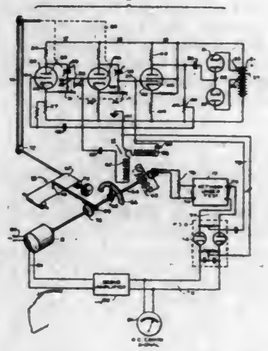
1. In a control mechanism for can testers, the combination of a detector unit including a diaphragm and a movable contact head, an adjustable holder mounted in said unit and axially movable relative to said diaphragm, a stationary contact head supported by said holder and having cooperation with said movable contact head under action of the diaphragm for detecting leaks in cans, and means mounted in said unit and operable on said holder for shifting said holder to reset said stationary contact head to establish a neutral position for said diaphragm.

2,452,586
PHASE SHIFT CIRCUITS
Rawley D. McCoy, Bronxville, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application March 23, 1944, Serial No. 527,769
8 Claims. (Cl. 250—36)



1. An oscillator, comprising first and second amplifier type phase-shift circuits connected in cascade and a phase inverter circuit coupled back from the second phase shift circuit to the first, each of said amplifier-type phase shift circuits comprising an electron discharge device and a phase shift circuit connected thereto and arranged to produce a phase shift varying through 90° according to frequency.

2,452,587
NETWORK MEASURING APPARATUS
Rawley D. McCoy, Bronxville, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Original application March 23, 1944, Serial No. 527,769. Divided and this application February 24, 1945, Serial No. 579,592
3 Claims. (Cl. 346—32)

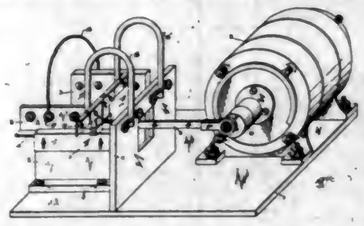


3. Network transmission test apparatus comprising a variable frequency generator including means for adjusting the frequency thereof, means having two input circuits for receiving first and second alternating voltages, a first coupling channel connected between said generator and one of said input circuits, a second coupling channel including said phase shifter connected between said generator and the second input circuit of said receiving means, means for including a test network in one of said channels, coupling means responsive to phase shift between said first and second alternating voltages for adjusting said phase shifter according to the phase angle between said first and second voltages, a recorder including a first element comprising a record receiving medium and a stylus second element, means for simultaneously moving said frequency adjusting means and one of said two elements of said recorder, and means coupling the other recorder element to said phase shifter adjusting means for varying the position thereof according to the position of said phase shifter adjusting means.

2,452,588
CABLE AND CABLE CONNECTOR FATIGUE TESTING MACHINE
Joseph Luther McFarland, Cairo, W. Va., and Kenneth Matzinger, Detroit, Mich.
Application October 2, 1945, Serial No. 619,912
3 Claims. (Cl. 73—100)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. Equipment for fatigue testing cable-like elements including two stationary anchor plates disposed approximately at right angles to each other, a carriage reciprocable in a plane parallel to one of said plates and perpendicular to the other, said carriage being provided with a reciprocating plate

parallel to said plane and a traveling bar perpendicular to said plane, means for anchoring the ends of said elements to the reciprocating plate, the traveling bar and the two stationary anchor plates, and means for reciprocating said carriage

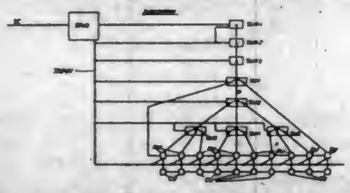


so as to simultaneously reciprocate said reciprocating plate and said traveling bar, whereby to twist and flex elements connected to the reciprocating plate and the anchor plate parallel thereto and to flex elements connected to the traveling bar and the other anchor plate.

2,452,589
ELECTRIC REMOTE CONTROL AND INDICATION SYSTEM
Eric Malcolm Swift McWhirter and Hugh Jennings Ward, London, England, assignors to Standard Telephones and Cables Limited, London, England, a company of Great Britain
Application January 14, 1944, Serial No. 518,250
In Great Britain January 22, 1943
32 Claims. (Cl. 177—353)

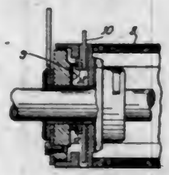
4. In a system for the electrical supervision of apparatus, a number of switching means each having contacts in a position corresponding to the condition of an apparatus to be supervised, a number of further switching means each adapted to assume a sequence of positions for producing in each position a group of simultaneous impulses representing a code so that in said sequence of positions a train of codes is produced, a sender adapted to be connected selectively to each one of the sequence switching means, relay means controlled from the sequence switching means of one apparatus when said sequence switching means is connected, said relay means preparing the connection of a sequence switching means of another cyclically predetermined apparatus so as to determine the order in which the different sequence switching means shall be connected, and means initiated by a change in condition of one of the apparatus for connecting and operating the associated sequence switching means, said connection being effective depending upon said relay means.

2,452,590
ELECTRIC SIGNALING SYSTEM
Eric Malcolm Swift McWhirter and Hugh Jennings Ward, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application January 8, 1945, Serial No. 571,862
In Great Britain December 24, 1943
7 Claims. (Cl. 177—353)



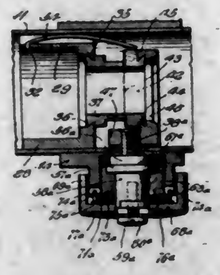
1. An electric selective signalling system comprising a control station and a substation, means at the control station for preparing a series of code signals which vary in kind, means for converting said signals and for sending corresponding signals to said substation, a plurality of selection units at said substation for receiving each signal, of said series of code signals, means in said selection units responsive to said signals for performing a selection in response thereto according to the kind of said signal means associated with each of said selection units for sending back to the control station a signal corresponding in kind to the transmitted signal and means at the control station for sending a further signal only upon the receipt of a signal following the selection effected by the signal sent immediately preceding such receipt.

2,452,591
PIN-WHEEL FEED
Albert W. Metzner, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Original application December 9, 1937, Serial No. 179,021. Divided and this application March 9, 1942, Serial No. 433,915
20 Claims. (Cl. 271—2.3)



1. In a record making apparatus wherein continuous relatively adjustable superposed record strips each having a succession of longitudinally spaced record receiving areas are progressively aligned and registered at a record receiving position with like areas of another of the strips, and wherein each strip has therein a succession of longitudinally spaced elongated slots for progressive engagement of the strips with a series of traveling flat feeding pins by which the strips are advanced past a record receiving position, the combination with such strip of a rotary carrier and a series of radial spaced flat teeth carried thereby engageable in the slots of the strip mounted for limited to and fro axial movement relative to the carrier into agreement with succeeding slots of the strips and movable radially relative to the carrier into and out of feeding engagement therewith.

2,452,592
TELESCOPIC SIGHT
Clarence H. Meyer, Ann Arbor, Mich., assignor to Argus, Incorporated, a corporation of Michigan
Application February 3, 1944, Serial No. 520,935
12 Claims. (Cl. 33—50)

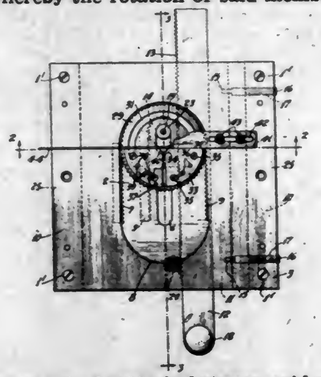


1. In an optical sighting device having a tube providing a longitudinal sighting path, a hollow support disposed in said tube and having a first guideway at one end thereof, a first adjustment member mounted for sliding movement along said guideway and having a second guideway at right angles to said first guideway, means on said tube for positively moving said member along said first guideway, a reticule holder mounted for sliding movement at one end thereof along said second guideway and having a third guideway parallel to said first guideway at its other end, a second adjustment member having a slide connection with said third guideway, and means for positively moving said second member in a direction perpendicular to said third guideway whereby movements of said reticule holder in directions at right angles to each other may be effected solely by moving said first and second adjustment members.

8. In an optical apparatus having a sighting tube and a sighting device mounted within said tube for adjustment transversely of the sighting path, a screw for adjusting said sighting device projecting outwardly through an opening in said tube; means on said tube providing an outwardly facing cup having an annular bottom wall encircling the projecting end of said screw; sealing means coacting with said annular wall and said screw for preventing ingress of extraneous material into said tube; pressure means for establishing a predetermined degree of seating pressure between said screw and said sealing means; and means for rotating said screw.

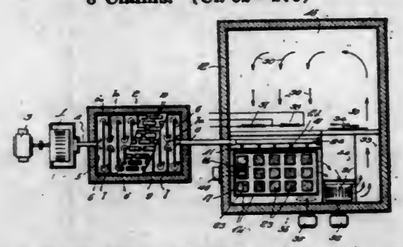
2,452,593
WIRE LOOPING MACHINE
Edward H. Miller, Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 11, 1945, Serial No. 621,827
5 Claims. (Cl. 140—104)

1. In a wire looping machine, two members, one face of each of said members extending in the same plane, cutouts in the adjacent ends of said members, a pin member mounted opposite the faces of said members, means for rotating each one of said members in a direction opposite to that of the other to a position in which the said faces are opposed, means for moving said pin member against and between said members during the rotating movement of the latter, said pin member being adapted to press the wire to be looped against the said cutouts of the said members, whereby the rotation of said members and



the movement of said pin between said members completes the formation of a loop in said wire.

2,452,594
METHOD OF REFRIGERATION EMPLOYING DRY ICE
Nathan Morris, Silver Spring, Md., assignor, by mesne assignments, to American Instrument Co., Inc., a corporation of Maryland
Application May 5, 1944, Serial No. 534,314
8 Claims. (Cl. 62—170)



1. The method of effecting refrigeration with solidified CO_2 at sub-zero temperatures which comprises dehydrating air, precooling the dehydrated air and blowing the precooled dehydrated air over the surface of solidified CO_2 in a confined temperature controlled area at a velocity sufficient to maintain the solidified CO_2 free from the collection of gas over the surface area thereof.

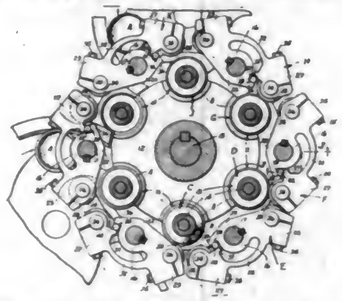
2,452,595
N(ETHYL MERCURY) PARA-TOLUENE SULFONANILIDE AND METHOD OF MAKING SAME
Dwight F. Mowery, Jr., Springfield, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 8, 1945, Serial No. 581,721
2 Claims. (Cl. 260—433)

1. N(ethylmercury) para-toluene sulfonanilide.

2,452,596
SEAMING ROLLER MOUNTING
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 3, 1945, Serial No. 632,291
5 Claims. (Cl. 113—23)

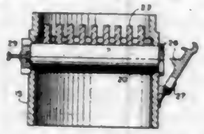
5. A can closing machine for sealing covers onto cans, the combination of a seaming head, a chuck

in said head for clamping a cover on a superimposed can for a seaming operation, a movable rocker element carried in said head adjacent said chuck, said element including a fixed arm and a yieldable spring arm having a free end spaced from the element, a first operation seaming roller carried on said fixed arm, a second operation seaming roller carried on said spring arm said rollers having cooperation with said chuck during



relative movement between the chuck and the seaming head, and wedging means secured to said fixed arm and engaged by the free end of said spring arm for imposing a preloaded spring pressure on the latter, said preloaded spring pressure being determined by the distance between said spring arm end and said element and providing a predetermined sealing pressure effective at said second operation seaming roller during seaming.

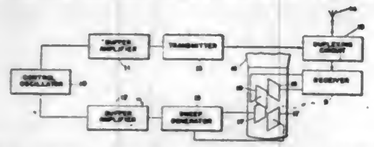
2,452,597
LOW-TEMPERATURE ENGINE STARTING AID
Robert I. Olsen, United States Navy
Application May 28, 1947, Serial No. 751,005
6 Claims. (Cl. 123—122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An intake manifold air heater unit comprising a hollow body portion defining a manifold passage, aperture means in the body portion for admitting an exothermic chemical heating capsule into the manifold passage, supporting means carried by the body operative to receive the capsule in a position transverse of the passage, and biasing means retractably engageable with the capsule for positioning the same on the supporting means.

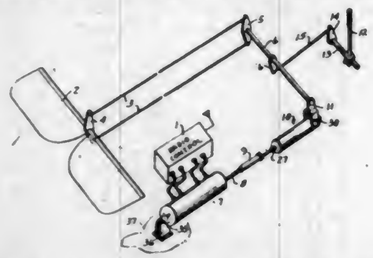
2,452,598
MULTIPLE RANGE INDICATOR
Robert M. Page, Washington, D. C.
Application January 6, 1942, Serial No. 425,719
11 Claims. (Cl. 343—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A radio pulse echo system comprising means for transmitting a regular series of pulses, means for receiving the reflections of said pulses from reflecting objects, a cathode ray tube, means forming on the viewing screen of said tube a recurring time trace synchronized with said pulse transmission, means forming on said time trace indications of the reception of said reflections, a scale in juxtaposition to said time trace and having its zero mark opposite the point of



origin thereof, means for changing the frequency of said pulse transmission and means for maintaining the point of origin of said time trace opposite the zero mark of said scale, the rate of movement of said time trace remaining constant.

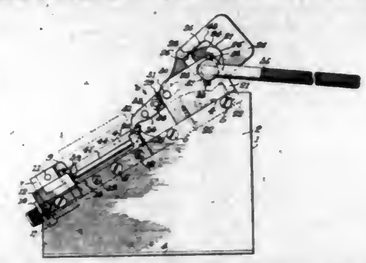
2,452,599
CONTROL SYSTEM FOR TARGET AIRCRAFT
Charles L. Paulus, Dayton, Ohio, and Howard A. Klein, Oakdale, Pa.
Application July 9, 1943, Serial No. 494,029
3 Claims. (Cl. 74—480)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a system for controlling an aircraft in flight, in combination, an aircraft control surface, actuating means therefor, servo-operating means associated with said actuating means, remote control means for controlling operation of said servo means, yieldable force transmitting means interposed between portions of the actuating means intermediate said servo means and said aircraft control surface, and manual control means directly connected with said aircraft control surface for actuation thereof independently of said servo means, said yieldable force transmitting means being normally operative to transmit controlling force from said servo means through said actuating means to said aircraft control surface for actuation of the latter, and said yieldable force transmitting means being yieldable to permit relative movement between said portions of the actuating means intermediate said aircraft control member whenever said manual control means is actuated.

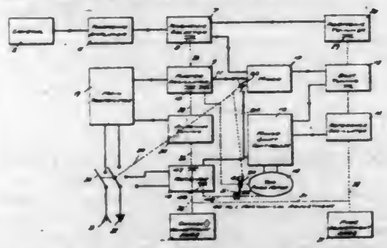
2,452,600
CLIP LOADING MACHINE
John E. Pool, Washington, D. C., and John W. P. Beaver, Alexandria, Va.
Application January 14, 1947, Serial No. 722,014
2 Claims. (Cl. 86—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A machine for loading clips having extremities cooperating to receive and retain blasting caps, comprising a support, an adjustably mounted block, pull hooks mounted on said block, said pull hooks adapted to engage one extremity of the clips, and manually actuated means including a cam shaft, a cam mounted on said shaft and a follower plate actuated by said cam, said follower block coacting with the other extremity



of the clips for spreading the extremities of the clips apart, whereby the blasting caps may be loaded in the clips which are actuated by the cam follower plate for releasing said extremities whereby the caps are retained in the clips.

2,452,601
FREQUENCY CONTROL MEANS
Richard H. Ranger, United States Army, Newark, N. J.
Application June 10, 1944, Serial No. 539,696
6 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Means for maintaining constant the frequency at which radio apparatus operates, said means comprising, first means adapted to generate a first selected frequency, second means adapted to generate a second selected frequency, a circuit arranged to receive said first frequency and said second frequency and to transmit the beat between said frequencies, first manually operable means controlling the respective frequencies of the component waves which together form said beat, third means adapted to generate a third selected frequency, second manually operable means interlocked with said first manually operable means and affording a more delicate control of the respective frequencies of the component waves which together form said beat, a two-phase motor operable in response to any frequency difference between said beat and said third frequency, a mechanical connection between said motor and said second means, whereby said motor tunes said second means so that said beat frequency is equal to the frequency of said third frequency and therefore the operating frequency of the apparatus is maintained constant, and sixth means mechanically connected under the control of said second manually operable means and electrically connected to the first means so as to tune said first means to compensate for any change in the first selected frequency caused by operation of said first manually operable means.

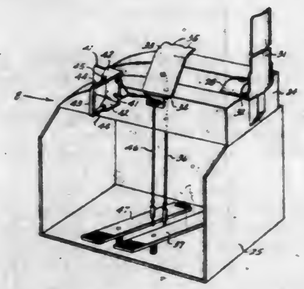
2,452,602
MANUFACTURE OF ALIPHATIC POLYAMINES
Correl N. Robinson, Jr., Trenton, and John F. Olin, Grosse Ile, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 5, 1944, Serial No. 534,352
8 Claims. (Cl. 260—583)

1. In the manufacture of amines by condensing a carbonyl compound having an unsaturated linkage with an aminating agent and hydrogen, the process of forming an aliphatic polyamine which comprises introducing a compound chosen from the class consisting of alpha, beta, ethylenic unsaturated aliphatic aldehydes and ketones progressively into a reaction vessel containing hydrogen under pressure, a hydrogenation catalyst, and an aminating agent chosen from the class consisting of ammonia and primary aliphatic amines, the alpha, beta unsaturated carbonyl compound being introduced into the reaction vessel containing the aminating agent at a rate not substantially greater than the rate of reaction thereof with the aminating agent.

2,452,603
METAL CONTACT RECTIFIER
Otto Saslaw, Lyndhurst, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 8, 1944, Serial No. 530,181
4 Claims. (Cl. 175—366)

1. A process of making a metal contact rectifier comprising fusing a semi-conducting selenium layer to a base plate, preparing a lacquer by dissolving a lacquer base in a volatile solvent, dissolving selenium dioxide in a compatible solvent and mixing the solutions, applying the lacquer to the selenium layer to form a coating, and applying a counter-electrode to the lacquer coating.

2,452,604
METHOD OF AND APPARATUS FOR INCLOSING A FOLDED PARACHUTE PACK
Edward L. Seismeyer, Green Bay, Wis.
Application April 3, 1945, Serial No. 586,433
10 Claims. (Cl. 100—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for folding the projecting flaps of a cover around a folded article resting on said cover, said device comprising means shaped to support and to hold in place the cover with the article therein, a holder to bear on said folded article

and hold it in place, a holding member including means to engage one flap of the cover whereby to hold said flap firmly in position, and means for clasping therein a flap opposite the first said flap and drawing it down in closed position thereon in such a manner that a third flap on the cover can be conveniently drawn manually in closed position to facilitate withdrawing the cover with the folded article incased therein from the device.

2,452,605
LUBRICATED CRANK STRUCTURE
Leon R. Shanton, Cherryvale, Kans.
Application February 6, 1947, Serial No. 726,911
3 Claims. (Cl. 74—605)

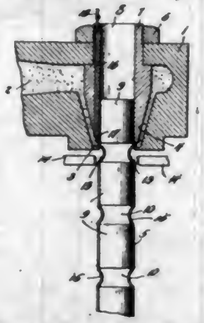


1. A self lubricated crank structure comprising a crank disc, a hub on the crank disc having a shaft receiving bore concentric with the crank disc, a radial arm integral with the crank disc lying between the periphery thereof and the hub, said arm having an opening therein lying parallel with the shaft receiving bore in the hub, a crank pin fixed in the opening and extending outwardly therefrom opposite the hub, said crank pin having a longitudinal oil inlet duct extending therethrough, said pin having a longitudinal oil return duct extending from the end which is fixed in the opening to a point intermediate its ends and a radial duct opening through its side into the return oil duct, an anti-friction bearing on the crank pin, an oil tight housing enclosing the anti-friction bearing, a coupling on the housing for connection to a connecting rod and a hollow cover enclosing the arm for cooperation with the crank disc in forming a reservoir for lubricant, the pin and the arm having a duct therein which establishes communication with the inlet duct and the reservoir and the pin and the arm having a duct therein which establishes communication between the return duct and the reservoir.

2,452,606
PHTHALOCYANINE PIGMENTS AND PROCESS FOR PRODUCING SAME
Alfred Siegel, Roselle, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 20, 1945, Serial No. 629,921
7 Claims. (Cl. 106—289)

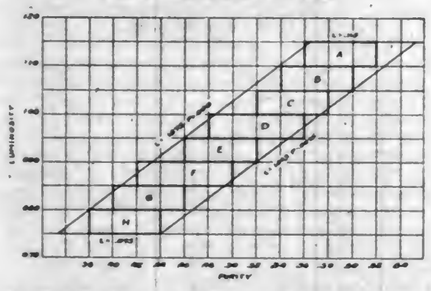
1. A process for producing a coalesced phthalocyanine coloring material, which comprises reacting in the substantial absence of moisture and at temperatures ranging from about 150–350° C. an aryl-orthodinitrile with a compound of a metal in the presence of from one-half to twenty parts per part of phthalocyanine pigment in the mixture of a substratum which is potentially reactive with said coloring material, comprising a calcined, anhydrous, white, inorganic pigment substance selected from the group consisting of titanium oxide and zirconium oxide.

2,452,607
METHODS OF PACKAGING
Charles E. Slaughter, New Canaan, Conn., assignor to Extruded Plastics, Inc., Norwalk, Conn., a corporation of Connecticut
Application February 2, 1945, Serial No. 575,856
8 Claims. (Cl. 18—59)



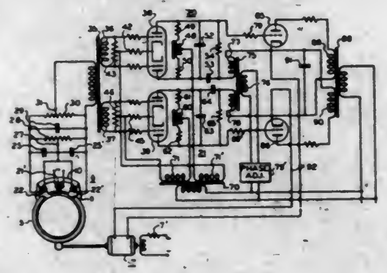
1. The method of producing plastic sheathed articles which comprises extruding heated thermoplastic resin in the form of a continuous tubing conforming substantially to the cross-sectional shape of the articles, intermittently inserting a series of discrete rigid articles within the tubing after the latter has attained its tubular shape and as the tubing is being extruded in such manner that the articles of the series are spaced from each other within the tubing, and rigidifying said tubing, said articles being of such a size that each article is in intimate contact with the wall of the tubing, the articles being so spaced that an unfilled portion of tubing extends beyond each article.

2,452,608
IRON OXIDE PIGMENTS AND METHOD OF PRODUCING THE SAME
George B. Smith, Evanston, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application May 29, 1941, Serial No. 395,763
9 Claims. (Cl. 106—304)



1. The method of producing an iron oxide pigment comprising mixing ground iron ore having an iron content of at least about 80% in terms of Fe_2O_3 with concentrated sulphuric acid of at least about 66° Baumé and in an amount less than the stoichiometric amount of said acid required to convert all of the iron oxide content of the ore to ferric sulphate, but in an amount sufficient to convert at least about 70% of said iron oxide content to ferric sulphate, continuing the reaction between said iron and said acid by conserving within the reactants sufficient heat given off by the exothermic nature of said reaction so as to maintain said reactants at an elevated temperature of the general order of 240°–270° F. and so as to form a reaction product which is fluid enough at said elevated temperature so that it can be discharged as a fluid from the reaction zone and will form a granular sensibly dry material upon cooling, and then calcining such material to convert the ferric sulphate to Fe_2O_3 and to form an iron oxide pigment.

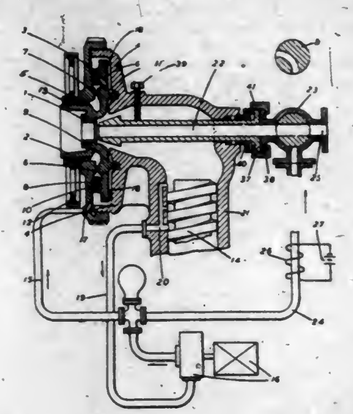
2,452,609
ANTIHUNT FOLLOW-UP SYSTEM
Brock A. Somers, Garden City, Rawley D. McCoy, Bronxville, and James R. Lilienthal, Brooklyn, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application October 2, 1942, Serial No. 460,726
9 Claims. (Cl. 318—31)



1. In a follow-up system for gyro compasses and the like embodying means furnishing a reversible electrical signal responsive to the magnitude and sense of the positional disagreement of the sensitive and "phantom" elements, a two-branch circuit fed thereby, each branch comprising means for obtaining a composite potential having a reversible phase alternating component corresponding to said signal and a reversible polarity non-alternating component derived from said signal and proportional to a time derivative of change of said disagreement, grid controlled rectifier tubes receiving said composite potentials respectively in like phase relationship and differentially controlled thereby, circuit means for supplying grid bias potentials and plate potentials to said tubes each in opposite phase relationship to tubes respectively associated with different ones of said branches and a direct current, constantly excited motor reversibly actuated by the outputs of said tubes for positioning said "phantom" element.

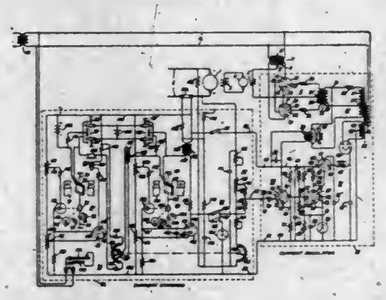
2,452,610
EXTRUSION MACHINE FOR PRODUCING POWER CABLES
Hugo Sonnenfeld, Bradford, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application January 1, 1945, Serial No. 570,894
In Great Britain October 26, 1943
4 Claims. (Cl. 18—13)

1. An extrusion machine comprising a die for extrusion of an unsymmetrical body of predetermined lay, means for rotating the die in predetermined relation to the speed of extrusion, and to the said lay, said die being mounted in a rotatable die holder and a gear wheel being fixed externally to said die holder, a die holder cover in which said rotatable die holder is mounted, an extrusion head to which said die holder cover is fixed, a shaft bearing and a thrust bearing provided between said die holder and said die



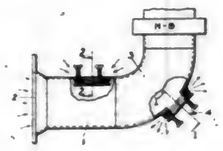
holder cover, and compressed air means provided for compensating the axial thrust on said thrust bearing.

2,452,611
ELECTRIC REGULATOR
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 21, 1946, Serial No. 655,981
11 Claims. (Cl. 322—36)



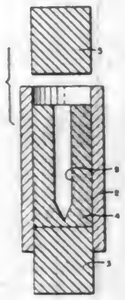
1. In combination, an electric circuit to be controlled, means for controlling said circuit, means for providing an electric quantity having a constant value, means for comparing an electric quantity of said circuit with said electric quantity of constant value and for providing a controlling electric quantity variable in accordance with the difference between the electric quantity of constant value and the electric quantity of said electric circuit, control means responsive to said controlling electric quantity for controlling said first mentioned means, means for deriving a second electric quantity from said electric circuit, a standard of reference, means for comparing said second electric quantity with said standard of reference for providing a differential quantity variable in accordance with the departure of said second electric quantity from said standard of reference, and means responsive to said differential quantity for modifying the operation of said control means.

2,452,612
RELIEF VALVE ASSEMBLY FOR VENTILATION SYSTEM
Walter A. Swenberg, Long Beach, Calif.
Application March 26, 1945, Serial No. 584,993
2 Claims. (Cl. 277—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



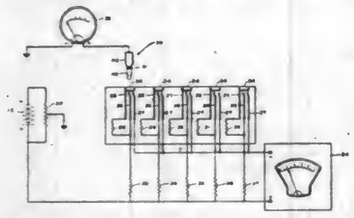
1. In combination, a ventilating duct open at one end to the atmosphere containing a bend, a pressure relief valve in the wall of said duct at the bend thereof comprising a seat ring, a resilient gasket on said seat ring, studs protruding from said seat ring, a valve plate movably engaged with said studs, yieldable means normally holding said valve plate against said gasket, an equalizer valve situated in the wall of a portion of the duct approaching the bend comprising a seat ring, a resilient gasket on said seat ring, a valve plate, studs protruding from the valve plate through said gasket seat ring and wall of the duct, and yieldable means normally holding the valve plate against the gasket.

2,452,613
METHOD OF DETERMINING EFFECT OF MOLD CONDITIONS ON METAL CASTINGS
Howard F. Taylor, Washington, D. C., and Robert E. Morey, Forest Heights, Md.
Application April 24, 1945, Serial No. 590,100
2 Claims. (Cl. 73—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



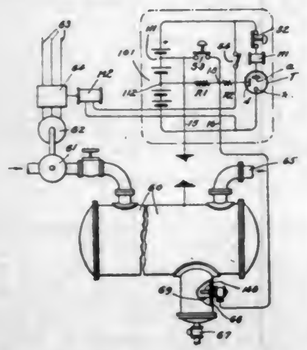
1. A method of determining the effect of mold conditions on casting, comprising embedding a metal pin in a quantity of mold material to form a composite article, heating the article to cause a reaction to take place between the metal pin and the mold material, and then opening the article to permit examination of the pin and the mold material.

2,452,614
ELECTRICAL TEST CIRCUIT
Roy J. Teetsell, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War
Application February 14, 1944, Serial No. 522,291
2 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A circuit arrangement for the comparison testing of a multi-range standard ammeter with an ammeter of undetermined accuracy comprising in combination a standard ammeter including a plurality of shunts, an ammeter under test, a source of energy, a plurality of current-limiting resistors, means for simultaneously connecting one of said shunts across said standard ammeter and connecting said source of energy with said standard ammeter in series with one of said resistors and said ammeter under test whereby both said standard ammeter and said ammeter under test are energized, each of said resistors being proportional to each corresponding shunt to limit maximum energization of said standard ammeter to values which do not appreciably exceed those corresponding to full scale deflection of the standard ammeter.

2,452,615
ELECTRIC SUPERVISORY APPARATUS
E. Craig Thomson, Boston, Mass., assignor to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application January 13, 1944, Serial No. 518,127
2 Claims. (Cl. 137—111)

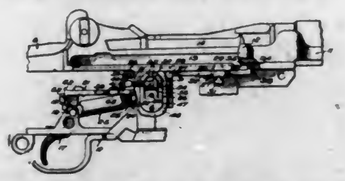


1. Battery operated electric supervisory apparatus for separating water from gasoline or the like comprising, in combination with a main container having an inlet to said container for mixed water and gasoline or the like, a water settling container connected with said main container, and a water outlet from said settling container; a cold cathode type electron discharge tube having an anode, a cathode, and a starting electrode; a battery having two end terminals and two auxiliary terminals intermediate said end terminals; a relay for closing said inlet when energized; the anode-cathode circuit of said discharge device being connected to said end terminals and including said relay; said auxiliary terminals having between them a relatively low potential, one of said auxiliary terminals being at a potential above and the other of said auxiliary terminals at a potential below the starting potential of said discharge device; a resistor connected at one end to the auxiliary terminal at less than starting potential and at the other end to said starting electrode; a probe electrode disposed in said water settling container above the height to which water may be permitted to rise in a separating operation, and connected to said starting electrode; and a connection from said auxiliary terminal at higher than starting potential to said water settling container and through said container to the water therein contained; whereby when said water touches said probe electrode, said terminal at higher than starting potential is connected to said starting electrode and said discharge tube is rendered conductive to energize said relay; said relatively low potential preventing sparking at said probe electrode when said water falls away therefrom.

2,452,616
ZIRCONIUM LAKES AND METHOD OF MAKING SAME
Eugene Wainer, Niagara Falls, N. Y., and Henry L. Van Mater, Highland Park, N. J., assignors to The Titanium Alloy Manufacturing Company, Niagara Falls, N. Y.
No Drawing. Application April 6, 1944, Serial No. 529,820
15 Claims. (Cl. 106—289)

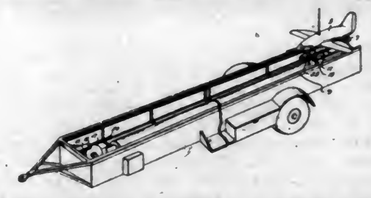
13. A method for producing a color lake comprising mixing a relatively insoluble hydrous basic zirconium compound as a substratum and a solution containing a dye having a sulphonic acid radical therein and thereafter adjusting the pH of the mixture to the neighborhood of 7, adding a surface tension reducing agent to the mix and then a water soluble zirconium salt added in successive increments until the dye is precipitated from the solution upon the substratum as a zirconium compound of the dye.

2,452,617
GAS OPERATED SHOULDER WEAPON
Joseph W. Wechsler, New York, N. Y.
Application July 23, 1945, Serial No. 606,696
10 Claims. (Cl. 89—140)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



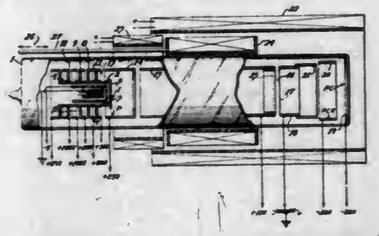
4. An automatic fire attachment for a rifle comprising a pair of slidably mounted rods, and a pivotally mounted lever connected to the adjacent ends of said rods to cause the rods to move in opposite directions, one of the rods having a portion adapted to be engaged by an operating part of the rifle to impart forward movement to said rod to thereby cause rearward movement of the other rod through said lever, and said last mentioned rod, when moved rearwardly, engaging a movable rifle part for holding the same inoperative.

2,452,618
SNUBBING DEVICE FOR CATAPULTS
David L. Weeks, Berkeley, Calif.
Application April 10, 1946, Serial No. 661,639
5 Claims. (Cl. 244—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



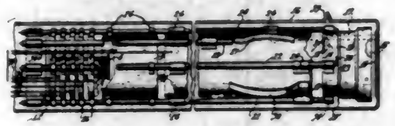
3. In a catapult apparatus including a launching car member and a track member for the car, a snubbing device comprising a fluid-filled cylinder mounted on one of said members and having a frangible seal closing an open end thereof, a piston mounted on the other of said members and having a tapered free end extending toward said seal and adapted to pierce said seal when said car member reaches a predetermined point on said track member, continued movement of said car member acting to force said piston into said cylinder, the diameter of said piston being slightly smaller than the inside diameter of the sealed end of said cylinder, whereby to force said fluid past said piston and out of said cylinder as the piston enters the cylinder, thus arresting movement of the car member.

2,452,619
CATHODE-RAY TUBE
Paul K. Weimer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 7, 1946, Serial No. 646,076
2 Claims. (Cl. 250—164)



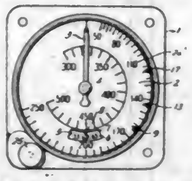
1. A cathode ray tube of the Orthicon type comprising a cathode and an anode for forming a beam of electrons, a semi-conducting target, a metal screen in front of the target, a photocathode and electric field producing means for forming a charge image on one surface of the target, field producing means for scanning electrons from said beam through said screen and over the other surface of said target to discharge said image, said screen being spaced from the target at such distance as to preclude the superimposing of screen image signals on the beam returning from the target through said screen.

2,452,620
ELECTRODE SUPPORT IN TELEVISION TUBES
Paul K. Weimer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 14, 1946, Serial No. 709,734
6 Claims. (Cl. 250—165)



1. A television tube comprising an envelope containing a cathode ray beam gun, a mount for said gun at one end of the envelope, a photocathode at the opposite end of the envelope, a target between the gun and the photocathode, a cylinder anode adapted to accelerate the photoelectrons from the photocathode to said target, a fine mesh screen across the cylinder anode adjacent one side of the target for collecting secondary electrons emitted by the target, a second cylinder anode of high resistance between the target and the gun, a fine mesh screen across the second mentioned cylinder anode adjacent the other side of the target, insulation rods secured to the gun end of said envelope supporting said mount and said cylinder anodes.

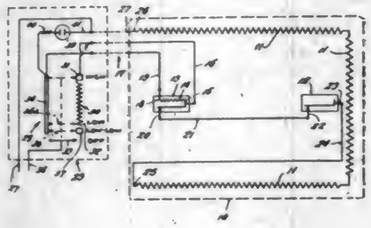
2,452,621
FLIGHT OPERATION INDICATOR
Joseph Weissenbach, Los Angeles, Calif.
Application March 29, 1946, Serial No. 658,190
4 Claims. (Cl. 73—178)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. In an airspeed indicator having a dial with airspeed graduations and a cooperating pointer adapted to indicate the instant value of airspeed, auxiliary indicators respectively movable over zones of the airspeed dial graduations such that coincidence of the pointer with the respective auxiliary indicators indicates that the instant airspeed corresponds to the desired airspeed for a selected flight performance condition, a gross weight indicating means settable for indicating the gross weight of the aircraft, gearing interconnecting the auxiliary indicators and the gross weight indicating means such that the settings of the auxiliary indicators bear a functional relation to the setting of the gross weight indicating means, and manual means for actuating the gearing.

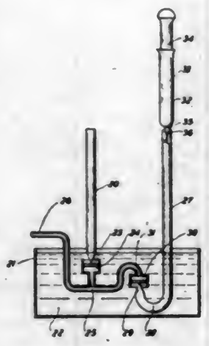
2,452,622
HEATING PAD
Joseph Youhouse, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application May 10, 1946, Serial No. 668,802
15 Claims. (Cl. 219—46)

1. In a heating device, a thermostatic switch; a heater for the thermostatic switch; a resistor, said heater and resistor at one point each having a common connection; a pair of current supply wires; means for selectively connecting one of the current supply wires either solely to another point on the heater, or to the said other point on the heater and simultaneously to another point on



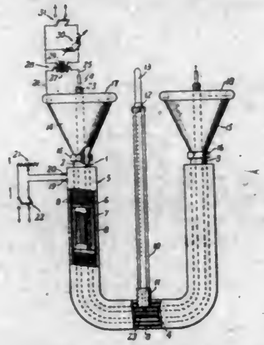
the resistor, or to the said common connection of the resistor and heater; and electric heating means connected with the said common connection of the resistor and heater and with the other current supply wire, the said thermostatic switch controlling the circuit of the said heating means.

2,452,623
APPARATUS FOR TRANSFER OF LIGHT LIQUID
William S. Young, Philadelphia, Pa., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application January 19, 1946, Serial No. 642,376
12 Claims. (Cl. 137—78)



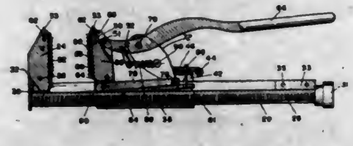
1. In apparatus for transferring a light liquid, the combination which comprises a conduit, a container, a pool of heavy liquid that is substantially immiscible with the light liquid disposed in the container, a porous member communicating with the conduit and covered by the pool, the member being pervious to the light liquid but impervious to the heavy liquid, a second container for the light liquid to be transferred consisting of a tube of small bore having an open end for contacting the portion of the porous member covered by the pool, and means for producing a pressure differential between the second container and the conduit to induce flow of the light liquid from the second container to the conduit through the tube and the porous member when the latter two are in contact with each other.

2,452,624
APPARATUS FOR TESTING INSULATION OF ELECTRICAL CABLES
Karl H. Zimmermann, Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 11, 1945, Serial No. 598,688
1 Claim. (Cl. 175—183)



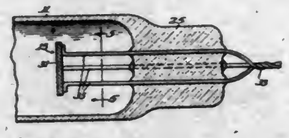
In test apparatus of the character described, the combination of, a substantially U-shaped tube having legs adapted to be positioned upright with openings at the upper ends of its legs whereby an insulated conductor may be passed through the tube, a pair of end-bells attached to said upper ends and flaring outwardly therefrom, a heater jacket formed by an electric heater covered by heat-insulating material and substantially enclosing said tube whereby its temperature may be controlled, a tube parallel to said legs and open at its lower end to the central portion of said tube thereby to provide a thermometer-well, and means to impress a test potential between the tube and a conductor placed therein whereby the insulation on the conductor is tested.

2,452,625
SCREW AND TOGGLE ADJUSTED WRENCH AND CLAMP
Henry Alpers, Columbus, Nebr.
Application October 25, 1945, Serial No. 624,420
2 Claims. (Cl. 81—84)



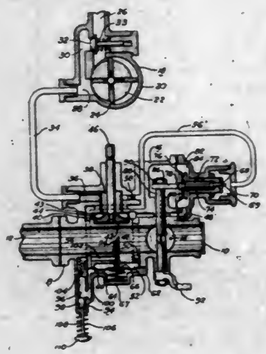
1. A device of the character described, comprising a shank which is U-shaped in cross-section having opposed jaw receiving portions, a fixed jaw secured intermediate of and to said jaw portions, a member slidably mounted on said shank, a movable jaw pivoted to said member, a hand lever pivoted at one end to said movable jaw, supporting arms intermediate the sides of said slidable member, means carried by said arms for pivotally supporting said hand lever intermediately of said arms, a screw mounted in said shank and clutch means pivotally mounted on said supporting arms adapted to co-act with said screw to lock said movable jaw in fixed position with relation to said fixed jaw said clutch means comprising a block member pivoted at one end to said movable jaw and at the other end to said supporting arms and a plate member secured to the undersurface of said block member having screw threads therein to coact with said screw.

2,452,626
ELECTRON EMITTER
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application March 3, 1945, Serial No. 580,818
1 Claim. (Cl. 176—126)



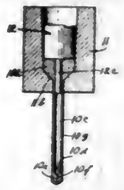
A gaseous conduction device comprising a sealed envelope of glass containing a gas, an electron emitting member comprising columbium, and means for supporting said member on and in said envelope comprising a length of beryllium wire electrically and mechanically secured to said member within said envelope, said wire extending outwardly of the envelope and being sealed to the envelope and thereby supported thereon.

2,452,627
FUEL SUPPLY SYSTEM
Frederik Barfod and Emil O. Wirth, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 6, 1946, Serial No. 674,868
13 Claims. (Cl. 123—119)



1. In a fuel supply system for an engine, a conduit having a discharge nozzle for delivering fuel to the engine, a means driven by said engine for varying the pressure of the fuel in said conduit in accordance with engine speed, a restriction in said conduit posterior to said first mentioned means for metering the fuel delivered to said engine, and a means communicating with the inlet and outlet sides of the first mentioned means for controlling the metering head across said restriction, said last mentioned means being regulated in accordance with throttle position.

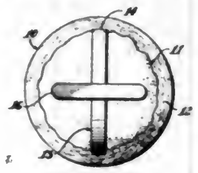
2,452,628
METHOD OF MAKING HOLLOW POPPET VALVES
Kenneth M. Bartlett and Edward G. Pekarek, Cleveland, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 25, 1944, Serial No. 551,179
2 Claims. (Cl. 29—156.7)



1. The method of making bodies for hollow poppet valves from thick-walled seamless tubing having an outside diameter less than the diameter desired for the finished valve head and an inside diameter greater than the desired diameter for stem cavity of the finished valve stem which comprises inserting a relatively short length of said tubing into a tapered die having a tapered extrusion throat converging to a circular hole of valve stem diameter, inserting a short mandrel into said tube to terminate intermediate the ends of the tube, centering the mandrel in the tube in spaced relation from the interior tube wall, pressing an end face of the tube without deforming the contour of said end face to force the opposite end through said extrusion throat and to collapse the tube into conformity with the tapered die wall, simultaneously collapsing said opposite end of the tube in advance of the mandrel to form a solid leading end on the tube, extruding a portion of the collapsed tube through said hole to form a solid valve stem end portion, aligning the leading end of the mandrel in the central portion of said circular hole, continuing the extruding operation around said mandrel to form a hollow valve stem of desired length, terminating the extruding operation before the pressed end portion of the tube has been forced through the extrusion throat to leave a head of appreciable mass on the tube and having a neck portion conforming to the shape of the extrusion throat, removing the mandrel from the resulting blank, removing the blank from the die, seating the head of the blank in a coining die having a die cavity of desired valve head and neck contour, inserting another mandrel into the head end of the blank, and coining the head end of the blank around said second mandrel to increase the diameter of the head of the blank and to form the head into the desired valve head shape without deforming the original contour of the end face of the tube.

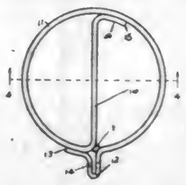
2,452,629
CAKE PROTECTING DEVICE
Joseph J. Bonekamp, Cincinnati, Ohio
Application June 24, 1946, Serial No. 678,747
1 Claim. (Cl. 99—171)

A protective device for bakery products having a soft upper surface comprising a pair of strips of cardboard pivotally joined together adjacent their central points to permit adjustment of said strips at right angles to one another with their flat surfaces contacting about the pivot, one of said strips being longer than the other, the longer of said strips being adapted to be bent to a bowed configuration to permit the ends thereof to be inserted into the upper surface of the bakery products while the main body of said longer strip



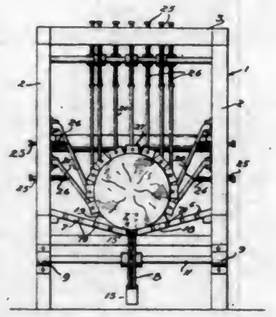
and the entire length of the shorter strip are out of contact with said upper surface.

2,452,630
TUBULAR FENCE POST CONSTRUCTION
Walter L. Burritt, Omaha, Nebr.
Application March 29, 1944, Serial No. 528,532
6 Claims. (Cl. 189—23)



1. A sheet-metal post formed of a single sheet of metal rolled into a configuration having a generally tubular portion and a bracing portion, said sheet being elongated and one longitudinal edge of said sheet being disposed overlapping the outer side of said tubular portion, the other longitudinal edge of said sheet being disposed against the inner side of said tubular portion, a longitudinal section of said tubular portion being folded longitudinally so that the two parts of said longitudinal section are disposed in approximate parallelism with respect to each other, said two parts having spaced apertures therethrough, the apertures of one of said parts being in alignment with the apertures in the other of said parts.

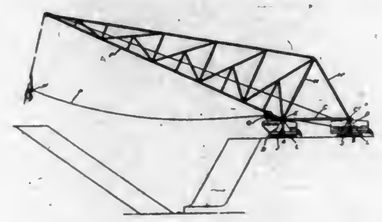
2,452,631
SELF-ADJUSTING WOOD PEELER
Curtice B. Cameron, Laurel, Miss.
Application May 4, 1946, Serial No. 667,326
3 Claims. (Cl. 144—208)



1. A self-adjusting log peeler including a supporting frame, a V-shaped slotted trough mount-

ed longitudinally thereof and having longitudinally slotted opposite sides, an endless conveyor disposed between the opposite sides at the apex of said trough, means on said conveyor for engaging the log to move the same longitudinally of said trough, an undercutter plate disposed transversely of the trough adjacent its apex for removing the bark from the lower portion of a log as it is moved longitudinally along the trough, a plurality of cutter elements supported by arms pivoted on said frame, said cutter elements engaging the opposite sides and top of the log to cut the bark therefrom, and means mounted between said arms and frame to resiliently bias said cutter elements towards said log.

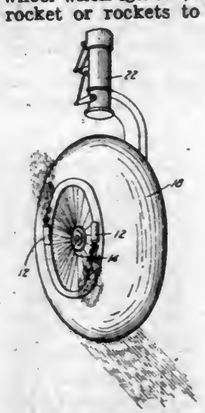
2,452,632
EXCAVATING MACHINE
Colin McLeod Cameron, Ipswich, England, assignor to Ransomes & Rapier Limited, Ipswich, England, a company of Great Britain
Application July 24, 1945, Serial No. 606,827
In Great Britain April 13, 1944
5 Claims. (Cl. 37—116)



1. An excavating machine of the drag-line type provided with a drag-line bucket and comprising in combination two separate base structures each adapted to rest on the ground and situated one in front of the other and spaced apart in the longitudinal direction of the machine each of these structures comprising a base member, a centre post, a circular roller path on the base member and an upper frame rotatable about the centre post on this path on the base, a boom having its heel connected to the upper part of the front base structure, an A frame erected on the said two base structures with the forward end of the horizontal member of this frame connected to the said front base structure, a connection including a universal joint between the rear end of the horizontal member of the said A frame and the top of the upper frame of the said rear base structure, a connection between the boom and the apex of the said A frame, means for individually moving each base structure over the ground, and mechanism disposed on the said rear base structure for controlling the operation of the drag-line bucket.

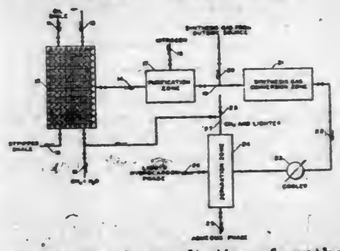
2,452,633
MEANS FOR CAUSING PREROTATION OF AIRCRAFT WHEELS
John R. Cautley, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 17, 1945, Serial No. 578,511
7 Claims. (Cl. 244—103)

1. Aircraft wheel pre-rotation means comprising one or more rockets secured to the wheel at a distance from its axis of rotation and so constructed and directed as to develop a propulsive force on said wheel when ignited, and means for igniting said rocket or rockets to develop such



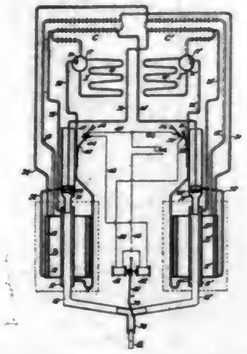
propulsive force for rotating said wheel prior to landing the aircraft.

2,452,634
FISCHER-TROPSCH SYNTHESIS GAS FROM OIL SHALE
Alfred Clark, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 25, 1947, Serial No. 770,534
10 Claims. (Cl. 260—449.6)



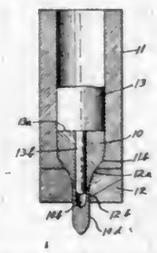
1. A process for the production of synthesis gas which comprises introducing simultaneously particles of oil shale of a size not exceeding about 2 mesh and an oxygen-containing gas into the upper portion of a reaction zone; maintaining a temperature in said upper portion of said reaction zone in the range of about 1500 to 3000° F.; maintaining a pressure in said reaction zone in the range of about atmospheric and about 500 pounds per square inch; maintaining the ratio of oil shale to oxygen in said oxygen-containing gas such that the carbonaceous material in the oil shale will be substantially completely converted to carbon monoxide and hydrogen, passing the resulting hot spent shale to the lower portion of said reaction zone; maintaining the temperature in said lower portion of said reaction zone in the range between about 1600 and 2000° F.; introducing a mixture comprising methane and water into the lower portion of said reaction zone, causing said mixture to pass upwardly through said lower portion of said reaction zone and countercurrently to said hot spent shale whereby said methane-water mixture is converted to synthesis gas, withdrawing from an intermediate portion of said reaction zone synthesis gas resulting from the reactions in both the upper and lower portions of said reaction zone, and removing the spent shale from the reaction zone.

2,452,635
ABSORPTION REFRIGERATING SYSTEM
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 27, 1943, Serial No. 503,866
14 Claims. (Cl. 62—5)



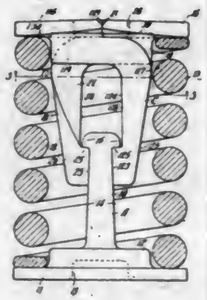
1. That method of producing refrigeration utilizing absorber-generators operating alternately on the absorbing and generating phases, which includes the steps of quickly cooling the absorber-generators at the ends of their generating phases with refrigerant evolved from the generator-absorbers to be cooled and subsequently continuing cooling of the absorber-generator operating on the absorbing phase with refrigerant evolved in the associated absorber-generator.

2,452,636
METHOD OF MAKING HOLLOW VALVES
John E. Cunningham and Robert A. Kempe, Cleveland, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 2, 1944, Serial No. 552,394
2 Claims. (Cl. 29—156.7)



2. The method of making bodies for hollow poppet valves from a solid cylindrical metal billet having a diameter intermediate the stem and head diameter of the valve which comprises piercing the central portion of one end face of the solid billet to a depth inwardly from said one end face, simultaneously extruding the opposite face of the billet at a much slower rate than the rate of piercing for positioning the piercing tool in the path of the extruding metal, terminating the piercing operation before the piercing tool penetrates the extruding end of the billet, continuing the extruding operation alone to extrude a portion of the billet only to valve stem diameter size while said piercing tool prevents the extruding metal from collapsing to maintain the pierced hole in the extruded valve stem, terminating the extruding operation materially short of said one end face of the billet without substantially deforming said end face to maintain an end on the extruded member having the same diameter as the original billet and said end having an average axial depth not appreciably less than the radial thickness thereof, coining the non-extruded end of the billet between coining surfaces which shape said end into valve head size and shape to provide a valve head with an opening bounded by an upstanding rim wall having an end face terminating in the original end face of said one end of the billet.

2,452,637
FRICTION SHOCK ABSORBER
George E. Dath, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application February 8, 1944, Serial No. 521,548
7 Claims. (Cl. 267—9)



1. In a friction shock absorber, the combination with a friction post; of tiltable friction shoes embracing said post at opposite sides, each shoe comprising a friction plate section having a base portion extending laterally therefrom, the base portions of said shoes comprising counterpart plate sections, said counterpart plate sections being in edge to edge engagement at their inner sides, said counterpart plate sections having crowned inner surfaces and being fulcrumed at their inner side edges, said shoes and post being slidable lengthwise with respect to each other; and a spring opposing relative movement of the shoes and post, said spring bearing on the crowns of said counterpart plate portions of the base portions of said shoes to resist tilting movement of the latter.

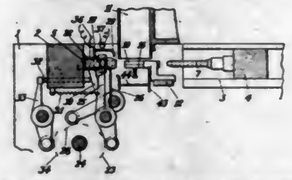
2,452,638
PACKAGE EXTRACTOR
Harry S. Drum and William C. Dodson, Abington, and William H. Jaxheimer, Philadelphia, Pa., assignors to Smith, Drum & Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 7, 1945, Serial No. 576,668
7 Claims. (Cl. 34—58)

1. An extractor for yarn packages wound on tubes comprising a rotatable plate, a plurality of individual yarn package receptacles having perforations in the side thereof, means to attach each receptacle to said plate and spindles adapted to telescopically receive the respective tubes of said packages, said spindles respectively rising axially from the bottoms of said receptacles



for telescopic mounting of said yarn packages respectively.

2,452,639
MACHINE FOR PRODUCING A VENT IN CARTRIDGE CASES
Gunnar Ekström, Stockholm, and Gustaf Örström, Alsten, Sweden, assignors to Arenco Aktiebolag, Stockholm, Sweden, a Swedish joint-stock company
Application September 21, 1944, Serial No. 555,102
In Sweden December 7, 1942
12 Claims. (Cl. 164—88)



1. In a machine for producing a vent in the bottom of metallic cartridge-cases, the combination with two punching tools adapted to open and close relatively to one another, of a sleeve for exteriorly guiding a cartridge-case, mounted on one of said tools, into proper position relatively to the second of said tools when closing, said first-mentioned tool being capable of entering a cartridge-case into contact with the bottom thereof.

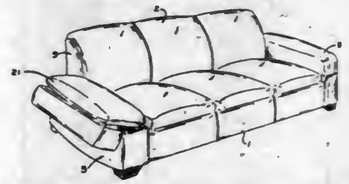
2,452,640
ROOF AND WALL STRUCTURE
Armin Elmendorf, Winnetka, Ill.
Application May 1, 1946, Serial No. 666,300
4 Claims. (Cl. 108—1)

1. A wall or roof structure including two panels placed edge to edge, each panel having on one side a sheathing, the sheathings on both panels being extended in the form of flanges into the joint between the panels, the meeting edges of the panels being shaped to create a tunnel into which th flanges project, a separate trough extending lengthwise through the tunnel with said flanges extending into the same, the trough being of such a width that free space is left in the trough beside the flange, the panels being further shaped at said edges to produce on the second side thereof, a wide, deep, open groove following the joint, a strip in said groove, and fastenings passing through said strip into both panels.

2,452,641
IODIZED SALT COMPOSITION
William H. Engels, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application March 23, 1946, Serial No. 656,786
6 Claims. (Cl. 99—143)

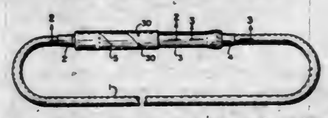
1. An iodized salt composition, stabilized against iodine loss on storage, comprising common salt, an inorganic iodide, and activated carbon.

2,452,642
FOLDING ARM DAVENPORT
Albert L. Ewing, Continental, Ohio
Application April 2, 1947, Serial No. 738,846
5 Claims. (Cl. 155—113)



1. In a davenport having a substantially horizontal seat portion, a folding arm comprising, in combination, a hollow stationary arm frame erected adjacent the end of said seat portion and having its upper open end approximately on the plane of the seat portion, a hollow folding arm frame having an open bottom and hinged to the upper end of said stationary frame along their outer horizontal joining edges, and a pair of support plates adapted to be concealed within said arm frames, each of said plates being pivotally connected to one of said arm frames between the ends thereof and adjacent the inner horizontal joining edges of said frames, said plates being pivotally linked to each other along their other edges parallel to the inner and outer edges of said arm frames, said support plates serving to limit outward swinging movement of said folding arm frame and to support a pillow at an incline to the end of said seat portion, when said arm is unfolded.

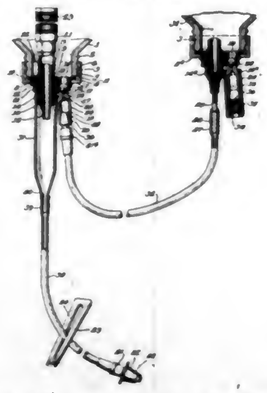
2,452,643
DISPOSABLE VENOCLYSIS SET
Mack R. Fields, Chicago, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application May 23, 1946, Serial No. 671,736
5 Claims. (Cl. 128—214)



2. A venoclysis set comprising a length of flexible resilient tubing, an adapter tube of flexible resilient material having a larger internal diameter than said length of tubing, and a needle

adapter, said adapter tube and said needel adapter being secured respectively to the opposite ends of said length of tubing, said needle adapter having a stem portion inserted into one end of said length of tubing and a portion projecting from said tubing, and a tubular connector interconnecting said adapter tube and said length of tubing, said connector having a stem portion seated tightly in the other end of said length of tubing and a portion projecting from said last mentioned tubing end, said projecting portion of said connector having an external diameter which is larger than the internal diameter of said adapter tube and being inserted into said adapter tube with the latter stretched around and resiliently gripping said projecting portion of said connector.

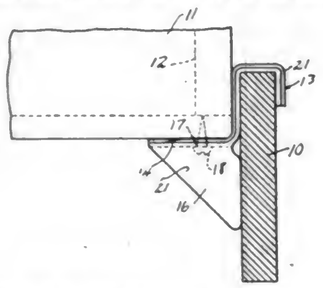
2,452,644
APPARATUS FOR INTRAVENOUS ADMINISTRATION OF LIQUIDS
Mack R. Fields, Chicago, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application October 5, 1946, Serial No. 701,519
8 Claims. (Cl. 128—214)



1. Apparatus for intravenous administration of liquids, comprising a length of flexible tubing, a fitting on one end of said tubing for detachable connection to a needle, a bottle cap provided with means for detachably connecting the cap to a bottle, an outwardly projecting outlet nozzle for discharging liquid from a bottle to which the cap may be attached, and with an inlet passageway for permitting fluid to enter said bottle, and an apertured fitting carried by said cap in communication with said inlet passageway, said apertured fitting being a tubular member having an end portion seated in said inlet passageway, a check valve structure in the opening of said tubular member for preventing discharge of fluid from said bottle through said inlet opening, and outer and inner surfaces on its other end portion respectively adapted to detachably receive an air filter and a tube end fitting substantially as described.

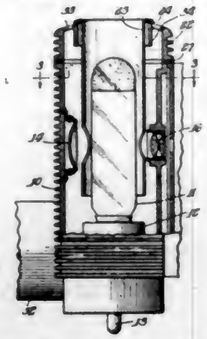
2,452,645
BED SPRING SUPPORT
Maurice S. Firsel, Birmingham, Ala.
Application December 7, 1946, Serial No. 714,687
3 Claims. (Cl. 5—207)

1. Means for supporting a bed spring from a bedstead rail comprising a unitary support made from a single piece of metal plate and comprising a hook portion for engaging the bedstead rail, a horizontal shelf portion for receiving the side frame of the spring, braces turned downwardly from the shelf portion for engaging the side of the



bedstead rail, and a reinforcing rib formed on the support and extending midway thereof substantially from the tip of the hook portion to the end of the shelf portion.

2,452,646
LAMP HOUSING FOR FILM PROJECTORS
Leo Frankel, Chicago, Ill.
Application May 29, 1944, Serial No. 537,782
5 Claims. (Cl. 88—24)

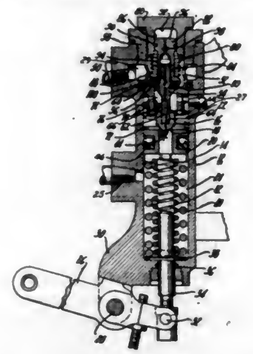


1. In a projector, a lamp housing including an apertured housing cap, low heat conductivity material between said housing and cap, a lamp disposed vertically in the housing, a casing suspended from the cap and surrounding the lamp, and means for forcing air through said housing and out through said cap, a portion of such air passing between the lamp and such casing.

2,452,647
CONTROL VALVE
Charles V. Gagen, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 25, 1944, Serial No. 565,068
6 Claims. (Cl. 303—54)

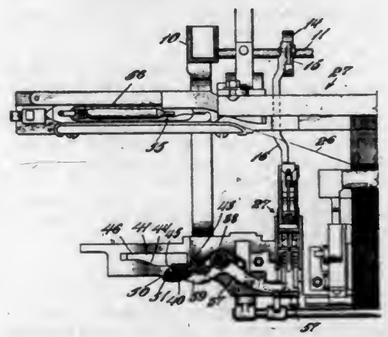
1. In a control valve for a fluid pressure system, said valve having an inlet port adapted to be connected to a source of pressure, an exhaust port adapted to be connected to a reservoir, an outlet port adapted to be connected to a controlled motor, and exhaust valve means controlling communication between the outlet port and the exhaust port; an inlet valve construction for controlling communication between the inlet port and the outlet port comprising a valve element cutting off such communication when seated and held

on its seat by the pressure of the aforesaid pressure source, and a piston member connected to said valve element and having two opposed pressure responsive surfaces, the first of which is subjected to the pressure prevailing in the pressure source to assist in moving the valve element from its seat, and the second of which is subjected to the pressure prevailing in the motor to gradually counteract the effect of the pressure acting on



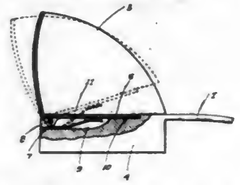
said first piston surface as the pressure in the motor increases, said piston member and valve element being provided with a passage extending therethrough to permit communication of the motor side of the inlet valve with said second piston surface, said passage having a cross-sectional area arranged to restrict the flow of fluid therethrough in order that pressure increases occurring in the motor will not be immediately effective in urging the valve element toward its seat.

2,452,648
CONTROL FOR STOPPING LOOMS
Joseph M. Godreau, Moosup, Conn.
Application November 21, 1946, Serial No. 711,389
8 Claims. (Cl. 139—377)



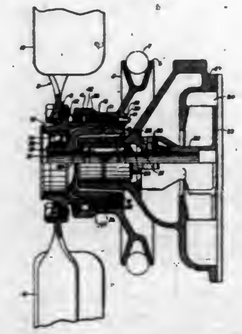
1. In a loom, a shipper lever, a spring to move the lever in one direction, a shipper lock comprising, a body having a slot in which said lever is movable with an offset notch to receive said lever and providing a shoulder to engage said lever to lock the lever in operating position against the action of said spring, means to move said lever out of said notch upon failure of the filling and means to catch the shipper lever when moved from said shoulder and delay its movement by said spring.

2,452,649
SLIPPER
Charles H. Graves, Stockton, Calif.
Application November 30, 1946, Serial No. 713,366
1 Claim. (Cl. 36—2.5)



In footwear which includes a sole having a forward and a rear portion, an initially separate, forwardly opening counter unit disposed above the rear portion of the sole, and means hinging the counter unit for rocking motion between a rearwardly tilted position and a forward upstanding position; the counter unit including a bottom heel plate and the hinge being in a plane below the top of the sole, the latter being recessed to receive said heel plate.

2,452,650
SPEED CLUTCH REGULATION OF FAN AND PUMP FOR COOLING SYSTEMS
Harry R. Greenlee, Indianapolis, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application August 6, 1945, Serial No. 609,271
4 Claims. (Cl. 123—175)



4. In a fluid circulatory system for an internal combustion engine or the like having a pump chamber, the combination of a driving means comprising a pair of coaxially extending sleeve portions, a shaft fixed at one end to said driving means for rotation therewith and having a pump at its other end adapted to be disposed in said pump chamber, driven means having a sleeve extending coaxially of and between the pair of sleeves of said driving means, said sleeve of said driven means and one of the pair of sleeves of said driving means having clutch surfaces arranged in spaced apart and overlapping relation, a fan drivingly connected to said driven means, bearing means between said driving and driven means for rotatably supporting the latter for rotation upon said driving means, a coil spring clutch disposed between the clutch surfaces of said driving and driven means and being fixed at one end to said driving means for rotation therewith, said coil at its other end being pre-stressed to normally engage the clutch surface of said driven means to clutch said driving and driven means together for

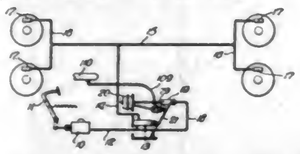
conjoint rotation, and said other end of said coil being adapted to be disengaged from the clutch surface of said driven means by centrifugal force upon a predetermined speed of rotation of said driving means.

2,452,651

HYDRAULIC PRESSURE BOOSTING MEANS FOR BRAKING SYSTEMS

Ralph R. Gunderson, Chicago, Ill.

Application April 21, 1944, Serial No. 532,131
9 Claims. (Cl. 60—54.5)



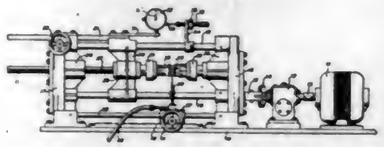
1. In a braking system of the character described, a master cylinder and means for displacing brake fluid from said cylinder under pressure, wheel cylinders, a hydraulic power unit connected to said wheel cylinders, a lever for operating said unit, a booster motor having power operating connection with said lever, and means on said lever for rendering said motor operative and inoperative comprising means subject to pressure of brake fluid displaced from said master cylinder and acting in opposition to the power exerted by said motor on the lever.

2,452,652

GLASS SEALING METHOD AND MACHINE

Rolf K. Hansen, Bloomingdale, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 1, 1944, Serial No. 547,638
7 Claims. (Cl. 49—1)



1. An external measuring device for determining the internal space relation between parallel metallic electrodes adapted to be sealed into an enclosing vessel formed of separate parts containing said electrodes individually, comprising opposed rotatable supporting means for the separate parts of said vessel, spindle means extending beyond said supporting means and adapted to abut against said parallel metallic electrodes, means for slidably moving one of said supporting means with respect to the other, an arm parallel to said slidable supporting means and movable therewith, an indicator carried by said arm, and a stop member opposite said indicator in relation to said other supporting means.

5. The method of accurately gauging the space relation between internal electrode surfaces supported in separate sections of a vessel adapted to be splice-sealed between said surfaces in a glass sealing lathe having opposed rotatable chucks including projecting spindles and a gauge indicator carried by one of said chucks comprises, inserting a hand gauge between the spindles to record an identical measurement on said indicator, removing the hand gauge and securing said sections in the chucks with the electrodes seated on the ends of said spindles, advancing said sections together in abutting splice relation, said electrode surfaces being spaced apart within said sections, heating the splice to a plastic state, moving one of said chucks in an axial direction until the previously recorded measurement appears on said indicator, and fusing the splice while maintaining said indicator at the recorded measurement.

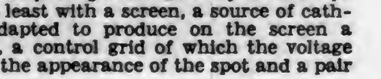
2,452,653

2-ALKYLIDENE-3-KETO-4-ACYLAMIDO-TETRAHYDROTHIOPHENE

Stanton A. Harris, Westfield, and Karl Folkers, Plainfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application September 16, 1944, Serial No. 554,452
20 Claims. (Cl. 260—329)

2. A compound represented by the formula:



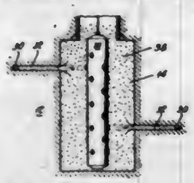
wherein R is an acyl group, R' is an alkyl radical, and *n* is a small integer.

2,452,654

METHOD OF GRAVELING WELLS

Everett P. Hayes and Allen D. Garrison, Houston, Tex., assignors to Texaco Development Corporation, New York, N. Y., a corporation of Delaware

Application June 9, 1944, Serial No. 539,486
5 Claims. (Cl. 166—26)



5. The method of graveling a well having a well cavity in a producing formation which comprises lowering into said cavity a device of the gun-perforator type, filling the space around said device with granular material, shooting bullets from said device through the surrounding granular material into the walls of the producing formation whereby some of the granular material is drawn into the tubular passages formed in the formation back of said bullets, replacing said device with a well screen, and placing sufficient additional granular material in said cavity to fill the space around said screen.

2,452,655

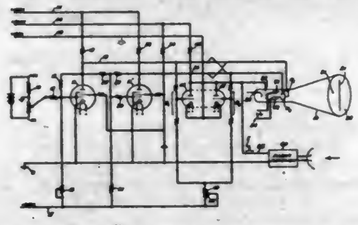
CATHODE-RAY OSCILLOSCOPE CIRCUIT

George Hecht, Astoria, N. Y., and Larned A. Meacham, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 25, 1947, Serial No. 743,980
5 Claims. (Cl. 315—22)

1. A cathode-ray oscilloscope circuit responsive to a source of voltage varying in each direction from zero, comprising a cathode-ray oscilloscope provided at least with a screen, a source of cathode-rays adapted to produce on the screen a bright spot, a control grid of which the voltage determines the appearance of the spot and a pair

of horizontal deflecting plates, a phase inverter circuit controlled by the varying voltage to apply to the plates separately voltages varying in proportion to the varying voltage equally and oppositely from a normal value, means for applying



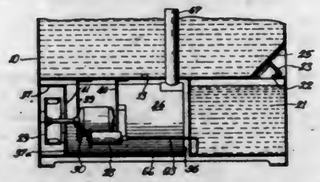
to the control grid a voltage normally adequate to insure the appearance of the spot and means controlled by the inverter circuit to reduce the control grid voltage when either of the plate voltages departs positively by a prescribed amount from the normal value.

2,452,656

PORTABLE LIQUID HEATER

Harry B. Holthouse, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois

Application July 17, 1943, Serial No. 495,152
1 Claim. (Cl. 126—350)



A self-contained portable liquid heater comprising a container provided with a liquid chamber, a partition wall extending between the side walls of said container to act as the bottom wall of said liquid chamber and to define a compartment beneath said wall, a heating unit disposed in said compartment and provided with means defining a combustion chamber having a tubular outer wall, a fuel reservoir disposed in said compartment, said heating unit including means in said compartment for delivering fuel from said reservoir and air for combustion to said combustion chamber, a jacket enclosing said tubular wall to define therewith a sealed liquid heating chamber, inlet and outlet conduits extending through said partition wall, said conduits having open ends communicating with said liquid chamber and opposite open ends communicating with said liquid heating chamber, a partition wall extending through said liquid heating chamber between said opposite ends of said conduits to provide for circulation of the liquid from said inlet conduit through said heating chamber to said outlet conduit, and staggered heat radiating fins alternately extending inwardly from opposite ends of said heating chamber to cause the liquid circulating through said heating chamber to follow a sinuous path.

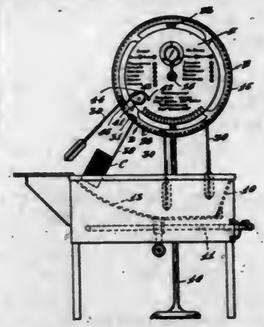
2,452,657

FOOD PROCESSING APPARATUS

Hubert A. Hooper, Brantford, Ontario, Canada

Application April 23, 1945, Serial No. 589,845
8 Claims. (Cl. 99—343)

1. Food processing apparatus used in combination with a container carrying a processing medium, comprising a rotary member disposed substantially in a vertical plane, circumferentially spaced apart means on said rotary member for detachably carrying a shank designed for moving a food carrier, a graduated scale in connection with said rotary member coinciding with a lower arc of the latter and indicating interval cooking periods for various foods, said shank carrying



means, on the rotary member, moving arcuately past said scale, said shank being connected by an operator with said shank carrying means of the rotary member opposite to the graduation of the scale corresponding to the processing period required for the particular food to be processed, said rotary member lifting the food carrier from the processing medium when said shank receiving means moves beyond the end of said scale.

2,452,658

MUSICAL INSTRUMENT

Hal Horne, New York, N. Y.

Application December 12, 1944, Serial No. 567,834
5 Claims. (Cl. 46—178)



1. A musical instrument which comprises a casing which has an inlet opening, the wall of said casing comprising a plurality of assembled shells, said wall being vibrant, a blade spring removably located at said inlet opening, said spring having external legs which are external to the interior space of said casing, said spring having internal legs which are located in said interior space, said spring having transverse legs which obstruct a part of said inlet opening, said external legs resiliently biasing said shells against each other, said shells being separable from each other, said blade spring being the sole means to hold said shells in assembled relation.

2,452,659

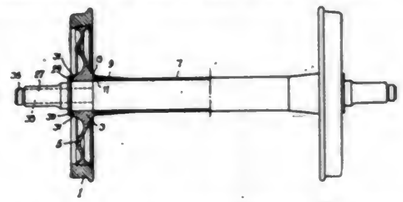
CAR WHEEL ASSEMBLY

Kristoffer Andreas Huldt, Stockholm, Sweden

Application August 20, 1943, Serial No. 499,418
In Sweden June 26, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 26, 1962
6 Claims. (Cl. 295—36)

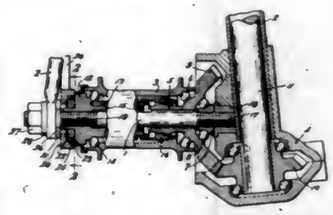
2. In a car wheel assembly, a hollow axle of uniform wall thickness, a conical sleeve fitted upon

an end of the axle and welded thereto, the outer diameter of the sleeve increasing towards the end of the axle, a wheel hub having an inner diameter substantially equal to the inner diameter of said axle, and weld metal forming a butt connection of the inner side surface of the wheel



hub to the adjacent end surfaces of the axle and sleeve, the maximum diameter end of the sleeve being approximately equal to the diameter of the hub at its inner surface and the weld metal forming a smoothly tapering connection of the hub to the sleeve.

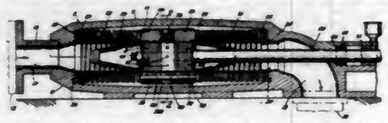
2,452,660
CONE BEARING ADJUSTMENT FOR GEAR-DRIVEN COASTER BRAKE
Chester L. Hussey, Belchertown, Mass., assignor to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware
Application October 8, 1945, Serial No. 621,097
2 Claims. (Cl. 192—6)



1. In a coaster brake for bicycles of the gear drive type wherein the axle is stationary in the frame, and the wheel hub assembly comprises a driver sleeve with inner and outer ball bearings and a drive end cone member on the axle, together with a combined brake anchor cone member for a ball bearing at the brake end of said hub, together with an anchor arm secured to the frame to hold said brake anchor and cone member against rotation, the combination therewith of means rigidly fixing the drive end cone member to the axle, said brake anchor and cone member being threaded on said axle for rotatable adjustment thereon in adjusting the bearings between said cone members, and means for locking the rotatable adjustment of said brake anchor and cone member in a wide variety of angular increments within 360° of arc comprising a repositioning member carried by said brake anchor and cone member and multiple detent interlocking means between said repositioning member and anchor arm.

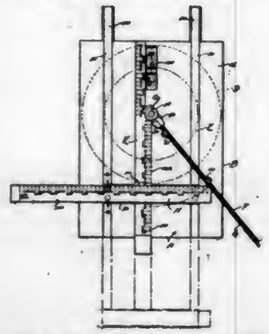
2,452,661
HOMOGENIZER
Aldon M. Kinney and Andrew N. Jergens, Cincinnati, Ohio
Application January 12, 1944, Serial No. 517,930
16 Claims. (Cl. 259—4)

1. In an homogenizer the combination of a plurality of spaced compressor elements, means for



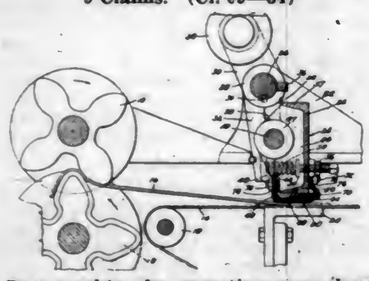
forcing material between the elements, and means for mutually reciprocating said elements.

2,452,662
TRIGONOMETRIC CALCULATOR
Anthony B. King, Brooklyn, N. Y.
Application December 11, 1943, Serial No. 513,942
12 Claims. (Cl. 33—97)



8. A calculating device for determining triangles, consisting of a bearing, a shaft thereon, a sleeve on the shaft, a protractor mounted on the sleeve to turn therewith, a sleeve mounted on the first sleeve, a protractor mounted on the second sleeve to turn therewith, scales arranged in cross wise relation to each other for cross-wise sliding relation, one of said scales also having a sliding movement parallel to the movement of the other scale, and arms connected with the sleeves and mounted to turn in a common horizontal plane over the scales as an indicator of delineations thereon, one of the scales having its reading edge disposed across the center of the protractors, and one of the protractors being smaller than the other protractor.

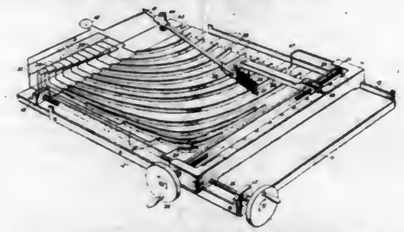
2,452,663
MACHINE WITH RESILIENT WORK HOLDING CLAMP
Cutler D. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 27, 1947, Serial No. 776,547
9 Claims. (Cl. 69—34)



1. In a machine for operating upon sheet material such as hides, skins, and leather, work

treating and tensioning means, means for supporting a work piece for presentation of the latter to the work treating and tensioning means, and a work clamping device arranged to press said work piece against said supporting means, said device including a base part with a smooth surface and a work engaging part of wedge-like cross section, said work engaging part being arranged to slide on said smooth surface and wedge between the work piece and said surface.

2,452,664
INTERPOLATING POTENTIAL DIVIDER AND COMPUTER
Walter Koenig, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1943, Serial No. 506,933
24 Claims. (Cl. 235—61.5)



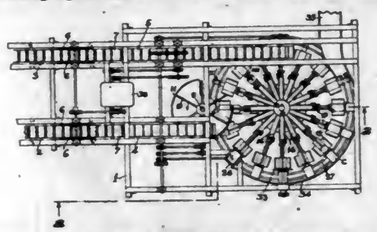
1. In a potential divider, a sequence of spaced conductive strips, means for applying to said strips electrical potentials proportional to the sequential relation of said strips, a contactor adapted to engage a minimum of any two adjacent ones of said strips and to interpose a resistive instrumentality having a potential dividing tap terminal between the points of contact with said strips, means for producing relative movement between said conductive strips and said contactor along and transversely of said strips, and means for indicating the electrical potential of said tap terminal.

2,452,665
PROCESS FOR THE SEPARATION OF METALS
William J. Kroll and Frederick E. Bacon, Niagara Falls, N. Y., assignors to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application March 31, 1944, Serial No. 528,955
10 Claims. (Cl. 75—63)

3. In a method of reacting a solid metal alloy with a molten chloride of a metal having a substantially lesser affinity for chlorine than at least one ingredient of said alloy, the improvement which comprises contacting said alloy in a finely comminuted form with a molten mixture of said chloride with at least one chloride selected from the group consisting of the alkali metal chlorides and the alkaline earth metal chlorides.

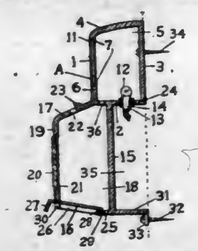
2,452,666
FISH CANNING MACHINE
Max K. Kuther, Monterey, and James Leonard Smith, Pacific Grove, Calif.
Application June 23, 1944, Serial No. 541,822
5 Claims. (Cl. 226—103)

1. In a produce canning machine, a carrier mounted for rotation about a substantially vertical axis, a plurality of radially disposed spaced arms on the carrier, an open top produce receiver on the outer end of each arm, means for delivering produce to the receivers, a compressing element pivoted on each arm and arranged for movement toward the produce receiver on said arm, whereby the produce in the receiver may be engaged and compressed, can delivery means for delivering open cans to the carrier, means for ar-



ranging the cans in positions whereby they may receive the compressed produce from the receivers, means on each arm and synchronized with the carrier and the compressing elements for forcing the produce from the receivers into the cans while the compressing elements are in engagement with the produce in the receivers.

2,452,667
ILLUMINATED MAILBOX AND HOUSE NUMBER
Arthur J. Lambert, Wichita, Kans.
Application December 23, 1946, Serial No. 717,975
2 Claims. (Cl. 40—132)

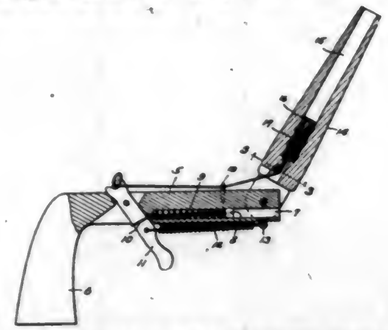


1. In an illuminated house fixture of the class described comprising a casing composed of an upper compartment and a lower compartment, the upper compartment having an open front providing a rectangular frame, opaque numbers and means to support the same in the opening of said frame, a light producing element positioned in the upper compartment and being below said numbers for illumination of said upper compartment, there being a slot between said compartments and communicating therewith for indirect illumination of said lower compartment, and a transparent window in the front of said lower compartment as visual means for the presence of mail in said compartment.

2,452,668
TOY GUN
George P. Lee, Stroudsburg, Pa.
Application March 17, 1944, Serial No. 526,940
1 Claim. (Cl. 124—27)

A toy gun comprising a main gun barrel, a gun barrel pivotally connected to the main gun barrel and adapted to be adjusted to various angular positions with respect to the main gun barrel, plungers operating in the barrels, springs within the barrels adapted to normally urge the plungers outwardly, a trigger pivotally mounted on the main gun barrel, a flexible member connected with the plunger operating within the pivoted

gun barrel, and being releasably connected to said trigger at a point above the pivot point of the trigger, a flexible member connected with the plunger of the main barrel and being connected with the trigger at a point below the pivot point of the trigger, a control spring connected with the main gun barrel and being connected with the



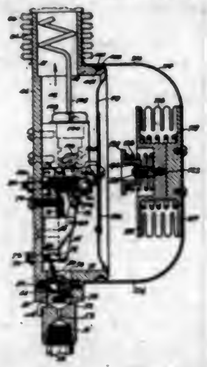
trigger at a point below the pivot point of the trigger, and adapted to normally urge the upper end of the trigger rearwardly against the action of the spring in the pivoted barrel, and said trigger adapted to release the spring in the pivoted barrel and simultaneously tension the control spring and spring in the main gun barrel, when the trigger is moved rearwardly, and the spring in the main gun barrel adapted to eject an article from the main gun barrel when the trigger is released.

2,452,669
COPOLYMERIZATION OF POLYESTERS AND VINYL COMPOUNDS
Max M. Levine, Rochester, N. Y., assignor, by mesne assignments, to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y., a corporation of New York
No Drawing. Application February 8, 1945, Serial No. 576,895
2 Claims. (Cl. 260—45.4)

1. In the copolymerization of a polyester taken from the class consisting of diethylene glycol maleate, triethylene glycol maleate, tetraethylene glycol maleate, hexamethylene glycol maleate, diethylene glycol chloromaleate, 2 ethyl 1, 3 hexanediol maleate and 2, 3 butanediol maleate with an ethylenic unsaturated compound copolymerizable with such polyester in the presence of an organic peroxide as a catalyst, the method of accelerating the copolymerization comprising conducting the same in the presence of an organic peroxide and 1 to 20 percent, based upon the weight of the copolymerizable material, of a compound of the group triethanolamine, triisopropanolamine and methyl diethanolamine.

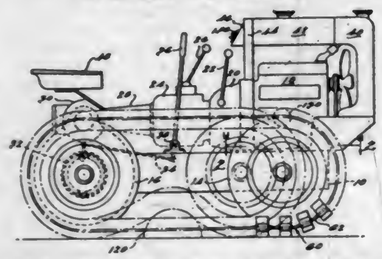
2,452,670
BREATHING APPARATUS
Phillip E. Meidenbauer, Jr., Lancaster, N. Y., assignor to Scott Aviation Corporation, Lancaster, N. Y., a corporation of New York
Application April 10, 1944, Serial No. 530,262
27 Claims. (Cl. 128—142)

1. A breathing apparatus comprising a respiration chamber having an inlet adapted to be connected with a supply of oxygen under pressure and an outlet adapted to be connected with the breathing system of a person, valve means for opening and closing said inlet, and control means for controlling the opening of said valve means for increasing the maximum pressure at which the lungs of said person are inflated in proportion to the altitude where the apparatus is used including a diaphragm which is operatively associated with said valve means, an aneroid device



which is inactive relative to said diaphragm in lower altitudes but operates in higher altitudes to resist the expansion of said diaphragm, and yielding buffer means interposed between said diaphragm and said aneroid device.

2,452,671
TRACK-LAYING TRACTOR
Lewis B. Merrill, Baldwin, Mich., assignor to Harry V. Tutton, Detroit, Mich.
Application April 1, 1944, Serial No. 529,087
16 Claims. (Cl. 305—9)

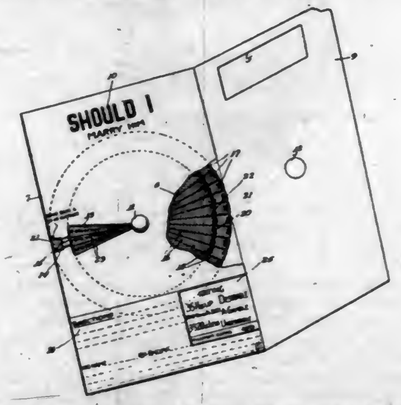


1. In a tractor vehicle of the class wherein a pair of wheels are provided at each side thereof and an endless track is trained over the wheels on each side of the vehicle, the combination with said tractor vehicle and one of the wheels on each side thereof of means for mounting each of said one wheels with respect to said vehicle operable to permit bodily shiftable movement thereof toward and from the other of said wheels on the same side of the vehicle, and fluid pressure means operable to constantly urge said shiftable wheels away from said others of said wheels.

2,452,672
MANUFACTURE OF UNSATURATED ORGANIC COMPOUNDS
Samuel Aaron Miller and Walter Henry Groombridge, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 13, 1944, Serial No. 558,604. In Great Britain November 11, 1943
11 Claims. (Cl. 260—465.9)

1. A process for the production of alpha-beta unsaturated acids and their nitriles and esters, which comprises heating to boiling a mixture containing a lower fatty acid ester of a compound of formula $R_1R_2C(OH).CHR_3R_4$, where R_1, R_2 and R_3 are members of the group consisting of hydrogen atoms and lower alkyl radicles and R_4 is a member of the group consisting of the nitrile, carboxyl and esterified carboxyl radicles, and a free lower fatty acid, heating the vapor mixture so produced to a temperature at which the said ester decomposes into its lower fatty acid component and a compound of formula $R_1R_2C:CR_3R_4$, where R_1, R_2, R_3 and R_4 have the meanings set out above, separating from the vapor mixture so obtained at least a substantial part of its content of free lower fatty acid, and returning the separated free lower fatty acid to the boiling mixture.

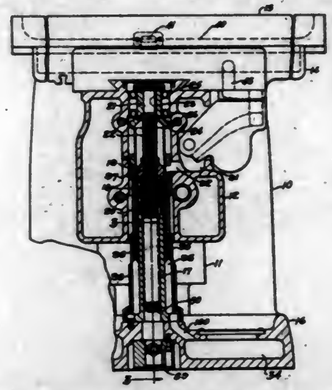
2,452,673
QUESTION AND ANSWER RATING DEVICE
Louis Moscove, Chicago, Ill.
Application December 18, 1944, Serial No. 568,588
9 Claims. (Cl. 273—161)



1. A selective amusement device, comprising a sectorially divided dial, and a front and back cover device in which it is rotatable and partially concealed, the front cover having a sector opening corresponding to several of the sectors of the dial, the dial sectors having selective display matter visible through the opening, removable means in or at the ends of the dial sectors for indicating the choice of display matter, and the front and back cover device having corresponding notches at the edges into which the end of any one of the selected dial sectors projects so that the removable means at the end of that sector may be manually engaged on both sides thereof for bodily removing it from the sector.

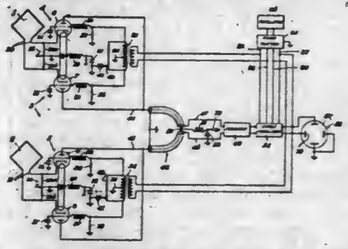
2,452,674
KNEE ACTUATING MECHANISM FOR MILLING MACHINES
Lester F. Nenninger and Fred A. Hassman, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application April 22, 1946, Serial No. 664,122
6 Claims. (Cl. 90—11)

1. In a milling machine having a column, a cutter spindle journaled in the column, a knee slidably mounted on the column for movement toward and from the spindle, an upstanding pedestal integral with the column, a nut member mounted in the top of said pedestal, an elevating screw supported in the knee for operative engagement with said nut member, a drive gear for actuating said screw, inner and outer sets of telescoping tubes surrounding said pedestal to form an annular space therebetween, a coolant-conducting passage formed in the knee, means connecting said passage to said annular space



whereby returning coolant may pass in heat-exchanging relationship with the pedestal, passageways connecting said space with a reservoir in the base of the machine, and means for supplying coolant from the reservoir to the knee by way of the cutter spindle.

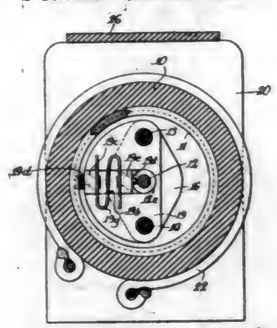
2,452,675
DIRECTION FINDING SYSTEM
John H. Newitt, Maplewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 4, 1946, Serial No. 667,273
1 Claim. (Cl. 343—121)



A radio direction finder comprising a pair of antennas having different radiant action directivities; a source of low frequency energy having a dual output of which one output is substantially 90° out of phase with the other; a pair of balanced modulators for modulating radio frequency energy derived from one of said antennas with the relatively low frequency energy of one phase from said low frequency source, each modulator comprising a pair of electron discharge devices each having an anode, cathode, and control electrode, a pair of cathode resistors each connected at one end to one of said cathodes and at the other end to ground, means for coupling one of said antennas to said cathodes in push-pull, means for applying the low frequency energy of one phase from said low frequency source to said control electrodes in push-pull, means grounding said control electrodes at said radio frequency but offering a substantial impedance at said low frequency, and means coupling said an-

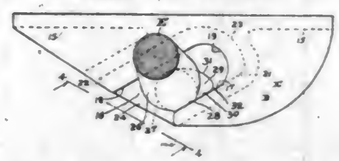
odes together; a direction finding receiver, a transformer having each end of its primary connected to a separate pair of anodes in a separate one of said balanced modulators, means coupling the secondary of said transformer to said receiver, a cathode ray tube, means coupling energy from said low frequency source to produce a deflection of the beam in said cathode ray tube, and means coupling the output of said receiver to said cathode ray tube to modulate said deflection.

2,452,676
ADJUSTABLE INDUCTOR
Edgar O'Brien, Chicago, Ill., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application August 12, 1944, Serial No. 549,275
2 Claims. (Cl. 171—242)



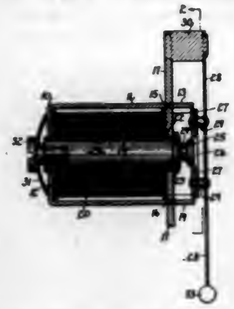
1. An adjustable inductor comprising a tubular form of insulation material, a helical inductor winding disposed on the inside wall of said form, a conductive rod disposed centrally in said form and having a helical groove of the same pitch as said winding, an internal contact member including a first contact element electrically engaging said winding and a second contact element engaging said groove, spring means biasing said first and second contact elements into engagement with said winding and groove respectively and electrically interconnecting said contact elements, means for rotating said member about said rod to cause said first contact element to move in a helical path while maintaining a sliding engagement with said winding, and a pair of terminals connected to electrically spaced points of said inductor, one of said terminals being connected to said rod, whereby the circuit between said terminals includes only two sliding contacts.

2,452,677
DOOR FASTENER
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application November 29, 1946, Serial No. 712,835
3 Claims. (Cl. 292—241)



1. In a door fastener for a hinged door of a container, the combination with a fixed keeper on said container, said keeper having a cam slot defined by spaced, vertically disposed, front and rear walls, said front wall facing the door; of a rotary operating bar mounted on the door; a crank member rotatable with said bar, said crank member including a crank pin engageable in said cam slot, said crank pin being engageable with said front wall to force the door closed; and a radially extending flange on said crank pin engageable with said front wall to hold the door closed when the parts of the mechanism become disaligned.

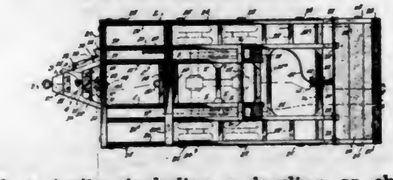
2,452,678
ELECTROMAGNETIC AUDIBLE-SIGNAL DEVICE
Arthur B. Poole, Harwinton, Conn.
Application September 27, 1945, Serial No. 618,866
4 Claims. (Cl. 172—126)



3. An electromagnetic audible-signal device, including in combination: an energizing-coil; a magnetic core extending through the interior of the said energizing-coil and having a relatively-slender neck adjacent one end and an overhanging head at the end of the said neck projecting beyond the adjacent end of the said energizing-coil a distance materially greater than the thickness of the hereinafter-mentioned armature; a magnetic shell extending over the exterior of the said energizing-coil and provided at its end adjacent the head of the said core with two pole-salients located substantially diametrically opposite each other on the respective opposite sides of the head of the said core and projecting beyond the adjacent end of the said energizing-coil a distance materially greater than the thickness of the hereinafter-mentionad armature; and an armature having a substantially-central opening therethrough adapted to freely fit over the head of the said core and the said armature being shaped and sized to freely fit between the respective pole-salients of the said shell and to vibrate therebetween without striking any of the aforesaid pole-salients or the said energizing-coil.

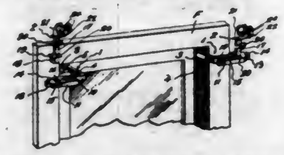
2,452,679
RADIO-FREQUENCY TRANSFORMER
Clayton W. Ramsden, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 16, 1945, Serial No. 588,682
5 Claims. (Cl. 171—119)

1. A transformer comprising an insulating tube, a primary winding and a secondary winding surrounding said tube, said primary winding comprising a first coil and a second coil spaced from said first coil, said coils being serially connected so as to produce opposing fluxes, said secondary winding comprising a third coil and a fourth coil spaced from said third coil, said third and fourth coils being wound in opposite directions around



said tube, and means for electrically connecting said third and fourth coils intermediate their ends to provide a desired mutual inductance for said primary and secondary windings.

2,452,680
CURTAIN AND SHADE SUPPORT
Robert E. Ratcliffe, Dallas, Tex.
Application November 25, 1944, Serial No. 565,088
2 Claims. (Cl. 248—252)

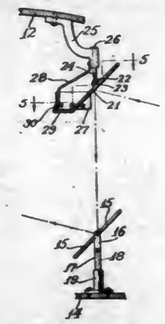


1. A support of the character described comprising a main bracket adapted to be secured to a window frame and provided with a socket open at upper and lower ends, and an auxiliary bracket over the main bracket including a vertical shank having its lower end removably engaged in said socket, front and rear forks carried by said shank and curved towards each other for fitting about the curtain pole, and one fork terminating in inner and outer fingers formed with openings for receiving a fastener to hold a curtain rod between the fingers and projecting from the inner finger to engage a curtain pole and hold the same between the forks.

2,452,681
HEAVY-DUTY TRAILER
Edward A. Rehberger, South Orange, N. J.
Application June 28, 1947, Serial No. 757,837
11 Claims. (Cl. 214—85)

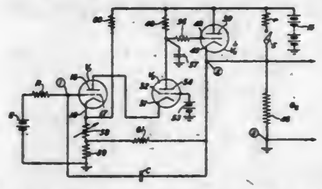
1. A trailer including a hauling or chassis frame having a road wheel structure attached at one end and hauling means at the other end with a positioning roll near the latter end, a loading or platform type of frame pivotally carried on the first mentioned frame with hydraulic means hand operative from in front of the end of the loading frame for tilting the loading frame about the pivot so its rear extremity may be brought into engagement with the terrain whereby structures to be loaded, may be readily moved onto it, said means then being operable to bring the loading frame back to normal horizontal position and means for anchoring the loading frame in normal load carrying position.

2,452,682
REFLECTOR DRIFT INDICATOR APPARATUS FOR BOATS AND AIRCRAFT
Walter W. Remy, Angola, Ind.
Application March 23, 1945, Serial No. 584,426
3 Claims. (Cl. 88—1)



1. A drift indicator for a pilot of aircraft, boats, and the like, comprising upper front view objective mirror having means mounting it for swinging movement on a horizontal axis and upon a vertical axis, a transverse drift indicating line on the mirror parallel to the vertical axis, an eye piece mirror spaced from the objective mirror having means mounting it for movement about a vertical axis and a horizontal axis, and the face of the eye piece mirror having a central marked dot for locating the reflection of the drift indicating line of the objective mirror with respect thereto.

2,452,683
SWEEP CIRCUIT
John W. Rieke, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 21, 1944, Serial No. 527,457
2 Claims. (Cl. 250—36)



1. A circuit for the production of a sweep voltage varying linearly with time at a rate determined by a unidirectional control voltage comprising a first, a second and a third thermionic vacuum tube having each at least a cathode, a control grid and an anode, a first resistance connected between ground and the cathode of the first tube, a second resistance connected between ground and the cathode of the third tube, a direct connection between the anode of the first tube and the cathode of the second tube, a conductive connection between the anode of the second tube and the control grid of the third tube, power supply for said tubes including a source of unidirectional voltage conductively connected negatively to ground and positively to the cathode of the first tube and to the anodes of the second and third tubes, a sweep condenser connected between the cathode of the third tube and the control grid of the first tube, a source of unidirectional control voltage connected negatively to ground and

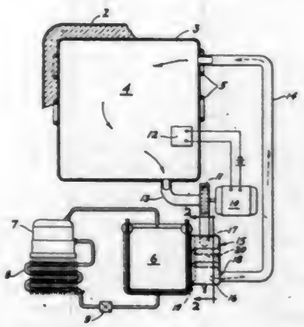
positively through a third resistance to the control grid of the first tube, a fourth resistance connected between the cathode of the third tube and a point on the first resistance and a switching circuit connected between the cathode and the anode of the third tube operable directly to charge initially the sweep condenser and thereafter reversely to enable said condenser to be discharged at a rate determined by the magnitude of the control voltage, thereby providing across the second resistance a voltage decreasing substantially linearly with time.

2,452,684
PORTABLE HOD STAND
Vernon C. Robinson, Phoenix, Ariz.
Application January 14, 1947, Serial No. 721,943
4 Claims. (Cl. 72—134)



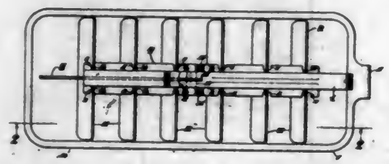
1. In a portable hod stand, a hod having an extending handle, a plurality of legs substantially of the same length as the handle of the hod, a channel element secured to the under side of said hod, a mounting element slidably mounted on said channel element, and means pivotally mounting the legs in the mounting element.

2,452,685
HUMIDITY CONTROL APPARATUS
William Rudoy, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 4, 1945, Serial No. 597,546
9 Claims. (Cl. 62—6)



1. In refrigeration apparatus including a plurality of refrigerated zones one of which comprises a compartment adapted to be maintained at a condition of high relative humidity, cooling means effective to maintain said compartment at a non-frosting temperature, cooling means adapted to operate at a temperature below that prevailing in said compartment and effective to cool another of said zones to a temperature below the freezing point of water, a freezable liquid in heat exchange relation with said last-mentioned cooling means, said liquid having a fusion temperature in the region of 32° F. and a relatively high latent heat of fusion, said liquid normally being maintained in a frozen condition by the action of the cooling means and presenting a substantial and stable thermal mass when raised to the fusion temperature, and means for effecting circulation of air from said compartment in heat exchange relation with said frozen liquid, whereby to condense moisture from the air at a stable temperature in the region of the freezing point of water and without effecting substantial increase in the temperature of said last-mentioned cooling means.

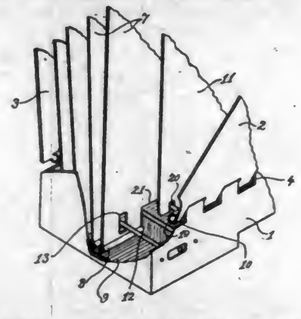
2,452,686
ICE TRAY
Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 24, 1946, Serial No. 664,557
4 Claims. (Cl. 62—108.5)



1. A partioning grid for a freezing tray, comprising a main longitudinal wall having an upstanding bearing projection on its upper edge, a series of cross walls loosely mounted upon said main wall so as to be tiltable longitudinally thereof, said cross walls having aligned open notches cut thru their upper edges, a longitudinally movable actuating bar for tilting said cross walls, said bar lying within said aligned notches and having a hole therein thru which said upstanding bearing projection extends, a hand lever having a forked end pivotally mounted upon said upstanding projection and having laterally extending opposed eccentric lugs on said forked end, said actuating bar having integral open-top sockets within which said eccentric lugs project laterally for moving said actuating bar horizontally upon swinging said hand lever about its pivot mounting, said hand lever being insertable to its assembled position upon the grid after said actuating bar and cross walls have been fully assembled upon said main wall.

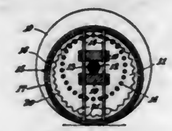
2,452,687
VISIBLE INDEX
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application May 13, 1944, Serial No. 535,443
2 Claims. (Cl. 129—16)

1. A visible index holding tray having end bottom portions, the portion of the bottom of the tray intermediate the end portions being at a higher elevation than the end portions and continuous from end portion to end portion, a plurality of separating sheets having end portions the lower edges of which rest on the end bottom portions of the tray, the portions of the lower edges of the separating sheets intermediate said end portions being spaced above the elevated intermediate portion of the bottom of the tray, said elevated intermediate portion forming a continuous support for the lower edges of record cards positioned between the separating sheets, and rod



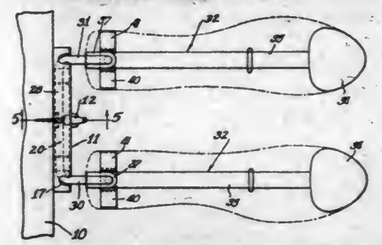
means spaced above the surface of the elevated portion.

2,452,688
COMBINATION EMERGENCY WHEEL AND ANTISKID DEVICE
Otto Schlett, Woodside, N. Y.
Application February 9, 1946, Serial No. 646,528
8 Claims. (Cl. 301—47)



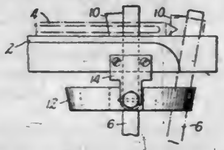
6. In a device of the class indicated, a wheel axle supporting frame, a wheel axle journaled therein, a vehicle wheel structure removably supported by the axle and including a brake drum and wheel body, a housing having movable and fixed substantially disc-shaped portions, the movable portion being associated with the wheel structure, and having an endless series of power transmitting means at its interior, the fixed portion being secured to the frame, a substantially annular mechanism operative between the two housing portions and being adapted to normally assume a position concentric with the wheel, while in inoperative position, and to move to an eccentric, operative position, and to engage the wheel supporting surface, said mechanism comprising a non-rotary ring frame, connectors secured at the top and bottom portions thereof, fixed guide means for the connectors arranged above and below the wheel axle frame, a bridging member provided with the connectors, hydraulic means engaging said bridging member, spring elements associated with said connectors, some of the spring elements bearing against the upper portion of the ring frame, other spring elements being interposed between the bridging member and the lower ring frame portion, said hydraulic means being adapted to impart vertical movements to said ring frame by way of said bridging member, said connectors and said spring elements, a substantially channel-shaped annulus embracing and being rotatable about said ring frame and having its channel flanges directed radially inwards, one of its flanges being provided with an endless series of power transmitting elements adapted for engagement with power transmitting means arranged at the movable housing portion, the downward movement of the ring frame, caused by said hydraulic means, effecting the interengagement between said power transmitting elements of the annulus and the power transmitting means of the movable housing portion, and exchangeable, antiskid tread means associated with the annulus.

2,452,689
FOLDAWAY SHOE TREE
William F. Sheppard, Chicago, Ill.
Application June 29, 1946, Serial No. 680,436
4 Claims. (Cl. 12—128.1)



1. In a shoe tree device of the character described, in combination, an elongated bracket substantially channel-shaped in cross section and providing a central body portion and top and bottom flanges integral therewith, said bracket having a transverse slot formed in the body portion thereof adjacent the ends respectively and the top flange having a notched opening in connecting relation with each said slot, an arm member journalled by the bracket, said arm member including an arm at each end thereof adapted to extend through one of said slots, whereby the arms extend outwardly of the bracket by extending through said slots and in front of the central body portion when horizontally positioned and whereby the arms are releasably held in a vertical position by said notched openings as a result of the tension effect of the arms therewith, and means including resilient members comprising a shoe tree fixed to the outwardly extending end of each arm.

2,452,690
CHECK STRAP
Homer J. Shivell, Kingsport, Tenn.
Application November 27, 1945, Serial No. 631,009
4 Claims. (Cl. 139—161)

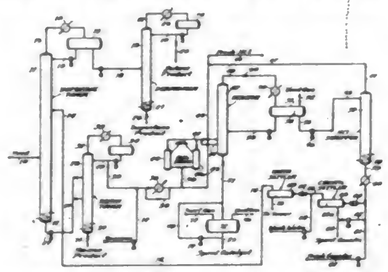


1. A check strap of the loop type for high speed automatic looms, said strap having ventilating openings through said strap and distributed over the area of said strap beyond that in which the strap is secured to the loom.

2,452,691
ISOMERIZATION OF PARAFFINIC HYDROCARBONS
Bernard H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 31, 1943, Serial No. 481,313
19 Claims. (Cl. 260—683.5)

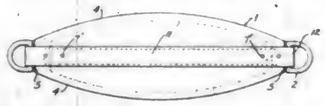
1. The method of isomerizing normal paraffin hydrocarbons of more than 3 but less than 6 car-

bon atoms by means of a Friedel-Crafts catalyst which method comprises isomerizing said hydrocarbons by contacting them with said catalyst



under isomerization conditions in the presence of an amount of an aromatic hydrocarbon within the approximate range of 0.02 to 3% by volume based on hydrocarbon charge.

2,452,692
DUCK STRAP
Herbert A. Sleep, Yreka, Calif.
Application December 22, 1945, Serial No. 636,670
2 Claims. (Cl. 224—7)



1. In a shoulder strap for carrying fowl or the like, a leather back for placing over the shoulder of a person and having a widened central section and straight and parallel end edges, D-shaped brackets at opposite ends of the back, a handle strap extending lengthwise over the back and having folded end sections passing through the D-shaped brackets and underneath the ends of the back, and means passing through the folded end sections of the strap, and adjacent end sections of the back for anchoring the handle strap to the back and for furnishing supporting loops for the brackets.

2,452,693
MINERAL OIL COMPOSITIONS RESISTANT TO FOAMING
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 4, 1946, Serial No. 701,072
6 Claims. (Cl. 252—32.5)

1. A mineral oil composition resistant to foaming comprising a major amount of a mineral oil and an amount at least sufficient to reduce the foaming tendency of said oil of a salt of (1) a salt-forming constituent selected from the class consisting of metals and an organic ammonium group derived from the class consisting of heterocyclic nitrogen bases and N-dialkarylamines and (2) the viscous liquid reaction product of heating at a temperature not exceeding 300° F. 1 mol of a glycol having from 2 to 6 carbon atoms, 1 molar equivalent of a phosphorus compound selected from the class consisting of phosphorus oxychloride and phosphorus pentoxide and 1 mol of a saturated aliphatic monohydric alcohol having from 1 to 18 carbon atoms.

2,452,694
ANCHOR FASTENING
Aurelius Sofia, Mamaroneck, N. Y.
Application June 13, 1947, Serial No. 754,496
4 Claims. (Cl. 248—28)



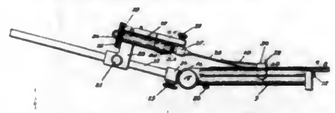
1. An anchor fastening for hanging pictures, mirrors or the like on a supporting surface comprising a body member adapted to be secured against an upright supporting surface and including a substantially V-shaped portion disposed to open upwardly and having a lower, bight portion adapted to receive and engage a portion of a length of picture wire or the like adapted to be attached at its ends to a mirror, picture or similar article to be supported, and means carried by said body member and disposed to be advanced or retracted relatively to the inner side of said bight portion for engaging and clamping the wire, when in an advanced position, to prevent said wire from sliding relatively to the bight portion.

2,452,695
BASEBALL MITT
William J. Sonnett and Benjamin B. Stobbe, Ada, Ohio, assignors to Ohio-Kentucky Manufacturing Company, Ada, Ohio, a corporation of Ohio
Application September 3, 1947, Serial No. 771,932
3 Claims. (Cl. 2—19)



1. A baseball mitt having a palm piece and a back piece each having an aligned opening formed therein to divide said pieces into a thumb part and a fingers section for the mitt, means for joining the marginal edges of the pieces, a U-shaped backstop member positioned in the openings between the thumb part and fingers section, and comprising a pair of spaced leg portions integrally joined at their lower extremities by a semi-solid base portion, flexible means connecting the edges of the thumb part and fingers section made by the opening to the adjacent outer edges of the base and leg portions of the backstop member, and flexible means for connecting the adjacent edges of the leg portions of the member.

2,452,696
MEANS FOR DRESSING AND REPOINTING HYPODERMIC NEEDLES
Robinson R. Stabler, Greensboro, N. C.
Application January 8, 1948, Serial No. 1,221
6 Claims. (Cl. 51—59)



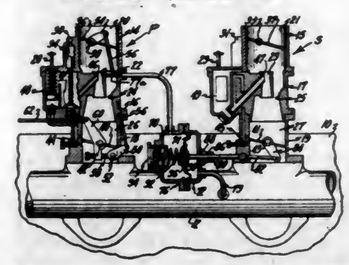
1. A device for restoring the points of hypodermic needles comprising, an elongated main frame having a longitudinally extending way formed therein, a slide mounted for endwise reciprocation in said way, a honing slab engaged by said slide, said frame being shaped to provide an elongated chamber beneath said slide, a spring housed in said chamber, means for engaging said spring with the slide in such manner as to cause the spring to tend to move the slide toward one end of the frame, an inclined guide bar extending upwardly and outwardly beyond the other end of the frame and in the direction of the length of the frame, means for pivotally connecting the lower end of said guide bar to the last named end of the frame, a mandrel comprising a shaft, a bearing head in which said shaft is mounted, a foot slidably mounted upon the guide bar and by which the bearing head is carried, means for holding the foot in varying positions of adjustment along said guide bar, said shaft extending in the direction of the length of said guide bar, and means at that end of the shaft nearest the honing slab constructed to engage a conventional hypodermic needle to hold the said needle in axial alignment with the shaft.

2,452,697
DEVICE FOR SHARPENING HYPODERMIC NEEDLES
Robinson Ryland Stabler, Greensboro, N. C.
Application May 20, 1947, Serial No. 749,207
17 Claims. (Cl. 51—59)



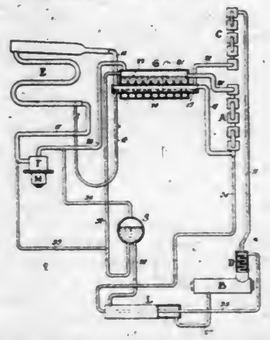
1. A device for restoring the points of hypodermic needles which comprises an elongated honing slab having a plane upper face, a frame in which said slab is disposed for longitudinal guided reciprocation, said frame being shaped to permit the slab to be grasped and manually reciprocated endwise, a member, a shaft by which said member is carried, said member comprising means for receiving and engaging the hub of a hypodermic needle, a bearing housing in which said shaft is mounted to turn, a guide extending lengthwise of and away from one end of the frame, means for mounting the bearing housing for bodily adjustment along said guide toward and from the honing slab, said guide lying at an acute angle to the plane of the upper face of the slab, said angle being such that when the bearing housing and member are advanced toward the slab and along said guide the usual angular face of the needle rests flat upon the upper face of said slab, and means for binding the housing to the guide at varying points in the length of said guide to limit the movement of the needle toward the slab and to thereby limit the pressure of the needle point upon said slab.

2,452,698
CARBURETOR
Richard R. Strebinger, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application July 5, 1941, Serial No. 401,170. Divided and this application June 30, 1944, Serial No. 542,978
4 Claims. (Cl. 261—23)



2. In a multiple stage carburetor system for internal combustion engines: a primary induction passage controlled by a throttle valve; a secondary induction passage controlled by a throttle valve; manual means for controlling the primary throttle valve; suction responsive means for operating the secondary throttle valve; a conduit connecting the last mentioned means with the primary induction passage anterior to the primary throttle valve and a second conduit connecting said means with a source of manifold vacuum, whereby said means tends to open the secondary valve upon an increase in suction anterior to the primary throttle valve and tends to close the secondary valve in accordance with manifold vacuum; and means adjacent the induction passage end of the first mentioned conduit modifying the suction in said conduit relative to that in the induction passage.

2,452,699
REFRIGERATION
Otis B. Sutton, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application February 18, 1944, Serial No. 522,858
9 Claims. (Cl. 62—119.5)

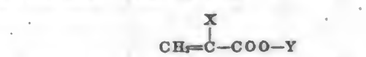


1. In an absorption refrigerating apparatus of the inert gas type embodying an evaporator, an

absorber and a condenser; means constructed and arranged to provide mutual heat transfer between lean solution enroute to the absorber, liquid refrigerant enroute to the evaporator and inert gas flowing into and away from the evaporator.

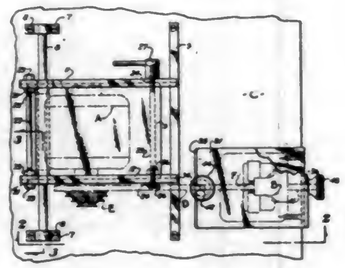
2,452,700
COPOLYMERS OF 2,5-DIMETHYL-1,5-HEXADIENE AND ACRYLIC ESTERS
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 29, 1946, Serial No. 680,515
6 Claims. (Cl. 260—84.5)

6. A method which comprises heating together 2,5-dimethyl-1,5-hexadiene and a monomeric acrylic ester of the formula



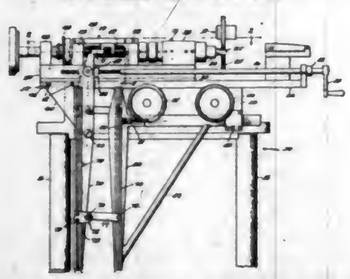
where X is a radical selected from the group consisting of H and alkyl, and Y is a radical selected from the group consisting of alkyl, aryl and aralkyl, in the presence of a per-oxy compound catalyst, the molar ratio of the diene to the acrylic ester being at least 6:1, whereby to produce an acetone-soluble interpolymerizate of said monomers.

2,452,701
IMPLEMENT MOUNTING
Edgar C. Trefry, Los Angeles County, Calif., assignor of one-half to G. Loren Le Munyon, Los Angeles County, Calif.
Application February 18, 1946, Serial No. 648,281
5 Claims. (Cl. 51—134.5)



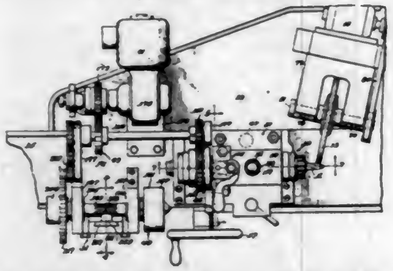
1. A motor mounting means for a driving motor adapted for use in a drive-connected unit including a driven tool which is subject to change with a resulting alteration in the position of the drive-connection, said motor and tool being mounted on a common supporting member, which comprises: a motor plate adapted to be affixed to said motor; rails extending longitudinally toward the position of said tool and having longitudinal channels wherein the lateral margins of said motor plate are slidably engageable; means for holding said rails in substantially parallel spaced relation; means for clamping said rails to said plate; and means connecting said motor plate and said rails to said common supporting member, inclusive of a slide bar extending at right angles to said rails and friction reducing means between said rails and said slide bar whereon said plate and rails are slidable at right angles to said rails.

2,452,702
DRILL GRINDING MACHINE
Walter Umbdenstock, Chicago, Ill., assignor to Lion Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application December 18, 1944, Serial No. 568,607
9 Claims. (Cl. 51—94)



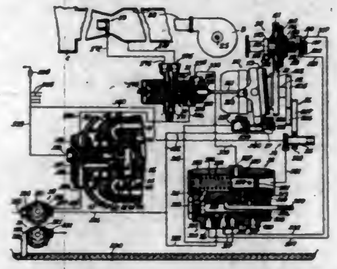
3. In a drill grinding machine, means for rotating the drill, grinding means, means to move the drill longitudinally relative to the grinding means, said drill rotating means including a driven helical gear and a helical driving pinion, means to shift said pinion relative to said gear to vary the timed driving relation therebetween during longitudinal movement of said drill, and means to oscillate the drill relative to the grinding means in synchronism with the drill rotation for relief grinding.

2,452,703
DRILL GRINDING MACHINE
Walter Umbdenstock, Chicago, Ill., assignor to Lion Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application December 18, 1944, Serial No. 568,608
17 Claims. (Cl. 51—94)



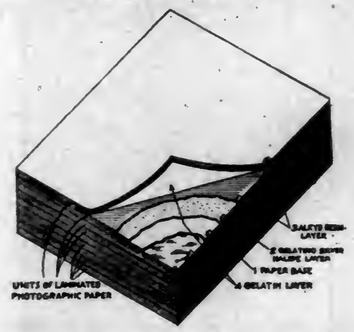
1. A grinding machine comprising means for supporting and rotating a work piece in grinding position with respect to a grinding member, including a chuck head, a carriage for said head, said carriage being movable to traverse the work piece in front of the grinding member, means to reciprocate said carriage, said head being movable on the carriage in a direction transversely of the direction of movement of the carriage whereby to project the work piece grindingly against said member, spring means normally holding the head in retracted position, a magnet operable to move the head against the resistance of the spring means, adjustable means for limiting the movement of said head, and timer means for actuating the magnet in timed relation with respect to the rotation of said work piece whereby said head and work piece will be moved toward and from said grinding member at timed intervals during the rotation of said work piece.

2,452,704
HYDRAULIC TRANSMISSION AND CONTROL
Gunnar A. Wahlmark, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application August 7, 1943, Serial No. 497,750
23 Claims. (Cl. 98—1.5)



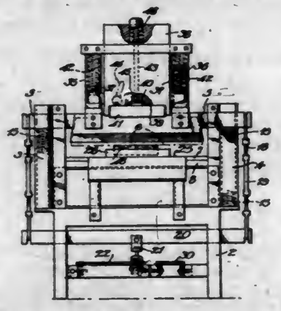
18. In a system for supercharging an aircraft cabin, which includes a blower for supercharging the cabin and means including a venturi through which the blower discharges air into the cabin and an engine having a power take-off, a hydraulically actuated clutch driven from the aircraft engine power take-off, a hydraulic transmission having an input shaft driven from the aircraft engine power take-off through said clutch and an output shaft geared to the blower, means for varying the speed of the output shaft above and below the speed of the input shaft, means for adjusting said speed varying means comprising a pair of opposed and unequal piston and cylinder devices, adjustment of said speed varying means under the influence of the smaller of said piston and cylinder devices reducing the speed of the output shaft relative to the input shaft and adjustment of said speed varying means under the influence of the larger of said piston and cylinder devices adjusting said speed varying means to increase the speed of the output shaft relative to the input shaft, means for supplying and controlling actuating fluid for said piston and cylinder devices and said clutch comprising a pump driven directly from the aircraft engine power take-off, means for maintaining the fluid discharged from said pump at a predetermined pressure value, a conduit leading from said pump directly to the smaller of said piston and cylinder devices constantly to supply fluid under pressure thereto, a conduit for supplying fluid from said pump to the larger of said piston and cylinder devices, a servo valve means interposed in said last named conduit to control the flow of fluid thereto including cooperating parts one actuated by said speed varying means, a pressure responsive device for actuating the other of said parts having connection to the venturi and the air inlet side of the conduit through which the blower supplies air to the aircraft cabin, a system for supplying fluid for the actuation of said clutch, a manually actuable valve interposed in said system and having a clutch engaged and a clutch disengaged position, said manually actuable valve also being interposed in the conduit leading to the larger of said piston and cylinder devices and operable in clutch engaged position to place control of the fluid flowing to the larger of said piston and cylinder devices under said servo valve and in clutch disengaged position to block said first named conduit and to connect the larger of said piston and cylinder devices for free discharge of the fluid therein, a third valve interposed in said first named conduit normally permitting flow of fluid through said conduit, and means responsive to the speed of said driven element operable as the speed thereof increases to certain values to urge said third valve in a direction to cut off the flow of fluid through said last named conduit and eventually to connect the larger of said piston and cylinder devices for the free discharge of fluid therefrom.

2,452,705
PACKAGE OF PHOTOGRAPHIC LIGHT-SENSITIVE PAPERS
Stanley Frederick William Welford, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company
Application February 23, 1945, Serial No. 579,489
In Great Britain March 3, 1944
1 Claim. (Cl. 95—8)



A package of light-sensitive elements each element comprising a paper support carrying on one side thereof a gelatino silver halide emulsion layer and a superimposed layer of an alkyd resin which is water-insoluble but alkali-soluble and carrying on the other side thereof a layer of gelatin, the said elements being packed in the package face to back.

2,452,706
ROCK SHEARING MACHINE
Elvin E. White, Tempe, Ariz.
Application August 5, 1947, Serial No. 766,282
4 Claims. (Cl. 125—23)



1. A rock shearing machine comprising a base, a fixed bottom blade thereon, a slab supporting table adjacent thereto having a spring support to resiliently support a slab thereon slightly above the edge of said blade, a top blade slidably supported on said base above said bottom blade, springs adapted to normally hold said top blade above said bottom blade, mechanism for drawing said top blade down upon the face of a rock slab

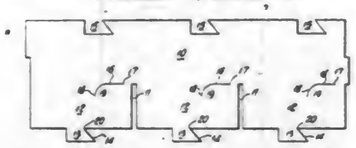
positioned on said bottom blade, including links attached to said blade, an evener bar and a hold down treadle, and mechanism for administering a sharp downward blow to said top blade, including an anvil on said blade, a reactance plate slidably supported thereabove having a cavity to hold an explosive charge on said anvil, and a firing pin operative to discharge said charge.

2,452,707
ART OF ORNAMENTED KNITTED ARTICLE MANUFACTURE
Emery F. Wirtz, Appleton, Wis., assignor to Zwicker Knitting Mills, Appleton, Wis., a corporation of Wisconsin
Application October 30, 1946, Serial No. 706,569
4 Claims. (Cl. 66—169)



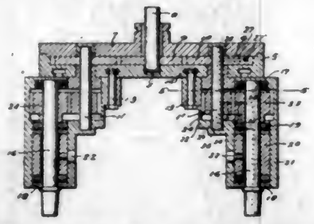
1. The method of producing a knit fabric which consists of knitting a body portion and during the progress thereof incorporating in said body portion mock spirally intertwining extents with floats of the body strands underlying the same, and during the knitting of said intertwining extents knitting into the opposite marginal portions thereof gathering strands in a manner so that the floats thereof intermingle with the floats of the body strands and tautly underlie said intertwining extents to cause outward protruding thereof.

2,452,708
INTERLOCKING STRIP SHINGLES
Herbert Abraham, New York, N. Y., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application March 6, 1947, Serial No. 732,798
3 Claims. (Cl. 108—7)



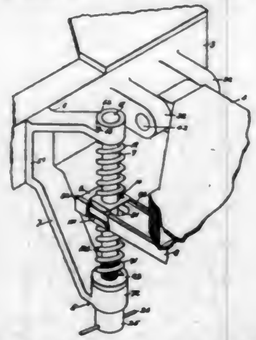
3. An interlocking strip-shingle having the portion thereof which is exposed when laid divided into a plurality of shingle-simulating units, each unit having a locking tab extending downwardly from approximately the middle of its lower edge, and a plurality of narrow openings in the body of the strip in substantially horizontal alignment with the upper end of the shingle-simulating units and spaced from the side edges thereof, said openings each terminating at one end in a downwardly extending slit to provide flap portions that can be raised temporarily out of their normal plane to permit of inserting all of the tabs of a like overlying strip into engagement with the openings of the underlying strip by longitudinal movement of the former.

2,452,709
LUBRICATING SYSTEM FOR ADJUSTABLE MULTIPLE SPINDLE DRILL HEAD
Rolland B. Alman, Pendleton, Ind.
Original application August 15, 1942, Serial No. 454,979, now Patent No. 2,349,240, dated May 23, 1944. Divided and this application April 17, 1944, Serial No. 531,440
1 Claim. (Cl. 184—6)



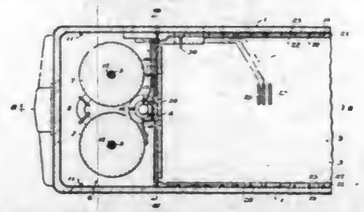
A multiple drill head comprising a body having a gear chamber therein adapted to receive a lubricant under pressure, a drive spindle journaled in the body, a plurality of shafts having lubricating passages therein, spur gears keyed respectively to the spindle and to the shafts in the chamber and operatively connecting the spindle with the shafts, a radial grease passage in the gears of the shafts communicating with the chamber, a check valve in each of said passages, a plurality of driven spindles having lubricating passages therein, and spur gears connecting the shafts with the respective driven spindles, said last-named gears having communicating radial passages and also providing communication between the passages of the shafts and the passages of the driven spindles.

2,452,710
TONGUE STABILIZER FOR VEHICLES
Elmo W. Allen, Fresno, Calif., assignor to Stan-Wall Manufacturing Company, Fresno, Calif., a corporation of California
Application March 4, 1946, Serial No. 651,834
7 Claims. (Cl. 280—33.44)



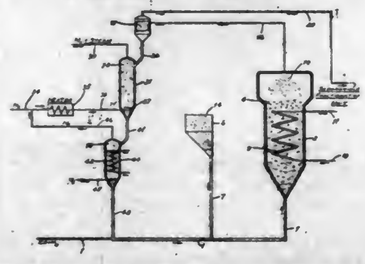
1. In combination with a one axle carriage having a frame, a tongue pivotally connected with the frame, and means adapted to normally and yieldingly hold said tongue in an extended horizontal position, consisting of a bracket rigidly attached to the frame of the carriage, a bar rigidly attached to the tongue of the carriage the bracket having arms extending in a direction to overlap the free end of the bar, and being aligned therewith a pin extending through the arms and the bar, the bar being adapted to move freely on the pin between the two arms, compression springs positioned around the pin on either side of the bar and adapted to bear against the bar and against the arms on the bracket, and means for adjusting the tension of said springs.

2,452,711
REFRIGERATING APPARATUS
David Aronson, Greensburg, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application May 14, 1947, Serial No. 748,079
6 Claims. (Cl. 257—3)



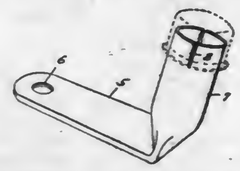
1. Refrigerating apparatus comprising spaced upwardly extending evaporator tubes for receiving at their lower ends a highly volatile liquid and having an internal diameter sufficiently small to cause vapor resulting from the evaporation of liquid therein to carry upward unevaporated liquid, a conduit for withdrawing vapor from the upper ends of the tubes, a condenser for receiving vapor from the conduit, a vaporizer located within but spaced from the bottom of the condenser and adapted to receive a liquid refrigerant having a very low boiling point, whereby the vapor in the condenser will be condensed to a liquid that collects in the bottom of the condenser without being subcooled by the refrigerant, and a conduit for conducting the liquid from the condenser to the lower ends of the evaporator tubes.

2,452,712
METHOD OF PRODUCING HYDROCARBON AND THE LIKE
Harold V. Atwell, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 22, 1946, Serial No. 671,571
10 Claims. (Cl. 260—449.6)



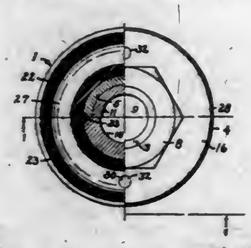
1. In the production of hydrocarbons, oxygenated hydrocarbons and the like by the catalytic reduction of carbon monoxide with hydrogen in the presence of a solid synthesis catalyst capable of effecting such conversion with the accompanying formation of water, the improvement which comprises passing said reactants in contact with said catalyst in a reaction zone under an elevated temperature and pressure effective for conversion of the reactants into desired products of reaction, maintaining said contact for a period of time sufficient to effect a substantial degree of conversion, continuously introducing into said reaction zone a desiccant material which chemically combines with the water produced in the reaction zone to form a compound, the dissociation pressure of which is substantially less at the temperature and pressure conditions of conversion than the partial pressure of water in said conversion zone, passing said desiccant material through the reaction zone, removing the desiccant from the reaction zone after combination with water vapor and maintaining the introduction and removal of the desiccant at a rate at which a substantial portion of the water formed in the reaction zone is removed thereby.

2,452,713
FILLER CAP SUPPORT
Roy Wilbur Bandy, Aspen, Colo.
Application January 21, 1947, Serial No. 723,372
1 Claim. (Cl. 248—224)



A filling tube cap support for attachment to a motor vehicle engine, comprising a bar having an opening formed adjacent to one end thereof, in which a bolt of the engine block extends, securing the attachment to the engine block, a tubular supporting member formed integral with one end of the bar and being extended at right angles with respect to the bar, the tubular supporting member having slots extended inwardly from the free end thereof, lending resiliency to the tubular supporting member and said slotted end of the tubular supporting member adapted to expand into contact with the wall of a filler tube cap, holding the cap on the tubular supporting member by frictional contact therewith.

2,452,714
PISTON
Harold Barnard, Houston, Tex., assignor to The Whitehead Bros. Rubber Company, a corporation of New Jersey
Application April 7, 1945, Serial No. 587,059
6 Claims. (Cl. 309—23)



6. A piston including an assembly comprising a body having end flanges and an intermediate

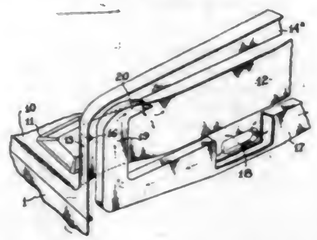
flange forming packing receiving grooves about the assembly, the opposed flange faces in each of said grooves being tapered convergingly outwardly and merging with the periphery of the flanges in a curved surface, a packing ring filling each of said grooves, said packing ring having flared peripheral edges overlying said curved surface to provide annular seal lips about the piston, and means responsive to fluid pressure upon said piston for expanding the packing rings radially of the assembly.

2,452,715

CONCEALED VENTING MEANS FOR STOVES

William Bauer, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio

Application May 22, 1946, Serial No. 671,495
6 Claims. (Cl. 126—21)



6. In a gas range, the combination of an horizontally extending top, a rear wall extending upwardly from the rear edge of said top, said rear wall being shaped to define a forwardly directed recessed portion and a pair of rearwardly directed recessed portions one at each side of said forwardly directed recessed portion, a hood extending over said rearwardly directed recessed portions and said forwardly directed recessed portion and providing communication between the upper end of each of said rearwardly directed recessed portions and the upper end of said forwardly directed recessed portion, an oven disposed below said top, a vent flue connected to said oven through which the products of combustion are discharged, said vent flue comprising an horizontally extending conduit disposed below said top and to the rear of said oven, a vertically extending conduit connected to each end of said horizontally extending conduit and disposed within said rearwardly directed recessed portions, and a discharge outlet secured to the upper end of each of said vertically extending conduits and extending over said forwardly directed recessed portion and arranged to discharge downwardly into said forwardly directed recessed portion.

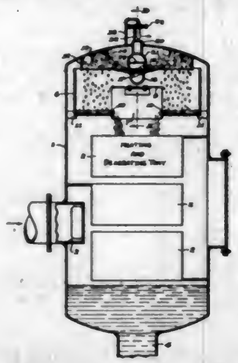
2,452,716

DEAERATING HEATER

Carl Hugo Bergquist, Forest Hills, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania

Application August 4, 1945, Serial No. 608,999
18 Claims. (Cl. 183—2.5)

12. A deaerating heater comprising a deaerating tank having a vent for escape of non-condensible gases, a spray pipe inside the tank adjacent the entrance to the vent, the tank being provided below the spray pipe with an inlet for steam, said pipe being adapted to be connected to a source of water outside the tank and being positioned to spray a curtain of water across said vent entrance to separate the steam from the vent, the entrance to the vent being confined to a portion of said curtain where substantially all of the steam reaching that portion is condensed before it can pass through the curtain, a movable valve member for restricting the outlet of the vent, a spring urging said member toward wide open position, a flexible diaphragm connected to said member, means putting one side of the diaphragm in communication with the inside of said vent to assist the spring, and means putting the opposite side of the diaphragm in communication with the inside of the tank outside of the vent to urge said valve member toward closed position, whereby the pressure drop from the tank into the vent can be held at the minimum necessary for bleeding off non-condensible gases regardless of pressure variations in the tank.

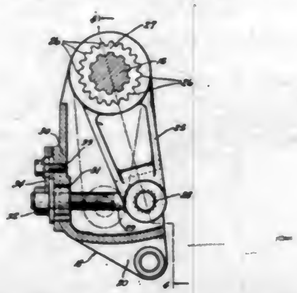


2,452,717

WHEEL BRAKE ADJUSTING MECHANISM

Arthur H. Blau, Milwaukee, Wis., assignor to Sterling Motor Truck Company, Inc., Milwaukee, Wis., a corporation of Wisconsin

Application October 10, 1945, Serial No. 621,492
4 Claims. (Cl. 74—522)



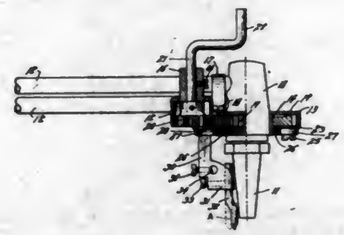
1. A mechanism of the character described, comprising an oscillatory shaft, means for varying the oscillatory movement of the shaft for brake operating purposes commensurate with the condition of the brake mechanism, said means comprising a main lever loosely mounted on said shaft for swinging movement, a second lever angularly adjustably anchored at its outer end to the main lever, gear means providing a shiftable indexing anchorage between the inner end of said second lever and said shaft, and operating connections extending to said main lever for swinging it.

2,452,718

CUTTING TORCH HOLDER

James Henry Blythe, Denver, Colo.

Application July 24, 1944, Serial No. 546,355
11 Claims. (Cl. 33—27)



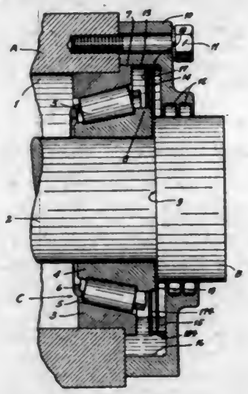
3. A guiding attachment for a tool comprising: a ring gear mounted to rotate about the axis of said tool; means for rotating said ring gear about said tool; a radius arm pivotally clamped at its one extremity to said ring gear at one side of the axis of said tool and extending arcuately thereabout to the opposite side thereof; and a center point member extending from the free extremity of said arm to a radial position with reference to said axis.

2,452,719

BEARING LUBRICATION

Ernest G. Boden, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application February 12, 1945, Serial No. 577,525
8 Claims. (Cl. 308—187)



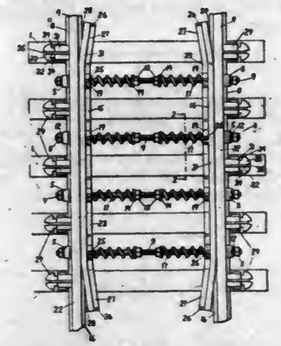
1. The combination with a housing having a lubricant reservoir in the lower portion thereof, a rotary horizontal shaft above said reservoir and an antifriction bearing for said shaft, of a lubricating device for said bearing comprising a centrifugal slinger element rotatable with said shaft and through the reservoir therebelow adjacent to one end of said bearing, and a non-rotary capillary distributor element having a surface that is easily wetted by lubricant interposed between said centrifugal slinger element and said end of said bearing and having an outer peripheral portion in position to receive lubricant from said centrifugal slinger element and an inner peripheral portion in position to deliver such lubricant to said end of said bearing.

2,452,720

RAILWAY CAR RETARDER

John A. Bodkin, New York, N. Y.

Application December 10, 1947, Serial No. 790,828
2 Claims. (Cl. 188—62)



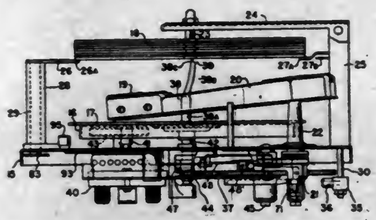
1. A car-retarding railroad appliance comprising a plurality of parallel rods provided with screw threads, a pair of substantially parallel auxiliary rails extending across said rods, being supported by the same and being slidable in the longitudinal direction of said rods, a plurality of pairs of jaw members, the jaw members of each pair being positioned at opposite ends of one of said rods and outside of said pair of auxiliary rails, said rod passing through said jaw members, a plurality of pairs of nuts, the nuts of each pair engaging one of said rods outside of said jaw members whereby said nuts are adapted to press said jaw members against the outer sides of the rails of a railroad while said auxiliary rails are positioned between said railroad rails, and resilient means urging said auxiliary rails outwardly.

2,452,721

AUTOMATIC RECORD CHANGING APPARATUS

Ortis C. Booher, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana

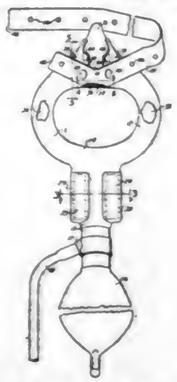
Application July 30, 1940, Serial No. 348,575
11 Claims. (Cl. 274—10)



1. In an automatic phonograph having a pick-up arm, a continuously moving member including a projection and a cam, a cam wheel adapted to be driven by said continuously moving member, said cam wheel having a gap in its periphery for disengaging said cam wheel from said continuously moving member, a projection associated

with and rotatable with said continuously moving member, a coupling member operatively associated with said cam wheel for moving in a vertical plane and being positioned normally in the path of said projection for being moved thereby for bringing said cam wheel into driving relationship with said continuously moving member, a catch operatively associated with said coupling member and said cam for holding said coupling member out of the path of said projection, and means for moving said catch to release said coupling member comprising a lever frictionally connected to said pickup arm and movable into engagement with said catch.

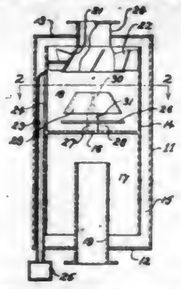
2,452,722
CLINICAL MASK FOR BREATHING AND REBREATHING MIXTURES OF GASES
Walter M. Boothby and Arthur H. Bulbulian, Rochester, Minn., and William Randolph Lovelace, II, Albuquerque, N. Mex.
Application July 14, 1947, Serial No. 760,892
4 Claims. (Cl. 128—202)



1. A mask structure embodying a body portion adapted to be positioned over breathing openings of a wearer and when so positioned forming a breathing chamber, a depending tube having gas passageway connection with said breathing chamber, a rebreathing bag depending from and having gas connection with the tube, a pair of openings formed in the tube at opposite sides thereof positioned between the connection of the tube with the breathing chamber and the rebreathing bag, turret members forming chambers connected with the respective openings and having openings to atmosphere therefrom, and a sponge rubber disc in each of said turret member chambers.

2,452,723
SPARK ARRESTER SILENCER
Roland B. Bourne, West Hartford, John P. Tyskewicz, Hartford, and Arthur E. Chase, Elmwood, Conn., assignors to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application May 4, 1945, Serial No. 591,958
3 Claims. (Cl. 183—94)

1. A construction for reducing the back pressure of a substantially cylindrical chamber of the type in which the gas is introduced into the chamber in a direction so that the gas has a whirling motion in the chamber and is removed from the chamber through a coaxial outlet, comprising a baffle spaced from the end of the chamber opposite the outlet, an open ended frustum of a cone positioned between the baffle and the inner



end of the outlet, and one or more whirl breaking vanes within the cone.

2,452,724
SOAPMAKING PROCESS
George B. Bradshaw, Wilmington, Del.
Application June 5, 1945, Serial No. 597,661
4 Claims. (Cl. 260—417)

1. A continuous process for producing soap, which comprises continuously forming a water-in-oil type emulsion by continuously adding approximately stoichiometrical proportions of a concentrated, aqueous, caustic alkali solution and of lower alkyl esters of higher fatty acids to an agitated body of such an already formed emulsion maintained at a temperature of about 35° to 65° C. and containing from 10% to 25% of soap, passing this emulsion at the rate it is formed through an enclosed space in which it is maintained at a temperature of from about 100° C. to below 140° C. under autogenously developed pressure, until nearly complete saponification of the fatty acids has taken place, and then reducing the pressure on the reaction mixture as it emerges from said enclosed space sufficiently to evaporate off the major part of the lower alcohol and a substantial part of the water present therein, whereby said reaction mixture is cooled and a solid, soap of excellent commercial purity is obtained.

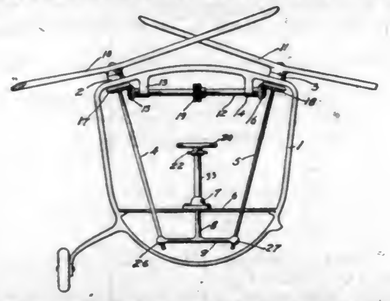
2,452,725
SOAPMAKING PROCESS
George B. Bradshaw, Wilmington, Del.
Application June 29, 1945, Serial No. 602,227
4 Claims. (Cl. 260—418)

1. A process for making soap which comprises saponifying a mixture of lower alkyl esters of higher fatty acids and an aqueous soap solution by adding caustic alkali to said mixture in several successive stages at temperatures between about 100° C. and about 120° C. under autogenous pressure and continued agitation, adding to the resulting, hot, saponification product a cool, dilute, aqueous solution of an electrolyte, thereby reducing the temperature of the resultant mixture to about 85° C., permitting said mixture to settle at atmospheric pressure, and then separating the neat soap from the nigre therein.

2,452,726
MULTIROTOR HELICOPTER WITH TILTABLE ROTORS
Conrad R. Buchet, Pasadena, Calif., assignor of one-half to Milton H. Lees, Jr., Pasadena, Calif.
Application July 16, 1945, Serial No. 605,230
10 Claims. (Cl. 244—17)
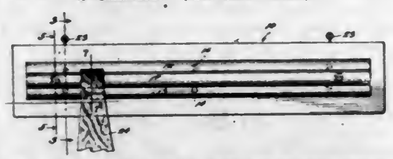
1. In a helicopter having a fuselage, two downwardly converging angularly adjustable shafts

arranged in a transverse vertical plane within said fuselage in one angular position thereof, rotors on the upper ends of said shafts above the fuselage, means for rotating said shafts in oppo-



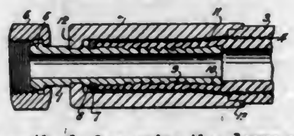
site directions, and a control element manually operable simultaneously to move the two shafts thereby to vary the angular relation of one shaft to the other.

2,452,727
TIE RACK
George C. Burton, Washington, D. C.
Application July 3, 1947, Serial No. 758,915
2 Claims. (Cl. 211—124)



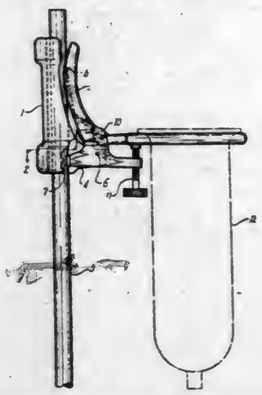
1. A supporting rack of the character described, an elongated base adapted to be secured to a supporting surface, two fixed clamp elements of circular cross section secured to the forward side of said base and disposed longitudinally thereof and in parallel, abutting engagement, a rod of circular cross section engaging uniformly against the outer portions of said fixed clamping elements and extending into the outwardly opening cavity therebetween, and resilient means for connecting said rod to the base and for yieldably mounting said rod relatively to said fixed clamping elements and for movement in directions toward and away from the fixed clamping elements, said resilient means comprising contractile coil springs disposed adjacent the ends of the base, fixed clamp elements and rod, said base and fixed clamp elements being provided with aligned bores to receive said springs, and means for anchoring the ends of the springs to said rod and base.

2,452,728
COUPLINGS FOR FLEXIBLE HOSE
Edward Charles Carling, Stoke Newington, London, England
Application December 23, 1944, Serial No. 569,615
4 Claims. (Cl. 285—84)



1. The method of securing the sleeve and insert of an end fitting to a braided rubber hose which comprises removing the outer covering of rubber on the braid at an end of the hose, so providing a metal abutment extending between the sleeve and insert that the abutment is positioned against axial movement in a direction away from the inner end of the insert but is free to deform, the insert and the sleeve having surfaces to interlock in introducing the prepared end of the hose between the sleeve and insert and up to the abutment, and in then progressively reducing the sleeve in a direction towards the abutment to secure the hose in position and to bring the interlocking surfaces into position to lock the sleeve and insert to one another.

2,452,729
MERCURY LEVELING CLAMP
George W. Carlson, Bridgeville, Pa., assignor to Burrell Technical Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1944, Serial No. 560,811
1 Claim. (Cl. 248—125)



A mercury leveling clamp comprising a bifurcated bracket having a V-shaped groove for engaging a vertical slide rod, a lever pivotally mounted on the bifurcated end of said bracket, one arm of which constitutes a handle portion and the other arm a gripping portion, the handle portion being provided with a groove, a spring having one end secured to said lever and extending along the handle portion for engaging the slide rod, said spring being displaceable in the groove of said handle portion and functioning to normally bias the lever into contact with said slide rod at the gripping portion thereof, and a container support pivotally mounted on and extending horizontally away from the gripping portion of said lever whereby the weight on said support is fulcrumed on the gripping end of said lever.

2,452,730
LIQUID FILLED DICE AGITATOR
Albert C. Carter, Cincinnati, Ohio, assignor of one-half to Abe Buchmann, one-fourth to Julius Mintz, and one-fourth to Max E. Levinson, all of Cincinnati, Ohio
Application September 23, 1944, Serial No. 555,441
3 Claims. (Cl. 273—145)

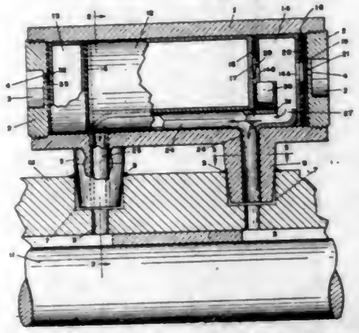
2. In an amusement device the combination of a closed chamber having an opaque side wall, a transparent end wall for the chamber, a substantially opaque liquid filling the chamber, a buoyant, multi-faced member immersed in the liquid and having an overall, exterior color substantially that of the liquid, and indicia on the

faces of the member, said indicia having a color contrasting with that of the liquid and said faces, whereby only the indicia on the upper most face



of the member is distinguishable through the end wall when said device is operated to present the member beneath the said end wall.

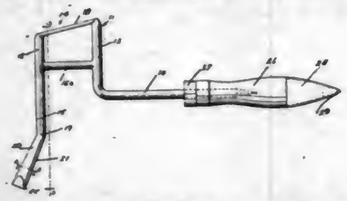
2,452,731
HOTBOX COOLER
Sam W. Clutton, Missoula, Mont.
Application March 8, 1946, Serial No. 652,952
5 Claims. (Cl. 184—1)



2. A device of the character described comprising a horizontal casing having removable closures for its ends, necks extending downwardly from said casing and adapted to be secured in openings formed in a journal box, an oil reservoir in said casing, a drum in the casing between the reservoir and one end of the casing, the end of the reservoir confronting said drum being formed with an outlet closed by a plug of fusible metal, a discharge pipe extending from said drum along the reservoir and having branches entering the necks for delivering oil to the journal box when the plug is melted in response to predetermined temperatures of an overheated journal box, the drum and the closure for the adjoining end of the casing being formed with air inlet openings, and an auxiliary reservoir for an odorous material disposed in the casing at the opposite end of the oil reservoir from said drum and normally closed by a plug of fusible metal.

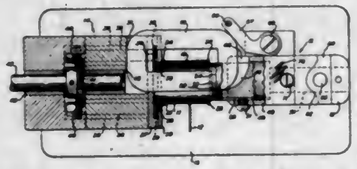
2,452,732
HAND CULTIVATING TOOL
Leon M. Coles, Port Chester, N. Y.
Application October 22, 1945, Serial No. 623,667
4 Claims. (Cl. 97—61)

1. In a garden tool, a handle shank portion, a double-bent portion located radially of said shank portion and including a bight portion and inner and outer substantially parallel arms continuing from said shank portion, a brace and hand portion connecting said arms between said bight portion and a point in the plane of the longitudinal axis of said handle shank portion, an extension continuing from the free end of the outer arm of said double-bent portion radially beyond and substantially perpendicular to said handle shank portion, said extension radially beyond said



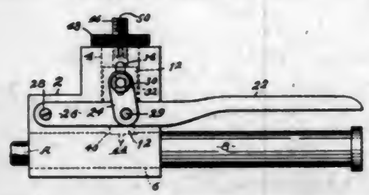
handle shank portion offset in directions laterally of and longitudinally beyond said handle shank portion, said offset extension portion having a cutting edge at one of its longitudinal edges, and said bight portion having cutting edges at its longitudinal edges.

2,452,733
WINDING MACHINE
Robert M. Conklin, West Newbury, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 8, 1946, Serial No. 701,871
7 Claims. (Cl. 242—4)



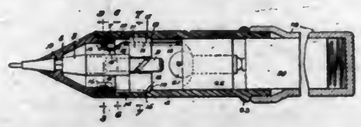
1. A machine for winding a coil on a closed metallic core having a split tube forced around one side of the core and having a notched end, the machine comprising a driving head including a gear with an open portion to receive the core and projections adjacent its inner periphery to interengage the notched end of the tube to form a driving connection with the tube, and means to drive the gear to rotate the tube to wind a coil on the tube.

2,452,734
INSULATION CUTTER
John F. Costelow, Kansas City, Mo.
Application October 26, 1945, Serial No. 624,820
4 Claims. (Cl. 30—91)



2. An insulation cutter comprising a frame provided with a recess and a bore which latter extends longitudinally through the frame, guide means secured in said bore and provided with an aperture registering with an aperture extending from the bore to the recess, a blade holder in said recess, and a blade carried by said blade holder adapted to project through said apertures into the path of insulation on a cable being drawn from said guide means.

2,452,735
PENCIL WITH INTERNAL ILLUMINATING MEANS
John J. Devine, Middletown, Conn.
Application October 1, 1945, Serial No. 619,461
3 Claims. (Cl. 120—18)

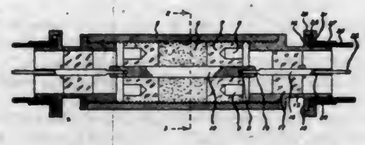


1. In an internally illuminated pencil, a tubular transparent casing constructed of yieldable material, a rotatable transparent cap closing one end of the casing, a lead projecting and retracting means secured to the cap, extending into the casing, said lead projecting and retracting means including a screw and a member rotated by rotation of the cap, lighting means disposed at the rear of the lead projecting and retracting means, a retaining plate secured to the inner end of the screw directly in front of the lighting means, said retaining plate having notches formed in the ends thereof, and lugs on the inner surface of the casing extending into the notches removably securing the retaining plate and lead projecting and retracting means in position within the casing.

2,452,736
METHOD OF TREATING OIL WELLS
Allen G. Eickmeyer, Salt Lake City, Utah, assignor of one-fourth to Charles M. McKnight, Tulsa, Okla.
No Drawing. Application August 28, 1945, Serial No. 613,226
4 Claims. (Cl. 252—8.55)

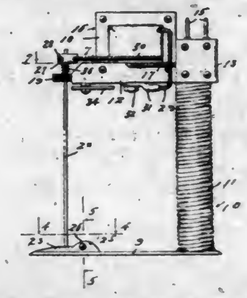
3. The method of treating an oil well which consists of subjecting the porous strata adjacent the well and consisting wholly or in part of calcareous material to a fatty acid containing at least ten carbon atoms to render the porous strata preferentially oil wettable and water repellant.

2,452,737
RESISTOR
Albert S. Eisenstein, Cambridge, and Kenneth J. Germeshausen, Newton Centre, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 21, 1944, Serial No. 527,498
2 Claims. (Cl. 201—63)



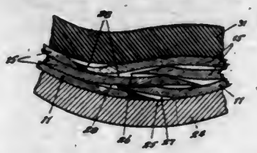
1. A non-inductive resistance comprising an internally threaded outer metallic sleeve, an externally threaded annular resistance element disposed within said sleeve and in threaded engagement therewith, and a central conductor disposed axially within and in conducting contact with said sleeve and extending through said resistance element.

2,452,738
ELECTRIC MARKING DEVICE
Clayton M. Elstad, Minneapolis, Minn.
Application April 2, 1947, Serial No. 738,967
1 Claim. (Cl. 219—29)



In a device of the class described, a base, an upright handle on the base, a housing having primary contacts, a long horizontally disposed support extending forwardly over the base and having at its outer end an insulating guide, an upright resistance marking element having its lower end secured to the base and its upper end portion held by the guide, and two secondary contacts, one of which is on the marking element, said marking element being substantially unobstructed throughout its entire length and spaced materially from the handle for the insertion of a stack of tongue-shaped pieces of goods formed by an indentation cut in the goods, the insertion of the goods between the handle and the marking element positioning the marking element in the indentation, whereby the goods may be marked by forward, rearward or lateral movement of the marking element by the device.

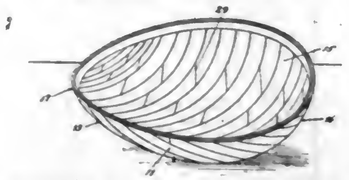
2,452,739
METHOD OF FORMING HOLLOW LAMINATED STRUCTURES
Sherman M. Fairchild, New York, N. Y., assignor, by mesne assignments, to William B. Scarborough, as trustee
Application November 27, 1943, Serial No. 512,009
7 Claims. (Cl. 154—110)



6. The art of fabricating suitable material into a structural assembly having surfaces of compound curvature, which comprises forming the material into flat elongated strips having substantially straight side and end edges; bevelling the side and end edges of the strips to be adhered together; applying adhesive to the strips; placing the strips in side by side relationship on a rigid curved die surface of predetermined contour conforming with the desired contour of the surface of the structure; overlapping proximate bevelled edges of adjacent strips; securing at least one

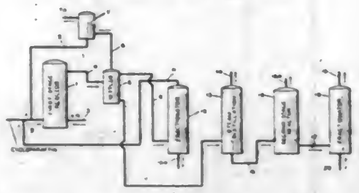
end of each strip with respect to the die surface leaving the remainder of the strip free to shift; applying fluid pressure directed normal to the die surface at all points in its area to press the material thereagainst to cause the strips to adjust themselves to the contour of the die surface and the overlaps to shift simultaneously from their original extents to extents they assume under the applied pressure and after adjustment on the die; and adhering together contacting surfaces of adjacent strips while under pressure.

2,452,740
MOLDED STRUCTURE
Sherman M. Fairchild, New York, N. Y., assignor, by mesne assignments, to William B. Scarborough as trustee
Original application November 27, 1943, Serial No. 512,009. Divided and this application June 27, 1945, Serial No. 601,876
3 Claims. (Cl. 20—89)



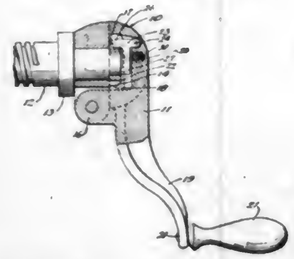
1. A structural assembly, comprising strips having substantially straight edges, the edges of the strips being bevelled, the several strips being arranged in pairs, each pair extending from border to border of the assembly, the strips of each pair being arranged end to end, with proximate ends overlapping, the pair being arranged side to side with proximate sides overlapping, the overlapping ends and sides forming joints adhesively secured together, the thickness of the assembly at joints being irregular and comprising the additive thickness of the several overlapping edges, the structure having one surface of regular smooth contour, irregularities resulting from variations in thickness of the material at joints being additive towards the opposite surface.

2,452,741
PRODUCTION OF DIBASIC ACIDS
Harold W. Fleming, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 28, 1947, Serial No. 737,973
10 Claims. (Cl. 260—533)



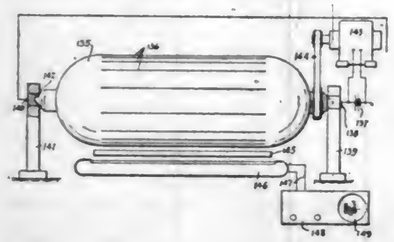
8. A process for the production of dibasic aliphatic acids which comprises oxidizing a cycloparaffin in liquid phase with gaseous oxygen to form a mixture containing a non-aqueous phase comprising cyclic ketones and cyclic alcohols and an aqueous phase comprising aliphatic hydroxy acids and lactones, separating said aqueous phase from the non-aqueous phase and further oxidizing said aqueous phase at a temperature of 50 to 90° C. with gaseous oxygen to form the corresponding dibasic acids.

2,452,742
CRANK DEVICE
Robert D. Franzene, Lake Geneva, Wis., assignor to Henry Hildebrandt, Chicago, Ill.
Application June 14, 1945, Serial No. 599,433
2 Claims. (Cl. 74—548)



1. A crank device which comprises a shaft having a slotted head, a bearing rotatably secured to the shaft adjacent the head, and a crank pivotally secured to the bearing and having a head engaging means in a recessed portion thereof, said means including a key pivotally secured within the recess and adapted to mesh with the slotted head, and spring means bearing against the key and tending to force the key out of engagement with the head.

2,452,743
SYMPHONIC INSTRUMENT
Antonio Fuschi, New York, N. Y.
Application December 14, 1942, Serial No. 469,023
4 Claims. (Cl. 84—1.18)



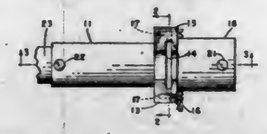
1. In a sound reproducing apparatus a flat, stationary record comprising a sound track having a plurality of adjacently arranged sections each carrying a photographic record of a sound, a rotatable cylinder, a source of light within said cylinder, a light sensitive cell, said cylinder having at least one transparent slit providing means for intermittently directing light from said source through said sections of said sound track and upon said cell, and means for controlling passage of said light through said sections, said controlling means comprising a plurality of shutters one for each of said sections and a plurality of respective keys for actuating said shutters selectively, and sound volume control means operable by said keys, and means for producing sound in accordance with variations in output of said cell.

2,452,744
FLOOR CLEANING MACHINE
John W. Gardner, Richmond Hill, N. Y.
Application June 6, 1945, Serial No. 597,870
1 Claim. (Cl. 242—55.2)



In a frame having a front end and a rear end and including a pair of spaced parallel upright side members extending substantially the length of the frame, the rear end of one of said members having a horizontal bore, the rear end of the other of said members having the lower corner thereof cut out thereby providing a rearwardly extending tongue from the upper portion of said other of said members with said tongue positioned above said cut out, said tongue having a flat bottom surface, said other of said side members having an additional cut out extending through the underside of said tongue at the base thereof and upward and forward to provide a second rearwardly extending tongue on the lower edge thereof, said last-named tongue having a substantially semicircular recess cut down into the upper surface thereof in alignment with said bore, a drum having a pin on one end registering in said bore and having a staff on the other end removably resting in said recess, a leaf spring having one end secured to said flat bottom and extending forward into said last-named cut out and contacting the upper surface of said staff thereby normally urging said staff into said recess.

2,452,745
STILL PICTURE ATTACHMENT FOR MOVING PICTURE PROJECTORS
Herman Getter, Bronx, N. Y.
Application April 3, 1946, Serial No. 659,372
1 Claim. (Cl. 88—28)



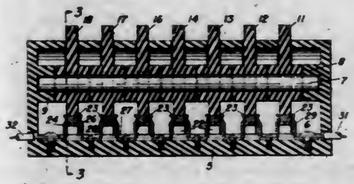
An attachment for motion picture machines, comprising an inner cylindrical section detachably secured, at one end, to a projector of a motion picture machine, a block element having a vertical slot, a horizontal slot and a central opening formed therein, secured to the opposite end of said inner cylindrical section, the said opening being concentrically aligned with the said inner cylindrical section, an outer cylindrical section concentrically attached to the said block element and a lens holding cylinder having lenses therein and slideable within the said outer cylindrical section, the said vertical slot in said box element adapted to receive and guide a motion picture film therethrough and hold same stationary therein to permit a single picture projection, and the said horizontal slot in said box element adapted to receive a single framed stationary picture for projection therefrom.

2,452,746
AERIAL TOY
Emil J. Giara, Mobile, Ala.
Application February 20, 1945, Serial No. 578,835
3 Claims. (Cl. 244—155)



2. A toy device of the character stated comprising a parachute, a hook attached thereto for connection with a kite string, and a body designed to be secured on the kite string to effect the disconnection of the hook from the string as the hook moves therealong, comprising a head portion in the form of a substantially flat member having a central opening through which the kite string is adapted to pass whereby said flat member lies in a plane perpendicular to the string, and a plurality of relatively long substantially triangular vanes connected with said head member and extending therefrom longitudinally of the string in the direction from which the hook approaches on the string, said triangular vanes being spaced around the kite string and having the tapered lower ends in close proximity to the string whereby said hook may ride up along the edge of a vane, the vanes and head member being turnable on the string under the weight of the hook and parachute, to throw off the hook from the vane.

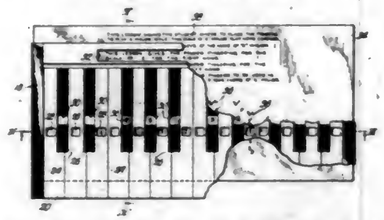
2,452,747
MULTIPLE SWITCH
Charles Frank Gomez, San Francisco, Calif.
Application October 20, 1947, Serial No. 780,958
1 Claim. (Cl. 200—43)



A multiple switch, including a casing, a shaft positioned in said casing, a plurality of spaced contacts mounted in said casing and in parallel

alignment with said shaft, parallel stops formed in said casing and on opposite sides of said aligned contacts, a plurality of disks mounted on said shaft, each of said disks having a bridging piece formed therein, and capable of being moved through the rotation of said disks into and out of engagement with adjacent contacts, each of said disks having a shoulder formed thereon for abutment against said stops.

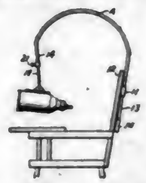
2,452,748
MUSIC INSTRUCTION DEVICE FOR USE WITH THE PIANO
David Grosch, Kansas City, Mo.
Application November 8, 1943, Serial No. 509,352
1 Claim. (Cl. 84—473)



A piano instruction device of the character described comprising a holder of sheet material having a pictorial illustration of a portion of the piano keyboard on one face thereof, said illustration including a row of white keys and a row of black keys, and apertures formed through the sheet material in the areas defining each key of the illustrated portion of said keyboard, there being one aperture for each key respectively; and a single chart having indicia thereon, shiftably mounted on the holder in positions where certain of the said indicia are exposed to view through certain of the apertures, the apertures in the areas occupied by the black keys being in alignment across the holder, the apertures in the areas occupied by the white keys being in alignment across the holder, the line of apertures in the black key areas being offset from the line of apertures in the white key areas, the indicia on the chart being grouped with respect to the position of the two lines of apertures, said indicia being of a character to teach the order in which the corresponding keys of the piano keyboard are to be struck, said holder being provided with an elongated window adjacent the normally uppermost longitudinal, marginal edge thereof through which particular areas of the chart are viewable when certain indicia are exposed to view through the said apertures, said particular areas having explanatory matter applicable to the indicia showing through the apertures when the explanatory matter is viewable through the window said chart being frictionally held in position by the sheet material holder, said holder being of flat, tubular form presenting two planar, superimposed walls to receive the chart therebetween, said chart being shiftable within the said tubular holder in directions parallel with the longitudinal length of said keys.

2,452,749
NURSING BOTTLE HOLDER
Nicholas W. Guden, Chicago, Ill.
Application May 3, 1946, Serial No. 667,196
4 Claims. (Cl. 248—104)

1. A bottle holder comprising an upright standard mounted for swinging adjustment only, said standard having a downturned upper end with a terminal portion of said end straight and hollow, a rod telescopically entered in said hollow end and endwise adjustable in the same, a clamp on the end of said straight portion for securing said rod in adjusted position in said end, the exposed end of said rod being flattened and scored, a casing for receiving a nursing bottle, said casing comprising a substantially cylindrical member of transparent plastic material having a bottle neck restricting collar at one end and a hinged latchable end plate at the other end to prevent escape of pieces of the bottle should the bottle break while in said casing and at the same time pro-



viding full visibility of the encased bottle, a rib along the cylindrical portion of said casing and integral with it, two jaw members having portions for engaging said rib and having flattened wing portions for contacting the flattened end of said rod on each side of the same, a bolt through registering apertures in said end and said wing and threaded in one of said wings to secure the jaw members to the rod in angularly adjusted relation and also to engage the casing rib anywhere along its length whereby the encased bottle may be positioned at a height and inclination as will be most convenient for the user.

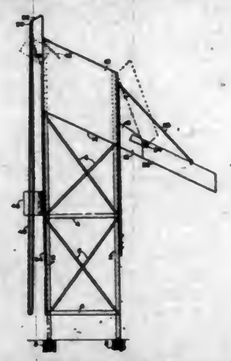
2,452,750
SUPPLEMENTAL THERAPEUTIC FOOD
Thomas W. Halliday, Los Angeles, and Glenn H. Joseph, Corona, Calif.; said Joseph assignor, by mesne assignments, to said Halliday
No Drawing. Application September 3, 1941, Serial No. 409,364
6 Claims. (Cl. 99—132)

5. A process for the preparation of a supplemental food product comprising solubilizing in situ a major proportion of the pectinous component of a pectinous source material, tempering said solubilized material, mixing therewith an oleaginous substance as a lubricating material to improve the subsequent shearing of the treated material, and finally simultaneously shearing and flaking the so treated material to form very thin fiber-disrupted flakes containing soluble pectin and readily hydratable cellulose.

2,452,751
APPARATUS FOR RECEIVING AND DUMPING REFUSE
Warren D. Hardy, Roanoke, Va.
Application November 6, 1946, Serial No. 708,088
1 Claim. (Cl. 214—120)

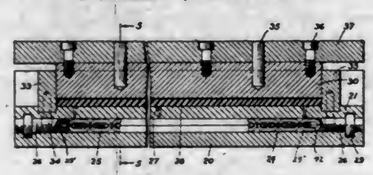
In a domestic refuse elevator, the combination which comprises a vertically disposed frame rectangularly shaped in plan having posts at the four corners supported by suitable bracing elements, a hopper having a sloping floor with sloping sides and having a longitudinally disposed partition therein dividing the interior into separate sections, said hopper supported by the frame in spaced relation above the ground, a plurality of vertically disposed parallel rails providing upwardly extending tracks on the side of the frame corresponding with the high side of the hopper, a

supporting bar suspended above the upper end of the hopper and extended laterally to bridge the said tracks, a pulley block slidably mounted on the bar, a carrier having a bail on the upper end and extensions on one side positioned to coact with the rails of either of the tracks whereby the rails hold the carrier against outward movement away from the frame, trips at the upper ends of each of said tracks for actuating the carrier to dumping po-



sition, as the carrier reaches the upper ends of the tracks whereby the contents of the carrier are dumped into the sections of the hopper respectively, a common chute pivotally mounted on the lower side of the hopper and positioned to receive materials from each section thereof, gates in the sections of the hopper and on the low side thereof, and suitable cables for operating the carrier, chute and gates of the hopper.

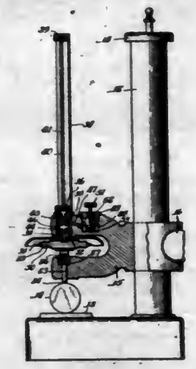
2,452,752
METHOD OF MAKING ELASTIC CHAINS
William Hartranft, Palmyra, N. Y., assignor to Elastic Chain Company, Bratenahl, Ohio, a firm
Application January 13, 1947, Serial No. 721,862
5 Claims. (Cl. 18—59)



3. The method of manufacturing an elastic device which comprises placing a chain in a receptacle with the chain in fully contracted position, injecting an elastic medium into said receptacle and in and around the links of the chain, and allowing the elastic medium to adhere to the chain while holding the chain so contracted.

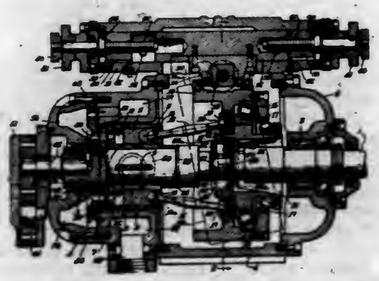
2,452,753
COMPARATOR GAUGE
Claude M. Hathaway, Denver, Colo.
Application October 13, 1945, Serial No. 622,215
1 Claim. (Cl. 33—147)

In a comparator gage having an anvil, a vertical column and adjustably positioned arm on said column, the combination comprising a pair of concave corrugated metal diaphragms connected together at their peripheries to form a liquid chamber and adapted to be moved by objects to be gaged to decrease the volume of said chamber, a support mounted on said arm, said support being connected only to the central portion of the top diaphragm to hold said chamber in a position depending from said arm to permit



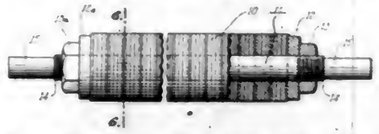
free movement of the periphery of said chamber, and a protective guard mounted between said arm and said chamber and extending beyond the periphery thereof, said guard being spaced away from said chamber except adjacent the center thereof.

2,452,754
VARIABLE POWER TRANSMISSION
Rudolph E. Herrstrum, Rockford, Ill., assignor to Rockford Machine Tool Company, Rockford, Ill., a corporation of Illinois
Application February 21, 1944, Serial No. 523,188
11 Claims. (Cl. 74—60)



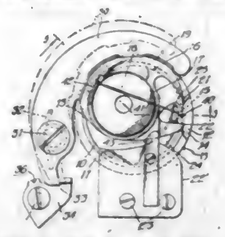
1. In a variable power transmission, the combination of a casing, a rotary shaft therein, a cylinder barrel fixed to said shaft and having cylinders disposed in a series around the shaft with their axes extending longitudinally with respect thereto, pistons in said cylinders, a bearing ring supported on said casing and encircling the shaft and disposed with its axis oblique to the shaft axis, a swash plate carried by said ring for rotation about the axis of the ring, piston rods connecting said swash plate with the several pistons, and a drive connection between said swash plate and the shaft comprising a pair of projections extending radially from opposite sides of the shaft, the swash plate having a central opening with inwardly facing longitudinal slots in which said projections are respectively engaged, and anti-friction means transmitting the driving torque from said projections to the swash plate.

2,452,755
COMPRESSED LAMINATED MACHINE ROLL
Paul R. Heygel, Asheville, N. C., assignor to Ecusta Paper Corporation, a corporation of Delaware
Application June 19, 1945, Serial No. 600,369
4 Claims. (Cl. 242—68)



2. A compressed, laminated machine roll comprising a central shaft of comparatively small diameter, and an annular plywood body carried by said shaft, said plywood body being composed of a plurality of annular plywood blanks mounted with the course of the grain in said blanks disposed transversely on said shaft and then highly compressed to a dense mass.

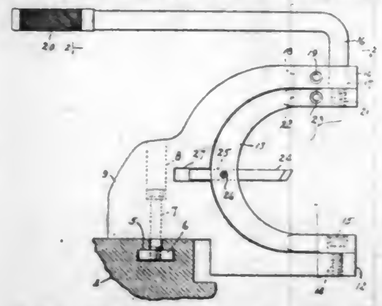
2,452,756
SEWING-MACHINE HOOK MECHANISM
Richard K. Hohmann, Jamaica, N. Y., assignor to White Sewing Machine Corporation, Cleveland, Ohio, a corporation of Delaware
Application January 15, 1945, Serial No. 572,931
6 Claims. (Cl. 112—228)



1. A sewing machine mechanism, comprising in combination a loop taker element turning about a vertical axis and having a bobbin holder seat at its upper side including an uprising rib portion of said element extending circularly about said axis, and a bobbin holder element normally held in engagement with said seat by gravity and vertically movable toward and away from said seat, and formed with a groove in the form of an arc extending circularly about said axis for substantially less than 360°, and entered by said rib, said bobbin holder element having a peripheral portion cut away to form horns separated by a notch and at least one of which is angularly displaced about said axis from said groove and extends over said rib whereby the latter restricts the downward displacement of said horn, and a stationary needle guide extending through said notch and cooperating with said horns to restrict angular movement of the bobbin holder element about said axis in either direction.

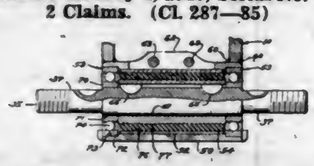
2,452,757
LATHE RADII ATTACHMENT
Warren B. Holdridge, Los Angeles, Calif.
Application September 10, 1945, Serial No. 615,300
2 Claims. (Cl. 82—12)

1. A radii attachment for lathes and like machines comprising a generally C-shaped frame formed with vertically spaced parallel arms and with an intermediate projection extending in a direction opposite to the arms, said projection having a hole therethrough for a securing bolt engaged with a support for adjustably fastening the attachment to said support, the lower of said arms being provided with a screw-tapped seat and the upper arm with a smooth bore aligned with said seat, said upper arm, also, having a vertical through slot extending from the smooth bore inwardly of the upper arm and a transverse screw-receiving hole having internal screw threads in said upper arm on one side of said slot, a transverse screw in said latter hole for effecting contraction of the slot and, therefore, of the smooth bore, a tool-holding C-shaped member having a nesting position in the C-shaped frame and formed with vertically spaced parallel arms generally coextensive with the arms of the frame, the lower arm of the tool-holding member having a bore aligned with the threaded seat of the lower



arm of the frame, a lower pivot screw having a cylindrical head in the latter bore and its threaded shank in said seat, the upper arm of the tool-holding member having an internally threaded hole and a vertical connecting slot aligned with the smooth bore and connecting slot in the upper arm of the frame, a transverse screw similar to the above-mentioned transverse screw in said upper arm of the tool-holding member for effecting contraction of the slot and internally threaded hole, and a handle having a threaded end in said internally threaded hole and extending through the aligned smooth bore to form an upper pivot aligned with the lower pivot screw, whereby swinging movement of the handle will cause swinging movement of the tool-holding frame on its pivots, and whereby contraction of said smooth bore to frictionally grip the handle will lock the tool-holding member against movement.

2,452,758
VEHICLE FRAME JOINT
Hugh A. Hutchins, Arcadia, Calif.
Application February 1, 1946, Serial No. 644,886
2 Claims. (Cl. 287—85)

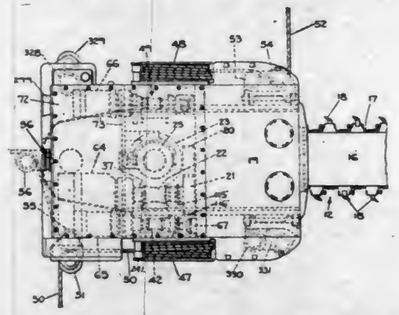


1. A pivotal connection between two members including, a split housing fixed to one member, a case arranged in the housing, means clamping the housing onto the case, a sleeve fixed to the other member, bearing means mounting the sleeve centrally in the case and for relative rotation between the sleeve and case, and a body of shock absorbing material between and fixed to the case and sleeve.

2,452,759
INSECTICIDE CONTAINING METHYLATED NAPHTHALENE AND 4,4' DICHLORO-DIPHENYL-TRICHLOROETHANE
Julius Hyman, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 22, 1944, Serial No. 555,395
8 Claims. (Cl. 167—32)

1. An insecticide containing as active ingredients an insect toxic proportion of methylated naphthalene and 4, 4' dichloro-diphenyl-trichloroethane.

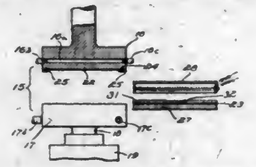
2,452,760
MINING MACHINE
Robert K. Jeffrey, deceased, late of Bexley, Ohio, by Florence H. C. Jeffrey, executrix, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 10, 1943, Serial No. 498,087
28 Claims. (Cl. 262—30)



1. In a mining machine, the combination with a supporting frame, of cutting mechanism mounted thereon, a motor connected to said cutting mechanism to drive the same, a feeding rope drum, a retarding rope drum, a rotary hydraulic motor operatively connected to said feeding rope drum, an additional rotary hydraulic motor connected to said retarding rope drum and constructed to operate also as a pump, a hydraulic system including a pump for supplying hydraulic pressure medium connecting said rotary hydraulic motors in series with each other and with said pump whereby the motor connected to the retarding rope may act as a pump to drive the other motor, and valve mechanism for controlling said hydraulic motors.

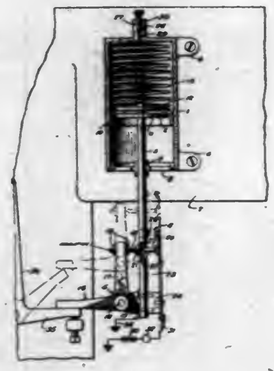
2,452,761
METHOD OF FORMING SLABS OF ORGANIC PLASTIC MATERIAL
Raymond S. Jesionowski, Hartford, Conn., assignor to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application February 16, 1944, Serial No. 522,602
7 Claims. (Cl. 18—47.5)

1. The method of forming an approximately rectangular slab of organic plastic material which comprises forming a charge of molding powder to a pattern selected to form said rectangular slab, said pattern being approximately that of a bow tie and having reentrant ends, placing said charge between parallel horizontal forming surfaces of a press, and subjecting the charge to heat and pressure in said press to reduce the material of the charge to a predetermined lesser thickness and causing unobstructed horizontal



flow of the material until said approximately rectangular slab is formed.

2,452,762
STOP LIGHT SIGNAL DEVICE
John Karow, De Forest, Wis., assignor to Sverre Quisling, Madison, Wis.
Application August 26, 1946, Serial No. 693,060
5 Claims. (Cl. 200—52)

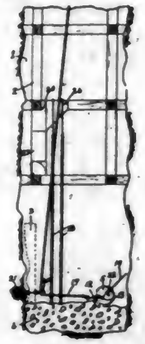


2. A signal control adapted to be operated by a portion of a motor vehicle fuel feeding control comprising, a switch having a movable arm, a reciprocable support for said switch, means on said support engageable by said portion of the motor vehicle fuel feeding control to open said switch and move said support, and means to retard the return movement of said support when the engagement with said portion of the motor vehicle fuel feeding control is broken.

2,452,763
MUCKING MACHINE FOR MINE SHAFTS
William E. Kindsvater, Paige, Idaho
Application January 27, 1947, Serial No. 724,545
5 Claims. (Cl. 214—120)

1. In a mucking apparatus, the combination with a frame erected in a vertical shaft being dug, a hopper carried by said frame and having a depending discharge chute, a track extending vertically in the shaft with its upper portion disposed along a wall of the hopper, said track having transversely spaced rails having hooks at their upper ends, a scoop having an inlet across its front, a yoke carried by said scoop and projecting forwardly therefrom, and a cable extending vertically in the shaft and having its lower end connected with the yoke, said cable constituting means for drawing the scoop forwardly in a filling motion and then upwardly along the track, and the hook at the upper end of the track constitut-

ing means for engaging through the inlet of the scoop and causing the scoop to tilt over the upper



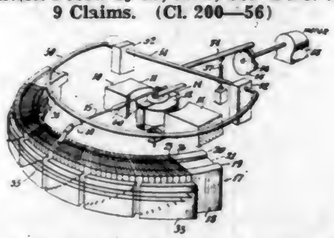
end of the track to a dumping position over the hopper.

2,452,764

SELECTABLE CONTACT TRANSMITTER MEANS FOR SENSITIVE INSTRUMENTS

John O. Kirwan, Bloomfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

Application February 19, 1947, Serial No. 729,564
9 Claims. (Cl. 200—56)



1. Electrical transmitter means comprising, in combination, a member adapted to be positioned at any place along a predetermined path, an array of regularly spaced contact bars along the path, said bars extending transversely of the path all at substantially the same acute angle thereto, said member being shaped at its end to fit between and against any pair of said bars, and said member being biased to remain clear of said bars, and depressor means for moving the member against the array of bars, to seat the end of the member between and in electrical contact with the pair of bars corresponding to the position of the member in the path, said member including resilient structure supporting its aforesaid end, to permit the latter to move transversely of the path to insure its being seated between bars, when the said end is urged against the bars by the depressor means.

2,452,765

MULTILAYER PHOTOGRAPHIC ELEMENT HAVING A MIXED GRAIN EMULSION AND PROCESS EMPLOYING IT

Edward B. Knott and Guy William Willis Stevens, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

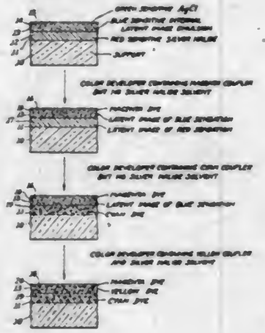
Application February 21, 1948, Serial No. 10,186
In Great Britain September 2, 1942
5 Claims. (Cl. 95—2)

1. A sensitive photographic element comprising a support having thereon two superposed emulsion layers, one of which layers is a red sensitive silver halide emulsion (II) a test portion of which upon exposure to light and development for 4 minutes at 20° C. in the following developer (IIb):

	Grams
Hydroquinone	12
N-methyl-p-aminophenol sulfate	3
Sodium sulfite, crystals	90
Potassium bromide	4
Sodium carbonate, crystals	150
Sodium thiosulfate, crystals	20
Water to 1000 ccs.	

gives a density along the $\log_{10}E$ axis of the characteristic curve which does not exceed the density at the same point along the $\log_{10}E$ axis obtained when an identical test portion of the light-sensitive silver halide emulsion (II) is exposed and developed for 4 minutes at 20° C. in the following developer (III):

	Grams
Hydroquinone	12
N-methyl-p-aminophenol sulfate	3
Sodium sulfite, crystals	90
Potassium bromide	4
Sodium carbonate, crystals	150
Water to 1000 ccs.	



and the other of which layers is a mixture of emulsions, one being a green sensitive silver chloride emulsion of the type (II) specified above, and the other a blue sensitive silver halide emulsion (I) a test portion of which last-mentioned emulsion upon exposure to a light intensity scale for a fixed time between 1/100 and 1 second and development for 3 minutes at 20° C. in the following developer (IIa):

	Grams
Hydroquinone	15
N-methyl-p-aminophenol sulfate	15
Sodium sulfite, anhydrous	50
Potassium bromide	10
Sodium hydroxide	25
Sodium thiosulfate, crystals	20
Water to 1000 ccs.	

gives a maximum density at least 5 times the maximum density obtained when the equally exposed identical silver halide emulsion is developed for 4 minutes at 20° C. in the following surface developer (I):

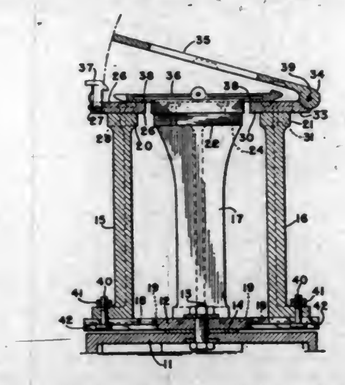
	Grams
p-Hydroxyphenylglycine	10
Sodium carbonate	100
Water to 1000 ccs.	

2,452,766

DEVICE FOR FRAMING LADIES' HANDBAGS

Sam Kolsky, Trenton, N. J.

Application March 26, 1946, Serial No. 657,245
2 Claims. (Cl. 154—1)



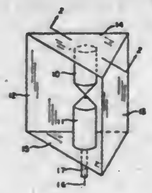
1. In a device for assembling ladies' handbags, comprising a base member revolvably mounted upon a supporting block, upright members slidable upon said revolvable base member, fins formed upon and depending from the base of said upright members slidably engaging in grooves upon said revolvable base member, screws upon said base member engaging through slots in said base member and through the base of said upright member to fix the said upright members in position, framing members attached upon said upright members and radially adjustable thereon, screws upon said upright members engaging through slots in said framing members to fix same thereon, and a holding and locking frame hinged to one of said framing members to hold in position a hinged handbag frame.

2,452,767

BROAD-BAND ANTENNA

John D. Kraus, Newton Center, Mass., assignor to the United States of America as represented by the Secretary of War

Application April 2, 1946, Serial No. 658,942
5 Claims. (Cl. 250—33.65)



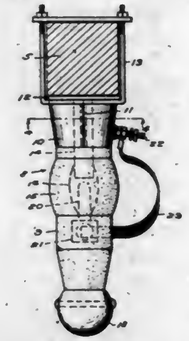
2. A broad-band plane polarized antenna assembly including a vertical corner reflector having a pair of side plates which meet to form a corner and a bottom plate and a top plate inclosing said corner, a center fed radiating element vertically oriented in said reflector adjacent the corner thereof with the ends of said element electrically connected to the top and bottom plates of said reflector whereby a sharply defined unidirectional antenna pattern is obtained when the length of said element corresponds to approximately one-half of a wavelength or more of the operating frequency and a bidirectional antenna pattern is obtained when the length of said element corresponds to approximately one quarter of a wavelength or less of the operating frequency.

2,452,768

TIRE DEFLATION OPERATED SWITCH

Edward H. Kuster, Del Ray Beach, Fla.

Application April 26, 1946, Serial No. 665,121
1 Claim. (Cl. 200—58)



A tire deflation signal device comprising an elongated cylindrical body portion of molded rubber having a spherical lower end, a metallic spherical wear resisting cover for the spherical end, a retaining pin passing through the cover and the spherical end, a metallic conical ferrule having inwardly pressed ribs and laterally extending oppositely directed attaching plates, said ferrule having the upper end of the body portion molded therein and around the said ribs, said body portion provided with a spherical bulb-like enlarged portion intermediate its ends, said bulb-like portion provided with a substantially concentric cavity therein, a centrally disposed contact element formed on the ferrule and extending through the body portion axially thereof and terminating in the said cavity, a centrally disposed contact element molded into the body portion and projecting upwardly in axial alignment with the first named contact and terminating in the said cavity in slightly spaced relation to the first named contact, the free end of the second named contact being rounded, a binding post carried by the ferrule and extending outwardly therefrom, a flexible braided electrical conductor soldered to the base of the second named contact and extending outwardly of the body portion for connection with the binding post, said binding post insulated from the said ferrule and U-shaped clamps for supporting the device upon the axle of a ground vehicle in proximity to its wheels.

2,452,769

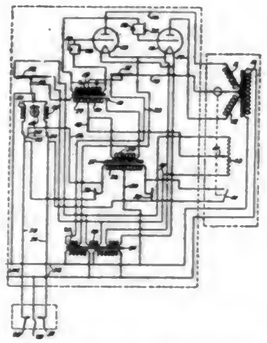
ELECTRIC MOTOR CONTROL SYSTEM

Karl A. Lang, Glenview, Ill., assignor to Lindberg Engineering Company, Chicago, Ill., a corporation of Illinois

Application February 19, 1944, Serial No. 523,036
9 Claims. (Cl. 318—28)

1. An electric control system comprising a reversible electric motor having a main winding and a pair of shaded pole windings, a bridge circuit having a pair of adjustable resistors, the motor being connected to one of the resistors to adjust it, a second reversible motor for adjusting the other resistor, means responsive to a

condition to be controlled to control the operation of the second motor, a pair of gaseous discharge tubes connected to the shaded pole windings respectively, a transformer having a pri-



mary winding connected across the bridge circuit and a center tapped secondary winding, the ends of the secondary winding being connected to the grids of the tubes respectively and the center tap being connected to the tube cathodes.

2,452,770
COCOA-SUGAR COMPOSITION
Louis Lang, New York, N. Y., assignor to The National Sugar Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 6, 1944, Serial No. 552,929
8 Claims. (Cl. 99—26)

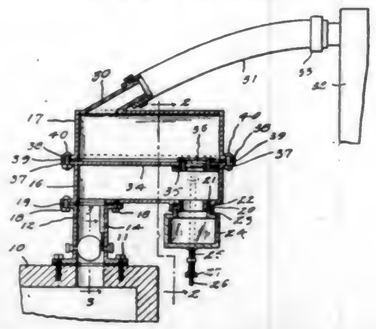
1. Process for the production of a cocoa product which comprises adding cocoa to a sugar syrup at a temperature of from about 250° to 320° F. with continuous beating, and continuing the beating until a dry, powdery product is obtained.

2,452,771
PICKER SPINDLE
Samuel W. La Rocque, Pawtucket, R. I., assignor to The La Rocque Mfg. Co., Inc., Pawtucket, R. I., a corporation of Rhode Island
Application April 14, 1945, Serial No. 588,358
4 Claims. (Cl. 139—158)



1. Means for lubricating a loom picker, comprising a hollow lubricant containing picker spindle having an air inlet vent and closed ends, diametrically opposite horizontally aligned orifice means adjacent the outer end thereof slightly interior of the outer throw of the picker to be covered by the picker at the outer end of its stroke having countersunk outer ends, and continuous yarn strand wick means extending diametrically across said hollow picker spindle on the lower wall thereof having ends projecting slightly radially beyond the outer surface of the picker spindle preventing flow when the picker is inactive, compressible against said countersink in opposite directions by the back and forth movement of the picker sleeve to squeeze lubricant from the ends of said wick means to increase the capillary flow thereof as the picker reciprocates in use.

2,452,772
FILTER
Henry Laughlin, Derry, Pa.
Application May 28, 1947, Serial No. 751,154
1 Claim. (Cl. 210—165)

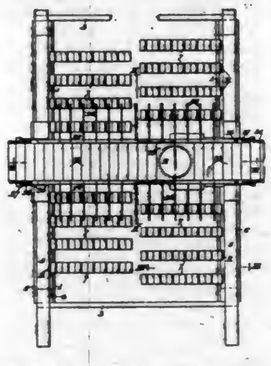


A filter for a flow line comprising a casing having upper and lower sections and a partition plate mounted horizontally between the said sections and providing upper and lower chambers in the casing, the upper section having an outlet at its top and the lower section having an inlet at its bottom adjacent one end thereof, said partition having an opening formed therein, a sleeve mounted through the opening of the partition and carrying filtering material for removing foreign matter from liquid passing through the sleeve from the lower chamber into the upper chamber, a neck extending downwardly from the bottom of the lower chamber about an opening formed therein near the opposite end of the lower chamber from its inlet, said neck being formed at its lower end with an annular recess, a gasket in said recess, a cup under the casing having an upwardly projecting neck fitting snugly into the recess and against the gasket, a U-shaped bracket having a bridge spaced downwardly from the cup and arms extending upwardly from ends of the bridge in spaced relation to opposite sides of the cup and the lower section of the casing and provided at their upper ends with pintles engaged in sockets at opposite sides of the said lower section and mounting the bracket for swinging movement longitudinally of the casing from a raised position to a depending position disposing the bridge under the cup diametrically thereof, said bridge having an enlargement midway its length formed with a threaded opening, and a threaded stem engaged through the threaded opening and disposed vertically under the cup with its upper end in pressing engagement with the bottom of the cup to hold the neck of the cup in compressing engagement with the gasket and form a tight joint when the bracket is in its lowered position.

2,452,773
CUTTING TABLE
David Levin, Brooklyn, N. Y.
Application June 1, 1946, Serial No. 673,865
13 Claims. (Cl. 164—73)

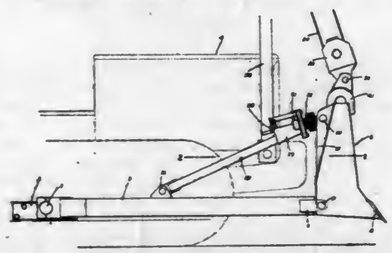
1. A cutting table comprising, a frame, a plurality of supports pivotally mounted in the frame, releasable means for holding the supports in work-supporting position, a carriage extending across the frame and movable longitudinally thereof, portions of the supports and the carriage top lying in a single plane to constitute a work-supporting table surface, a cutting tool mounting

on the carriage, and means on the carriage moving the supports out of the path of said carriage adjacent the carriage on the side toward which



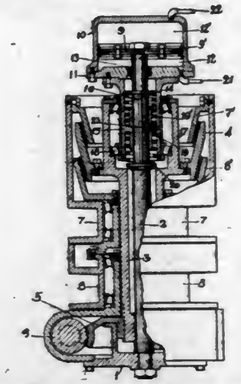
it is moved and returning the supports to said plane adjacent the carriage on the opposite side thereof.

2,452,774
ADJUSTABLE PUSH GRADER MOUNT
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application October 30, 1944, Serial No. 561,000
3 Claims. (Cl. 37—144)



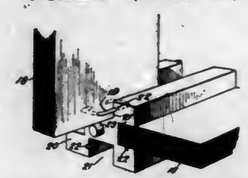
2. An adjustable push grader mount comprising a pair of transversely spaced, longitudinally extending push beams, means adapted to couple the push beams at their rear ends to the tractor on opposite sides thereof, said means coupling the push beams to the tractor for limited lateral rocking motion, a push grader blade disposed transversely ahead of the push beams, means pivotally connecting the blade adjacent its lower edge to the forward ends of the push beams, a compression bar unit pivoted to each push beam intermediate its ends and thence extending at a forward and upward incline, means pivotally connecting the blade adjacent its upper edge to the forward ends of the compression bar units, said compression bar units lying in the same vertical planes as the corresponding push beams and being free between the pivotal connections with said push beams and the blade, at least one of the compression bar units being selectively extensible so that differential lengthening thereof relative to the other compression bar unit causes tilting of the blade transversely of the direction of travel; there being an inwardly projecting rigid horizontal brace adjacent the outer end of each push beam, the outer end of each brace being pivotally connected to the blade adjacent its bottom edge.

2,452,775
MULTIPLE PNEUMATIC CLUTCH
Lawrence B. Lindsley, Los Gatos, Calif., assignor, by mesne assignments, to Wooldridge Manufacturing Company, Sunnyvale, Calif., a corporation of Nevada
Original application October 19, 1942, Serial No. 462,636. Divided and this application July 19, 1943, Serial No. 495,372
4 Claims. (Cl. 192—87)



1. In a pneumatic clutch control, a rotatable drive clutch element, a driven clutch element arranged on each side of the drive clutch element, a stationary shaft concentric with said elements, a reciprocable and non-rotatable member splined to said shaft, said reciprocable member rotatably supporting the drive clutch and adapted to move the latter into engagement with either of the driven clutches, spring means active on both sides of the drive clutch element for holding it in neutral position between the driven clutch elements, a non-rotatable casing mounted on the reciprocable member, a piston slidable in the casing and connected to the stationary shaft, and pneumatic means for actuating the non-rotatable reciprocable member in either direction of its reciprocatory movement for connecting the drive clutch element with either of the driven clutch elements.

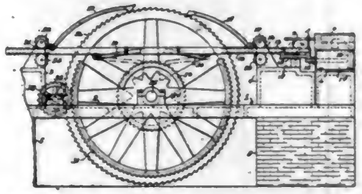
2,452,776
TOY MOVING PICTURE PROJECTOR
Thomas S. MacMechan, Sharon, Mass., assignor to Midgette Toy Company, Sharon, Mass.
Application February 14, 1945, Serial No. 577,876
3 Claims. (Cl. 88—19)



3. In a toy moving picture projector having a housing with side walls, a rotor journaled on said side walls and extending between same, said rotor formed with an axially disposed slot, a book comprising a plurality of picture bearing cards marginally secured, said marginally bound part proportioned to fit said axial slot, and elongated ridge and groove means associated with said marginal bound portion of the book and a side wall

of the slot respectively, extending lengthwise of the slot so as to permit sliding insertion of the bound portion of the book axially of the rotor and to positively prevent radial displacement of the book with respect to the rotor.

2,452,777
POWER TRANSMISSION
Norberto Martinez, Somerville, Tex., assignor to Horace Gonzales, Chicago, Ill.
Application August 29, 1945, Serial No. 613,285
1 Claim. (Cl. 74—129)



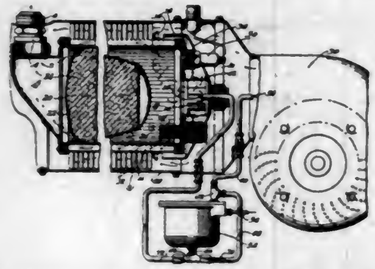
A transmission device, comprising a driving shaft, a ratchet wheel secured thereto, a driving spur gear secured to said shaft and spaced axially from said ratchet wheel, a reciprocating bar on each side of said ratchet wheel, means supporting the bars for reciprocating movement, a pivotally mounted lever, a pin and slot means connecting each end of the lever with one of said bars whereby oscillatory movement of said lever causes reciprocation of the bars in directions opposite to each other, a prime mover for oscillating said lever, a pair of pawl members offset from said bars, said pawl members being in alignment with each other and operable in the plane of said ratchet wheel to engage the same for alternatively driving the same, means pivoting one of said pawl members to one of said bars for bodily movement therewith and engaging said ratchet wheel for moving the same in one direction, means pivoting the other of said pawl members to the other of said bars for bodily movement therewith and engaging said ratchet wheel for moving the same in said one direction, whereby said ratchet wheel is uni-directionally driven, a power take-off shaft, a spur pinion on said power take-off shaft and meshing with said driving spur gear.

2,452,778
UNIVERSAL SWIVEL
Ralph C. Mathewson, West Pittston, Pa.
Application March 6, 1944, Serial No. 525,231
4 Claims. (Cl. 248—341)



1. A universal swivel coupling, comprising a body having an opening the body being shaped to provide a bearing ball raceway encircling the opening, bearing balls in said raceway, a ball resting on said bearing balls and having a stem extending through said opening, and a cap comprising a central portion encasing the upper part of the ball, an encircling flange secured to the body and a part intermediate the central portion and the flange and lying over and in close proximity to but spaced from the bearing balls and coacting with said raceway to maintain the bearing balls in operative position.

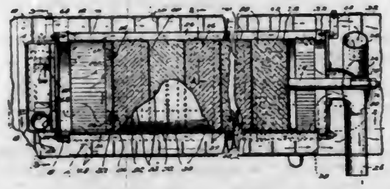
2,452,779
COMBUSTION HEATER HAVING AIR PREHEATING AND CARBURETING MEANS
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 19, 1943, Serial No. 476,430
1 Claim. (Cl. 158—28)



In a heater having a combustion chamber having a cylindrical wall and an end wall, and heat exchange means receiving hot products of combustion from the combustion chamber, the combination of a cup-shaped combustion air spinner attached to the end wall of the combustion chamber and in open communication with the combustion chamber, said spinner having a series of slots in the cylindrical wall thereof, an inwardly directed tongue associated with each of said slots to give the air passing therethrough a whirling motion, a plate spaced from the end wall and having a cylindrical portion in telescopic relation to and spaced from the cylindrical wall, said plate enclosing said spinner, means forming a jet delivering at the axial center of said spinner and at a point spaced from the base thereof, means for supplying a rich mixture of fuel and air to said jet, and means for supplying preheated combustion air to said spinner by forcing said air between said plate and the combustion chamber walls.

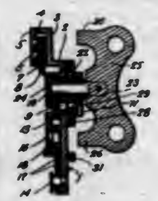
2,452,780
NONPULSATING INTERNAL-COMBUSTION HEATER
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 6, 1943, Serial No. 478,259
11 Claims. (Cl. 126—116)

9. A heater of the class described comprising a heat exchanger having inwardly open longitudinally extending gas channels on the inner periphery thereof, means forming a combustion chamber in direct communication with one end of said heat exchanger for supplying hot gases of combustion to said channels, means directly communicating with the opposite end of said heat exchanger and forming an outlet for exhausting said gases, a muffler concentrically disposed in said heat exchanger and confining to said channels the flow of hot gases from said combustion chamber to said exhaust outlet, means forming a plurality of compartments arranged in end to end relation lengthwise of said muffler, each compartment being sealed against direct communication



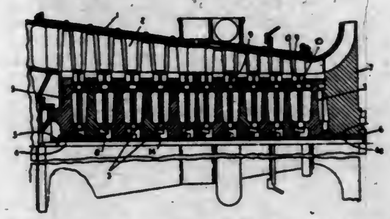
with an adjacent compartment and having a series of openings providing acoustic coupling between each compartment and the hot gases, the openings in any one compartment being positioned at points in the wall thereof subject to a pressure variable from time to time but of the same magnitude at each of said openings at any given time when the heater is operating, a sound absorbing material contained in said compartments, and means for directing ventilating air over said heat exchanger.

2,452,781
ROTARY TYPE CAN OPENER
Robert E. McLean, Fort Benning, Ga.
Application January 18, 1944, Serial No. 518,760
18 Claims. (Cl. 30—15)



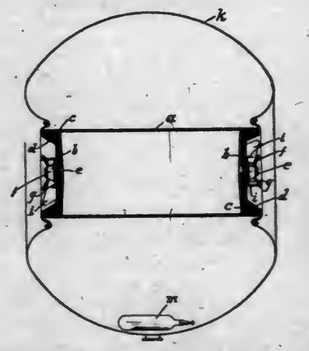
1. A rotary drive wheel type can opener comprising a body having a longitudinal opening, a cutter carried by the body, a rotary shaft extending through the body opening for movement lengthwise of the body, a member rotatably supported on the shaft, a driving wheel carried by the shaft for rotation thereby and for coaction with the cutter, means connected with and actuated by said member upon rotation thereof for effecting translational movement of the wheel and cutter, means for turning the shaft and wheel independently of the rotatable member, a trigger element slidably connected with and carried by the rotatable member for rectilinear movement, means for limiting said rectilinear movement, means for forming a driving connection between the trigger element and the shaft turning means upon turning the turning means to rotate the rotatable member, and means for releasing the trigger element from the shaft turning means upon rotation of said rotatable member in one direction to a predetermined extent.

2,452,782
CONSTRUCTION OF ROTORS FOR COMPRESSORS AND LIKE MACHINES
Roderick Cristall McLeod, Cropston, and Geoffrey Bertram Robert Felliden, Lutterworth, England, assignors to Power Jets (Research & Development) Limited, London, England
Application January 15, 1946, Serial No. 641,305
In Great Britain January 16, 1945
8 Claims. (Cl. 230—134)



1. A rotor for a multistage axial flow compressor, turbine, or like machine, comprising a plurality of axially spaced substantially disc-type wheels each having peripheral blade root anchorages formed by seating recesses extending axially from side to side thereof, at least one row of blades fabricated separately from the wheel and having roots engaged in said recessed anchorages with said wheels taking the whole centrifugal load of such blading, said blade roots and seatings having complementary axially extending blade retaining formations permitting axial entry and removal of the blades to and from said seatings, a tensioning element lying on the axis of rotation surrounded by said wheels and separably holding said wheels together by compressive stress, abutment means located radially inwardly of the blade roots but near the wheel peripheries and transmitting the whole of such compressive stress, and shroud rings between the peripheries of adjacent wheels to fill the spaces between adjacent blade rows and to locate said blades axially.

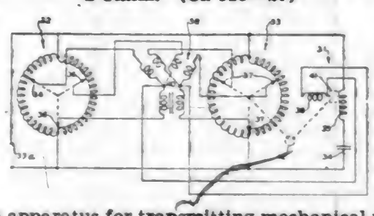
2,452,783
SHOCKPROOF AERIAL DELIVERY CONTRIVANCE
Robert J. Nebesar, Bristol, Va., assignor to Universal Moulded Products Corporation, Bristol, Va., a corporation of Delaware
Application October 13, 1945, Serial No. 622,205
4 Claims. (Cl. 244—138)



1. A shock-proof aerial-delivery contrivance that may be launched from an airplane and which comprises a supplies container and a collapsible

and inflatable bag of flexible and elastic material: said container comprising a tubular body, an end closure or closures therefor, said closure comprising a backing plate and an elastic packing adapted to be freely insertable into the end of the container, said packing having a relatively thin central portion and increasing in thickness toward its periphery so as to thereby provide a packing having a substantially frusto-conical outer face area, a thin dished-in cap conforming to and engaging the outer face of the packing and having a marginal extension curved outward over and spaced from the end edge of the tubular container and thence backward outside of and spaced from the end portion of the tubular container when the backing plate, packing and cap are inserted therein as specified, a central bolt in rigid relation with the backing plate and extending through the relatively thin central portion of the packing and through the center of the cap, and a nut on the bolt positioned in the recess formed by the dished-in cap and adapted to be tightened to expand the packing radially and axially to thereby effectually seal the closure; said bag being secured to said container between said packing and cap and together with said closure or closures completely sealing the bag from the atmosphere; and means to inflate the bag.

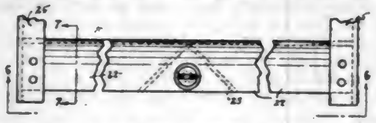
2,452,784
ELECTRICAL MOTOR CONTROL SYSTEM
Samuel Noodleman, Dayton, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application January 24, 1945, Serial No. 574,369
1 Claim. (Cl. 318—29)



In apparatus for transmitting mechanical position from a first point to a second point by electrical means, a first continuously variable autotransformer including a ring coil having three movable contacts thereon arranged in equally spaced relation, a second continuously variable auto-transformer including a ring coil having three movable contacts thereon arranged in equally spaced relation, star-arranged transformers coupling the movable contacts of said first transformer respectively with the movable contacts of said second transformer, a source of alternating current connected to the ring coils of said first and second transformers at opposing points of each such coil, a drive motor having its armature mechanically coupled to the contacts of said second transformer, means responsive to a voltage established at the common terminals of said star-arranged transformers for energizing said drive motor whereby it displaces the contacts of said second transformer to a position of correspondence with the contacts of said first transformer.

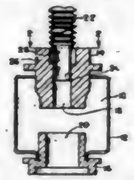
2,452,785
TRAILER HITCH
William H. Olney, Youngstown, Ohio
Application October 17, 1945, Serial No. 622,907
6 Claims. (Cl. 280—33.44)

1. A trailer hitch consisting of a channel member having end plates affixed thereto so as to enable the said hitch to be positioned between frame members of a truck and attached thereto, said hitch including a guide member positioned in the channel member and forming an area for the



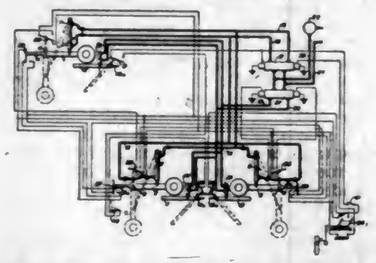
reception of a trailer tongue, openings formed in the said channel member within the area defined by the said guide member so as to provide for the insertion of a pin therethrough.

2,452,786
CATHODE STRUCTURE
Harry T. O'Neill, Taunton, Mass., assignor to the United States of America as represented by the Secretary of War
Application February 18, 1946, Serial No. 648,544
2 Claims. (Cl. 250—27.5)



1. An electronic device comprising a cathode unit including a plurality of filament wires spaced from one another and mounted in a generally cylindrical configuration, vertically spaced centrally-apertured metallic cooling members to which the upper and lower ends of said wires are respectively secured and a bellows having and end portion extending into the central aperture of one of the upper said metallic members and secured to the aperture thereof, said last-mentioned metallic member providing an annular space surrounding said end portion, said bellows being open to receive circulating water passing through the central apertures of said metallic members.

2,452,787
LANDING GEAR SYSTEM
Arthur C. Patch, Van Nuys, Calif., assignor to North American Aviation, Inc.
Application January 2, 1948, Serial No. 285
14 Claims. (Cl. 244—102)



1. A landing gear for aircraft adapted to be moved from and to a faired retracted position with respect to said aircraft and provided with fairing doors adapted to be closed when said landing gear is either fully extended or retracted, comprising electrically controlled hydraulic means for moving said gear to and from extended position and electrically controlled hydraulic means for moving said fairing doors from and to closed position in response to movement of said gear either to a retracted or a fully extended position.

2,452,788
TELESCOPIC FISHING ROD
John H. Peters, Toledo, Ohio
Application April 17, 1947, Serial No. 742,009
5 Claims. (Cl. 43—24)



1. A combination coupling and line guide for a pair of telescopic fishing rod sections having slip-fit connection one within the other, comprising a split tapered terminal portion on the outer section, threading on said outer section extending away from the terminal portion to a collar fixed on said section, a first nut on said threading having an extension for engaging the tapered terminal to clamp the same to the inner section as said nut is moved along the threading toward each collar, a second nut on said threading between the first nut and collar, and a line guide providing arm between said second nut and collar, said arm swingable around the sections to extend radially therefrom at a predetermined position and locked in such position by rotation of the second nut on the threading to clamp the same between the second nut and the said collar.

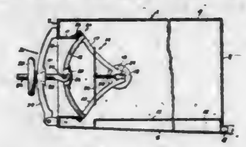
2,452,789
TRAILER
Albert F. Pike, Houston, Tex.
Application June 11, 1945, Serial No. 598,809
3 Claims. (Cl. 280—33.05)



1. A trailer comprising, a main frame, a supplemental frame, upper and lower series of links pivoted at one end to the main frame and at their other ends to the supplemental frame, flooring on the frames and the upper series of connecting links and forming load supporting surfaces, said supplemental frame being movable to declining position to form a loading and unloading ramp and being movable to elevated position to form a tractor hitch and releasable latches on the supplemental frame engageable with the lower series of links when the supplemental frame is in elevated position to lock said supplemental frame in said position.

2,452,790
PRESSURE COOKER
William A. Pledger, San Francisco, Calif.
Application September 29, 1945, Serial No. 619,324
4 Claims. (Cl. 220—25)

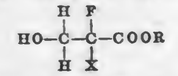
1. In a pressure cooker a box having an inlet opening on one side thereof, an arcuate door in the inside of said box, an arcuate seat on the inside of said opening conforming to the face of said door, the concave face of said arcuate door facing inwardly from the box to be pressed by the pressure in the box and toward said seat, and mounting means inside of the box to swingably support said door and to transmit swinging movement to said door toward to and away from said opening, said door mounting means including pivot shafts journaled in the box, mounting arms extended from the concave side of said door being slidably held on said pivot



shafts and for rotation with said pivot shafts, resilient elements connected to said pivot shafts and to said arms to normally pull said arms and said door away from said opening and towards said pivot shaft, and a handle on the outside of one of said pivot shafts for the manipulation of said door.

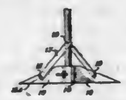
2,452,791
FLUOROHYDRACRYLIC ACIDS AND THEIR ESTERS
Maynard S. Raasch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 4, 1946, Serial No. 651,967
6 Claims. (Cl. 260—484)

3. A chemical compound having the formula



where X is a member of the class consisting of fluorine and hydrogen and R is a member of the class consisting of hydrogen and aliphatic hydrocarbon radicals having less than twelve carbon atoms.

2,452,792
COLLAPSIBLE STAND
Charles H. Roberts, Cheyenne, Wyo.
Application October 30, 1945, Serial No. 625,615
1 Claim. (Cl. 248—48)



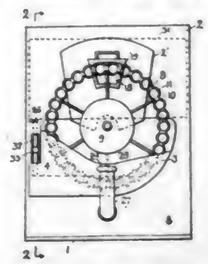
A tree stand for supporting Christmas trees, comprising duplicate legs, each of said legs contacting two other of said legs, said each first mentioned legs arranged at a right angle to each of the said other legs, said first mentioned legs coming in contact with each other, bolts in the ends of said legs, a slot in the side of each leg rearwardly of the inner end of said bolt, said slots adapted to receive the bolts of the legs set at right angles thereto, said slots being of a size to permit variation in the position of the point of contact of said legs with each other for reception of trees of various sizes in the space between said legs, each of said legs having a passage therein extending from one end of said slot to the corresponding end of said leg, braces secured to said legs and said tree at each end thereof, nuts on said bolts for holding said legs in fixed relation to each other, and holding means in said legs of a size large enough to extend into the tree, said holding means adapted to enter the tree in-

termediate of the bolts on the legs, when the stand is in assembled portions, but above the plane of the bolts so that said holding means do not interfere with the assembly of said stand.

2,452,793
ABRASIVE PRODUCTS
Norman P. Robie, Lewiston, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application April 3, 1946, Serial No. 659,435
17 Claims. (Cl. 51—308)

1. A flexible abrasive-coated article comprising a flexible backing having abrasive particles adhesively secured thereto by a bond comprising the reaction product of a mixture comprising a soluble alkali silicate and a water-soluble, heat hardenable reaction product of an aldehyde and a urea compound.

2,452,794
BUBBLE MAKING MACHINE
Thomas Saachy, New York, N. Y.
Application January 18, 1946, Serial No. 641,958
7 Claims. (Cl. 46—8)



1. A bubble making machine comprising a base; a vertically extending wall supported on the base; a disc rotatively supported on the wall for rotation in a vertical plane; means rotating the disc, the disc having a plurality of openings near its periphery; an open vessel for a viscous liquid supported at the lower portion of the wall enclosing the lower portion of the disc and the openings therein, the openings in the disc entraining the liquid in the form of films; the upper portion of the wall extending above the top of the disc and the openings therein; the wall having an opening in its upper portion opposite the openings in the disc; a shutter intermittently closing the opening in the wall; means producing a draft of air; and means directing the draft of air through the opening in the wall and through the openings in the disc for producing bubbles.

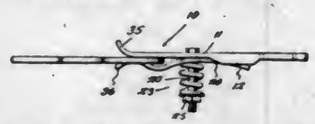
2,452,795
ERASER HOLDING MECHANISM
Mark E. Savoie, Cleveland, Ohio
Application August 25, 1945, Serial No. 612,589
6 Claims. (Cl. 120—38)

3. An eraser holder for an elongated eraser having an axially disposed opening, said eraser holder comprising, sleeve means, an eraser magazine turnably mounted within said sleeve means and extending outwardly therefrom for supporting said eraser, said eraser magazine having an eraser support portion and a head portion, said head portion having an annular groove and said support portion having means fitting into said annular groove, whereby the eraser support portion is rotatably but not longitudinally movable with respect to said head portion, an elongated screw non-rotatably supported by said head portion and extending co-axially of the eraser magazine and



into the opening of said eraser, said eraser and said screw having cooperating means for propulsion of the said eraser along the said screw by rotation of the said magazine with respect to the said sleeve means.

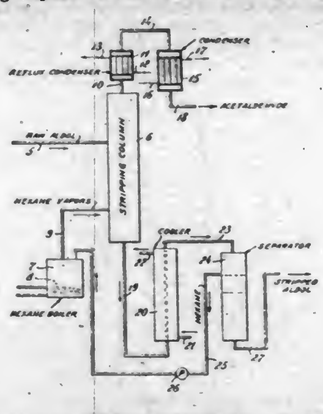
2,452,796
SELF-RELEASING ROPE HITCH
Ole Martin Skibsted, Wolford, N. Dak.
Application November 15, 1945, Serial No. 628,750
2 Claims. (Cl. 280—150)



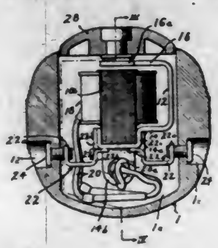
1. For use in tractor and implement assemblies, a hitch comprising a pair of plates rockingly engaging each other substantially medially, a pivot pin extending through said plates at substantially the medial points thereof, spring means on said pin for resiliently biasing said plates toward each other, jaw members at one pair of ends of said plates, cam surfaces on the opposite pair of plate ends rockingly engaging each other, longitudinal guide rails on a predetermined plate receiving the other plate therebetween.

2,452,797
STRIPPING OF ACETALDEHYDE FROM ALDOL BY HYDROCARBON VAPORS
Henry B. Smith, Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., a corporation of Delaware
Application May 29, 1944, Serial No. 537,877
7 Claims. (Cl. 202—46)

7. The method of separating acetaldehyde from an aqueous mixture containing acetaldehyde and aldol, which comprises introducing such aqueous mixture into a stripping zone, contacting such mixture therein with the vapor of a hydrocarbon selected from the group consisting of saturated aliphatic and alicyclic hydrocarbons having from 5 to 6 carbon atoms to vaporize the acetaldehyde, the vapor of the hydrocarbon being simultaneously condensed, said hydrocarbon being insoluble in aldol, not forming an azeotrope with acetaldehyde or with acetaldehyde and water boiling below the boiling point of acetaldehyde, having a boiling point between 50 and 85° C., and having a density permitting separation thereof from aldol by gravity, withdrawing the resulting vapors as the overhead from the stripping zone, partially condensing such vapors to produce an overhead consisting substantially only of acetaldehyde vapor, and returning the resulting condensate to the stripping zone.

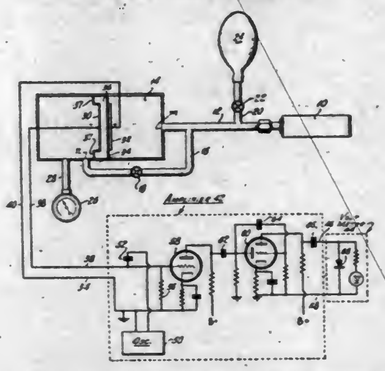


2,452,798
MASSAGING DEVICE
Leland H. Snyder, Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application February 17, 1947, Serial No. 729,000
3 Claims. (Cl. 128—41)



1. In a massaging device, a casing shaped to be grasped by hand, said casing defining a generally cylindrical recess opening at one end of the casing, a laminated magnetic core structure insertable in said recess through said open end, said core structure having a base portion and a plurality of pole portions projecting from said base toward said open end of the casing, an armature member of generally U-shape, one arm of said armature member being shaped to snugly surround said base portion of said magnetic laminations to secure said laminations in assembly, the other arm of said armature member having laterally extended end portions normally disposed adjacent the ends of said pole portions and spaced therefrom but movable against the inherent resilience of the U-shaped member into a bridging position across said pole ends, a pair of brackets of generally U-shape configuration, said brackets having one arm thereof respectively secured to diametrically opposed portions of the wall of said recess, and another arm respectively disposed adjacent opposite faces of said base portion of the magnetic structure, and a single fastener traversing both of said other bracket arms, said one end of said armature member, and said base portion of the magnetic structure to secure said elements in assembly.

2,452,799
APPARATUS FOR AND METHOD OF MEASURING OR INDICATING LIMB OR DIGITAL VOLUME CHANGES RESULTING FROM ARTERIAL PULSATIONS
David M. Speaker, East Orange, N. J., and Joseph B. Hersh, Flushing, N. Y.
Application April 3, 1947, Serial No. 739,264
5 Claims. (Cl. 128—2.1)



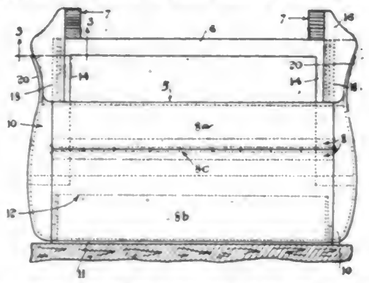
1. Apparatus for measuring or indicating limb or digital volume changes resulting from arterial pulsations which comprises, a capacitative electro-static pressure conversion element comprising two members, one of which is movable relative to the other, connected to an electronic circuit responsive to said capacitance variations, means for applying balanced static fluid pressure to both sides of both members of said element, means for applying fluid pressure means to a limb or digit, and means for transmitting variations in the pressure of said fluid pressure means induced by volume changes resulting from arterial pulsations to one side only of the movable member of said element to change the capacitance of said element.

3. The method of measuring or indicating limb or digital tissue volume changes resulting from arterial pulsations which comprises connecting in an electric circuit a capacitance electro-static pressure conversion element comprising two members one of which is movable relatively to the other, and interconnecting said limb or digit and said movable member with a fluid column to vary the position of said movable member in response to variations in the volume of said limb or digit.

2,452,800
FOOT SCRAPER
Paul Staheli, Arvida, Quebec, Canada
Application May 3, 1944, Serial No. 533,899
2 Claims. (Cl. 15—237)

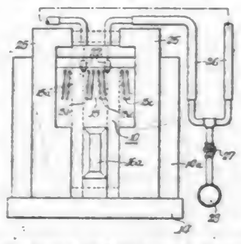
1. A shoe cleaning scraper assembly including an open top casing comprising a bottom wall and vertically extending front, rear and end walls, a scraper blade provided with downwardly directed extensions secured to the end walls of said casing to support the scraper blade in an elevated position above the upper edges of the front and rear walls, and a pair of brush holders provided with vertical grooves in which the outer

edge portions of the downwardly directel extensions of the scraper blades are slidably fitted so that the brush holders may be removed by sliding them upwardly to a position clear of the scraper blade, the end walls of said casing being provided



with spring extensions bearing against the brush holders to retain them against casual displacement and brushes mounted on said brush holders and overlying opposite ends of the scraper blade.

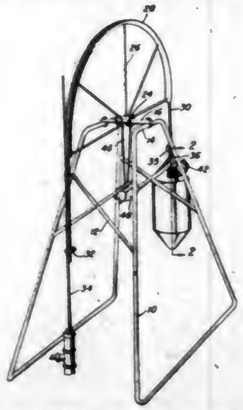
2,452,801
APPARATUS FOR HIGH-FREQUENCY INDUCTION HEATING
Herbert F. Storm, West Allis, Wis., assignor to Sunbeam Corporation, a corporation of Illinois
Application June 7, 1944, Serial No. 539,108
1 Claim. (Cl. 219—13)



A high-frequency induction heating apparatus for heating a work piece including two substantially parallel arms, each arm thereof having a sharply convex surface portion, and for concentrating the heating over a predetermined portion of the convex surface of each arm of the work piece comprising, a heating inductor consisting of a continuous winding including two pairs of coaxial coils, the coils of each pair being spaced for the reception of an arm of said work piece and connected so that their magnetic fields are in aiding phase and the pairs of coils being closely adjacent and connected so that their fields are in opposing phase, for developing between the coils of each pair a high-frequency magnetic field which, in the absence of a work piece, has a relatively uniform field over its cross-sectional area, and positioning means for locating the work piece with each of its arms extending between the coils of one pair with said predetermined convex surface portion thereof effectively cutting across said field.

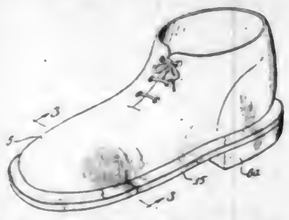
2,452,802
COUNTERBALANCING ATTACHMENT FOR PUMPS
Tomas B. Strickland, Animas, N. Mex.
Application August 5, 1947, Serial No. 766,363
8 Claims. (Cl. 74—590)

4. A counter balancing attachment for pumps comprising a frame, a shaft removably secured to said frame including an annular shoulder and a threaded portion adjacent said shoulder receivably engaging a nut, a bearing journaled for rotation on said shaft interposed between said shoulder and said nut, spokes radiating from said bearing, a guide fixedly secured to the outer ends of



said spokes, a cable slidably mounted on said guide, one end of said cable adjustably mounted on a pump rod, a container selectively receiving a weighted material carried by the opposite end of said cable and a counter balance suspended from said bearing.

2,452,803
SELF-ADJUSTABLE SHOE UPPER
Esther Sudiah, Brooklyn, N. Y., and Rachel Sudiah, deceased, late of Brooklyn, N. Y., by Esther Sudiah, legal representative, Brooklyn, N. Y.
Application November 20, 1946, Serial No. 711,186
1 Claim. (Cl. 36—12)

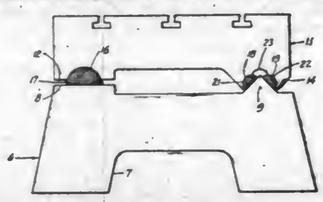


A shoe having a sole and an upper having a turned marginal edge disposed on the sole, and a clamping unit consisting of individual sections hinged to the sole and adapted to clamp the marginal edge of the upper thereto.

2,452,804
MACHINE CONSTRUCTION
Deuta Sulprizio, Oakland, Calif.
Application April 12, 1945, Serial No. 587,957
2 Claims. (Cl. 308—3)

2. In combination, a machine element, a machine bed member having a first support surface and a second support surface thereon extending in the same direction and providing a support for said machine element, said first support surface being substantially flat, said second support surface including a pair of plane surfaces arranged in such relation to each other as to form

a V, means for supporting said element on said first support surface comprising a semi-circular recess in said element and a semi-circular support member mounted in said recess with the planar face on said member in engagement with the flat surface of said first support surface, and means for supporting said machine element on said second support surface and comprising a

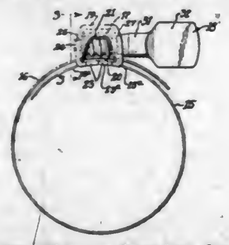


pair of independent support members, each support member having a surface resting on and slideable over one of said pair of surfaces, said machine element having a semi-circular recess therein on each side of said V to receive a semi-circular portion on each of said support members and to support said members independently of one another.

2,452,805
COMPOSITION OF MATTER FOR SEALING SPOT-WELDED JOINTS
Paul Sussenbach, St. Louis, Mo., assignor to The Presstite Engineering Company, St. Louis, Mo., a corporation of Missouri
Application October 14, 1944, Serial No. 558,721
1 Claim. (Cl. 106—193)

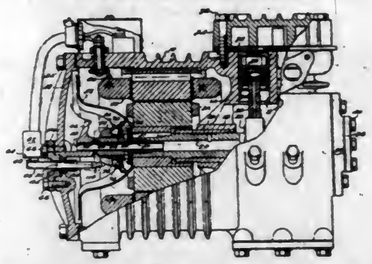
A sealing composition for use between metal parts to be spot-welded, comprising by weight approximately 17% of cellulose nitrate; approximately 30% of a fugitive solvent mixture comprising butyl acetate, butyl lactate, glycol-monoethyl-ether and glycol-mono-methyl-ether; approximately 48% of castor oil as a plasticizer; and approximately 5% of at least one electrical conducting material selected from the class consisting of carbon black and aluminum flakes dispersed therethrough.

2,452,806
CLAMP
Benjamin A. Tetzlaff, Riverside, Ill.; Lillian B. Tetzlaff, Ralph W. Tetzlaff, and Clarence C. Tetzlaff executors of said Benjamin A. Tetzlaff, deceased
Application April 14, 1944, Serial No. 531,061
4 Claims. (Cl. 24—19)



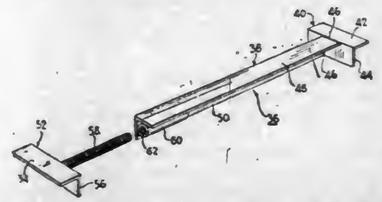
1. In combination, a housing for attachment to a band in a clamp device, having opposed end walls and a non-circular opening in one end wall thereof, a band-tightening unitary member extending through said opening and having a screw-threaded portion in the space within the housing between said end walls and a plain shank portion extending through said opening, the end wall containing said opening being thin enough to permit it to pass between the convolutions of the screw thread during the rotary insertion of the screw threaded portion of said tightening member through said opening into the housing.

2,452,807
SEALED REFRIGERATION UNIT
Harry E. Thompson, Sidney, Ohio
Application May 19, 1945, Serial No. 594,637
8 Claims. (Cl. 230—58)



1. In a motor-compressor unit of the class wherein a motor and a compressor are sealed within a housing and are provided with a common operating shaft, the motor being of a type provided with a starting winding, the combination with said motor of centrifugally actuated mechanism driven thereby including a member movable axially of said shaft, a switch mounted upon the outside of said housing and connected in the series with said starting winding, a member projecting through an opening in a wall of said housing and mounted for pivotal movement about an axis extending transversely thereof, the outer end of the second-mentioned member lying in operative relation with respect to said switch and the inner end of said second-mentioned member lying in cooperative relationship with respect to said axially movable member, and means sealed to said housing and to said second-mentioned member sealing said opening against the flow of fluid therethrough between the interior and exterior of said housing, the relationship of said parts being such that when said centrifugally actuated mechanism is inactive said switch is in closed position and when said centrifugally actuated mechanism is active and said motor reaches a predetermined speed, said switch is open.

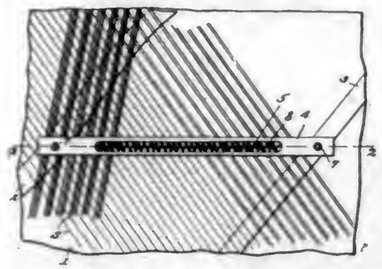
2,452,808
BED SLAT
Morris Tucker, Brooklyn, N. Y., assignor to Robert Tucker, Brooklyn, N. Y.
Application December 4, 1946, Serial No. 714,019
5 Claims. (Cl. 5—209)



1. A slat comprising an elongated structural member, a bracket rigidly secured to one end of said structural member, said bracket including a

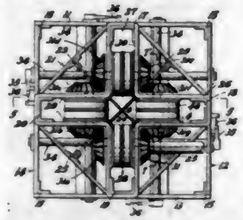
vertical portion and a horizontal portion extending outwardly away from the vertical portion, a bracket member including a vertical portion and a horizontal portion extending outwardly away from the vertical portion and means to interconnect said bracket member with the other end of said elongated structural member, said means including a threaded rod rigidly secured to one of said members and extending parallel to the longitudinal axis of said elongated structural member and an element rigidly secured to the other member and having a tapped opening in which the rod is threadedly received.

2,452,809
RESONATOR FOR MUSICAL INSTRUMENTS
Archie Mitchell Tyson, Dallas, Tex.
Application October 9, 1945, Serial No. 621,203
4 Claims. (Cl. 84—189)



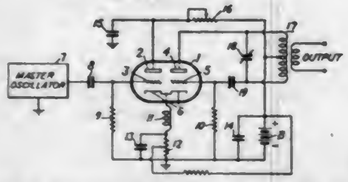
1. A resonator for stringed musical instruments including an elongated non-flexible strip having a longitudinal slot, a vibratory spring held under tension within and longitudinally of the slot, the ends of the strip being each formed with a bore extending therethrough, anchoring pins extended through the respective bores and having their ends projecting therefrom, one end of each pin being anchored to a bridge of a musical instrument, and means for fastening the ends of the strip to the anchoring pins in positions of adjustment longitudinally of the pins.

2,452,810
SEED POTATO CUTTING MACHINE
Lenaard V. Uglow, Minatare, Nebr.
Application May 13, 1947, Serial No. 747,761
3 Claims. (Cl. 146—163)



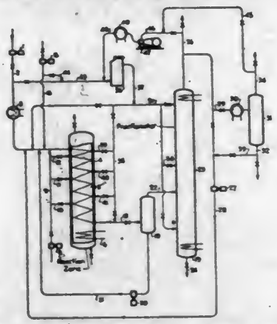
1. A machine comprising an upright frame having four opposed walls and a floor, said frame having a horizontal frame member on the top thereof, said top frame member having intersecting vertical openings therethrough in the form of a cross thereby providing four corridor-like slots and a central space between the juxtaposed ends of said slots, each of said slots having a horizontal shaft mounted in the opposed walls thereof and projecting through said walls, the extremities of said shafts having bevel gears rigid thereon, each of said gears being in mesh with the adjacent gear of the adjacent of said shafts, each of said shafts having a pulley rigid thereon between the walls of its said slot, four horizontal crank shafts positioned in a common plane below said top frame member and having their extremities mounted in opposed walls of said frame and positioned substantially in vertical alignment with said first shafts, each of said crank shafts having a single offset crank axle at the center thereof, each of said crank axles having a pulley thereon, resilient means normally positioning said crank axles above said common plane and urging the same inward toward each other, four yokes having the arms thereof extending upward, said yokes being positioned in a common horizontal plane under said first-named horizontal plane and being substantially in vertical alignment with said second-named four pulleys, said yokes having pulleys loosely mounted therein, each of said yokes having a coiled spring secured by one end thereto, the other end of each of said springs being secured to said floor, a belt trained about each of said first-named pulleys and that one of said last-named pulleys in vertical alignment therewith, each of said second-named pulleys being positioned between the sides of one of said belts and by virtue of said resilient means being urged against that side of the belt which is adjacent an imaginary vertical line drawn through the center of said space, said resilient means thereby urging said side of each belt toward said center line, a cross-shaped cutter frame rigidly mounted in said frame between said first-named and said last-named pulleys, one of said first-named shafts having an extension thereon adapted to be rotated to actuate the machine, said extension being adapted to be rotated in such direction that the mutually juxtaposed sides of said belts are moved in a downward direction, and said cutter member having blades thereon positioned under said space.

2,452,811
FREQUENCY DIVIDER
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1944, Serial No. 542,950
12 Claims. (Cl. 250—36)



6. In a frequency divider circuit to be controlled by oscillatory energy of fundamental frequency, a pair of electron discharge systems each including an electron source, an anode and a control electrode, biasing circuits connected between the electron source and control electrode of each system, connections to the anode and electron source of each system for maintaining the anodes electro-positive relative to the electron source, connections for applying said oscillatory energy to the control electrode of one system, a circuit tuned to resonance at a sub-harmonic frequency coupled to the anode of the other system, connections to the electrodes of the other system such that the same generates oscillatory energy in said resonant circuit of a sub-harmonic frequency and a common impedance connected between the electron source of both of said systems and the control elcetrode of both systems, said common impedance being high with respect to current of said fundamental frequency and constituting means for locking in step the oscillations of subharmonic frequency generated in said second system and the oscillatory energy fed to the control electrode of said first system.

2,452,812
PREVENTION OF CORROSION IN HYDROGEN FLUORIDE CATALYTIC ORGANIC REACTIONS
Aaron Wachter, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Original application January 14, 1944, Serial No. 518,273. Divided and this application December 26, 1946, Serial No. 718,585
10 Claims. (Cl. 260—683.4)



1. In a catalytic hydrocarbon conversion process wherein hydrocarbons are contacted under conversion conditions with a catalyst comprising hydrogen fluoride in a reaction zone comprising a metal-containing surface in direct contact with said catalyst, said metal-containing surface being subject to corrosion by said catalyst, the method of inhibiting corrosion of said metal surface which comprises injecting into said reaction zone at a plurality of intermediate points along the length thereof a halide of a metal of groups IV and V of the periodic table.

2,452,813
THERAPEUTIC AGENT
Stanley M. Wade, Benicia, Calif., assignor of one-half to John R. Wiederrich, Lodi, Calif.
Application November 5, 1945, Serial No. 626,763
2 Claims. (Cl. 128—350)



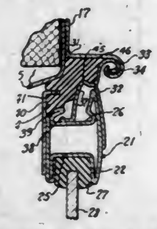
1. A device of the type described comprising a tubular member having resilient wing-like portions adapted to be closed and form a conical top, an adhesive for holding the wings in closed position and being meltable at human body heat and/or moisture to free the wings, a sack-like member depending from the tubular member and being of the same diameter, the sack-like member being normally folded within the tubular member, the wings when closed and forming the conical top aiding the insertion of the tubular member into a body opening, the wings when freed, yieldingly engaging with the wall of the opening for preventing the accidental removal of the device.

2,452,814
HAIR CLAMP
Ira G. Wagle, Washington, D. C.
Application October 8, 1945, Serial No. 620,940
14 Claims. (Cl. 132—46)



1. A hair clamp comprising in combination a first clamp member, a second clamp member attached through resilient means to one end of said first member, said resilient means normally urging together said clamp members, a net-like member pivotally connected to one of said clamp members, and a second resilient means connected between one of said clamp members and said net member for normally urging said net-like member towards the clamp member to which it is pivotally connected.

2,452,815
WINDOW CONSTRUCTION
Carl J. Wagner, Detroit, Mich.
Application March 11, 1946, Serial No. 653,488
7 Claims. (Cl. 189—69)

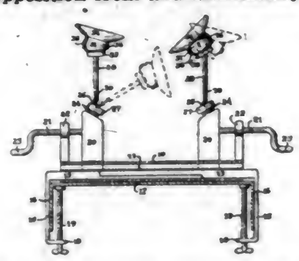


1. A window assembly for a window opening, comprising a fixed frame surrounding the opening, a ventilator having a frame provided with top, side and bottom bars, cooperating hingedly connected parts respectively secured to the top bars of the fixed and ventilator frames, a flexible sealing lip extending around the perimeter of the ventilator frame from one end of the hinge parts to the opposite end of the latter and engageable with the adjacent surfaces of the fixed frame to form a weather-tight seal, and flexible sealing blocks anchored to one of the hinge parts at the extremities of the sealing lip and engageable with the other hinge part to seal the space between the hinge parts at the extremities of the latter.

2,452,816
JAW-SUPPORTING APPLIANCE
Venus M. Wagner, Denver, Colo.
Application May 21, 1945, Serial No. 594,815
7 Claims. (Cl. 311—10)

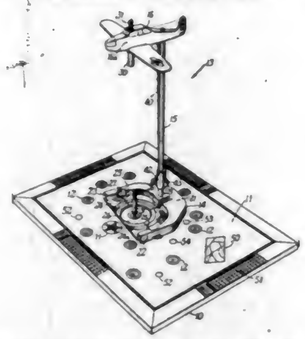
2. A jaw-supporting appliance of the character described comprising, a base member, bars slid-

ably engaged within and selectively extensible oppositely from said base member, clamp means on outer ends of said bars selectively engageable with and to clamp said base member transversely of and to a table top, abutments upstanding in spaced opposition from and individually slidable



longitudinally of said base member, means for selectively adjusting and holding said abutments relative to said base member, a stem adjustably engaged with and extending upwardly from each abutment upper end, and a jaw-engaging cushion adjustably associated with the upper end of each said stem.

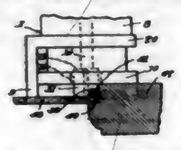
2,452,817
TOY BOMBING GAME
Jack Van H. Whipple and Anthony B. C. Palazzo, New York, N. Y.
Application November 22, 1944, Serial No. 564,617
3 Claims. (Cl. 273—95)



2. A game comprising, in combination, a board having one or more target areas thereon, a device including a base member adapted to be supported by and to be slid over said board, said base member including a sighting device having reference marks indicative of a sighting point adapted to be registered with the target to be hit, a missile retaining and discharging member including a tube in which the missile is received, means supporting said member above said base and in fixed relation thereto so that the axis of said tube passes through said sighting point, and means associated with said tube and operable to release a missile held therein.

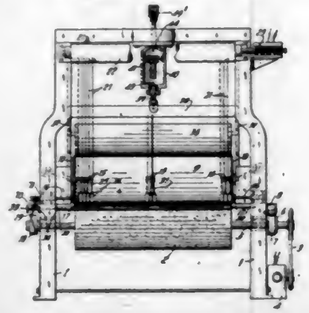
2,452,818
MACHINE FOR REMOVING PUTTY
Alan W. Williams, Westwood, Los Angeles, Calif.
Application June 25, 1946, Serial No. 679,215
5 Claims. (Cl. 90—12)

1. A machine for removing putty from the edges of the frame of a glass window, a cutter, a guide for engaging the face of the glass of said window, a pair of frame-edge guides for engaging a puttied edge of said window, and means for



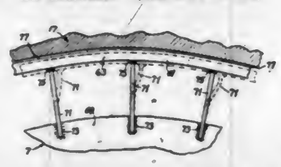
operating said cutter for cutting away the putty from said edge as said cutter is guided by said guides along said puttied edge.

2,452,819
WARP YARN COMPRESSING SPOOLER
Ezekiel J. Wilson, Slingerlands, N. Y., assignor to F. C. Huyck & Sons, Rensselaer, N. Y., a corporation of New York
Application June 30, 1945, Serial No. 602,509
5 Claims. (Cl. 28—38)



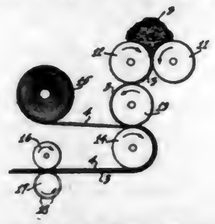
3. In a warp yarn compressing spooler, the combination with means for driving a flanged spool, of a plurality of yarn guides and pivotal mountings therefor adapting said guides to swing independently of each other towards and away from the axis of said spool between the flanges thereof, and means for oscillating said guides parallel to the axis of said spool; said yarn guides being normally held against the yarn on said spool by the tension of the respective yarns guided thereby; and counterweights on said guides adapted to cause said guides to swing away from said spool in the event of breakage of the yarn guided thereby.

2,452,820
EDDY-CURRENT COUPLING
Martin P. Winther, Waukegan, Ill., assignor to Martin P. Winther, as trustee, Waukegan, Ill.
Application August 26, 1946, Serial No. 693,057
25 Claims. (Cl. 172—284)



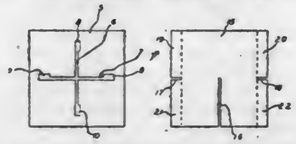
1. In an eddy-current coupling, a discontinuous inductor ring consisting of a plurality of ring segments, and resilient means supporting said segments for permitting substantially radial deflections thereof throughout the extent of said segments.

2,452,821
METHOD OF MAKING PHONOGRAPH RECORDS
Lawrence A. Wood, Jr., Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1944, Serial No. 542,723
6 Claims. (Cl. 18—48.4)



1. A method of producing a phonograph record from a blank having a substantially continuous playing surface comprising a thermoplastic material, said method comprising providing said surface with a plurality of grooved passages intercommunicating with each other and with the edge of said blank and impressing a grooved sound track in said surface with sufficient heat and pressure to completely eliminate said intercommunicating passages.

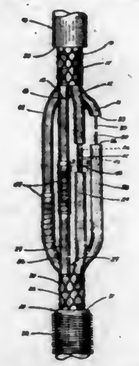
2,452,822
REFLECTOR
James M. Wolf, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 28, 1944, Serial No. 533,234
2 Claims. (Cl. 343—18)



1. An energy reflector having associated sheets presenting perpendicular plane surfaces to incidence rays whereby rays parallel thereto are reflected regardless of incidence ray direction, said reflector comprising a supporting sheet having centrally intersecting perpendicular slits therein which terminate short of the sheet edges, and two cooperating sheets perpendicular to each other and to said supporting sheet, said cooperating sheets each having a slit extending from its center to an edge whereby the sheets may be interfitted to be received in said perpendicular slits of said supporting sheet, and means for holding said supporting sheet to said interfitted sheets, said sheets having energy reflecting surfaces.

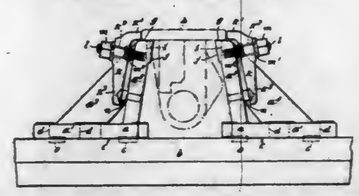
2,452,823
CABLE SPLICE
Robert L. Wright, II, Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 18, 1943, Serial No. 502,964
1 Claim. (Cl. 174—84)

A spliced cable, which comprises two lengths of flexible cable, each of said lengths of flexible cable including a plurality of individually insulated conductors of which one end of each is bare and a braided, tension-bearing, metallic sheath enclosing the insulated conductors, a plurality of electro-conductive tubes, each of said tubes being crimped on the bared end of one of the insulated conductors of one of the lengths of cable and closely but slidably engaging the bared end of an insulated conductor of the other length of cable to electrically connect the respective



conductors, a plurality of masses of insulating material serving to enclose the respective tubes to insulate them from one another, and a braided, tension-bearing, metallic sheath enclosing the insulated tubes and mechanically connecting the tension-bearing sheaths of the lengths of cable.

2,452,824
WORK HOLDER
Herbert Yates, Kingsbury, London, England
Application September 12, 1945, Serial No. 615,780
In Great Britain October 10, 1944
6 Claims. (Cl. 90—60)

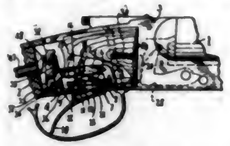


1. A work piece holder consisting of a pair of brackets each consisting of a metal block of obtuse angled L cross section formed in and on the base limb with bolt slots and with a flat undersurface and on the upstanding limb with a flat upper surface parallel with and in both brackets equi-distant from said flat undersurface and on the overhanging face of said upstanding limb with an obliquely undercut surface, L-shaped clamping bars mounted on the back of said upstanding limb of each said bracket and each presenting one limb overhanging said flat upper surface and fulcrumed at the end of the other limb of said clamping bar, and means for forcing said clamping bars towards the upstanding limb of the respective bracket.

2,452,825
SINGLE TRIGGER ACTION FOR DOUBLE-BARREL SHOTGUNS
Charles A. Young, Springfield, Ohio
Application August 23, 1945, Serial No. 612,181
7 Claims. (Cl. 42—42)

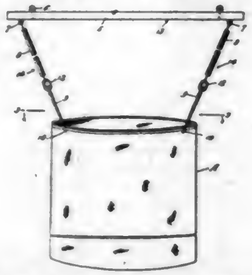
1. Dual firing mechanism for a double barreled firearm, wherein separate impact members, one

for each barrel, are independently held cocked by separate sears independently releasable by separate sear actuators, including a single finger trigger common to both firing mechanisms carried by one of the sear actuators, a coupler pivotally mounted on the same sear actuator by which the



finger trigger is carried, having operative relation with the sear of one impact member movable into operative engagement with the sear of the other impact member by oscillatory adjustment of the pivoted coupler, and a stationary guide member with which the pivoted coupler is engageable in its alternate positions of oscillatory adjustment.

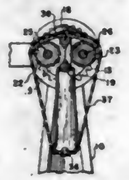
2,452,826
SACK HOLDER
William H. Backs, Lockwood, Mo.
Application December 5, 1945, Serial No. 632,909
2 Claims. (Cl. 248—95)



1. A bag holder of the class described comprising a horizontally elongated hanger bar provided with means for attachment to a relatively fixed support, and a pair of duplicate depending bag engaging, spreading and suspending devices, each device comprising an elongated coiled spring swingably connected at its upper ends to an adjacent end portion of said bar, and also including an inverted V-shaped bag engaging and spreader unit connected by a link to the adjacent lower end of the elongated coiled spring, each device being of wire formation, the wire being bent between its ends to provide a combination eye and spring, the ends being bent to outwardly and downwardly diverting relationship and the terminals thereof being fashioned into hooks for releasable connection with the mouth portion of the bag.

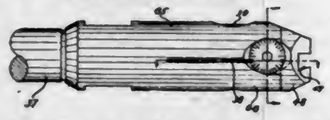
2,452,827
SHARPENING DEVICE FOR THE CUTTING ROLLERS OF PENCIL SHARPENERS
Fred E. Bearden, Spartanburg, S. C.
Application July 31, 1946, Serial No. 687,493
2 Claims. (Cl. 51—250)

2. A sharpening device for the cutting rollers of a pencil sharpener comprising a frame fixed on a rotatable shaft and having a pair of rotary cutting rollers mounted in the frame and spaced apart from each other, and having means for imparting rotation to the same, comprising an elastic band having an abrasive substance on its side next to the cutting rollers adapted to be placed in contact with the cutting rollers, and means adapted to be disposed between the elastic



band and the frame for resiliently holding the abrasive surface in contact with the cutting rollers while they are rotating to sharpen the cutting surfaces of the cutting rollers.

2,452,828
BORING HEAD
Nicholas Bell, Dearborn, Mich.
Original application December 18, 1942, Serial No. 469,743. Divided and this application October 22, 1945, Serial No. 623,617
1 Claim. (Cl. 77—58)

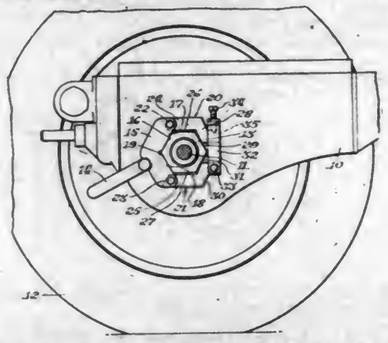


A tool of the class described, comprising an elongated supporting head having a diametrically directed groove formed in its front face and communicating with a longitudinally directed slit extending axially inwardly therefrom for separating the forward part of said head into a pair of separable parts; a cutting tool retainer; a diametrically extending rib on the rear face of said retainer engageable in said groove for radial momevent relatively to said head and having an internally threaded passage extending longitudinally therethrough, said retainer having on its forward face a tool receiving slot extending parallel to said rib; a stud threaded into said passage; a head on said stud engaging in a recess formed in said separable parts and provided with a peripheral groove; and flange members on each of said separable parts for engaging in said peripheral groove and retaining said screw in fixed radial relation to said supporting head; and means extending through said separable parts for clamping the same together.

2,452,829
TRACTOR ATTACHING STRUCTURE FOR IMPLEMENTS
Frederick T. Blaydes, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 19, 1947, Serial No. 775,105
3 Claims. (Cl. 280—33.44)

1. In an agricultural implement including a tractor having a rear axle housing, said rear axle housing being hexagonal in section, an implement attaching bracket comprising a triangular member having adjacent faces forming a V-notch engaging adjacent faces of said hexagonal housing, links pivotally connected to the ends of said member and swingable to positions substantially paralleling respective opposite faces of said axle, each of said links being bent inwardly at an angle to conform generally to the angle made by adjacent faces of said axle housing but at a smaller angle, whereby the inwardly bent ends only of

said links engage respective adjacent faces of said housing opposite said member, a latch member



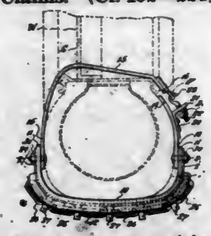
pivoted on the end of one said link, and adjustable means for securing said latch member to the other said link.

2,452,830
COMBINATION MICROPHONE AND CONTROL MEANS FOR DICTATING MACHINES
Gustav F. Braun, Elizabeth, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application February 28, 1945, Serial No. 580,182
4 Claims. (Cl. 200—157)



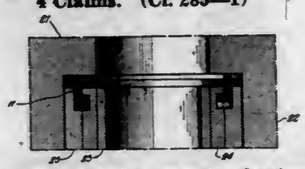
1. A control device for dictating machines comprising an elongated handpiece having a cavity therein open at the side of the handpiece along substantially the entire length thereof; an outwardly-urged cover loosely fitting the outer portion of said cavity and projecting beyond the handpiece so that the cover is pressed inwardly as the handpiece is gripped by the hand; a switch in said cavity operated by said cover as the cover is pressed inwardly; and a separable hinge connection between said cover and said handpiece comprising an end portion of said cover having two spaced-apart projections provided with grooves in the end faces thereof extending laterally of the cover, and three cooperating tongues on said handpiece spaced laterally of said cavity from one another and projecting into the cavity longitudinally thereof, the central one of said tongues being inset inwardly of the cavity with respect to the other two tongues and lying between said projections of the cover and the two outer tongues being in pivotal engagement with the grooves of said projections respectively.

2,452,831
ANTISKID DEVICE
Robert J. Burkhart, Nutley, N. J.
Application November 30, 1946, Serial No. 713,207
2 Claims. (Cl. 152—224)



1. An anti-slip device comprising a rigid U-shaped tread plate to transversely embrace the periphery of an automobile wheel tire, said tread plate having means for securing the same to the wheel and tire, said tread plate having integral laterally spaced continuous radial ribs extending from end to end thereof to provide an intermediate receiving and seating channel, a conformably U-shaped metallic base-strip removably seated within said channel, a ground gripping link chain having certain links disposed in a plane perpendicular to the surface of said base-strip and welded thereto so as to be unitary therewith and alternate links disposed parallel to said base-strip, said latter links having calks outwardly projecting therefrom, and cooperative means between corresponding ends of said base-strip and tread plate for detachaby securing the former to the latter.

2,452,832
SEALING UNIT AND GASKET
James Coolidge Carter, Pasadena, Calif.
Application December 3, 1946, Serial No. 713,770
4 Claims. (Cl. 285—1)

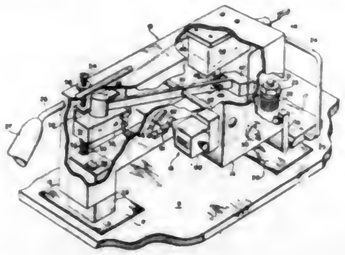


2. In a coupling unit, a member having a sealing face at one end and including a channel of L-shaped cross-section opening to said face, the lateral extension of said channel being spaced from said sealing face, a resilient gasket overlying said face and having an L-shaped tongue projecting from one face thereof and fitting in but not bottoming in said channel to lock said gasket against displacement from said face, said gasket having on its other face and substantially opposite said L-shaped tongue a sealing bead so disposed that pressure against said bead on sealing will cause the material of said gasket to be pressed into said channel prior to material expansion of said gasket along said sealing face.

2,452,833
HARDNESS TESTING DEVICE
Stig Christensen, Los Angeles, William G. Rosenberg, Glendale, and Jay D. Swift, San Fernando, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.
Application December 20, 1945, Serial No. 636,158
7 Claims. (Cl. 73—81)

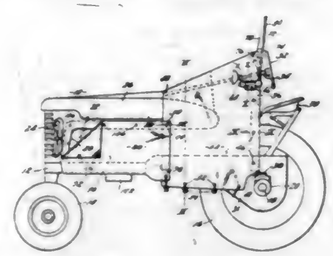
1. A hardness tester comprising a case, means for moving the case toward the part to be tested,

a point for penetrating the material of said part, means for mounting the point on the case for relative movement, spring means for resisting relative movement between the case and point, a stamp carried by the case for marking said part,



a lever in the case for operating the stamp, electromagnetic means for actuating the lever, and a switch arranged to be closed to energize the electromagnetic means only upon a given movement of the case relative to the point.

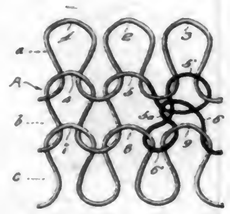
2,452,834
HOT-AIR DEFLECTOR FOR TRACTORS
Clyde E. Clapper, Kansas City, Mo.
Application March 17, 1945, Serial No. 583,345
16 Claims. (Cl. 180—54)



16. The combination with a tractor including a frame having open sides, an engine carried within said frame, a ventilation fan driven by said engine and a seat structure carried by said frame at the rear of said engine, of a formed bar member carried by said frame adjacent said seat structure, a continuous deflector secured at its rear edge about said bar member and at its forward end to the front portion of said frame to cover the open sides of said frame and to form with said frame a continuous passageway from said engine to said formed bar member, whereby air forced about said engine by said engine fan will be caused to travel in said passageway and into the seat zone.

2,452,835
KNITTED FABRIC AND PROCESS OF MAKING SAME
Arthur J. Cobert, Greensboro, N. C., assignor to Burlington Mills Corporation, New Castle County, Del.
Application October 22, 1945, Serial No. 623,647
2 Claims. (Cl. 66—169)

1. The method of producing a lock-loop in a knitted fabric formed of plain loops and lock-loops, which consists in drawing a partial plain loop of a course through an adjacent plain loop in the same course, releasing the adjacent plain



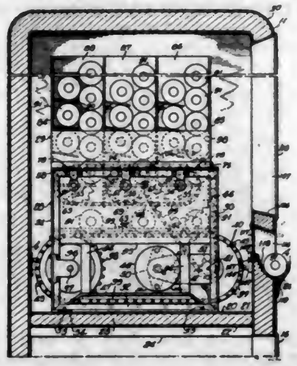
loop from its needle, and impaling the partial plain loop upon this needle.

2,452,836
KNITTED FABRIC AND PROCESS OF MAKING SAME
Arthur J. Cobert, Greensboro, N. C., assignor to Burlington Mills Corporation, New Castle County, Del.
Application March 28, 1946, Serial No. 657,756
2 Claims. (Cl. 66—187)



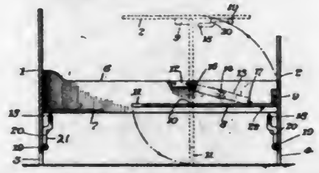
1. The method of knitting a flat knit stocking comprising leg, foot and intermediate sections, said intermediate section including a central instep portion and heel portions located at opposite sides thereof, which consists in forming the leg section, thence extending the fabric forward from the initial points of curvature of the heel and instep portions and progressively outward to form the upper instep portion and rear heel portions of triangular formation located at opposite sides thereof and of gradualy increasing width up to points determining the greatest width of the heel section, thence extending the fabric forward while maintaining such width to form an intermediate part of the instep portion and rectangular front heel portions at opposite sides thereof and to define in each front heel portion an outer triangular area and an inner triangular area, said areas having obliquely inclined margins facing each other and extending between the inner rear corner and outer front corner of the front heel portions, and transferring a group of inner wales outward and forward in each front heel portion on oblique lines in the general direction of knitting to form gores arranged between the oblique margins of said areas in said front heel portions and located wholly within and extending from the inner rear to the outer front corners of the front heel portions, whereby said front heel portions will be so disposed as to adapt the gores to extend substantially vertically and the rear heel areas to inherently curve to conform to the natural curvature of the human heel when the blank is folded and seamed, and then progressing the fabric from the forward margins of the front heel portions to form the foot section.

2,452,837
VENDING APPARATUS
Carl C. Colbert, Columbus, Ga., assignor to Nehi Corporation, Columbus, Ga., a corporation of Delaware
Application November 20, 1944, Serial No. 564,250
5 Claims. (Cl. 312—46)



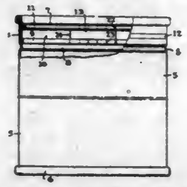
1. A dispensing apparatus comprising a plurality of vertical containers each adapted to receive a plurality of articles to be dispensed, a feeding device arranged beneath each container and adapted to support the articles therein, a conveyor arranged beneath said feeding devices, means for advancing said conveyor in a given step to dispense an article thereon, and means for simultaneously operating said feeding devices and said conveyor advancing means, said operating means and said feeding devices being so constructed and arranged that upon the advancing of said conveyor in a number of steps corresponding to the number of said containers, said feeding devices will simultaneously release an article from each container to be dropped by gravity to said conveyor.

2,452,838
FURNITURE
Leonard P. Come, White Plains, N. Y.
Application April 24, 1945, Serial No. 590,039
3 Claims. (Cl. 5—3)



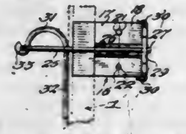
1. A convertible article of furniture, comprising a frame having members forming a vertically disposed back and side members and a horizontally disposed seat member secured between said back and side members, a member pivoted in said frame between said side members in normally complementary relation to said seat member, and an end member secured to said pivoted member at right-angles thereto, said end member being normally in vertical position and co-operating with the side and back members to enclose a rectangular space, said seat member and pivoted member co-operating to form a bottom to said space, said pivoted member being movable in such a manner as to carry and support said end member in a horizontal position in front of said back and seat members.

2,452,839
COLLAR CAN COLLAR STRUCTURE
John Coyle, Baltimore, Md., and Jacob F. Egenolf, New York, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 3, 1945, Serial No. 586,296
5 Claims. (Cl. 220—61)



1. A collar for a collar can, said collar having upper and lower edge portions disposed in parallel relation throughout the whole circumference of the collar and comprising a band shaped to fit within a can and having its ends overlapped flatwise, the overlapped ends of the band at one edge portion having complementary interlocking notches and tongues with the tongues of each overlapped end at said one edge portion disposed to engage in the notches of the other overlapped end at said one edge portion with the tongues engaging in edge to edge contact, said one edge portion of the band including the interlocked tongues thereof being formed into a curl having a smooth exterior devoid of external surface projections throughout the circumference of the collar, and means securing the overlapped ends against separation in the radial direction.

2,452,840
FENCE POST
Harold L. Craig, Hampton, Iowa
Application September 27, 1946, Serial No. 699,900
2 Claims. (Cl. 174—45)

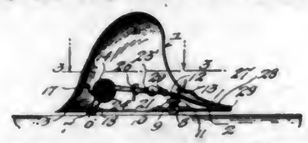


1. A fence post comprising an elongated member, a pair of opposed insulated blocks adapted to be clamped against opposite sides of wire fencing, and means for clamping said blocks against said fencing and one block to said post comprising a presser plate opposed to the other block with key-hole slots therein, a bail straddling said member and blocks with enlarged ends interlocking with one end of the slots and removable out of the other ends of said slots, and a member on said bail swingable against said elongated member to exert pressure on said bail to pull said plate against said other block.

2,452,841
TOY
William E. Dailey, Chicago, Ill.
Application December 21, 1945, Serial No. 636,445
1 Claim. (Cl. 46—97)

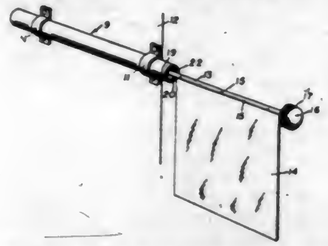
A toy for rolling over a floor comprising a hollow animal body and head, a front and rear wheels for supporting said body, means in said body for operating one of the rear wheels comprising a crank shaft and a spring motor for operating the shaft, a pitman to which said crank

is operatively connected, and a noise making device in said body operative intermittently by said pitman, said device being operative by air under pressure passing through the same, said head having an open snout end and being supported by said body with said front wheel ex-



tending upwardly into the same whereby said head is adapted to be disposed close to the floor, and a tube extending from said device into said head to said snout end for discharging air from the device out of said snout end onto the floor to intermittently stir up dust on the floor and create the illusion that the animal is snorting.

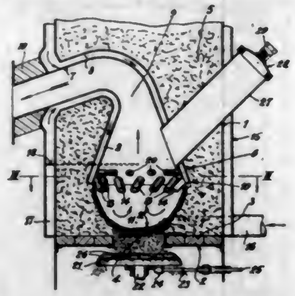
2,452,842
FLAG HOLDER AND DISPLAYER
Sydney B. Davis, Nerstrand, Minn., assignor of twenty-five per cent to La Vern R. Kielmeyer. Nerstrand, Minn.
Application March 12, 1947, Serial No. 734,135
2 Claims. (Cl. 116—173)



1. A flag holder of the class described comprising an elongated cylindrical casing closed at its inner end and open at its outer end, an elongated cylindrical sleeve slidably and rotatably mounted in said casing, said sleeve being open at opposite ends and provided interiorly with openwork spiders forming hubs, a rod rigidly connected at longitudinally spaced points with said hubs and having a substantial portion located concentrically within the confines of said sleeve, said rod projecting outwardly and beyond the open end of the sleeve, said projecting end being provided with a closing cap for said casing and a flag attached to that portion of the rod between the sleeve and cap.

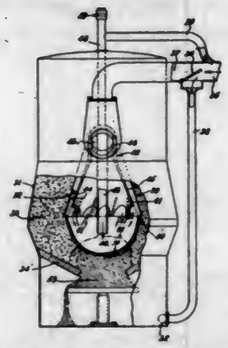
2,452,843
COMBUSTION APPARATUS FOR SOLID COMBUSTIBLES IN FRAGMENTS
Robert Esnault-Pelterie, Geneva, Switzerland, assignor to Spladis Société pour l'Application d' Inventions Scientifiques, Luxemburg (Luxemburg), a corporation of Luxemburg
Application February 17, 1944, Serial No. 522,851
In Switzerland February 17, 1943
6 Claims. (Cl. 110—29)

1. A combustion apparatus for solid combustibles in fragments, comprising a container for the combustible, the bottom of which has a central aperture for the passage of the ashes, a grate below said central aperture, a substantially bell-like means positioned within said container and defining a channel for evacuating the combustion gases, said channel extending downwardly within the container above said central aperture, means defining an annular air feeding channel surrounding said combustion gases exhausting channel and adapted to be surrounded by descending combustible which is inserted into said container, means for introducing air to said air feeding channel to cause the air and the combustion gases



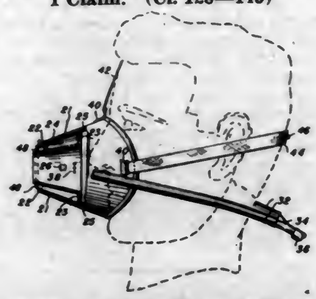
to circulate at counter-flow in said channels, means on the outlet end of said annular air feeding channel for projecting the air downward and toward the center of the container above the central aperture and below the bell-like means, whereby the combustible will be caused to crumble in the form of a central crater and the combustion will be localized in the superficial zone of said crater.

2,452,844
PROCESS AND APPARATUS FOR BURNING SOLID FUEL
Robert Esnault-Pelterie, Geneva, Switzerland, assignor to Spladis Société pour l'Application d'Inventions Scientifiques, a corporation of Luxemburg
Application June 17, 1944, Serial No. 540,862
In Switzerland July 15, 1943
4 Claims. (Cl. 110—29)



1. A process for effectuating the combustion of combustible in pieces, in which the combustible is presented in a combustion zone in the form of a substantially circular crater having a crumbling-slope, comprising supplying air for combustion, feeding a major portion of such air downwardly and tangentially so as to sweep the surface of said slope in the same direction as that of its fall, said major portion of air licking the said surface of the combustible without penetrating deeply into the mass of the latter, and simultaneously feeding a minor portion of said air into the combustible from underneath the combustion zone and passing said minor portion of air upwardly through part of the combustible mass in the reverse direction to that of its fall to afterwards emerge from the surface of the slope.

2,452,845
DRILLER'S MASK
James Fisher, Middletown, N. Y.
Application April 5, 1946, Serial No. 659,983
1 Claim. (Cl. 128—145)



In a protective mask, the combination which comprises a substantially conical-shape casing elliptical in cross section and shaped to fit over the nose and mouth of a person with the large end in sealing relation with the face and with the walls thereof converging outwardly from the face, an inner double walled frusto-conical shaped member having inner and outer sections with the inner end of the inner section flanged and with the flange sealing the inner end of the said frusto-conical shaped member, the walls of the said inner and outer sections of the frusto-conical shaped member being in spaced relation providing an annular air chamber between the sections and with the outer ends of the chamber open, said frusto-conical shaped member positioned in the outer end of the mask with the open end of the chamber therein extended outwardly, and suitable connections to the said frusto-conical shaped member for supplying air to the chamber therein wherein the air supplied to the chamber provides a continuous circular air screen around the outer end of the mask.

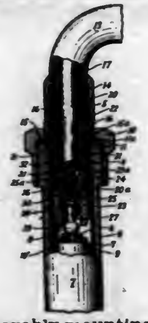
2,452,846
ICE CUBE TRAY
Charles A. Flynn, Phoebus, Va.
Application October 12, 1945, Serial No. 621,873
1 Claim. (Cl. 62—108.5)



An ice cube tray including a substantially vertical well having an aperture therein to limit the level of the contained liquid, and a door pivoted to the wall on an axis at right angles thereto for closing the opening.

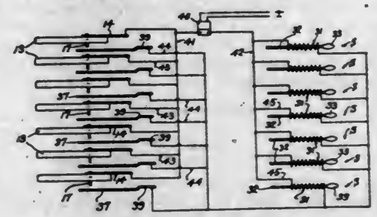
2,452,847
ELECTRICAL CONNECTING MEANS AND RADIO SHIELDING MEANS THEREFOR
Jakob R. Frei, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application November 18, 1942, Serial No. 466,046
8 Claims. (Cl. 174—35)

2. In apparatus of the class described, a radio-shielding conduit, an electrical conductor fixed in and insulated from said conduit, said conductor projecting from said conduit, a tube of insulating material having one end extending into said conduit to receive said projecting end of the conductor, said tube being physically detached from said conductor and flexible, a rigid insulating tube secured to the flexible tube, yield-



able means removably mounting said rigid tube in said conduit for limited axial and free angular movement relative thereto, and means embedded in the free end of said rigid tube, said last-named means being adapted for electrically connecting said conductor with conducting means outside said tube.

2,452,848
ELECTRIC PIANO ACTION
James F. Goodwin, Los Angeles, Calif.
Application May 29, 1944, Serial No. 537,871
7 Claims. (Cl. 84—246)

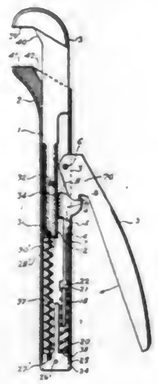


1. In an electrically powered piano, including a keyboard, an individual action for each key and its associated string, said action comprising a string damper a rod supporting said damper, a percussion element, a current source, electromagnetic means for actuating the percussion element, a circuit closer cooperative with the key for energizing the electromagnetic means during the initial fingered movement of the key, arms pivotally connected to said rod means on each key coacting with one of the arms on said rod for withdrawing the damper from the string simultaneously with the depression of said key and with the operation of the percussion element, a coil spring for returning the percussion element to its normal position of rest, the upward movement of said key after its depression releasing the damper for its return by gravity to its normally engaged position with the string.

2,452,849
WRENCH WITH SPRING CLOSED JAWS AND HANDLE AND PAWL FEED
Oswald M. Gross, Detroit, Mich.
Application October 5, 1945, Serial No. 620,441
4 Claims. (Cl. 81—89)

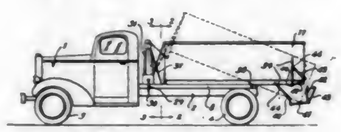
1. A self-adjusting wrench comprising a tubular handle formed at one end with a nut en-

gaging jaw, a complementary jaw member formed with an extension slidable in the handle, said extension having transverse serrations, a cam formed with a face confronting the serrated portion of the jaw extension and similarly serrated, said cam slidable in the tubular handle, an operative handle pivoted on the tubular handle in alignment therewith formed with a cam face ar-



ranged to engage the slidable cam to operably engage said cam with the serrated jaw extension, a closure member for the tubular handle formed with a medial extension defining two parallel spring dwells in the handle, a compression spring seated in one dwell and engaging the slidable cam and an expansion spring having its ends anchored respectively to the slidable jaw and the bottom of the other spring dwell.

2,452,850
DUMP BODY FOR TRUCKS
Clans Guidry, Jennings, La.
Application April 22, 1946, Serial No. 663,996
1 Claim. (Cl. 298—19)



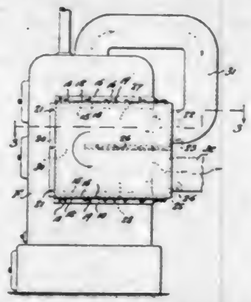
1. In combination with a truck chassis, of a dump body pivotally supported thereon at a point nearer its rear end than to its forward end, longitudinally extending I-beams supported upon said chassis between the same and the mount for said dump body, a plurality of support members including a pair of converging rods positioned at the forward end of said dump body and depending therebelow, a bar secured at the ends of said plurality of members, a manually operated hoist secured to said beams and provided with a pedestal supported sheave, and a hoist cable secured to said hoist and extending over said sheave and connected with said bar whereby rotation of said hoist will elevate the forward end of said body, and when dumped gravity will cause said body to resume its normal position.

2,452,851
HINGE
George Washington Henry, Westfield, Mass., assignor to Anderson & Sons, Inc., Westfield, Mass., a corporation of Massachusetts
Application September 4, 1947, Serial No. 772,160
8 Claims. (Cl. 33—115)



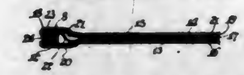
1. A hinge construction comprising two strips, one of said strips being slotted to form two prongs, opposed arcuate recesses in the adjacent faces of said prongs, spaced depressions in the walls of said recesses, and lugs struck out from the other strip passing through said first strip and turned over into engagement with the surface thereof, the edges of said lugs being adapted to engage said depressions to maintain the strips in desired angular relationship and to be disengaged from said depressions against the spring action of said prongs when one strip is rotated relative to the other.

2,452,852
HEAT RECLAMATION ATTACHMENT FOR HEATING FURNACES
John A. Hilkene, Bloomfield, N. J.
Application July 6, 1945, Serial No. 603,460
2 Claims. (Cl. 122—4)



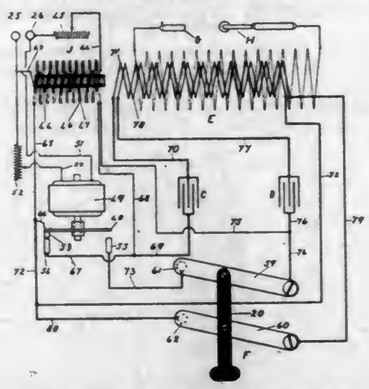
1. A heat reclamation attachment for a heating furnace or boiler comprising an open sided sheet metal casing formed by a flexible side wall, end walls and top and bottom walls, said top and bottom walls having transverse slits extending inwardly from the free edges thereof whereby the same may expand and contract to permit curving of said free edges and curving of said side wall to conform the casing to external contours of a furnace or boiler to which the open side of said casing is operatively applied, means to hold said casing in such operative attached relation to a furnace or boiler, said holding means comprising flexible sheet metal supporting bracket members adapted to be fastened to an external wall of the furnace or boiler, said members having outwardly projecting flange means to which top and bottom walls of the casing are secured, and said flange means also having transverse slits extending inwardly from free edges thereof to permit longitudinal expansion of said flange means and thereby curving of the bracket members conformably to the contours of said furnace or boiler, said casing having an inner partition adapted to divide the interior thereof into interconnecting ingoing and outgoing flue gas passages, conduit means to connect the flue gas discharge outlet of the furnace or boiler fire-box in communication with the ingoing flue gas passage of said casing, and a smoke pipe connected in communication with and leading away from the outgoing flue gas passage of said casing.

2,452,853
CLOSED EDGE FLY FRONT FOR GARMENTS
Frank Ippoliti, Philadelphia, Pa.
Application June 2, 1947, Serial No. 751,815
2 Claims. (Cl. 2—96)



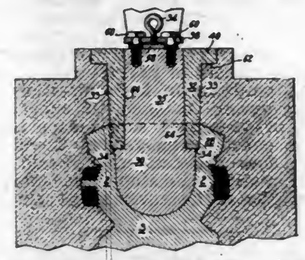
1. A garment fly comprising an inner and an outer wall or ply of garment material disposed in parallel spaced relation, with the outer edges turned in and secured together to form a seam located between the walls of garment material, the inner wall having buttonholes as the only access to the space between the garment walls, and two layers of lining material having contiguous edges of both layers secured to the seam between one side thereof and one adjacent garment wall, one of said lining layers extending over the inside surface of said adjacent wall, and the other lining layer being separated from the first mentioned lining layer and extending over the inside surface of the opposite garment wall and covering the inturned seam to conceal the latter from view through the buttonholes.

2,452,854
ELECTROTHERAPEUTICAL APPARATUS
Henry William Joy, Yonkers, N. Y.
Application November 18, 1944, Serial No. 564,119
9 Claims. (Cl. 128—422)



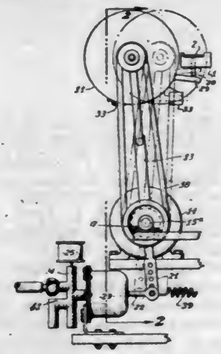
1. In apparatus of the class described, the combination of a pair of spark producing windings energized from a suitable source of electrical current, a rotary sparking device having a plurality of spark points co-operating with said windings, a condenser coupled to each of said windings and said sparking device, a high frequency oscillatory member having a pair of separate primary windings and a single secondary winding, said primary windings being separately coupled to said condensers, a pair of applicators connected to the terminals of said secondary winding, and circuit connections whereby the primary windings of said high frequency oscillatory member are alternately energized in rapid succession to neutralize time losses between cycles as generated.

2,452,855
MOLD FOR MAKING CASTINGS
Louis W. Kempf, Lakewood, and La Verne W. Eastwood, University Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 6, 1943, Serial No. 471,414
2 Claims. (Cl. 22—131)



2. A mold assembly for making from a light metal alloy a hollow cylindrically shaped casting closed at one end, comprising an external sand mold body closed at the bottom and having a mold cavity therein and a central opening extending upwardly from said cavity to the top surface of said mold body of sufficient size to permit the insertion and removal of a core, a metal core consisting of a portion within the mold cavity and a stem portion extending outside of said cavity, and a refractory sleeve snugly fitted between the stem portion of said core and the walls of the central opening and extending downwardly into the mold cavity whereby the core is aligned and supported in predetermined position and the mold cavity partially sealed against escape of air therefrom during the filling of said cavity with molten metal, said mold cavity being gated below the level of the lowest portion of the metal core, and having a blind riser at the top of said cavity, the portion of the sleeve extending into the mold cavity forming one wall of said riser.

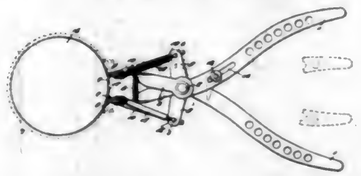
2,452,856
MATERIAL HANDLING DEVICE
Theodore W. Kerr, West Hollywood, Calif., assignor to E. E. Kotkin, doing business as Plastics Process Company, Los Angeles, Calif.
Application June 8, 1945, Serial No. 598,229
11 Claims. (Cl. 164—76)



1. A material handling device adapted to sever equal length pieces from a longitudinally movable strip of material, which comprises: a support

member adapted to receive and guide a strip of material for longitudinal movement; stop means positioned to engage a free end of a strip located on said support member and interrupt the longitudinal movement thereof; severing means located in spaced relation to said stop means, said severing means being adapted for transverse movement with respect to said strip from between one position entirely out of engagement with said strip into severing engagement with said strip and thence into a second position severing said strip; actuating means for effecting said transverse movement of said severing means between said positions in both directions; stop-disengaging means adapted to effect relative movement between said stop means and such free end to effect disengagement therebetween; and control means associated with said severing means for actuating said stop-disengaging means in timed relation to the movement of said severing means.

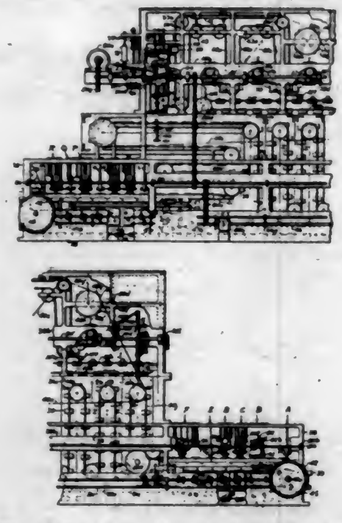
2,452,857
PISTON RING TOOL
George Mesaros, Linden, N. J.
Application October 13, 1945, Serial No. 622,169
2 Claims. (Cl. 29—223)



1. A piston ring tool of the character described comprising a pair of handles pivotally connected at one end, arms projecting from the pivoted end portions of said handles, legs pivotally mounted on the pivoted end portions of the handles, coacting pivoted and stationary jaws on the free end portions of said legs, lugs rotatably mounted on the arms by means passing at right angles through the arms, rods having one end operatively connected to the pivoted jaws and their other end portions threadedly engaging through the lugs at right angles to the axes thereof at one side of said arms for actuation by the arms and for varying the length of said rods so as to adjust the pivoted jaws with reference to the stationary jaws for varying the width of the jaw openings, and springs on the other side of said arms connected to the lugs and to the pivoted jaws for opening said pivoted jaws and for securing the lugs to the arms.

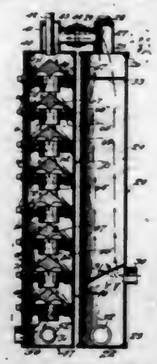
2,452,858
METHOD OF AND APPARATUS FOR PRODUCING POTTERY WARE
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Original application March 1, 1929, Serial No. 343,693. Divided and this application March 29, 1935, Serial No. 13,683
98 Claims. (Cl. 25—22)

1. Apparatus for fabricating pottery ware comprising a dryer having a main drying chamber arranged in zones and an opening for the removal of ware, a series of fabricating units mounted in co-operative relation with the dryer, a plurality of molds for supporting ware, means for advancing the molds to and through said fabricating units to have ware fabricated thereon, and then through the dryer all in a closed cycle, means for establishing a forced circulation of air through the drying chamber and around said molds and ware, means for controlling the temperature and



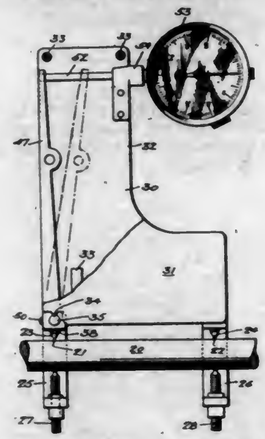
humidity of the air in each zone to thereby regulate the moisture content of the advancing ware in accordance with speed of travel thereof toward a point of removal.

2,452,859
DEODORIZING AND STEAM CONDENSING DEVICE
George D. Moody, Arkansas City, Kans., assignor of one-third to Ralph E. Moody, Arkansas City, Kans.
Application January 5, 1946, Serial No. 639,190
3 Claims. (Cl. 183—17)



2. In an apparatus of the class described, a steam tower having a bottom inlet and a top outlet and adapted for receiving therein through said inlet steam carrying solid matter therewith, means in said steam tower above said inlet for baffling steam arising in said tower and deflecting the solid matter toward the bottom of said tower, a condensing tower alongside the steam tower communicating at the top thereof with the outlet of said steam tower, vertically spaced diametrical plates in said condensing tower, conical solid condensing members in said condensing tower surmounting said plates in vertically aligned relation and spaced above said plates to provide for steam entering between the same and said plates, downtake tubes in said plates discharging onto subjacent condensing members and aligned vertically with the apices thereof, and means to introduce cooling water into the top of the condensing tower onto the uppermost condensing member, said condensing members having toroidal bottom recesses therein for pocketing the steam to facilitate condensing the same.

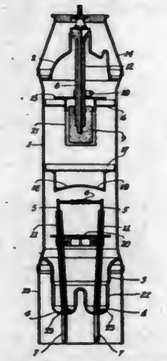
2,452,860
EXTENSOMETER OR STRAIN GAUGE
Franz C. Mostertz, Philadelphia, Pa., assignor to F. F. Metzger and Son, Philadelphia, Pa., a firm
Application June 12, 1947, Serial No. 754,177
5 Claims. (Cl. 33—148)



2. In an extensometer, cheek plates united together in spaced relation, cooperating knife edges on the cheek plates, a circular bearing shaft having knife edge slots extending across the knife edges with the knife edges in the slots, a lever block between the knife edges having a transverse opening through which the bearing shaft passes, rigid with respect to the bearing shaft, a gauge pin integral with the lever block and transverse to the bearing shaft, walls forming a spring slot transverse of the bearing shaft on the opposite side of the lever block from the gauge pin, a spring abutment in the spring slot, a spring acting on the spring abutment from the cheek plates, and a lever extension removably secured to the lever block and extending from the opposite end of the lever block from the gauge pin.

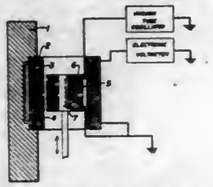
2,452,861
CURRENT CONVERTING TUBE
Johannes Gijsbertus Wilhelm Mulder, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 27, 1947, Serial No. 731,289
In the Netherlands October 17, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 17, 1961
4 Claims. (Cl. 250—27.5)

1. A rectifier tube, particularly for service in circuits involving potentials in excess of 100 volts and currents in excess of 10 amperes, comprising an envelope and within said envelope a gaseous filling at a pressure in excess of 0.3 millimeter of mercury, an oxide cathode, an anode having an active surface and an inactive surface, a first screening member surrounding the inactive surface of said anode, and a second screening member interposed between said cathode and the



active surface of said anode, said screening members being so cooperatively arranged with respect to said cathode and said anode that electrons emitted from said cathode are prevented from directly passing to the active surface of said anode thereby preventing arc-back at lower than normal cathode temperatures.

2,452,862
ELECTRIC GAUGING HEAD
Joseph J. Neff, South Euclid, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application October 19, 1945, Serial No. 623,342
3 Claims. (Cl. 171—119)

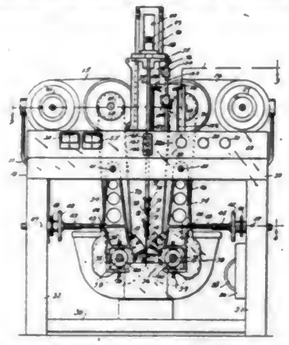


1. In an electrical displacement pickup mechanism, a pair of longitudinally arranged contiguous pickup coils of uniform outside diameters and coaxial windings, a driving coil disposed concentrically with respect to said pickup coils, an armature arranged concentrically within all of said coils and attached to one or more of said coils, said driving coil and said pickup coils being mounted to be relatively movable longitudinally of each other.

2,452,863
POLISHING MACHINE
Herbert T. Nicholas, Huron, Ohio, assignor to Nicholas Equipment Company, a partnership
Application September 29, 1945, Serial No. 619,367
11 Claims. (Cl. 51—85)

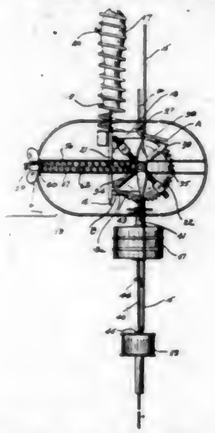
6. A polishing apparatus comprising a pair of polishing rolls, an operating member, a work-holder, a pair of parallel links pivotally interconnected between said member and said work holder, a fluid pressure system for moving the operating member to cause the movement of the

workholder to and from the bite of said rolls to move a workpiece between the coacting faces of the rolls, independent motors for driving said rolls, means for swinging the parallel links about their pivotal connection with the operating member to move the workholder in a direction sub-



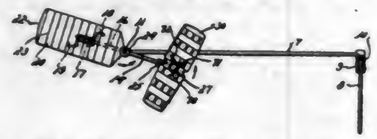
stantially parallel to the axes of the rolls, whereby a vibratory movement is imparted of the workholder in a direction transverse to the direction of reciprocation of the workholder, and an independent motor for actuating said last-named means.

2,452,864
MOTOR MECHANISM
Hans E. Nietsche, Detroit, Mich.
Application August 18, 1944, Serial No. 550,086
9 Claims. (Cl. 74—60)



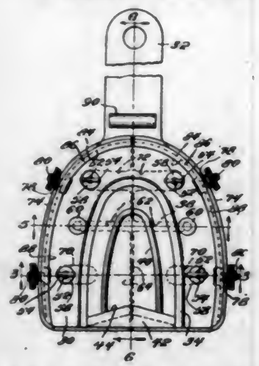
1. A power translating device of the class described, comprising: a rotatable shaft; a gear fixedly mounted on said shaft; reciprocating means for rocking said gear alternately in opposite directions; a crank shaft having a crank intermediate its ends; a pair of arms projecting diametrically outwardly from the crank of said crank shaft intermediate its ends at substantially right angles thereto; a yoke for connecting said arms to said gear bearing shaft; a stud projecting outwardly from the juncture of said arms and said crank at substantially right angles to the axes of both said arms and said crank; a supporting member for supporting said first-named shaft; a spring connected at one end of said stud and at the opposite end to said supporting member.

2,452,865
TOY
Hans E. Nietsche, Detroit, Mich.
Application October 22, 1945, Serial No. 623,690
7 Claims. (Cl. 46—58)



1. A toy of the class described comprising a supporting member; an angularly turned handle forming end on said member; a thumb-piece on said angularly turned end engaging the end of said member and non-rotatable relatively to said angularly turned end; an angularly turned portion on the opposite end of said member; a blade supporting member rotatably mounted on said second mentioned angularly turned end; and a plurality of rotatable blades carried by said blade supporting member.

2,452,866
COLLOID DENTAL TRAY
Carl H. Oertel, Baltimore, Md.
Application September 26, 1945, Serial No. 618,737
5 Claims. (Cl. 32—17)

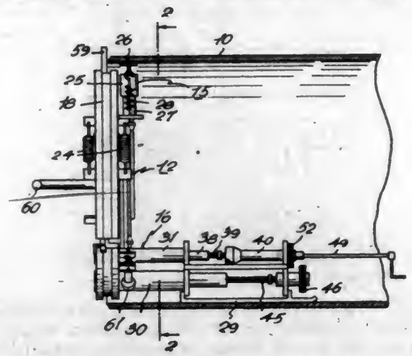


1. A device of the character described, comprising a base, a semi-elliptical groove surrounding the medial portion of said base, a palatal section having a flanged edge, which is receivable in said groove, component side sections adjustably mounted on said base for relative movement to effect contraction or expansion for width and height after placement in a human mouth, and means for retaining the sections in fixed relation to each other after they have been properly adjusted to conform to the human mouth.

2,452,867
HYDRAULIC INTERNAL LINE-UP CLAMP
Harold C. Price and Bernard V. Elliott, Bartlesville, Okla., assignors, by mesne assignments, to H. C. Price Co., Bartlesville, Okla., a corporation of California
Application July 12, 1945, Serial No. 604,586
2 Claims. (Cl. 113—103)

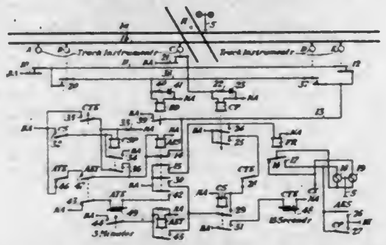
1. An internal line-up clamp comprising a supporting frame member, a stationary ring section rigidly mounted on said frame member, a movable ring section carried by said stationary ring section, hydraulic means on said stationary ring section for moving said movable ring section

outwardly, a hydraulic jack carried by said frame member, a pump mounted on said frame member, said pump comprising a fluid cylinder connected to the jack hydraulic means, a second fluid cylinder connected to the ring section hydraulic means, a piston within each of the cylinders, a



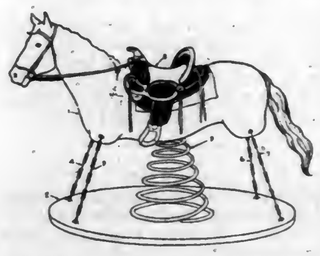
threaded shaft mounted on each piston, and a longitudinally movable shaft carried by said frame, said shaft being movable inwardly to engage and operate one of said threaded shafts, and movable outwardly to engage and operate the other of said threaded shafts.

2,452,868
DIRECTIONAL CONTROL MEANS FOR HIGHWAY CROSSING SIGNALS
Joseph A. Quinlan, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 22, 1946, Serial No. 711,586
6 Claims. (Cl. 246—125)



1. In combination, a stretch of railway track intersected by a highway, a highway crossing signal located at the intersection, a first track instrument located at a selected point to one side of the intersection, said track instrument having a contact biased to a closed position and opened by a train passing over the instrument, a master relay having a stick circuit completed through said contact of the first track instrument, operating circuit means having a first path governed by said master relay to operate said signal when the master relay is deenergized, a second track instrument located adjacent said intersection and having a contact biased to an open position and closed when a train passes over that instrument, a slow release relay energized through said contact of the second track instrument, a second circuit path of said operating circuit means governed by a contact of said slow release relay to operate the signal when the slow release relay is picked up, a first restoring circuit means including a time element relay having a contact closed in a preselected relatively short period of time and governed by said slow release relay when picked up, a second restoring circuit means including a time element relay having a contact closed in a preselected relatively long period of time and governed by said master relay when released, and a pick-up circuit means for said master relay and made effective when the contact of either of said time element relays is closed.

2,452,869
HOBBYHORSE
Donald L. Richards, Portland, Oreg.
Application May 3, 1947, Serial No. 745,819
6 Claims. (Cl. 272—52)



2. A hobby toy comprising a base, a compression spring in erect position normal to the median area of said base, a body having a seat thereon mounted over the spring and at least four chains fastened to both the said body and the said base, in tensioned spaced relationship, which, owing to correct spacing and tension hold the spring in compression, preventing the body from being moved in any direction without further compression of the spring.

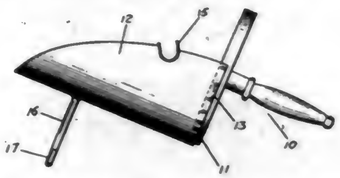
2,452,870
REACTION PRODUCT OF ROSIN AND COPOLYMER OF VINYL ACETATE AND AN ALPHA-UNSATURATED CARBOXYLIC ACID ESTER AND PROCESS OF MAKING SAME
John B. Rust, West Orange, and William B. Canfield, Montclair, N. J., assignors, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application July 21, 1944, Serial No. 546,050
8 Claims. (Cl. 260—27)

1. An oil-soluble resin of low acid number comprising the heat-reaction product of rosin and a copolymer of from 1 to 5 parts of vinyl acetate with 1 part of an alpha-unsaturated carboxylic acid ester containing more than 5 carbon atoms, the rosin being in amount of from 100 to 300 parts to 30 to 100.7 parts by weight of copolymer sufficient to furnish rosin acids substantially equivalent to the acetic acid radicals of the copolymer, the acid number of said heat-reaction product being below 40.

2,452,871
ASH TRAY
Frederick Valentine Schnepel, Middle River, Md.
Application March 26, 1947, Serial No. 737,262
3 Claims. (Cl. 131—241)

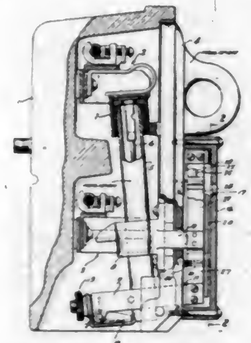
1. An ash tray for cigars and the like comprising in combination, a shovel plate of semi-circular form curved and tapered towards its front end,

holders for cigars supported on the edges of said plate and arranged to assume a horizontal position when said plate is normally placed, a back of disc-like contour having its peripheral surface partly encompassed by said plate and secured thereto, a handle extending rearwardly from said



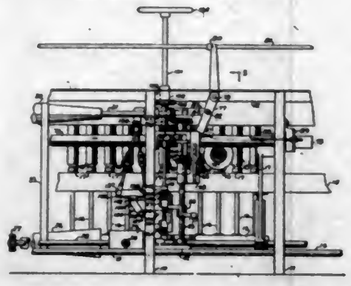
back with its end portion adapted to rest on a horizontal surface when aligned with the edge of said back resting thereon, and a support on the underside of said shovel plate for supporting the latter in a tilted position with said edge and end portion also in contact with said surface.

2,452,872
COMBINED FUSE AND DEMAND METER
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application August 5, 1947, Serial No. 766,300
5 Claims. (Cl. 171—34)



1. In a device of the class described, a housing having an upper and a lower stationary contact, said housing having means for removably receiving doors provided with fuses, a door arranged to be received by said housing, a fuse tube carried on the inner side of said door and having an upper, a lower, and an intermediate contact with the upper and intermediate contacts arranged to respectively engage the upper and lower stationary contacts when the door is in closed position, a fuse link within said fuse tube electrically connecting the upper and lower contacts of said fuse tube, a demand meter located on the outer side of said door and including a bimetal strip and a yielding conducting strip having free ends electrically connected together, the intermediate contact of said fuse tube having a portion projecting through said door and constituting a rigid support for the other end of said yielding conducting strip, the other end of said bimetal strip being rigidly held and being electrically connected to the lower contact of said fuse tube, and registering means actuated by said bimetal strip.

2,452,873
AUTOMATIC BUILDER MOTION KNOCKOFF FOR ROVING FRAMES
Johnnie J. Seawright, Goldville, S. C.
Application April 4, 1947, Serial No. 739,346
5 Claims. (Cl. 57—79)

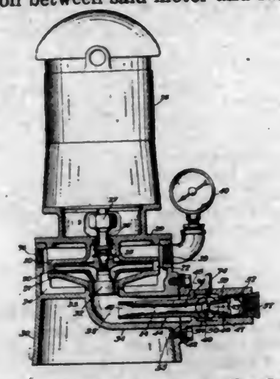


1. In a roving frame having a bolster rail which is moved up and down by a conventional builder motion, said frame having a member carried by the bolster rail and having a rotatable shaft carried thereby and said shaft having oppositely threaded portions thereon and a pair of brackets mounted on the threaded portions, said frame having driven means for imparting rotation to the shaft to move the two brackets incrementally towards each other during the placing of roving on the conventional bobbins of the machine, said frame having a second rotatable shaft provided with a pair of arms disposed 180° apart and due to the rotation of the second shaft being adapted to pass below and above said brackets during their normal up and down movement, said frame also having a stop motion lever and means connected thereto for holding the stop motion lever in running position, an outwardly projecting tongue adjustably mounted on each of the brackets, an oscillatable member having a connection with the member for holding the stop motion lever in running position and also having a portion projecting into the path of the tongues mounted on the two brackets, whereby when the brackets move below or above a predetermined point, one of the tongues adjustably mounted thereon will engage the portion projecting into the paths of the tongue mounted on the brackets to move the stop motion lever to a position to stop the frame.

2,452,874
PUMPING SYSTEM
Walter Shallenberg, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a corporation of Ohio
Application October 24, 1945, Serial No. 624,269
8 Claims. (Cl. 103—5)

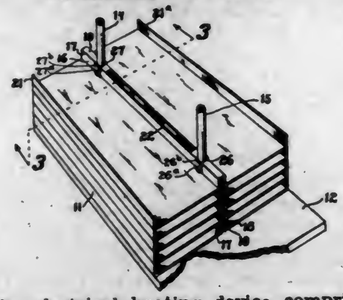
1. A pumping system having a fluid service line, a rotary pump having a suction inlet, a discharge chamber surrounding said pump, a pressure tank having an inlet and an outlet, a discharge conduit from the discharge chamber to the inlet of the pressure tank, a manifold, a jet pump carried by said manifold and discharging into the inlet of the pressure pump, a connection between the outlet of the pressure tank and said manifold, a connection between said manifold and the fluid service line, whereby a portion of the fluid supplied to the pressure tank returns to the jet pump to supply energy thereto and another portion flows to the fluid service line, a suction line connected to said manifold, a check valve in said suction line closely adjacent to the jet pump,

a motor adapted for intermittent operation, a connection between said motor and said pressure



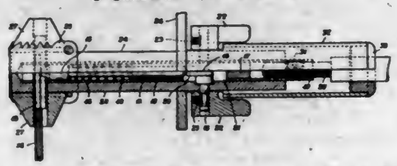
pump, and means responsive to the fluid pressure in said tank to control the operation of said motor.

2,452,875
CONVECTION TYPE ELECTRICAL HEATING DEVICE
Robert B. Shannon, Akron, Ohio
Application November 7, 1945, Serial No. 627,123
6 Claims. (Cl. 219—38)



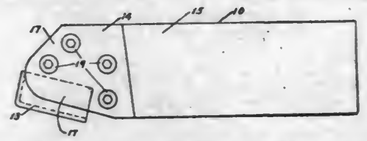
1. An electrical heating device comprising a unit including a plurality of separate vanes, each of said vanes being formed of heat-conducting sheet material to provide a channel-shaped rib extending completely across the vane and defining an open-ended groove, said ribs of the vanes being slotted along the outer web portion thereof, means for securing said vanes in spaced relation with said slots in alignment, and an elongated electrical heating element received through said slots of said ribs.

2,452,876
WELDING ROD AND ELECTRODE HOLDER
Henry Shaw, Bessacarr, Doncaster, England
Application September 4, 1945, Serial No. 614,388
In Great Britain September 4, 1944
5 Claims. (Cl. 219—8)



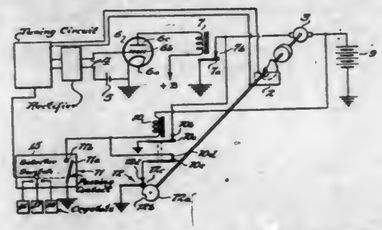
1. In a holder for a welding rod, the combination with an insulated, electric-cable-receiving, tubular body carrying an insulated, welding-rod-receiving head in which a welding rod is holdable in a guideway therein by a plunger in said body, of oppositely disposed separately renewable insulating cover members for said head insulatingly extending about and enclosing the guideway therein, and means detachably securing said cover members to said head.

2,452,877
TOOL BIT AND HOLDER THEREFOR
Henry M. Sheridan, Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn., a corporation of Connecticut
Application June 2, 1945, Serial No. 597,274
1 Claim. (Cl. 29—96)



A tool holder comprising a shank having an extended portion providing a flat seat with a terminal wall extending in a single plane from said seat, said plane being inclined rearwardly from the plane of the seat and also extending diagonally across said seat, a bit clamp mounted over said seat having a rear wall snugly embracing and conforming to said terminal wall and having an open sided bit receiving recess therein extending inwardly in the direction of said diagonal wall and forming in combination with said seat a bit pocket having a top, bottom, inner end and side wall, and means for forcing said clamp toward said seat, the inner end and side wall of the bit pocket being at right angles to each other, the end wall slanting inwardly at an angle to a perpendicular transverse plane through the shank axis and the side wall slanting longitudinally towards said axis.

2,452,878
AUTOMATIC TUNING CONTROL CIRCUIT
Hulburt C. Tittle, Cheektowaga, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y.
Application February 8, 1944, Serial No. 521,512
9 Claims. (Cl. 250—40)



1. In automatic tuning apparatus, in combination, a frequency determining element, a work circuit including a power source for delivering energy limited to a frequency determined by said element, said work circuit having a variable tuning instrumentality, power means for varying said tuning instrumentality, energy responsive means for interrupting operation of said power means in response to delivery by said work circuit of a predetermined level of energy, said last mentioned means being operatively associated with said work circuit and means for causing op-

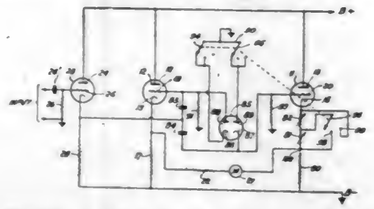
eration of said power means to move said tuning instrumentality through completion of one tuning cycle irrespective of the level of energy delivered by said work circuit.

2,452,879
APPARATUS FOR IMMERSING EDGE PORTIONS OF BLACK PLATE IN SUCCESSIVE TREATING BATHS
Walter M. Tomkins and Albert C. Larkin, Pointe St. Charles, Montreal, Quebec, and John C. Anthony and Oakland K. Ross, St. Laurent, Quebec, Canada, and Ralph M. Mero, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 9, 1943, Serial No. 497,982
In Canada August 3, 1943
7 Claims. (Cl. 134—67)



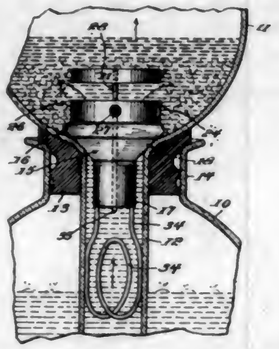
1. In apparatus for preparing a plate blank for forming a can body, treating bath means; conveyor means; means carried on said conveyor means for gripping an upper portiton of a blank and holding the blank suspended from said gripping means with a first edge portion of said blank spaced below and completely exposed and unencumbered by said gripping means; means for reversing the gripping of said blank on the conveyor means whereby when reversed the blank will be held by said gripping means and suspended therefrom with a second edge portion of said blank spaced below and being completely exposed and unencumbered by said gripping means; means for driving said conveyor means; and means mounting the conveyor means to move a blank being conveyed in a path such that said first edge portion of the blank while completely exposed will be projected into said treating bath means and removed therefrom prior to reversal of said blank, and said second edge portion while completely exposed will be projected into said treating bath means and removed therefrom after said reversal.

2,452,880
ELECTRONIC VOLTMETER
John M. van Beuren, Morristown, N. J., assignor to Measurements Corporation, Boonton, N. J., a corporation of New Jersey
Application July 8, 1944, Serial No. 544,123
6 Claims. (Cl. 171—95)



1. Electronic alternating current voltmeter including an input filter circuit for removing direct current components from the voltage to be measured, an input coupling tube, means connecting the output of said filter circuit to the input of said tube, a diode rectifier, means capacitatively connecting said diode to the output circuit of said tube, a balanced electronic direct current indicator including two tubes connected as cathode followers and a direct current meter connected between the cathodes of said indicator tubes, means connecting the input grid of one indicator tube to the output of said diode whereby rectified voltage is fed to said direct current indicator, a capacitative connection from the input grid of the other indicator tube to the output circuit of said input tube, and a resistance connected between said last mentioned grid and ground, whereby alternating voltage components are impressed in identical phase upon the respective tubes of said indicator and thereby maintain said indicator in balance with respect to said alternating voltage components.

2,452,881
SAFETY VALVE COFFEE MAKER
Leo W. Vezie, Phoenix, Ariz.
Application June 27, 1947, Serial No. 757,519
4 Claims. (Cl. 210—162)

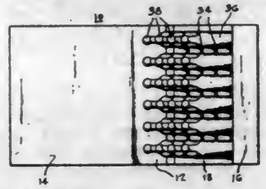


4. A filter unit for a coffee maker of the kind having upper and lower bowls and a spout establishing communication between the bowls, said unit comprising a hollow body having open upper and lower ends and a conical enlargement, said body being adapted to be arranged in the bottom of the upper bowl with its lower and upper ends communicating respectively with the spout and upper bowl and with its conical portion seated on the bottom of the upper bowl, the upper end of the body constituting a valve seat, the upper end of the body having a groove and lateral openings communicating with the groove and with the upper bowl and the interior of the body, a filter in the groove, a gravity seating valve on said seat adapted to be unseated by and during the flow of the water upwardly from the lower to the upper bowl through the body and adapted to seat when said upward flow ceases so as to cause the infusion to flow through the filter during its downward passage from the upper to the lower bowl, means connecting the valve to the body to maintain the valve in longitudinal alignment with the body and to guide the valve onto its seat when flow from the lower to the upper bowl ceases, and means releasably securing the body within the upper bowl.

2,452,882
FOLDING MATCH BOOK
August Visco, Philadelphia, Pa.
Application May 9, 1945, Serial No. 592,741
1 Claim. (Cl. 206—29)

A folding match book comprising a blank formed of two hinged portions foldable one upon

the other so that one of said portions constitutes a base and the other of said portions constitutes a cover, a marginal strip hingedly connected to, and foldable upon, the end of said base remote from said cover, a false cover overlying said base and having tabs at opposite ends thereof, means securing the tab on one end of said false cover to said marginal strip, means connecting the tab on the other end of said false cover to said base, said tabs being hinged to said false cover in such a manner that when said marginal strip is folded upon the adjacent end of said base, said false cover lies substantially flat against said base and



when said strip is positioned at an angle to the plane of said base, said false cover will be spaced from said base, said false cover having at least one slot therein extending substantially parallel to said strip, a bank of matches having hinged portions at the untreated ends thereof, and means securing said hinged portions to said base, the shanks of said matches extending through said slot whereby, when said false cover lies flat against said base, said matches are disposed substantially parallel to said base and, when said false cover is spaced from said base, said matches are disposed substantially normal to said base.

2,452,883
ANTISPLASH HEEL
Curry Ora Walper, Kitchener, Ontario, Canada
Application January 30, 1946, Serial No. 644,373
7 Claims. (Cl, 36—70)



1. In a heel for an article of footwear including a tread body, the tread body having a cavity formed in the inner forward corner portion thereof, said cavity being produced by forming a substantially vertical wall partially across the body from the inner side and back from the breast thereof and forming a ceiling extending from the height of the wall downwardly and forwardly and terminating at the lower margin of the breast at an acute angle thereto, the breast being uninterrupted.

2,452,884
METHOD AND DEVICE FOR MOLDING
Richard D. Werner, New York, N. Y., assignor to R. D. Werner Co., Inc., New York, N. Y., a corporation of New York
Application July 7, 1945, Serial No. 603,697
15 Claims. (Cl. 18—1)



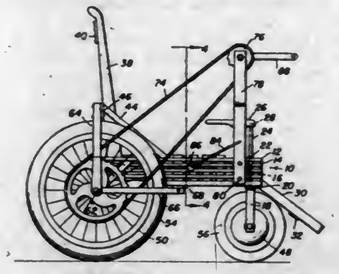
1. A molding device adapted to receive material from a hot extrusion die, comprising the combination of a cooled coil supporting the extruded material, a tank for liquid into which the extruded material passes from the coil to be cooled in the tank, and a jig in the tank adapted to be submerged by the liquid through which the extruded material is drawn.

2,452,885
HYDRAULIC SHOCK ABSORBER
Louis E. Willard, New York, N. Y.
Application February 8, 1946, Serial No. 646,231
2 Claims. (Cl. 188—88)



1. A shock absorber of the kind described, comprising a dash-pot, closed at its bottom and open at the top thereof, a bellows-like head covering the open top, a tubiform body depending within the pot and attached to the head, a piston cylinder rising within the body and fixed at the bottom of the latter, a piston working within the cylinder and joined with the closed bottom of the pot, the bottom of the cylinder being ported to the body and the pot, check valves controlling said ports and a check valved vent leading from the upper portion of the cylinder to the body.

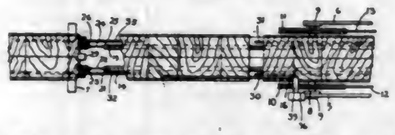
2,452,886
WHEEL CHAIR
Frank E. Wood, Sturgis, S. Dak.
Application December 15, 1947, Serial No. 791,834
1 Claim. (Cl. 280—250)



A wheel chair including a combination horizontal frame and seat, a pair of hind wheels mounted on the sides adjacent the rear edge of said frame, a pair of transversely spaced vertical forks pivoted on the forward portion of said frame, an axis member of one fork extending upwardly through said frame and having a steering handle thereon, a pair of front wheels freely rotatively mounted in the forks, and a back for the chair, said frame comprising a plurality of

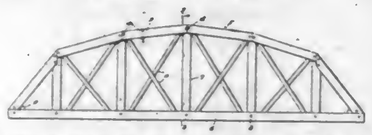
layers of longitudinally disposed members and interspaced transversely disposed members and said axis member extending through overlapping portions of said members.

2,452,887
MACHINE FOR MAKING WIRE-BOUND BOXES
Glen P. Woodbury, Mountain Lakes, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Application May 23, 1945, Serial No. 595,372
9 Claims. (Cl. 140—93)



1. The combination with the delivery end of a box-blank stapling machine and the receiving end of a box-blank bight-forming machine, of a flexible band pivotally connected to the delivery end of the stapling machine and adapted to support box blanks delivered from the stapling machine, a guide mounted on the receiving end of the bight-forming machine, a flexible cable connected with the band and movable on the guide, and a weight connected with the flexible cable, whereby a lifting action will be maintained on the flexible band and the box blanks being transferred from the stapling machine to the bight-forming machine.

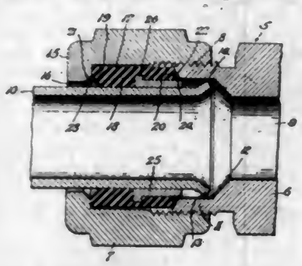
2,452,888
TOY RAILWAY BRIDGE
Ernest M. Woodward, McDonald, Ohio
Application February 21, 1945, Serial No. 579,088
1 Claim. (Cl. 46—17)



A toy railway bridge comprising a pair of side frame members, each including a lower girder of channel shape in cross-section, and upper sectional girders also of channel shape in cross-section, said upper girders being inverted, posts having their ends secured in the channels of said upper and lower girders, crossed braces connecting adjacent posts, blocks in the channels of the lower girders adjacent the ends thereof to reinforce the sides of the girders, a cross-brace connecting the upper edges of the side frames in spaced apart relation, and a rail bed secured to the inner sides of the lower girders comprising flat side bars secured edgewise to said lower girders, and cross ties secured to the underside of said flat bars.

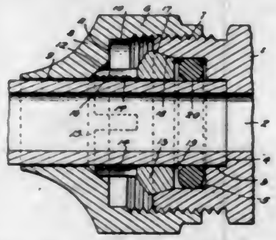
2,452,889
FLEXIBLE COUPLING
John N. Wolfram, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application November 20, 1944, Serial No. 564,259
4 Claims. (Cl. 285—90)

1. A coupling for tubes comprising a threadedly engaged body member and nut defining therebetween an annular chamber, said body member being counterbored for receiving one end of the tube, a sleeve surrounding said tube and



telescoping within said counterbore, and a deformable packing disposed within said annular chamber and around a portion only of said sleeve for sealing said tube within said coupling.

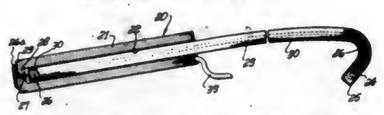
2,452,890
COUPLING FOR TUBES
John N. Wolfram, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application January 24, 1945, Serial No. 574,266
1 Claim. (Cl. 285—123)



A coupling for tubes comprising a body member, a nut having a threaded engagement therewith, said nut having an inwardly extending flange provided with an inclined camming face at the inner side thereof, said body member having a counterbore providing an annular recess surrounding the tube, said counterbore terminating in an inclined face at the outer end thereof, a sleeve disposed within said nut and body member, said sleeve having spaced gripping fingers at the outer end portion thereof adapted to be engaged by the inclined camming face of the nut for contracting the same into gripping engagement with the tube when the nut is turned on to the body member, said gripping fingers having teeth biting into said tube, said sleeve at the inner end thereof having a solid head provided with an inclined face adapted to wedgingly engage the inclined face of the body member whereby the inner end portion of the sleeve is contracted into light engagement with the tube and said sleeve is held from rotation during the turning of the nut, said sleeve head closing the counterbore in the body member and forming a closed chamber for a sealing gasket and a deformable ring sealing gasket disposed in said chamber, said gasket being dimensioned so as to make sealing contact with the tube and the outer wall of the bore of the body member, said gasket being free to move longitudinally in said chamber whereby fluid pressure on the line will

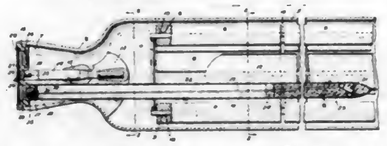
force the gasket against the solid head of the sleeve and cause the gasket to be expanded into tighter sealing contact with the tube and the body member.

2,452,891
GARMENT CLAMP
Yervant Amber, Los Angeles, Calif.
Application February 13, 1945, Serial No. 577,700
6 Claims. (Cl. 38—108)



1. A clamping device for use with an ironing board or the like; said device comprising a hollow handle member, a hook member fixed on said handle member, a second hook member having a movable relation to said first named hook member, a rod integrally joined to said second named hook and extending therefrom to said handle to be telescoped therein, and a tensile spring disposed around said rod and having one end fastened to said handle and the other end to said second named hook.

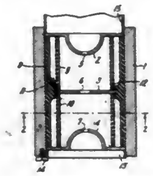
2,452,892
IGNITER FOR ROCKETS
Robert A. Appleton, Inyokern, Calif., Clarence N. Hickman, Jackson Heights, N. Y., and Carold F. Bjork, Luke, Md., assignors to the United States of America as represented by the Secretary of War
Application May 7, 1947, Serial No. 746,548
3 Claims. (Cl. 102—49)



3. In combination a rocket motor chamber adapted to contain a propellent material combustible to generate a fluid under pressure, a constricted Venturi-like orifice for the high velocity discharge of said fluid and an envelope for containing an igniter composition for said propellant, said envelope having a generally elliptical cross-section permitting flexibility in the direction of its minor axis only whereby said envelope may be inserted into said chamber through said orifice.

2,452,893
ELECTRON LENS ASSEMBLY
Charles H. Bachman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 31, 1946, Serial No. 673,218
4 Claims. (Cl. 250—162)

1. An electrostatic electron lens structure comprising a supporting cylinder, three circular electrodes arranged coaxially within said cylinder and provided with central apertures, the outer of said electrodes being supported directly by said cylinder and having their apertures aligned thereby, first insulating means of accurately dimensioned thickness for supporting the intermediate of said electrodes within said cylinder and for aligning the apertures thereof with the apertures of said outer electrodes, and additional insulating means of accurately dimensioned



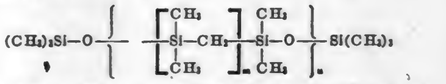
length positioned between said outer electrodes and said intermediate electrode for spacing said outer electrodes axially within said cylinder.

2,452,894
PROCESS FOR PRODUCING MAGNESIUM-ZIRCONIUM ALLOYS
Charles J. P. Ball, London, Alfred Claude Jessup and Edward Frederick Emley, Clifton Junction Works, near Manchester, and Joseph Beattie Wilson, Swinton, Manchester, England, assignors to Magnesium Elektron Limited, London, England, a British company
No Drawing. Application July 17, 1946, Serial No. 684,263. In Great Britain July 24, 1945
3 Claims. (Cl. 75—168)

1. A process for producing magnesium base alloys containing zirconium wherein alloying is effected by reacting the magnesium with at least one substance selected from the group consisting of double compounds and mixtures of fluorides of the elements potassium and zirconium, the ratio of zirconium fluoride to potassium fluoride exceeding that in K_2ZrF_6, and subsequently agitating the melt.

2,452,895
LINEAR SILMETHYLENESILOXANE
Ben A. Bluestein, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 22, 1948, Serial No. 3,812
4 Claims. (Cl. 260—448.2)

1. Chemical compounds corresponding to the general formula

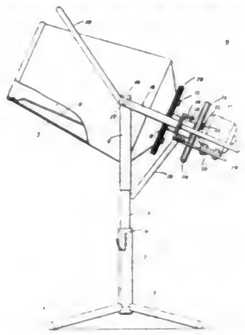


where m and n are each a whole number equal to from 1 to 2.

2,452,896
CEMENT MIXER
Homer W. Bonney and Mahlon Bonney, Roseville, Calif.
Application September 1, 1945, Serial No. 613,988
4 Claims. (Cl. 259—177)

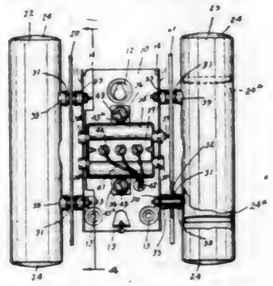
1. A cement mixer comprising a pedestal including a vertical tubular standard, a vertical post seated in the standard and turnable therein about a vertical axis, an upwardly opening yoke on the upper end of the post, a mixing drum extending through the yoke, a frame structure on which the drum is journaled, means mounting the frame structure on the yoke for independent vertical tilting of the drum on a horizontal axis between loading and discharging positions at any point to

which the yoke may be turned about such vertical axis, and drive means mounted in unitary



relation on the frame structure and connected in driving relation to the drum.

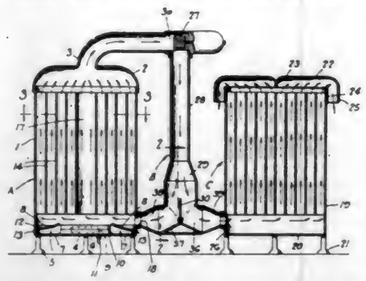
2,452,897
MOUNTING FOR ELECTRIC CHIME SIGNAL DEVICES
Gisbert L. Bossard, Cleveland, Ohio
Application November 22, 1946, Serial No. 711,641
4 Claims. (Cl. 177—7)



1. A signal device including a back plate, webs extending forwardly from each side of said plate at right angles thereto, said webs being cut away throughout the central portions thereof, resonator tubes mounted on said webs in lateral spaced and parallel relation thereto, tone bars supported by said webs between and in spaced relation to said tubes, respectively, and an electromagnetic actuating unit secured to said back plate having laterally operating strikers for selectively striking said tone bars substantially centrally thereof to set up sound waves opposite the cut away portion of said webs, whereby said webs will not interfere with said sound waves and the tonal quality and volume of said bars and resonator tubes.

2,452,898
INTERNAL HEAT INTENSIFIER
Earl C. Bourdette, Chickasaw, Ala.
Application May 3, 1945, Serial No. 591,819
1 Claim. (Cl. 237—50)

A heating radiating recirculating and distributing apparatus comprising a heating unit having a cylindrical casing, spaced vertically arranged concentric corrugated baffles within the cylindrical casing of said heating unit, spaced cylindrical concentric inner walls within said cylindrical casing, said inner walls relatively spacing said baffles, a supporting base for said cylindrical casing, a heating element below the baffle on the support for said casing and an air outlet above the baffles, a distributing unit having a cylindrical casing, spaced vertically arranged concentric, corrugated baffles, cylindrical concentric inner walls within said cylindrical casing for said distributing unit, said inner walls adapted to relatively space said baffles, a supporting base for the cylindrical casing of said distributing unit and a hot air intake below the baffles on the supporting base of



said distributing unit, a hood over the distributing unit and spaced therefrom to distribute heated air rising between the baffles, a conduit connecting the heating unit with the distributing unit, a blower interpolated in said conduit, a second conduit leading back into the heating unit from the first conduit and a valve for diverting air from the first conduit into the second conduit for recirculation through the heating unit, said valve being pivoted above a baffle in the distributing chamber interpolated in the first conduit having connection with the second conduit.

2,452,899
SLIDE FASTENER
Alexander M. Brown, Ocean Grove, N. J., assignor of forty per cent to Madison Dallas Pickens, New York, N. Y.
Application May 20, 1942, Serial No. 443,788
13 Claims. (Cl. 24—205.1)

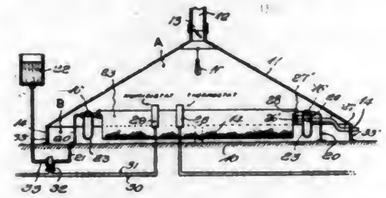


1. In a slide fastener, a plurality of continuous runways relatively inflexible transversely thereof but relatively flexible longitudinally thereof, one of said runways having spaced shoulders thereon to receive the other runway therebetween, said other runway carrying a strip of resilient material of less transverse rigidity projecting beyond one edge thereof only, the combined width of said other runway and strip being greater than the distance between said shoulders, and a slider slidable on said runways for compressing said strip to reduce said combined width and permit engagement of said other runway with said shoulders.

2,452,900
BROODER
John David Burkholder, Jr., Harrisonburg, Va.
Application July 31, 1944, Serial No. 547,340
12 Claims. (Cl. 119—34)

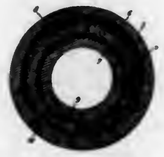
1. In a brooder, a hover, tubular flexible side curtain means arranged beneath the hover and defining the side of a zone, the curtain means

being closed so that a pressure may be built up therein in excess of atmospheric pressure, and



means to supply air under pressure to the tubular curtain means.

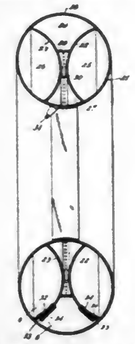
2,452,901
ELECTROMAGNETIC INDUCTION APPARATUS
Guglielmo Camilli, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 16, 1944, Serial No. 549,779
6 Claims. (Cl. 175—358)



6. A transformer comprising, in combination, a pair of linked rings which are narrow in comparison with their outside diameter, one of said rings being an insulated conductive winding, the other of said rings being a core on which is wound an insulated conductive winding, said last-mentioned winding being concentrated in the vicinity of the first-mentioned winding but extending over substantially all of said core, said core having a removable joint remote from said first-mentioned winding whereby said rings can be separately preconstructed and subsequently linked together.

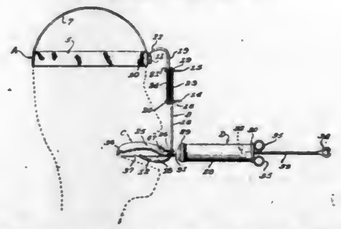
2,452,902
SAFETY INNER TUBE FOR PNEUMATIC TIRES
Bernard Carlin, Orange, Tex., assignor of forty-nine one hundredths to W. O. Hailip and Richard B. Cammack, both of Nederland, Tex., and Joe Ener, Jr. and Lester De Cordova, both of Beaumont, Tex.
Substituted for application Serial No. 293,599, September 6, 1939. This application December 7, 1945, Serial No. 633,414
3 Claims. (Cl. 152—342)

1. A safety pneumatic inner tube of the class described comprising a main tube; a pair of arcuate webs within the tube each extending from one side of the rim portion to a side of the tread portion and dividing the tube into three chambers, one in each side and one extending through the middle from the rim portion to the tread portion; reinforcing rubberized ribs connecting said webs together near the center of the tube; an inflating valve connected to the middle chamber; double acting check valves on opposite sides of the walls between the middle chamber and the side chambers connected to permit inflation of the side chambers through the middle chamber but preventing escape of air from the middle



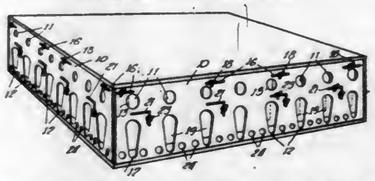
chamber through a side chamber after either side chamber blows out.

2,452,903
IMPRESSION TAKING MEANS
Earl G. Coffey, Sioux City, Iowa
Original application February 18, 1946, Serial No. 648,220. Divided and this application February 21, 1946, Serial No. 649,199
6 Claims. (Cl. 32—17)



1. An impression taking device including a tray for use in taking impressions of the gums in producing complete upper dentures, said tray being provided at the bottom with a transverse groove, and means for securing the tray within the patient's mouth and yieldingly pressing said tray against the gums, said means comprising a head band and a spring clamp suspended from the front of said head band and having a rearwardly extending lower jaw spring-pressed upwardly and embodying a transverse part adapted to seat in said transverse groove of the tray.

2,452,904
BROODER
Monroe C. Cole, Dallas, Tex.
Application February 16, 1945, Serial No. 578,305
7 Claims. (Cl. 119—31)



1. In a brooder, a wall having a plurality of horizontally spaced, vertically elongated openings therein, closures for each of said openings, suspended from a common mounting, said wall hav-

ing substantially L-shaped slots at spaced intervals the length thereof, threaded studs on said mounting receivable in said slots, and means mounted on said studs for moving said mounting vertically and horizontally to correspondingly move said plates relative to their respective openings.

2,452,905
PUSH-BUTTON TYPE PENCIL
Francesco Collura, New York, N. Y.
Application April 16, 1946, Serial No. 662,472
3 Claims. (Cl. 120—17)



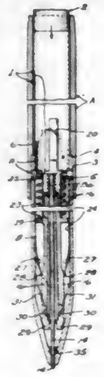
1. In a magazine pencil, a casing, a magazine section telescoping therein, jaw members carried with said magazine section and extending to the lower end of the pencil casing, a cam ring fixed within the pencil casing toward the lower end thereof, outer cam faces on said jaw members adapted to cooperate with said cam ring to hold the jaws locked in writing position, a cam projecting from each jaw member, fixed cams mounted within the casing cooperating with said jaw cams to hold the jaws locked against the lead on downward movement of the jaws and free from the lead during the upward movement thereof.

2,452,906
MECHANICAL PENCIL OF THE PUSH-BUTTON TYPE
Francesco Collura, New York, N. Y.
Application June 7, 1946, Serial No. 675,004
2 Claims. (Cl. 120—17)



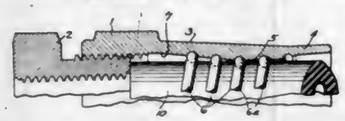
1. In a magazine pencil, a casing, a magazine cylinder telescoping therein, feed jaws carried with said magazine cylinder within said casing at its lower end, said jaws having normally light frictional contact with the lead stick, cam wings carried by said jaws, holding jaws pivoted within said casing, cam studs on said holding jaws between their pivots and the lower jaw faces thereof, said cam wings and cam studs cooperating on the downward movement of the feed jaws to release the holding jaws and to increase the pressure upon the lead of the feed jaws and upon the upward movement of said feed jaws to force the holding jaws against the lead and to relieve any contact of the feed jaws with the lead, a wedge-shaped flange carried with said reciprocable magazine cylinder the inner upper ends of said holding jaws being inclined to cooperate with said wedged-shaped flange.

2,452,907
MAGAZINE PENCIL OF THE PUSH-BUTTON TYPE
Francesco Collura, New York, N. Y.
Application July 1, 1946, Serial No. 680,577
7 Claims. (Cl. 120—17)



1. In combination, a pencil casing, a reciprocable push button within the upper end thereof, lead feed jaws within the casing, a connection between said push button and said feed jaws embodying a spring, such connection comprising means whereby, upon depression of the push button, the feed jaws are raised to a higher point within the casing, this movement also acting to compress the spring, which spring upon release of the push button pressure will return the lead feed jaws to a position toward the pencil tip.

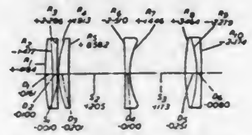
2,452,908
DETACHABLE HOSE COUPLING
Irving Cowles, Chicago, Ill.
Application June 21, 1946, Serial No. 678,466
7 Claims. (Cl. 285—86)



1. A coupling including a shell equipped with a mouth portion bordering an inner threaded wall portion of said shell of inner diameter intermediate of its end portions appreciably smaller than the smallest diameter portion of said mouth portion, said thread being spiro-

helical and of greatest diameter at its inner end, said thread being spaced from the inner end of said shell, an axial stem having a frusto-conical outer surface portion opposed to and cooperating with said threaded wall portion of said shell to provide an annular space of progressively increasing diameter from its outer to its inner end, the greatest diameter portion of said stem being opposed and cooperating with the greatest inner diameter portion of said shell to provide an inner chamber having an outer wall surface of length approximately equal to or greater than a complete turn of said thread, the depth of the latter being equal approximately to one-fifth of the annular space between said surface and the said stem and presenting an arcuate crown throughout substantially its entire length.

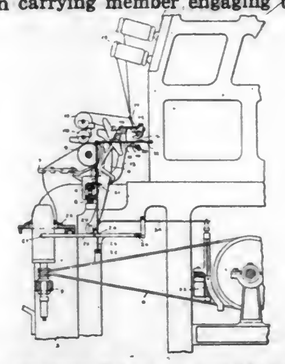
2,452,909
THREE-COMPONENT TELEPHOTO TYPE OPTICAL OBJECTIVE
Arthur Cox, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application April 18, 1946, Serial No. 663,088
In Great Britain March 13, 1946
12 Claims. (Cl. 88—57)



1. An optical objective corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising a simple divergent member, a front convergent member consisting of a cemented convergent doublet disposed in front of and slightly separated from a simple convergent component whose rear surface is axially separated from the front surface of the divergent member by an air space lying between .09 and .15 times the equivalent focal length of the objective, and a rear convergent member in the form of a doublet having a biconvex convergent element cemented in front of a meniscus divergent element made of a material having mean refractive index higher than and Abbé V number at least 10 higher than those of the material of the associated convergent element, the axial air separation between the divergent middle member and the convergent rear member being not less than half and not more than twice that between the divergent middle member and the convergent front member, the overall length from the front surface of the front member to the rear focal plane being less than the equivalent focal length of the objective.

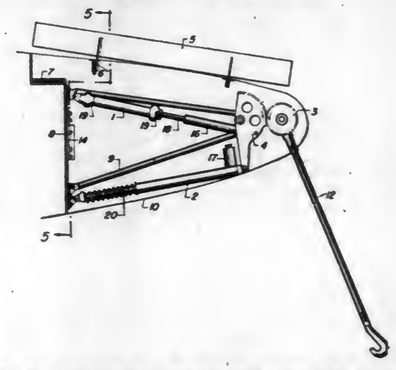
2,452,910
AUTOMATIC KNOCKOFF DEVICE FOR RING TWISTING AND SPINNING MACHINES
James Davidson, Toronto, Ontario, Canada, assignor to Toronto Carpet Manufacturing Co. Limited, Toronto, Ontario, Canada
Application December 6, 1946, Serial No. 714,450
6 Claims. (Cl. 57—78)

1. In a ring type yarn twisting or spinning machine, the combination of the "feeler knock-off mechanism," the reciprocating cam and the bobbin being wound, of a member extending between the aforesaid cam and "feeler knock-off mechanism" and having an obstructing member to transmit the movement of the cam to the "knock-off" device, and means connected with said obstruction carrying member engaging the perim-



eter of the yarn wound on the bobbin to move the obstruction between the cam and the "knock-off."

2,452,911
ARRESTING HOOK
Fred N. Dickerman, Nichols, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 8, 1946, Serial No. 639,887
8 Claims. (Cl. 244—110)

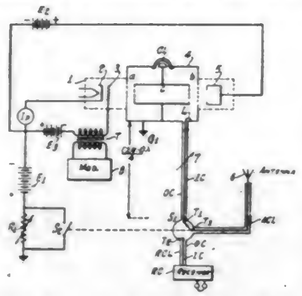


4. An arresting hook mechanism for airplanes comprising a frame member adapted to be attached to an airplane, a ring gear, supporting means interposed between said frame member and said ring gear, an arresting hook keyed to said ring gear, a gear sector in engagement with said ring gear, a hydraulic actuating strut pivotally attached to said frame member and to said gear sector, and a damping strut, said damping strut comprising a piston pivotally attached to said frame member, a cylinder member attached to said gear sector, and a spring so placed around said piston as to be compressed by movement of said piston.

2,452,912
CIRCUIT FOR IMPROVING OSCILLATOR STABILITY
Orville E. Dow, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 10, 1942, Serial No. 446,457
13 Claims. (Cl. 250—36)

1. High frequency apparatus comprising a multi-electrode electron discharge device and a res-

onator circuit therefor electrically and thermally connected thereto, a section of transmission line coupled to said resonator, means for applying a potential to a pair of electrodes of said device to cause sustained oscillations in said resonator circuit with said section of line coupled thereto at a resonant frequency dependent on the thermal condition of said resonator circuit, and means simultaneously to terminate said section of trans-



mission line with an impedance and at a point chosen to load said resonator circuit to non-resonance to prevent oscillations therein and to apply a potential to said pair of electrodes to improve the stability of the thermal condition of said resonator circuit whereby the frequency stability of said apparatus upon the generation of oscillations immediately after periods of non-oscillation is improved.

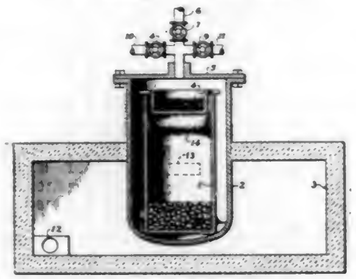
2,452,913

METHOD OF PRODUCING CALCIUM HYDRIDES BY DISTILLATION

Dick Duffey, La Fontaine, Ind., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application April 11, 1944, Serial No. 530,516

6 Claims. (Cl. 23—204)



6. The method of producing calcium hydride of high purity which comprises heating calcium contaminated with a pyrophoric metal impurity of lower boiling point in the absence of air to a temperature at which the metal impurity is distilled, selectively oxidizing the resulting metal impurity by reaction with a refractory metallic oxide, collecting the oxidized metal impurity as a solid separate from the calcium, distilling the calcium, condensing the resulting calcium vapor as a solid separate from the oxidized metal impurity and calcium residues, introducing carbon dioxide gas into reactive contact with the calcium distillate to provide an inert coating thereon and render the same substantially non-pyrophoric in air, recovering and redistilling said calcium distillate, condensing said redistilled calcium vapor as a solid separate from impurity and alkaline earth metal residues, cooling the condensed redistilled calcium to a temperature at which it reacts with hydrogen, bringing hydrogen into reactive contact with the redistilled calcium until it is converted into the alkaline earth metal hydride, and recovering the resulting pure calcium hydride.

2,452,914

PROCESS AND COMPOSITION FOR PRODUCING MAGNESIUM-ZIRCONIUM ALLOYS

Edward Frederick Emley, Clifton Junction Works, near Manchester, England, assignor to Magnesium Elektron Limited, London, England, a British company

No Drawing. Application July 17, 1946, Serial No. 684,262. In Great Britain August 14, 1945

8 Claims. (Cl. 75—168)

1. A composition for introducing zirconium into magnesium and magnesium base alloys consisting essentially of a fused mixture of at least one of the alkali metal chlorides, zirconium fluoride, and at least one of the fluorides of the group consisting of potassium fluoride and sodium fluoride.

5. A method of preparing a composition for introducing zirconium into magnesium and magnesium base alloys consisting in fusing together at least one chloride selected from the group consisting of the chlorides of the metals calcium, barium, strontium, magnesium, and alkali metals, with at least one substance selected from the group consisting of mixtures and compound salts of zirconium fluoride with at least one of the fluorides of potassium and sodium.

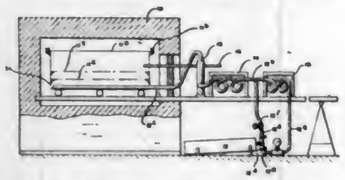
2,452,915

NITRIDING PROCESS

Alexander L. Feild, Baltimore, Md., assignor to Armco Steel Corporation, a corporation of Ohio

Application June 27, 1947, Serial No. 757,426

4 Claims. (Cl. 148—16.6)



1. In a method of nitriding stainless steel, the art which includes cracking ammonia gas, mixing uncracked ammonia gas therewith to give a mixture consisting of about 15% to 85% by volume of cracked ammonia and about 85% to 15% by volume of uncracked ammonia, heating the mixture of cracked ammonia and uncracked ammonia so as to form moisture from any available oxygen present with the ammonia, removing this moisture by a drying operation, then passing the preheated and predried mixture of gases over the stainless steel while held at nitriding temperature for some 30 to 90 hours to nitride the same.

2,452,916

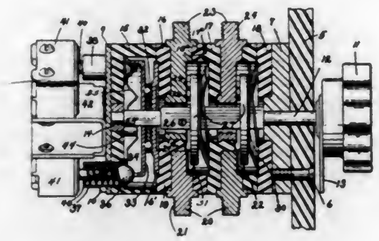
ROTARY TAP SWITCH

Rudolf A. K. Fleischmann, Philadelphia, Pa., assignor to The Eastern Specialty Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 7, 1947, Serial No. 778,340

7 Claims. (Cl. 200—4)

1. A rotary tap switch comprising a manually operable rotative shaft, an operating handle carried thereby, a plurality of radial contacts disposed around said shaft, a wiper actuated by said shaft to move over said contacts, a precision, snap action switch including an operating plunger movable endwise and in substantial parallelism with said shaft, a cam element carried by said shaft comprising a cup-like body rotated by said shaft in a plane transverse to the shaft and having upon its free edge a plurality of cam forming



notches, a cup in which said plunger is disposed, a spring in said cup about said plunger, and a ball in said cup against which the spring bears, said ball being positioned and dimensioned to be engaged by said cam forming notches and to thrust against said plunger against the action of said spring to thereby actuate the switch in synchronism with the movement of the wiper over said radial contacts.

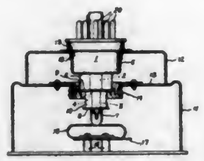
2,452,917

ELECTRODE CONTACT

Edward W. Forstrom, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application June 26, 1944, Serial No. 542,119

7 Claims. (Cl. 173—328)



5. A resilient supporting and contact-making arrangement for an electron discharge device of the type having a disk electrode and a tubular electrode spaced apart along the axis of said device comprising, a tubular conductive member, a plurality of resilient contacts conductively attached to the inner surface of said tubular member and extending inwardly therefrom, said contacts being adapted to engage said disk electrode and having innermost edges lying substantially on a circle of a diameter such that said contacts are compressed when said disk electrode is inserted therein, a contact for said tubular electrode including a plurality of resilient fingers adapted to engage said tubular electrode, means supporting said tubular member and said contact in spaced relation, means supporting adjacent edges of said resilient contacts and said contact in spaced relation, and resilient means supporting said contact whereby said contact may be moved longitudinally and laterally.

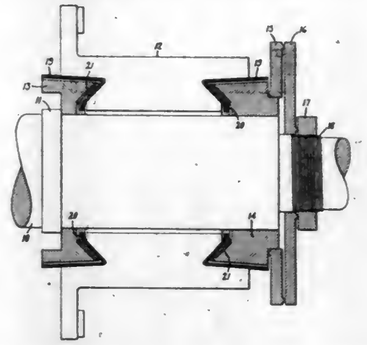
2,452,918

COMMUTATOR FOR DYNAMOELECTRIC MACHINES

Raymond F. Franklin, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 12, 1947, Serial No. 791,316

3 Claims. (Cl. 171—321)



1. A dynamoelectric machine commutator assembly comprising a plurality of copper commutator segments having V-shaped grooves in their ends, annular metallic clamping V-rings arranged to cooperate with said V-shaped grooves to retain said commutator segments, means including at least one spring ring arranged to yieldingly restrain said clamping rings, mica insulation interposed between the V of each clamping ring and the cooperating V at the respective end of the commutator segments, and a metal shim fastened as by cementing to one side of said mica insulation whereby relative movement between each clamping ring and the commutator segment assembly will take place between said metal shim and one of said metallic parts.

2,452,919

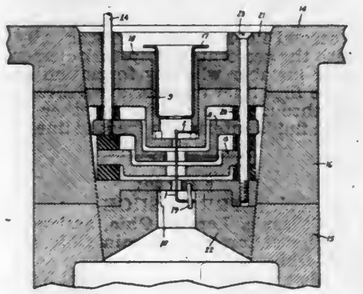
ELECTRON OPTICAL SYSTEM

Dennis Gabor, Rugby, England, assignor to General Electric Company, a corporation of New York

Application May 9, 1946, Serial No. 668,613

In Great Britain August 28, 1945

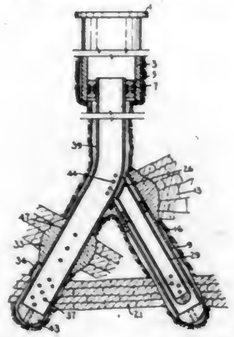
8 Claims. (Cl. 250—49.5)



1. An electron lens comprising a disk-like electrode having a central aperture therein along which an electron beam is adapted to be projected, and a conductive member transverse to said electrode and extending substantially axial-

ly of said aperture, said conductive member being maintained at a potential difference with respect to said electrode to correct the spherical aberration of said beam caused by said electrode.

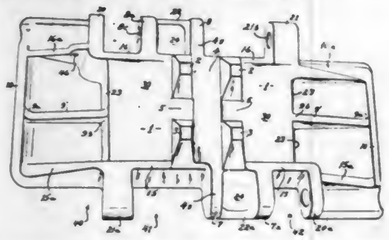
2,452,920
METHOD AND APPARATUS FOR DRILLING AND PRODUCING WELLS
Walton E. Gilbert, Los Angeles, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 2, 1945, Serial No. 602,832
2 Claims. (Cl. 255—1.6)



2. For use in a well having a casing set in its upper portion and a plurality of feeder boreholes branching therebelow transversely to each other, a liner system comprising a first liner member positioned in a feeder borehole opening to the well below the lower end of said casing, said liner having openings at its lower end for admitting formation fluids thereinto, a perforated whipstock element closing the upper end of the liner member along a surface transverse to the axis of the liner member, means anchoring said liner member in the feeder borehole with said perforated whipstock element substantially aligned with the walls of the well to form a deflecting surface masking the mouth of the feeder borehole at its junction with the well, a second liner member positioned in the well with an intermediate tubular portion thereof substantially in abutment with the perforated whipstock element of the first liner, said second liner member having openings at its lower end for admitting formation fluids thereinto, means anchoring the upper end of the second liner member to the lower end of the casing, and radial perforations in the intermediate tubular portion of the second liner member substantially in register with the perforated whipstock element of the first liner member whereby formation fluids entering the first liner member are delivered to the surface through the casing together with the formation fluids entering the second liner member.

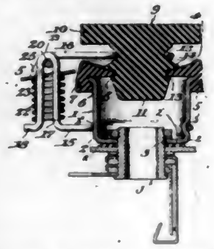
2,452,921
TREAD SHOE
Alex J. Gillespie, Lorain, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application October 30, 1946, Serial No. 706,587
7 Claims. (Cl. 305—10)

1. A tread shoe for an articulated endless track consisting of a unitary steel forging comprising a relatively elevated substantial rectangular platform portion, said portion having a pair of obtusely converging upper surface portions and a plane sprocket and idler roller track portion interposed therebetween, and extending between the front and rear ends of the platform, said upper surface portion comprising a top wall of a downwardly open box-like structure, having two side walls extending parallel with said track between the front and rear walls, a set of traction lugs extending outwardly of each said front and rear walls, a pair of ground engaging laterally extending flanges each based in and extending outwardly from the lowermost portion of a different one of said side walls, a rib extending in the fore-and-aft direction within said box-like structure and disposed below and upwardly merged with said roller track, a transverse rib also disposed within said box and mergingly intersecting the first said rib, the ends of both said ribs being merged with the inner surface of opposite of said walls, said box walls and said ribs together, providing the interior of said box structure into four downwardly facing substantially dome shaped recesses.



2. The tread shoe substantially as set forth in claim 1 characterized by the provision of at least three upstanding rib elements based in and extending upwardly from the upper side of each said laterally extending flanges and being aligned and merged at their inner ends with the ends of said front and rear walls and the first said rib being in an interconnecting relationship with, and substantially aligned with, pairs of forwardly and rearwardly extending of said sets of traction lugs to afford draw-bar connections therebetween.

2,452,922
WATERPROOF COVER FOR RADIO JACKS AND THE LIKE
Robert R. Gonsett and Faust R. Gonsett, Los Angeles, Calif.
Application October 11, 1944, Serial No. 558,182
9 Claims. (Cl. 174—67)



1. A protective waterproof cover for electrical circuit maker and breaker elements, such as a "radio jack" or the like, said cover comprising two members one member comprising a composite structure having a comparatively rigid tubular portion having an out turned flange on one of its ends and an inturned flange on its other end, said inturned flange defining an apertured base

to receive a threaded end of an electrical element to which it is adapted to be secured by a threaded nut, said out turned end being embraced by a flanged apertured flexible diaphragm which is secured on said out turned flange by a clampband, said other member comprising a yieldable plug member having a yieldable plug to closely fit said apertured diaphragm, said rigid tubular portion having a groove intermediate its ends and substantially parallel to said ends, said tubular portion and said plug member being connected to each other by a hinge construction, one portion of said hinge construction embracing the grooved portion of said tubular member and the other portion of said hinge construction loosely embracing said plug member.

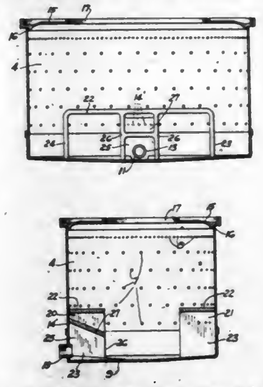
2,452,923
MECHANICAL STIRRER
Morris M. Graff, New Orleans, La.
Application November 26, 1946, Serial No. 712,336
10 Claims. (Cl. 259—133)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A stirrer for liquids and liquid-solid suspensions comprising a rotatable shaft, a member movable along said shaft and rotatable about the axis of said shaft, a number of stirring blades having their lower ends operably connected to the lower end of the shaft and having their upper ends operably connected to the lower end of said member, and means for securing the said member at a selected position along said shaft and in which each blade is operably connected, at its upper end, to the lower end of said member, as recited, through a ball and socket joint the upper end of each blade being free to pivot in the socket in a plane longitudinal to the axis of the shaft upon lowering the movable member to bow the stirring blades outwardly, and being free to pivot in the socket about an axis longitudinal to the upper end of the blade upon turning the movable member about the axis of the shaft to twist the blades.

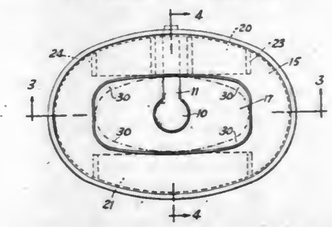
2,452,924
POT BURNER HAVING SEGMENTAL AIR DIRECTING MEANS
Carl S. Greer, Jr., Albion, Mich., assignor to Lonergan Manufacturing Company, Albion, Mich., a corporation of Michigan
Application July 5, 1947, Serial No. 759,193
8 Claims. (Cl. 158—91)

1. A liquid fuel burner comprising, in combination, an elongated fire pot having a bottom wall and a side wall, a flame plate at the top of said pot having an elongated flame opening therein, a plurality of air inlet openings disposed circumferentially about said side wall, fuel supply means for delivering a regulatable quantity of fuel to the bottom of said pot, and spaced segments disposed one on each side of the major axis of said pot substantially against said side wall and adjacent said bottom wall, said segments extending inwardly toward said major axis of



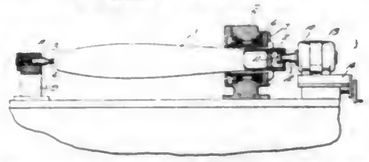
said pot and defining an upper and laterally confined area, said segments being open at their inner portions and their front edge being substantially parallel with the major axis of the pot and spaced from the opposing segment whereby the air directed by each segment into the space between said segments opposes the air directed into said space by the opposite segment to establish a mixing and a combustion zone at said space beginning at said bottom wall at low fire and extending to said flame opening at high fire.

2,452,925
ELONGATED POT BURNER AND FLAME RING
Carl S. Greer, Jr., Albion, Mich., assignor to Lonergan Manufacturing Company, Albion, Mich., a corporation of Michigan
Application July 5, 1947, Serial No. 759,194
3 Claims. (Cl. 158—91)



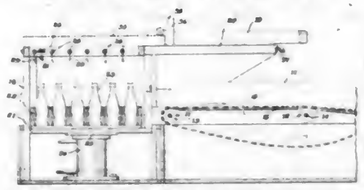
1. A liquid fuel burner comprising an open topped burner pot of elliptical shape cross-sectionally having a bottom wall, a side wall and a series of upper and lower air inlet openings circumferentially disposed in said side wall to give a substantially uniform supply of air to the pot, fuel supply means for delivering a regulatable quantity of fuel to said pot, and a flame plate at the top of said pot having an elongated flame opening therein, said flame opening being disposed centrally in said flame plate and having its ends on opposite sides of its longitudinal axis a distance closer to the side wall of said pot than other portions of said flame opening.

2,452,926
METHOD OF GRINDING PROPELLER SHANKS
Frederick A. Gruetjen, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application July 13, 1945, Serial No. 604,771
2 Claims. (Cl. 51—290)



1. The method of grinding hollow propeller blade shanks, comprising mounting the blade in a hollow spindle grinder with a chuck or collet gripping the shank at about its mid-portion, centering the blade in the spindle by applying an index holder to the tip of the blade, grinding the inside contour of the shank to finished dimensions, removing the blade and mounting the same upon an expansible rotary mandrel engaging the accurately ground inside surface of the shank, and then grinding the outside of the shank to accurate dimensions.

2,452,927
BOTTLE HANDLING APPARATUS
Russell F. Hammen, Canton, Ohio
Application February 18, 1946, Serial No. 648,422
13 Claims. (Cl. 214—1.1)

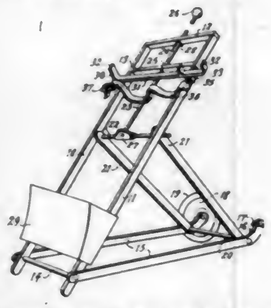


9. Bottle handling apparatus for removing bottles from cases and depositing them in a bottle washing machine and the like, comprising in combination with a plurality of endless conveyors at the loading end of the bottle washing machine, a vertically movable support for a case of bottles, means for raising said support with the case of bottles thereon, a horizontally movable frame spaced above the support, a plurality of rotatable shafts in the frame, spaced pairs of hook fingers upon said shafts, means for rotating said shafts to raise each pair of hook fingers into supporting engagement with one of the bottles in the case, means for lowering the case, means for moving the frame horizontally to position the bottles above the endless conveyors and means operated by the movement of the frame to this position for rotating the shafts to lower the hooks to release the bottles and deposit them upon the endless conveyors.

2,452,928
TREATMENT OF WATER
Clifford A. Hampel, Harvey, Ill., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application May 23, 1945,
Serial No. 595,489
7 Claims. (Cl. 210—28)

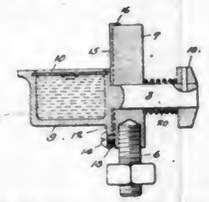
1. In the disinfecting of water by chlornation, the improvement which comprises improving the taste and odor of the resultant water by concurrently adding to the water chlorine in amount at least sufficient to disinfect the water to render it potable and chlorine dioxide in amount such that the ratio of dissolved chlorine to dissolved chlorine dioxide is within the range of about 1:1 to about 10:1.

2,452,929
FOLDING GOLF CART
Harry F. Holcomb, Dallas, Tex.
Application August 19, 1946, Serial No. 691,521
7 Claims. (Cl. 280—36)



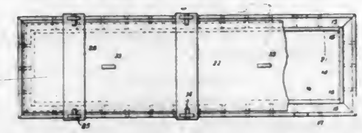
1. A collapsible golf cart including, an elongate carrying frame having means for retaining golf clubs thereon, a pair of connecting members pivoted at their forward ends to the forward end of the frame, a single pair of ground wheels journaled on the rear ends of the members, a pair of props having their lower ends pivoted to the members adjacent the ground wheels, a connection at the upper ends of the props slidably engaging the medial portion of the frame, and means carried by the frame flexibly attached to the connecting means for fastening the prop connection in position.

2,452,930
ANGLE INDICATOR
Julius C. Ivey, Cincinnati, Ohio
Application June 1, 1945, Serial No. 597,065
1 Claim. (Cl. 33—214)



An angle indicating device adapted to be secured to a power drill, comprising a body portion embodying a circular member having graduations on the edge thereof, a bolt extending from the edge of the body portion and adapted to be positioned in an opening of the drill, securing the body portion to the drill, a spirit level, a spring tensioned bolt extending from the spirit level mounted in an opening of the body portion, adjustably securing the spirit level to the body portion, a depending flange formed on the spirit level, said flange having an arcuate shaped opening, an indicator pivotally mounted on one end of the body and being adjusted with respect to the spirit level, a set screw extending through the arcuate opening and having connection with said indicator, adjustably connecting the indicator and spirit level, said indicator cooperating with the graduations in indicating angles, and a bolt extending into the edge of the body portion and engaging the bolt extending from the spirit level and securing the spirit level in various positions of adjustment with respect to the body portion.

2,452,931
ANNEALING BOX
Morris L. Jacob, Pittsburgh, Pa., assignor to Pittsburgh Annealing Box Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 13, 1945, Serial No. 616,108
6 Claims. (Cl. 263—49)



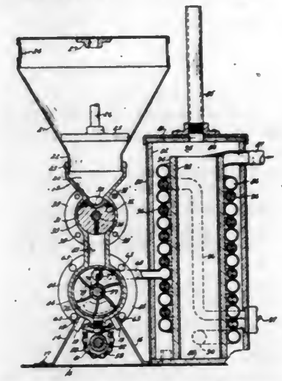
1. In an annealing box the combination of, a box having a bottom with side and end walls to provide a chamber and a top rim disposed in a single plane, a perimetral reenforcing member having two flanges, one flange being disposed normal to the walls of the box and secured to the outer surface below the rim, the other flange extending upwardly to form a perimetral trough with walls of the box, upwardly projecting lugs extending above the rim and secured at oppositely disposed positions in said other flange, a lid covering the rim of the box and disposed between said lugs, a flat batten bar having openings adjacent its ends to receive the upwardly projecting lugs, and means to removably secure the batten to the lugs to tightly clamp the lid on the box rim and retain the opposed walls of the box against distortion due to heat.

2,452,932
ELECTRICAL CONNECTOR
James O. Johnson, Lewisberry, Pa., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa., a corporation of New Jersey
Application April 10, 1944, Serial No. 530,313
2 Claims. (Cl. 29—155.55)



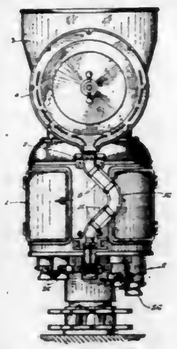
1. In the art of attaching an electrical connector to the stripped end of an insulation sheathed electrical conductor, that improvement which includes the steps of: forming from a flat blank a connector having a tubular ferrule for receiving the stripped conductor end, said tubular ferrule having a closed longitudinal seam, said connector having upstanding, open U-shaped jaws for embracing the insulation sheath adjacent the stripped end and having a substantially straight, narrow intermediate neck integrally connecting the ferrule and jaws; positioning the connector ferrule over the stripped end of the conductor; positioning the upstanding jaws around the insulation sheath adjacent its end, the bight of the U-shaped portion, the neck, and the portion of the ferrule opposite the longitudinal seam being in alignment; and then while the aforesaid portions are in alignment, bending the jaws around and onto the insulation sheath while simultaneously offsetting the neck to bring the insulation sheath and the ferrule into coaxial alignment; and then crimping the ferrule onto the stripped conductor; said bending, offsetting and crimping steps being performed as a part of a single operation.

2,452,933
BEVERAGE MIXING AND DISPENSING DEVICE
Max A. Joppich and Wallace Joure, Detroit, Mich.
Application September 20, 1946, Serial No. 698,206
15 Claims. (Cl. 225—26)



1. A beverage mixing and dispensing device comprising a storage bin, a housing having a mixing chamber adapted for communication therewith and having fluid inlet and discharge openings therein, a substance measuring device interposed between said bin and said housing, and valve means in said housing having a plurality of openings therein adapted for successive independent registry with said measuring device, said fluid inlet and said fluid discharge openings.

2,452,934
MECHANISM FOR APPLYING PLASTIC CROWNS TO CONTAINERS
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Original application January 11, 1943, Serial No. 471,986. Divided and this application February 7, 1944, Serial No. 521,321
4 Claims. (Cl. 226—86)



1. In a receptacle crowning apparatus, in combination, a crowning throat comprising a plural-

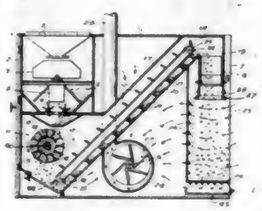
ity of elongated segments arranged about a common axis, each rockable on a horizontal axis to move the lower ends of said segments toward and away from said common axis and each of said segments having an inturned lip at its lower end and thus providing a capping throat for receiving the neck of a container expandible and contractible at its lower end, said throat and receptacle being reciprocable relatively to one another, a plunger reciprocable in said throat and engageable with a crown on a receptacle, means on said plunger for normally maintaining said throat in its expanded condition and movable with said plunger as it moves relatively to said throat to release said segments to permit said throat to contract, and means for contracting said throat after said segments have been released.

2,452,935

APPARATUS FOR TREATING SEEDS WITH CHEMICAL DUST AND BAGGING THE SEEDS

Harold Jesse Kemp, Swift Current, Saskatchewan, Canada

Application April 21, 1944, Serial No. 532,188
In Canada June 7, 1943
2 Claims. (Cl. 226—58)



1. In apparatus for treating and bagging seeds including a cabinet, means in one portion of the cabinet for mixing seed and dust, and means in a second portion of the cabinet for depositing the mixed seed and dust in a bag in said second portion, means for conveying mixed seed and dust from the first portion to the second portion, a partition dividing said portions of the cabinet, said second portion being open to permit insertion and removal of bags, means providing an exhaust passage leading from said first portion of the cabinet, said partition having openings therein providing a plurality of air passages leading from the space surrounding the bag in the second portion to the exhaust passage in the first portion of the cabinet, and suction means in the exhaust passage for creating a plurality of air streams flowing through said air passages to collect in said streams the dust-laden air surrounding the bag in said second portion of the cabinet.

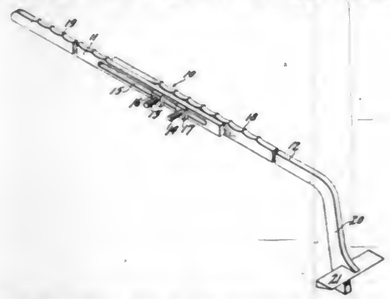
2,452,936

ADJUSTABLE BAFFLE HOLDING DEVICE

George H. Knobloch, Keyport, N. J.

Application May 22, 1945, Serial No. 595,203
3 Claims. (Cl. 248—200)

1. In apparatus of the class described, in combination, a plurality of longitudinal elements adapted to support a suspended means, means to secure at least two of said elements in a relatively predetermined overlapping locked position as to length, serrated engaging means on each of said elements to prevent slipping of the suspended means, a lower offset portion forming a leg on one



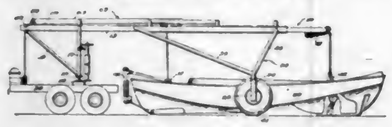
of said elements, and a transversely disposed foot forming a base support.

2,452,937

BOAT-CARRYING TRAILER AND THE LIKE

Foster Krake, Coloma, Mich., assignor to Sporting Specialties Company, Coloma, Mich., a corporation of Michigan

Application January 19, 1946, Serial No. 642,225
10 Claims. (Cl. 214—65)



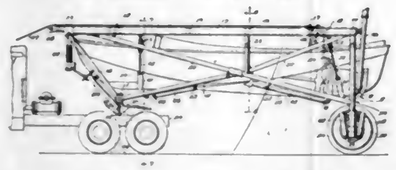
1. A carrier embodying a main wheel supported frame, towing means at an end of said frame, a carrying frame supported on said main frame and projectable thereon from a retracted carrying position to an extended loading and unloading position, hoisting means on said carrying frame and operable when the same is in extended position to raise or lower a transportable object to or from carrying position on the carrying frame, and suspension means on said carrier frame, separate from said hoisting means, and to which suspension means the object on the carrying frame is attached to be supported thereby.

2,452,938

BOAT-CARRYING TRAILER

Foster Krake, Coloma, Mich., assignor to Sporting Specialties Company, Coloma, Mich, a corporation of Michigan

Application January 19, 1946, Serial No. 642,226
16 Claims. (Cl. 214—65)



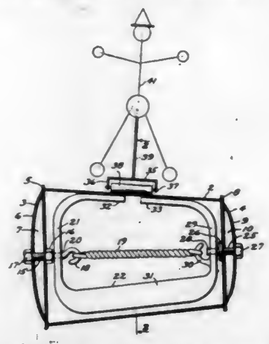
1. A carrier embodying a main non-collapsible frame, towing means at an end of said frame for detachable connection with a tractor, including rockable support means and bracing means, both pivoted on the frame and also on the towing means, for supporting the frame, selectively, in carrying position with the end thereof overlying said towing means, and in extended position offset with respect to said towing means, whereby to allow a transportable object to be loaded and unloaded from said frame when in extended position, said supporting means and said bracing means being foldable towards and away from each other.

2,452,939

ROLLER TOY

James L. La Forge, Caruthersville, Mo.

Application December 13, 1946, Serial No. 716,084
4 Claims. (Cl. 46—45)



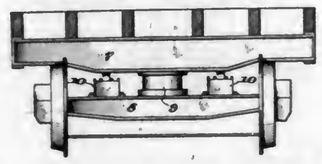
1. A roller toy comprising a drum, and a truck; said drum comprising a circularly formed wall of non-magnetic material, oppositely disposed heads, a substantially U-shaped magnet rotatably supported on axially aligned bolts rigidly mounted centrally of said heads, said bolts penetrating the branches of said magnet well above its center of mass whereby to create an unbalanced condition of weight between the magnet portions respectively above and below the axis of said bolts, the magnet portion above the axis being the lighter and comprising the poles which are disposed contiguous to the drum wall, and a rubber band interposed between the branches of said magnet with the ends of said band attached respectively to one of said bolts and to one of the magnet branches; said truck comprising a platform, a pin extending upwardly therefrom for supporting a toy member, and rollers of magnetic material revolvably supported from said platform and adapted for traction on the outer surface of said drum wall, said truck being movably held against the upper portion of the drum surface by magnetic attraction between said magnet and said rollers.

2,452,940

RAILWAY CAR SIDE BEARING

Noah F. Lane, Arkansas City, Kans.

Application December 14, 1945, Serial No. 634,907
6 Claims. (Cl. 308—226)



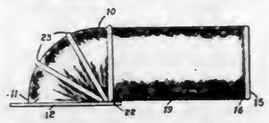
1. A side bearing assembly for a railway car, comprising a casing including sides and partitions spaced from the sides and from each other, said partitions having elongated generally vertical slots closed at their tops, one side having an opening, spaced lower wedges arranged within the casing, upper adjustable wedges arranged within the casing and supported by the lower wedges, substantially horizontal pins having screw threaded engagement with the casing, self adjusting means connecting the adjustable wedges and pins so that the pins may shift such wedges longitudinally and the wedges may move vertically with respect to the pins, a roller arranged between the partitions and having an opening, a shaft removably mounted within the opening and adapted to be arranged inwardly of the sides, the shaft being passed endwise through the opening in the side and held against endwise displacement when it is eccentric with respect to such opening.

2,452,941

VENTILATOR

Howard W. Little, near Canton, Ohio

Application November 29, 1945, Serial No. 631,612
5 Claims. (Cl. 98—68)



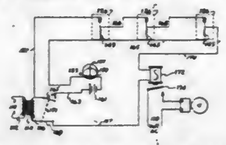
1. A ventilator comprising a flexible tube, a horizontal collar attached to one end of the tube for attachment to the roof portion of a building, means for extending the outer end portion of the tube diametrically and longitudinally, and spaced rings between said longitudinally extended portion and the collar for extending the remaining portion of the tube diametrically only, so that it may collapse on one side to assume an elbow shape with the longitudinally extended portion located in horizontal position, whereby when the tube is caused to swing about its vertical axis the extended outer end portion of the tube will roll on the axis of said extended outer end portion and said spaced rings will roll upon the collar.

2,452,942

TEMPERATURE ALARM SYSTEM

Kenneth M. Lord, Canandaigua, and Glenn E. Warren, Honeoye Falls, N. Y., assignors to Protect-O-Farm Company, Kenosha, Wis., a partnership

Application February 26, 1945, Serial No. 579,740
5 Claims. (Cl. 177—311)



2. In a temperature signalling system for indicating at a central station the occurrence, at any one of a plurality of remote locations, of a predetermined temperature condition, the combination of an alarm mechanism at said central station including a relay, an alarm device, an energizing circuit for said alarm including a contact for said relay, and means operative upon release of said relay for placing said contact in closed position, a first source of current connected in series with said relay, a contact device at each location including a normally closed contact adapted to open upon occurrence of said predetermined temperature condition at its location and a permanent and constant connection

from each location to circuits connecting said permanent connections parallel to each other across a switch, an ammeter and a second source of current of constant voltage, said closed contacts being connected in series across said first source of current and relay to keep the latter normally energized, each of said circuits having a predetermined resistance different from those of all other parallel circuits, and means under the control of the operator for closing said ammeter switch and opening the series circuit through said locations and said first source of current.

2,452,943

CATALYZED SULFAMIC ACID SULFATION

John David Malkemus, Allendale, John Ross, Ramsay, and Dwight James Potter, Ridgewood, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application May 18, 1946, Serial No. 670,856
8 Claims. (Cl. 260—400)

1. In the method of forming a sulphate wherein sulphamic acid is reacted with an organic compound consisting of C, H and O atoms and containing at least one functional group selected from the class consisting of ethers, carboxylic acid esters and alcohols, said organic compound containing at least one alcoholic-OH group capable of sulphation, there being present in the said organic compound no oxygen other than in the form of ethereal oxygen, carboxylic acid ester oxygen or alcoholic oxygen, the step that comprises carrying out the sulphation reaction in the presence of an amide as catalyst.

2,452,944

FLUORINATED ETHERS

Earl T. McBee, West Lafayette, Ind., and William E. Weesner, Richmond Heights, Mo., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

No Drawing. Application November 28, 1944, Serial No. 565,566
4 Claims. (Cl. 260—614)

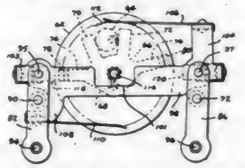
1. The compound represented by the formula $CF_3CH_2OC_2H_5$.

2,452,945

SEALED ELECTRIC MOTOR AND TRANSMISSION

Ira E. McCabe, Chicago, Ill.

Application May 9, 1945, Serial No. 592,820
6 Claims. (Cl. 172—36)



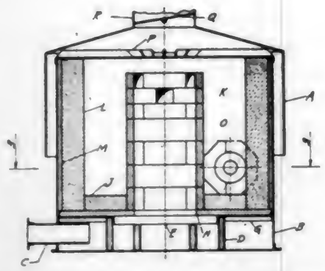
1. In a synchronous motor, the combination of a field structure, an armature associated with said field structure, means driven by said armature, an housing providing an hermetically sealed enclosure for said armature and said driven means, said driven means including a gear train, a cam member operated by said gear train, and an actuator oscillatably operated by said cam member, means mounted for oscillation exteriorly of said housing, and means for operating said last-named means in accordance with the movement of said actuator.

2,452,946

DIRECT FUEL FIRED UNIT AIR HEATER

Leslie F. McConnell, Birmingham, Ala., assignor to McConnell Sales and Engineering Corporation, a corporation of Alabama

Application June 14, 1945, Serial No. 599,443
6 Claims. (Cl. 263—19)



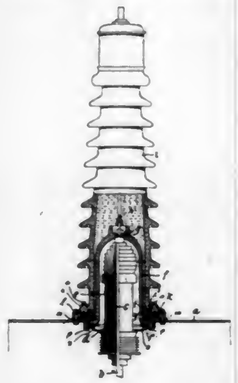
1. In a furnace of the character described, a circular wall forming a combustion chamber, a circular duct disposed concentrically within the combustion chamber and spaced from the walls thereof, said combustion chamber having an inlet opening at one end for air to be heated in alignment with the circular duct, means in the inlet opening to impart centrifugal movement to the air, and a fuel burner disposed tangentially of the combustion chamber at the other end thereof through the combustion chamber wall, and disposed to impart a centrifugal movement to the products of combustion in a direction counter to the movement of the air to be heated.

2,452,947

BUSHING FOR OIL-FILLED ELECTRICAL APPARATUS

August Meyerhans, Rieden, near Baden, Switzerland, assignor to Aktiengesellshaft Brown, Boveri & Cie, Baden, Switzerland

Application November 14, 1945, Serial No. 628,526
In Switzerland November 16, 1944
2 Claims. (Cl. 174—31)



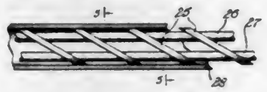
1. In a bushing structure for leading a conductor through an opening in an oil filled tank for connection to electrical apparatus such as transformers and the like enclosed within the tank, in combination, an annular disc secured to the outside of the tank adjacent to and concentric with the tank opening, the inner diameter of said disc being less than that of the tank opening, an outer hollow insulator secured to said disc and extending outwardly of the tank, a conductor extending through the tank opening, a multi-layered insulating sheath having spread end flanges surrounding the conductor at the tank opening, a bell-shaped insulating shed surrounding a portion of said insulating sheath and extending through said disc into said outer insulator, said shed being provided with a sealed terminal extending through its upper wall and a flanged portion at its lower end extending beneath and adjacent to said disc, and means securing the flanged portion of said shed to said disc.

2,452,948

COAXIAL CABLE

Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.

Application May 13, 1944, Serial No. 535,405
4 Claims. (Cl. 174—27)



3. In flexible coaxial cable comprising a pair of inner conductors and a tubular jacket in spaced relation thereto, the combination therewith of die cast insulators on the inner conductors spaced longitudinally thereof and adapted to position said inner conductors within said tubular jacket, said insulators comprising discs arranged at an inclination to said inner conductor, each disc being parallel to adjacent discs, the extremity of each disc at one inner side of the tubular conductor being in overlapping relation to the other extremity of an adjacent disc at the opposite inner side of said tubular conductor.

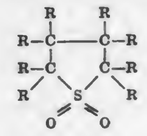
2,452,949

SULFOLANYL SULFONES

Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 22, 1945, Serial No. 623,865
10 Claims. (Cl. 260—329)

10. A polysulfone of the structural formula



wherein at least one of the R's is a radical of the structure



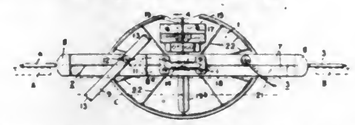
in which R_1 is a monovalent hydrocarbon radical of not more than 20 carbon atoms, and wherein the remaining R's each represents a member of the group consisting of the hydrogen atom and the lower alkyl radicals.

2,452,950

WINDOW FAN

Hackley Morrison, Houston, Tex., assignor to Texfan Company, Houston, Tex., a copartnership

Application February 6, 1947, Serial No. 726,827
12 Claims. (Cl. 98—94)



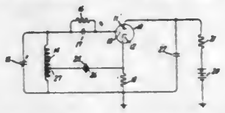
1. A window fan comprising a base member of substantial width adapted to rest on a window sill, a panel structure carried by and extending vertically above said base member and having a central opening, a motor driven fan, means mounting said fan directly on said base member in a position to force air through said opening, the end portions of said panel structure having flat faces on both sides constructed to overlap and engage the window frame, whereby said base member and panel structure as a whole is reversible with respect to the window opening, and the fan may be caused to blow air either in or out, as desired, and sash engaging means for holding the panel structure in position.

2,452,951

CRYSTAL OSCILLATOR CIRCUITS

Donald E. Norgaard, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application April 27, 1943, Serial No. 484,733
18 Claims. (Cl. 250—36)



1. An oscillatory circuit comprising an electron discharge device having an anode, a cathode, and a control electrode, a tuned circuit connected to said control electrode, an impedance connected between said tuned circuit and said cathode, and feedback means comprising a piezo-electric crystal connected between said cathode and a fixed point on said tuned circuit, said tuned circuit being tuned substantially to the series resonance frequency of said crystal.

2,452,952

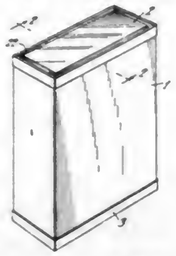
CARTON

Frank D. Palmer, Chicago, Ill., assignor to F. D. Palmer, Inc., Chicago, Ill., a corporation of Illinois

Application July 3, 1944, Serial No. 543,312
3 Claims. (Cl. 229—5.5)

1. A paperboard container having a plurality of side walls joined at their edges to form a tubular body, an end closure within said body, said end closure embodying a panel disposed substantially flush with the end of said body and provided with a peripheral flange having inner portions respectively corresponding to the walls of said body and extending inwardly of the latter, intermediate portions extending outwardly from said inner portions, outer portions refolded relative to said intermediate portions so as to be disposed outside of the body, marginal end portions of said body walls being disposed between and adhesively secured in face-to-face relation to said interme-

diate and outer flange portions, said closure also having web portions integrally connecting the adjacent ends of said inner flange portions, said web portions being normally foldable to out-



wardly projecting position between the adjacent ends of said intermediate flange portions, and said web portions being cramped into the corners of said body to thereby form sift-proof corner seals.

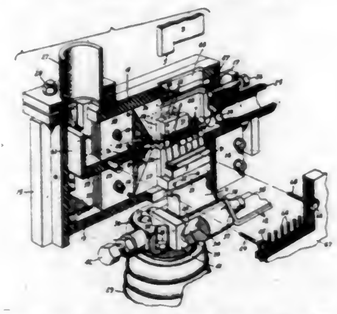
2,452,953

CIRCUIT INTERRUPTING APPARATUS

William E. Paul, Schenectady, N. Y., and Julius W. Timmerman, Jr., Springfield, and Ralph E. Bold, Drexel Hill, Pa., assignors to General Electric Company, a corporation of New York

Application April 6, 1945, Serial No. 586,892

7 Claims. (Cl. 200—148)



1. An electric circuit breaker of the fluid blast type comprising a pair of relatively movable contacts, a source of fluid under pressure, means for supplying a blast of fluid from said source substantially at right angles to the path of contact movement whereby the blast is directed transversely to the arc gap formed between the contacts upon separation thereof, an arc chute into which an arc drawn between said contacts is directed by the blast, a pair of electrodes defining a fixed gap associated with said contacts for maintaining the arc gap length constant following a predetermined separation of said contacts, a divergent expansion space within said chute immediately adjacent to and downstream from said gap, a partition of insulating material in said arc chute dividing said arc chute including said expansion space into two passages, said partition having its transverse insulating edge portion closely adjacent to said fixed gap, an electrode within said chute and spaced from said contacts to provide a break-down spark gap, a resistance associated with said chute connected to one of said contacts and to said electrode, said electrode and the internal chute electrical connection thereto being embedded substantially along their entire length within said insulating partition.

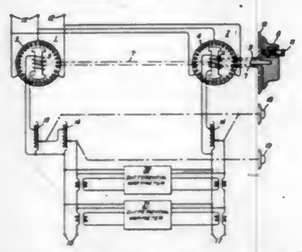
2,452,954

NETWORK ANALYZER APPARATUS

Harold A. Peterson, Madison, Wis., assignor to General Electric Company, a corporation of New York

Application October 3, 1947, Serial No. 777,720

5 Claims. (Cl. 171—97)



4. Apparatus for use in a network analyser comprising two pairs of electric terminals, two Selsyn generators each having rotor and stator elements including respectively a three-phase winding and a single-phase winding, means to rotate one Selsyn rotor relative to the other Selsyn rotor, a differential wattmeter responsive to a difference between the real power input flowing into one pair of the electric terminals and the real power output flowing out of the other pair of the electric terminals, a follow-up mechanism responsive to the action of such wattmeter adapted to rotate both Selsyn rotors simultaneously by equal amounts until said real power input equals said real power output, means to excite the two three-phase windings from a common three-phase electric source so that voltages are induced in the two single-phase windings having phase relationships determined by the respective angular positions of the two Selsyn rotors, means to provide an alternating terminal voltage across one pair of the electric terminals having a fixed phase relationship to the voltage induced in one single phase winding, means to provide an alternating terminal voltage across the other pair of the electric terminals having a fixed phase relationship to the voltage induced in the other single-phase winding, voltage transforming means to vary the relative amplitudes of the two terminal voltages one to the other, a differential varmeter responsive to a difference betwen the reactive power input flowing into one pair of the electric terminals and the reactive power output flowing out of the other pair of the electric terminals, and voltage transforming means cooperating with a follow-up mechanism responsive to the action of such varmeter adapted to vary the absolute amplitudes of both terminal voltages simultaneously by equal ratios until said reactive power input equals said reactive power output.

2,452,955

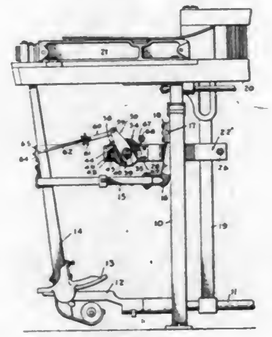
CHECK FOR PICKER STICK OF LOOMS

Felix H. Pressley, Piedmont, S. C.

Application March 14, 1946, Serial No. 654,452

8 Claims. (Cl. 139—162)

1. A picker stick check for use upon a loom having a sword, pick arm and picker stick, said check comprising a bracket mounted upon the sword near its longitudinal center, a brake drum rotatably mounted upon the bracket and having internal ratchet-teeth, a brake band mounted upon the bracket and surrounding the brake drum, a pivoted lever arranged near the brake drum, pawl means carried by the lever and engaging the ratchet-teeth, a plate secured to the picker stick and having openings, and a yoke re-



ceiving the picker stick and connected with the lever and including arms slideable within the openings of the plate.

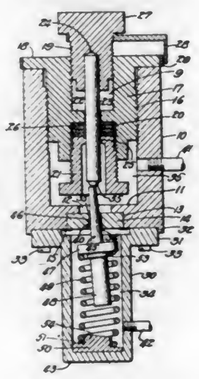
2,452,956

VALVE

John W. Robins, Westwood, Mass., assignor to Mason-Neilan Regulator Company, Boston, Mass., a voluntary association of Massachusetts

Application April 3, 1946, Serial No. 659,173

10 Claims. (Cl. 251—34)



1. In a valve for varying fluid flow, comprising a body having a fluid chamber, an orifice and a fluid connection communicating with said chamber, the combination with a tapered valve plug extending through the orifice to cooperate therewith, and inclined to said orifice to make contact with opposite sides and ends thereof, of means for moving said plug axially of said orifice and for guiding said plug against the said opposite sides and ends of the orifice throughout the said movement.

2,452,957

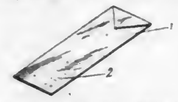
MOISTURE CONTROL DEVICE

Archie R. Sabin, Alexandria, Va.

Application January 4, 1944, Serial No. 516,977

1 Claim. (Cl. 299—24)

A moisture-controlling device comprising a quantity of efflorescent material encased in a container formed of regenerated cellulose film



which is waterproof but permeable to water vapor.

2,452,958

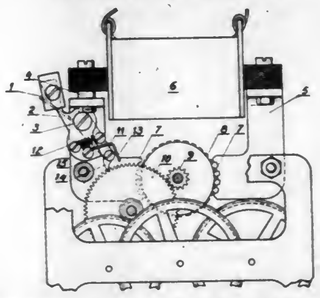
SYNCHRONOUS ELECTRIC MOTOR WITH AUTOMATIC STARTER

Otto Schild, La Chaux-de-Fonds, Switzerland

Application December 17, 1946, Serial No. 716,826

In Switzerland October 21, 1946

2 Claims. (Cl. 172—279)



1. In a synchronous electric motor with automatic starter, in particular for clockworks, a frame, a rotor mounted rotatively in said frame, a driving pinion centered on said rotor, a first driven gear mounted rotatively in said frame, in mesh with said pinion, two pole pieces of unequal lengths secured on said frame in space relation with said rotor, a yoke bridging said pole pieces and secured thereon, a non-magnetic spacer inserted between said yoke and the shorter one of said pole pieces, in order to produce a gap across the entire section of the main magnetic flux path, a magnetic armature mounted pivotally on said shorter pole piece in such a way as to be apt to bridge said gap and thereby restore the entire section of the main magnetic flux path, and operative means of transmission of movement between said armature and said first driven gear.

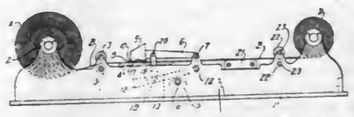
2,452,959

MACHINE FOR THERMOPLASTICALLY TREATING MATERIALS

Melvin H. Sidebotham, Newton, Mass.

Application August 23, 1945, Serial No. 612,170

3 Claims. (Cl. 101—114)



1. In a machine for treating surface areas of web material with powdered thermoplastic substance, comprising, rollers for advancing the web material, a hopper for holding a supply of powdered thermoplastic substance and having its bottom portion formed to provide an opening of the pattern of the area of the web desired to be treated, a fine meshed screen positioned over the bottom opening of the hopper, means for causing

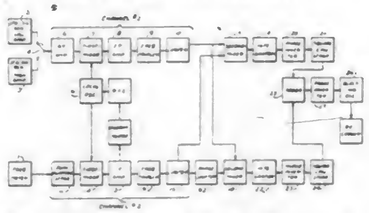
the hopper to shake a film of powdered thermoplastic material upon the web, a heating device for applying heat to the web, a cam for moving the hopper and the heating device into and out of engagement with the web, and a cooling plate adjacent to the advancing web for driving off the heat from the web.

2,452,960

METHOD AND APPARATUS FOR INDICATING FREQUENCY COINCIDENCE BETWEEN ALTERNATING CURRENTS OR VOLTAGES

David B. Smith, Flourtown, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application December 30, 1944, Serial No. 570,714
24 Claims. (Cl. 250—39)



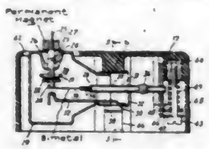
3. The method of indicating frequency coincidence which comprises combining two signal waves to produce a first beat wave which passes through zero frequency, simultaneously combining said signal waves to produce a second beat wave which is approximately ninety degrees phase-displaced from said first beat wave and which passes through zero frequency coinstantaneously with said first beat wave, utilizing said beat waves, separately and concurrently, each to produce, individually, a wave characterized by a pronounced amplitude change marking the occurrence of zero frequency, and combining the last-mentioned waves to produce a voltage pulse.

2,452,961

PROTECTIVE SWITCH

Sidney R. Smith, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application November 27, 1945, Serial No. 631,165
2 Claims. (Cl. 200—113)



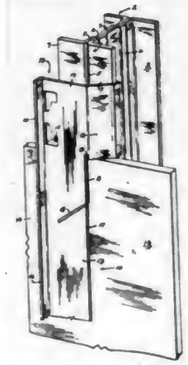
1. A protective switching device for use in high voltage electrical apparatus where the protective function must occur either upon attainment of excessive temperature of the apparatus or upon excessive current loading of the apparatus, said device comprising an evacuated envelope having conductive terminals for connecting the device in a circuit transmitting current representative of the loading of the apparatus, provisions associated with the envelope for mounting the envelope in heat-exchanging relation with a component of the apparatus, relatively movable contacts within the envelope respectively connected with said terminals, said contacts being co-operatively formed to assure low voltage gradients at the surfaces of the contacts upon separation of the contacts, a thermally deflectable member within the envelope supporting one of the contacts, and effective in deflected position to separate the contacts, said member being constituted of a metal which can be heated to the deflection point either by the passage of excessive current through it or by receipt of external heat corresponding to objectionable overheating of the apparatus component with which the envelope is to be associated, and means for assuring that both opening and closing of said contacts shall occur with a snap action.

2,452,962

LINE MARKING TOOL

George E. Snethen, Oklahoma City, Okla.

Application August 26, 1946, Serial No. 693,040
5 Claims. (Cl. 33—107)



5. A line marking tool for the purposes set forth, including: a flat strip; a widened portion at one end of said strip; a hook formed along one edge of said widened portion for engaging one edge of an I-beam flange; a wedge-shaped projection adjacent the other edge of said widened portion for contacting the other edge of said flange and drawing the hook into positive engagement with the first mentioned flange edge; and a straight edge carried by said strip and along which a mark may be made, said edge lying parallel to the flange edges when the device is installed upon the I-beam.

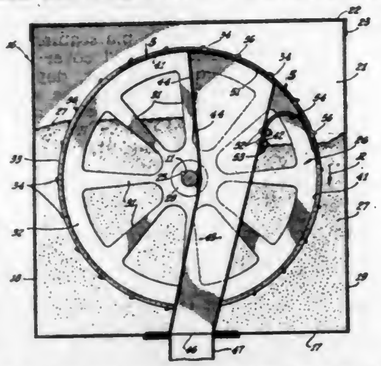
2,452,963

SEED PLANTER

Emile A. Sommer, North Hollywood, Calif.

Application February 1, 1946, Serial No. 644,697
3 Claims. (Cl. 222—367)

1. A seeder comprising a hopper adapted to contain a supply of seeds, a wheel revolubly mounted therein and comprising a rim partly immersed in said supply with the remainder of said rim extending thereabove, said rim having a plurality of circumferentially spaced holes therethrough, both lateral edges of said rim being uninterruptedly smooth throughout their entire extent and both the inner and outer peripheral faces of said rim being uninterruptedly smooth except for said holes whereby damaging of seeds within said hopper by rotation of said rim through said seeds is minimized, means for turning said wheel and thereby causing said holes successively to pass through said supply of seeds and then to be raised out of said supply, means pressing resiliently against one face of said rim and closing one end of each of said holes until that hole arrives at a predetermined position within said hopper and for thereupon opening



said end of that hole to release that hole's contents, and seed-conveying means for receiving seeds from said holes as said ends thereof are opened.

2,452,964

VIOLIN PEG

Eugene R. Stone, Washington, D. C.

Application June 19, 1946, Serial No. 677,801
12 Claims. (Cl. 84—304)



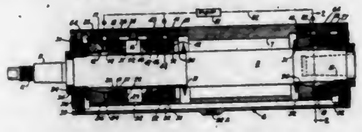
1. A tuning peg for violins and other stringed instruments and which consists of a peg or shaft having a finger grip at one end, said finger grip comprising flat web-like axially adjacent portions spaced angularly about the axis of said peg, whereby to provide a readily accessible and conveniently located finger grip regardless of the angular position of said peg and while said instrument is in playing position.

2,452,965

BEARING FOR SPINDLES AND THE LIKE

Deuta Sulprizio, Oakland, Calif.

Application April 12, 1945, Serial No. 587,956
6 Claims. (Cl. 308—70)



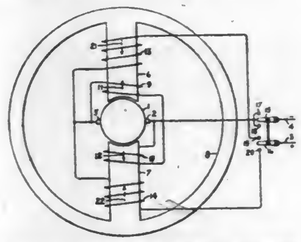
1. In combination, a shaft, a pair of conical bearing members positioned adjacent each other on said shaft and each having a conical bearing face thereon extending at an angle to the other conical bearing face of the other member and to the longitudinal axis of said shaft, a first bearing member cooperatively positioned with respect to one of said conical bearing members, a second bearing member cooperatively positioned with respect to the other of said conical bearing members and slideably mounted in substantially fluid-tight engagement with said first bearing member, means for limiting sliding movement of said second member in said first member, means positively urging said first and second bearing members to engage said conical bearing members, and means for admitting fluid under pressure between said first and said second bearing members to oppose the positive urging means and to slide said second member with respect to said first member to control the engagement between said first and second members and said conical bearing members.

2,452,966

DYNAMOELECTRIC MACHINE

Charles A. Thomas, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application December 29, 1945, Serial No. 638,059
10 Claims. (Cl. 318—297)



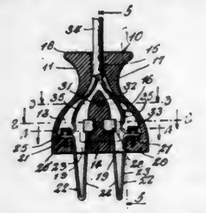
1. A dynamoelectric machine having a rotatable member with a winding, a field member having pole pieces and a main field exciting winding on said pole pieces comprising two parts arranged to provide a like polarity to all of said pole pieces, means including a second field exciting winding on said pole pieces comprising two parts respectively arranged in opposition to said two parts of said main field exciting winding and arranged to provide substantially one-half the excitation of either of said two main field exciting winding parts to each of said pole pieces, and means for selectively energizing one or the other of said two parts of said main field exciting winding for providing excitation of opposite polarity to adjacent of said pole pieces and for selectively reversing the polarity of said pole pieces for operation of the rotatable member of the machine in opposite directions.

2,452,967

CONNECTOR PLUG

Orrin H. Thomas, Williamsport, Pa.

Application December 29, 1944, Serial No. 570,355
2 Claims. (Cl. 173—361)



1. An electrical attachment plug comprising a body member of insulating material consisting of two separable sections, said sections having a conductor inlet and one of said sections having an

interior passage, an abutment on said section extended inwardly upon said passage and stopping short of the conductor inlet, a pair of openings being formed in the base of said section, positioned on opposite sides of the abutment, a shoulder inwardly of each opening, a contact prong disposed within each opening, said contact prongs comprising a pair of divergent blade members, one of said blades being bent to form a base mounting for seating engagement with respective shoulders, said base mounting and said shoulders being apertured for reception of a binding screw, the other blade of said prongs extending inwardly adjacent respective sides of said abutment, a pair of spring clips, one of which is mounted on each side of said abutment having a portion adapted to overlie respective terminal ends of said blades, said other section having recessed portions complemental to a portion of said spring clip members and said sections being provided with transverse aligned openings and an assembly bolt engaged therethrough.

2,452,968

METHOD OF STABILIZING BEER AGAINST RADIATION DETERIORATION

Erwin C. Uihlein, Grafton, and James W. Lawrie, Milwaukee, Wis., assignors to Jos. Schlitz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin

No Drawing. Application March 11, 1946, Serial No. 653,702
8 Claims. (Cl. 99—48)

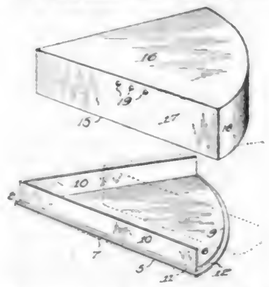
1. A beverage preserving method, consisting in confining a beverage containing proteins in a light absorbing vessel transmitting long light waves of an order above five thousand six hundred (5600) angstrom units to said beverage and excluding from said beverage by said vessel the approximate intensity of short light waves of an order below five thousand six hundred (5600) angstrom units and to a substantial extent light waves of a wave length longer than about 7,000 to 10,000 angstrom units.

2,452,969

PIE CONTAINER

Eva G. Victor, Mansfield, Ohio

Application April 30, 1946, Serial No. 666,050
3 Claims. (Cl. 206—4)



1. In containers for housing pie segments for transportation purposes and the like, a container formed of plastic material and comprising a base member having a bottom the contour of which is of sector form with the radius length together with the length of the arcuate end greater than the similar length of the pie segment to be housed, said member having vertical side walls extending parallel with and spaced from the radical side walls of the bottom, the bottom having a marginal zone depressed with respect to the top plane of the bottom positioned outside such side walls and with the arcuate end formed with a similar depressed marginal zone, whereby the arcuate end of the member is free from a confining wall and the area within the side walls is sufficient to accommodate a pie segment, and a cover for the base member, said cover having a top also sector-shaped in contour, depending side walls and an arcuate end wall, the vertical dimensions of said vertical walls being materially greater than those of the side walls of the base member and with the internal dimensions of the cover sufficient to receive the side walls of the base member with an approximate fit, the lower edge of the side and arcuate end walls of the cover extending on a common plane and being completely seatable on the depressed marginal zone of the base member throughout the perimeter of the latter, the lower marginal zone of the cover arcuate wall co-operating with the complemental portion of the depressed marginal zone to produce a step closure effect active in preventing escape of pie content from the container interior at the arcuate end of the container.

2,452,970

TREATMENT OF WATER

George P. Vincent, Briarcliff Manor, and James Douglas MacMahon, Niagara Falls, N. Y., and John F. Synan, Fall River, Mass., assignors to Mathieson Chemical Corporation, a corporation of Virginia

No Drawing. Application January 22, 1945, Serial No. 574,028
9 Claims. (Cl. 210—28)

1. A method of improving the taste and odor of contaminated water supplies which have been chlorinated with chlorine which comprises contacting the chlorinated water with chlorine dioxide in such manner as to dissolve therein from 0.1 to 10 parts of chlorine dioxide per million parts of water, said amount of chlorine dioxide being at least sufficient to reduce the mal-taste and mal-odor developed in the chlorinated water and thereby produce a potable water substantially free from objectionable taste and odor.

2,452,971

TREATMENT OF WATER

George P. Vincent, Briarcliff Manor, and James Douglas MacMahon, Niagara Falls, N. Y., and John Francis Synan, Fall River, Mass., assignors to Mathieson Chemical Corporation, a corporation of Virginia

No Drawing. Application May 23, 1945, Serial No. 595,490
6 Claims. (Cl. 210—28)

1. In the disinfecting of water by chlorination, the improvement which comprises improving the taste and odor of the resultant water by contacting the water with chlorine dioxide in such manner as to dissolve therein from about 0.1 to about 10 parts of chlorine dioxide per million parts of water, and thereafter adding to the thus-treated water an amount of chlorine at least sufficient to disinfect the water to render it potable.

2,452,972

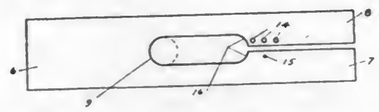
MUFFLER

Karl von Rodenstein, Baltimore, Md.

Application January 30, 1945, Serial No. 575,244
1 Claim. (Cl. 2—91)

A muffler or the like comprising a rectangular piece of material having a longitudinal cut-out

portion of substantial width positioned therein for fitting around the neck of the user, said cut-out portion extending approximately one third the length of the muffler and being located centrally thereof, said portion having one of its ends rounded and the other end similarly rounded and terminating in a longitudinal slit of narrow width forming widened strap portions of substantial length for folding over the chest, a front plate



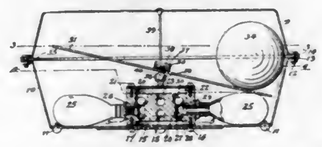
formed at the end of said muffler opposite to the longitudinal slit to cover the widened straps and a plurality of fastening means for adjustably securing the widened strap portions of the muffler behind the front plate, said front plate being of such width and said straps of such length that when the straps are secured behind the front plate, the front plate only appears when worn by the user.

2,452,973

BILGE WATER PUMPING APPARATUS

Chester I. Weir, Buffalo, N. Y.

Application January 24, 1947, Serial No. 723,960
1 Claim. (Cl. 103—71)



A pumping apparatus for removing water from the hold of a boat comprising a casing having a stationary annular side wall and a flat bottom, a block mounted on the central part of said bottom and provided with a water inlet chamber and a water outlet chamber, a plurality of expansible and compressible pump bulbs arranged in an annular row around said block and resting on the bottom of said casing and each having its inner end connected with said inlet chamber by an inwardly opening check valve, a wobble plate arranged within the wall of said casing and universally pivoted on the top of said block to permit any part of its edge to be depressed relative to the wall of said casing, and a ball resting with its underside on said wobble plate and its lateral side against said casing wall and rollable in a circular path on said plate and wall around said axis of said plate.

2,452,974

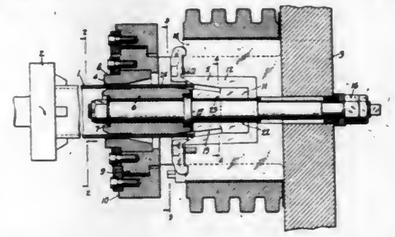
ELECTRIC UPSETTING AND FORMING

Sven Westin, West Allis, and Axel Westin, Milwaukee, Wis., assignors, by mesne assignments, to Federal Machine & Welder Co., Warren, Ohio, a corporation of Ohio

Application July 3, 1944, Serial No. 543,230
16 Claims. (Cl. 219—3)

1. In a device of the class described for upsetting and forming the hot end of an otherwise cold tubular blank, an upsetting die adapted to receive and upset the end of the blank, means to effect relative rotation between the blank and die during the upsetting operation, and a straightening die mounted at the mouth of the upsetting die and free to rotate with the blank relative to the upsetting die during upsetting of the blank, said straightening die being adapted to engage the upset end of the blank as the latter is withdrawn from the die and to straighten the same.

15. In the upsetting of the end of a tubular blank in electrode forming dies of the class described, the initial spreading of the heated metal



at the end of the blank as the same rotates relative to the upsetting die by reducing the frictional engagement of the end edge of the blank with the bottom end of the die cavity and engaging said end edge with die faces of limited circumferential extent to effect a progressive forming of the metal in spaced areas traveling circumferentially of the blank.

2,452,975

PRODUCTION OF ORGANIC FLUORINE COMPOUNDS

William Basil Whalley, Liverpool, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 22, 1947, Serial No. 723,676
9 Claims. (Cl. 260—653)

1. The process which comprises heating a polychlorinated ethane containing at least two chlorine atoms attached to the same carbon atom with from 1 to about 3.58 stoichiometric equivalents of anhydrous hydrogen fluoride in the presence of at least 2.5% by weight of stannic chloride based on the polychlorinated ethane at a temperature of from about 50° C. to about 150° C.

2,452,976

ROLL ADJUSTING MECHANISM

Forrest R. Whitcomb, Worcester, Mass.

Application February 26, 1947, Serial No. 731,147
5 Claims. (Cl. 51—80)



1. In a glazing and polishing machine, a pair of coacting polishing rolls, self-aligning bearings for said rolls, supporting arms for said bearings, rock shafts on which said supporting arms are mounted for movement by said rock shafts toward and away from each other, and separate means to shift one of said arms and bearings angularly relative to the rock shaft on which it is mounted to change the axial relation of said rolls to each other.

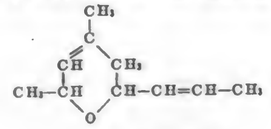
2,452,977

PRODUCTION OF CYCLIC ETHERS

Paul H. Williams, Berkeley, and Seaver A. Ballard, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 28, 1944, Serial No. 570,513
9 Claims. (Cl. 260—333)

1. 2,4-dimethyl - 6 - (1 propenyl) -5,6-dihydro-1,2-pyran, a compound of the formula

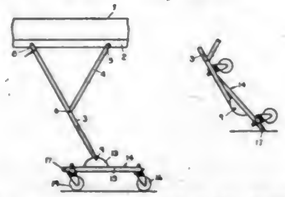


2,452,978

DOLLY STRUCTURE FOR CONVEYERS

Bert Woldring, Grand Rapids, Mich., assignor to The Rapids-Standard Company, Grand Rapids, Mich., a corporation of Michigan

Application February 14, 1945, Serial No. 577,793
14 Claims. (Cl. 198—233)



2. In a conveyor construction the improvement in the means supporting the conveyor with reference to a surface; comprising: a support member supporting at least partially the said conveyor at its upper end and positioned at an angle to said supporting surface; a U-shaped member of tubular material having a plug inserted into each end of said tube; a pair of pivot plates affixed on the upper side of said U-shaped member, a swivel caster at each end of said U and a swivel caster in the middle of the curved portion of said U-shaped member; said support member being pivoted to said pivot plates in a plane above said U-shaped member; the whole being so arranged that when the U-shaped member is moved pivotally with respect to the support member its full distance in the direction of maximum pivoting movement, the point of application of the downward thrust of said support member to the U-shaped member will be between the extremities of said U-shaped member, said extremities being taken in a direction parallel to said support member.

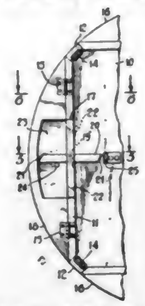
2,452,979

EXTENSION TABLE

Emil Zuckerman, Stamford, Conn.

Application February 15, 1945, Serial No. 577,949
3 Claims. (Cl. 311—62)

1. In a table top, a central main portion having a periphery comprising a series of straight edges, a series of leaves each having an outer peripheral curved edge and an inner straight edge with said inner straight edges hinged to the straight edges of the said central main portion for movement into position to form an extension of said main portion and for hinged movement to lie retracted adjacent the under surface of said central main portion whereby substantially not to obstruct the space under the table top, the said straight edges of said central main portion having each an opening exposed over the straight edge of each of said leaves when said leaves lie retracted, a supporting detent pivoted for rotation in each of said openings for movement of a part thereof under said leaves when



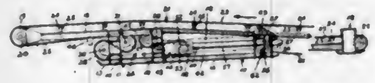
said leaves are extended whereby to support the said leaves in a horizontal table extending position, and said detents having each a surface for flush alignment with the surfaces of the straight edges of said central main portion when said detents are rotated relatively to said openings for withdrawing said detent parts from under said leaves and into said openings.

2,452,980

BELT TENSIONING MECHANISM FOR CONVEYERS

John S. Beltz, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio

Application July 20, 1945, Serial No. 606,237
4 Claims. (Cl. 198—208)



1. A head section for a conveyor including a main frame having a belt receiving pulley over which material is to be discharged, a pair of power driven belt driving pulleys mounted in said main frame rearwardly of said discharge pulley, another pair of belt receiving pulleys mounted in said main frame and located rearwardly of said power driven pulleys, a frame within said main frame mounting one of said last named pulleys for rectilinear movement in a limited range, fluid pressure means carried by said frame for urging said movable pulley in a belt tensioning direction, said pairs of pulleys all being located below the top of said head section main frame and between the sides thereof, and means for manually adjusting rectilinearly the position of said frame independently of said fluid pressure means for positioning it within the operating range of rectilinear movement of said pulley.

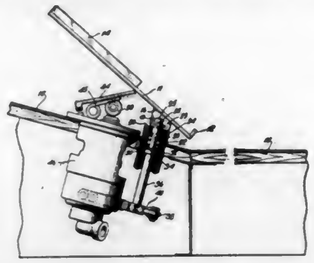
2,452,981

COMBINED THROTTLE AND BRAKE PEDAL

Walter F. Benning, Toledo, Ohio, assignor to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware

Application December 30, 1944, Serial No. 570,702
14 Claims. (Cl. 192—3)

1. A dual-control foot accelerator and brake pedal associated with the floor of an automotive vehicle, comprising a pedal, means for supporting and pivoting said pedal in a direction toward and away from the floor of said vehicle, rotatable shaft means interconnected with said supporting means for pivoting said pedal in a direction substantially parallel to the floor of said ve-



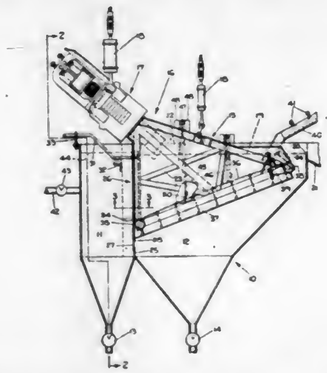
hicle, clutch means interconnecting said shaft to an accelerator mechanism, said clutch being constructed and arranged to be disengaged by the pivoting movement of said pedal in the direction toward said floor irrespective of the relative position of said pedal.

2,452,982

SUBMERGED RECIPROCATING SCREEN

Byron M. Bird, Columbus, Ohio, assignor to The Jeffrey Company, a corporation of Ohio

Application June 25, 1945, Serial No. 601,397
1 Claim. (Cl. 209—269)



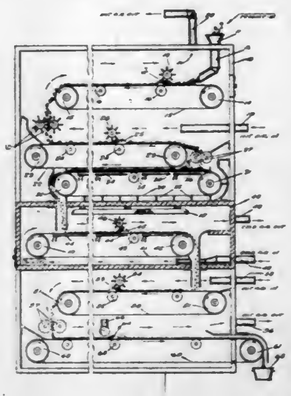
Material screening apparatus of the submerged in fluid medium type adapted to screen fine particles of material from a mixture of various sizes of particles of material wherein the fine particles to be screened are of such character as to permit them to become at least partially suspended in a fluid medium, said screening apparatus including a fluid container having partition means including an opening therein dividing said container into sections, one for receiving screened fine particles and one for receiving oversize particles of material, a screen in said fine particle receiving section having closed sides flexibly connected to said dividing partition about the opening therein and extending upwardly therefrom, a plurality of partitions depending to said screen crosswise thereof dividing said screen into compartments said partitions having flexible bottom edges positioned adjacent to said screen, fluid inlet means for supplying fluid to said oversize particle section, overflow fluid outlet means associated with said fine particle section, said overflow fluid outlet means being positioned to determine the level of the fluid above the screen in the fine particle section of said container, means for depositing material to be screened in the uppermost compartment of said screen, means for wetting the material prior to its being deposited therein, jet means adapted to inject fluid into the fluid above said screen and adjacent the partitions therein to cause precipitation of fine particles of material in said fluid and to cause a flow of fluid through said screen into said fine particle section of said container thereby carrying precipitated fine particles of material thereinto, and motor means for imparting vibratory motion to said screen at an acute angle with respect thereto, said screen thereby imparting conveying motion components to material thereon and conveying material from one particle section to the next particle section beyond said flexible means on the dividing partitions, the fluid entering said oversize particle container section flowing through said opening in the container dividing partition into said fine particle section counter-current to the flow of oversize particles passing through said opening thereby washing the fine from said oversize particles, and said fluid then flowing from said fine particle section through said screen thereby tending to carry fine particles of material present from the fine particle section to and through the screen and thence into said fine particle receiving section of the fine particle section.

2,452,983

PROCESS OF DESICCATING FOOD PRODUCTS

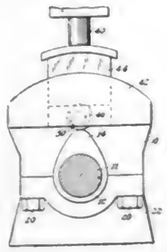
Clarence Birdseye, Gloucester, Mass., assignor to Dehydration, Inc., Gloucester, Mass., a corporation of Massachusetts

Application December 29, 1941, Serial No. 424,834
4 Claims. (Cl. 99—204)



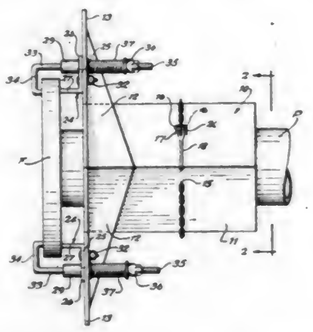
1. The process of dehydrating a mass of moisture-containing food units, which consists in extracting moisture from the food units by contact of a gas therewith, simultaneously fluffing the units to facilitate the gas contact therewith and subdividing the food units into lesser units having varying specific gravity and thereafter moving the units of less specific gravity at an increased rate during the dehydration thereof.

2,452,984
ADVANCE AND RETARD INJECTION MECHANISM FOR DIESEL ENGINES
Øyvind Blom, Brooklyn, N. Y.
Application September 14, 1946, Serial No. 697,132
3 Claims. (Cl. 74—569)



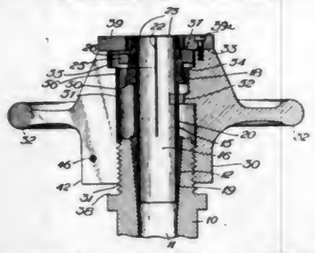
3. In a means for supplying fuel to an engine of the class described comprising a pair of reciprocable plungers, a revolvable shaft, a housing having spaced bearings on the shaft, a fixed support, adjustable means connecting the housing with the support, shaft bearings on said support disposed in the space between the first mentioned bearings, vertically movable plunger actuators, guide means in the housing for said actuators, said actuators having follower rollers thereon, cam means on said shaft, and lobes carried by said cam means for engaging said roller whereby to elevate and lower said actuators.

2,452,985
ADJUSTABLE FLANGE JIG
Earl C. Bourdette, Chickasaw, Ala.
Application July 23, 1945, Serial No. 606,573
2 Claims. (Cl. 113—102)



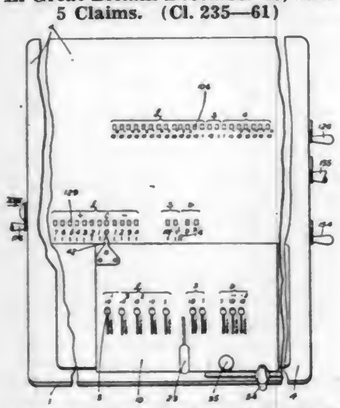
1. A jig adapted temporarily to hold a coupling flange in position to be welded adjacent the end of a length of pipe which includes a V-shaped saddle for engaging the periphery of the pipe, a pair of divergent arms adjacent one end of the saddle, said arms extending outwardly from the saddle beyond the side edges thereof, a stop mounted on each arm for adjustment longitudinally thereof, means to hold the stops in spaced parallel relation on opposite sides of the apex of the saddle and a clamp hook carried by each stop for engaging the flange and clamping it against an adjacent stop.

2,452,986
COLLET AND COLLET CHUCK THEREFOR
Ronald F. Brennen, Valley Stream, N. Y., assignor to General Die-Stamping Tool Company, New York, N. Y., a partnership comprised of Richard F. Matshak and David M. Kasson
Application September 2, 1943, Serial No. 500,927
8 Claims. (Cl. 279—53)



8. An assembly comprising a collet having an outwardly pointed outer end cone; an exteriorly threaded live spindle into the outer end of which the collet is fitted; a cone collar fitted on said outer end cone; a closing sleeve screwed without looseness upon the threads of the spindle with the inner ends short of the inner ends of the threads and the outer end face of its outer end disposed adjacent to the outer end face of the collar the outer end face of the sleeve being accurately so machined that when the spindle is rotated, the outer end face of the sleeve will be flush with the outer end face of the collar and always in a single plane perpendicular to the axis of rotation of the spindle; said actuating ring being mounted on the machined end face of the sleeve in position to engage with the outer face of the collar; whereby after removal and replacement of the sleeve with the ring against the collar, the ring will accurately take its position perpendicular to the axis of the spindle.

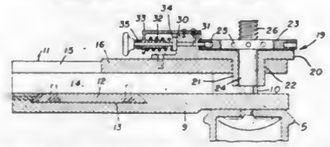
2,452,987
CALCULATING MACHINE
Daniel Broido, Cockfosters, near Barnet, England
Application December 9, 1944, Serial No. 567,347
In Great Britain December 10, 1943
5 Claims. (Cl. 235—61)



1. In a calculating machine for non-uniform first factors comprising interrelated sets of units, the highest set of units being in the decimal notation, and for decimal second factors, and conversely for decimal first factors and non-uniform second factors, a products register, a sensing

mechanism operatively associated with the said register, and means for operating the said sensing mechanism, in combination, a conversion mechanism comprising a plurality of groups of members, each group being associated with a denomination of a non-uniform first factor and each member within a group being associated with a digital value of the respective denomination, each of said members associated with the highest set of units comprising representations of the respective digit, of products formed by multiplying the respective digit by $1/10$, $1/100$, and so forth, and of products formed by multiplying the respective digit by the unit value of each non-decimal denomination of a non-uniform second factor, whilst each of said members associated with a lower set of units comprises only representations of products formed by multiplying the respective digital value by the digit 1 of each denomination of a decimal second factor, all said products being expressed in the interrelated sets of units, a first set-up mechanism for operatively associating with the said sensing mechanism those members which are associated with digital values and denominatons of the first factor, and a second set-up mechanism for operatively associating with the said sensing mechanism those representations which correspond to the denominations of the second factor.

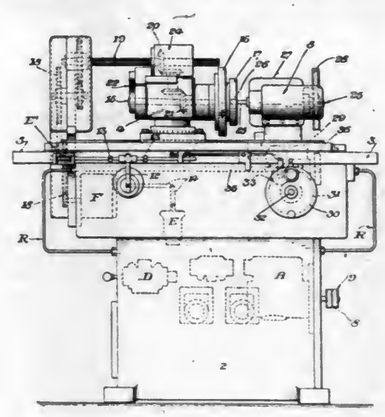
2,452,988
WORK INDEXING ATTACHMENT FOR LATHES
John D. Brown, Enid, Okla.
Application February 20, 1947, Serial No. 729,739
3 Claims. (Cl. 51—216)



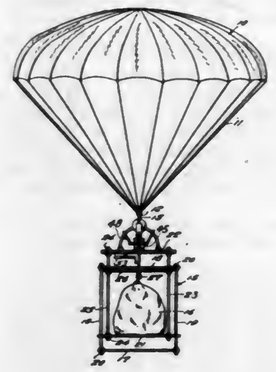
1. A work indexing attachment for a wood lathe including a longitudinally slotted bed and having a sanding disk secured on the head stock spindle thereof, comprising an elongated main base plate, a nutted bolt extending through an end portion of said main base plate and the slot of said bed for rigidly securing said base plate to and upon the lathe bed adjacent the sanding disk so that said main base plate projects laterally from said bed, a slide movable transversely of the other end portion of said base plate, and parallel with said bed manually operable adjusting means for said slide, a second slide mounted on the first named slide for movement in a direction at right angles to the direction of movement of said first named slide and parallel with the plane of the sanding disk, a work holder carried by the second named slide and including a horizontal index disk mounted for rotation about a vertical axis and having means for securing a piece of work thereon, and manually releasable means for securing said index disk in different positions of rotary adjustment.

2,452,989
CAM GRINDING MACHINE
Harry W. Brown, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application December 18, 1943, Serial No. 514,806
13 Claims. (Cl. 51—101)

1. A cam grinding machine having a reciprocating work carrier rotatable about its longitudinal axis for varying the angle of the work, means for rapidly reciprocating said carrier, a rotatable work spindle carried by said carrier, means for rotating said spindle, a reciprocating tool carrier reciprocal transversely of said work carrier, means for reciprocating it, a rotatable spindle carried by said tool carrier, means for rotating it, and means for adjusting the position of said tool carrier transversely of said work carrier.

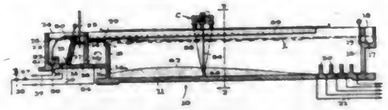


2,452,990
PARACHUTE RELEASE
Homer H. Bush, Atlanta, Ga.
Application October 1, 1945, Serial No. 619,625
4 Claims. (Cl. 244—138)



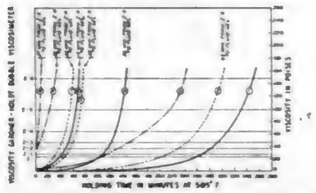
1. In a release device, a parachute, a cord secured thereto, a ball secured to the cord of said parachute, a load-carrying cage, a pair of hemispherical members pivotally secured to said cage adapted to encompass said ball, a latch securing said members about said ball, and an impact-operated trigger rod for releasing said latch, said cage including an inner frame having a top plate and an outer frame having a top plate beneath said inner-frame top plate and an impact plate, in said outer frame, the impact of said impact plate causing said top plate of the inner frame to actuate said trigger rod.

2,452,991
LIQUID CLARIFYING APPARATUS
Alfred Butcher, Pittsburgh, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1945, Serial No. 600,275
7 Claims. (Cl. 210—16)



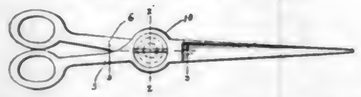
1. Liquid clarifying apparatus comprising an elongated tank having side and end walls and a bottom wall, an overflow sluice positioned a substantial distance above said bottom wall and at one of said end walls, means adapted to control the rate of outflow of liquid from the tank and adapted to establish a normal liquid level in the tank, means outwardly of the other end wall defining with the latter a receiving chamber for the liquid to be treated, said other end wall being apertured at its bottom to provide an outlet from said chamber to said tank, said chamber being of sufficient volume to permit floc formation therein, means for introducing liquid to be treated into said receiving chamber, a weir extending between the side walls adjacent said other end wall and terminating upwardly at a point which is below said level established by said means for controlling rate of outflow, said weir serving to deflect upwardly the outflow from said chamber whereby said outflow is substantially rolled on itself before passing beyond said weir, the portion of said tank between said one of said end walls and said weir constituting a settling chamber, a sludge chamber outwardly of said receiving chamber having an overflow sluice to said receiving chamber above said level, means for delivering sludge from the settling chamber to the sludge chamber, and means for controllably withdrawing sludge from the bottom of said sludge chamber.

2,452,992
COATING COMPOSITION OF FATTY DRYING OILS REACTED WITH FATTY ACID MODIFIED POLYHYDRIC ALCOHOL ESTERS OF CYCLOPENTADIENE MALEIC ADDUCT
William H. Butler, Bloomfield, N. J., assignor to Bakelite Corporation, a corporation of New Jersey
Application May 29, 1943, Serial No. 489,062
10 Claims. (Cl. 260—22)



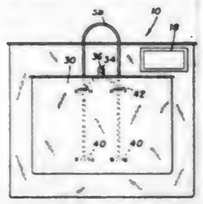
1. Composition useful for coatings comprising the reaction product of a fatty drying oil with a polyhydric alcohol ester of a cyclopentadiene-maleic adduct and a reactant in amount sufficient to impart to the ester solubility in fatty drying oils, said reactant selected from the group consisting of monobasic fatty acids having 5 to 22 carbon atoms in the chain and their partial esterification products with a polyhydric alcohol, the fatty drying oil constituting at least 10% of the reaction product, and the product being characterized by polymerizing and increasing its viscosity upon heating more rapidly than the fatty drying oil alone.

2,452,993
SCREW PIVOT FOR SHEARS
Gaither Dewitt Calloway, Elkin, N. C.
Application October 23, 1944, Serial No. 559,936
1 Claim. (Cl. 30—266)



Means for pivotally connecting a pair of cutting blades and comprising a screw threadedly engaged with one of the blades and free of the other of said blades, said last-named blade having a countersink therein and said screw having an enlarged head positioned in said countersink, said countersink having an annular groove therein at its outer edge and an annular rib formed on the underside of the head at the peripheral edge thereof conformably seated in said groove.

2,452,994
SHOPPING BAG
Bernard Chodak, Brooklyn, N. Y.
Application January 21, 1947, Serial No. 723,441
1 Claim. (Cl. 150—1.7)



A shoppers' bag including a main compartment of flexible sheet material having side walls and handles thereon, a pair of auxiliary compartments each consisting of a unitary piece of flexible sheet material secured at its side edges and bottom to the outer surface of a side wall to form an open pocket, auxiliary handles secured to the interior surface of the outer wall of each of said auxiliary compartments, means for selectively collapsing and retaining said auxiliary compartments in folded position upon said side walls, said last mentioned means including snap fastener elements secured to the outer surface of said side walls and to the inner surface of the outer walls of said auxiliary compartments, said auxiliary handles being slidably connected to the inner surface of the outer walls of said auxiliary compartments and being selectively extended from and retracted into said auxiliary compartments.

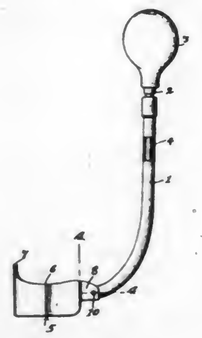
2,452,995
SOLDERING, BRAZING, AND WELDING FLUXES
Lionel Cinamon, New York, N. Y.
No Drawing. Application September 29, 1944, Serial No. 556,497
4 Claims. (Cl. 148—26)

2. In a flux embodying boric acid and an alkali fluorine compound the improvement which comprises: the combination with said flux of a member of the group consisting of an acid of pentavalent phosphorus and the alkali metal salts thereof which imparts a phosphorus content to the flux of approximately 0.65% to 9.2%.

2,452,996
PROCESS FOR REFINING COPPER AND ITS ALLOYS
Michael George Corson, New York, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
No Drawing. Application June 15, 1946, Serial No. 677,102
4 Claims. (Cl. 75—76)

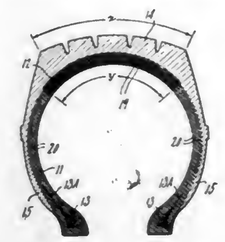
1. The process of treating copper and copper alloys to improve their soundness and other physical characteristics when used as sand castings and the like which comprises forming a melt of the metal to be cast, superheating the melt and, while the melt is maintained in a superheated state, successively blowing carbon monoxide and nitrogen into and through the melt, the duration of the treatment with carbon monoxide being sufficient to insure substantially complete deoxidation of the metal and the nitrogen treatment being continued until substantially all hydrogen, sulphur dioxide and dissolved carbon monoxide are removed from the melt.

2,452,997
RECTAL SPRAY DEPURATOR
William Jennings Coward, Lakeland, Fla.
Application February 26, 1946, Serial No. 650,343
2 Claims. (Cl. 128—231)



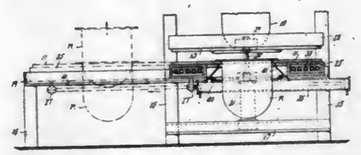
1. In a rectal spray depurator, the combination of a horizontal substantially U-shape guard open at its top and bottom and provided with vertical sides only and with parallel vertical lips at one end, a hood provided with a vertical elongated slot at its outer end, said hood positioned between said parallel lips, a hollow arm provided with V-shape slots in its inner end, said hollow arm extending into said guard parallel with said lips, means fastening said lips, guard, and hollow arm together, a tubing in said hollow arm and being capable of slight movement within said V-shape slots, said tubing extending at its inner end into said hood, a nozzle within said horizontal guard, and attached through said elongated slot to the inner end of said tubing, whereby said tubing and nozzle is permitted to have a slight movement within said guard, and a bulb connected to the outer end of said tubing.

2,452,998
PNEUMATIC TIRE
George R. Cuthbertson, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 1, 1944, Serial No. 547,543
3 Claims. (Cl. 152—354)



1. A pneumatic tire comprising a plurality of plies of strain resisting elements forming a carcass, substantially inextensible bead wires, a tread portion, sidewall portions, and a layer of plastic composition encasing each of said plies, the plastic material of the layers encasing at least some of the plies in the region of the crown of the tire being formed of a natural rubber composition having good resistance to flexing fatigue at temperatures of at least 275° Fahrenheit and the plastic material of the layers of the remaining side-wall portions of the carcass being formed of a synthetic rubber-like composition.

2,452,999
METHOD OF MAKING CELLULAR THERMOPLASTIC RECEPTACLES
Lawrence E. Daly, Osceola, and John F. Schott, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 28, 1944, Serial No. 542,452
4 Claims. (Cl. 18—56)



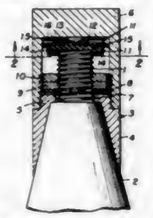
4. The method of making a cellular, hard, tough, slightly elastic thermoplastic receptacle, which comprises the steps of mixing rubber having good elastic properties when vulcanized with a resin selected from the class of hard thermoplastic resin of cyclized rubbers, hard thermoplastic resinous polymerization product of butadiene-1, 3 with styrene, hard thermoplastic resinous polymerization product of butadiene-1, 3 with acrylonitrile, in substantial amounts of the resin and rubber but considerably more resin by weight than rubber to provide a composition having a wide plastic range and which contains a vulcanizing agent and chemical blowing agent, sheeting this mix, heating the sheet to partly vulcanize the rubber and soften the resin and blow the agent to form numerous cells of gas sealed in the sheet and held by the resin from rupturing, then drawing and molding the cellular sheet while hot into a receptacle.

2,453,000
METHOD OF MANUFACTURING AUGER BITS
Benjamin H. Daulton, Wilmington, Ohio, assignor to The Irwin Auger Bit Company, Wilmington, Ohio, a corporation
Application September 17, 1946, Serial No. 697,510
8 Claims. (Cl. 76—102)



1. The process of manufacturing an auger bit which consists in drop forging an auger bit in a single drop forging operation to provide a tang, shank, spiral and head, with excess stock attached to the spiral and head, removing the excess from the spiral and head, machining and providing upon the head spurs, lip and lead screw, and subsequently machining and finishing the auger bit shank and spiral.

2,453,001
COMBINATION DUST CAP AND VALVE CAP LOCK FOR TIRE VALVES
John De Stefano, Long Island City, N. Y.
Application May 9, 1947, Serial No. 747,074
6 Claims. (Cl. 138—89.1)



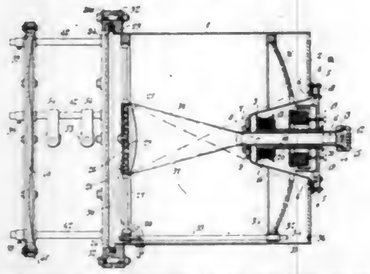
1. A tire valve stem, a dust cap comprising a sleeve section surrounding said stem and a hollow section detachably threaded onto said sleeve section and enclosing the outer end of said stem, means for rotatably securing the sleeve section on said stem against displacement, and a closure cap in said detachable section for closing said stem, said means imposing tension against said sleeve section to cause the same to frictionally resist rotation.

2,453,002
ARTICLE OF FOOTWEAR AND HEEL THEREFOR
Alexander J. Dunbrook, Kitchener, Ontario, Canada, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 11, 1946, Serial No. 715,566
14 Claims. (Cl. 36—70)

14. An article of footwear having a raised shank and a heel adapted to directionally discharge water from its surface against said shank, said heel comprising a tread member having a generally arcuate channal extending from the inner edge to the breast of the heel defining a generally tear-drop shaped corner portion, said corner portion having incurvate vertical walls with the angular tip of the portion forming the forward inner corner of the member, the rearward wall of the channel being overcut adjacent the inner edge of the heel and undercut adjacent the breast of the heel and converging with said inner edge and breast respectively in sharply defined corners, said raised shank being disposed forwardly from the breast of the heel.



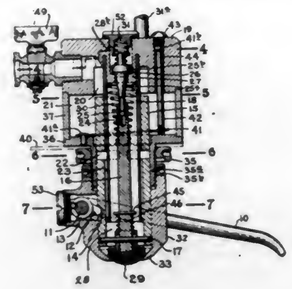
2,453,003
TELEVISION PROJECTION TUBE
Baden John Edwards, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application March 20, 1947, Serial No. 735,894
In Great Britain March 7, 1946
13 Claims. (Cl. 178—7.5)



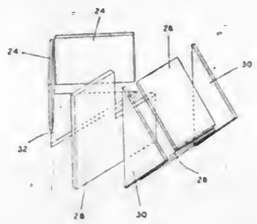
1. Television projection tube comprising an envelope having a transparent wall portion, a fluorescent screen positioned within said envelope and directed away from said transparent wall portion, a Schmidt mirror having an aperture in the centre thereof positioned within the envelope to reflect light from the fluorescent screen through the transparent wall portion, a re-entrant portion of said envelope which passes through the aperture in the centre of the Schmidt mirror, a neck portion extending outwardly from the inner end of the re-entrant portion, said neck portion being aligned with the fluorescent screen and enclosing an electron gun positioned to scan said fluorecsent screen, and focussing and deflecting means disposed around the said neck portion and within said reentrant portion.

2,453,004
LIQUID MIXING AND DISPENSING APPARATUS
Oscar L. Engstrom, New York, N. Y.
Application February 24, 1947, Serial No. 730,426
11 Claims. (Cl. 222—133)

1. In an apparatus for mixing syrup with soda water, a vertical casing having separate syrup and soda water supply inlets at the upper end thereof, an annular syrup measuring chamber below said syrup supply inlet, a slidable water valve, and a central sliding valve for controlling the flow of syrup from its inlet to said measuring chamber, a manually slidable vertical operating rod located within the central portion of said casing, said rod having its upper end engageable with said water valve to lift it from its seat when said rod is operated, said casing having a mixing chamber at the bottom thereof, a discharge outlet below said mixing chamber, said rod having on its lower end a discharge plug engaging said discharge outlet, means to conduct syrup from said measuring chamber to said mixing chamber, and a passage to conduct soda water from said water inlet to said mixing chamber.

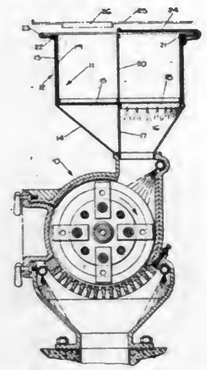


2,453,005
MOLD FOR FORMING PORRO PRISMS
Murry N. Fairbank, Weston, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 31, 1943, Serial No. 516,416
5 Claims. (Cl. 18—39)



4. A mold for the formation of a Porro prism comprising a pair of right-angle isosceles prisms having portions of their hypotenuse faces integrally secured together by a connecting portion, said mold comprising a pair of members having optically smooth molding surfaces for defining the isosceles sides of one of said triangular prisms, a second pair of members having optically smooth molding surfaces for defining the isosceles sides of the other of said triangular prisms, and a plate having a pair of parallel, optically smooth surfaces, one of the latter surfaces defining a portion of the hypotenuse side of one of said triangular prisms and the other of said latter surfaces defining a portion of the hypotenuse side of the other of said triangular prisms, edge portions of said plate defining an aperture interconnecting the mold chamber formed by said first-named pair of members with the mold chamber formed by the second of said pair of mold members and for defining the portion of said Porro prism which interconnects said triangular prisms.

2,453,006
BATCH FEED HOPPER FOR GARBAGE GRINDERS
Oscar J. Feight, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application November 19, 1945, Serial No. 629,609
1 Claim. (Cl. 241—101)

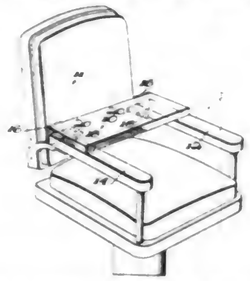


In combination, a garbage grinder, a feed hopper therefor comprising a main hopper having an upwardly extending cylindrical upper portion having an open top, a bottom in said upper portion having an opening on one side of a diameter thereof, a grinder chute below said opening adapted to receive garbage passing through said opening and direct it to said grinder, a cylindrical wall drum mounted for rotation on an upright axis and within the cylindrical portion of said main hopper and having both its top and bottom completely open, an upright diametrical partition in said drum extending between opposite positions of said cylindrical drum and connected thereto, top cover means for the portion of both the main hopper and said drum directly above said grinder chute and said opening therefor extending over half of the open tops of said main hopper and drum thereby covering said half and leaving the other half of each open to receive garbage which is there supported on the above described main hopper bottom for inspection and removal of silverware or the like, and means comprising a hand operable exposed ring carried by said drum for rotating said drum on its axis and thereby delivering the garbage to said grinder chute, the construction acting to prevent a person extending his hand into said grinder chute or into said grinder while providing for inspection of garbage and removal of silverware or the like as aforesaid.

2,453,007
BRACKET FOR ARMCHAIR ACCESSORY SEATS
William O. Flatt, Fort Worth, Tex.
Application May 31, 1944, Serial No. 538,167
3 Claims. (Cl. 248—300)

1. A stabilizing bracket adapted for use with a flat seat element in the manner described comprising a main guide wing, a secondary guide wing extending at right angles thereto and having a margin in common with a portion only of a margin of the main guide wing to thereby leave a projecting portion of the main wing, and a supporting wing extending away from the secondary wing in a plane normal to those in which the main and secondary guide wings lie, said supporting wing lying outside the angle included between said

guide wings and being spaced from the margin of the projecting portion of the main wing a dis-



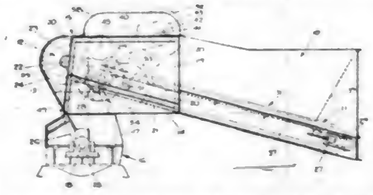
tance approximately the width of the seat element.

2,453,008

MATERIAL REDUCING APPARATUS PARTICULARLY ADAPTED TO REDUCE METAL TURNINGS

John T. Fowler, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application October 14, 1946, Serial No. 703,199
1 Claim. (Cl. 241—152)



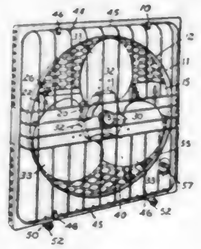
A reducing apparatus particularly adapted to reduce metal turnings including a secondary grinder having a housing providing a top feed opening, a power driven shaft having a secondary grinding rotor thereon carried in said housing, a primary reducer including a housing carried by said secondary grinder housing and connected to discharge into the top feed opening of said secondary grinder, a primary metal turnings reducing drum element carried within said primary reducer housing above said secondary grinding rotor and driven at a lower speed from the latter, a hopper, conveyer means forming a tapering maw for conveying and compressing loose metal turnings received from said hopper and extruding them directly substantially radially to the working periphery of said primary metal turnings reducing drum element in a compressed sponge-like condition, said conveyer means including an upper and a lower driven endless belt each having a discharge end disposed closely adjacent the working periphery of said primary metal turnings reducing drum element, said primary metal turnings reducing drum element rotating in a direction to work the metal turnings directly downwardly over the discharge end of said lower endless belt, means pivotally mounting the upper belt for generally vertical movement of its discharge end, and means including a clutch connecting said primary metal turnings reducing drum element and said belts for driving the latter at reduced but equal speeds whereby said metal turnings will be extruded slowly directly and generally radially to the working periphery of said primary metal turnings reducing drum element and held in a compressed sponge-like condition by said belts while said primary metal turnings reducing drum element works and tears the end of said compressed metal turnings directly over the end of the lower belt and feeds the shredded and torn metal turnings downwardly through the top feed opening of said secondary grinder to said secondary grinder rotor at a speed proportional to the speed of the latter.

2,453,009

VENTILATING DEVICE

Karl M. Ganger and John B. Burrowes, Dayton, Ohio, assignors to The Lau Blower Company, Dayton, Ohio, a corporation of Ohio

Application March 10, 1947, Serial No. 733,494
10 Claims. (Cl. 230—259)



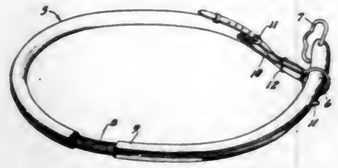
1. A portable ventilating fan of the character described comprising a main panel having a central opening, a relatively narrow supplemental panel overlying said opening, means securing said supplemental panel to said main panel in spaced and parallel relation, a motor having a shaft, fan blades on said shaft of said motor, means mounting said motor on said supplemental panel with said fan blades positioned substantially centrally of said opening in said main panel, and means connected with both of said panels and constructed both to form supporting legs for said fan and to brace said panels relative to each other.

2,453,010

DOG COLLAR

John T. Graffin, Lima, Peru

Application April 25, 1946, Serial No. 664,862
2 Claims. (Cl. 119—109)



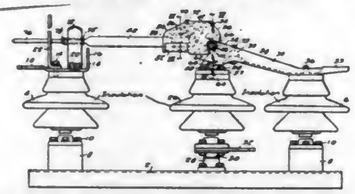
1. A dog collar including an elongated substantially C-shaped resilient neck-encircling member, an eye member connected to one end of said neck-encircling member and through which the other end portion of said neck-encircling member slidably extends, and a second eye member attached to the other end of said neck-encircling member for connection with a leash, said neck-encircling member comprising an elongated helical spring having the second named eye member directly attached to one end thereof, and a flexible sheath closed at said ends and completely enclosing said spring.

2,453,011

HIGH-PRESSURE CONTACT SWITCH

Howard W. Graybill, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 10, 1945, Serial No. 572,183
10 Claims. (Cl. 200—48)



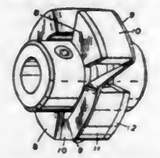
1. In a switch of the type having a switch blade movably mounted on substantially its longitudinal axis on a blade support, which in turn is pivotally mounted on a line terminal for movement of said blade to and away from a position in proximity with a line contact spaced from said line terminal, and actuating means operable in a circuit opening operation to first move said blade relative to said support out of high pressure engagement with said line contact and to thereafter pivotally move said blade to a position spaced away from said line contact, the combination of means for conducting current from said line terminal to said blade comprising permanent low resistance connections between said blade and blade support, and between said blade support and line terminal, the connection and pivotal mounting of said blade support and terminal comprising rigid portions spaced apart a fixed distance on one member for receiving therebetween another rigid portion on the other member, pivot means mounted on each of said spaced portions to be engageable with pivot means at each side of said other rigid portion, said pivot means comprising at least one bearing member mounted for adjustment along the pivot axis on one of said members and having a contact surface engageable with a contact surface on the other of said members, and said contact surfaces being configurated so as to engage only substantially on an annular line.

2,453,012

FLEXIBLE ROTARY COUPLING

James Claude Hickman, Colne, England, assignor to J. H. Fenner and Company Limited, Colne, England, a British company

Application February 4, 1947, Serial No. 726,313
In Great Britain February 20, 1946
6 Claims. (Cl. 64—11)



5. A coupling for power transmission comprising a driving member, an intermediate member, a driven member, and a plurality of resilient elements forming the effective power transmitting connection between said members, said intermediate member being formed as a waved disc with segments between the waves to which said resilient elements are affixed at alternate sides so as to extend in opposite directions therefrom alternately, said resilient elements which extend in one direction from said intermediate member being affixed at their outer faces to said driving member, and said resilient elements which extend in the other direction from said intermediate member being affixed at their outer faces to said driven member.

2,453,013

TREATMENT OF YARNS OR CORDS COMPRISING CELLULOSE FILAMENTS

James William Illingworth, Little Acton, Sutton Coldfield, and Leslie Fielden Pickup, Rochdale, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y., a corporation of New York

No Drawing. Application November 13, 1945, Serial No. 628,364. In Great Britain December 23, 1944
2 Claims. (Cl. 28—59.5)

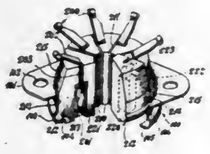
1. A process for treating yarns consisting of cotton filaments which comprises wetting said yarn, elongating the wetted yarn by a tension load while subjecting said yarn to the action of steam and thereafter subjecting the elongated yarn to steam while applying a load substantially less than the elongating load of the prior steaming operation.

2,453,014

SOCKET PRIMARILY FOR RADIO TUBES AND THE LIKE

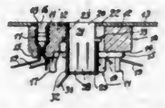
Donald Jackson, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company

Application April 4, 1945, Serial No. 586,608
In Great Britain April 1, 1944
7 Claims. (Cl. 173—328)



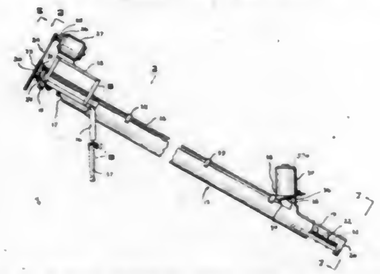
5. In a socket, a rigid support ring, a composite disc-like insulating body arranged loosely within said ring and composed of an assembly of individual complementary segments of insulation, a plurality of said segments each having an axially extending recess in one and the same side thereof and each carrying an individual contact element held in said recess so as to be bodily movable with its segment, the recess in each segment being laterally closed by the adjacent side of the adjoining segment in the assembly, said segments exteriorly having peripheral interlocking engagement with said ring for supporting the segments against axial displacement, said segment assembly having an axial aperture extending substantially centrally through said assembly and defined by inner peripheral walls of the segments, a loose retainer member axially arranged within said aperture and supported by the inner peripheral portions of said segments to loosely hold the segments against disengagement from said ring while allowing each segment a limited freedom of independent movement in the annular space between said support ring and said retainer member, and means to hold the segment assembly against rotational bodily displacement within said ring.

2,453,015
SOCKET PRIMARILY FOR RADIO VALVES AND THE LIKE
Donald Jackson, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application September 25, 1946, Serial No. 699,238
In Great Britain August 23, 1945
2 Claims. (Cl. 173—328)



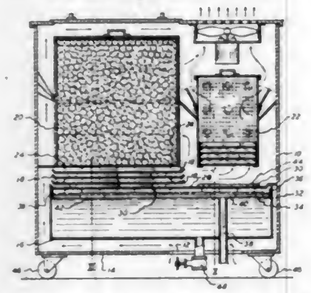
2. A socket installation comprising, in combination, a metallic supporting plate having a series of contact apertures in an annular array around a guide aperture, a one-piece body of insulating material applied to one side of said plate and having a series of contact apertures and a guide aperture registering respectively with said contact apertures and said guide aperture in said plate, a series of pin-receiving contact elements mounted within said contact apertures in said body and having pin-receiving portions disposed to receive co-operating contact pins inserted through said contact apertures in said plate, said body having on the side thereof adjacent said plate a series of bosses through which said contact apertures in said body extend and which project into said contact apertures in said plate to locate said body against rotation relatively to said plate, whereby said bosses provide insulation between said contact elements and the adjacent surrounding metal of said plate and said plate forms an electrostatic screen extending over the entire adjacent side of said body and between adjacent contact elements, a hollow metal guide member in said registering guide apertures for guidably receiving a spigot inserted in said member through said guide aperture in said plate, said guide member comprising a rivet portion securing said body directly to said plate, whereby said guide member is in direct electrical engagement with said plate and forms a continuation extending longitudinally between said contact elements of the electrostatic screen formed by said plate and a resilient portion at the end of said rivet portion remote from said plate forming a spring clip adapted for resiliently and electrically engaging such spigot.

2,453,016
GRAIN ELEVATOR AND TREATING APPARATUS
Edwin T. Johnson and Albin E. Johnson, Walcott, N. Dak.
Application October 4, 1945, Serial No. 620,330
3 Claims. (Cl. 259—22)



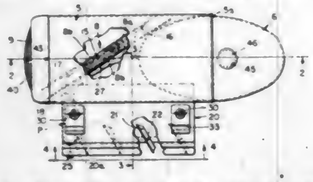
1. A grain elevator and treating apparatus comprising an inclined sleeve having inlet and outlet openings therein, a helical feed screw in said sleeve, a container for treating material mounted on said sleeve, a passage connecting said container with said sleeve, an agitator in said container, means for rotating said screw, a lay shaft mounted upon said sleeve and connected with said feed screw adjacent said means, and gearing positioned between the base of said container and said sleeve for connecting said lay shaft and said agitator, said sleeve being open at its lower end to constitute said inlet, a bearing for said feed screw positioned externally of said inlet end and an open-sided support cage for securing said bearing to said sleeve.

2,453,017
ICE AIR COOLING APPARATUS HAVING ANTISPLASH MEANS
Hiram Joseph Kaufman, Detroit, Mich.
Original application February 23, 1942, Serial No. 432,014. Divided and this application October 26, 1945, Serial No. 624,800
3 Claims. (Cl. 62—133)



1. An air conditioning apparatus of portable construction and adapted to be moved about while in service, comprising an air conditioning unit, a waste tank supported as a unit in the apparatus and movable therewith, a discharge for waste liquid flowing by gravity from said air conditioning unit, an intake in said tank for waste liquid from said discharge, and an anti-splash and silencing means located in said tank in vertical alignment with said discharge and said intake to silence the liquid discharged in said tank and to minimize splashing of waste liquid in said tank outwardly through such intake, against the normal flow of discharge liquid, upon movement of said apparatus in service.

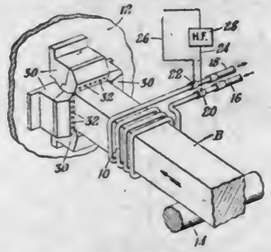
2,453,018
CAR COOLER
James E. Kercheval, San Gabriel, Calif., assignor to General Air Conditioning Corporation, Los Angeles, Calif., a corporation of California
Application March 22, 1948, Serial No. 16,159
4 Claims. (Cl. 261—34)



1. In a car cooler, a tubular casing having an air inlet in its front end, a rectangular air outlet neck projecting laterally from its side and a

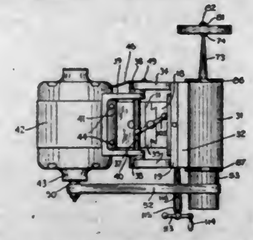
closed water tank at its rear end, a humidifying pad stationarily mounted in the casing between the inlet and outlet neck, manually actuated pressure generating means mounted in the neck for withdrawing water from the tank and forcing it under pressure onto the humidifying pad, and means for mounting the casing on a car with its inlet facing the direction of travel of the car and with its outlet neck projecting into the car through a window thereof; said cooler being further characterized by the pressure generating means having a manually operated actuating member projecting from the discharge end of the outlet neck in position to be accessible to an occupant of the car.

2,453,019
METAL SURFACE CONDITIONING PROCESS
Barnwell R. King, Flushing, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application April 30, 1947, Serial No. 744,814
2 Claims. (Cl. 148—9.5)



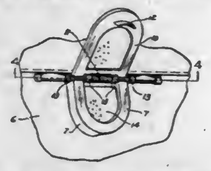
1. The method of eliminating defects in the surface of a ferrous metal body which comprises inducing in the skin of such body a high-frequency heating current to heat the surface metal to a sufficient depth to cause the surface metal at least in the zone of the defects to reach the ignition temperature with oxygen, and applying a stream of oxygen against such heated metal to remove the same thermochemically, thereby eliminating such defects.

2,453,020
LATHE GRINDING DEVICE
Joseph B. Koett, Oneonta, N. Y., assignor, by mesne assignments, to Koett Universal, Inc., Oneonta, N. Y., a corporation of New York
Application March 4, 1946, Serial No. 651,724
1 Claim. (Cl. 51—259)



A grinder for attachment to a lathe comprising an L-shaped member having one side thereof horizontal and the other side thereof vertical, a vertical guide carried by one face of said vertical side, a carriage engaging said guide, means for vertically adjusting said carriage relative to said guide, said carriage having a circular channel in the outer face thereof formed T-shaped in transverse section, a second guide, means engaging in said channel securing said second guide to said carriage, whereby said second guide may be angularly adjusted about a horizontal axis, a second carriage engaging said second guide, means adjusting said second carriage lengthwise of said second guide, a mandrel journalled in said second carriage, a pulley secured to one end of said mandrel, a pair of brackets fixed to said second guide and projecting rearwardly of the latter, a motor pivotally secured between said brackets, a holding link secured between said second guide and said motor, and endless driving means between said motor and pulley, said pulley having substantial width whereby said second carriage may be lengthwise adjusted without breaking the driving connection between said motor and said pulley.

2,453,021
HANDBAG LOCK
Anna Konelsky, New York, N. Y.
Application November 27, 1946, Serial No. 712,702
6 Claims. (Cl. 292—1)



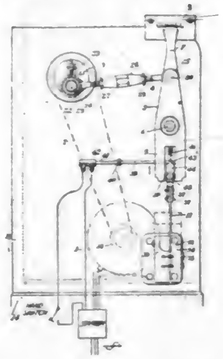
1. A lock for handbags of the envelope type including a bag body and a downwardly swinging closure flap, said lock comprising a permanent magnet mounted on the front of the bag body and a magnetic keeper mounted on the lower edge of the cover flap in position for attraction by and cooperative engagement with said magnet, said keeper being in two parts, including a magnetic bar at the top and a dependent swinging keeper element below the same.

2,453,022
AGENT FOR REDUCING THE SURFACE TENSIONS OF LIQUIDS
Lee Leiserson, Chapel Hill, N. C., assignor to Virginia Smelting Company, West Norfolk, Va., a corporation of Maine
Original application April 28, 1943, Serial No. 484,923, now Patent No. 2,404,913, dated July 30, 1946. Divided and this application May 14, 1946, Serial No. 669,500
4 Caims. (Cl. 252—353)

EX. NO.	THE CONTROL	LIFTING AGENT ADDED	LIFTING AGENT CONCENTRATION	DRAINING TIME IN SECONDS	AVERAGE DRAINING TIME
0	SODIUM BUTYL NAPHTHALENE SULFONATE-0.5 GRAMS PER LITER	NONE	—	64, 60, 65	63 SECONDS
1		CAMPHOR	0.6 GRAMS/LITER	37, 37, 39, 39	38 SECONDS
2		1,1,3— TRIMETHYLCYCLOHEXANONE—3	0.6 CC. LITER	39, 44, 41	41 SECONDS
3		ISOPHORONE	0.6 CC. LITER	51, 47, 48	49 SECONDS
4		CYCLOHEXANONE	0.5 CC. LITER	54, 50, 52	54 SECONDS

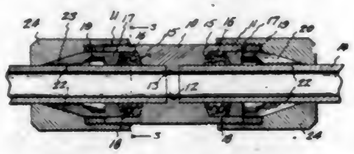
1. A liquid, the surface activity of which has been changed, consisting of a solution of a sodium alkyl naphthalene sulfonate and a cyclic ketone selected from the group consisting of camphor, isophorone, cyclohexanone and 1,1,3 trimethylcyclohexanone.

2,453,023
MACHINE FOR TESTING MATERIALS CONSTRAINED TO ALTERNATE FLEXURE
Robert L'Hermite, Clermont-Ferrand, France, assignor to Fondation dite: Groupement Francais Pour Le Developpement des Recherches Aeronautiques, Clermont-Ferrand, France
Application March 3, 1945, Serial No. 580,773
In France May 22, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 22, 1962
4 Claims. (Cl. 73—100)



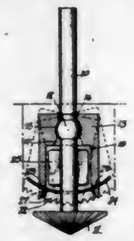
1. A machine for testing materials constrained to alternate flexure comprising jaw members adapted to grip firmly one end of a test-piece, a motor, a crank plate of variable eccentricity, means connecting said motor with said crank-plate to rotate the latter, a beam oscillatable about an axis parallel to the axis of flexure of the test-piece and provided with a bifurcated portion on one side of said axis of oscillation, a longitudinally adjustable connecting rod connecting said crank plate with a point of said beam on the other side of said axis of oscillation, a member secured to the free end of the test-piece, a spindle supported in said member, a roller rotatable on said spindle, bifurcated portion of said beam engaging said roller, and a device for comparing the amplitude of displacement of the free end of said test-piece with that of the displacement caused by a stress of definite intensity, said device comprising a scale member and an indicating member, one of said members being fixed and the other of said members being movable with said beam.

2,453,024
COUPLING
George Freeman Lomelino, Olney, Ill., assignor of one-half to Lawrence E. Ostrom, Olney, Ill.
Application April 24, 1946, Serial No. 664,511
1 Claim. (Cl. 285—123)



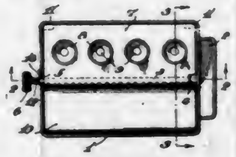
A coupling of the class described comprising a body having a bore to receive a connecting element, said body having a packing receiving recess, a compressible packing fitted in said recess, a thimble slidably engaging the packing and having a thickened packing engaging end for compressing the packing and sealing the areas around said element, said thimble having a split tapering opposite end defining a plurality of gripping jaws, said thimble also having a cut-away cavity in its inner face intermediate the gripping jaws and the thickened packing engaging end to provide relatively thin spring-like connecting portions between the thickened end and the gripping jaws, the split defining the jaws extending from the outer end of the jaws across the cut-away cavity to the thickened end, a wedging element surrounding the thimble and engaging the tapering jaws for clamping the jaws in locked engagement with a connecting element to be received by said body, and gripping teeth formed upon the inner face of said jaws for biting into the connecting element, the inner faces of the spring-like connecting portions being spaced radially from the connecting element which is to be received by said body.

2,453,025
DEVICE FOR CUTTING NONCIRCULAR HOLES
Pai Yen Loung, New York, N. Y.
Application March 25, 1948, Serial No. 16,965
7 Claims. (Cl. 77—61)



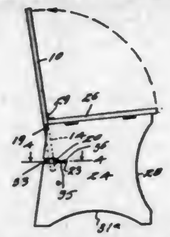
1. A drilling device which includes a rotatable shaft having a circular drill at its lower end, an oscillatable hollow block mounted on the shaft, and means on the shaft and within the block to oscillate the block as the shaft is turned, and cutting teeth on the lower face of the block.

2,453,026
CIGARETTE EXTINGUISHER AND ASH TRAY
Robert M. Maney, Oklahoma City, Okla.
Application February 26, 1945, Serial No. 579,778
4 Claims. (Cl. 231—235)



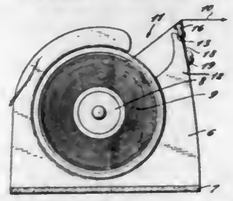
1. In an ash tray and cigarette extinguisher, the combination with a receptacle, of a one piece cover therefor pivotally supported to swing about a horizontal axis extending across the middle thereof, and a vertically disposed funnel carried by said cover at one side of said axis and having its lower open end substantially smaller than the diameter of a cigarette, so that when a lighted cigarette is placed therein, it will be supported and extinguished, and the ashes only will pass through.

2,453,027
HINGED BACK COLLAPSIBLE CHAIR
Arthur A. Marks, Portland, Oreg.
Application April 8, 1946, Serial No. 660,368
4 Claims. (Cl. 155—148)



4. In combination a seat having a pair of supporting panels arranged at opposite sides thereof, said panels formed with horizontal recesses upon their rear edges, a back rest panel having its major length extending above said seat in hinged relation and having a minor portion extending slidably between said supporting panels, oppositely arranged studs carried by the minor portion of said back rest panel designed to move into said recesses, and means on said seat supporting panels engaging said studs to hold the back rest panel in rigid upright position relatively to said seat.

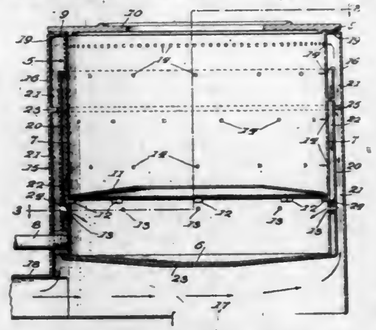
2,453,028
TAPE DISPENSER
Edwin W. Mason, Wyckoff, N. J.
Application May 25, 1946, Serial No. 672,191
1 Claim. (Cl. 164—84.5)



In a device for dispensing pressure-sensitive adhesive tape, a support for a roll of tape, a frame in which said roll of tape is rotatably mounted upon said support, a standard formed on said frame spaced from said roll of tape and having a cam surface at the upper extremity thereof, a spring knife structure secured to the front surface of said standard and extending upwardly beyond said cam surface, and a cradle structure constituting a movable support for the tape extending from said roll over the cutting edge of the spring knife structure, whereby the knife is flexed forwardly of the cam surface while the tape is being severed by the cutting edge.

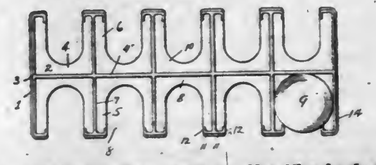
2,453,029
OPEN POT OIL BURNER WITH UNBALANCED AIR SUPPLY
Leon D. Mills, Tacoma, Wash.
Application June 30, 1947, Serial No. 758,075
5 Claims. (Cl. 158—91)

1. An oil burner comprising a pot having an oil inlet, said pot comprising a bottom and a side wall, said side wall having a series of primary air inlet openings in its lower portion and having secondary air inlet perforations above said primary air inlet openings, an air supply jacket enclosing said pot, said jacket having a side wall surrounding and spaced from said pot side wall and having a bottom spaced downwardly from said pot bottom, said jacket having an inlet in its lower portion for admitting air under pressure and being closed at its upper end, a continuous shield wall in the space between said side walls of said pot and jacket and dividing said space into an up-flow passage adjacent said jacket side wall and a down-flow passage adjacent said pot side wall, the lower end of said up-flow passage being open to receive air from the lower portion of said jacket, the lower end of said shield cooperating with said pot to close the lower end of said down-flow passage, the upper ends of said up-flow and down-flow passages being in communication with



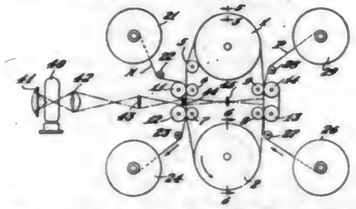
each other, primary air conducting means placing said up-flow passage in communication with said primary air inlet openings and segregating these openings from said down-flow passage, and air-flow restricting means above said air-conducting means and so associated with said up-flow passage as to cause lower air pressure in the upper portion of said jacket than in the lower portion thereof when air is supplied to said jacket under relatively high pressure; whereby, while the air and oil supplies remain adjusted for high-flame, sufficient air will be forced through said primary air inlet openings to insure combustion of all oil then entering the pot, thereby preventing a pool of oil from being left in said pot when the supplies of air and oil are reduced for low flame.

2,453,030
RACK FOR POKER CHIPS AND THE LIKE
Irving I. Newman, Leominster, Mass., assignor to Reliance Molded Plastics, Inc., Providence, R. I.
Application October 7, 1946, Serial No. 701,790
3 Claims. (Cl. 211—49)



1. A rack for poker chips or the like including a body closed at the bottom and ends and open at the top, a series of angularly-related partitions in the body defining a plurality of chip-receiving compartments, the compartments being sized to more or less snugly receive the chips to prevent their movement in each of at least two directions, certain of the partitions having lateral end projections with inwardly-extending end flanges to prevent movement of the chips in another direction.

2,453,031
CINEMATOGRAPHIC APPARATUS
Earl M. Olds, Jr., Van Nuys, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application August 2, 1946, Serial No. 687,888
14 Claims. (Cl. 271—2.3)



1. For handling cinematographic film having a row of sprocket holes along each margin, apparatus comprising two carriers movable independently of each other along parallel paths, each carrier having teeth engageable in the sprocket holes of one of said rows, means for driving one carrier, and means for synchronizing the other carrier with the driven carrier, the synchronizing means having a row of sprocket holes for each of said rows of teeth, the holes of the row for the driven carrier being enlarged in the direction opposite to the direction of film travel and the holes of the other row being enlarged in the direction of film travel.

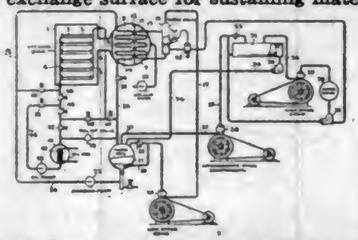
2,453,032
EMERGENCY TELEPHONE CALL AND CIRCUIT THEREFOR
Joseph Palumbo, Bronx, N. Y.
Application May 1, 1945, Serial No. 591,274
5 Claims. (Cl. 179—81)



1. The combination with a telephone receiver having a calling circuit and a calling bell energized thereby and a talking circuit with a switch operated by the withdrawal of the receiver therefrom, of means for supplying current to the calling circuit to energize the calling bell or to the talking circuit when the receiver is disengaged from said switch, and connections between the calling circuit and the talking circuit for energizing the calling bell when the receiver is disengaged from the said switch, said connections including means for supplying excess current to said talking circuit and a switch arranged to close the calling circuit when said excess current is supplied to the talking circuit.

2,453,033
VACUUM DRYING APPARATUS USING A REFRIGERANT SYSTEM FOR HEATING AND COOLING
Veit C. Patterson, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware
Application March 8, 1945, Serial No. 581,645
6 Claims. (Cl. 34—76)

1. A plant for drying from the frozen state, comprising a closed drying chamber; a mechanical refrigerative circuit containing a volatile refrigerant and having a high side, and a low side, the latter of which includes low temperature refrigerative evaporator means having heat exchange surface exposed to vapors evolved in said chamber; evacuating means for withdrawing noncondensible gases from said chamber; a heat exchanger affording within said chamber at least one heat exchange surface for sustaining material to



be dried; means for circulating a heat conveying liquid, said liquid being compatible with the refrigerant used in said refrigerating circuit; and valve means operable to connect the last named heat exchanger selectively in circuit with said circulating means, or in said refrigerative circuit as a portion of the low side thereof, and alternatively to interrupt said connections and drain said heat exchanger.

2,453,034
FASTENING MEANS
Ernest Pizzarelli, New York, N. Y.
Application November 23, 1945, Serial No. 630,214
3 Claims. (Cl. 24—12)

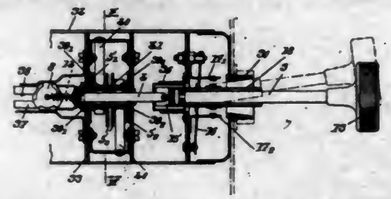


1. Fastening means for a tubular instrument comprising the combination of: the wall of the instrument; a clip attached to the wall; a spring extending upwardly within the instrument in the line of the clip and attached at its base to the aforesaid wall; means at the upper free end of the spring extending through and beyond an orifice in the wall and above the point of attachment of the clip thereto whereby the spring may be actuated; and a pin attached to the spring extending through and beyond an orifice in the wall at a point between the lower end of the clip and the point of its attachment to the wall.

2,453,035
MULTIPLE FUNCTION SWITCH
Louis Emile Ponsy, Clichy, France, assignor to "Silto S. A.," Paris, France, a society of France
Application April 9, 1947, Serial No. 740,415
In France January 4, 1947
9 Claims. (Cl. 200—4)

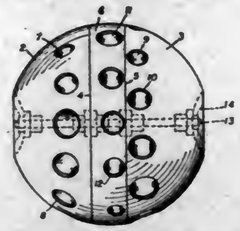
1. A multiple function switch which comprises, in combination, a frame, a plurality of contact

elements carried by said frame, a spindle movable with respect to said frame with both rotary displacements about its axis and translatory displacements along said axis, contact elements carried by said spindle adapted to cooperate with said first mentioned contact elements, respectively, in different ways according to the position



of said spindle with respect to said frame, a member for controlling said spindle, said control member being connected with said spindle so as to be movable transversely to the axis thereof, and supplementary contacts carried by said frame operative by said control member in response to transverse displacements thereof with respect to said axis.

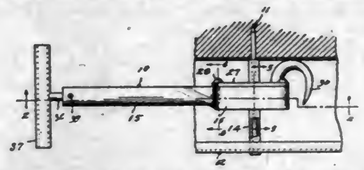
2,453,036
GRIP MEASURING BALL FOR BOWLERS
Henry Reitsma, Hackensack, N. J., assignor of one-half to Jack G. Hunter, Ridgewood, N. J.
Application March 6, 1947, Serial No. 732,839
2 Claims. (Cl. 33—174)



1. A grip measuring device for bowlers comprising a ball including a pair of side segmental sections with flat sides facing, a diametrical flat sided intermediate section interposed between said side sections, a bolt extending axially through said sections with end nuts thereon and upon which said sections are relatively rotatable into different set positions established by tightening of said nuts, one of said side sections being provided with a circular series of thumb grip holes therein, the other side section and said intermediate section having respectively a circular series of finger grip holes therein, the holes in said series being of different diameters in each series to accommodate thumbs and fingers of different sizes and the series of holes in the side sections being differently spaced from the sides of said intermediate section, whereby in different set positions of said sections plural hole combination grips may be attained with finger grip holes therein spaced closer together laterally than to a thumb grip hole and the holes in each combination varying in size relatively.

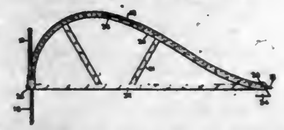
2,453,037
NAIL PULLER
Carl W. Reynolds, Barboursville, W. Va.
Application April 29, 1946, Serial No. 665,826
3 Claims. (Cl. 254—21)

1. A nail puller comprising a tubular handle, an enlarged side opening puller head at one end of said handle, said head formed with a recess opening through the bottom thereof, a side on said head having a rabbeted guide formed thereon, the lower end of said head providing a fixed clamping jaw, an upwardly extending lug on said lower end on the open side thereof, a U-shaped cover plate for said head for covering said recess, the leg of said cover plate overlapping the lower end of said head being formed with a knife edge,



a sliding jaw in said head, slidable between said upper and lower ends and between said rabbeted guide and said cover plate for clamping a nail between said fixed and movable jaws and said knife edge, a screw rotatably secured to said sliding jaw and extending through said handle, cooperating threads on said screw and said handle for moving said screw and said sliding jaw, and a transverse handle fixed to said screw extending from said handle for rotating said screw.

2,453,038
ONE-PIECE SUCKER ROD
Peter F. Rossmann, Morristown, N. J.
Application May 5, 1945, Serial No. 592,229
2 Claims. (Cl. 255—11)

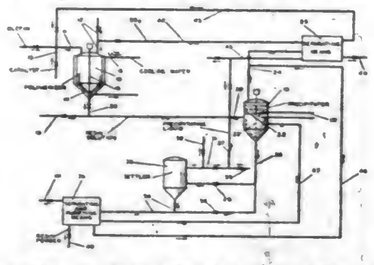


1. Apparatus for guiding a long continuous sucker rod from a horizontal position on the ground into its operative position depending vertically in a well, comprising a cradle having a horizontally disposed intake end for receiving the rod and a vertically disposed discharge end for guiding the rod into the well, and cradle portion between said intake and discharge ends defining a continuous curve gradually curving upward from its intake end to a point of maximum elevation and curving from said point of maximum elevation downwardly to its discharge end, said downward curve being more sharply defined than its upward curve end within the elastic limit of said rod, said downwardly curved end of the cradle being pivotally mounted to rock about a horizontal axis to reciprocate said end and that part of the rod carried thereby to cause said sucker rod to function, and means for rocking said cradle.

2,453,039
MANUFACTURE OF RESINS FROM SULFUR DIOXIDE AND UNSATURATED ORGANIC COMPOUNDS
Allison K. Scribner and Frank W. Wilder, Portsmouth, Va., assignors, by mesne assignments, to Phillips Petroleum Company, a corporation of Delaware
Application August 23, 1943, Serial No. 499,713
5 Claims. (Cl. 260—94.5)

1. The process of making a sulfur dioxide-olefin resin in the form of a finely divided powder suitable for molding, without mechanical grinding, which comprises reacting a mixture of 50 weight

per cent of propylene, 33 weight per cent of butene-2 and 17 weight per cent of butene-1 with liquid anhydrous sulfur dioxide, sulfur dioxide being present in an amount ranging from 15 to 20 times by weight the amount of said olefins at a temperature of from 80° F. to 105° F. and under pressure until 75 per cent of said olefins have reacted with sulfur dioxide to form a heteropolymeric resin dissolved in the excess of liquid sulfur dioxide, the solution being a free-flowing liquid having a viscosity similar to that of SAE 30 lubricating oil, withdrawing said solution from the reaction zone, rapidly and intimately and with vigorous agitation mixing a stream of said solu-



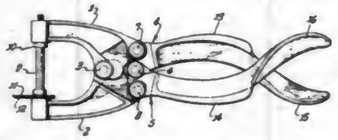
tion with a mechanically vigorously agitated body of water maintained at a temperature of from 90 to 120° F. and of a volume sufficiently large that the resin is precipitated in finely divided solid form to form a pumpable mobile slurry, effecting said mixing at substantially atmospheric pressure such that a major portion of the sulfur dioxide is vaporized and immediately removed from the resulting slurry of water and precipitated resin, settling said slurry and thereby separating same into the bulk of the water and relatively concentrated slurry, and subjecting said concentrated slurry to drying to produce a dry finely divided powdered resin as the final product of the process.

2,453,040
ART OF TREATING LEAFY VEGETABLES
Jagan N. Sharma, Los Angeles, Calif., assignor of 9/100 to William H. Wilson, 9/100 to Annetta E. Wilson, 9/100 to Nancy J. Doyle, 9/100 to William H. Wilson, Jr., 9/100 to Robert M. Wilson, and 5/100 to A. H. Wilson
No Drawing. Application April 9, 1945, Serial No. 587,440
11 Claims. (Cl. 99—193)

1. In a method of inhibiting the discoloration of butt ends of lettuce during shipment and the development of detrimental plasmolysis after the lettuce is unpacked at its destination, the step of: subjecting the butts of lettuce to contact with a substantially neutral aqueous solution containing from about 0.04% to 1.0% of formaldehyde, during shipment under refrigerated conditions.

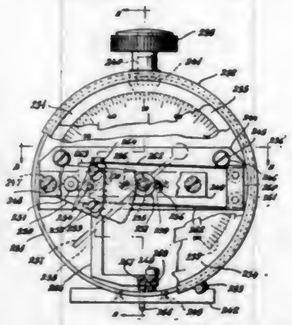
2,453,041
SELF-LOCKING PLIERS WITH CROSSED HANDLES
William A. Sharp, National City, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application June 7, 1944, Serial No. 539,145
2 Claims. (Cl. 81—46)

1. A self-locking plier comprising: a pair of jaw members and means hingedly connecting them together for opening and closing movement; a pair of handles and means connecting them to each other for swinging movement between open and closed positions; means coupling said handles to said jaw members for closing the jaw members in response to squeezing of said handles together, said means being so constructed and arranged that squeezing of said handles together into a predetermined position locks the handles against opening movement by an opening force applied to said jaw members;



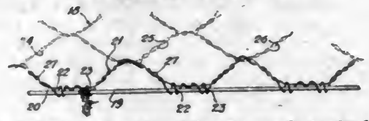
and said handles having extensions thereon constituting auxiliary hand grips, said extensions being of shape such that they cross each other and separate when said handles are squeezed together into said predetermined position, whereby said handles can be moved out of fully closed position and unlocked by squeezing said hand grips together.

2,453,042
GAUGE FOR MEASURING AND INDICATING THE HARDNESS OF VARIOUS SUBSTANCES
William F. Shore, Freeport, N. Y.
Application February 27, 1946, Serial No. 650,449
7 Claims. (Cl. 73—81)



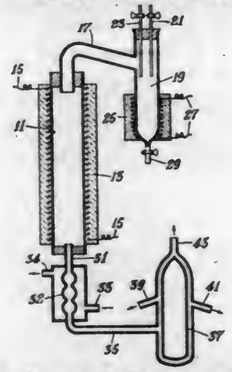
1. In a gauge for measuring the hardness of substances, a support, a leaf spring member anchored at one end on the support, a member mounted on the free end of the spring member, a penetrator mounted on the member and urged by the spring member to predetermined position with the penetrator extending in a direction transversely and intermediate the ends of the spring member, a graduated dial fixed on the support, a pointer rotatable relative to the dial and yieldingly urged to zero position, said support adapted to forcibly impress the penetrator against the substance the hardness of which is to be tested, the penetrator having movement relative to the support against the tension of and increase the tension of the spring member proportional to the resistance of said substance to the penetration thereof by the penetrator and the support having movement relative to the penetrator toward the substance, and means to actuate the pointer relative to the dial from and in predetermined ratio to the movement of the penetrator and support relative to each other and indicate on the dial the pressure resisted by the substance to the penetration thereof by the penetrator.

2,453,043
HAIR NET
Nathan L. Solomon, Englewood, N. J.
Application November 15, 1945, Serial No. 628,810
3 Claims. (Cl. 87—2)



1. A hair net comprising a mesh body having scalloped-like edge portions forming boundary side edges of the resulting net, extensible strands arranged along said boundary edges, said mesh body being composed of warp and bobbin strands, and said boundary edges including bobbin strands having reinforcing characteristics looped around said extensible strands a plurality of times at each scallop of the edge portions in supporting said extensible strands at the boundary edges of said net.

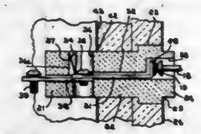
2,453,044
PROCESS FOR PRODUCING CYCLOPENTADIENE AND ITS HOMOLOGUES
Charles Eugene Staff, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application August 11, 1939, Serial No. 289,590
15 Claims. (Cl. 260—666)



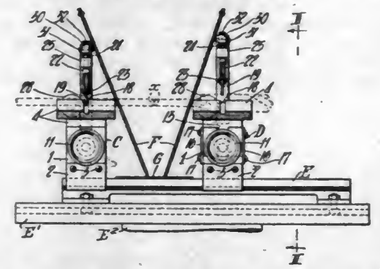
8. Process for producing a cyclopentadiene, which comprises continuously dispersing a flowing stream of superheated vapors of a dicyclopentadiene in a non-liquid fluid inert thereto, while at a temperature below that at which substantial polymerization of the dicyclopentadiene occurs, rapidly conducting a flowing stream of the dispersed superheated dicyclopentadiene vapors through a depolymerization zone maintained at a high temperature within the range between around 200° C. and 800° C., thereby depolymerizing the dicyclopentadiene and forming the corresponding monomer, and immediately thereafter cooling said stream of vapors and isolating said monomer, thereby inhibiting further polymerization of the dicyclopentadiene and substantial further cracking of said monomer.

2,453,045
ELECTRIC TERMINAL RECEPTACLE
Ernest E. Sutherland, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1943, Serial No. 504,371
5 Claims. (Cl. 173—332)

5. A terminal receptacle comprising a block of insulating material having an opening therethrough, a rigid conductor slidably received in said opening, a contact carried by said conductor adjacent one end of said opening, and a spring member detachably secured to said conductor adjacent the other end of said opening, said spring member engaging said block to bias said conductor in a direction to yieldingly resist movement by a terminal moved into engagement with said contact to provide suitable pressure between the terminal and said contact, said contact and said conductor being removable from said opening at said one end, and said spring member being accessible from said other end of said opening.



2,453,046
WELDING JIG FOR BROKEN DRILLS
Willard J. Sutton, Gary, Ind.
Application April 5, 1946, Serial No. 659,935
2 Claims. (Cl. 113—99)



1. A jig for holding metal work pieces in alignment for welding comprising a bed, a first upright stand fixed to said bed, a second upright stand slidably carried by said bed and being freely movable toward and away from said first stand, a jaw fixed to one of said stands and having a work receiving notch, a jaw carried by the other stand for vertical adjustment and having a work receiving notch, rack and pinion means and clamp means carried by the stand having the adjustable jaw for effecting adjustment of this jaw and fixing its position, posts carried by each of said stands for vertical adjustment and having arms overhanging the work receiving notches of said jaws, work clamps carried by said arms and being cooperable with said jaws for clamping work pieces, and fingers fulcrumed to said arms for engaging and releasing said work clamps from the work piece.

2,453,047
SHEET MATERIAL DISPLAY DEVICE
John Austin Taylor, Elmhurst, N. Y., assignor to Heinz Art Service, New York, N. Y.
Application May 4, 1946, Serial No. 667,455
3 Claims. (Cl. 40—126)

1. A display device which comprises a sheet foldable along a vertical central line at a divergent angle to form side walls, a central portion thereof bendable forward at a convergent angle to form intermediate walls, tongue and slit means on the sheet to hold the portions in their folded position, a bracing member foldable in a zig-zag

manner and disposed along the lower portion of the sheet extending between the side walls thereof and tongue and slit connections for connect-



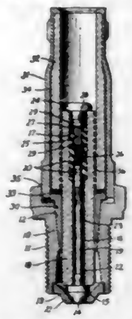
ing the ends of the bracing member to the side walls and its middle to one of the intermediate walls.

2,453,048

SPARK PLUG AND METHOD OF MAKING THE SAME

Tullio Tognola and Louis H. Segall, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware

Application July 13, 1943, Serial No. 494,516
17 Claims. (Cl. 123—169)



1. A spark plug comprising a cylinder engaging shell, a ground electrode secured in said shell, a center electrode assembly comprising a rigid tubular insulator, a metallic conducting spindle in said insulator, said spindle terminating at one end intermediate the ends of said insulator and having an enlarged head portion at the other end thereof in spark gap relation with said ground electrode and in engagement with a laterally extending surface of said insulator, radially yieldable means, such as a plurality of layers of metallic sheet material, surrounding a portion of said spindle for centering the same in the bore of said insulator, a metallic terminal extending into the bore of said insulator, a rigid mass of non-conducting filling material comprising aluminum oxide and lead oxide in the bore of said insulator between said terminal and spindle, said mass having interlocking relation with said terminal and spindle, conducting means embedded in said mass for electrically connecting said terminal and spindle, said conducting means including an electrical resistor having a resistance in excess of 75 ohms and a wire of small diameter, a tapered sleeve of deformable metal wedged between said insulator and a tapered internal wall of said shell for supporting said electrode assembly in said shell, and means secured in said shell for holding said sleeve against movement out of said shell, said last-named means comprising a metallic shielding barrel and an insulating liner therefor, said liner including a rigid insulating tube placed end to end with at least one slightly yieldable insulating washer and a filling of sheet material for centering said rigid tube in said barrel.

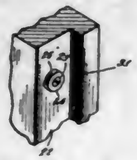
15. The method of making a spark plug which includes the steps of molding a tubular insulator, making a metallic electrode having a spindle, wrapping a plurality of layers of metallic sheet material around at least a portion of said spindle, securing a fine, electrically conductive wire to one end of said spindle, inserting said spindle in the bore of said insulator with said sheet material in close contact with the walls of said bore and with said wire extending from one end of said bore, filling the bore of said insulator around said wire and a portion of said spindle with a powdered mixture of insulating materials having different melting temperatures, heating said mixture to a temperature equal to at least the melting temperature of the component of said mixture having the lowest melting temperature, and inserting electrically conductive terminal means into said bore in contact with said wire to embed at least a portion of said terminal means in said insulating mixture, and thereafter permitting said mixture to cool and solidify.

2,453,049

DOOR-SAG CORRECTING MECHANISM

David P. Triller, Indianapolis, Ind.

Application April 22, 1947, Serial No. 743,142
14 Claims. (Cl. 16—82)



1. A door guide for use with a door and its frame comprising an element mounted on the free vertical edge of such door and an element mounted on the associated edge of the door frame in position to be engaged by said door-mounted element, as the door approaches closed position, one of said elements being adjustably mounted upon an eccentric horizontal axis.

2,453,050

PROCESS OF SMELTING TITANIFEROUS ORE

Forrest L. Turbett, Joplin, Mo., assignor to The Eagle-Picher Company, a corporation of Ohio

No Drawing. Application February 25, 1944, Serial No. 523,931
6 Claims. (Cl. 75—30)

1. The process of smelting titaniferous iron ore which comprises subdividing the ore, mixing therewith finely-divided coking coal and a minor proportion of a solid, non-siliceous alkali-metal compound giving a fusible slag, then reducing the ore and coking the coal to form an iron sodium titanate dispersion in a mechanically strong form of carbon, adding a substantial proportion of a flux consisting essentially of an alkaline-earth-metal compound, then separating the iron from the coke by burning out the latter thereby reaching a temperature above the melting point of the iron, and then separating the molten iron from the generated slag.

2,453,051

BATHING TRUNKS

Umberto Vacca, Brooklyn, N. Y.

Application September 25, 1946, Serial No. 699,247
5 Claims. (Cl. 2—67)



5. A pants form of garment comprising a back panel, a front panel of approximately the same width as the back panel and a crotch portion connecting the front and back panels, a relatively long triangular member upon each side of the back panel, each member being secured along the base edge of the triangle to a side edge of the back panel with the back edge of the triangle forming a continuation of the top edge of the back panel, said triangular members being of substantial length whereby they are adapted to be disposed one over the other across the front side of the front panel, means for attaching the triangular members to the front panel, and means for securing the triangular members one to the other.

2,453,052

STAIN RESISTANT PLASTICIZED POLYVINYL CHLORIDE RESIN COATINGS

Howard A. Van Etten, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 3, 1946, Serial No. 681,407
7 Claims. (Cl. 117—76)



1. A supple stratified film comprising a plurality of strata each containing a polyvinyl chloride resin, one of the said strata containing polypropylene glycol sebacate as a plasticizer for the resin, and the other strata containing chlorinated paraffin as a plasticizer for the resin.

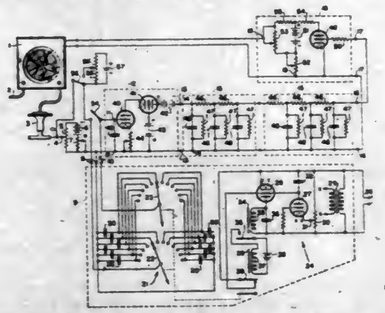
2,453,053

ANALYZING APPARATUS

William H. Wannamaker, Jr., Flourtown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 27, 1945, Serial No. 585,125
3 Claims. (Cl. 320—1)

1. Means operable after the lapse of an adjustable time interval to transfer a voltage from a first pair of terminals in an electrical network to a second pair of terminals therein comprising a plurality of condensers having a common terminal, a multiple contact switch having two sections each provided with a switch arm and an associated plurality of contact points each of which is connected to an individual one of the other terminals of said condensers, means connecting said first pair of terminals between one of said switch arms and said common terminal of said condensers, means connecting said second pair of terminals to the other switch arm and said common terminal of said condensers, said switch arms being so arranged with respect to each other and their associated switch sections that said one switch arm connects said first pair of terminals to each of said condensers before said second switch arm connects each of said condensers to said second pair of terminals, and means to cause said switch arms to successively engage each of the contact points on their associated switch sections comprising a plurality of electronic valves, each of said valves having an input circuit and an output circuit, a source of



power for supplying alternating current to said electronic valves, means for so connecting said electronic valves to said source that one of said valves is operative on only one half cycle of said alternating current while another of said valves is operative on only the alternate half cycles, adjustable bias means connected in the input circuit of said one valve, a condenser connected in the output circuit of said one valve, the input circuit of said other valve being connected across said condenser, a relay having an operating winding connected in the output circuit of said other valve, a movable member actuable from one position to another and operative when actuated to advance each of said switch arms from one contact point on its associated switch section to an adjacent contact point, a second relay controlled by said first mentioned relay to actuate said movable member, and switch means operated in unison with said armature to shunt the condenser in the output circuit of said one device when said movable member is in one of said positions.

2,453,054

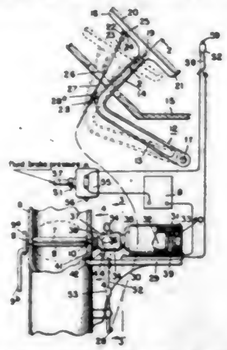
COMBINATION BRAKE PEDAL AND THROTTLE

Richard Eldridge Whiffen, Hammonton, N. J.

Application July 18, 1947, Serial No. 761,824
7 Claims. (Cl. 192—3)

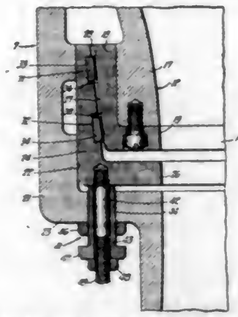
7. In a motor vehicle control device, a throttle valve, a brake lever, a foot pedal pivotally mounted on said brake lever, a solenoid having a rotatable and slidable core, clutch means having a driving and a driven element, the driving element of said clutch means and the core of said solenoid being formed as a unit, a Bowden wire motion transmitting device, one end of said Bowden wire being connected to said brake lever and said foot pedal so that pivotal movement of said

foot pedal with respect to said brake lever will transmit motion to the other end of said Bowden wire, means to connect said other end of said Bowden wire to the driving element of said clutch means so as to rotate said driving element, means operatively connecting the driven element of said clutch means and said throttle valve, resilient means normally urging said clutch means into engagement, said solenoid arranged to oppose the resilient means when energized to disengage the



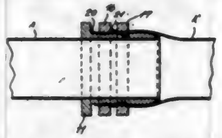
clutch, an electric circuit including a source of electricity, a foot switch, and a hand switch connected to said solenoid, said foot switch being arranged so as to be responsive to application of the vehicle brakes to cause said solenoid to be energized to disengage said clutch means, said hand switch thereafter being operable to de-energize said solenoid to permit re-engagement of said clutch means while said brakes are applied.

2,453,055
TURBINE SEAL
Ira Morgan White, Walnut Creek, and Hilding E. Nelson, San Francisco, Calif., assignors to The Pelton Water Wheel Company, San Francisco, Calif., a corporation of California
Application July 29, 1946, Serial No. 686,998
1 Claim. (Cl. 286—7)



A hydraulic turbine seal comprising a turbine casing having a cylindrical inner wall and an adjacent radial wall merging with a smaller cylindrical wall, a sealing annulus in said casing slidable on said inner wall and having a radial flange adjacent said radial wall and terminating in registry with said smaller cylindrical wall, said annulus having a conical inner surface, a turbine runner in said casing having a cylindrical outer surface and an inner surface in registry with said smaller cylindrical wall, a second annulus engaging said runner outer surface and having a radial flange terminating in registry with said smaller cylindrical surface, said second annulus having a conical outer surface, and means extending through said radial wall of said casing and engaging said sealing annulus for sliding said sealing annulus toward and away from said second annulus in response to manipulation outside said casing.

2,453,056
SURGICAL ANASTOMOSIS APPARATUS AND METHOD
William Edwin Zack, Berwyn, Ill.
Application March 12, 1947, Serial No. 734,032
12 Claims. (Cl. 128—334)



1. In a device of the character described, an anastomosis tube having a pair of annular spaced-apart peripheral grooves, a ring-like clamping member movable onto said tube and admeasured to be moved into and retained in one of said grooves, and a second ring-like clamping member movable onto said tube and admeasured to be moved into and retained in the other of said grooves.

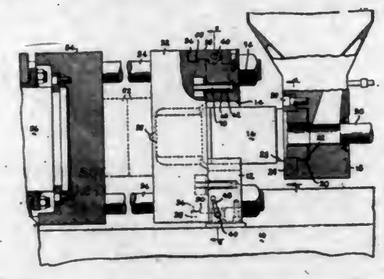
2,453,057
N-MONOFORMYL-N,N'-DISUBSTITUTED ETHYLENEDIAMINES
Ferdinand B. Zienty, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 11, 1945, Serial No. 598,923
12 Claims. (Cl. 260—561)

1. A method of preparing an N-monoformyl derivative of an N,N'-di-substituted ethylenediamine comprising heating in a reaction zone formic acid and an ethylenediamine selected from the group consisting of N,N'-dialkyl ethylenediamines, N,N' - diaralkyl ethylenediamines, N,N'-diaryl ethylenediamines and N,N'-dicycloalkyl ethylenediamines at a temperature at which substantially one mole of water splits off from the reactants for each mole of said ethylenediamine, retaining said water in said reaction zone during the course of the reaction and subsequently recovering said N-formyl derivative from the reaction mixture.

7. As a new composition of matter an N-monoformyl derivative of an N,N'-di-substituted ethylenediamine selected from the group consisting of N,N'-dialkyl ethylenediamines, N,N'-diaralkyl ethylenediamines, N,N'-diaryl ethylenediamines and N,N'-dicycloalkyl ethylene diamines.

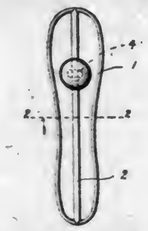
2,453,058
INJECTION MACHINE
Bernard D. Ashbaugh, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application April 13, 1945, Serial No. 588,128
6 Claims. (Cl. 18—30)

2. The combination in an injection molding machine of a bed, a stationary bolster plate mounted on said bed, a transverse notch in said bolster plate, a mold carrying plate adjacent said bolster plate having a recess therein; a heating chamber detachably carried by said injection machine and extending into said notch and recess; telescoping plunger means carried by said bolster plate and abutting said mold carrying plate and operable by pressure fluid for urging said plates apart; means carried by said bolster plate and



in engagement with said mold carrying plate for limiting the spacing movement of said plates; and means for disengaging said last mentioned means whereby said mold carrying plate may be spaced away from said bolster plate and beyond the end of said heating chamber.

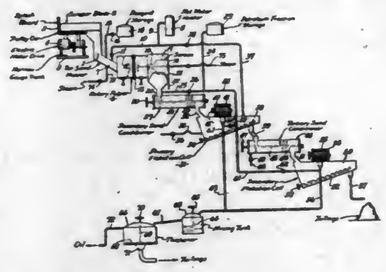
2,453,059
STOCKING STRETCHER
Walter L. Bannister, Fort William, Ontario, Canada, assignor to Leonard W. Bennett, Port Arthur, Ontario, Canada
Application January 25, 1947, Serial No. 724,417
4 Claims. (Cl. 223—75)



1. A device for drying and stretching a stocking comprising: an elongated substantially oval shaped body portion, an axially disposed sustaining member fixed to said body portion longitudinally thereof, and a heel engaging ball slidably carried on said sustaining member and adapted to be frictionally held in place thereon by said stocking when it is stretched thereon.

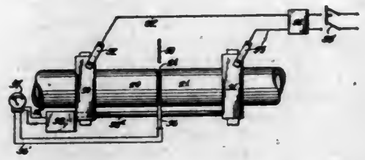
2,453,060
PROCESS AND APPARATUS FOR TREATING BITUMINOUS SANDS
Robert F. Bauer and Harold J. Matthews, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 26, 1944, Serial No. 551,364
2 Claims. (Cl. 196—14)

2. A process for treating bituminous sands to separately recover the bitumen and the bitumen-free sand therefrom which comprises introducing bituminous sands, conditioning reagent, hot water and steam into a rotary pulper and sand conditioner having means for agitating and pulverizing said bituminous sands, disintegrating said bituminous sands therein and thereby forming a pulp comprising disintegrated bituminous sands and water; segregating foreign matter from said pulp and cascading said pulp into a secondary sand conditioner having means for agitating said pulp, introducing into said secondary sand conditioner a solvent adapted to dissolve bitumen, agitating and aerating the mixture of pulp and solvent; cascading the agitated and aerated mixture of pulp and solvent into a primary flotation cell containing water; skimming a froth comprising bitumen and solvent from the surface of the water in said primary flotation cell; cascading bituminous sand slurry from the bottom of said pri-



mary flotation cell into a tertiary sand conditioner, and agitating and aerating said sand slurry; cascading the aerated bituminous sand slurry into a secondary flotation cell containing water; skimming a froth comprising bitumen and solvent from the surface of the water in said secondary flotation cell and removing clean sand particles from the bottom of said secondary flotation cell.

2,453,061
ELECTRIC RESISTANCE AND FILLER METAL BUTT WELDING
Herbert A. Bissout, Merchantville, N. J., and William Y. Borresen, Philadelphia, Pa., assignors to W. K. Mitchell & Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1943, Serial No. 488,658
2 Claims. (Cl. 219—10)



1. The process of butt welding transverse joints in metallic tubular members, which consists in forming thin opposing lips at the extreme inner circumferential edge of a transverse joint and cutting away outer metal adjacent these lips to form the bottom of a weld groove about the weld edges of the members, placing said lips in opposed contact, passing electric current across the joint to heat the lips to welding temperature, pressing the lips one against the other beginning when they are at welding temperature, to pressure weld them, and filling in the circumferential space about the pipe with added weld metal while keeping the lips intact at the inside of the weld and continuing to pass electric current through the lips and the accumulating filling within the circumferential space while further filling said space.

2,453,062
PRODUCTION OF ALKYLENE CYANOHYDRINS
Erwin L. Carpenter, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 4, 1946, Serial No. 674,199
8 Claims. (Cl. 260—465.6)

1. A method of producing an alkylene cyanohydrin which includes the steps of reacting together an alkylene oxide and hydrocyanic acid in aqueous solution in the presence of a sterically hindered amine catalyst, simultaneously removing the amine catalyst and water, and subsequently recovering the thus formed alkylene cyanohydrin.

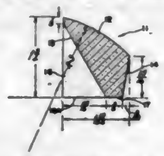
2,453,063
UNDERGARMENT
Frank A. Cohen, Brooklyn, N. Y.
Application February 15, 1946, Serial No. 647,948
1 Claim. (Cl. 2—38)



A fig leaf pantie girdle comprising a tubular form shaping and constricting portion with a deep central convex notch at the lower edge of the front of said portion and a similar notch at the lower edge of the back of said portion, a crotch element of soft material adapted to extend from the front to the back of the girdle in the form of an arch at the crotch, with the opposite edges of the element at said notches, a pair of completely separable slide fasteners to connect the mentioned edges of said elements to the edges of said notches, each of said slide fasteners including a slider and a pair of stringers, one of the stringers being attached to the crotch element and the other to the form shaping and constricting portion, the sliders being captively secured to the form shaping and constricting portion, means to cover the surfaces of each of the slide fasteners at the inside of the girdle, said last named means including two pairs of overlapping tapes, one tape of each pair being attached to the crotch element and the other tape of each pair being attached to the form shaping and constricting portion, both tapes of each pair being disposed alongside the associated slide fastener, and snap fastener means on tapes of each pair to detachably connect said tapes to one another, said snap fastener means being located adjacent the end of each slide fastener where interlocking starts.

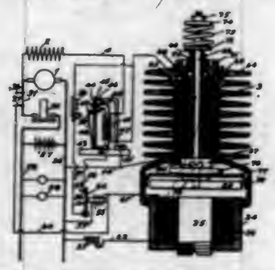
2,453,064
MAGNIFYING READING UNIT
George M. Cressaty, New York, N. Y.
Application February 5, 1945, Serial No. 576,178
6 Claims. (Cl. 88—39)

6. A reading lens comprising a supporting surface elongated from side to side, adapted to rest on a reading plane forward of the reading matter, a planar surface extending upwardly and rearwardly from the rear edge of the supporting surface for refracting light rays received from the reading matter, a second obturating surface extending upwardly from the forward edge of said supporting surface, a curved upper surface extending downwardly and forwardly between said two upwardly directed surfaces for magifying the reading matter, and triangular lugs formed



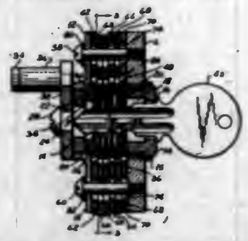
at the sides of said supporting surface in continuation thereof rearwardly over the reading matter and extending upwardly to said planar surface to prevent tilting of the lens with respect to the reading plane.

2,453,065
ELECTRIC REGULATION
John L. Creveling, near Tucson, Ariz.
Application November 15, 1944, Serial No. 563,502
22 Claims. (Cl. 322—82)



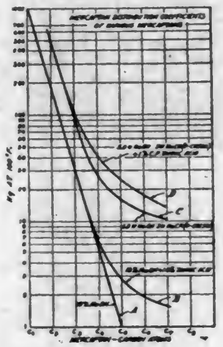
1. Regulating means including a regulating element, means tending to decrease the resistance of said element, automatic electromagnetic means having an air gap for moving said element and the resistance decreasing means a predetermined distance functionally to affect the automatic means by changing the length of the air gap without materially affecting the resistance of said element and means whereby further movement of a portion of the resistance decreasing means increases the resistance of said element.

2,453,066
CHANGEABLE KEY CYLINDER LOCK
Christian Gabrielsen, Whippany, N. J., assignor to The Rowe Manufacturing Co., Inc., Whippany, N. J., a corporation of New York
Application February 21, 1947, Serial No. 730,057
12 Claims. (Cl. 70—385)



1. A lock, including in combination a body member, a cylinder rotatably mounted in said body member, a bore formed in said cylinder extending transversely of its axis of rotation, a plurality of tumblers movably mounted in said bore, a corresponding plurality of locking plates, means for releaseably securing said locking plates to said body member, each of said locking plates being formed with an opening, said cylinder being positioned to extend through the locking plate openings, said tumblers and said plates having coacting inter-engaging portions, biasing means normally urging said coacting portions into engagement whereby to immobilize said cylinder, said tumblers being formed with key engaging means permitting a key of predetermined contour to move said tumblers against the action of said biasing means to free said coacting means whereby said cylinder may be rotated.

2,453,067
METHOD FOR REDUCING THE MERCAPTAN SULFUR CONTENT OF HYDROCARBON OILS
John Happel, Brooklyn, and Stephen P. Cauley, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 11, 1943, Serial No. 490,492
5 Claims. (Cl. 196—30)



1. That method of treating a light petroleum fraction to reduce the mercaptan sulfur content thereof comprising contacting the petroleum fraction with an aqueous alkali metal hydroxide to which there has been added a solubility promoter other than tannic acid capable of increasing the ability of the hydroxide to dissolve mercaptans, and to which there has also been added a small amount of tannic acid sufficient to further increase the mercaptan removal ability of the hydroxide more than additive and separating the oil from the mercaptan containing reagent

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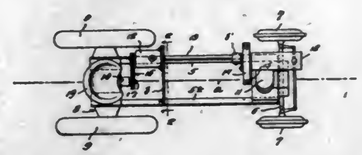
2,453,068
APPARATUS FOR DEPOSITING MATERIAL IN WELL HOLES
James D. Haynes, Kilgore, Tex., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application January 8, 1945, Serial No. 571,738
11 Claims. (Cl. 166—19)

1. A bailer for depositing a liquid in a well comprising in combination a container for the liquid, said container having a discharge port in the bottom; a piston operable in the container for expelling the liquid therefrom; a piston rod having one end attached to the piston to operate the same; latch means adapted to engage the piston rod to prevent longitudinal outward movement of the piston rod relative to the container; latch release means adapted to disengage the latch means from the piston rod; a tail pipe adapted to receive and discharge liquid from the container; and a discharge valve linked to the tail pipe and



adapted to control the flow of fluid from the cylinder to the tail pipe through said discharge port, said discharge valve being operable by longitudinal movement of the said ~~tail~~ pipe relative to the container.

2,453,069
POWER PLANT AND TRANSMISSION ARRANGEMENT FOR AGRICULTURAL TRACTORS
Herschel Hutchings, Lubbock, Tex.
Application December 9, 1946, Serial No. 714,954
1 Claim. (Cl. 180—1)



An agricultural tractor including an open frame having side rails and provided with front steering and supporting wheels, a power plant supported by the forward end of the frame centrally between said wheels and having a drive shaft located substantially at the longitudinal center of the tractor, a rear axle structure supporting the rear end of the frame and including rear drive wheels and a differential assembly having a drive shaft located substantially at the longitudinal center of the tractor, a propeller shaft assembly and a transmission assembly directly connected together and supported by and above one of said side rails to one side of said center, a gearing connecting the propeller shaft assembly with the drive shaft of said power plant, a second gearing connecting the transmission assembly with the differential assembly, a transverse supporting bracket secured on said side rails and having an upward extension at one end disposed above said one side rail and fixed to the front of said transmission assembly, and a driver's seat supported on the differential assembly between the drive wheels.

2,453,070
ORGANIC PEROXIDE COMPOSITION
Harlow G. Hyatt, Buffalo, and Edward S. Shanley, Kenmore, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.
No Drawing. Application August 23, 1944, Serial No. 550,846
10 Claims. (Cl. 260—610)

1. A solid organic peroxide desensitized against mechanical and thermal shock by addition thereto of 2 to 10% of a relatively water insoluble aliphatic fatty carboxylic acid.

2,453,071
DESENSITIZATION OF SOLID ORGANIC PEROXIDES
Harlow G. Hyatt, Buffalo, and Edward S. Shanley, Kenmore, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.
No Drawing. Application January 27, 1945, Serial No. 574,971
8 Claims. (Cl. 260—610)

1. The method of reducing the impact sensitivity of a solid organic peroxide with calcium sulfate desensitizer which comprises suspending the peroxide in a solution of a soluble calcium salt and adding thereto a soluble sulfate to form insoluble calcium sulfate which mingles with and coats the peroxide, the amount of desensitizer being very substantially less than that required to effect a like desensitizing action when milled with the peroxide.

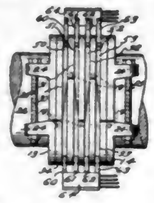
2,453,072
ADJUSTABLE ECCENTRIC
Ralph E. Johnson, Rahway, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 24, 1947, Serial No. 743,583
10 Claims. (Cl. 74—571)



1. In a sewing machine having a frame, a shaft rotatably mounted in said frame, and mechanism adapted to be actuated by said shaft; an adjustable eccentric unit comprising a plurality of eccentrically apertured cylindrical elements fitted one within the other upon said shaft, releasable means for holding said shaft and cylindrical elements in fixed angular relation, and unitary adjusting mechanism for said eccentric unit comprising motion-modifying driving linkage operatively associated with said cylindrical elements.

2,453,073
SLIP-RING STRUCTURE
Edgar J. Jones, Cambridge, Mass., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application November 13, 1945, Serial No. 628,189
10 Claims. (Cl. 173—324)

1. A split slip ring assembly comprising a plurality of segmental slip ring elements each having laterally tapered substantially planar-surfaced portions and whose peripheral surfaces within the last half of their length are bevelled radially inwardly of the ring, and the adjacent ends of said tapered portions being disposed in laterally abutting juxtaposition whereby the bevelled peripheral surfaces of said adjacent ends extend away from each other to assure smooth



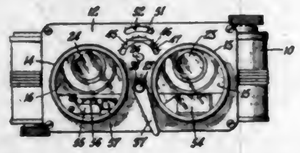
transition from one segment to the other along their periphery.

2,453,074
APRON
Marie J. Kraft, Three Oaks, Mich., assignor to The Warren Featherbone Co., Three Oaks, Mich., a corporation of Michigan
Application September 24, 1947, Serial No. 775,934
1 Claim. (Cl. 2—48)



A neckless and strapless apron comprising a lower apron portion and an upper bib and bust covering portion including a central panel and side panels secured thereto in the bust covering portion, flexible rigidifying means secured substantially at the connection between each side panel and the central panel and providing for general and relatively loose conformation with the bust of the wearer, and interconnectible attaching means substantially at the waistline of the wearer for securing the apron around the waist of the wearer.

2,453,075
STEREO CAMERA RANGE FINDER SYSTEM
Edwin H. Land, Cambridge, Albert J. Bachelder, Lexington, and Otto E. Wolff, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application November 9, 1945, Serial No. 627,744
4 Claims. (Cl. 95—18)

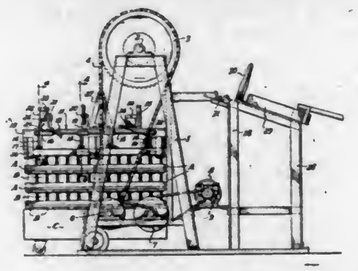


1. In a stereoscopic camera, a pair of laterally spaced similar ray deflecting and converging elements positioned in the forward part of said camera, objective lens means mounted rearwardly of said elements and optically associated therewith for the reception of stereoscopic images, said ray deflecting elements converging the axial rays traversing said lenses at a point in a forward plane, means for adjusting simultaneously and symmetrically said elements to vary the position in space of said plane of convergence, means for adjusting the focus of said lens means, range finder means including a reflector mounted rearwardly of each of said elements and adapted to receive rays from the respective said element corresponding to the convergence adjustment of said elements, and an operative connection between said two adjusting means whereby adjustment of one effects a consonant adjustment of the other for focusing in the image field of the respective images as determinable from said range finder means.

2,453,076
CRYSTALLIZATION OF DDT
Kenneth B. Little and John J. Burton, Easton, Pa., assignors to J. T. Baker Chemical Co., Phillipsburg, N. J., a corporation of New Jersey
No Drawing. Application June 25, 1947, Serial No. 757,052
2 Claims. (Cl. 260—649)

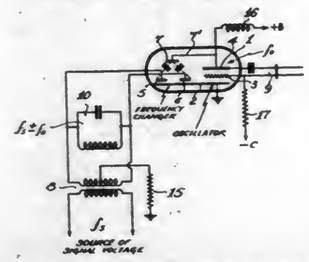
1. The process of solidifying DDT (dichlorodiphenyl trichloroethane) in hard crystalline form which includes cooling molten DDT to a temperature not above about 60° C. without solidification, whereby a supercooled liquid is obtained, and permitting the supercooled liquid to crystallize.

2,453,077
CAN DUMPING MACHINE
Robert J. Newton, Honolulu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York
Application September 14, 1945, Serial No. 616,176
10 Claims. (Cl. 214—1.1)



2. A can dumping machine, comprising: a frame structure; dumping wheels journaled at the upper part of said frame structure; flexible means rising substantially vertically and passing over said dumping wheels; an elevator suspended between and carried by said flexible means, said elevator adapted to be raised, and inverted to inclined position by movement about the axis of said dumping wheels; means under said elevator for engaging and carrying a tray loaded with a layer of cans for inversion with said elevator thereby to dispose the layer of cans below said tray; and means for releasing said tray and cans for discharge from said elevator when said elevator is inverted and inclined.

2,453,078
DEVICE FOR WAVE LENGTH TRANSFORMATION OF VERY SHORT WAVES
Klaas Posthumus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 17, 1943, Serial No. 479,468
In the Netherlands December 5, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires December 5, 1960
7 Claims. (Cl. 250—20.33)



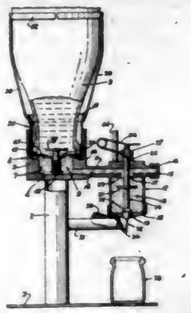
1. A frequency-changing network adapted to mix a voltage of locally generated oscillations with a signal voltage particularly for use in signalling by means of short waves, comprising a bridge connection constituted by a diode in each of two branches of the bridge connection and a capacity in each of the two remaining branches, characterized in that the voltage of locally-generated oscillations is supplied across that diagonal of the bridge across which the dissimilar branches are in series and the signal voltage is applied across the other diagonal across which the similar branches are in series.

2,453,079
PRESTRESSED SUCKER ROD
Peter F. Rossmann, Morristown, N. J.
Application August 5, 1944, Serial No. 548,291
2 Claims. (Cl. 255—28)



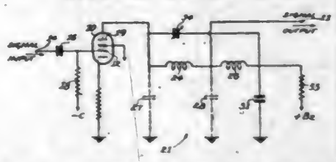
1. A sucker rod section provided at opposite ends with elements of fastening means for securing the section to other similar sections to form a complete sucker rod, said section including a pair of elongated telescoped elements permanently secured together, each element formed integrally as one piece, one constituting a solid core element defined at opposite end portions with enlarged heads and forming therebetween a shank portion integral with the heads and of less cross section than its headed end portions, said shank portion forming with the said headed end portions a pair of inwardly facing non-rotative stop shoulders, said core element in the portion thereof between the shoulders being deformed under a preimposed tension and with the headed end portion not necessarily stressed, the other element constituting a retaining sleeve deformed under compression, fitting between the shoulders with its ends in fixed bearing engagement against the shoulders and acting resiliently in a tendency to spread them apart, and the said two elements at all times reacting on each other to maintain the elements so formed into their respective compressed and tensioned stress conditions and thus each acting to resist the return of the other to its initial length before it was deformed.

2,453,080
LIQUID MEASURING AND DISPENSING APPARATUS
William A. Shimp, Minneapolis, Minn.
Application September 24, 1945, Serial No. 618,261
3 Claims. (Cl. 222—453)



1. In a liquid measuring and dispensing apparatus, an upright post having a suitable base, a bottle supporting cup fixed to the upper end of the post adapted to receive the open top of a bottle whereby a portion of the contents of the bottle may enter the cup, a tubular neck laterally extending from said cup and in communication with the lower interior portion thereof, a measuring cup secured to and depending from the outer end of said tubular neck and having an intake connecting it to the interior of said tubular neck, a removable cap secured to the lower end of the measuring cup and having a tapered valve seat therein, a valve stem movably mounted within the measuring cup and having a valve head at its lower end normally engaged with said valve seat, said valve stem having a second valve element secured thereto and normaly spaced from said intake, and means exteriorly of the measuring cup for manually actuating the valve stem to momentarily open the discharge valve and close the intake and thereby permit the contents of the measuring cup to discharge therefrom into a suitable receiving means, said valve stem returning to its normal valve seating position when released, thereby to permit the measuring cup to automatically receive another charge from the bottle.

2,453,081
WIDE BAND AMPLIFIER
George C. Szikiai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1944, Serial No. 570,295
3 Claims. (Cl. 179—171)



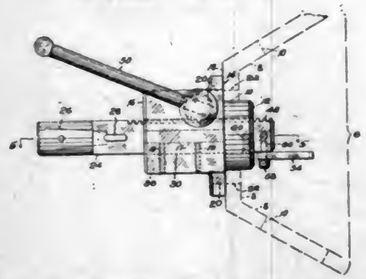
2. A video amplifier employing a bridged-T network for high frequency correction, the network comprising a pair of series inductances, shunt capacitances in said network effectively at the input and output ends of said inductances and at their mid-connection, an output connection provided across the capacitance at the mid-connection, and a capacitance bridging said inductances.

2,453,082
HOISTING APPARATUS
Pierre Jean-Marie Théodore Allard, Chantilly, France, assignor to Societe Francaise de Construction de Bennes Automatiques, Persan (Seine-et-Oise), France
Application May 15, 1945, Serial No. 593,827
In France February 4, 1944
2 Claims. (Cl. 212—93)



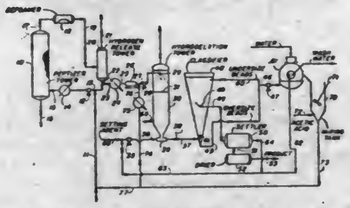
1. A hoisting device comprising a stationary structure embodying a substantially horizontal runway, a trolley movable along said runway, a grab bucket carried by said trolley, a hoisting cable connected to said bucket, guiding means for the hoisting cable on said trolley whereby said hoisting cable is adapted to draw the trolley from the dumping to the filling point, a recall cable attached to the trolley, a counterweight attached to said recall cable, means for guiding said recall cable on said stationary structure whereby the recall cable is adapted to draw the trolley from the filling to the dumping point, an abutment carried by said stationary structure for stopping the movement of said trolley under the action of said recall cable, two springs of different yielding resistances operatively connected with said abutment, the lighter spring being adapted to start the reverse movement of the trolley and means for preventing any further action of the hoisting cable when the heavier spring is compressed.

2,453,083
TOOLHOLDING ATTACHMENT FOR MACHINE TOOL TURRETS
Hercules N. Bourque, Hudson, Mass.
Application September 8, 1944, Serial No. 553,175
5 Claims. (Cl. 29—57)



1. In a tool-holding attachment for a turret of a machine tool, the combination of a guide-block having a face to be placed against a face of the turret and a boss to be fitted into an opening of the turret to locate said guide-block with reference to said turret, said guide-block having a tool-carrying slide passage extending through said boss and through the body of said guide-block, said guide-block having a chamber intersecting said passage and having a bearing coaxial with said chamber, a tool-carrying slide arranged to slide lengthwise within said passage and having at the outer end a receiving formation for the tool, said slide having gear teeth constituting a rack extending into said chamber, a shaft mounted for rotation in said bearing and having a pinion within said chamber meshing with said rack, and a handle secured to said shaft for manual rotation of the latter and consequent sliding of said slide through said boss.

2,453,084
MANUFACTURE OF BEAD-FORM CATALYST
Henry Trucheart Brown, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application May 24, 1946, Serial No. 671,975
7 Claims. (Cl. 252—259.2)



1. In a continuous process for the manufacture of inorganic oxide spheroidal particles of a desired size range having adsorbent and catalytic properties the steps which comprise (1) continuously forming a hydrosol of at least one normally solid inorganic oxide characterized by an inherent capacity to set to a hydrogel, (2) continuously introducing said hydrosol into a body of a liquid in which said hydrosol is immiscible to form a multiplicity of spheroidal particles of different sizes, (3) continuously converting said particles of hydrosol to particles of hydrogel, (4) continuously classifying the hydrogel particles of step 3 to separate undersize and oversize particles of hydrogel from hydrogel particles of the size desired, (5) continuously reconverting the undersize and oversize hydrogel particles of step 4 to hydrosol, (6) continuously recycling the hydrosol of step 5 to step 2, and (7) drying the hydrogel particles of the desired size recovered from step 4.

2,453,085
THIOPHENE-ALDEHYDE SYNTHETIC RESINS
Philip D. Caesar, Champaign, Ill., and Alexander N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application November 28, 1947, Serial No. 788,650
6 Claims. (Cl. 260—57)

1. The method of preparing synthetic products, which comprises reacting thiophene with an aldehyde selected from the group consisting of formaldehyde and paraldehyde, in a molar ratio corresponding to at least one mole of aldehyde for each mole of thiophene, in the presence of sulfuric acid in amounts of at least 0.1% based on the weight of thiophene, and of water to produce an aqueous solution of sulfuric acid of less than 80% concentration, at temperatures varying between 20° C. and 120° C., and for a period of time sufficient to effect resinification.

3. The method of preparing synthetic products, which comprises reacting a mixture of thiophene and phenol wherein the molar ratio of thiophene to phenol varies between 6:1 and 1:1, with an aldehyde selected from the group consisting of formaldehyde and paraldehyde, in a molar ratio corresponding to at least one mole of aldehyde for each mole of thiophene and at least one mole of aldehyde for each mole of phenol in said mixture, in the presence of sulfuric acid in amounts of at least 0.1% based on the weight of thiophene in said mixture, and of water to produce an aqueous solution of sulfuric acid of less than 80% concentration, at temperatures varying between 20° C. and 120° C., and for a period of time sufficient to effect resinification.

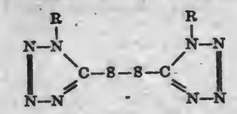
2,453,086
ALKYL THIOPHENE-ALDEHYDE SYNTHETIC RESINS
Philip D. Caesar, Champaign, Ill., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 18, 1947, Serial No. 792,620
12 Claims. (Cl. 260—57)

1. The method of preparing synthetic products, which comprises reacting an alkyl thiophene selected from the group consisting of monoalkyl thiophene, dialkyl thiophene, and trialkyl thiophene, with an aldehyde selected from the group consisting of formaldehyde and paraldehyde, in a molar ratio corresponding to at least one mole of aldehyde for each mole of alkyl thiophene, in the presence of sulfuric acid in amounts of at least 0.1% based on the weight of alkyl thiophene, and of water to produce an aqueous solution of sulfuric acid of less than 80% concentration, at temperatures varying between 20° C. and 120° C., and for a period of time sufficient to effect resinification.

4. The method of preparing synthetic products, which comprises reacting a mixture of phenol and an alkyl thiophene selected from the group consisting of monoalkyl thiophene, dialkyl thiophene, and trialkyl thiophene, wherein the molar ratio of alkyl thiophene to phenol varies between 6:1 and 1:1, with an aldehyde selected from the group consisting of formaldehyde and paraldehyde, in a molar ratio corresponding to at least one mole of aldehyde for each mole of alkyl thiophene and at least one mole of aldehyde for each mole of phenol in said mixture, in the presence of sulfuric acid in amounts of at least 0.1% based on the weight of alkyl thiophene in said mixture, and of water to produce an aqueous solution of sulfuric acid of less than 80% concentration, at temperatures varying between 20° C. and 120° C., and for a period of time sufficient to effect resinification.

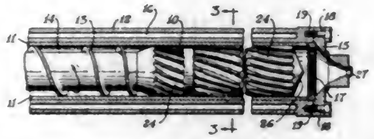
2,453,087
PHOTOGRAPHIC DEVELOPERS CONTAINING TETRAZOLYL DISULFIDES AS ANTIFOGGING AGENTS
Fritz Dersch and Robert H. Clark, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 7, 1946, Serial No. 708,474
16 Claims. (Cl. 95—88)

1. A photographic developer containing a developing agent and a fog inhibiting amount of a tetrazolyl disulfide having the general formula:



where R represents a hydrocarbon radical.

2,453,088
MIXING TORPEDO FOR PLASTICS EXTRUDERS
Frederick E. Dulmage, Saginaw, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application December 26, 1945, Serial No. 637,274
3 Claims. (Cl. 18—12)



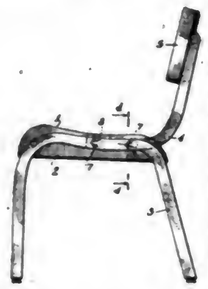
1. In an extruder, in combination with a screw for advancing plastic feed along a cylindrical barrel: a cylindrical mixing torpedo beyond the screw, coaxial and continuous therewith, rotatable within the barrel with a clearance therebetween of the order of 0.010 to 0.020 inch insufficient to admit a plastic layer which would shear under the tangential stress caused by rotation of the torpedo; a plurality of evenly spaced helically disposed grooves of constant radius running the length of said torpedo having the same hand as the said screw and a lead of from ½ to 2 times the length of the torpedo, the combined delivery capacities of the helical grooves being at least as great as the delivery capacity of the coaxial feed worm; and, at intervals along the torpedo, circumferentially disposed neck-like constrictions of a depth equal to that of the said helical grooves, being bevelled at their discharge ends from the lesser diameter of the necks to the greater diameter of the lands of the torpedo.

2,453,089
PROCESS FOR PRODUCTION OF HALOGENATED OLEFINS
Glen H. Morey and Robert F. Taylor, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application October 9, 1943, Serial No. 505,666
7 Claims. (Cl. 260—654)

1. In the halogenation of diolefins, the process which comprises intimately mixing a gaseous halogen and a gaseous conjugated diene in an unpacked reaction zone having a sufficiently large diameter to prevent appreciable contact of free halogen with the walls of said chamber, the gases being passed into said chamber in the ratio of from about 0.8 to 1.3 moles of halogen per mole of diene, the temperature within the reaction zone being maintained within a range extending from about 60° *C.* to a temperature slightly below the boiling point of the lowest boiling halogenated product produced in the process, and recovering the dihaloolefins produced in the process.

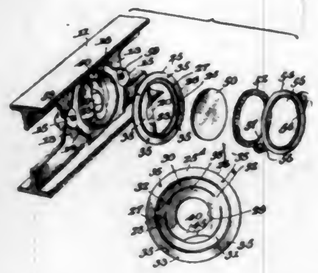
2,453,090
ARTICLE OF FURNITURE
Lurelle Guild, New York, N. Y., and Carlton G. Towne, Pittsburgh, Pa., assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application May 22, 1946, Serial No. 671,421
1 Claim. (Cl. 155—196)

An article of furniture comprising a seat having a downwardly extending flange, a back support, part of said back support extending through an aperture in said seat and into alignment with said flange, a leg having a portion thereof aligned with the said part of the back support and said



flange, and means extending through said flange for fastening together the aligned portions of said leg and said support.

2,453,091
SPIRIT LEVEL
Frank M. Holloway and William P. Holloway, Austin, Tex.
Application March 27, 1947, Serial No. 737,528
16 Claims. (Cl. 33—211)



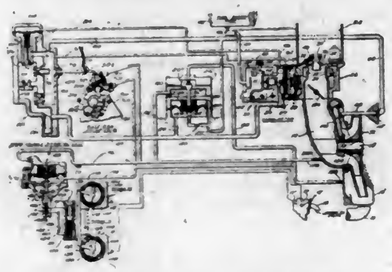
1. A level of the class described comprising in combination, a stock, means on said stock for receiving a bubble-vial and its holder, a bubble-vial, a holder for said vial comprising a substantially circular disk having medially disposed means thereon retaining said vial and substantially circular marginal portions lying against a surface of said stock, substantially annular means for covering said holder and vial and frictionally clamping said marginal portions of the holder against the stock with varying degrees of pressure, and peripheral portions on said holder disk projecting radially outwardly beyond said annular means for manipulating the disk, whereby said support may be shifted for adjustment of the vial to a proper zero position while under less than maximum pressure and may be securely held in operative position by the application of greater clamping pressure.

7. A blank for producing a bubble-vial holder for spirit levels and the like comprising a semi-rigid disk, having a continuous annular rim portion, a pair of arcuate slits inwardly of the rim portion, the two slits together forming a complete circle but for short gaps of uncut metal at the ends of the slits, and a substantially circular hole in the center of the disk.

2,453,092
METHOD OF POLYMERIZING ORGANOSILOXANES
James Franklin Hyde and Oscar Kenneth Johannson, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application August 5, 1947, Serial No. 766,460
8 Claims. (Cl. 260—448.2)

1. The method of polymerizing cyclic diorganosiloxane to higher molecular weight polymers which comprises reacting at least one cyclic diorganosiloxane selected from the group consisting of dialkylsiloxanes and alkylarylsiloxanes with an alkali metal salt of a triorgano silanol until polymerization of the cyclic siloxane is effected.

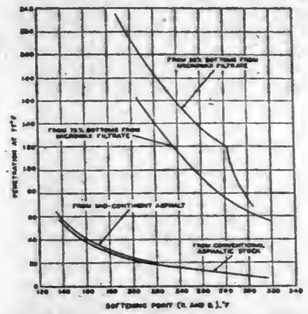
2,453,093
FUEL AND IGNITION CONTROL
Harold T. Jarvis, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 25, 1945, Serial No. 601,438
16 Claims. (Cl. 123—117)



1. In an aircraft engine, a carburetor having metering means including a supplemental fuel jet for establishing predetermined normal fuel-air ratios, means for controlling the flow of fuel through said supplemental jet to decrease said normal fuel-air ratios, fluid pressure responsive means for actuating said controlling means to fully open said supplemental jet at a predetermined point within the intermediate portion of the engine power output range, and an engine control device actuated by said fluid pressure responsive means.

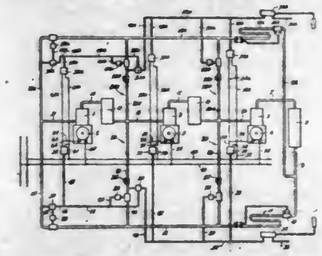
2,453,094
OXIDIZED ASPHALT PRODUCT AND METHOD OF MAKING SAME
Robert B. Killingsworth, Douglaston, Harry T. Van Horn, Kew Gardens, and Wallace E. Spelshouse, Roslyn Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application December 18, 1945, Serial No. 635,758
2 Claims. (Cl. 196—74)

1. That method of making an asphalt of softening-point-penetration-temperature index of 0.0075 or less which comprises: subjecting a petroleum fraction containing microcrystalline wax to separation of oil and wax to produce therefrom a crude petrolatum, separating the crude petrolatum into microcrystalline wax and an oily fraction by treating with a selective solvent for said oily fraction, and recovering the oily fraction from said separation, removing the lower boiling fractions of said oily material by distillation, and blowing the distillation residue to pro-



duce therefrom by oxidation an asphaltic material of at least 130–140 soft point grade.

2,453,095
PLURAL STAGE REFRIGERATION SYSTEM AND CONTROL THEREFOR
William L. McGrath, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 19, 1943, Serial No. 495,246
20 Claims. (Cl. 62—115)

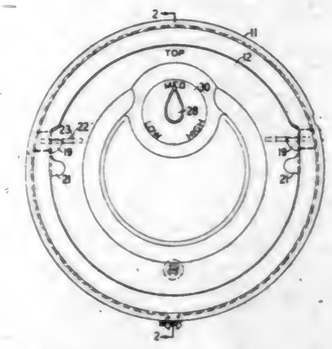


1. In a refrigeration system, first and second compressors, means connecting the discharge means of the first compressor with the suction means of the second, conduit means connecting the discharge means of the second compressor to a condenser, expansion valve and an evaporator, main suction means connecting the outlet of the evaporator to the suction means of the first compressor; by-pass means including a throttling valve connected between the main suction means and the means connecting the discharge means of the first compressor and the suction of the second compressor; control means for starting the second compressor, upon an initial demand for refrigeration, and for opening said throttling valve increasingly as the demand upon the second compressor increases, said control means starting said first compressor when the load demand exceeds the capacity of the second compressor, and means restricting return flow through said by-pass means toward said main suction means.

2,453,096
DRAFT REGULATOR
John W. Miller and Basil D. Figg, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application July 2, 1945, Serial No. 602,882
4 Claims. (Cl. 236—45)

2. A draft regulator comprising a one piece annular frame having a circumferentially continu-

ous substantially plane portion provided with a central opening, said plane portion having a pair of axially inwardly extending depressions therein offset radially from the center of said frame, the radially inner sides of said depressions being defined by axially outwardly extending shoulders, said shoulders having aligned openings therein,



a damper blade substantially filling said opening, pivot shaft means attached to said damper blade and received in the openings in said shoulders for pivotally mounting said damper blade in said frame, and stop means integral with said frame for limiting the pivotal movement of said blade in both directions from said plane portion.

2,453,097

SOLUTION CONSISTING OF A POLYMERIC N-VINYL PYRROLE COMPOUND AND CHLOROFORM

Michael T. Orinik, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 8, 1945, Serial No. 627,529
4 Claims. (Cl. 260—33.8)

1. A solution, which upon being cast, yields foils and films of polymeric N-vinyl pyrrole compounds of improved stripping properties consisting of 3 to 8 parts by weight of a polymeric N-vinyl pyrrole compound in 135 to 145 parts by weight of chloroform.

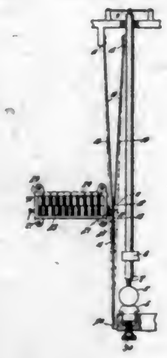
2,453,098

SYSTEM FOR TRANSMITTING MOTION FROM A MOVABLE MEASURING ELEMENT TO A MOVABLE INFORMING ELEMENT

Walter P. Powers, Spring Lake, N. J., assignor to Associated Patentees, Inc., Ampere, N. J., a corporation of New Jersey

Original application February 24, 1943, Serial No. 476,987. Divided and this application March 15, 1945, Serial No. 582,830
7 Claims. (Cl. 33—147)

1. An instrument of the character disclosed, comprising convergently related lengths of flexible strip, connected together at their convergent ends and supported at their separated ends, means connected with said convergent connected ends and applying longitudinal tension to said lengths of strip, sensing means connected to impart longitudinal movement to at least one of said longitudinally tensioned lengths of strip and thereby to create lateral displacement of the tensioned convergent connected ends of said lengths of strip and a movable informing element operable by



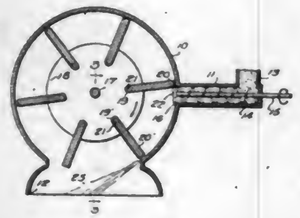
the lateral displacement of said tensioned convergent connected ends of the strip.

2,453,099

TREATMENT OF CALCIUM SULFITE

Harold R. Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts

Application October 4, 1943, Serial No. 504,921
14 Claims. (Cl. 23—129)



1. In the treatment of calcium sulphite, the method of modifying said calcium sulphite to effect an improvement in at least one of the properties of adhesive requirement, oil absorption and gloss-imparting quality of said calcium sulphite, which comprises directing said calcium sulphite in association with water into the path of travel of a percussive member of a rotor element, subjecting said calcium sulphite to a percussion from said percussive member, said percussive member having a velocity of not less than 30 feet per second at the point of said percussion, said rotor element at the time of subjecting said calcium sulphite to the action of said percussive member being free from contact with said calcium sulphite except in respect to said percussive member, said calcium sulphite being free for movement upon, and at the point of, said percussion, said calcium sulphite being propelled by said percussive member away from and out of the path of travel of said percussive member.

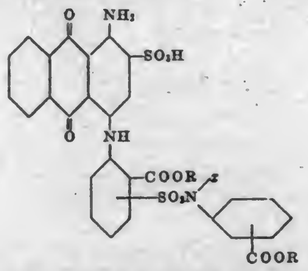
2,453,100

CARBALKOXY AMINOANTHRAQUINONE SULFONAMIDES

Edgar E. Renfrew, Jr., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 21, 1946, Serial No. 678,357
3 Claims. (Cl. 260—372)

1. An aminoanthraquinone compound of the general formula:



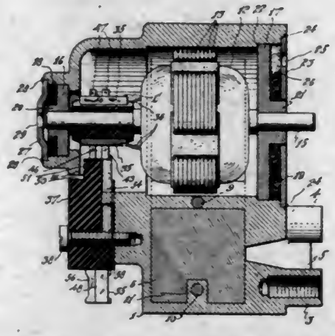
wherein R represents the same lower alkyl radical and x represents a radical selected from the group consisting of hydrogen and lower alkyl.

2,453,101

MINIATURE PERMANENT MAGNET MOTOR

Fred R. Schulz, Scotch Plains, N. J., assignor to Essell Corporation, Newark, N. J., a corporation of New Jersey; Bernard Verney, trustee in bankruptcy of said Essell Corporation

Application September 20, 1947, Serial No. 775,339
10 Claims. (Cl. 172—36)



1. An electric motor including a moulded frame housing carrying a magnetic field unit composed of a permanent magnet having upwardly extending pole pieces arcuately formed to operatively cooperate with a rotor structure, bearings capable of picking up lubricant positioned in opposite end of the frame, each bearing having outwardly extending centrally located hubs, washers capable of carrying a supply of lubricant and passing it to said bearings located around said hubs, circular discs for closing the bearing ends of the frame adjacent said washers, a rotor having a shaft extending between said bearings and outside the frame at one end, said shaft carrying an armature located between said arcuately formed pole pieces, a commutator for the armature carried by the shaft on the end opposite the extending end, and means for passing current to said commutator.

2,453,102

3,4-DIHYDROXYTHIOPHENE-2,5-DICARBOXYLIC ACID PRODUCTION

Stockton Graeme Turnbull, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 25, 1944, Serial No. 523,914
2 Claims. (Cl. 260—329)

1. A process for producing 3,4-dihydroxythiophene-2,5-dicarboxylic acid, which comprises fusing 3,4-dihydroxy-2,5-dicarbethoxythiophene with sodium hydroxide in sodium acetate at temperatures between about 90° and about 120° C.

2,453,103

DECARBOXYLATION OF 3,4-DIHYDROXY-2,5-DICARBOXYTHIOPHENE

Stockton Graeme Turnbull, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 25, 1944, Serial No. 523,915
2 Claims. (Cl. 260—329)

2. A process which comprises reacting 3,4-dihydroxy-2,5-dicarboxythiophene with an anhydrous heterocyclic amine selected from the group consisting of pyridine and quinoline.

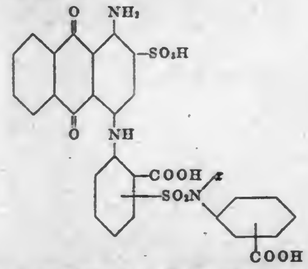
2,453,104

AMINOANTHRAQUINONE SULFONAMIDES

Curt G. Vogt, Union, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 21, 1946, Serial No. 678,356
3 Claims. (Cl. 260—372)

1. An aminoanthraquinone compound of the general formula:



wherein x represents a radical selected from the group consisting of hydrogen and lower alkyl.

2,453,105

PREPARATION OF HYDROXY AROMATIC CARBOXYLIC ACIDS

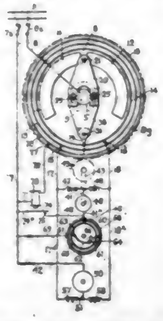
Enno Wolthuis, Cranford, and Henry M. Shafer, Westfield, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 15, 1945, Serial No. 628,986
14 Claims. (Cl. 260—315)

14. A process of preparing a 2,3-hydroxy aromatic carboxylic acid from a phenol which by carboxylation yields a mixture of the isomeric 2,1- and 2,3-hydroxy aromatic carboxylic acids which comprises carboxylating the phenol by subjecting it as the potassium phenolate suspended

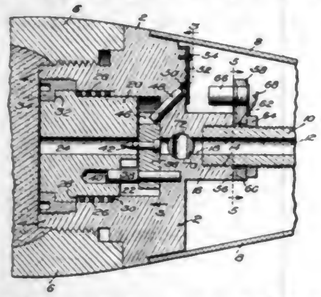
in a halogenated benzene to reaction with carbon dioxide, removing the halogenated benzene from the reaction mixture by steam distillation leaving an aqueous mixture of the potassium salts of the isomeric 2,1- and 2,3-hydroxy aromatic carboxylic acids and separating therefrom the potassium salt of the 2,3-hydroxy aromatic carboxylic acid by salting out with potassium carbonate.

2,453,106
REMOTE-CONTROL APPARATUS WITH ADJUSTABLE GAP
Michel N. Yardeny and Robert Bernas, New York, N. Y.; said Bernas assignor to said Yardeny
Application August 22, 1945, Serial No. 612,042
7 Claims. (Cl. 200—11)



1. A control device comprising a pair of electrically conducting segments separated by a gap having a varying width; a spindle rotatively supported in a fixed relation to the segments and concentrically therewith; a contact arm slidably engaging the segments; a means to support the proximal end of the contact arm on the spindle; and a means to vary the radial length of the contact arm for causing the contact arm to engage the gap at a point of selected width.

2,453,107
FUSE
John C. Gillette, Washington, D. C., and Braxton H. Tabb, Jr., Arlington, Va.
Application September 1, 1944, Serial No. 552,352
5 Claims. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

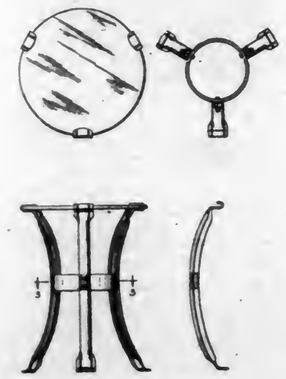


1. In a fuze for attachment to a shell containing an explosive charge, a delay arming mechanism comprising a body, a plunger mounted in said body and adapted for forward movement upon impact of said shell with a target, a rotor mounted on said body and carrying a firing pin, said rotor being proportioned and pivoted so as to be operable by centrifugal force and having a normal unarmed position blocking said plunger against movement, said rotor having an alternate armed position with the firing pin spaced before the plunger, a detonator assembly mounted in the plunger aligned with the armed position of the firing pin, means responsive to the movement of said shell upon being fired from a gun to unlock the rotor and to permit the rotor, under influence of centrifugal force, to move to armed position with its firing pin in axial alignment with said detonator assembly to function said assembly upon the forward movement of said plunger.

DESIGNS

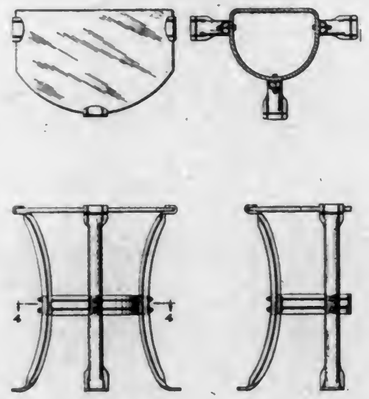
NOVEMBER 2, 1948

151,578
DESIGN FOR AN OCCASIONAL TABLE
Lewis Appell and Nathaniel Appell, New York, N. Y.
Application March 30, 1946, Serial No. 128,105
Term of patent 3½ years
(Cl. D33—14)



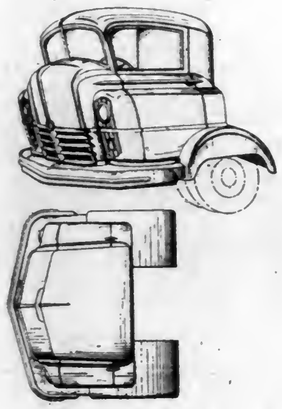
The ornamental design for an occasional table, substantially as shown.

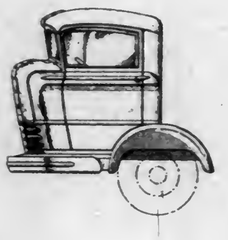
151,579
DESIGN FOR AN OCCASIONAL TABLE
Lewis Appell and Nathaniel Appell, New York, N. Y.
Application March 30, 1946, Serial No. 128,106
Term of patent 3½ years
(Cl. D33—14)



The ornamental design for an occasional table, substantially as shown.

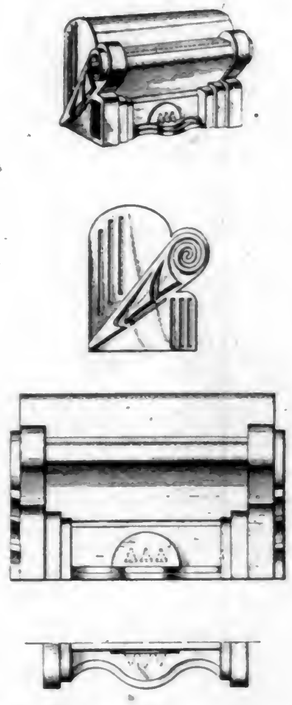
151,580
DESIGN FOR A MOTOR VEHICLE CAB
Charles S. Ash, Milford, Mich.
Application December 29, 1945, Serial No. 125,197
Term of patent 7 years
(Cl. D14—3)





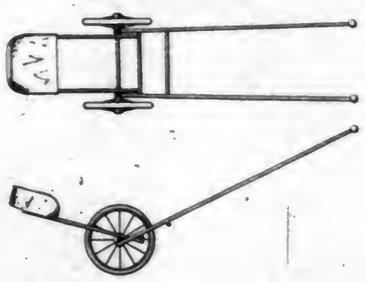
The ornamental design for a motor vehicle cab, as shown and described.

151,581
DESIGN FOR A CASING FOR A PIANO OR SIMILAR ARTICLE
Jack Barofsky, Los Angeles, Calif.
Application January 28, 1947, Serial No. 136,465
Term of patent 14 years
(Cl. D56—9)



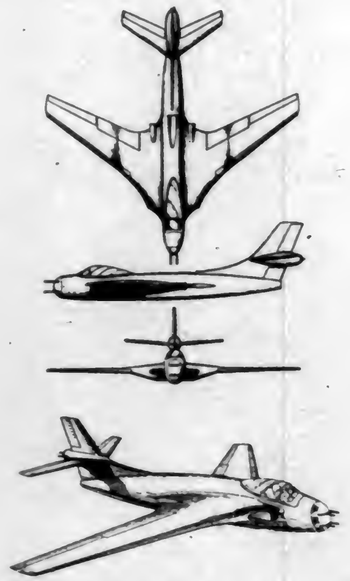
The ornamental design for a casing for a piano or similar article, as shown and described.

151,582
DESIGN FOR A CHILD'S CART
Jesse H. Bates, Wauwatosa, Wis.
Application August 7, 1946, Serial No. 132,347
Term of patent 7 years
(Cl. D34—15)



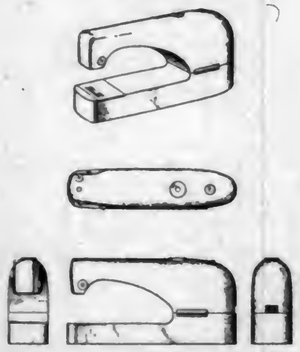
The ornamental design for a child's cart, substantially as shown.

151,583
DESIGN FOR AN AIRPLANE
Derwood A. Beck, Seville, Ohio, assignor to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application October 8, 1946, Serial No. 133,829
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown.

151,584
DESIGN FOR A HEAD FOR A PORTABLE SEWING MACHINE
Sidney R. Bell, Stamford, Conn., assignor, by direct and mesne assignments, to Irving J. Moritt, Brooklyn, N. Y.
Application May 25, 1948, Serial No. 146,569
Term of patent 14 years
(Cl. D70—1)



The ornamental design for a head for a portable sewing machine, substantially as shown.

151,585
DESIGN FOR A PIANO
Louis Bromberg, Rockaway Park, N. Y.
Application March 17, 1947, Serial No. 137,691
Term of patent 14 years
(Cl. D56—9)

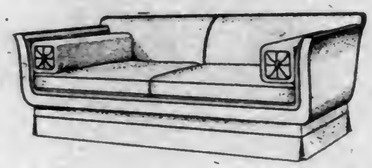


The ornamental design for a piano, as shown and described.

151,586
DESIGN FOR A TABLE
Anthony J. Buckner, New York, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application April 30, 1947, Serial No. 138,704
Term of patent 7 years
(Cl. D33—14)

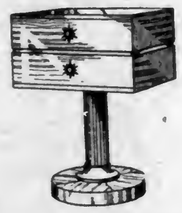
The ornamental design for a table, substantially as shown and described.

151,587
DESIGN FOR A SOFA
Anthony J. Buckner, New York, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application April 30, 1947, Serial No. 138,705
Term of patent 7 years
(Cl. D15—11)



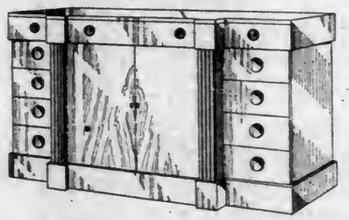
The ornamental design for a sofa, substantially as shown and described.

151,588
DESIGN FOR A NIGHT TABLE
Anthony J. Buckner, New York, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application April 30, 1947, Serial No. 138,706
Term of patent 7 years
(Cl. D33—14)



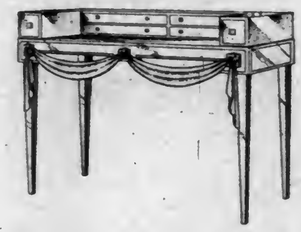
The ornamental design for a night table, substantially as shown and described.

151,589
DESIGN FOR A DRESSER
Anthony J. Buckner, New York, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application April 30, 1947, Serial No. 138,707
Term of patent 7 years
(Cl. D33—6)



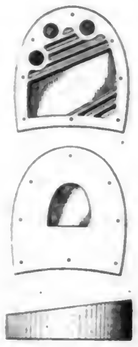
The ornamental design for a dresser, substantially as shown and described.

151,590
DESIGN FOR A DRESSING TABLE
Anthony J. Buckner, New York, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application April 30, 1947, Serial No. 138,708
Term of patent 7 years
(Cl. D33—6)



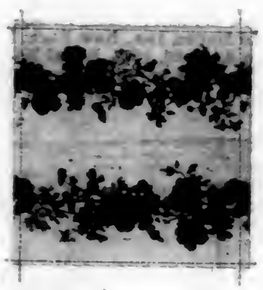
The ornamental design for a dressing table, substantially as shown and described.

151,591
DESIGN FOR A SHOE HEEL
Robert D. Bunn and Bernard L. Hayes, Asheville, N. C.
Application February 11, 1948, Serial No. 144,398
Term of patent 14 years
(Cl. D7—5)



The ornamental design for a shoe heel, as shown.

151,592
DESIGN FOR A WALLPAPER OR THE LIKE
William Burton, River Forest, Ill., assignor to United Wallpaper, Inc., Chicago, Ill., a corporation of Delaware
Application November 28, 1947, Serial No. 142,867
Term of patent 3½ years
(Cl. D59—10)



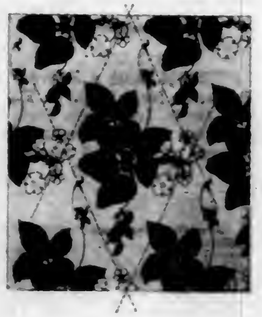
The ornamental design for a wallpaper or the like, substantially as shown and described.

151,593
DESIGN FOR A WALLPAPER OR THE LIKE
William Burton, River Forest, Ill., assignor to United Wallpaper, Inc., Chicago, Ill., a corporation of Delaware
Application November 28, 1947, Serial No. 142,868
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for a wallpaper or the like, substantially as shown and described.

151,594
DESIGN FOR A WALLPAPER OR THE LIKE
William Burton, River Forest, Ill., assignor to United Wallpaper, Inc., Chicago, Ill., a corporation of Delaware
Application November 28, 1947, Serial No. 142,869
Term of patent 3½ years
(Cl. D59—10)



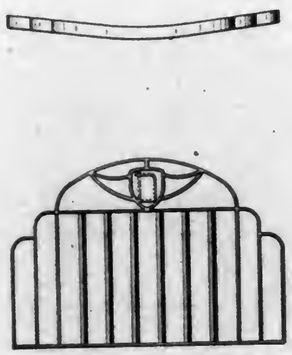
The ornamental design for a wallpaper or the like, substatially as shown and described.

151,595
DESIGN FOR A WALLPAPER OR THE LIKE
William Burton, River Forest, Ill., assignor to United Wallpaper, Inc., Chicago, Ill., a corporation of Delaware
Application November 28, 1947, Serial No. 142,870
Term of patent 3½ years
(Cl. D59—10)



The ornamental design for a wallpaper or the like, substantially as shown and described.

151,596
DESIGN FOR AN AUTOMOBILE RADIATOR GUARD
Leopold Bustin, Mamaroneck, N. Y.
Application October 1, 1946, Serial No. 133,686
Term of patent 3½ years
(Cl. D14—6)



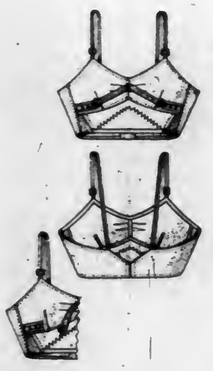
The ornamental design for an automobile radiator guard, substantially as shown.

151,597
DESIGN FOR A CLIP FOR MIRRORS OR GLASS PANELS
Earle W. Clark, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application May 16, 1947, Serial No. 139,078
Term of patent 14 years
(Cl. D54—9)



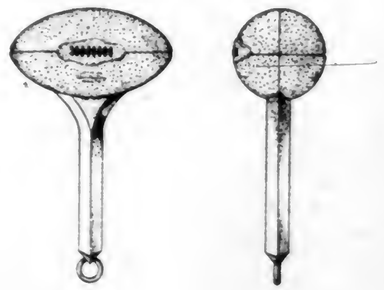
The ornamental design for a clip for mirrors or glass panels, as shown and described.

151,598
DESIGN FOR AN ADJUSTABLE BRASSIÈRE
Julius Cohn, New York, N. Y.
Application November 25, 1947, Serial No. 142,796
Term of patent 7 years
(Cl. D20—4)



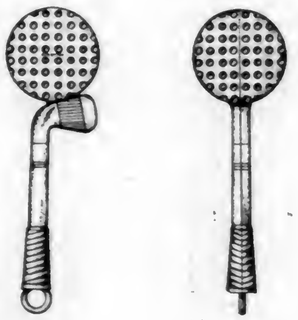
The ornamental design for an adjustable brassière, substantially as shown and described.

151,599
DESIGN FOR A TOY RATTLE OR SIMILAR ARTICLE
Jack Colm, New York, N. Y.
Application July 14, 1948, Serial No. 147,562
Term of patent 7 years
(Cl. D34—15)



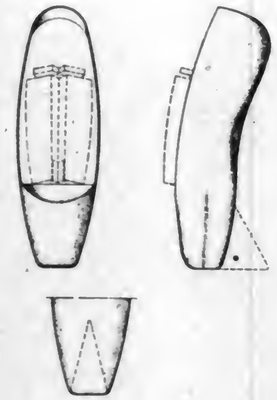
The ornamental design for a toy rattle or similar article, substantially as shown.

151,600
DESIGN FOR A TOY RATTLE OR SIMILAR ARTICLE
Jack Colm, New York, N. Y.
Application July 14, 1948, Serial No. 147,563
Term of patent 7 years
(Cl. D34—15)



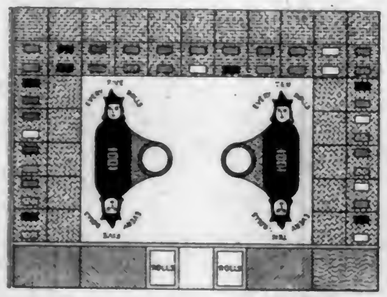
The ornamental design for a toy rattle or similar article, substantially as shown.

151,601
DESIGN FOR A PERFUME BOTTLE HOLDER OR SIMILAR ARTICLE
Leon Cotnareanu, New York, N. Y., assignor to Coty, Inc., a corporation of Delaware
Application July 8, 1946, Serial No. 131,360
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a perfume bottle holder or similar article, substantially as shown and described.

151,602
DESIGN FOR A GAME BOARD
Carl V. De Mattio, Rockford, Ill.
Application January 9, 1947, Serial No. 136,016
Term of patent 14 years
(Cl. D34—5)



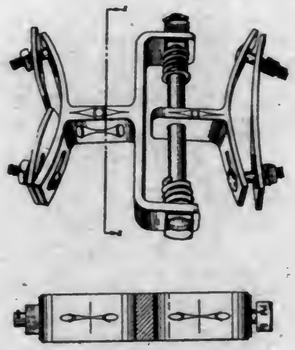
The ornamental design for a game board, substantially as shown and described.

151,603
DESIGN FOR A BRACELET
Eugene Demmler, Providence, R. I., assignor to Carl-Art, Inc., a corporation of Rhode Island
Application January 14, 1948, Serial No. 143,730
Term of patent 7 years
(Cl. D45—4)



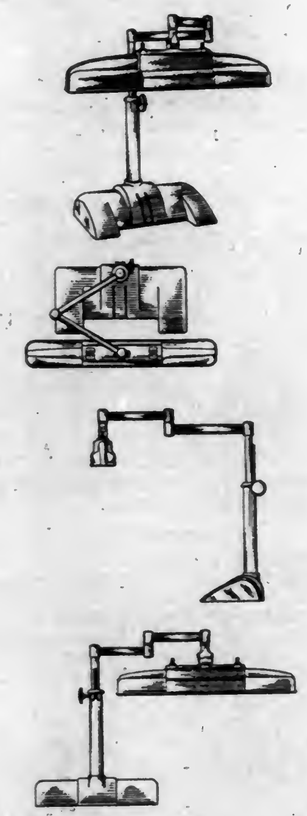
The ornamental design for a bracelet, substantially as shown and described.

151,604
DESIGN FOR A COUPLER FOR TOWING VEHICLES
Alfred Denney, Los Angeles, Calif.
Application July 22, 1947, Serial No. 140,449
Term of patent 14 years
(Cl. D14—23)



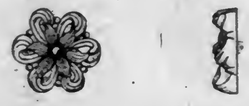
The ornamental design for a coupler for towing vehicles, substantially as shown.

151,605
DESIGN FOR A DESK LAMP
Tom Dolan, Berwyn, Ill., assignor to Standard Business Machines Company, Chicago, Ill., a corporation of Illinois
Application January 15, 1947, Serial No. 136,155
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a desk lamp, as shown and described.

151,606
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application July 10, 1947, Serial No. 140,191
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

151,607
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application July 10, 1947, Serial No. 140,192
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

151,608
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application July 10, 1947, Serial No. 140,193
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

151,609
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application July 10, 1947, Serial No. 140,194
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

151,610
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application October 16, 1947, Serial No. 141,950
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

151,611
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application October 16, 1947, Serial No. 141,951
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

151,612
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application October 21, 1947, Serial No. 142,047
Term of patent 3½ years
(Cl. D17—2)

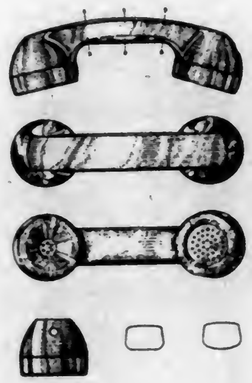
The ornamental design for a button or similar article, substantially as shown.

151,613
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application November 28, 1947, Serial No. 142,837
Term of patent 3½ years
(Cl. D17—2)



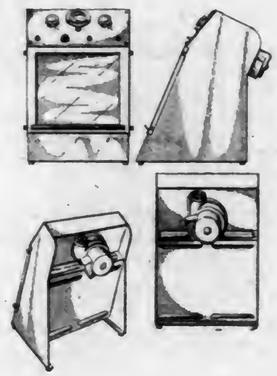
The ornamental design for a button or similar article, substantially as shown.

151,614
DESIGN FOR A HAND TELEPHONE
Henry Dreyfuss, Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 24, 1947, Serial No. 139,889
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a hand telephone, as shown.

151,615
DESIGN FOR A PHOTOGRAPHIC COLOR-TRANSPARENCY ANALYSIS MACHINE
Iredell Eachus, Wayne, Pa., and Norman Macbeth, Jr., New York, N. Y.
Application February 26, 1948, Serial No. 144,754
Term of patent 7 years
(Cl. D61—1)



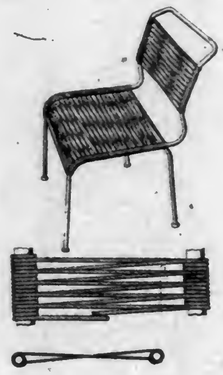
The ornamental design for a photographic color-transparency analysis machine, substantially as shown.

151,616
DESIGN FOR A PIN OR SIMILAR ARTICLE
Aaron Elkonin, Brooklyn, N. Y.
Application June 24, 1948, Serial No. 147,166
Term of patent 14 years
(Cl. D45—19)



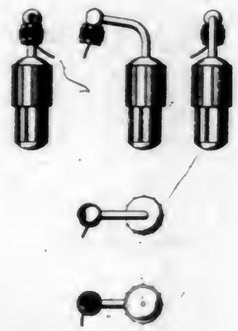
The ornamental design for a pin or similar article, substantially as shown.

151,617
DESIGN FOR A CHAIR OR THE LIKE
Roger Féraud, Neuilly-sur-Seine, France
Application February 27, 1946, Serial No. 126,967
Term of patent 7 years
(Cl. D15—1)



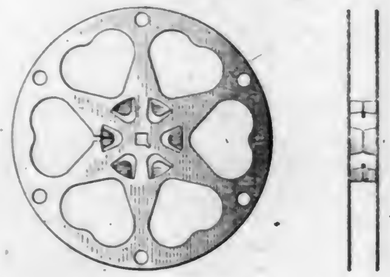
The ornamental design for a chair or the like, as shown and described.

151,618
DESIGN FOR AN ATOMIZER SPRAY ATTACHMENT FOR A CONTAINER
Samuel Gimelli, Bern, Switzerland, assignor to Drugs Limited, London N., England
Application December 9, 1946, Serial No. 135,349
In Great Britain June 12, 1946
Term of patent 14 years
(Cl. D83—1)



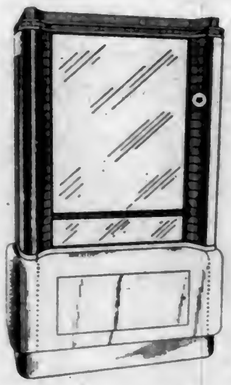
The ornamental design for an atomizer spray attachment for a container, as shown.

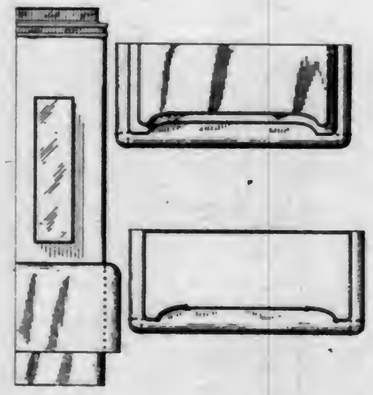
151,619
DESIGN FOR A FILM REEL
Jack M. Goldmann, New York, N. Y., assignor to Amereel Corporation, New York, N. Y., a corporation of New York
Application April 3, 1947, Serial No. 138,131
Term of patent 3½ years
(Cl. D61—1)



The ornamental design for a film reel, substantially as shown and described.

151,620
DESIGN FOR A MUSIC CABINET
Stanley F. Grabowski, San Mateo, and Joseph M. Sawaya, San Anselmo, Calif.
Application April 25, 1947, Serial No. 138,617
Term of patent 3½ years
(Cl. D56—4)





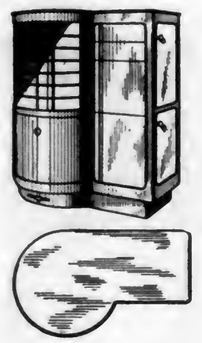
The ornamental design for a music cabinet, as shown.

151,621
DESIGN FOR A COMBINED NUTCRACKER AND TRAY
Irwin W. Green, Bell Gardens, Calif.
Application March 26, 1946, Serial No. 127,950
Term of patent 3½ years
(Cl. D44—1)



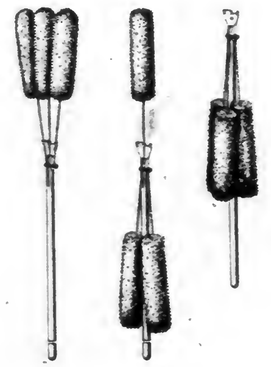
The ornamental design for a combined nutcracker and tray, substantially as shown and described.

151,622
DESIGN FOR A CHEST FOR STORING AND DISPLAYING SURGICAL INSTRUMENTS
André Haller, Zurich, Switzerland
Application February 4, 1947, Serial No. 136,671
In Switzerland January 18, 1944
Section 1, Public Law 690, August 8, 1946
Term of patent 14 years
(Cl. D33—19)



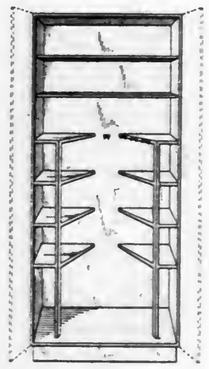
The ornamental design for chest for storing and displaying surgical instruments, substantially as shown.

151,623
DESIGN FOR A HOUSEHOLD DUSTER
David Heller, New York, N. Y.
Application December 10, 1946, Serial No. 135,383
Term of patent 14 years
(Cl. D9—2)



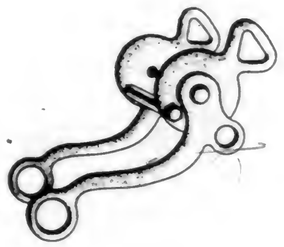
The ornamental design for a household duster, substantially as shown.

151,624
DESIGN FOR A UTILITY CABINET
Roy C. Ingersoll, Winnetka, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 20, 1947, Serial No. 137,036
Term of patent 7 years
(Cl. D33—19)



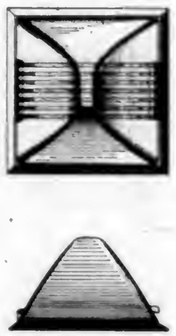
The ornamental design for a utility cabinet, as shown and described.

151,625
DESIGN FOR A BRIDLE BIT
Pascal M. Kelly, El Paso, Tex.
Application May 7, 1947, Serial No. 138,864
Term of patent 7 years
(Cl. D38—2)



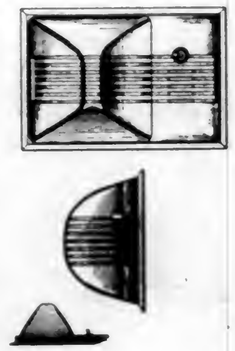
The ornamental design for a bridle bit, as shown and described.

151,626
DESIGN FOR A HOSPITAL PATIENT'S CALL LIGHT
George H. Kress, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 30, 1946, Serial No. 132,115
Term of patent 14 years
(Cl. D72—1)



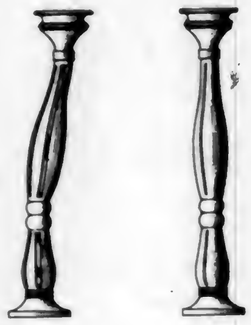
The ornamental design for a hospital patient's call light, substantially as shown and described.

151,627
DESIGN FOR A COMBINED PILOT AND BUZZER STATION
George H. Kress, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 30, 1946, Serial No. 132,116
Term of patent 14 years
(Cl. D72—1)



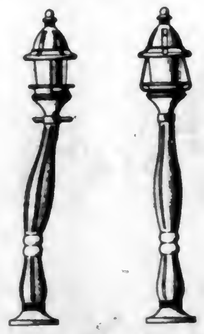
The ornamental design for a combined pilot and buzzer station, as shown and described.

151,628
DESIGN FOR A LAMPPOST
Eddy Lamb and Clair D. Freeman, Los Angeles, Calif.
Application January 3, 1947, Serial No. 135,933
Term of patent 7 years
(Cl. D48—31)



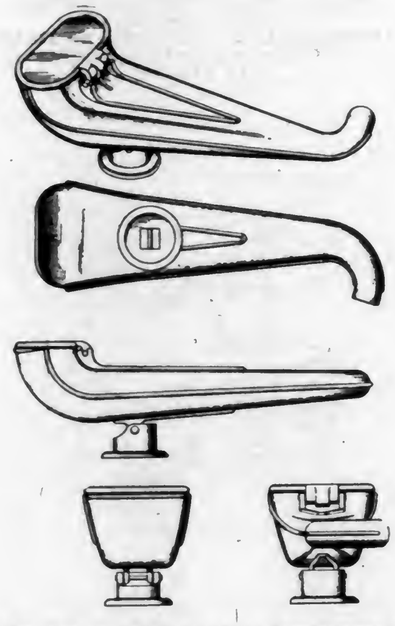
The ornamental design for a lamppost, substantially as shown.

151,629
DESIGN FOR A COMBINED LAMPPOST AND LAMP
Eddy Lamb and Clair D. Freeman, Los Angeles, Calif.
Application January 3, 1947, Serial No. 135,934
Term of patent 7 years
(Cl. D48—31)



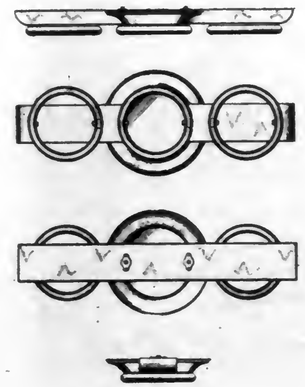
The ornamental design for a combined lamppost and lamp substantially as shown.

151,630
DESIGN FOR A PHONOGRAPH TONE ARM
Charles A. Geib, Chicago, Ill., assignor to The Norwood Company, Chicago, Ill., a corporation of Illinois
Application September 13, 1947, Serial No. 141,378
Term of patent 14 years
(Cl. D26—14)



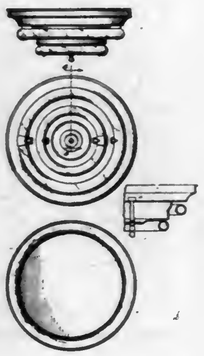
The ornamental design for a phonograph tone arm, substantially as shown.

151,631
DESIGN FOR A MULTIPLE FLUORESCENT LIGHTING UNIT
George Gomberg, Chicago, Ill.
Application August 2, 1947, Serial No. 140,681
Term of patent 3½ years
(Cl. D48—23)



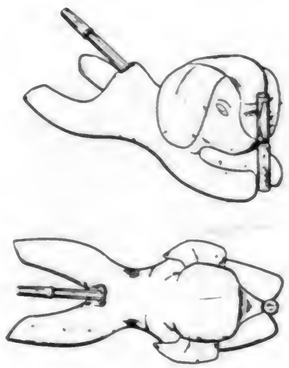
The ornamental design for a multiple fluorescent lighting unit, substantially as shown.

151,632
DESIGN FOR A FLUORESCENT LIGHTING UNIT
George Gomberg, Chicago, Ill.
Application August 2, 1947, Serial No. 140,682
Term of patent 3½ years
(Cl. D48—23)



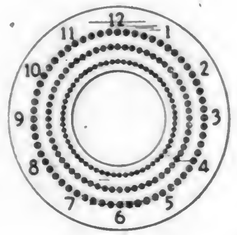
The ornamental design for a fluorescent lighting unit, substantially as shown.

151,633
DESIGN FOR A THERMOMETER CASING AND MINUTE GLASS UNIT
Michael Grabol, New York, N. Y.
Application October 8, 1947, Serial No. 141,805
Term of patent 3½ years
(Cl. D83—1)



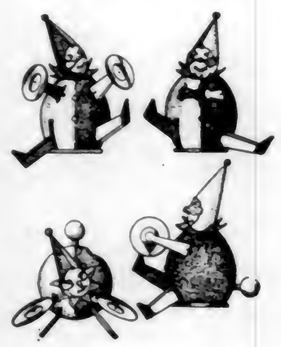
The ornamental design for a thermometer casing and minute glass unit, substantially as shown and described.

151,634
DESIGN FOR A CLOCK DIAL OR SIMILAR ARTICLE
Jay Hanna, New York, N. Y.
Application December 9, 1947, Serial No. 143,069
Term of patent 3½ years
(Cl. D42—10)



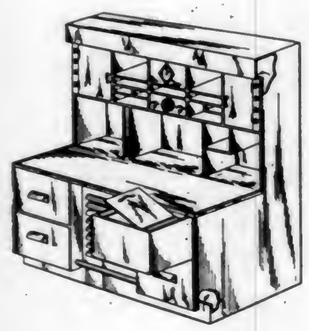
The ornamental design for a clock dial or similar article, substantially as shown and described.

151,635
DESIGN FOR A TOY CLOWN
Gotthilf Lehmann, New York, N. Y.
Application January 17, 1947, Serial No. 136,198
Term of patent 14 years
(Cl. D34—15)



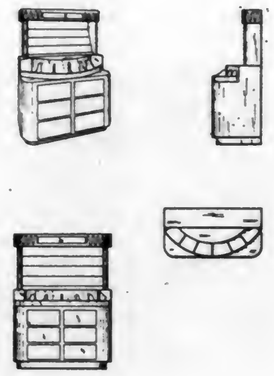
The ornamental design for a toy clown, as shown.

151,636
DESIGN FOR A KITCHEN CABINET
Nena Lewis, Campbell, Ohio
Application April 2, 1947, Serial No. 138,109
Term of patent 14 years
(Cl. D33—19)



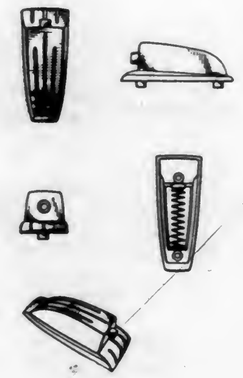
The ornamental design for a kitchen cabinet, as shown.

151,637
DESIGN FOR A DISPLAY CABINET FOR GREETING CARDS
Henry J. Loosley, St. Louis, Mo.
Application June 14, 1947, Serial No. 139,690
Term of patent 14 years
(Cl. D80—11)



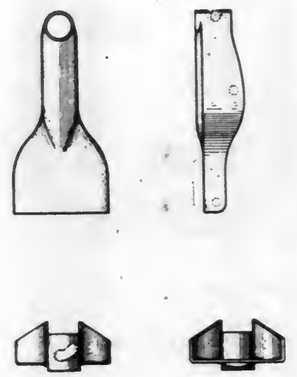
The ornamental design for a display cabinet for greeting cards, as shown.

151,638
DESIGN FOR A DRUMHEAD TENSIONING LUG FOR DRUMS
William F. Ludwig, Chicago, Ill.
Application May 16, 1947, Serial No. 139,073
Term of patent 3½ years
(Cl. D56—1)



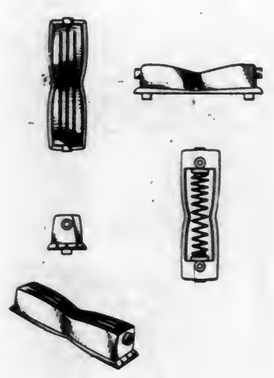
The ornamental design for a drumhead tensioning lug for drums, as shown.

151,639
DESIGN FOR A LEVER OF A DRUM SNARE TENSIONING MECHANISM
William F. Ludwig, Chicago, Ill.
Application May 16, 1947, Serial No. 139,074
Term of patent 3½ years
(Cl. D56—1)



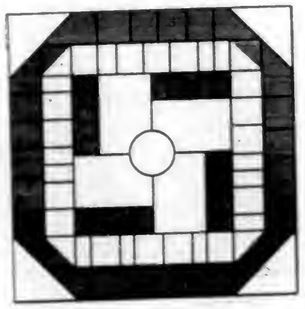
The ornamental design for a lever of a drum snare tensioning mechanism, as shown.

151,640
DESIGN FOR A TWIN DRUMHEAD TENSIONING LUG FOR DRUMS
William F. Ludwig, Chicago, Ill.
Application May 16, 1947, Serial No. 139,075
Term of patent 3½ years
(Cl. D56—1)



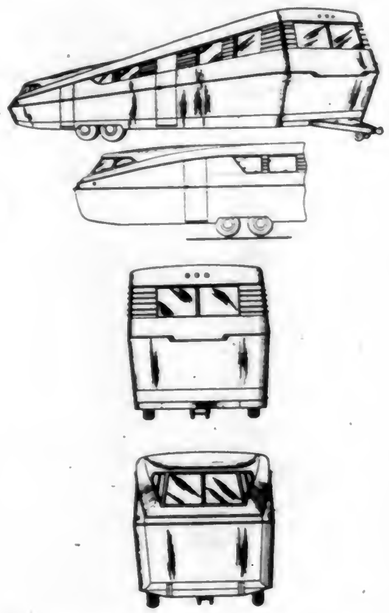
The ornamental design for a twin drumhead tensioning lug for drums, as shown.

151,641
DESIGN FOR A GAME BOARD
Wilber B. Mabry, Kansas City, Mo.
Application June 9, 1947, Serial No. 139,537
Term of patent 7 years
(Cl. D34—5)



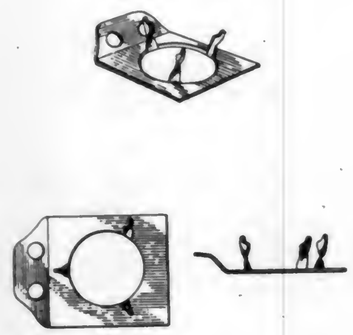
The ornamental design for a game board, as shown and described.

151,642
DESIGN FOR A VEHICLE TRAILER
William B. MacDonald, Jr., Chicago, Ill.
Application May 1, 1946, Serial No. 129,188
Term of patent 3½ years
(Cl. D14—3)



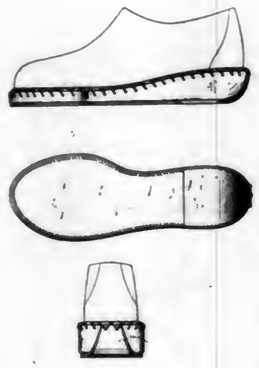
The ornamental design for a vehicle trailer as shown and described.

151,643
DESIGN FOR A HANDLING SUPPORT FOR TREATING LENSES
Donald M. Mackenzie, Reading, Pa., assignor to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania
Application September 5, 1946, Serial No. 133,072
Term of patent 14 years
(Cl. D57—1)



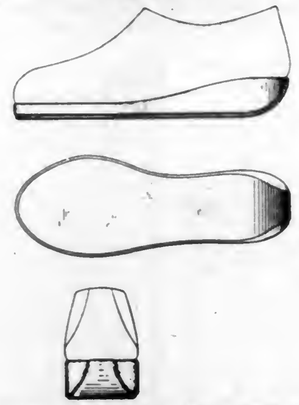
The ornamental design for a handling support for treating lenses, substantially as shown.

151,644
DESIGN FOR A SHOE
Roy Maling, Chestnut Hill, Mass.
Application March 6, 1948, Serial No. 144,948
Term of patent 14 years
(Cl. D7—7)



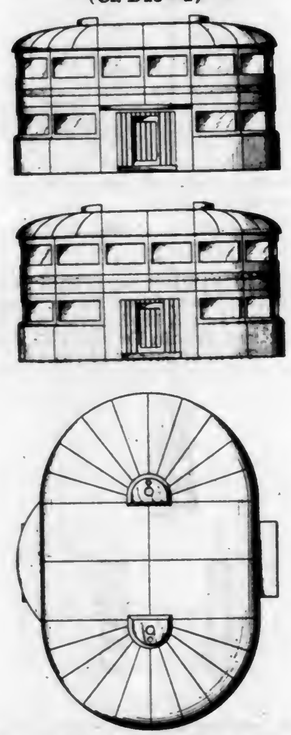
The ornamental design for a shoe, as shown.

151,645
DESIGN FOR A SHOE
Roy Maling, Chestnut Hill, Mass.
Application July 29, 1948, Serial No. 147,822
Term of patent 14 years
(Cl. D7—7)



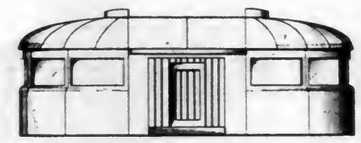
The ornamental design for a shoe, as shown.

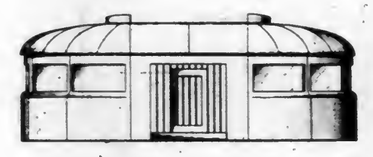
151,646
DESIGN FOR A HOUSE
George M. Marrow, Brattleboro, Vt.
Application September 26, 1947, Serial No. 141,594
Term of patent 14 years
(Cl. D13—1)



The ornamental design for a house, as shown.

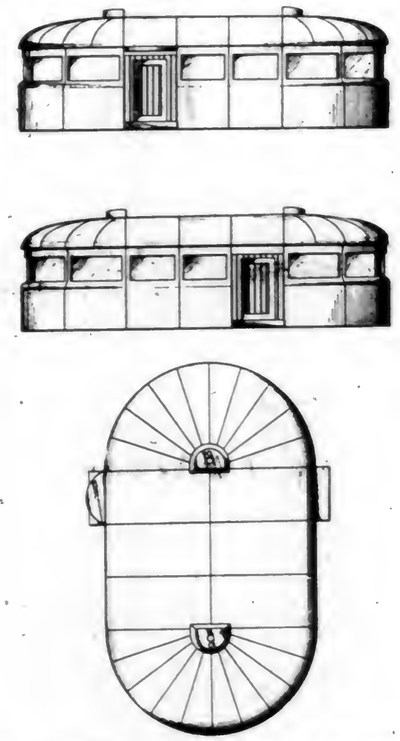
151,647
DESIGN FOR A HOUSE
George M. Marrow, Brattleboro, Vt.
Application September 26, 1947, Serial No. 141,595
Term of patent 14 years
(Cl. D13—1)





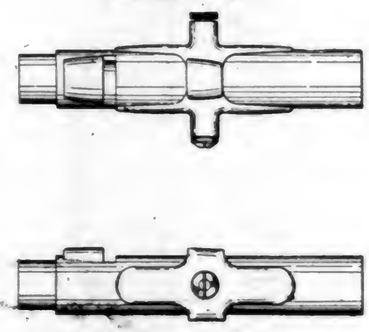
The ornamental design for a house, as shown.

151,648
DESIGN FOR A HOUSE
George M. Marrow, Brattleboro, Vt.
Application September 26, 1947, Serial No. 141,596
Term of patent 14 years
(Cl. D13—1)



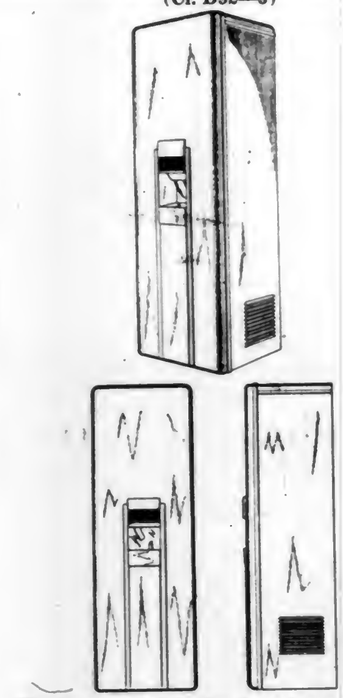
The ornamental design for a house, as shown.

151,649
DESIGN FOR AN ADJUSTABLE FISHING REEL SEAT
Charles H. Matson, New York, N. Y.
Application January 17, 1947, Serial No. 136,215
Term of patent 14 years
(Cl. D31—4)



The ornamental design for an adjustable fishing reel seat, as shown.

151,650
DESIGN FOR A BEVERAGE DISPENSER
Anthony Naiden, Southwick, Mass., assignor, by mesne assignments, to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application January 31, 1947, Serial No. 136,577
Term of patent 14 years
(Cl. D52—3)



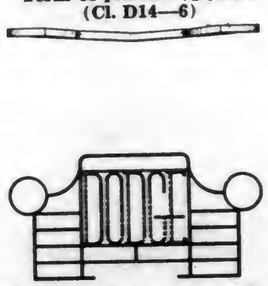
The ornamental design for a beverage dispenser, substantially as shown.

151,651
DESIGN FOR A CLOTHES PEG
Douglas Nield, Dinas Powis, Wales
Application July 2, 1947, Serial No. 140,480
In Great Britain February 14, 1947
Term of patent 14 years
(Cl. D17—6)



The ornamental design for a clothes peg, as shown.

151,652
DESIGN FOR A GRILLE GUARD FOR AUTOMOBILE RADIATORS
Harry Phillips, New York, N. Y., assignor to State Welding Works, Inc., New York, N. Y.
Application April 14, 1947, Serial No. 138,345
Term of patent 3½ years
(Cl. D14—6)



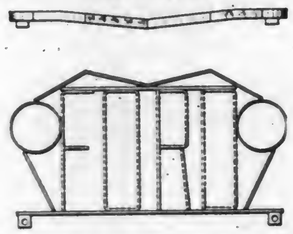
The ornamental design for a grille guard for automobile radiators, substantially as shown and described.

151,653
DESIGN FOR A GRILLE GUARD FOR AUTOMOBILE RADIATORS
Harry Phillips, New York, N. Y., assignor to State Welding Works, Inc., New York, N. Y.
Application April 14, 1947, Serial No. 138,346
Term of patent 3½ years
(Cl. D14—6)



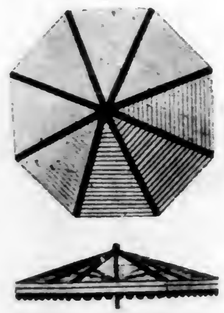
The ornamental design for a grille guard for automobile radiators, substantially as shown and described.

151,654
DESIGN FOR A GRILLE GUARD FOR AUTOMOBILE RADIATORS
Harry Phillips, New York, N. Y., assignor to State Welding Works, Inc., New York, N. Y.
Application April 14, 1947, Serial No. 138,348
Term of patent 3½ years
(Cl. D14—6)



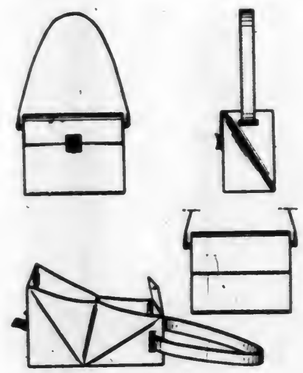
The ornamental design for a grille guard for automobile radiators, substantially as shown and described.

151,655
DESIGN FOR AN UMBRELLA
Charles M. Preaus, Tulsa, Okla., assignor of one-half to Charles E. Ross, Tulsa, Okla.
Application January 9, 1947, Serial No. 136,026
Term of patent 14 years
(Cl. D88—3)



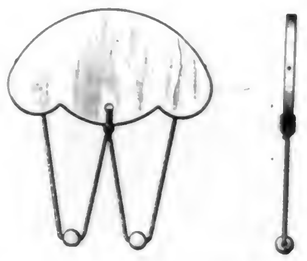
The ornamental design for an umbrella, as shown.

151,656
DESIGN FOR A HANDBAG
Frank H. Rath, Garden City, N. Y.
Application January 30, 1948, Serial No. 144,156
Term of patent 3½ years
(Cl. D87—3)



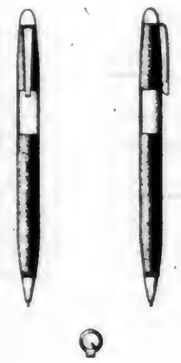
The ornamental design for a handbag, substantially as shown and described.

151,657
DESIGN FOR A PUZZLE OR SIMILAR ARTICLE
Anita M. Renault, Chicago, Ill.
Application July 27, 1946, Serial No. 132,030
Term of patent 7 years
(Cl. D34—15)



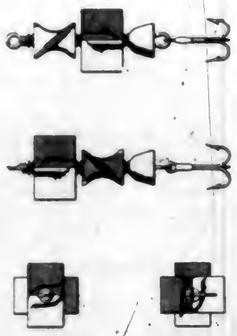
The ornamental design for a puzzle or similar article, substantially as shown.

151,658
DESIGN FOR A MECHANICAL PENCIL
Herbert W. Sams, Atlanta, Ga., assignor to Scripto, Inc., a corporation of Georgia
Application August 28, 1947, Serial No. 141,094
Term of patent 14 years
(Cl. D74—24)



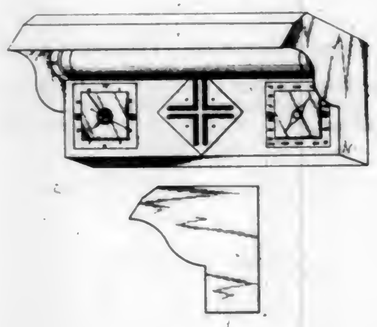
The ornamental design for a mechanical pencil, as shown.

151,659
DESIGN FOR A FISHING LURE
Oscar C. Schaefer, Racine, Wis.
Application February 26, 1947, Serial No. 137,192
Term of patent 14 years
(Cl. D31—4)



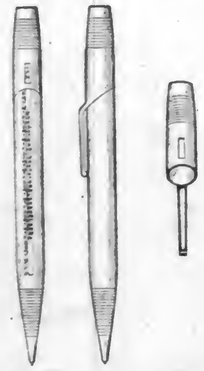
The ornamental design for a fishing lure, as shown.

151,660
DESIGN FOR A COMBINATION CLOCK, RADIO, AND LAMP
Abraham I. Shapiro, Boston, Mass.
Application December 26, 1946, Serial No. 135,759
Term of patent 7 years
(Cl. D56—4)



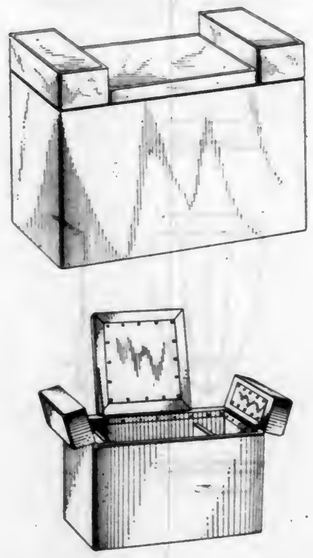
The ornamental design for a combination clock, radio, and lamp, as shown.

151,661
DESIGN FOR A CALENDAR PENCIL
John M. Sherrer, Wauconda, Ill., assignor of one-half to Donald L. Skene, Joliet, Ill., and one-half to Arlo S. Stoops, Galesburg, Ill.
Application February 14, 1947, Serial No. 136,906
Term of patent 3½ years
(Cl. D74—24)



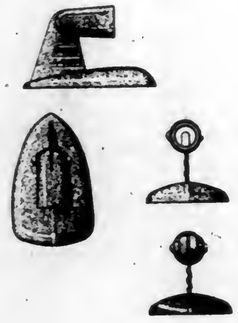
The ornamental design for a calendar pencil, substantially as shown and described.

151,662
DESIGN FOR A COMBINED STORAGE CABINET AND BENCH
Frank F. Smead, Chicago, Ill., assignor to Shawnee Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 9, 1947, Serial No. 138,947
Term of patent 14 years
(Cl. D15—8)



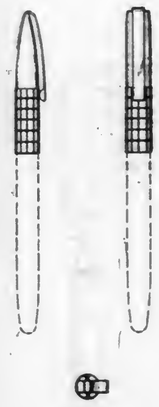
The ornamental design for a combined storage cabinet and bench, as shown.

151,663
DESIGN FOR A LAMP
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Moe Brothers Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application April 30, 1947, Serial No. 138,699
Term of patent 7 years
(Cl. D48—20)



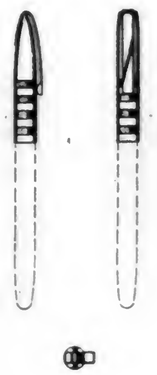
The ornamental design for a lamp, as shown.

151,664
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Walter Dorwin Teague, Annandale, N. J., and Robert J. Harper, Scarsdale, N. Y., assignors to Scripto, Inc., a corporation of Georgia
Application October 15, 1947, Serial No. 141,926
Term of patent 14 years
(Cl. D74—1)



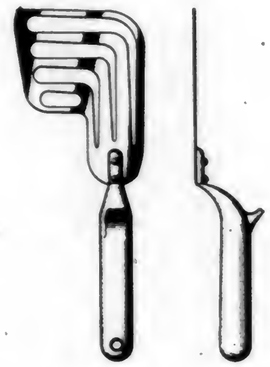
The ornamental design for a fountain pen or similar article, substantially as shown and described.

151,665
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Walter Dorwin Teague, Annandale, N. J., and Robert J. Harper, Scarsdale, N. Y., assignors to Scripto, Inc., a corporation of Georgia
Application October 16, 1947, Serial No. 141,952
Term of patent 14 years
(Cl. D74—1)



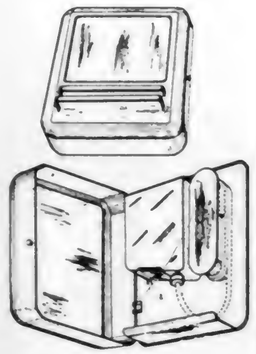
The ornamental design for a fountain pen or similar article, substantially as shown and described.

151,666
DESIGN FOR A PANCAKE TURNER OR SIMILAR ARTICLE
Robert H. Wendt, Evanston, Ill.
Application September 20, 1946, Serial No. 133,452
Term of patent 14 years
(Cl. D44—29)



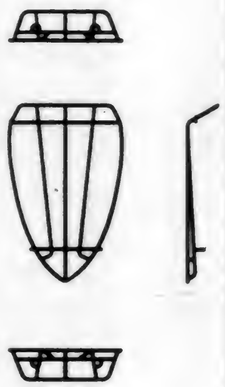
The ornamental design for a pancake turner or similar article, as shown.

151,667
DESIGN FOR A COMBINED CABINET AND DOUCHE TANK
Chesley L. Wolfe, Richmond, Calif.
Application September 20, 1946, Serial No. 133,462
Term of patent 14 years
(Cl. D33—19)



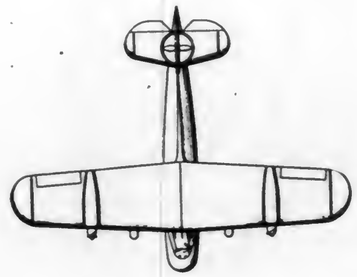
The ornamental design for a combined cabinet and douche tank, substantially as shown and described.

151,668
DESIGN FOR AN IRON STAND
Philip P. Wriede, New York, and Herbert Pike, Brooklyn, N. Y.
Application December 3, 1947, Serial No. 142,942
Term of patent 14 years
(Cl. D49—6)

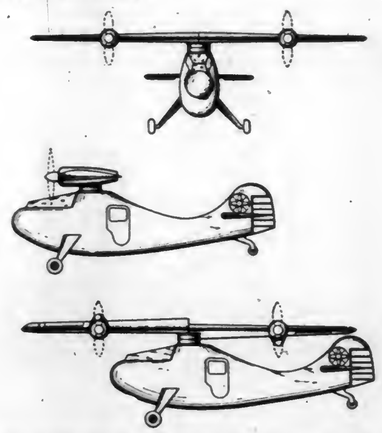


The ornamental design for an iron stand, substantially as shown.

151,669
DESIGN FOR A ROTOR PLANE
Joseph Youhouse, Fairfield, Conn.
Application October 7, 1946, Serial No. 133,806
Term of patent 7 years
(Cl. D71—1)



151,669—Continued



The ornamental design for a rotor plane, substantially as shown.

November 9, 1948 Volume 616 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Patents	581	No. 2,453,108 to No.	2,453,688, inclusive
Designs	58	No. 151,670 to No.	151,727, inclusive
Total	906		

Patents expiring: Patent Numbers 1,830,745 to 1,831,796, inclusive, and Plant Patent Number 5 issued November 10, 1931, expire November 10, 1948

Condition of Applications Under Examination at Close of Business Oct. 22, 1948

Total number of patent applications awaiting action, 154,474. Date of oldest new application, October 4, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	5-14-47	4-23-47	2829
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	2-27-47	9-19-46	2975
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	1-19-48	1- 8-48	1363
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	3-14-47	2- 8-47	4126
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	5- 2-47	11- 5-46	1743
6. SURLE, H., Carbon Chemistry (part)	11- 6-47	10-11-47	1793
7. HANLIN, GEORGE, Optics; Photographic Apparatus	1-24-48	10-23-47	1648
8. LEWIS, R. O., (Acting), Furniture; Racks and Cabinets	2- 3-47	10- 2-46	4406
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	6-30-47	2- 6-47	2312
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	2-14-48	12-12-48	1603
11. BENHAM, E. V., Boots, Shoes, and Leggings, Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	12-10-47	2- 7-48	790
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	11-17-47	9-14-46	2246
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	10- 4-46	10-29-46	2400
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	1-21-48	10-22-47	1348
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	7-22-47	5-21-47	2145
16. LOVEWELL, N. N., Television; Telephony	1- 7-48	8- 5-47	1508
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-19-47	11-12-46	2074
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	7-15-47	8- 2-46	2016
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-26-47	2- 1-47	1880
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	3-10-47	1-17-47	2049
21. MADER, R. C., Textiles	11-18-47	8-28-47	1246
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	11-14-47	1- 3-47	1671
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	11- 7-47	12-13-46	1193
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	10- 9-47	9- 9-47	2828
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	12-17-47	2-27-47	1764
26. YOUNG, R. R., Electricity—Generation and Motive Power	1-29-48	1-13-47	1208
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	7-12-47	12-30-46	3607
28. SOLYOM, H. L., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Railway Wheels and Axles.	10- 2-47	9- 3-47	980
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	3-28-47	2-27-47	3200
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	1- 5-48	10-15-47	1568
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	2-10-48	2- 6-48	2154
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	4- 1-47	11- 5-46	3238
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	2-24-47	10-28-46	3566
34. SAPERSTEIN, S., Electricity—Transmission of Vehicles; Railways; Track Sanders; Signals and Indicators	3-15-47	11-27-46	1508
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	6- 2-47	11-15-46	3374
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	11- 4-46	10- 9-46	1996
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	1-26-48	3-21-47	1344
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	7- 8-47	7- 3-47	1733
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	5-15-47	9-13-46	3031
40. DRUMMOND, E. J., Receptacles (part); Packages	12- 5-47	12-18-46	3286
41. HERTZ, M., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	1-22-48	10-25-46	2334
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	2-12-48	1-27-48	1206
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	1- 2-48	10-23-47	1270
44. HARVEY, L. P., Refrigeration; Preserving	10-28-46	9-27-46	1105
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances; Vehicle Fenders.	4- 7-47	10-16-46	2582
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	7-25-47	10-25-46	1822

Total number of patent applications awaiting action, 154,474. Date of oldest new application, October 4, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	12- 9-47	7-21-47	2188
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	1-20-48	4- 9-47	1504
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	10-17-47	8-30-47	1576
50. LEVIN, SAMUEL, Synthetic Resins	1-26-48	11- 8-47	2249
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	1-21-48	8-26-47	1770
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	10-13-47	1- 6-47	3895
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	5- 8-47	10- 1-46	3567
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	1-28-48	7-18-47	1705
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Toilet	10-23-47	10-22-47	1889
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Heating and Illuminating Gas	12-16-47	11- 7-47	1073
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	5-19-47	1-22-47	3578
58. DOWELL, E. F., Abrading; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	12-31-46	3- 3-47	2135
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	9-19-47	4-25-47	2020
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	2-25-48	7-24-47	1415
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	12- 3-46	8- 5-46	3760
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	6-14-47	9-17-46	1855
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	9-30-47	9-13-47	1328
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous	3-17-48	3-19-48	1589
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	1-26-48	7- 2-47	2167
66. LISANN, L., Geometrical Instruments	8-11-47	4-16 46-	2085
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	8-22-47	4-30-47	1992
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	3- 3-48	8-23-47	1495
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	7-10-47	1- 8-47	1973
DESIGNS: BREHM, O. L.	3- 1-47	2-11-48	7508

Total number of trade-mark applications awaiting action (including renewals and republications), 38,684. Date of oldest new application, Sept. 29, 1947; date of oldest amended application, Mar. 11, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	1-10-48	6-10-48	3025
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	10- 4-47	3-20-48	5612
3. SUMMERS, G. S., Classes 13, 21, 23, 26	9-29-47	5- 6-48	4911
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-20-47	3-17-48	4375
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	10-10-47	3-11-48	3442
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	12-15-47	8- 3-48	3211
7. KEYS, O. M., Classes 16, 19, 55	10-31-47	3-27-48	2134
8. GEDIMAN, H. W. Renewals	9-20-48	10-7-48	71
8. GEDIMAN, H. W. Republications — All Classes	11-10-47	10-2-48	11903

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Acco Products Corporation, Detroit, Mich. Children's toy carriages and children's wagons. Serial No. 518,267, Nov. 9. Class 22.

Acme Novelty Mfg. Co., River Grove, Ill. Toy pistols. Serial Nos. 541,482–3, Nov. 9. Class 22.

Aladdin Sales Co., New York, N. Y. Toy plastic balloons and toy bubble-forming liquids and pastes. Serial No. 541,797, Nov. 9. Class 22.

Alpine Sporting Goods Co., The, New York, N. Y. Skis, ski poles and component parts thereof. Serial No. 496,006, Nov. 9. Class 22.

American Felt Company, Glenville, Conn. Felt in the piece. Serial No. 528,182, Nov. 9. Class 50.

American Laundry Machinery Company, The, Cincinnati, Ohio. Commercial laundry apparatus. Serial No. 535,377, Nov. 9. Class 24.

Aristocrat Leather Products, Inc., New York, N. Y. Combination bill folds and purses. Serial No. 551,510, Nov. 9. Class 4.

Armour and Company, Chicago, Ill. Dehydrochloric acid. Serial No. 533,527, Nov. 9. Class 6.

Armour and Company, Chicago, Ill. Soap. Serial No. 529,857, Nov. 9. Class 4.

Autographic Register Company, Hoboken, N. J. Carbon and manifolding carbon paper. Serial No. 532,105, Nov. 9. Class 11.

Automatic Gas Company of Columbus, Columbus, Ga. Butane gas. Serial No. 518,648, Nov. 9. Class 6.

Automatic Recording Safe Company, The, Chicago, Ill. Small portable savings banks. Serial No. 532,199, Nov. 9. Class 22.

Baker Brush Co., Inc., New York, N. Y. Paint brushes. Serial No. 538,850, Nov. 9. Class 29.

Baker, Wright R., Pennsburg, Pa. Medicinal powder for making hygienic solutions. Serial No. 523,453, Nov. 9. Class 6.

Baker, Wright R., Pennsburg, Pa. Ointment for minor burns, cuts and scratches, etc. Serial No. 523,452, Nov. 9. Class 6.

Bales, William R., Tampa, Fla. Fish lures. Serial No. 541,635, Nov. 9. Class 22.

Barclay Knitwear Co., Inc., Kingston and New York, N. Y. Children's sweaters. Serial No. 537,963, Nov. 9. Class 39.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. Serial No. 545,811, Nov. 9. Class 42.

Barton Manufacturing Company, St. Louis, Mo. Polish for leather goods. Serial No. 534,591, Nov. 9. Class 4.

Baybank Pharmaceuticals, Inc., New York, N. Y. Medicated gargle and mouth wash. Serial No. 551,077, Nov. 9. Class 6.

Bemis Bro. Bag Company, St. Louis, Mo. Parcel-post mailing-envelopes. Serial No. 526,861, Nov. 9. Class 2.

Bergen Building Block, Inc., Ridgefield Park, N. J. Concrete products. Serial No. 537,406, Nov. 9. Class 12.

Blaw-Knox Company, Pittsburgh, Pa. Briquetted solid carbonaceous fuel. Serial No. 504,318, Nov. 9. Class 1.

Blaw-Knox Company, Pittsburgh, Pa. Metallic grating and open flooring. Serial No. 543,372, Nov. 9. Class 12.

Bloom, Charles, Inc., New York, N. Y. Printed cotton fabrics. Serial No. 528,334, Nov. 9. Class 42.

Boye Needle Company, The, Chicago, Ill. Crochet needles for hand use. Serial No. 523,237, Nov. 9. Class 40.

Bristol Laboratories Inc., Syracuse, N. Y. Crystalline sodium penicillin G. Serial No. 533,843, Nov. 9. Class 6.

Brown Deer Manufacturing Co., Milwaukee, Wis. Hydraulic lifting jacks. Serial No. 534,991, Nov. 9. Class 23.

Brown, Dr. H. Robert: *See*—
Brown, H. Robert.

Brown, H. Robert, doing business as Dr. H. Robert Brown, Lewiston, Maine. Tooth powder and mouth lotion. Serial No. 549,614, Nov. 9. Class 6.

Brown, Lockwood & Davenport Co.: *See*—
Creative Footwear, Inc.

Bubble Bait Company: *See*—
Gilgan, Joseph J., Jr.

Burlingham, E. F., & Sons, Forest Grove, Oreg. Field seeds. Serial Nos. 531,643–4, Nov. 9. Class 1.

Burlington Mills Corporation, Greensboro, N. C. Cotton piece goods. Serial No. 546,362, Nov. 9. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Rayon and cotton twill shirting fabric. Serial No. 546,365, Nov. 9. Class 42.

Butler, Edgar M., doing business as Butler Engineering Co., New Orleans, La. Electrolytic apparatus. Serial No. 523,365, Nov. 9. Class 21.

Butler Engineering Co.: *See*—
Butler, Edgar M.

California Cotton Mills Company, Oakland, Calif. Cotton twines. Serial No. 544,254, Nov. 9. Class 7.

Campbell Soup Company, assignee: *See*—
Standard Brands Incorporated.

Caron Corporation, New York, N. Y. Perfume, toilet water and perfumed liquid bath preparation. Serial No. 547,320, Nov. 9. Class 6.

Carpenter Steel Company, The, Reading, Pa. Steel in the form of wire, strips, bars, etc. Serial No. 517,116, Nov. 9. Class 14.

Carter, William, Company, The, Needham Heights, Mass. Infants' undershirts and bands. Serial No. 542,566, Nov. 9. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 534,242, Nov. 9. Class 42.

Central Ohio Supply Co., The, Columbus, Ohio. Food flavors. Serial No. 517,969, Nov. 9. Class 46.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Wood pulp. Serial No. 527,302, Nov. 9. Class 1.

Chicago Telephone Supply Co., Elkhart, Ind. Potentiometers of the variable resistance type. Serial No. 524,858, Nov. 9. Class 21.

Ciba Limited, Basle, Switzerland. Synthetic resinous adhesives. Serial No. 505,804, Nov. 9. Class 5.

Ciffo, Sam J., doing business as Columbia Manufacturing Co., Brooklyn, N. Y. Boxed drinking and wetting doll. Serial No. 521,436, Nov. 9. Class 22.

Cincinnati Cotton Products Company, The, Cincinnati, Ohio. Shroud cloths. Serial No. 537,873, Nov. 9. Class 42.

Cinelli & Co.: *See*—
Cinelli, Ted.

Cinelli, Ted, doing business as Cinelli & Co., San Francisco, Calif. Fresh deciduous fruits. Serial No. 540,384, Nov. 9. Class 46.

Clark Equipment Company, Buchanan, Mich. Railway trucks. Serial No. 529,437, Nov. 9. Class 19.

Clarke Sanding Machine Company, The, Muskegon, Mich. Unitary portable hand operated electrical sanders and parts thereof. Serial No. 515,608, Nov. 9. Class 21.

Clearwater Finishing Company, Clearwater, S. C. Piece goods. Serial No. 556,558, Nov. 9. Class 42.

Clover Farm Stores Corporation, Cleveland, Ohio. Matches. Serial No. 552,942, Nov. 9. Class 9.

Clover Farm Stores Corporation, Cleveland, Ohio. Matches. Serial No. 552,946, Nov. 9. Class 9.

Cohen, Isidor H., New York, N. Y. Textile fabrics in the piece. Serial No. 509,500, Nov. 9. Class 42.

Columbia Manufacturing Co.: *See*—
Ciffo, Sam J.

Comfort, John, Nahant, Mass. Game of skill. Serial No. 505,482, Nov. 9. Class 22.

Consolidated Cigar Corporation, New York, N. Y., assignor to G. H. P. Cigar Co., Inc., Philadelphia, Pa. Cigars. Serial No. 542,446, Nov. 9. Class 17.

Consolidated Flour Mills Company, The, Wichita, Kans. Wheat flour. Serial No. 530,062, Nov. 9. Class 46.

Cook Coffee Company, The, Cleveland, Ohio. Waxpaper. Serial No. 543,097, Nov. 9. Class 37.

Cooper Drug Company: *See*—
Cooper, Nathan B.

Cooper, Nathan B., doing business as Cooper Drug Company, Detroit, Mich. Medicinal tablets. Serial No. 519,516, Nov. 9. Class 6.

Copeland Refrigeration Corporation, Sidney, Ohio. Electrically operated refrigerating condensing units. Serial No. 545,619, Nov. 9. Class 31.

Corduroy Rubber Company, Grand Rapids, Mich. Vehicle tires. Serial No. 536,671, Nov. 9. Class 35.

Courtaulds, Limited, London, England. Staple fibre. Serial No. 541,649, Nov. 9. Class 1.

Creative Footwear, Inc., Boston, Mass., by change of name from Brown, Lockwood & Davenport Co. Monthly publication. Serial No. 477,317, Nov. 9. Class 38.

Crown Cork & Seal Company, Inc., Baltimore, Md. Water coolers. Serial No. 548,806, Nov. 9. Class 31.

Day's Tailor-D Clothing, Inc., Tacoma, Wash. Dress trousers and slacks (men and boys). Serial No. 512,821, Nov. 9. Class 39.

DeLong Hook and Eye Company, The, Philadelphia, Pa. Hairpins, safety pins, and snap fasteners. Serial No. 499,321, Nov. 9. Class 40.

Desbergers Limited, Montreal, Canada. Medicinal preparation in tablet form. Serial No. 535,004, Nov. 9. Class 6.

Dick & Goldschmidt Limited, London, W. 1, England. Woolen textile piece goods. Serial No. 543,798, Nov. 9. Class 42.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Crucibles for industrial uses. Serial No. 546,682, Nov. 9. Class 34.

Dykeman, Loeb & Company, Philadelphia, Pa. Fabrics made of cotton and/or rayon yarn. Serial No. 544,071, Nov. 9. Class 42.

Early Foundry Co., Dickson City, Pa. Coal ranges, coal and gas combination ranges, oil and gas combination ranges, etc. Serial No. 540,987, Nov. 9. Class 34.

Economy Supply Company, Fort Worth, Tex. Water heater, other than electric. Serial No. 499,216, Nov. 9. Class 34.
Edwards, Gean, Manufacturing Company, Milwaukee, Wis. Water and wind repellent jackets, for men and boys. Serial No. 517,047, Nov. 9. Class 39.
Eisenberg, Daniel, Plainfield, N. J. Collapsible combination shoe and cane and umbrella holder. Serial No. 506,232, Nov. 9. Class 2.
Elderwood Citrus Association, Woodlake, Calif. Fresh citrus fruits. Serial No. 539,946, Nov. 9. Class 46.
Elliot Pharmacal Company: *See*—
Froom, Julius E.
Ely & Walker Dry Goods Company, St. Louis, Mo. Hosiery. Serial No. 498,216, Nov. 9. Class 39.
Even-Pul Foundations, Inc., New York, N. Y. Women's clothing. Serial No. 546,202, Nov. 9. Class 39.
Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 541,923, Nov. 9. Class 22.
Fairchild Publications, Inc., New York, N. Y., by consolidation with Women's Wear Company. Newspaper section. Serial No. 524,674, Nov. 9. Class 38.
Filice & Perrelli Canning Company, Inc., Richmond, Calif. Canned fruits and canned vegetables. Serial No. 541,120, Nov. 9. Class 46.
Firestone Industrial Products Company: *See*—
Firestone Tire and Rubber Company, The.
Firestone Tire and Rubber Company, The, doing business as Firestone Industrial Products Company, Akron, Ohio. Adhesive cement. Serial No. 481,279, Nov. 9. Class 5.
Frazin, William M., doing business as Wm. M. Frazin Company, Chicago, Ill. Neckties. Serial No. 505,571, Nov. 9. Class 39.
Frazin, Wm. M., Company: *See*—
Frazin, William M.
French-Kitchen Foods Company: *See*—
Karmen, B. H.
Friend Hide Co., Chicago, Ill., and St. Louis, Mo. Cattle hides, sheepskins and calf skins. Serial Nos. 541,533–4, Nov. 9. Class 1.
Froom, Julius E., doing business as Elliot Pharmacal Company, Omaha, Nebr. Liniment lotion. Serial No. 551,555, Nov. 9. Class 6.
G. H. P. Cigar Co., Inc.: *See*—
Consolidated Cigar Corporation.
Gaybrand Bags, Inc., New York, N. Y. Girls' and misses' handbags and purses. Serial No. 552,968, Nov. 9. Class 3.
Geophoto Services, Denver, Colo. Service of making geological evaluations of land areas. Serial No. 537,579, Nov. 9. Class 55.
Gilbert, S. L., Company, Inc., New York, N. Y. Men's, women's, and children's hosiery. Serial No. 538,000, Nov. 9. Class 39.
Gilgan, Joseph J., Jr., doing business as Bubble Bait Company, Los Angeles, Calif. Artificial fish bait and lures. Serial No. 508,038, Nov. 9. Class 22.
Glenmore Distilleries Company, Louisville, Ky. Whiskey. Serial No. 530,496, Nov. 9. Class 49.
Glostex Products: *See*—
Herman, Irving and A.
Glostex Products, Inc.: *See*—
Herman, Irving and A.
Glove Wireless Ltd., San Francisco, Calif., and Reno, Nev. Radiotelegraph and radio-teletype message service. Serial No. 535,149, Nov. 9. Class 55.
Good Luck Glove Company, Carbondale, Ill. Children's fabric gloves. Serial No. 529,023, Nov. 9. Class 39.
Good Luck Glove Company, Carbondale, Ill. Work gloves. Serial No. 529,161, Nov. 9. Class 39.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Canned sardines. Serial No. 540,068, Nov. 9. Class 46.
Greneker Corporation, The, New York, N. Y. Heads and manikins. Serial No. 530,816, Nov. 9. Class 50.
Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Preparation in liquid cream and paste form for cleaning and polishing shoes. Serial No. 547,626, Nov. 9. Class 4.
Guggenheim Enterprises: *See*—
Guggenheim, Robert, Jr.
Guggenheim, Robert, Jr., doing business as Guggenheim Enterprises, Los Angeles, Calif. Hosiery. Serial No. 516,481, Nov. 9. Class 39.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Calcium preparation. Serial No. 543,705, Nov. 9. Class 6.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Iodine preparation. Serial No. 543,706, Nov. 9. Class 6.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Folic acid. Serial No. 543,708, Nov. 9. Class 6.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Laxatives. Serial No. 543,710, Nov. 9. Class 6.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Vitamin B preparation. Serial No. 543,711, Nov. 9. Class 6.
Haggard, John M., Chicago, Ill. Group form of advertising service. Serial No. 537,581, Nov. 9. Class 55.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Wood-encased pencils of all kinds and pencil erasers. Serial No. 534,115, Nov. 9. Class 37.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Wood-encased pencils. Serial No. 534,118, Nov. 9. Class 37.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Wood-encased pencils. Serial No. 534,120, Nov. 9. Class 37.
Harrison, A. S., Company, The, New York, N. Y. Polishing and waxing preparations for floors and similar surfaces. Serial No. 534,279, Nov. 9. Class 16.
Harrower Laboratory, Inc., The, Glendale, Calif. Laxative. Serial No. 551,101, Nov. 9. Class 6.
Harshman, Virgil R., South Bend, Ind. Fishing bobbers. Serial No. 521,131, Nov. 9. Class 22.
Haviland Laboratories, Inc., New York, N. Y. Perfumes, toilet water, bath oil, etc. Serial No. 534,438, Nov. 9. Class 6.
Hayes Track Appliance Company, Richmond, Ind. Track appliances. Serial No. 527,049, Nov. 9. Class 14.
Heal, James H., doing business as Treatment Service and Engineering Company, San Francisco, Calif. Ground flax seed mixed with other chemicals. Serial No. 509,286, Nov. 9. Class 6.
Hego Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 547,117, Nov. 9. Class 42.
Heil Co., The, Milwaukee, Wis. Gas fired furnaces and oil fired furnaces. Serial No. 537,764, Nov. 9. Class 34.
Hemet Mutual Groves, Hemet, Calif. Fresh citrus fruits. Serial No. 503,653, Nov. 9. Class 46.
Herman, Irving and A., doing business as Glostex Products, Inc., Chicago, Ill. Automobile seat covers. Serial No. 496,960, Nov. 9. Class 19.
Hirsch Shirt Corporation, Chicago, Ill. Men's and boys' dress, negligee, and work shirts. Serial No. 536,781, Nov. 9. Class 39.
Hoffman, E. A., Candy Co. Inc., Los Angeles, Calif. Candy. Serial No. 536,085, Nov. 9. Class 46.
Holly Hill Fruit Products, Incorporated, Davenport, Fla. Fresh and canned citrus fruits, canned citrus fruit juices, and citrus fruit jellies and marmalades. Serial No. 525,485, Nov. 9. Class 46.
Holyoke Belting Company, Holyoke, Mass. Leather belting. Serial No. 534,284, Nov. 9. Class 35.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, lipstick, etc. Serial No. 535,844, Nov. 9. Class 6.
Houghton, E. F., & Co., Philadelphia, Pa. Lubricating greases. Serial No. 533,569, Nov. 9. Class 15.
Hudnut, Richard, New York, N. Y. Face powder, rouge, and lipstick. Serial No. 523,267, Nov. 9. Class 6.
Industrial Electronics Service Co., Brooklyn, N. Y. Magnetic wire recorders, wire winding reels therefor, audio amplifiers, radio receivers, etc. Serial No. 506,666, Nov. 9. Class 21.
Industrial Tape Corporation, New Brunswick, N. J. Pressure-sensitive adhesive tapes. Serial No. 491,096, Nov. 9. Class 5.
Inland Rubber Corporation, Chicago, Ill. Adhesive cements and cementitious vulcanizing gums. Serial No. 531,596, Nov. 9. Class 5.
Inland Rubber Corporation, Chicago, Ill. Adhesive cements and cementitious vulcanizing gums. Serial No. 531,604, Nov. 9. Class 5.
International Typographical Union, Indianapolis, Ind. Almanacs, annual publications, book series, etc. Serial No. 528,572, Nov. 9. Class 38.
Jackes-Evans Manufacturing Company, St. Louis, Mo. Stove pipe, space heaters. Serial No. 527,592, Nov. 9. Class 34.
Jackes-Evans Manufacturing Company, St. Louis, Mo. Coal hods. Serial No. 527,706, Nov. 9. Class 2.
Joanna Western Mills Company, Chicago, Ill. Plastic coated fabrics of cotton fibre. Serial No. 554,576, Nov. 9. Class 42.
Johnson, Hanna W., Des Moines, Iowa. Card game. Serial No. 507,256, Nov. 9. Class 22.
K. Products Co., The, Cheyenne, Wyo. Marshmallow cream. Serial No. 523,390, Nov. 9. Class 46.
Karmen, B. H., doing business as French-Kitchen Foods Company, Chatsworth, Calif. Onion soup mixture in dehydrated form. Serial No. 500,224, Nov. 9. Class 46.
Karolton Envelope Company, Chicago, Ill. Blank cards and sheets. Serial Nos. 537,802–3, Nov. 9. Class 37.
Kloss Supply Co., Allentown, Pa. Non-alcoholic, non-cereal, maltless beverages. Serial No. 540,420, Nov. 9. Class 45.
Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames. Serial Nos. 547,351–2, Nov. 9. Class 26.
Koskinen, Onni S., Hamtramck, Mich. Minnow traps. Serial No. 520,632, Nov. 9. Class 22.
Kraft Bedding Company, Detroit, Mich. Mattresses, and box springs. Serial No. 541,146, Nov. 9. Class 32.
Kuehnle-Wilson Inc., Philadelphia, Pa. Services in connection with its contract painting. Serial No. 532,708, Nov. 9. Class 55.
Kulp, Emil, doing business as Kulp Manufacturing Co., Chicago, Ill. Scalp unction. Serial No. 530,942, Nov. 9. Class 6.
Kulp Manufacturing Co.: *See*—
Kulp, Emil.

Lactona Incorporated, St. Paul, Minn. Hair brushes and hair brush handles. Serial No. 518,417, Nov. 9. Class 29.
Levy, Myron B., Co., Inc., New York, N. Y. Neckwear tie interlinings. Serial No. 541,848, Nov. 9. Class 42.
Lewis, Rosemarie, doing business as Vogarell Products Company, Los Angeles, Calif. Skin ointment. Serial No. 553,874, Nov. 9. Class 6.
Lewis, Rosemarie, doing business as Vogarell Products Company, Los Angeles, Calif. Ointment used for the symptomatic relief of neuralgia, sciatica, rheumatic pains, etc. Serial No. 553,875, Nov. 9. Class 6.
Leybro Mfg. Co., Inc., New York, N. Y. Girls' and children's slips. Serial No. 547,262, Nov. 9. Class 39.
Liberty Glass Company, The, Sapulpa, Okla. Beverage glass bottles. Serial No. 501,395, Nov. 9. Class 33.
Lind, William, doing business as William Lind Co., New York, N. Y. Cotton piece goods. Serial No. 546,269, Nov. 9. Class 42.
Lind, William, Co.: *See*—
Lind, William.
Louis, M., Products Co.: *See*—
Napolitan, Louis.
Lumen Bearing Company, Buffalo, N. Y. Bearing metal. Serial No. 533,825, Nov. 9. Class 14.
MacDermid Incorporated, Waterbury, Conn. Liquid addition agent for electroplating solutions. Serial No. 515,887, Nov. 9. Class 6.
Mackintosh-Hemphill Company, Pittsburgh, Pa. High nickel chromium alloy iron rolls. Serial No. 525,003, Nov. 9. Class 23.
Mandeville & King Company, Rochester, N. Y. Flower seeds. Serial No. 535,724, Nov. 9. Class 1.
Marble Arms & Mfg. Company, Gladstone, Mich. Auxiliary cartridges, broken shell extractors, rifles, etc. Serial No. 530,536, Nov. 9. Class 9.
Marshall Field & Company, Chicago, Ill. Cotton bed sheets, pillow cases, and sheeting in the piece. Serial No. 532,850, Nov. 9. Class 42.
Mead Johnson & Company, Evansville, Ind. Pharmaceutical preparation. Serial No. 516,934, Nov. 9. Class 6.
Mead Johnson & Company, Evansville, Ind. Pharmaceutical preparation. Serial No. 516,936, Nov. 9. Class 6.
Michigan Chemical Corporation, St. Louis, Mich. Insecticide. Serial No. 508,540, Nov. 9. Class 6.
Modern Handcraft, Inc., Kansas City, Mo. Transfer patterns, embroidery patterns, and fabrics stamped with designs. Serial No. 549,823, Nov. 9. Class 40.
Monroe Laboratories, Inc., Chicago, Ill. Chemical antiseptic, insecticides, germicide, etc. Serial No. 536,707, Nov. 9. Class 6.
Mooresville Mills, Inc., Mooresville, N. C. Finished rayon piece goods. Serial No. 536,706, Nov. 9. Class 42.
Morgan, Naomi O., doing business as Toni Owen, New York, N. Y. Sportswear for ladies and misses. Serial No. 508,803, Nov. 9. Class 39.
Mutual Products Co., Minneapolis, Minn. Animal food fortifier in dry form. Serial No. 541,438, Nov. 9. Class 46.
Napolitan, Louis, doing business as M. Louis Products Co., New York, N. Y. Permanent wave lotion, hair-end cream, hair lacquer, etc. Serial No. 539,071, Nov. 9. Class 6.
Nathanson, Joseph G., Natick, R. I. Textile treatment chemicals. Serial Nos. 528,501–2, Nov. 9. Class 6.
National Airlines, Inc., Miami, Fla. Air transportation. Serial Nos. 538,030–1, Nov. 9. Class 55.
National Ornament Co., New York, N. Y. Climbing toy-monkey. Serial No. 513,523, Nov. 9. Class 22.
National Waterproofing Company, Camden, N. J. Waterproof wrapping and lining paper. Serial Nos. 543,516–17, Nov. 9. Class 37.
National Waterproofing Company, Camden, N. J. Creped waterproof wrapping and lining paper. Serial No. 543,518, Nov. 9. Class 37.
Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, book, index and onionskin paper, etc. Serial No. 542,862, Nov. 9. Class 37.
Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, book, index and onionskin paper, etc. Serial No. 542,865, Nov. 9. Class 37.
Nootbaar, H. V. & Co.: *See*—
Nootbaar, Herbert V.
Nootbaar, Herbert V., doing business as H. V. Nootbaar & Co., Pasadena, Calif. Brokerage services. Serial No. 551,724, Nov. 9. Class 55.
North Star Woolen Mill Company, Minneapolis, Minn. Woolen blankets and woolen fabrics. Serial No. 513,194, Nov. 9. Class 42.
Norwich Knitting Company, Norwich, N. Y. Union-suits, undershirts, and drawers for men, women and children. Serial No. 547,271, Nov. 9. Class 39.
Norwich Knitting Company, Norwich, N. Y. Ladies' underwear. Serial No. 547,932, Nov. 9. Class 39.
Oliver Corporation, The, Chicago, Ill. Hay balers. Serial No. 534,650, Nov. 9. Class 23.
Owen, Toni: *See*—
Morgan, Naomi O.
Page Belting Company, Concord, N. H. Leather belting and leather packing. Serial No. 546,323, Nov. 9. Class 35.
Pandora Knitwear, Inc., New York, N. Y. Sweaters. Serial No. 535,741, Nov. 9. Class 39.
Parke, Davis & Company, Detroit, Mich. Antispasmodic preparation. Serial No. 536,124, Nov. 9. Class 6.
Parke, Davis & Company, Detroit, Mich. Chemotherapeutic agent. Serial No. 552,000, Nov. 9. Class 6.
Patch, E. L., Company, The, Stoneham, Mass. Medicinal preparations. Serial No. 551,815, Nov. 9. Class 6.
Peerless Umbrella Co., Inc., New York, N. Y. Umbrellas. Serial No. 555,442, Nov. 9. Class 41.
"Pendula" Products Company, East Woodbury, N. J. Juvenile amusement devices. Serial Nos. 501,336–7, Nov. 9. Class 22.
Pennsylvania Rubber Company, Jeannette, Pa. Inner tubes. Serial No. 535,347, Nov. 9. Class 35.
Pepperell Manufacturing Company, Boston, Mass. Blankets. Serial No. 556,471, Nov. 9. Class 42.
Pere, J. Thiriez, & Fils & Cartier-Bresson, Societe A Responsabilite Limitee, Lille, France. Cotton thread. Serial No. 509,741, Nov. 9. Class 43.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial No. 544,656, Nov. 9. Class 6.
Plexo Preparations, Inc., New York, N. Y. Powder base, and face creams. Serial No. 534,468, Nov. 9. Class 6.
Polson Rubber Company, The, Garrettsville, Ohio. Inner tubes. Serial No. 537,500, Nov. 9. Class 35.
Punch-Lok Company, Chicago, Ill. Tool for applying steel band clamps. Serial No. 512,202, Nov. 9. Class 23.
Rayfel Hosiery Mills, Inc., Phoenixville, Pa. Ladies' hosiery. Serial No. 537,826, Nov. 9. Class 39.
Renson & Stafford, Inc., New York, N. Y. Piece goods. Serial No. 523,542, Nov. 9. Class 42.
Reuter, John, Jr., Sault Sainte Marie, Mich. Golf clubs. Serial No. 525,403, Nov. 9. Class 22.
Rig Company, The: *See*—
Guy, Ralph I.
Roebling's, John A., Sons Company, Trenton, N. J. Insulated electrical wire and cable. Serial No. 544,285, Nov. 9. Class 21.
Ross-Gould Co., St. Louis, Mo. Comminuted metallic minerals. Serial No. 511,647, Nov. 9. Class 1.
Rothenberg & Schloss Cigar Company, Kansas City, Mo. Stogies and cigars. Serial No. 549,340, Nov. 9. Class 17.
Royal Society, Inc., New York, N. Y. Toy kits. Serial No. 509,103, Nov. 9. Class 22.
Royal Souders, Inc., Dayton, Ohio. Flavoring extracts. Serial No. 504,517, Nov. 9. Class 46.
Ryser Bros. of Wisconsin, Inc., Mt. Horeb, Wis. Cheese. Serial No. 511,185, Nov. 9. Class 46.
Saxon Toy Corporation, Brooklyn, N. Y. Electrically actuated board-type baseball game. Serial No. 500,902, Nov. 9. Class 22.
Saxon Toy Corporation, Brooklyn, N. Y. Electrically actuated board-type geographic game. Serial No. 500,904, Nov. 9. Class 22.
Schroth, J. & F., Packing Company, The, Cincinnati, Ohio. Lards. Serial No. 512,673, Nov. 9. Class 46.
Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics in the piece. Serial No. 553,310, Nov. 9. Class 42.
Sea Island Manufacturing Company, Inc., New York, N. Y. Men's and boys' sport, casual and outdoor shirts. Serial No. 536,645, Nov. 9. Class 39.
Seaside Fisheries Company, Long Beach, Calif. Canned mackerel. Serial Nos. 541,469–70, Nov. 9. Class 46.
Sequoia Citrus Association, Lemon Cove, Calif. Fresh citrus fruits. Serial No. 537,742, Nov. 9. Class 46.
Shapleigh Hardware Company, St. Louis, Mo. Fishlines. Serial No. 530,440, Nov. 9. Class 22.
Shellmar Products Corporation, Chicago, Ill. Low water vapor permeability packaging materials in roll or sheet form. Serial No. 533,931, Nov. 9. Class 37.
Shlansky, Louis, Corporation, New York, N. Y. Junior misses' and misses' coats and suits. Serial No. 539,222, Nov. 9. Class 39.
Shur Gloss Mfg. Co., Chicago, Ill. Cleaning compound. Serial No. 528,522, Nov. 9. Class 4.
Sierra Vista Packing Association, Riverside, Calif. Fresh citrus fruits. Serial No. 536,553, Nov. 9. Class 46.
Simmons Company, New York, N. Y. Mattresses, box springs, coil springs, etc. Serial No. 540,916, Nov. 9. Class 32.
Simmons Company, New York, N. Y. Mattresses, box springs, coil springs, etc. Serial No. 540,929, Nov. 9. Class 32.
Sipe, James B., and Company, Pittsburgh, Pa. Cement. Serial No. 531,386, Nov. 9. Class 5.
Slip-Not Belting Corporation, Kingsport, Tenn. Check straps for looms. Serial No. 529,716, Nov. 9. Class 23.
Smith, Kline & French Laboratories, Philadelphia, Pa. Sulfonamide preparation. Serial No. 551,329, Nov. 9. Class 6.
Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Product having anti-histaminic properties. Serial No. 550,837, Nov. 9. Class 6.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, etc. Serial No. 538,670, Nov. 9. Class 22.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls, badminton rackets, tennis rackets, etc. Serial No. 538,671, Nov. 9. Class 22.
Spill-Stop Manufacturing Co., Chicago, Ill. Bottle closures. Serial No. 527,227, Nov. 9. Class 50.

Sprague Electric Company, North Adams, Mass. Electrical resistors. Serial No. 517,268, Nov. 9. Class 21.
Standard Brands Incorporated, New York, N. Y., assignor to Campbell Soup Company, Camden, N. J. Vegetable juices, catsup and chili sauce. Serial No. 541,346, Nov. 9. Class 46.
Statler Mfg. Co., Chicago, Ill. Toy steering wheel. Serial No. 536,460, Nov. 9. Class 22.
Stauffer Chemical Company, San Francisco, Calif. Sulphur. Serial No. 554,436, Nov. 9. Class 6.
Sterling Plastics Co., Union, N. J. All-in-one desk accessory. Serial No. 534,831, Nov. 9. Class 37.
Sunny State Liquor Company, also doing business as Anchor Liquor Company, Albuquerque, New Mexico. Alcoholic beverages. Serial No. 530,156, Nov. 9. Class 49.
Taylor, Anne, Charlotte, N. C. Christmas stockings, not made for personal wear. Serial No. 524,834, Nov. 9. Class 22.
Toddler Toys: *See*—
Winnick, Raymond M.
Treatment Service and Engineering Company: *See*—
Heal, James H.
Triangle Publications, Inc., Philadelphia, Pa. Broadcasting facsimile editions of a newspaper. Serial No. 528,830, Nov. 9. Class 55.
Trico Products Corporation, Buffalo, N. Y. Pneumatically operated motor vehicle accessories. Serial No. 529,725, Nov. 9. Class 19.
Tulare County Lemon & Grapefruit Association, Porterville, Calif. Fresh citrus fruits. Serial No. 539,918, Nov. 9. Class 46.
Turner, William (Kismet), Limited, Sheffield, England. Gauges. Serial No. 546,892, Nov. 9. Class 26.
Unek Products Co., Inc., Oconomowoc, Wis. Shaving preparation for use before and after shaving. Serial No. 547,498, Nov. 9. Class 4.
Union Pants Manufacturing Company, Bordentown, N. J. Men's, youths' and boys' trousers. Serial No. 519,773, Nov. 9. Class 39.
U. S. Automatic Corporation, Amherst, Ohio. Screw machine products. Serial No. 486,013, Nov. 9. Class 19.
United States Rubber Company, New York, N. Y. Rubber tires. Serial No. 552,617, Nov. 9. Class 35.
Valmor Products Co., Chicago, Ill. Cocoanut oil shampoo, pressing oil, massage cream, etc. Serial No. 531,554, Nov. 9. Class 6.
Vitron Corporation, The, Wilmington, Del. Cements. Serial No. 513,916, Nov. 9. Class 5.
Vogarell Products Company: *See*—
Lewis, Rosemarie.
Walker Vitamin Products, Inc., Mount Vernon, N. Y. Capsules. Serial No. 552,023, Nov. 9. Class 6.
Walss, Walther, Tessin, Switzerland. Toy animals and figures. Serial No. 511,362, Nov. 9. Class 22.
Wilson, C. E., Nurseries, Jacksonville, Tex., and Manchester, Conn. Nursery stock. Serial No. 537,859, Nov. 9. Class 1.
Wilson, H. A., Company, The, Newark, N. J. Thermostatic bimetals. Serial No. 547,085, Nov. 9. Class 14.
Wilson, H. A., Company, The, Newark, N. J. Thermostatic bimetals. Serial Nos. 547,087–8, Nov. 9. Class 14.
Winnick, Raymond M., doing business as Toddler Toys, Bridgeport, Conn. Educational toy. Serial No. 511,193, Nov. 9. Class 22.
Wolwin Chair Company, The, Willoughby, Ohio. Lounge chairs. Serial No. 541,722, Nov. 9. Class 32.
Women's Wear Company: *See*—
Fairchild Publications, Inc.
Woodmark Industries, Inc., Minneapolis, Minn. Roller skates. Serial No. 535,289, Nov. 9. Class 22.
Young, M. M., & Company, Inc., Chicago, Ill. Processed steel coils and slats. Serial No. 536,739, Nov. 9. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

A and Z Chain Company, Providence, R. I. Wrist-watch bracelets, clasps and buckles. 363,336, Dec. 20, 1938. Republished Nov. 9. Class 28.
Abbott Laboratories, North Chicago, Ill. Multiple vitamin preparation. 503,756, Nov. 9; Serial No. 531,572, published Mar. 2, 1948. Class 6.
Adco, Inc.: *See*—
American Disinfecting Company.
Albers Bros. Milling Co., San Francisco, by Albers Milling Company, Oakland, Calif. Cake and pastry flour. 250,884, Dec. 18, 1928. Republished Nov. 9. Class 46.
Albers Milling Company: *See*—
Albers Bros. Milling Co.
Albers Olive Company, Riverside, Calif., by Mawer-Gulden-Annis, Inc., Brooklyn, N. Y. Fruit and olive products. 139,965, Mar. 1, 1921. Republished Nov. 9. Class 46.
American Brake Shoe Company: *See*—
American Brake Shoe & Foundry Company.
American Brake Shoe and Foundry Company, The.
American Forge Company.
More-Jones Brass & Metal Company.
Ramapo Ajax Corporation.
Southern Wheel Company.
American Brake Shoe Company, New York, N. Y. Castings and forgings. 404,752, Dec. 21, 1943. Republished Nov. 9. Class 14.
American Brake Shoe Company, New York, N. Y. Boxes, muffles, pots, etc. 404,754, Dec. 21, 1943. Republished Nov. 9. Class 34.
American Brake Shoe Company, New York, N. Y. Frictional elements. 404,755, Dec. 21, 1943. Republished Nov. 9. Class 35.
American Brake Shoe Company, New York, N. Y. Upset and drop forgings. 404,891–2, Dec. 28, 1943. Republished Nov. 9. Class 14.
American Brake Shoe Company, New York, N. Y. Preformed ferrous reenforcements. 405,790–1, Feb. 22, 1944. Republished Nov. 9. Class 14.
American Brake Shoe Company, New York, N. Y. Apparatus for comparing the speeds of wheels, shafts, etc. 409,919, Oct. 31, 1944. Republished Nov. 9. Class 26.
American Brake Shoe Company, New York, N. Y. Publication issued periodically. 410,102, Nov. 7, 1944. Republished Nov. 9. Class 38.
American Brake Shoe Company, New York, N. Y. Babbitt metal; unfinished cored and solid bars of nonferrous metals; unfinished driving box bearing castings, etc. 419,140, Feb. 5, 1946. Republished Nov. 9. Class 14.
American Brake Shoe and Foundry Company, The: *See*—
Southern Wheel Company.
American Brake Shoe & Foundry Company, The, Wilmington, Del., and New York, N. Y., by American Brake Shoe Company, New York, N. Y. Brake shoes. 204,106, Oct. 6, 1925. Republished Nov. 9. Class 19.
American Brake Shoe and Foundry Company, The, Wilmington, Del., and New York, N. Y., by American Brake Shoe Company, New York, N. Y. Brake shoes. 315,350, July 24, 1934. Republished Nov. 9. Class 19.
American Brake Shoe and Foundry Company, The, by American Brake Shoe Company, New York, N. Y. Gridirons for outdoor use. 362,906, Dec. 6, 1938. Republished Nov. 9. Class 34.
American Brake Shoe and Foundry Company, The, now by change of name American Brake Shoe Company, by American Brake Shoe Company, New York, N. Y. Reenforcing backs for brake shoes. 402,586–7, Aug. 3, 1943. Republished Nov. 9. Class 19.
American Disinfecting Company, to Adco, Inc., Sedalia, Mo. Liquid wax preparation. 252,967, renewed Feb. 19, 1949. O. G. Nov. 9. Class 16.
American Envelope Company, The, West Carrollton, Ohio. Paper envelopes. 345,077, Apr. 13, 1937. Republished Nov. 9. Class 37.
American Felt Company, Glenville, Conn. Felt in the piece. 503,728, Nov. 9; Serial No. 522,883, published Aug. 3, 1948. Class 50.
American Forge Company, Chicago, Ill., by American Brake Shoe Company, New York, N. Y. Upset forgings. 192,921, Dec. 16, 1924. Republished Nov. 9. Class 14.
American Rolling Mill Company, The, Middletown, Ohio, now by change of name Armco Steel Corporation. Corrugated ferrous metal head-walls, arches, back walls, etc. 503,737, Nov. 9; Serial No. 527,663, published July 13, 1948. Class 12.
American Rolling Mill Company, The, Middletown, Ohio, now by change of name Armco Steel Corporation. Ferrous metal guard rails. 503,738, Nov. 9; Serial No. 527,730, published July 13, 1948. Class 12.
American Rolling Mill Company, The, Middletown, Ohio, now by change of name Armco Steel Corporation. Ferrous metal culverts and parts therefor. 503,740, Nov. 9; Serial No. 527,910, published July 27, 1948. Class 12.
American Standard Watch Case Company, Inc., Providence, R. I., and New York, N. Y., to Bulova Watch Company, Inc., New York, N. Y. Wrist or strap watches. 241,738, renewed May 8, 1948. O. G. Nov. 9. Class 27.
American Tissue Mills, Holyoke, Mass. Crepe paper. 227,763, May 17, 1927. Republished Nov. 9. Class 37.
American Tissue Mills, Holyoke, Mass. Waxed, tissue, and crepe paper. 261,118, Sept. 3, 1929. Republished Nov. 9. Class 37.
American Tissue Mills, Holyoke, Mass. Paper napkins. 264,460–1, Nov. 26, 1929. Republished Nov. 9. Class 37.
American Tissue Mills, Holyoke, Mass. Tissue and waxed paper. 264,556, Nov. 26, 1929. Republished Nov. 9. Class 37.

American Tissue Mills, Holyoke, Mass. Paper napkins. 264,557, Nov. 26, 1929. Republished Nov. 9. Class 37.
American Tissue Mills, Holyoke, Mass. Waxed wrapping paper. 271,571, June 10, 1930. Republished Nov. 9. Class 37.
American Tissue Mills, Holyoke, Mass. Crepe, tissue, and toilet paper, and paper napkins, and paper handkerchiefs. 298,873, Nov. 8, 1932. Republished Nov. 9. Class 37.
American Tissue Mills, Holyoke, Mass. Crepe, tissue and waxed paper. 320,722, Jan. 8, 1935. Republished Nov. 9. Class 37.
American Varnish Company, The, Chicago, Ill. Linoleum lacquer. 427,124, Jan. 28, 1947. Republished Nov. 9. Class 16.
Andersen Corporation, Bayport, Minn. Metal weather strips. 362,372, Nov. 15, 1938. Republished Nov. 9. Class 12.
Anderson, Arnold F.: *See*—
Flamhaft, Harry.
Anderson, D. J., Inc., Madison, Conn. Unfitted tool boxes. 441,288, Nov. 9; Serial No. 525,528, published Aug. 3, 1948. Class 2.
Anderson, William T., Indianapolis, Ind. Centrifugal casting machines. 422,657, Aug. 6, 1946. Republished Nov. 9. Class 23.
Arden, Elizabeth, Inc., to Elizabeth Arden Sales Corporation, New York, N. Y. Perfume, toilet water, skin creams, etc. 249,444, renewed Nov. 13, 1948. O. G. Nov. 9. Class 6.
Arden, Elizabeth, Sales Corporation: *See*—
Arden, Elizabeth, Inc.
Armco Steel Corporation: *See*—
American Rolling Mill Company, The.
Arundel Corporation, The, Baltimore, Md. Sand, gravel, rough stone and commercial slag. 503,824, Nov. 9; Serial No. 520,250. Class 1.
Atalanta Trading Corp., New York, N. Y. Cheese. 503,826, Nov. 9; Serial No. 521,426. Class 46.
Atkins & Durbrow, Inc.: *See*—
Durbrow, Walter.
Atkins & Durbrow, Inc., New York, N. Y. Moss peat. 294,771, June 7, 1932. Republished Nov. 9. Class 1.
Atkins & Durbrow, Inc., New York, N. Y. Combination fertilizer and soil conditioner. 417,642, Nov. 6, 1945. Republished Nov. 9. Class 10.
Baltimore & Ohio Railroad Company, The, Baltimore, Md. Railroad passenger and freight transportation service. 503,804, Nov. 9; Serial No. 532,996, published Aug. 17, 1948. Class 55.
Band-It Company, Denver, Colo. Industrial pressure clamps and parts thereof. 441,272, Nov. 9; Serial No. 518,650, published July 27, 1948. Class 13.
Barber, W. H., Company, Minneapolis, Minn. Lubricating oils and greases. 503,759, Nov. 9; Serial No. 532,201, published Aug. 3, 1948. Class 15.
Barker, Jimmie, Hollywood, Calif. Seasoning preparation. 503,825, Nov. 9; Serial No. 521,107. Class 46.
Barrell, William L., Company, New York, N. Y. Cotton wool and rayon piece goods. 336,367, July 7, 1936. Republished Nov. 9. Class 42.
Barrell, William L., Company, Inc.: *See*—
Barrell, William L., Co. of New York.
Eastern Finishing Works, Inc.
Barrell, William L., Company, Inc., New York, N. Y. Cotton and woolen, and combinations thereof in the piece. 356,609, May 3, 1938. Republished Nov. 9. Class 42.
Barrell, William L., Company, Inc., New York, N. Y. Gabardine in the piece. 364,831, Feb. 14, 1939. Republished Nov. 9. Class 42.
Barrell, William L., Co. of New York, Inc., by William L. Barrell Company, Inc., New York, N. Y. Cotton duck in the piece. 230,307, July 19, 1927. Republished Nov. 9. Class 42.
Bates, C. J., & Son, Chester, Conn. Crochet hooks and knitting needles. 429,398, Apr. 29, 1947. Republished Nov. 9. Class 40.
Bates, C. J., & Son, Chester, Conn. Crochet hooks and knitting needles. 430,028, June 3, 1947. Republished Nov. 9. Class 40.
Bathasweet Corporation, New York, N. Y. Water softener, talcum powder, cologne, and bath oil. 503,799, Nov. 9; Serial No. 549,046, published Aug. 10, 1948. Class 6.
Bear Brand Hosiery Co.: *See*—
Paramount Knitting Company, The.
Bear Brand Hosiery Co., Chicago, Ill. Textile articles. 213,421, May 25, 1926. Republished Nov. 9. Class 39.
Bear Brand Hosiery Co., Chicago, Ill. Textile articles. 216,878, Aug. 24, 1926. Republished Nov. 9. Class 39.
Bear Hybrids Corn Co., Decatur, Ill. Hybrid seed. 503,710, Nov. 9; Serial No. 493,424, published Aug. 10, 1948. Class 1.
Bear Lithia Springs Co., by Great Bear Spring Company, New York, N. Y. Non-alcoholic beverages or soft drinks. 136,315, Nov. 2, 1920. Republished Nov. 9. Class 45.
Beau Brummell Ties, Inc.: *See*—
Weisbaum Bros., Brower Company, The.
Beau Brummell Ties, Inc., Toiletries Div., Cincinnati, Ohio. Personal use deodorants, after shave lotions, hair dressing, etc. 421,954, June 25, 1946. Republished Nov. 9. Class 6.
Beau Products Co.: *See*—
Coxon, Newell E.
Beauty Counselors, Inc., Detroit, Mich. Face creams, face powders, hand, skin and face lotions, etc. 386,217, Apr. 1, 1941. Republished Nov. 9. Class 6.
Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, installment loan and instalment credit business. 503,803, Nov. 9; Serial No. 527,270, published July 13, 1948. Class 55.
Benson Fish Company, Chicago, Ill. Canned salmon and shrimp. 294,427, May 24, 1932. Republished Nov. 9. Class 46.
Berger Brothers Company, The, New Haven, Conn. Corsets, girdles, and brassières. 406,581, Apr. 11, 1944. Republished Nov. 9. Class 39.
Berne Manufacturing Company, by Winner, Inc., Berne, Ind. Children's and young people's cotton, wool, rubber, and leather wearing apparel. 339,760, Oct. 20, 1936. Republished Nov. 9. Class 39.
Bio-Medical Instrument Co.: *See*—
Fröhring, William O.
Bird-Archer Company, The, New York, N. Y. Cement product. 315,338, July 24, 1934. Republished Nov. 9. Class 12.
Blackhawk Mfg. Co., Milwaukee, Wis. Wrenches. 292,433, Mar. 15, 1932. Republished Nov. 9. Class 23.
Blanke-Baer Extract & Preserving Company, St. Louis, Mo. 503,802, Nov. 9. Food colorings, Serial No. 527,442, published Jan. 13, 1948. Class 6; flavoring extracts and fountain syrups, Serial No. 527,416, published Mar. 2, 1948. Class 45; jam, marmalade, fruit butters, fruit preserves, etc., Serial No. 527,351, published Jan. 27, 1948. Class 46. (Consolidated certificate, Classes 6, 45, and 46.)
Boland Manufacturing Company: *See*—
Boland, Stanley V.
Boland Mfg. Co., assignee: *See*—
Boland, Stanley V.
Boland, Stanley V., doing business as Boland Manufacturing Company, Chicago, Ill., assignor to Boland Mfg. Co., Winona, Minn. Window curtains, window draperies and crib sheets. 441,239, Nov. 9; Serial No. 487,305, published July 27, 1948. Class 42.
Bolser Corporation, The, Cedar Falls, Iowa. Electric clearance lights, marker lights, direction lights, etc. 364,182, Jan. 24, 1939. Republished Nov. 9. Class 21.
Bolser Corporation, The, Cedar Falls, Iowa. Fusees. 381,487, Sept. 24, 1940. Republished Nov. 9. Class 9.
Bond, Judy, Inc., New York, N. Y. Ladies' blouses. 503,780, Nov. 9; Serial No. 538,236, published July 20, 1948. Class 39.
Booth, F. E., Co., by F. E. Booth Company, Inc., San Francisco, Calif. Canned fruits, canned vegetables and canned sardines. 232,274, Sept. 6, 1927. Republished Nov. 9. Class 46.
Booth, F. E., Company, Inc.: *See*—
Booth, F. E., Co.
Boott Mills, Lowell, Mass. Curtains. 270,615, May 13, 1930. Republished Nov. 9. Class 42.
Boston Wire Stitcher Company, Stonington, Conn. Staples. 226,587, Apr. 12, 1927. Republished Nov. 9. Class 13.
Boulin Instrument Corporation, New York, N. Y. Stroboscopic tachometers. 503,768, Nov. 9; Serial No. 535,468, published July 20, 1948. Class 26.
Bragg, Paul C., doing business as Live Food Products Co., Burbank, Calif. Vitamin products and a bulk laxative preparation. 503,774, Nov. 9; Serial No. 536,871, published Aug. 10, 1948. Class 6.
Breese Corporations, Inc., Newark, N. J. Flexible metallic conduit. 246,543, renewed Sept. 11, 1948. O. G. Nov. 9. Class 21.
Builders Iron Foundry, Providence, R. I. Fluid meters and instruments. 423,561, Sept. 3, 1946. Republished Nov. 9. Class 26.
Bulova Watch Company, Inc.: *See*—
American Standard Watch Case Company, Inc.
Bulova Watch Company, Inc., New York, N. Y. Watches. 431,492, July 22, 1947. Republished Nov. 9. Class 27.
Bundy Tubing Company, Detroit, Mich. Metal tubing and shaped metal tube lengths. 503,732, Nov. 9; Serial No. 526,717, published Aug. 3, 1948. Class 13.
Burnett, Robert M., to Deerfoot Farms Company, Southboro, Mass. Pork, sausages, hams, etc. 32,076, renewed Oct. 18, 1948. O. G. Nov. 9. Class 46.
Burpee, W. Atlee, Company, assignee: *See*—
Maule, Wm. Henry, Co.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicinal preparation. 503,747, Nov. 9; Serial No. 529,140, published July 27, 1948. Class 6.
C. & M. Rug Company, Tuscaloosa, Ala. Cotton rugs. 503,775, Nov. 9; Serial No. 537,001, published July 20, 1948. Class 42.
Cable Raincoat Company, Boston, Mass. Men's, women's and children's raincoats. 503,834, Nov. 9; Serial No. 532,906. Class 39.
Caddo Products Company, Bossier City, La. Cream hand cleaner. 503,801, Nov. 9; Serial No. 550,993, published Aug. 3, 1948. Class 4.
California Marine Curing & Packing Co., Terminal Island, Calif. Canned fish. 386,122, Mar. 25, 1941. Republished Nov. 9. Class 46.

Calotabs Company, Atlanta, Ga. Laxative. 503,798, Nov. 9; Serial No. 548,926, published Aug. 10, 1948. Class 6.
Campbell's Creek Coal Co., The, Cincinnati, Ohio and Dana, W. Va. Coal. 222,440, Jan. 4, 1927. Republished Nov. 9. Class 1.
Carter, Macy Company, Inc.: *See*—
Carter Macy Tea & Coffee Co., Inc.
Carter Macy Tea & Coffee Co., Inc., by Carter, Macy Company, Inc., New York, N. Y. Tea. 313,361, May 29, 1934. Republished Nov. 9. Class 46.
Case, W. R., & Sons Cutlery Company, Bradford, Pa. Knives and forks, individual sets of carving knives and forks, etc. 503,808, Nov. 9; Serial No. 506,425. Class 23.
Castello, Anthony, doing business as Castello Packing Company, New York, N. Y. Olive oil and a blend of peanut oil and olive oil used for salad and cooking purposes. 441,290, Nov. 9; Serial No. 517,701. Class 46.
Castello Packing Company: *See*—
Castello, Anthony.
Cattaraugus Cutlery Co., Little Valley, N. Y. Pocket-knives, table knives and forks, shears, etc. 72,060, Dec. 29, 1908. Republished Nov. 9. Class 23.
Cavalier Corporation, Chattanooga, Tenn. Combination desk and chest. 433,319, Oct. 7, 1947. Republished Nov. 9. Class 32.
Chebra, Inc., New York, N. Y. Lip sticks. 503,727, Nov. 9; Serial No. 522,622, published Aug. 10, 1948. Class 6.
Chemical Research Products, Inc., East Rutherford, N. J. Insect repellent and preparation. 441,265, Nov. 9; Serial No. 512,640, published Aug. 10, 1948. Class 6.
Chicago Faucet Company, The, Chicago, Ill. Faucets and parts thereof. 503,711, Nov. 9; Serial No. 494,027, published July 27, 1948. Class 13.
Chicago Mill and Lumber Company, by Chicago Mill and Lumber Company, Chicago, Ill. Printed monthly magazine. 135,944, Oct. 26, 1920. Republished Nov. 9. Class 38.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 372,460, Oct. 31, 1939. Republished Nov. 9. Class 38.
Church & Dwight Co., Inc., New York, N. Y. Bicarbonate of soda (baking soda). 503,733, Nov. 9; Serial No. 526,783, published Aug. 3, 1948. Class 4.
Churngold Corporation, The, Cincinnati, Ohio. Oleomargarine. 369,031, July 11, 1939. Republished Nov. 9. Class 46.
Churngold Corporation, The, Cincinnati, Ohio. Oleomargarine. 375,796, Feb. 27, 1940. Republished Nov. 9. Class 46.
Churngold Corporation, The, Cincinnati, Ohio. Oleomargarine. 378,491, June 11, 1940. Republished Nov. 9. Class 46.
Churngold Corporation, The, Cincinnati, Ohio. Salad dressing. 426,638, Jan. 7, 1947. Republished Nov. 9. Class 46.
Ciba Pharmaceutical Products, Inc., Summit, N. J. Preparations containing active hormonal compounds in the form of tablets, etc. 503,794–5, Nov. 9; Serial Nos. 545,952–3, published July 27, 1948. Class 6.
Cinderella Washing Machine Company, The, Cleveland, Ohio, by Lake State Products, Inc., Jackson, Mich. Clothes-washing machines. 262,786, Oct. 22, 1929. Republished Nov. 9. Class 24.
Clark, Harry H., New York, N. Y. Sandwiches. 245,587, renewed Aug. 14, 1948. O. G. Nov. 9. Class 46.
Clean Sweep Co., The, Lansing, Mich. Chemical compound. 441,244, Nov. 9; Serial No. 497,845, published Aug. 10, 1948. Class 6.
Clemente, Lorenzo, doing business as Yolanda Packing Company, by Yolanda Packing Company, Los Angeles, Calif. Canned alimentary paste products. 254,386, Mar. 26, 1929. Republished Nov. 9. Class 46.
Cleveland City Forge Company, Cleveland, Ohio. Hand tools. 286,792, Sept. 1, 1931. Republished Nov. 9. Class 23.
Cleveland Provision Company: *See*—
Lake Erie Provision Company, The.
Cleveland Provision Company, The, Cleveland, Ohio. Ham, bacon, sausage, etc. 279,245, Jan. 13, 1931. Republished Nov. 9. Class 46.
Cleveland Provision Company, The, Cleveland, Ohio. Ham, bacon, sausage, etc. 283,774, June 9, 1931. Republished Nov. 9. Class 46.
Club Aluminum Products Co., Chicago, Ill. Base metal cooking and table hollow ware. 441,242, Nov. 9; Serial No. 495,272, published Feb. 10, 1948. Class 13.
Club Razor & Blade Mfg. Corp., Newark, N. J. Razor blades. 380,100, Aug. 6, 1940. Republished Nov. 9. Class 23.
Clyde Porcelain Steel Corporation: *See*—
Porcelain Tile Company.
Cochran, Jacqueline, doing business as Jacqueline Cochran Beauty Salon, and J. C. Laboratories, Chicago, Ill., and Roselle, N. J., by Jacqueline Cochran, Indio, Calif., assignor to Jacqueline Cochran, Inc., Newark, N. J. Cosmetics and beauty preparations. 343,838, Mar. 9, 1937. Republished Nov. 9. Class 6.
Cochran, Jacqueline, Beauty Salon: *See*—
Cochran, Jacqueline.
Cochran, Jacqueline, Inc.: *See*——
Cochran, Jacqueline.
Codo Manufacturing Corporation, Cornopolis, Pa., and Chicago, Ill. Typewriter ribbons and carbon paper. 410,438, Nov. 28, 1944. Republished Nov. 9. Class 11.
"Coffe-Cola Mfg. Co.": *See*—
Mlodzikowski, Frank A.
Cohen, Clarence H.: *See*—
Lippman, Florence V.
Colit Laboratories: *See*—
Nazaroff, Alexander.
Colonial Molasses Co., Inc.: *See*—
Colonial Molasses Co. Inc.
Colonial Molasses Co. Inc., Brooklyn, N. Y., to Colonial Molasses Co., Inc., Jersey City, N. J. Molasses and honey. 253,520, renewed Feb. 26, 1949. O. G. Nov. 9. Class 46.
Comey, R. H., Companies Consolidated, to R. H. Comey Company, Inc., Brooklyn, N. Y. Dyed and bleached braids. 245,919, renewed Aug. 28, 1948. O. G. Nov. 9. Class 40.
Comey, R. H., Companies Consolidated, to R. H. Comey Company, Inc., Brooklyn, N. Y. Straw braid. 245,995, renewed Aug. 28, 1948. O. G. Nov. 9. Class 40.
Comey, R. H., Company, Inc.: *See*—
Comey, R. H., Companies Consolidated.
Compañia Industrial Tabacalera, S. A., Habana, Cuba. Cigars. 441,240, Nov. 9; Serial No. 489,205, published Aug. 10, 1948. Class 17.
Compton, W. E., doing business as Arthur James, to T. Hessin & Co. (Needles & Fish Hooks) Ltd., Redditch, Worcestershire, England. Fish-hooks. 65,988, re-renewed Nov. 5, 1947. O. G. Nov. 9. Class 22.
Consolidated Flour Mills Company, The, Wichita, Kans. Petroleum products. 503,762, Nov. 9; Serial No. 533,147, published Aug. 3, 1948. Class 15.
Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 251,317, renewed Jan. 1, 1949. O. G. Nov. 9. Class 39.
Continental Baking Company, Wilmington, Del., and New York, N. Y. Cake. 247,986, renewed Oct. 9, 1948. O. G. Nov. 9. Class 46.
Continental-Diamond Fibre Company: *See*—
Diamond State Fibre Company.
Fibroc Insulation Company.
Continental Distilling Corporation: *See*—
Kelly, Henry, & Sons, Incorporated.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 316,670, Sept. 4, 1934. Republished Nov. 9. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,136, Jan. 22, 1935. Republished Nov. 9. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,214, Jan. 22, 1935. Republished Nov. 9. Class 49.
Continental Optical Company, Indianapolis, Ind. Reading glasses. 503,766, Nov. 9; Serial No. 534,753, published July 20, 1948. Class 26.
Conway Import Co., Inc., Long Island City, N. Y. Salad oil, olive oil, cotton-seed oil, etc. 363,419, Dec. 27, 1938. Republished Nov. 9. Class 46.
Cook Electric Company, Chicago, Ill. Bellows of metal. 503,715, Nov. 9; Serial No. 508,894, published July 27, 1948. Class 13.
Cooperative Seed and Farm Supply Service, Inc., Richmond, Va. Bottled gas. 503,723, Nov. 9; Serial No. 519,515, published July 27, 1948. Class 6.
Copper Tan, Inc., assignee of C. Maclevy, doing business as Copper Tan Mfg. Co., New York, N. Y. Sun-tan cream and sun-tan oil. 503,807, Nov. 9; Serial No. 502,524. Class 6.
Copper Tan Mfg. Co.: *See*—
Copper Tan, Inc.
Cosmet Company, Minneapolis, Minn. Spectacles and eyeglasses and lenses. 503,772, Nov. 9; Serial No. 535,819, published July 20, 1948. Class 26.
Coxon, Newell E., doing business as Beau Products Co., Penbrook, Harrisburg, Pa. Shoes. 503,821, Nov. 9; Serial No. 519,863. Class 39.
Curvfit Razor Company, Inc., New York, N. Y., by Curvfit Sales Corporation, Stamford, Conn. Razors. 205,305, Nov. 3, 1925. Republished Nov. 9. Class 23.
Curvfit Sales Corporation: *See*—
Curvfit Razor Company, Inc.
Dalton Foundries, Inc., The, Warsaw, Ind. Automobile accessories. 223,786, Feb. 8, 1927. Republished Nov. 9. Class 23.
Darling Pump & Mfg. Co. Limited, The, by Darling Valve & Manufacturing Company, Williamsport, Pa. Composition packing. 73,160, Mar. 23, 1909. Republished Nov. 9. Class 35.
Darling Valve & Manufacturing Company: *See*—
Darling Pump & Mfg. Co. Limited, The.
Davisbilt Steel Joist, Inc., Washington, D. C. Metal joists. 503,812, Nov. 9; Serial No. 512,110. Class 12.
Davis, Bryan, Publishing Company, Inc., New York, N. Y. Periodical publications. 352,635, Jan. 11, 1938. Republished Nov. 9. Class 38.
Dawson, Peter, Dufftown, by Peter Dawson Limited, Glasgow, Scotland. Scotch whisky. 40,916, Aug. 11, 1903. Republished Nov. 9. Class 49.
Dawson, Peter, Limited: *See*—
Dawson, Peter.
Dawson, Peter, Ltd.

Dawson, Peter, Ltd., Dufftown and Glasgow, by Peter Dawson Limited, Glasgow, Scotland. Whisky. 97,218, May 26, 1914. Republished Nov. 9. Class 49.
Dawson, Peter, Limited, Glasgow, Scotland. Whisky. 97,684, June 16, 1914. Republished Nov. 9. Class 49.
Deerfoot Farms Company: *See*—
Burnett, Robert M.
Deister Concentrator Company, The, Fort Wayne, Ind. Vibrating screens and concentrating tables. 251,824, renewed Jan. 15, 1949. O. G. Nov. 9. Class 23.
Dental Digest, Inc.: *See*—
Dentists' Supply Company of New York, The.
Dentists' Supply Company of New York, The, New York, N. Y., by Dental Digest, Inc., Pittsburgh, Pa. Publications on dentistry. 292,812, Mar. 29, 1932. Republished Nov. 9. Class 38.
Dentur-Eze, Inc.: *See*—
Gray, A. A.
De Pree Company, The, Holland, Mich. Antacid powder. 503,789, Nov. 9; Serial No. 542,633, published Aug. 10, 1948. Class 6.
Detroit-Michigan Stove Company: *See*—
Detroit Stove Works.
Detroit Stove Works, to Detroit-Michigan Stove Company, Detroit, Mich. Heating and cooking stoves, furnaces and ranges and parts thereof. 70,366, re-renewed Aug. 25, 1948. O. G. Nov. 9. Class 34.
Dewar, John, & Sons Limited, Perth, Scotland, and London, England. Whisky. 300,774, Feb. 7, 1933. Republished Nov. 9. Class 49.
Dey & Prest, Freehold, N. J. Peanut brittle. 503,830, Nov. 9; Serial No. 529,369. Class 46.
Diamond State Fibre Company, Elsmere, by Continental-Diamond Fibre Company, Newark, Del. Goods made of vulcanized fiber for electrical purposes. 93,267, Sept. 2, 1913. Republished Nov. 9. Class 21.
Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Pa., by Continental-Diamond Fibre Company, Newark, Del. Laminated phenolic condensation product. 179,668, Feb. 12, 1924. Republished Nov. 9. Class 1.
Dill Manufacturing Company, The, Cleveland, Ohio. Pneumatic tire valve stems, pneumatic tire valves, valve cores, etc. 503,752, Nov. 9; Serial No. 529,971, published Aug. 3, 1948. Class 13.
Ditto, Incorporated, Chicago, Ill. Paper for stationery use. 250,843, Dec. 18, 1928. Republished Nov. 9. Class 37.
Ditto, Incorporated, Chicago, Ill. Coated papers. 343,661, Mar. 2, 1937. Republished Nov. 9. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Refractory bricks, blocks, and shapes, etc. 441,263, Nov. 9; Serial No. 511,800, published July 13, 1948. Class 12.
Doerman & Herbst Shoe Mfg. Co., by Doerman Shoe Mfg. Co., South Milwaukee, Wis. Leather shoes. 183,412, Apr. 29, 1924. Republished Nov. 9. Class 39.
Doerman-Leiser Shoe Mfg. Co., by change of name Doerman Shoe Mfg. Co., by Doerman Shoe Mfg. Co., South Milwaukee, Wis. Leather shoes. 218,244, Sept. 21, 1926. Republished Nov. 9. Class 39.
Doerman Shoe Mfg. Co.: *See*—
Doerman & Herbst Shoe Mfg. Co.
Doerman-Leiser Shoe Mfg. Co.
Doud Milling Company, Manning, to Doud Milling Company, Denison, Iowa. Wheat flour, breakfast cereal, pancake flour. 250,091, renewed Nov. 27, 1948. O. G. Nov. 9. Class 46.
Doxakis, Anest, Haynesville, La., to A. Doxakis, Houston, Tex. Medicinal preparation. 249,128, renewed Nov. 6, 1948. O. G. Nov. 9. Class 6.
Drake, L. F., Mercedes, Tex. Canned citrus fruit juices. 370,712, Sept. 5, 1939. Republished Nov. 9. Class 46.
Dromona & Maine Limited, Cullybackey, Northern Ireland. Cotton and linen piece goods. 424,973, Oct. 29, 1946. Republished Nov. 9. Class 42.
Dumor Plastics Inc., Atco, N. J. Thermoplastic molding composition. 503,779, Nov. 9; Serial No. 537,791, published Aug. 3, 1948. Class 1.
Du Pont, E. L., de Nemours Powder Company, assignee: *See*—
Laflin & Rand Powder Company.
Durbrow, Walter, by Atkins & Durbrow, Inc., New York, N. Y. Poultry litter. 89,449, Dec. 17, 1912. Republished Nov. 9. Class 1.
Durham-Enders Razor Corporation, assignee: *See*—
Ingersoll Stropper Co.
Eastern Finishing Works, Inc., Kenyon, R. I., by William L. Barrell Company, Inc., New York, N. Y. Waterproof textile fabrics. 127,225, Oct. 28, 1919. Republished Nov. 9. Class 42.
Eastern Finishing Works, Inc., Kenyon, R. I., by William L. Barrell Company, Inc., New York, N. Y. Waterproof textile fabrics. 127,734, Dec. 2, 1919. Republished Nov. 9. Class 42.
East Haven Stove Bright Co.: *See*—
Montesanto, Pasquale.
Eberhard Faber, New York, by Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils. 66,350–61, Nov. 26, 1907. Republished Nov. 9. Class 37.
Eberhard Faber, New York, by Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils and rubber erasers. 66,363, Nov. 26, 1907. Republished Nov. 9. Class 37.
Eberhard Faber, New York, by Eberhard Faber Pencil Company, Brooklyn, N. Y. Steel polisher of abrasive rubber. 72,746, Feb. 16, 1909. Republished Nov. 9. Class 4.
Eberhard Faber Pencil Company: *See*—
Eberhard Faber.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils. 200,532, July 7, 1925. Republished Nov. 9. Class 37.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils and rubber erasers. 202,328, Aug. 18, 1925. Republished Nov. 9. Class 37.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Pencils. 311,169, Mar. 13, 1934. Republished Nov. 9. Class 37.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils. 329,700, Nov. 5, 1935. Republished Nov. 9. Class 37.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Fountain pens and parts thereof. 348,621, Aug. 3, 1937. Republished Nov. 9. Class 37.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Rubber erasers. 349,376, Aug. 24, 1937. Republished Nov. 9. Class 37.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils. 381,076, Sept. 10, 1940. Republished Nov. 9. Class 37.
Econite, Incorporated, assignee: *See*—
Evans Chemical Corporation.
Edmont Manufacturing Company, Coshocton, Ohio. Gloves and mittens. 334,815, May 12, 1936. Republished Nov. 9. Class 39.
Edmont Manufacturing Company, Coshocton, Ohio. Gloves. 360,349, Sept. 13, 1938. Republished Nov. 9. Class 39.
Ehrhart-Conrad Company, Hanover, Pa. Table syrups, canned vegetables, canned fruits, etc. 503,725, Nov. 9; Serial No. 521,004, published Aug. 10, 1948. Class 46.
Elder Manufacturing Company, St. Louis, Mo. Men's and boys' dress and negligee shirts and boys' blouses. 253,013–15, renewed Feb. 19, 1949. O. G. Nov. 9. Class 39.
Electrographic Corporation, New York, N. Y. Machinery for securing thin metallic printing plates. 396,131, June 30, 1942. Republished Nov. 9. Class 23.
Electrographic Corporation, New York, N. Y. Thin metallic printing plates. 397,333, Sept. 1, 1942. Republished Nov. 9. Class 50.
Ellicott Machine Corporation: *See*—
Ellicott Machine Corporation, The.
Ellicott Machine Corporation, The, by Ellicott Machine Corporation, Baltimore, Md. Base metal alloys. 182,112, Apr. 1, 1924. Republished Nov. 9. Class 14.
Empire Varnish Company, The, Cleveland, Ohio. Liquid chemical waterproofing compound. 503,717, Nov. 9; Serial No. 512,901, published Aug. 3, 1948. Class 6.
Engebretson-Grupe Co., by K. L. Engebretson, Los Angeles, Calif. Fresh citrus fruits and fresh vegetables. 386,490, Apr. 15, 1941. Republished Nov. 9. Class 46.
Engebretson, K. L.: *See*—
Engebretson-Grupe Co.
Esleeck Mfg. Co., Turners Falls, Mass. Onion-skin paper. 143,598, June 7, 1921. Republished Nov. 9. Class 37.
Esleeck Manufacturing Co., Turners Falls, Mass. Manifold paper. 178,562, Jan. 15, 1924. Republished Nov. 9. Class 37.
Evans Chemical Corporation, assignor to Econite, Incorporated, Detroit, Mich. Plastic filler. 441,236, Nov. 9; Serial No. 482,792, published July 20, 1948. Class 12.
Eveready Canvas Corporation, New York, N. Y. Tents, window awnings, porch awnings, etc. 503,744, Nov. 9; Serial No. 528,615, published July 27, 1948. Class 50.
Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. 503,829, Nov. 9; Serial No. 529,246. Class 22.
Exhibit Supply Company, Chicago, Ill. A coin-controlled amusement apparatus. 503,831, Nov. 9; Serial No. 529,974. Class 22.
Eye In The Sky, Jacksonville, Fla. Cameras. 388,435, June 24, 1941. Republished Nov. 9. Class 26.
F. & F. Felger, Inc., Newark, N. J. Jewelry. 249,652, renewed Nov. 20, 1948. O. G. Nov. 9. Class 28.
Fabreeka Belting Company, by Fabreeka Products Company, Boston, Mass. Belting. 138,447, Dec. 28, 1920. Republished Nov. 9. Class 35.
Fabreeka Products Company: *See*—
Fabreeka Belting Company.
Farr Company, Los Angeles, Calif. Air filter panels. 420,825, May 7, 1946. Republished Nov. 9. Class 31.
Fast Flight Company, The, Detroit, Mich. Preparation in powdered form for administration to and application to racing and homing pigeons, poultry, fowl, etc. 441,258, Nov. 9; Serial No. 508,840, published Aug. 10, 1948. Class 6.
Federal Manufacturing and Engineering Corp., Brooklyn, N. Y. Shutters for photographic cameras. 441,270, Nov. 9; Serial No. 517,568, published Aug. 3, 1948. Class 26.

Felt and Tarrant Manufacturing Company, Chicago, Ill. Periodical. 249,028, renewed Nov. 6, 1948. O. G. Nov. 9. Class 38.

Fibroc Insulation Company, Valparaiso, Ind., by Continental-Diamond Fibre Company, Newark, Del. Insulating compounds. 148,649, Nov. 22, 1921. Republished Nov. 9. Class 21.

Fidelity Chemical Corporation, Houston, Tex. Complete mixed fertilizer. 390,192, Sept. 9, 1941. Republished Nov. 9. Class 10.

Fischer & Porter Company, Hatboro, Pa. Fluid flow indicating and recording instruments. 503,719–21, Nov. 9; Serial Nos. 513,817–18, published July 27, 1948. Class 26.

Fisher Brothers Company, The, Cleveland, Ohio. Coffee. 242,263, May 22, 1928. Republished Nov. 9. Class 46.

Fisher Brothers Company, The, Cleveland, Ohio. Coffee. 261,736, Sept. 24, 1929. Republished Nov. 9. Class 46.

Fisher Brothers Company, The, Cleveland, Ohio. Butter. 293,921, May 10, 1932. Republished Nov. 9. Class 46.

Fisher Brothers Company, The, Cleveland, Ohio. Coffee and tea. 298,397, Oct. 25, 1932. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Seattle, Wash. Wheat flour. 82,688, July 18, 1911. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 88,258–9, Sept. 10, 1912. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 88,260–1, Sept. 10, 1912. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 90,184–6, Feb. 11, 1913. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 90,316–17, Feb. 18, 1913. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 90,977, Apr. 8, 1913. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Seattle, Wash. Wheat flour. 92,330, July 1, 1913. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 97,047, May 19, 1914. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 105,050–1, July 6, 1915. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 105,195, July 13, 1915. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 109,317, Mar. 28, 1916. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 118,465, Sept. 11, 1917. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Stock feed. 124,827, Mar. 18, 1919. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Dairy feed. 125,568, May 27, 1919. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 144,765, July 19, 1921. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 145,665, Aug. 16, 1921. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 162,751, Dec. 26, 1922. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 181,273–4, Mar. 18, 1924. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour and breakfast cereals. 197,681, Apr. 21, 1925. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 208,254, Jan. 26, 1926. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 225,845, Mar. 29, 1927. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 227,757, May 17, 1927. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 229,157, June 21, 1927. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 246,584, Sept. 11, 1928. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 263,296–7, Nov. 5, 1929. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 297,975, Oct. 4, 1932. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour, biscuit flour, pancake flour, etc. 297,977–8, Oct. 4, 1932. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Cereal product. 321,600, Feb. 5, 1935. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 351,703–5, Nov. 2, 1937. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat product. 370,586–7, Aug. 29, 1939. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat product. 370,589, Aug. 29, 1939. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 372,474–80, Oct. 31, 1939. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Bread. 373,535, Dec. 12, 1939. Republished Nov. 9. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 401,792, June 8, 1943. Republished Nov. 9. Class 46.

Fisher Governor Company, Marshalltown, Iowa. Spring controlled valves. 394,809, Apr. 28, 1942. Republished Nov. 9. Class 13.

Fisher Governor Company, Marshalltown, Iowa. Liquid level responsive pressure actuated pilot mechanism for valves. 398,790, Nov. 24, 1942. Republished Nov. 9. Class 13.

Fisher Governor Company, Marshalltown, Iowa. Constant pressure pump governors; excess or differential pump governors; boiler gas fuel governors, etc. 418,084, Dec. 4, 1945. Republished Nov. 9. Classes 13, 23, 31 and 34.

Fiske Brothers Refining Co., Newark, N. J. Lubricating oils and greases. 503,750, Nov. 9; Serial No. 529,447, published Aug. 3, 1948. Class 15.

Fiske Brothers Refining Co., Newark, N. J. Lubricating oils and greases. 503,753, Nov. 9; Serial No. 529,975, published Aug. 3, 1948. Class 15.

Fiske, Inc., Waltham, Mass. Flame coloring material. 441,249, Nov. 9; Serial No. 507,312, published Aug. 10, 1948. Class 6.

Flamhaft, Harry, doing business as Roubechez Import Co., to A. F. Anderson, New York, N. Y. Natural and synthetic oils. 252,730, renewed Feb. 12, 1949. O. G. Nov. 9. Class 6.

Floral Service: *See*—
Walker, Clarence H., Jr.

Florida Fruit Canners, Inc., by L. Maxcy, Inc., Frostproof, Fla. Canned grapefruit. 249,236, Nov. 13, 1928. Republished Nov. 9. Class 46.

Flory Milling Company, Inc., Bangor, Pa. Scratch feed and laying mash. 388,265, June 17, 1941. Republished Nov. 9. Class 46.

Food Display Cover Company, Inc., Indianapolis, Ind. Canopies for bassinettes. 398,521, Nov. 3, 1942. Republished Nov. 9. Class 32.

Food Materials Corporation, Chicago, Ill. Dyes. 247,574, renewed Oct. 2, 1948. O. G. Nov. 9. Class 6.

Fort Smith Cotton Oil Co., Fort Smith, Ark. Prepared fertilizer. 340,427, Nov. 10, 1936. Republished Nov. 9. Class 10.

Fort Smith Cotton Oil Co., Fort Smith, Ark. Horse and mule feed. 406,853, May 2, 1944. Republished Nov. 9. Class 46.

Frankenthal Company: *See*—
Frankenthal, H.

Frankenthal, H., doing business as Frankenthal Company, Weslaco, Tex., and Sanger, Calif., by Justman-Frankenthal Co., New York, N. Y. Fresh fruits. 369,755, Aug. 1, 1939. Republished Nov. 9. Class 46.

Frankenthal, H., doing business as Frankenthal Company, Weslaco, Tex., and Sanger, Calif., by Justman-Frankenthal Co., New York, N. Y. Fresh vegetables and fresh grapes. 389,152, July 29, 1941. Republished Nov. 9. Class 46.

Franklin, Daisy, Jacksonville, Fla. Hair-growing preparations. 127,832, Dec. 9, 1919. Republished Nov. 9. Class 6.

Frohring, William O., doing business as Bio-Medical Instrument Co., Chagrin Falls, Ohio. Instruments for quantitatively determining the sensitivity of any portion of the human body. 430,626, June 17, 1947. Republished Nov. 9. Class 26.

Fruitvale Canning Company, Oakland, Calif. Canned fruits and canned vegetables. 375,941, Mar. 5, 1940. Republished Nov. 9. Class 46.

Fruitvale Canning Company, Oakland, Calif. Canned fruits and canned vegetables. 375,943, Mar. 5, 1940. Republished Nov. 9. Class 46.

Fruitvale Canning Company, Oakland, Calif. Canned fruits. 387,818, June 3, 1941. Republished Nov. 9. Class 46.

Fruitvale Canning Company, Oakland, Calif. Canned foods. 394,106, Mar. 17, 1942. Republished Nov. 9. Class 46.

Furbio Company: *See*—
Lakeside Company.

Future Fashions, Inc., New York, N. Y. Ladies' and misses' dresses, sportswear. 423,217, Aug. 27, 1946. Republished Nov. 9. Class 39.

Future Fashions, Inc., New York, N. Y. Ladies' and misses' dresses and sportswear. 424,001, Sept. 17, 1946. Republished Nov. 9. Class 39.

Galter, Jack, Chicago, Ill. Cameras. 503,765, Nov. 9; Serial No. 534,429, published July 13, 1948. Class 26.

Garber, Josephine S., Encinitas, Calif. Protective asbestos mats. 441,252, Nov. 9; Serial No. 507,979, published July 27, 1948. Class 50.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 181,026, Mar. 11, 1924. Republished Nov. 9. Class 35.

Gene Sales Cosmetics: *See*—
Salee, Gene.

General Box Company, Chicago, Ill. Wooden boxes. 503,776, Nov. 9; Serial No. 537,171, published Aug. 17, 1948. Class 2.

General Dyestuff Corporation: *See*—
I. G. Farbenindustrie Aktiengesellschaft.

Gentile Bros. Company: *See*—
Tree-Gold Cooperative Growers of Florida.

Georgia Shoe Mfg. Co., Flowery Branch, Ga. Leather boots and shoes for men and boys. 503,811, Nov. 9; Serial No. 510,584. Class 39.

Geuting, A. H., Company, Philadelphia, Pa. Men's, women's, and children's shoes. 352,589, Dec. 7, 1937. Republished Nov. 9. Class 39.

Geuting, A. H., Company, Philadelphia, Pa. Men's, women's, and children's shoes. 357,711, June 14, 1938. Republished Nov. 9. Class 39.

Gibson, A. C., Company, Inc., by A. C. Gibson Co., Inc., (1941), Buffalo, N. Y. Rubber stamps and stencils. 130,303, Apr. 20, 1920. Republished Nov. 9. Class 37.

Gibson, A. C., Co., Inc., (1941): *See*—
Gibson, A. C., Company, Inc.

Glenby Sportswear Company, New York, N. Y. Men's and women's knitted sweaters. 441,289, Nov. 9; Serial No. 510,501. Class 39.

Glenader Textile Corp., New York, N. Y. Ladies' scarfs. 503,838, Nov. 9; Serial No. 545,625. Class 39.

Globe Hoist Company, Des Moines, Iowa. Hydraulic lifts. 381,416, Sept. 24, 1940. Republished Nov. 9. Class 23.

Globe Hoist Company, Des Moines, Iowa. Periodical. 382,782, Nov. 12, 1940. Republished Nov. 9. Class 38.

Goetz, M. K., Brewing Company, St. Joseph, Mo. Non-alcoholic, malt cereal beverages. 251,838, renewed Jan. 15, 1949. O. G. Nov. 9. Class 48.

Goldsmith, Louis, Inc., Philadelphia, Pa. Men's and boys' sport jackets. 503,763, Nov. 9; Serial No. 533,492, published Aug. 3, 1948. Class 39.

Gray, A. A., doing business as Gray Laboratories, by Dentur-Eze, Inc., Seattle, Wash. Plastic cushions for loose dental plates. 366,596, Apr. 18, 1939. Republished Nov. 9. Class 44.

Gray Laboratories: *See*—
Gray, A. A.

Great Bear Spring Company: *See*—
Bear Lithia Springs Co.

Griffin Chemical Company, San Francisco, Calif. Petroleum sulphonates. 503,758, Nov. 9; Serial No. 531,792, published Aug. 3, 1948. Class 6.

Grocers' Baking Company, Louisville, Ky. Bread. 179,161, Feb. 5, 1924. Republished Nov. 9. Class 46.

Grocers Baking Company, Incorporated, Louisville, Ky. Bread. 342,860, Feb. 2, 1937. Republished Nov. 9. Class 46.

Guttman, Joseph, & Bros., New York, N. Y. Ladies' and misses' knitted dresses, blouses, skirts, etc. 503,840, Nov. 9; Serial No. 548,158. Class 39.

Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Calcium and phosphate preparation. 503,790, Nov. 9; Serial No. 543,702, published Aug. 10, 1948. Class 6.

Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Iodine preparation. 503,791, Nov. 9; Serial No. 543,703, published Aug. 10, 1948. Class 6.

Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Vitamin B preparation. 503,792, Nov. 9; Serial No. 543,707, published Aug. 10, 1948. Class 6.

Haas-Baruch & Co., Los Angeles, Calif. Canned vegetables, canned fruits, canned berries, etc. 250,796, renewed Dec. 18, 1948. O. G. Nov. 9. Class 46.

Haggerty Refining Co., New York, N. Y. Lubricating oils and greases. 503,748, Nov. 9; Serial No. 529,376, published Aug. 10, 1948. Class 15.

Haggerty Refining Co., New York, N. Y. Lubricating oils. 503,749, Nov. 9; Serial No. 529,377, published Aug. 3, 1948. Class 15.

Haig & Haig Limited, Glasgow, Scotland. Scotch whisky. 359,367, Aug. 16, 1938. Republished Nov. 9. Class 49.

Haig & Haig Limited, Glasgow, Scotland. Scotch whisky. 376,064, Mar. 12, 1940. Republished Nov. 9. Class 49.

Halpern, J., Company, by J. Halpern Company (1947), Pittsburgh, Pa. Caps for toy pistols. 313,889, June 12, 1934. Republished Nov. 9. Class 9.

Halpern, J., Company (1947): *See*—
Halpern, J., Company.

Harris, Ames Neville Co., San Francisco, Calif. Swinging couch hammocks, davenports, mattresses, mattress pads, etc. 253,529, renewed Feb. 26, 1949. O. G. Nov. 9. Classes 32 and 42.

Harris Manufacturing Company, Johnson City, Tenn. Oak and maple flooring and interior wood trim. 290,424, Jan. 5, 1932. Republished Nov. 9. Class 12.

Haskell, Adams Co., Boston, by Rival Foods, Inc., Cambridge, Mass. Vinegar, mince meat, spices, etc. 122,641, Sept. 3, 1918. Republished Nov. 9. Class 46.

Haskell, Adams Co., Boston, by Rival Foods, Inc., Cambridge, Mass. Ginger ale, fruit sirup, and grape juice. 194,622, Feb. 3, 1925. Republished Nov. 9. Class 45.

Hatfield Campbell Creek Coal Company: *See*—
Ryley, C. L., Coal Company.

Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Honolulu, Territory of Hawaii. Canned pineapple. 171,197, July 31, 1923. Republished Nov. 9. Class 46.

Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned pineapple. 296,633, Aug. 16, 1932. Republished Nov. 9. Class 46.

Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Printed matter published from time to time. 359,150, Aug. 9, 1938. Republished Nov. 9. Class 38.

Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned fruit juices. 384,775, Feb. 4, 1941. Republished Nov. 9. Class 46.

Heileman, G., Brewing Co., La Crosse, Wis. Malt beer. 408,190, July 25, 1944. Republished Nov. 9. Class 48.

Henderson Brothers Corporation, by Hendersons, Inc., Johnstown, Pa. Shoe dressing and polish. 326,378, July 23, 1935. Republished Nov. 9. Class 4.

Hendersons, Inc.: *See*—
Henderson Brothers Corporation.

Hercules Motors Corporation, Canton, Ohio. Internal combustion engines. 318,776, Nov. 6, 1934. Republished Nov. 9. Class 23.

Hercules Powder Company: *See*—
Laflin & Rand Powder Company.

Hessin, T., & Co. (Needles & Fish Hooks) Ltd.: *See*—
Compton, W. E.

Hill, H. G., Stores, Inc., New Orleans, La. Butter. 210,763, Mar. 23, 1926. Republished Nov. 9. Class 46.

Hodgman Rubber Company, Framingham, Mass. Rubberized fabrics. 328,199, Sept. 17, 1935. Republished Nov. 9. Class 42.

Holyoke Card & Paper Company, Springfield, Mass. Cover paper. 232,888, Sept. 20, 1927. Republished Nov. 9. Class 37.

Hudnut, Richard, New York, N. Y. Rouge and lipstick. 441,251, Nov. 9; Serial No. 507,855, published Aug. 10, 1948. Class 6.

Hycrest Farm: *See*—
Sawyer, Lester T.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, to General Dyestuff Corporation, New York, N. Y. Chemicals for protection against moths. 252,556, renewed Feb. 12, 1949. O. G. Nov. 9. Class 6.

Iceless Cooler Corporation, New York, N. Y. Electrically operated water coolers. 401,719, June 1, 1943. Republished Nov. 9. Class 31.

Illinois Canning Co., The: *See*—
Illinois Canning Co.

Illinois Canning Co., Camden, N. J., and Hoopeston, Ill., by The Illinois Canning Co., Hoopeston, Ill. Canned vegetables. 67,052, Jan. 14, 1908. Republished Nov. 9. Class 46.

Imperial Tobacco Company Of Canada, Limited, Montreal, Quebec, Canada. Cigars, cigarettes, smoking tobacco, etc. 441,264, Nov. 9; Serial No. 511,948, published Aug. 10, 1948. Class 17.

Industrial Oil Corporation, Warren and Stoneham, to Industrial Oil Corporation, Warren, Pa. Motor oils. 252,551, renewed Feb. 12, 1949. O. G. Nov. 9. Class 15.

Industrial Synthetics Corporation, Irvington, N. J. Rods, tubes, and partly prepared articles. 441,276, Nov. 9; Serial No. 520,625, published Aug. 3, 1948. Class 1.

Ingersoll Stropper Co., Union City, N. J., assignor, by mesne assignments, to Durham-Enders Razor Corporation, Mystic, Conn. Razor strops. 441,250, Nov. 9; Serial No. 507,316, published Aug. 3, 1948. Class 4.

International Minerals and Chemical Corporation, Chicago, Ill. Defluorinated phosphate. 503,786, Nov. 9; Serial No. 540,191, published July 27, 1948. Class 6.

J. C. Laboratories: *See*—
Cochran, Jacqueline.

James, Arthur: *See*—
Compton, W. E.

Justman, C. S.: *See*—
Justman & Co., Inc.

Justman & Co., Inc., El Centro, Calif., and New York, N. Y., assignor to C. S. Justman, by Justman-Frankenthal Co., New York, N. Y. Fresh vegetables and melons. 380,683, Aug. 27, 1940. Republished Nov. 9. Class 46.

Justman-Frankenthal Co.: *See*—
Frankenthal, H.
Justman & Co., Inc.

Kahn Tailoring Co., Indianapolis, Ind. Men's outer wearing apparel. 252,945, renewed Feb. 19, 1949. O. G. Nov. 9. Class 39.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., to The May Department Stores Company, St. Louis, Mo. Portfolios, brief cases, hand bags, suitcases, etc. 246,592, renewed Sept. 11, 1948. O. G. Nov. 9. Class 3.

Keasbey, & Mattison Company, Ambler, Pa. Partly prepared asbestos. 441,260, Nov. 9; Serial No. 510,179, published Aug. 3, 1948. Class 1.

Kelly, Henry, & Sons, Incorporated, New York, N. Y., assignor to Continental Distilling Corporation, by Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 363,034, Dec. 13, 1938. Republished Nov. 9. Class 49.

Kendall Company, The, Boston, Mass. Bandage compress, dental floss, crepe bandages, etc. 300,349, Jan. 17, 1933. Republished Nov. 9. Class 44.

Kendall Company, The, Boston, Mass. Aromatic spirits of ammonia, castor oil, carbolated petrolatum, etc. 300,569, Jan. 24, 1933. Republished Nov. 9. Class 6.

Kimberly-Clark Corporation, Neenah, Wis. Thermal and acoustical insulation material. 503,745, Nov. 9; Serial No. 528,933, published July 27, 1948. Class 12.

Kings Rubber Corporation, Brooklyn, N. Y. Transparent or translucent plastic film or sheeting sold as piece goods. 441,245, Nov. 9; Serial No. 502,142, published July 20, 1948. Class 42.

Klink Citrus Association, Ivanhoe, Calif. Fresh citrous fruits. 213,099, May 18, 1926. Republished Nov. 9. Class 46.

Klink Citrus Association, Ivanhoe, Calif. Fresh citrous fruits. 215,802, July 27, 1926. Republished Nov. 9. Class 46.

Klink Citrus Association, Ivanhoe, Calif. Fresh citrous fruits. 234,867, Nov. 8, 1927. Republished Nov. 9. Class 46.

Klink Citrus Association, Ivanhoe, Calif. Fresh citrus fruits. 432,811, Sept. 16, 1947. Republished Nov. 9. Class 46.

Knickerbocker Clothing Co., St. Louis, Mo. Men's and boys' coats, vests, pants, etc. 503,729, Nov. 9; Serial No. 523,844, published July 20, 1948. Class 39.

Koch, George, Sons, Inc., Evansville, Ind. Metal furniture. 381,627, Oct. 1, 1940. Republished Nov. 9. Class 32.

Koch, George, Sons, Inc., Evansville, Ind. Flower baskets. 402,583, Aug. 3, 1943. Republished Nov. 9. Class 2.

Koester, E. H., Bakery Company, The, Baltimore, Md. Rye bread. 325,141, June 11, 1935. Republished Nov. 9. Class 46.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 441,274, Nov. 9; Serial No. 519,020, published Sept. 30, 1947. Class 26.

Krueger, G., Brewing Company, Newark, N. J. Beer and ale. 333,508, Mar. 24, 1936. Republished Nov. 9. Class 48.

Krug Electric Company, Inc.: *See*—
Krug, William.

Krug, William, by Krug Electric Company, Inc., New York, N. Y. Electrical motors, dynamos, and batteries, etc. 219,739, Oct. 26, 1926. Republished Nov. 9. Class 21.

Kurfees, J. F., Paint Company, Louisville, Ky. Asbestos roof cement. 503,769, Nov. 9; Serial No. 535,541, published July 27, 1948. Class 12.

Kurfees, J. F., Paint Company, Louisville, Ky. Asbestos roof cement. 503,770, Nov. 9; Serial No. 535,558, published July 27, 1948. Class 12.

Kurfees, J. F., Paint Company, Louisville, Ky. Asbestos roof cement. 503,771, Nov. 9; Serial No. 535,566, published July 27, 1948. Class 12.

Laflin & Rand Powder Company, New York, N. Y., assignor to E. I. du Pont de Nemours Powder Company, to Hercules Powder Company, Wilmington, Del. Smokeless powder. 72,658, re-renewed Feb. 9, 1949. O. G. Nov. 9. Class 9.

Lake Erie Provision Company, The, by Cleveland Provision Company, Cleveland, Ohio. Hams, bacon, lard, and sausage products. 172,110, Aug. 21, 1923. Republished Nov. 9. Class 46.

Lakeside Company, by Furbio Company, Hermansville, Mich. Blowers. 269,260, Apr. 1, 1930. Republished Nov. 9. Class 34.

Lake State Products, Inc.: *See*—
Cinderella Washing Machine Company, The.

Leipzig & Lippe, Inc., New York, N. Y. Folding wire and metal laundry, clothes, and shopping baskets, etc. 441,278, Nov. 9; Serial No. 521,492, published Nov. 18, 1947. Class 2.

Lenel Company: *See*—
Rothchild, Lionel G.

Leonardi, S. B., & Co., Inc., New Rochelle, N. Y. Preparations for the treatment of chronic rheumatism, gout, pimples, etc. 253,557, renewed Feb. 26 1949. O. G. Nov. 9. Class 6.

Lerner Company, The, assignee: *See*—
Shelton, Sue, Inc.

Les Parfums de Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. 503,785, Nov. 9; Serial No. 539,964, published Aug. 10, 1948. Class 2.

Les Parfums de Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. 503,788, Nov. 9; Serial No. 542,601, published Aug. 17, 1948. Class 2.

Linde, J. E., Paper Co., New York, N. Y. Toilet paper. 212,922, May 18, 1926. Republished Nov. 9. Class 37.

Lippman, Florence V., Savannah, to C. H. Cohen, Augusta, Ga. Medicine. 71,170, re-renewed Nov. 3, 1948. O. G. Nov. 9. Class 6.

Live Food Products Co.: *See*—
Bragg, Paul C.

Loew's Incorporated, Dover, Del., and New York, N. Y. Films. 384,224–5, Jan. 7, 1941. Republished Nov. 9. Class 26.

Mack Baking Company, Brewer, Maine. Bread in the loaf. 261,447, Sept. 17, 1929. Republished Nov. 9. Class 46.

Maclevy, Clarise, assignee: *See*—
Copper Tan, Inc.

Magazine Publishers, Inc., by A. A. Wyn, Inc., New York, N. Y. Monthly magazine. 253,563, Feb. 26, 1929. Republished Nov. 9. Class 38.

Mahdeen Company: *See*—
Needham, John L.

Maison Evilya, Brooklyn, N. Y. Face cream. 441,255, Nov. 9; Serial No. 508,298, published Aug. 10, 1948. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Product phenyl-azo-alpha-alpha-diamino-pyridine hydrochloride and base. 503,734, Nov. 9; Serial No. 526,934, published Aug. 10, 1948. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Ammonium ichthosulfonate used for the treatment of skin diseases. 503,735, Nov. 9; Serial No. 526,935, published Aug. 10, 1948. Class 6.

Marine Optical Mfg. Co., by Marine Optical Mfg. Co., Roslindale, Boston, Mass. Sunglasses and optical frames. 399,972, Feb. 9, 1943. Republished Nov. 9. Class 26.

Marswell, Incorporated, Wantagh, to Plexo Preparations, Inc., New York, N. Y. Preparation for use in the treatment of headache, backache, and toothache. 249,830, renewed Nov. 20, 1948. O. G. Nov. 9. Class 6.

Martha Maid Mfg. Co., Chicago, Ill. Women's and misses' underwear. 503,833, Nov. 9; Serial No. 532,848. Class 39.

Martin, J. B., Company, Norwich, Conn. Textile fabrics in the piece made of wool, silk, cotton, etc. 441,261, Nov. 9; Serial No. 510,330, published July 20, 1948. Class 42.

Masonite Corporation, Laurel, Miss., to Masonite Corporation, Chicago, Ill., and Laurel, Miss. Fibre board, thermal insulating board, composite board, etc. 252,120, renewed Jan. 22, 1949. O. G. Nov. 9. Class 12.

Massera, Wilma, Watsonville, Calif. Fresh vegetables. 432,667, Sept. 9, 1947. Republished Nov. 9. Class 46.

Maule, Wm. Henry, Co., assignor to W. Atlee Burpee Company, Philadelphia, Pa. Vegetable and flower seeds, bulbs, and plants; and soil. 441,280–2, Nov. 9; Serial Nos. 521,885–7, published Aug. 10, 1948. Class 1.

Mawer-Gulden-Annis, Inc.: *See*—
Albers Olive Company.

Maxcy, L., Inc.: *See*—
Florida Fruit Canners, Inc.

May Department Stores Company, The: *See*—
Kaufmann Department Stores, Inc.

McAdoo & Allen, Philadelphia, by McAdoo & Allen Welting Co., Quakertown, Pa. Leather welting. 106,462, Oct. 19, 1915. Republished Nov. 9. Class 39.

McAdoo & Allen Welting Co.: *See*—
McAdoo & Allen.

McCormick & Baxter Creosoting Co., Portland, Oreg. Railroad ties, dressed timbers, and poles. 441,253, Nov. 9; Serial No. 507,988, published July 27, 1948. Class 12.

McDonald, Mrs. J. G., Chocolate Company, Salt Lake City, Utah. Candy. 503,822, Nov. 9; Serial No. 519,888. Class 46.

McKay Products Corporation, The, Baltimore, Md. Ladies' and children's underwear. 503,837, Nov. 9; Serial No. 539,538. Class 39.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Eyewash. 245,983, renewed Aug. 28, 1948. O. G. Nov. 9. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Alternative general tonics and laxatives. 245,986, renewed Aug. 28, 1948. O. G. Nov. 9. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Deodorant. 246,008–9, renewed Aug. 28, 1948. O. G. Nov. 9. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Shampoo. 246,013, renewed Aug. 28, 1948. O. G. Nov. 9. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Ointment. 246,194, renewed Sept. 4, 1948. O. G. Nov. 9. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Ointment. 246,196, renewed Sept. 4, 1948. O. G. Nov. 9. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Antiseptic ointment. 246,230, renewed Sept. 4, 1948. O. G. Nov. 9. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Preparation for the relief of indigestion. 246,398, renewed Sept. 4, 1948. O. G. Nov. 9. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Mustard ointment. 246,504, renewed Sept. 11, 1948. O. G. Nov. 9. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Mineral oil. 246,743, renewed Sept. 11, 1948. O. G. Nov. 9. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. General tonic. 246,745, renewed Sept. 11, 1948. O. G. Nov. 9. Class 6.

McKinney Manufacturing Company, Pittsburgh, Pa. Hinges, hinge straps, corner irons, etc. 249,498, renewed Nov. 13, 1948. O. G. Nov. 9. Class 13.

McLoughlin Bros., Inc., Springfield, Mass. Series of books published from time to time. 365,165, Feb. 28, 1939. Republished Nov. 9. Class 38.

Metalist Co., Inc., Passaic, N. J. Cigars and smoking tobacco. 503,755, Nov. 9; Serial No. 530,663, published Aug. 10. Class 17.

Mercedes Citrus Growers: *See*—
Rio Grande Valley Citrus Growers Association.

Met-L-Wood Corporation, Chicago, Ill. Laminated plywood covered with stainless steel, etc. 503,757, Nov. 9; Serial No. 531,613, published July 13, 1948. Class 12.

Meyerhoff, Jack, doing business as Yester-Laid Egg Farms, East Vineland, N. J. Freshly laid eggs. 503,813, Nov. 9; Serial No. 512,128. Class 46.

Midland Flour Milling Co., The, Kansas City, Mo. Self-rising flour. 142,303–5, May 10, 1921. Republished Nov. 9. Class 46.

Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 172,436, Aug. 28, 1923. Republished Nov. 9. Class 46.

Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 196,492, Mar. 17, 1925. Republished Nov. 9. Class 46.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed textile-fabric tape. 503,787, Nov. 9; Serial No. 542,399, published Aug. 10, 1948. Class 5.

Mid-West Oil Company, Kansas City, Kans. Lubricating oils. 249,984, renewed Nov. 27, 1948. O. G. Nov. 9. Class 15.

Midwest Trade, Inc., Kansas City, Mo. Trade magazines. 503,810, Nov. 9; Serial No. 509,665. Class 38.

Miles Shoes Incorporated: *See*—
Miles Shoes, Inc.

Miles Shoes, Inc., by Miles Shoes Incorporated, New York, N. Y. Shoes, slippers and boots. 375,516, Feb. 20, 1940. Republished Nov. 9. Class 39.

Miles Shoes, Inc., by Miles Shoes Incorporated, New York, N. Y. Shoes, slippers, and boots. 392,180, Dec. 16, 1941. Republished Nov. 9. Class 39.

Miller Manufacturing Co., Inc., Joplin, Mo., and New York, N. Y. Men's and boys' sport shirts, trousers, and slacks. 503,820, Nov. 9; Serial No. 519,286. Class 39.

Minami, H. Y., doing business as H. Y. Minami & Sons, by H. Y. Minami and Sons, Guadalupe, Calif. Fresh lettuce and cauliflower. 263,573, Nov. 5, 1929. Republished Nov. 9. Class 46.

Minami, H. Y., & Sons: *See*—
Minami, H. Y.

Minami, H. Y., and Sons: *See*—
Minami, H. Y.

Minnesota Chemical Company, The, St. Paul, Minn. Cleansers used as dairy cleansers and cleansers for general purposes. 441,259, Nov. 9; Serial No. 509,862, published Aug. 5, 1947. Class 4.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispensers. 503,700, Nov. 9; Serial No. 489,594, published Aug. 17, 1948. Class 2.

Miracle Adhesives Corporation, Newark, N. J. Adhesives for household or industrial uses. 429,906, May 20, 1947. Corrected. O. G. Nov. 9. Class 5.

Mlodzikowski, Frank A., doing business under the name "Coffé-Cola Mfg. Co.," Philadelphia, Pa. Non-alcoholic beverage mix. 503,809, Nov. 9; Serial No. 507,064. Class 45.

Monroe Pecan Products, Incorporated, Waycross, Ga. Shelled and unshelled nuts, and salted, toasted, and candied nuts. 503,713, Nov. 9; Serial No. 500,892, published Aug. 10, 1948. Class 46.

Monsanto Chemical Company, St. Louis, Mo. Inorganic phosphates. 503,712, Nov. 9; Serial No. 497,954, published Aug. 10, 1948. Class 1.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resin compositions. 503,718, Nov. 9; Serial No. 513,671, published July 27, 1948. Class 6.

Montesanto, Pasquale, doing business as East Haven Stove Bright Co., East Haven, Conn. Solid, or semi-solid, cleaning and polishing compound for metal. 503,819, Nov. 9; Serial No. 518,847. Class 4.

Mooresville Cotton Mills, to Mooresville Mills, Mooresville, N. C. Turkish towels. 250,287, renewed Dec. 4, 1948. O. G. Nov. 9. Class 42.

Mooresville Mills: *See*—
Mooresville Cotton Mills.

More-Jones Brass & Metal Company, St. Louis, Mo., by American Brake Shoe Company, New York, N. Y. Babbitt metal. 145,156, July 26, 1921. Republished Nov. 9. Class 14.

More-Jones Brass & Metal Company, St. Louis, Mo., by American Brake Shoe Company, New York, N. Y. Babbitt metal. 145,158–9, July 26, 1921. Republished Nov. 9. Class 14.

More-Jones Brass & Metal Company, St. Louis, Mo., by American Brake Shoe Company, New York, N. Y. Bearing metal. 145,160, July 26, 1921. Republished Nov. 9. Class 14.

More-Jones Brass & Metal Co., St. Louis, Mo., by American Brake Shoe Company, New York, N. Y. Bronze bearings. 179,354, Feb. 5, 1924. Republished Nov. 9. Class 23.

Mount Vernon Woodberry Cotton Duck Company, by Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 68,575, Apr. 14, 1908. Republished Nov. 9. Class 42.

Mt. Vernon-Woodberry Mills, Inc.: *See*—
Mount Vernon Woodberry Cotton Duck Company.

Murine Company, Inc., The, Chicago, Ill. Eye remedies. 240,437, Mar. 27, 1928. Republished Nov. 9. Class 6.

Myles Salt Company, Inc.: *See*—
Myles Salt Co., Ltd.

Myles Salt Co., Ltd., by Myles Salt Company, Inc., New Orleans, La. Table salt. 323,987, May 7, 1935. Republished Nov. 9. Class 46.

Myles Salt Co., Ltd., by Myles Salt Company, Inc., New Orleans, La. Salt block. 336,899, July 21, 1936. Republished Nov. 9. Class 46.

Myra Deane Company, Kansas City, Mo. Hair oil, after shave lotion, shaving cream, and talcum powder. 503,836, Nov. 9; Serial No. 535,832. Class 6.

National Biscuit Company, Jersey City, N. J., and Chicago, Ill., to National Biscuit Company, New York, N. Y. Biscuits, crackers, cakes, etc. 32,301, re-renewed Dec. 27, 1948. O. G. Nov. 9. Class 46.

National Blow Pipe & Mfg. Co., Ltd.: *See*—
National Dust Control Company.

National Capitol Processing Laboratories: *See*—
Reisinger, Carl H.

National Dust Control Company, by National Blow Pipe & Mfg. Co., Ltd., New Orleans, La. Air ducts, ventilating, exhaust, and draft fans, flues, etc. 355,865, Apr. 5, 1938. Republished Nov. 9. Class 34.

National Licorice Company, Brooklyn, N. Y. Licorice candy. 253,063, renewed Feb. 19, 1949. O. G. Nov. 9. Class 46.

National Packing Corporation, Boston, Mass. Canned cat food. 503,722, Nov. 9; Serial No. 518,421, published Aug. 10, 1948. Class 46.

National Supply Company, The, Toledo, Ohio, by The National Supply Company, Pittsburgh, Pa. Well-drilling rigs and parts thereof, well-derricks, bull-wheels, etc. 121,320, Apr. 23, 1918. Republished Nov. 9. Class 23.

National Supply Company, The, Toledo, Ohio, by The National Supply Company, Pittsburgh, Pa. Well-drilling rigs and parts thereof, well-derricks, bull-wheels, etc. 137,344, Nov. 23, 1920. Republished Nov. 9. Class 23.

National Supply Company of California, The, Torrance, Calif., by The National Supply Company, Pittsburgh, Pa. Gas and oil engines. 329,601, Nov. 5, 1935. Republished Nov. 9. Class 23.

Nazaroff, Alexander, doing business as Colit Laboratories, New York, N. Y. Liniments. 251,069, Dec. 25, 1928. Republished Nov. 9. Class 6.

Needham, John L., by Mahdeen Company, Nacogdoches, Tex. Liquid remedy for dandruff. 93,012, Aug. 12, 1913. Republished Nov. 9. Class 6.

Nell Products Inc., Los Angeles, Calif. Non-alcoholic, maltless beverages. 503,823, Nov. 9; Serial No. 520,112. Class 45.

Newbry Orchards: *See*—
Newbry & Sons.

Newbry & Sons, Talent, by Newbry Orchards, Ashland, Oreg. Fresh deciduous fruits. 278,320, Dec. 16, 1930. Republished Nov. 9. Class 46.

New City Printing Co., Union City, N. J. Books. 387,951, June 10, 1941. Republished Nov. 9. Class 38.

New Tomatin Distillers Company Limited, The, by Tomatin Distilleries Co., Ltd., Tomatin, Scotland and London, England. Whisky. 316,805, Sept. 4, 1934. Republished Nov. 9. Class 49.

New York Lubricating Oil Company, New York, N. Y. Lubricating greases and lubricating oils. 253,425, renewed Feb. 26, 1949. O. G. Nov. 9. Class 15.

Nicoll, R. C., doing business as Valerie Jean Date Shop, Thermal, Calif. Dates and date products. 379,168, July 2, 1940. Republished Nov. 9. Class 46.

Nilsson Gage Co., Inc., Poughkeepsie, N. Y. Flush pin gauges; fixed snap gauges, profile gauges, etc. 503,773, Nov. 9; Serial No. 536,828, published July 27, 1948. Class 26.

Nipa Laboratories, Ltd., London, England. Chemical compounds, being benzene derivatives of the glycols. 441,266, Nov. 9; Serial No. 513,269, published Aug. 10, 1948.—Class 6.

North Brothers Manufacturing Company: *See*—
North Bro's M'f'g Company.

North Bro's M'f'g Company, by North Brothers Manufacturing Company, Philadelphia, Pa. Ratchet-hand-tool handles, hand drills, ratchet hand tools, etc. 196,680, Mar. 24, 1925. Republished Nov. 9. Class 23.

North Bro's M'f'g Company, by North Brothers Manufacturing Company, Philadelphia, Pa. Automatic drills, ratchet screw drivers, spiral ratchet screw drivers, etc. 267,875, Mar. 4, 1930. Republished Nov. 9. Class 23.

Oakite Products, Inc., New York, N. Y. Chemical compounds having water-softening qualities. 330,255, Nov. 26, 1935. Republished Nov. 9. Class 6.

Oakite Products, Inc., New York, N. Y. Industrial cleaning equipment. 423,465, Sept. 3, 1946. Republished Nov. 9. Class 23.

Oconomowoc Canning Company, Oconomowoc, Wis. Canned vegetables. 249,772, renewed Nov. 20, 1948. O. G. Nov. 9. Class 46.

Ohio Crankshaft Company, The, Cleveland, Ohio. Crankshafts. 346,939, June 15, 1937. Republished Nov. 9. Class 23.

Ohio Crankshaft Company, The, Cleveland, Ohio. Electrical induction heat treating equipment. 387,810, June 3, 1941. Republished Nov. 9. Class 21.

Omega Machine Company, Providence, R. I. Apparatus for continuously supplying chlorine to a process by weight. 405,698, Feb. 15, 1944. Republished Nov. 9. Class 26.

Omega Machine Co., Providence, R. I. Feeders. 430,892, July 1, 1947. Republished Nov. 9. Class 26.

Oster Manufacturing Company, The, Cleveland, Ohio. Cutting oils. 441,243, Nov. 9; Serial No. 496,400, published July 27, 1948. Class 15.

Ottumwa Mercantile Co., The, Ottumwa, Iowa, to United Mills Corporation, Mount Gilead, N. C. Hosiery and underwear of knitted and textile fabric. 245,458, renewed Aug. 14, 1948. O. G. Nov. 9. Class 39.

Pacific Wines, Los Angeles, Calif. Wines. 411,886, Feb. 6, 1945. Republished Nov. 9. Class 47.

Paramount Knitting Company, The, assignor to Bear Brand Hosiery Co., by Bear Brand Hosiery Co., Chicago, Ill. Textile articles. 175,948, Nov. 13, 1923. Republished Nov. 9. Class 39.

Parke, Davis & Company, Detroit, Mich. Solution for the relief of congestion of the mucous membranes of the nose and throat. 503,760, Nov. 9; Serial No. 532,336, published Aug. 10, 1948. Class 6.

Patricia Petticoat Co., Inc., The, by Rhythm Lingérie, Inc., New York, N. Y. Women's and misses' slips. 386,153, Mar. 25, 1941. Republished Nov. 9. Class 39.

Penn Tobacco Company, Wilkes-Barre, Pa. Smoking and chewing tobacco. 503,784, Nov. 9; Serial No. 539,754, June 22, 1948. Class 17.

Peoples Drug Stores, Inc.: *See*—
Peoples Drug Stores Inc.

Peoples Drug Stores Inc., to Peoples Drug Stores, Inc., Washington, D. C. Lotion. 239,254, renewed Feb. 28, 1948. O. G. Nov. 9. Class 6.

Peoples Drug Stores Inc., to Peoples Drug Stores, Inc., Washington, D. C., Candy. 244,592, renewed July 24, 1948. O. G. Nov. 9. Class 46.

Perfection Biscuit Company, Fort Wayne, Ind. Cookie cakes. 207,940, Jan. 12, 1926. Republished Nov. 9. Class 46.

Permaflex Products Co., Philadelphia, Pa. Plastic asphaltic compounds. 441,277, Nov. 9; Serial No. 521,463, published July 27, 1948. Class 12.

Petticoat, H. S., Company, Inc., Boston, Mass. Women's undergarments. 257,253, June 4, 1929. Republished Nov. 9. Class 39.

Pheoll Manufacturing Company, Chicago, Ill. Screws, bolts, nuts, etc. 503,741, Nov. 9; Serial No. 528,227, published July 27, 1948. Class 13.

Physicians & Hospitals Supply Company, doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 441,237, Nov. 9; Serial No. 483,917, published Oct. 16, 1945. Class 6.

Pierce's Proprietaries, Inc.: *See*—
World's Dispensary Medical Association.

Pine, William S., Los Angeles, Calif. Tool useful in installing and removing pump liners, valve seats, bushings, etc. 390,952, Oct. 14, 1941. Republished Nov. 9. Class 23.

Pioneer Suspender Company, Philadelphia, Pa. Cigarette cases. 503,716, Nov. 9; Serial No. 511,288, published Aug. 10, 1948. Class 8.

Pioneer Suspender Company, Philadelphia, Pa. Apparel belts, garters, suspenders, etc. 503,730, Nov. 9; Serial No. 526,548, published July 27, 1948. Class 39.

Pittsburg Water Heater Company, by The Pittsburgh Water Heater Corporation, Pittsburgh, Pa. Gas hot-water heaters and gas hot-water storage systems. 211,404, Apr. 13, 1926. Republished Nov. 9. Class 34.

Pittsburg Water Heater Company, Inc., by The Pittsburgh Water Heater Corporation, Pittsburgh, Pa. Gas water heaters and house-heating boilers. 257,704, June 18, 1929. Republished Nov. 9. Class 34.

Pittsburgh Water Heater Corporation, The: *See*—
Pittsburg Water Heater Company.
Pittsburg Water Heater Company, Inc.

Plainville Stock Company, by Plainville Stock Company, Plainville, Mass. Scarf-pin, stick-pins, brooches, etc. 55,907, Aug. 21, 1906. Republished Nov. 9. Class 28.

Plessner, Paul, Co., The, by The Paul Plessner Company, Detroit, Mich. Hepatic insufficiency, intestinal putrefaction, habitual constipation and gall-stones. 114,543, Dec. 19, 1916. Republished Nov. 9. Class 6.

Plessner, Paul, Company, The: *See*—
Plessner, Paul, Co., The.

Plexo Preparations, Inc.: *See*—
Marswell, Incorporated.

Plymouth Fur Co., The, to Plymouth Furs, Inc., Minneapolis, Minn. Fur coats, fur jackets, fur-lined coats, etc. 72,571, re-renewed Feb. 2, 1949. O. G. Nov. 9. Class 39.

Plymouth Furs, Inc.: *See*—
Plymouth Fur Co., The.

Polk Miller Products Corporation, Richmond, Va. Flea or insect powder. 217,083, Aug. 24, 1926. Republished Nov. 9. Class 6.

Polk Miller Products Corporation, Richmond, Va. Dog soap. 218,757, Oct. 5, 1926. Republished Nov. 9. Class 4.

Polk Miller Products Corporation, Richmond, Va. Disinfectant for general use, flea powder, mange medicine, etc. 223,439, Feb. 1, 1927. Republished Nov. 9. Class 6.

Polk Miller Products Corporation, Richmond, Va. Soap. 223,870, Feb. 15, 1927. Republished Nov. 9. Class 4.

Polk Miller Products Corporation, Richmond, Va. Capsules and a liquid preparation for dogs. 226,819, Apr. 19, 1927. Republished Nov. 9. Class 6.

Polk Miller Products Corp., Richmond, Va. Medicines for dogs. 288,109, June 10, 1941. Republished Nov. 9. Class 6.

Polk Miller Products Corp., Richmond, Va. Food for puppies and dogs of all breeds. 295,404, June 28, 1932. Republished Nov. 9. Class 46.

Polk Miller Products Corporation, Richmond, Va. Soap. 331,350, Jan. 7, 1936. Republished Nov. 9. Class 4.

Polk Miller Products Corporation, Richmond, Va. Soap. 331,353, Jan. 7, 1936. Republished Nov. 9. Class 4.

Polk Miller Products Corporation, Richmond, Va. Flea powder. 331,354, Jan. 7, 1936. Republished Nov. 9. Class 6.

Polk Miller Products Corporation, Richmond, Va. Flea powder. 331,357, Jan. 7, 1936. Republished Nov. 9. Class 6.

Polk Miller Products Corporation, Richmond, Va. Flea powder. 331,533, Jan. 14, 1936. Republished Nov. 9. Class 6.

Polk Miller Products Corporation, Richmond, Va. Publication issued periodically. 355,595, Mar. 22, 1938. Republished Nov. 9. Class 38.

Polk Miller Products Corp., Richmond, Va. Flea powder. 362,260–1, Nov. 15, 1938. Republished Nov. 9. Class 6.

Polk Miller Products Corporation, Richmond, Va. Therapeutic food supplement for dogs. 369,186, July 18, 1939. Republished Nov. 9. Class 6.

Polk Miller Products Corp., Richmond, Va. Disinfectant. 408,549, Aug. 15, 1944. Republished Nov. 9. Class 6.

Porcelain Tile Company, Chicago, Ill., to Clyde Porcelain Steel Corporation, Clyde, Ohio. Tiles and foundation sheets. 246,871, renewed Sept. 18, 1948. O. G. Nov. 9. Class 12.

Porter Clothing Co., New Orleans, La., by Schloss Bros. & Co., Inc., Baltimore, Md. Overcoats and suits. 235,351, Nov. 15, 1927. Republished Nov. 9. Class 39.

Powell, W., Company, The, Cincinnati, Ohio. Valves. 441,285, Nov. 9; Serial No. 523,536, published July 27, 1948. Class 13.

Powers Paper Company, Associates, Springfield, Mass. Writing paper in boxes, papeteries, envelopes. 78,902, July 19, 1910. Republished Nov. 9. Class 37.

Pratt Corporation, by Pratt Manufacturing Company, Coldwater, Mich. Coasting sleds. 344,161, Mar. 16, 1937. Republished Nov. 9. Class 22.

Pratt Manufacturing Company: *See*—
Pratt Corporation.

Procter & Gamble Company, The, Cincinnati, Ohio. Bar soap. 439,963, Aug. 3, 1948. Corrected. O. G. Nov. 9. Class 4.

Pulici, Louis, doing business as Pulici Packing Company, Glendale and Los Angeles, Calif. Canned spaghetti sauce and canned zucchini (Italian Squash). 503,817, Nov. 9; Serial No. 515,450. Class 46.

Pulici Packing Company: *See*—
Pulici, Louis.

Pure Oil Company, The, Chicago, Ill. Lubricating oil for hand cream separators. 503,736, Nov. 9; Serial No. 527,279, published Aug. 3, 1948. Class 15.

Pyramid Leather Goods Company, New York, N. Y. Children's and misses' handbags. 382,962, Nov. 19, 1940. Republished Nov. 9. Class 3.

Pyramid Leather Goods Company, New York, N. Y. Ladies' misses' and children's handbags. 411,459, Jan. 16, 1945. Republished Nov. 9. Class 3.

Quaker Chemical Products Corp., Conshohocken, Pa. Esters. 503,754, Nov. 9; Serial No. 530,429, published May 4, 1948. Class 6.

Ramapo Ajax Corporation, by American Brake Shoe Company, New York, N. Y. Track frogs, crossings, guard rails, etc. 169,851, July 3, 1923. Republished Nov. 9. Class 14.

Ramapo Ajax Corporation, by American Brake Shoe Company, New York, N. Y. Track switches, switch stands, switch plates and parts thereof. 473,737, Oct. 2, 1923. Republished Nov. 9. Class 23.

Ramapo Ajax Corporation, by American Brake Shoe Company, New York, N. Y. Switch stands. 300,373, Jan. 17, 1933. Republished Nov. 9. Class 23.

Rattan Manufacturing Co., The, New Haven, Conn. Conduit fittings, outlet boxes, and covers. 247,948, renewed Oct. 9, 1948. O. G. Nov. 9. Class 21.

Reading Batteries, Inc., Reading and Temple, Pa. Storage batteries. 422,702, Aug. 6, 1946. Republished Nov. 9. Class 21.

Reisinger, Carl H., doing business as National Capitol Processing Laboratories, Washington, D. C. Photo-prints. 503,815, Nov. 9; Serial No. 513,211. Class 38.

Reliance Coal and Coke Co., The, Cincinnati, Ohio. Coal. 153,291, Mar. 14, 1922. Republished Nov. 9. Class 1.

Rensello Company, Inc., New York, N. Y. Pajamas for men, women and boys. 503,806, Nov. 9; Serial No. 497,968. Class 39.

Rhoads, J. E., & Sons, Philadelphia, Pa. Leather belting and leather packing. 56,568, Oct. 9, 1906. Republished Nov. 9. Class 35.

Rhoads, J. E., & Sons, Philadelphia, Pa. Leather belting; round leather belting; cut leather lacing, etc. 118,221, Aug. 21, 1917. Republished Nov. 9. Class 35.

Rhythm Lingerie, Inc.: *See*—
Patricia Petticoat Co., Inc.

Rich-Land Canning Corporation, Friesland, Wis. Canned peas and canned corn. 424,300, Oct. 1, 1946. Republished Nov. 9. Class 46.

Rig Company, The: *See*—
Guy, Ralph I.

Rio Grande Valley Citrus Growers Association, by Mercedes Citrus Growers, Mercedes, Tex. Fresh citrus fruits. 365,320, Mar. 7, 1939. Republished Nov. 9. Class 46.

Ritter, P. J., Company, Bridgeton, N. J. Canned vegetables, chili sauce relish, whole tomato catsup, etc. 441,271, Nov. 9; Serial No. 517,796, published Aug. 10, 1948. Class 46.

Rival Foods, Inc.: *See*—
Haskell, Adams Co.

Rival Foods, Inc., Cambridge, Mass. Matches. 419,636, Feb. 26, 1946. Republished Nov. 9. Class 9.

Rival Foods, Inc., Cambridge, Mass. Ammonia, bleaching water and gloss starch. 429,257, Apr. 29, 1947. Republished Nov. 9. Class 6.

River Brand Rice Mills, Inc.: *See*—
Southern Rice Sales Company, Inc.

Robanel, Manhattan Beach, Calif. Facial oil, facial creams, facial astringent, etc. 503,724, Nov. 9; Serial No. 520,569, published July 13, 1948. Class 6.

Robertson Bros. & Co. Limited, London, England. Wines. 306,233–4, Sept. 12, 1933. Republished Nov. 9. Class 47.

Robertson Bros. & Co. Limited, London, England. Wines. 331,543, Jan. 14, 1936. Republished Nov. 9. Class 47.

Robinson Houchin Optical Company, The, Columbus, Ohio. Ophthalmic lenses. 503,742, Nov. 9; Serial No. 528,312, published July 13, 1948. Class 26.

Robinson, Wagner Co., Inc., New York, N. Y. Liquid lanolin. 441,286, Nov. 9; Serial No. 524,624, published July 27, 1948. Class 6.

Rochester Manufacturing Co., Inc., Rochester, N. Y. Indicating gauges. 441,275, Nov. 9; Serial No. 519,221, published July 13, 1948. Class 26.

Rockwell Manufacturing Company: *See*—
Tauco Manufacturing Company.

Rokeach, I., & Sons, Inc., Brooklyn, N. Y. Vegetable fat. 246,328, renewed Sept. 4, 1928. O. G. Nov. 9. Class 46.

Rosa Food Products Co., Philadelphia, Pa. Edible vegetable oils. 441,246, Nov. 9; Serial No. 502,463, published Aug. 10, 1948. Class 46.

Roswill Laboratories: *See*—
Willer, William.

Rotary Brush Co., Bay City, Mich. Rotary brush comb cleaners. 503,832, Nov. 9; Serial No. 531,377. Class 29.

Rothchild, Lionel G., doing business as Lenel Company, Dallas, Tex. Soap. 441,269, Nov. 9; Serial No. 517,165, published Nov. 4, 1947. Class 4.

Roubechez Import Co.: *See*—
Flamhaft, Harry.

Royal Blue Stores, Inc., Chicago, Ill. Canned fruits and fruit preserves. 237,590, Jan. 10, 1928. Republished Nov. 9. Class 46.

Rumford Chemical Works, Providence, to Rumford Chemical Works, Rumford, R. I., Periodicals. 248,567, renewed Oct. 23, 1948. O. G. Nov. 9. Class 38.

Rutland Fire Clay Company, Rutland, Vt. Asbestos and asphalt cement preparation. 503,778, Nov. 9; Serial No. 537,734, published July 27, 1948. Class 12.

Ryley, C. L., Coal Company, Lexington, Ky., by Hatfield Campbell Creek Coal Company, Cincinnati, Ohio. Coal. 151,223, Jan. 24, 1922. Republished Nov. 9. Class 1.

Salée, Gene, Hollywood, Calif., doing business as Gene Salee Cosmetics. Hand lotion. 441,248, Nov. 9; Serial No. 506,770, published Aug. 10, 1948. Class 6.

Sanderson & Son Limited: *See*—
Sanderson, Wm., & Son.

Sanderson, Wm., & Son, Leith, by William Sanderson & Son Limited, Leith, Edinburgh, Scotland. Scotch whisky. 332,808, Feb. 25, 1936. Republished Nov. 9. Class 49.

Sawyer, Lester T., doing business as Hycrest Farm, Leominster, Mass. Fresh milk, cream, and ice cream. 503,827, Nov. 9; Serial No. 524,351. Class 46.

Schloss Bros. & Co.: *See*—
Porter Clothing Co.

Schuman Co., The, Chicago, Ill. Fresh vegetables and grapes. 403,647, Oct. 5, 1943. Republished Nov. 9. Class 46.

Schwob Manufacturing Company, by Schwob Manufacturing Company, Columbus, Ga. Men's suits and clothing. 417,107, Oct. 16, 1945. Republished Nov. 9. Class 39.

Scotia Distillers Limited, Glasgow, by Scotia Distillers Limited (1937), Dumbarton, Scotland. Whisky. 304,971, July 25, 1933. Republished Nov. 9. Class 49.

Scotia Distillers Limited (1937): *See*—
Scotia Distillers Limited.

Seaboard Packing Company: *See*—
Seacoast Canning Company.

Seacoast Canning Company, Eastport, by Seaboard Packing Company, Lubec, Maine. Canned fish. 226,618, Apr. 12, 1927. Republished Nov. 9. Class 46.

Seacoast Canning Company, Eastport, by Seaboard Packing Company, Lubec, Maine. Canned fish. 226,711, Apr. 19, 1927. Republished Nov. 9. Class 46.

Seacoast Canning Company, Eastport, by Seaboard Packing Company, Lubec, Maine. Canned fish. 230,765, Aug. 2, 1927. Republished Nov. 9. Class 46.

Searle, G. D., & Co., Chicago, Ill. Preparation used in the treatment of cardiovascular disease. 503,797, Nov. 9; Serial No. 548,764, published July 27, 1948. Class 6.

Seiberling Latex Products Company, Akron and Barberton, to Seiberling Latex Products Company, Barberton, Ohio. Druggists' rubber sundries. 250,460–2, renewed Dec. 11, 1948. O. G. Nov. 9. Class 44.

Seiberling Latex Products Company, Akron and Barberton, to Seiberling Latex Products Company, Barberton, Ohio. Druggists' rubber sundries. 250,470–1, renewed Dec. 11, 1948. O. G. Nov. 9. Class 44.

Selby Shoe Company, The, Portsmouth, Ohio. Shoes. 401,522, May 25, 1943. Republished Nov. 9. Class 39.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. 503,714, Nov. 9; Serial No. 503,225, published Aug. 10, 1948. Class 17.

Sexauer, J. A., Manufacturing Co., Inc., New York, N. Y. Tank-valve bulbs. 246,286, renewed Sept. 4, 1948. O. G. Nov. 9. Class 13.

Shellmar Products Company, by Shellmar Products Corporation, Chicago, Ill. Labels. 303,021, May 9, 1933. Republished Nov. 9. Class 37.

Shellmar Products Company, by Shellmar Products Corporation, Chicago, Ill. Wrappers, bags, and cartons. 304,495, July 11, 1933. Republished Nov. 9. Class 2.

Shellmar Products Company, Mount Vernon, Ohio, by Shellmar Products Corporation, Chicago, Ill. Merchandise containers. 331,679, Jan. 14, 1936. Republished Nov. 9. Class 2.

Shellmar Products Company, Mount Vernon, Ohio, by Shellmar Products Corporation, Chicago, Ill. Wrappers, bags, and containers. 340,424, Nov. 10, 1936. Republished Nov. 9. Class 2.

Shellmar Products Company, by Shellmar Products Corporation, Chicago, Ill. Laminated products. 345,706, May 4, 1937. Republished Nov. 9. Class 37.

Shellmar Products Company, Mount Vernon, Ohio, by Shellmar Products Corporation, Chicago, Ill. Window posters. 367,824, May 30, 1939. Republished Nov. 9. Class 38.

Shellmar Products Company, Mount Vernon, Ohio, by Shellmar Products Corporation, Chicago, Ill. Paper bags. 396,290, July 7, 1942. Republished Nov. 9. Class 2.

Shellmar Products Company, Mount Vernon, Ohio, by Shellmar Products Corporation, Chicago, Ill. Wraps of laminated transparent material. 400,602, Mar. 23, 1943. Republished Nov. 9. Class 37.

Shellmar Products Company, Mount Vernon, Ohio, by Shellmar Products Corporation, Chicago, Ill. Merchandise bags. 410,053, Nov. 7, 1944. Republished Nov. 9. Class 2.

Shellmar Products Company, Mount Vernon, Ohio, assignor to Shellmar Products Corporation, by Shellmar Products Corporation, Chicago, Ill. Laminated wrapping material. 428,964, Apr. 15, 1947. Republished Nov. 9. Class 37.

Shellmar Products Company, Mount Vernon, Ohio, assignor to Shellmar Products Corporation, by Shellmar Products Corporation, Chicago, Ill. Color printed transparent cellulose sheeting and wrappers. 428,965, Apr. 15, 1947. Republished Nov. 9. Class 37.

Shellmar Products Corporation: *See*—
Shellmar Products Company.

Shelton, Sue, Inc., assignor to The Lerner Company, New York, N. Y. Misses' and girls' sweaters, knitted dresses and jackets. 503,828, Nov. 9; Serial No. 525,691. Class 39.

Sherman-Bertram, Inc., Los Angeles, Calif. Upholstered furniture. 503,816, Nov. 9; Serial No. 513,642. Class 32.

Smith-Johnson Corporation, Los Angeles, Calif. Machine tool equipment. 431,567, July 29, 1947. Republished Nov. 9. Class 23.

Snodgrass, George E., doing business as Van Edwards Manufacturing Company, Richmond, Calif. Flexible floor mats. 441,262, Nov. 9; Serial No. 511,296, published Aug. 3, 1948. Class 50.

Snook Industries, Kansas City, Mo. Trouser hangers. 441,273, Nov. 9; Serial No. 518,785, published July 27, 1948. Class 50.

Solowey, Meyer, Philadelphia, Pa. Ladies', misses' and junior misses' dresses. 503,839, Nov. 9; Serial No. 545,655. Class 39.

Southern Farms Company: *See*—
Stauffer, S. Walter.

Southern Rice Sales Company, Inc., by River Brand Rice Mills, Inc., New York, N. Y. Rice, barley, dried peas, etc. 285,005, July 14, 1931. Republished Nov. 9. Class 46.

Southern Rice Sales Company, Inc., by River Brand Rice Mills, Inc., New York, N. Y. Rice. 339,335, Oct. 6, 1936. Republished Nov. 9. Class 46.

Southern Rice Sales Company, Inc., by River Brand Rice Mills, Inc., New York, N. Y. Rice. 347,075, June 15, 1937. Republished Nov. 9. Class 46.

Southern Wheel Company, assignor to The American Brake Shoe and Foundry Company, by American Brake Shoe Company, New York, N. Y. Car wheels. 343,135, Feb. 9, 1937. Republished Nov. 9. Class 19.

Special Products Company, Silver Spring, Md. Radio analyzing apparatus. 441,241, Nov. 9; Serial No. 494,466, published Aug. 6, 1946. Class 26.

Speed Products Co., Inc., Long Island City, N. Y. Machine staples. 503,743, Nov. 9; Serial No. 528,525, published July 20, 1948. Class 13.

Spotnails, Inc., Chicago, Ill. Fastening elements in the nature of nails. 413,423, Apr. 24, 1945. Republished Nov. 9. Class 13.

Spotnails, Inc., Chicago, Ill. Fastening elements in the nature of nails. 413,687, May 8, 1945. Republished Nov. 9. Class 13.

Spotnails, Inc., Chicago, Ill. Machines for driving securing elements in the nature of nails. 431,611, July 29, 1947. Republished Nov. 9. Class 23.

Spotts, Ernest S., Wooster, Ohio. Seeds for agricultural use. 441,284, Nov. 9; Serial No. 523,132, published Aug. 3, 1948. Class 1.

Stafford County Flour Mills Co., Hudson, Kans. Wheat flour. 167,192, Apr. 24, 1923. Republished Nov. 9. Class 46.

Standard Candy Company, Nashville, Tenn. Candy. 126,353, Aug. 19, 1919. Republished Nov. 9. Class 46.

Standard Candy Company, Nashville, Tenn. Candy. 176,608, Nov. 27, 1923. Republished Nov. 9. Class 46.

Standard Card Clothing Company, The, Stafford Springs, Conn. Card clothing and hand cards for carding. 248,269, renewed Oct. 16, 1948. O. G. Nov. 9. Class 23.

Standard Industrial Products, Inc., Evansville, Ind. Varnish, lacquer, brushing lacquer thinners, etc. 371,420, Sept. 26, 1939. Republished Nov. 9. Class 16.

Standard Laboratories, Inc., New York, N. Y. Teething lotion. 441,291, Nov. 9; Serial No. 525,416. Class 6.

Standard Oil Company, Louisville, Ky. Technical white mineral oils, and petrolatum having a general use in the industrial arts. 441,238, Nov. 9; Serial No. 485,661, published Dec. 18, 1945. Class 6.

Standard Ultramarine Co., The, Huntington, W. Va. Laundry blues. 503,783, Nov. 9; Serial No. 539,451, published July 27, 1948. Class 6.

Stanley, John T., Co. Inc., New York, N. Y. Soap, dog soap, household polishing powder, etc. 503,782, Nov. 9; Serial No. 539,362, published Aug. 3, 1948. Class 4.

Stationers' Guild of America, Philadelphia, Pa. Adding machine paper, address books, arch files, etc. 387,699, May 27, 1941. Republished Nov. 9. Classes 37, 13, and 23.

Stauffer Chemical Company, San Francisco, Calif. Sulphur, insecticides, and fungicides. 503,796, Nov. 9; Serial No. 547,785, published July 27, 1948. Class 6.

Stauffer, S. Walter, doing business as Southern Farms Company, Walkersville, Md. Pork products. 250,033, renewed Nov. 27, 1948. O. G. Nov. 9. Class 46.

Steele-Wedeles Company, Chicago, Ill. Sauce bordelaise, sauce newberg, sauce bercy, etc. 244,065, July 10, 1928. Republished Nov. 9. Class 46.

Stifel, J. L., & Sons, to J. L. Stifel & Sons, Inc., Wheeling, W. Va. Cotton piece goods. 253,066, renewed Feb. 19, 1949. O. G. Nov. 9. Class 42.

Stifel, J. L., & Sons, Inc.: *See*—
Stifel, J. L., & Sons.

Sun Oil Company, Philadelphia, Pa. Machinery lubricating oil having adhesive characteristics. 441,257, Nov. 9; Serial No. 508,624, published Aug. 3, 1948. Class 15.

Sun Vacuum Stores, Los Angeles, Calif. Electric vacuum cleaners. 419,215, Feb. 5, 1946. Republished Nov. 9. Class 21.

Superior Paper Products Company, Carnegie, Pa. Corrugated-paper shipping containers. 247,445, renewed Sept. 25, 1948. O. G. Nov. 9. Class 2.

Susan Sage Inc., New York, N. Y. Junior misses', misses', and women's dresses. 503,835, Nov. 9; Serial No. 534,558. Class 39.

Tailor Made Lawn, Inc., New York, N. Y. Cellulose material in sheet form. 441,279, Nov. 9; Serial No. 521,542, published Aug. 10, 1948. Class 1.

Talon, Inc., Meadville, Pa. Binocular cases and camera cases. 503,739, Nov. 9; Serial No. 527,892, published July 13, 1948. Class 26.

Tanenbaum, Jacob, New York, N. Y. Hair nets. 503,805, Nov. 9; Serial No. 497,350. Class 39.

Tanco Manufacturing Company, Milwaukee, Wis., by Rockwell Manufacturing Company, Pittsburgh, Pa. Motor-driven woodworking and metal working machines. 340,756, Nov. 17, 1936. Republished Nov. 9. Class 23.

Taylor-Bramley Company, The, Chicopee Falls, Mass. Infants' and children's clothing. 251,648, renewed Jan. 8, 1949. O. G. Nov. 9. Class 39.

Thermet Fire Extinguishers, Inc., Reno, Nev. Chemical fire extinguishers. 503,731, Nov. 9; Serial No. 526,554, published July 13, 1948. Class 6.

Tomatin Distillers Co., Ltd.: *See*—
New Tomatin Distillers Company Limited, The.

Traubee Products, Inc., Brooklyn, N. Y. Cooking utensils. 441,267, Nov. 9; Serial No. 516,742, published Aug. 3, 1948. Class 13.

Tree-Gold Cooperative Growers of Florida, Orlando, by Gentile Bros. Company, Winter Park, Fla. Fresh citrus fruits. 331,355, Jan. 7, 1936. Republished Nov. 9. Class 46.

Tree-Gold Cooperative Growers of Florida, Orlando, by Gentile Bros. Company, Winter Park, Fla. Fresh citrus fruits. 332,146, Feb. 4, 1936. Republished Nov. 9. Class 46.

Tree-Gold Cooperative Growers of Florida, Orlando, by Gentile Bros. Company, Winter Park, Fla. Citrus fruits. 332,840, Feb. 25, 1936. Republished Nov. 9. Class 46.

Tree-Gold Cooperative Growers of Florida, Orlando, by Gentile Bros. Company, Winter Park, Fla. Fresh citrus fruits. 333,136, Mar. 10, 1936. Republished Nov. 9. Class 46.

Tree-Gold Cooperative Growers of Florida, Orlando, by Gentile Bros. Company, Winter Park, Fla. Fresh citrus fruits. 333,432, Mar. 24, 1936. Republished Nov. 9. Class 46.

Tree-Gold Cooperative Growers of Florida, Orlando, by Gentile Bros. Company, Winter Park, Fla. Fresh citrus fruits. 333,959, Apr. 14, 1936. Republished Nov. 9. Class 46.

Trees, C. E., & Co., Inc., Indianapolis, Ind. Non-alcoholic, noncereal, maltless beverage. 385,862, Mar. 18, 1941. Republished Nov. 9. Class 45.

Treesdale Laboratories, Inc., Pittsburgh, Pa. Liquid detergent composition for rugs, carpets, and upholstery. 441,247, Nov. 9; Serial No. 504,222, published Jan. 13, 1946. Class 4.

Ulmer Pharmacal Company: *See*—
Physicians & Hospitals Supply Company, Inc.

Unexcelled Chemical Corporation, New York, N. Y. Insect repellent compositions. 441,254, Nov. 9; Serial No. 508,256, published Aug. 10, 1948. Class 6.

Union Rubber & Asbestos Co., Trenton, N. J. Paper and rubber cement. 503,793, Nov. 9; Serial No. 544,406, published Aug. 10, 1948. Class 5.

United Co-Operatives, Inc., Alliance, Ohio. Feed boxes, water cups, metal hog feeders, etc. 380,606, Aug. 27, 1940. Republished Nov. 9. Class 50.

United Co-Operatives, Inc., Alliance, Ohio. Spray materials. 384,494, Jan. 21, 1941. Republished Nov. 9. Class 6.

United Co-Operatives, Inc., Alliance, Ohio. Spark plugs. 384,576, Jan. 21, 1941. Republished Nov. 9. Class 21.

United Mills Corporation: *See*—
Ottumwa Mercantile Co., The.

United Profit-Sharing Corporation, New York, N. Y. Premium coupons. 251,177, Jan. 1, 1929. Republished Nov. 9. Class 38.

United Profit-Sharing Corporation, New York, N. Y. Trade coupons. 255,908, Apr. 30, 1929. Republished Nov. 9. Class 38.

United Profit-Sharing Corporation, New York, N. Y. Periodical published annually. 262,568, Oct. 15, 1929. Republished Nov. 9. Class 38.

United States Rubber Company, New York, N. Y. Golf balls. 246,613, renewed Sept. 11, 1948. O. G. Nov. 9. Class 22.

United World Films, Inc., New York, N. Y. Motion picture films. 503,767, Nov. 9; Serial No. 535,201, published July 20, 1948. Class 26.

Utility Co., Inc., The, New York, N. Y. Detergent for cleansing the skin, kitchen utensils, tile, etc. 503,781, Nov. 9; Serial No. 538,471, published June 1, 1948. Class 4.

Valerie Jean Date Shop: *See*—
Nicoll, R. C.

Vanadium Corporation of America, New York, N. Y. Alloys. 244,654, July 24, 1928. Republished Nov. 9. Class 14.

Van Ameringen, Arnold L., by van Ameringen-Haebler, Inc., New York, N. Y. Perfumes, essences of perfumes, essences for perfumery materials, etc. 245,404, Aug. 14, 1928. Republished Nov. 9. Class 6.

Van Ameringen-Haebler, Inc.: *See*—
Van Ameringen, Arnold L.

Van Brode Milling Co., Inc., Clinton, Mass. Cereal breakfast foods. 503,726, Nov. 9; Serial No. 522,546, published Aug. 10, 1948. Class 46.

Vandervort, G. W., Company, The, Portsmouth, Ohio. Cast iron soil pipe and fittings. 441,268, Nov. 9; Serial No. 516,745, published July 27, 1948. Class 13.

Van Edwards Manufacturing Company: *See*—
Snodgrass, George E.

Verley, Albert, & Company, Inc.: *See*—
Verley, Albert, Inc.

Verley, Albert, Inc., to Albert Verley & Company, Inc., Chicago, Ill. Chemicals, aldehydes, alcohols, and natural and synthetic essential oils. 227,141, renewed Jan. 5, 1948. O. G. Nov. 9. Class 6.

Victory Optical Manufacturing Company, Newark, N. J. Spectacle frames made of plastic material. 503,764, Nov. 9; Serial No. 534,069, published July 20, 1948. Class 26.

Victory Plastics Co., Hudson, Mass. Ash trays. 441,256, Nov. 9; Serial No. 508,458, published Aug. 10, 1948. Class 8.

Vinick, Nell, New York, N. Y. Magazine articles. 248,579, renewed Oct. 23, 1948. O. G. Nov. 9. Class 38.

Virginia Electric Manufacturing Corporation, Charlottesville, Va. Electric fuses, non-renewable. 405,194, Jan. 11, 1944. Republished Nov. 9. Class 21.

Walgreen Co., Chicago, Ill. Radio receiving sets and antennae. 338,779, Sept. 15, 1936. Republished Nov. 9. Class 21.

Walker, Clarence H., Jr., doing business as Floral Service, San Mateo, Calif. Cut flowers, foliage, decorative floral pieces, etc. 441,287, Nov. 9; Serial No. 525,463, published Aug. 10, 1948. Class 1.

Wall Rogalsky Milling Company, The, McPherson, Kans. Wheat flour. 269,679, Apr. 15, 1930. Republished Nov. 9. Class 46.

Wall-Rogalsky Milling Company, The, McPherson, Kans. Self-rising flour. 305,147, Aug. 8, 1933. Republished Nov. 9. Class 46.

Wall St. Clothes, Inc.: *See*—
Wollner & Smith.

Wardwell Braiding Machine Company, Central Falls, R. I. Braiding-machines and parts thereof. 134,200, Aug. 17, 1920. Republished Nov. 9. Class 23.

Warren, S. D., Company, Boston, Mass. Printing paper. 125,374, May 13, 1919. Republished Nov. 9. Class 37.

Warren, S. D., Company, Boston, Mass. Printing paper. 155,114, May 16, 1922. Republished Nov. 9. Class 37.

Weber Costello Co., Chicago Heights, Ill. Writing boards also known as blackboards. 503,761, Nov. 9; Serial No. 532,785, published July 27, 1948. Class 50.

Weil, Myron B., Ltd., New York, N. Y. Coal and coke. 441,283, Nov. 9; Serial No. 522,778, published Aug. 10, 1948. Class 1.

Weisbaum Bros., Brower Company, The, by Beau Brummell Ties, Inc., Cincinnati, Ohio. Men's neckties and mufflers. 337,134, July 28, 1936. Republished Nov. 9. Class 39.

Weisbaum Bros., Brower Company, The, by Beau Brummell Ties, Inc., Cincinnati, Ohio. Men's neckties. 338,729, Sept. 15, 1936. Republished Nov. 9. Class 39.

Weisbaum Bros., Brower Company, The, by Beau Brummell Ties, Inc., Cincinnati, Ohio. Men's neckties. 351,049, Oct. 19, 1937. Republished Nov. 9. Class 39.

Wersba, Charles, New York, N. Y. Foot socks. 503,814, Nov. 9; Serial No. 513,083. Class 39.

Westall, Evelyn, doing business as Evelyn Westall Co., New York, N. Y. Perfume, toilet water, and cologne. 402,138, June 29, 1943. Republished Nov. 9. Class 6.

Westall, Evelyn, Co.: *See*—
Westall, Evelyn.

Wheeler Paper Corporation, Albany, N. Y. Toilet paper. 284,433, June 30, 1931. Republished Nov. 9. Class 37.

Wheeler Paper Corporation, Albany, N. Y. Toilet paper. 284,757, July 7, 1931. Republished Nov. 9. Class 37.

Wheeler Paper Corporation, Albany, N. Y. Toilet tissue. 340,551, Nov. 17, 1936. Republished Nov. 9. Class 37.

Wheeler Paper Corporation, Albany, N. Y. Paper towels. 423,566, Sept. 3, 1946. Republished Nov. 9. Class 37.

Wheeler Paper Corporation, Albany, N. Y. Paper towels. 423,573, Sept. 3, 1946. Republished Nov. 9. Class 37.

White Mountain Freezer Company, Inc., The, Nashua, N. H. Ice cream freezers. 431,693, July 29, 1947. Republished Nov. 9. Class 31.

Whiting, C. R., Co. Inc.: *See*—
Whiting, C. R., Co., Inc.

Whiting, C. R., Co., Inc., Newark, to C. R. Whiting Co. Inc., Hackensack, N. J. Plain, coated, or decorated paper. 249,735, renewed Nov. 20, 1948. O. G. Nov. 9. Class 37.

Whiting & Company Incorporated: *See*—
Whiting Paper Company.

Whiting Paper Company, by Whiting & Company Incorporated, Holyoke, Mass. Writing paper. 31,704, June 21, 1898. Republished Nov. 9. Class 37.

Willer, William, doing business as Roswill Laboratories, Washington, D. C. Mouth rinse. 503,841, Nov. 9; Serial No. 551,502. Class 6.

Williams & Humbert, by Williams & Humbert Limited, London, England. Wines. 306,232, Sept. 12, 1933. Republished Nov. 9. Class 47.

Williams & Humbert Limited: *See*—
Williams & Humbert.

Wilson, Andrew, Inc., Springfield, N. J. Insecticides. 503,777, Nov. 9; Serial No. 537,265, published July 27, 1948. Class 6.

Wilson Chemical Company, The: *See*—
Wilson, George C.

Wilson Chemical Company, Inc., The: *See*—
Wilson, George C.

Wilson, George C., doing business as The Wilson Chemical Company, by The Wilson Chemical Company, Inc., Tyrone, Pa. Toilet preparations. 216,967, Aug. 24, 1926. Republished Nov. 9. Class 6.

Winter Haven Citrus Growers Association, Winter Haven, Fla. Oranges, lemons, grape-fruit, etc. 91,147, Apr. 15, 1913. Republished Nov. 9. Class 46.

Wollner & Smith, by Wall St. Clothes, Inc., New York, N. Y. Goods in the piece. 300,255, Jan. 10, 1933. Republished Nov. 9. Class 42.

Wood, Alexander, & Son, Peterhead, Scotland. Pickled herrings in barrels. 104,580, June 1, 1915. Republished Nov. 9. Class 46.

Wood, Alexander, & Son, Peterhead, Scotland. Herrings. 269,423, Apr. 8, 1930. Republished Nov. 9. Class 46.

Wood, T. W., & Sons, Richmond, Va. Scratch food for fowl. 173,336, Sept. 25, 1923. Republished Nov. 9. Class 46.

Wood, T. W., & Sons, Richmond, Va. Ensilage corn. 184,633, May 27, 1924. Republished Nov. 9. Class 46.

Wood, T. W., & Sons, Richmond, Va. Grass seed. 217,629, Sept. 7, 1926. Republished Nov. 9. Class 1.

Wood, T. W., & Sons, Richmond, Va. Field, garden, and lawn seed. 298,919, Nov. 15, 1932. Republished Nov. 9. Class 1.

Wood, T. W., & Sons, Richmond, Va. Seed corn. 298,946, Nov. 15, 1932. Republished Nov. 9. Class 1.

Wood, T. W., & Sons, Richmond, Va. Grass seed. 327,934, Sept. 10, 1935. Republished Nov. 9. Class 1.

Woodhull, John F., doing business as Woody's Fishing Tackle Shop, Elmira, N. Y. Fish lures. 503,818, Nov. 9; Serial No. 515,735. Class 22.

Woodmark Industries Incorporated, Minneapolis, Minn. Roller wheel assemblies. 503,746, Nov. 9; Serial No. 529,122, published July 20, 1948. Class 13.

Woody's Fishing Tackle Shop: *See*—
Woodhull, John F.

Woolworth, F. W., Co., New York, N. Y. Combination calendar and engagement book. 400,535, Mar. 16, 1943. Republished Nov. 9. Class 37.

Wooster Brass Company, The, Wooster, Ohio. Beverage dispensing faucets. 503,751, Nov. 9; Serial No. 529,517, published July 27, 1948. Class 13.

World's Dispensary Medical Association, by Pierce's Proprietaries, Inc., Buffalo, N. Y. Proprietary medicines and remedies. 119,157, Oct. 23, 1917. Republished Nov. 9. Class 6.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Washing composition. 503,800, Nov. 9; Serial No. 549,687, published Aug. 3, 1948. Class 4.

Wyn, A. A., Inc.: *See*—
Magazine Publishers, Inc.

Yester-Laid Egg Farms: *See*—
Meyerhoff, Jack.

Yolanda Packing Company: *See*—
Clemente, Lorenzo.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Asbestos, Partly prepared. Keasbey & Mattison Company. 441,260, Nov. 9; Serial No. 510,179, published Aug. 3, 1948.

Cellulose material in sheet form. Tailor Made Lawn, Inc. 441,279, Nov. 9; Serial No. 521,542, published Aug. 10, 1948.

Coal. Campbell's Creek Coal Co. 222,440, Jan. 4, 1927. Republished Nov. 9.

Coal. Reliance Coal and Coke Co. 153,291, Mar. 14, 1922. Republished Nov. 9.

Coal. C. L. Ryley Coal Company. 151,223, Jan. 24, 1922. Republished Nov. 9.

Coal and coke. Myron B. Weil, Ltd. 441,283, Nov. 9; Serial No. 522,778, published Aug. 10, 1948.

Condensation product, Laminated phenolic. Diamond State Fibre Company. 179,668, Feb. 12, 1924. Republished Nov. 9.

Flowers, Cut, foliage, decorative floral pieces, etc. C. H. Walker, Jr. 441,287, Nov. 9; Serial No. 525,463, published Aug. 10, 1948.
Grass seed. T. W. Wood & Sons. 217,629, Sept. 7, 1926, Republished Nov. 9.
Grass seed. T. W. Wood & Sons. 327,934, Sept. 10, 1935. Republished Nov. 9.
Litter, Poultry. W. Durbrow. 89,449, Dec. 17, 1912. Republished Nov. 9.
Molding composition, Thermoplastic. Dumor Plastics Inc. 503,779, Nov. 9; Serial No. 537,791, published Aug. 3, 1948.
Peat moss. Atkins & Durbrow, Inc. 294,771, June 7, 1932. Republished Nov. 9.
Phosphates, Inorganic. Monsanto Chemical Company. 503,712, Nov. 9; Serial No. 497,954, published Aug. 10, 1948.
Rods, tubes and partly prepared articles. Industrial Synthetics Corporation. 441,276, Nov. 9; Serial No. 520,625, published Aug. 3, 1948.
Sand, gravel, rough stone and commercial slag. Arundel Corporation. 503,824, Nov. 9; Serial No. 520,250.
Seed corn. T. W. Wood & Sons. 298,946, Nov. 15, 1932. Republished Nov. 9.
Seed, Field, garden and lawn. T. W. Wood & Sons. 298,919, Nov. 15, 1932. Republished Nov. 9.
Seed, Hybrid. Bear Hybrids Corn Co. 503,710, Nov. 9; Serial No. 493,424, published Aug. 10, 1948.
Seeds, bulbs, and plants, Vegetable and flower; and soil. Wm. Henry Maule Co. 441,280–2, Nov. 9; Serial Nos. 521,885–7, published Aug. 10, 1948.
Seeds for agricultural use. E. S. Spotts. 441,284, Nov. 9; Serial No. 523,132, published Aug. 3, 1948.

CLASS 2

Bags, Merchandise. Shellmar Products Company. 410,053, Nov. 7, 1944. Republished Nov. 9.
Bags, Paper. Shellmar Products Company. 396,290, July 7, 1942. Republished Nov. 9.
Baskets, etc., Folding wire and metal laundry, clothes, and shopping. Leipzig & Lippe, Inc. 441,278, Nov. 9; Serial No. 521,492, published Nov. 18, 1947.
Baskets, Flower. George Koch Sons, Inc. 402,583, Aug. 3, 1943. Republished Nov. 9.
Boxes, Wooden. General Box Company. 503,776, Nov. 9; Serial No. 537,171, published Aug. 17, 1948.
Cases, Vanity, compacts, and lipstick holders. Les Parfums de Dana, Inc. 503,785, Nov. 9; Serial No. 539,964, published Aug. 10, 1948.
Cases, Vanity, compacts and lipstick holders. Les Parfums de Dana, Inc. 503,788, Nov. 9; Serial No. 542,601, published Aug. 17, 1948.
Containers, Corrugated-paper shipping. Superior Paper Products Company. 247,445, renewed Sept. 25, 1948. O. G. Nov. 9.
Containers, Merchandise. Shellmar Products Company. 331,679, Jan. 14, 1936. Republished Nov. 9.
Dispensers, Tape. Minnesota Mining & Manufacturing Company. 503,709, Nov. 9; Serial No. 489,594, published Aug. 17, 1948.
Tool boxes, Unfitted. D. J. Anderson, Inc. 441,288, Nov. 9; Serial No. 525,528, published Aug. 3, 1948.
Wrappers, bags and cartons. Shellmar Products Company. 304,495, July 11, 1933. Republished Nov. 9.
Wrappers, bags and containers. Shellmar Products Company. 340,424, Nov. 10, 1936. Republished Nov. 9.

CLASS 3

Handbags, Children's and misses'. Pyramid Leather Goods Company. 382,962, Nov. 19, 1940. Republished Nov. 9.
Handbags, Ladies', misses' and children's. Pyramid Leather Goods Company. 411,459, Jan. 16, 1945. Republished Nov. 9.
Portfolios, brief cases, hand bags, suitcases, etc. Kaufmann Department Stores, Inc. 246,592, renewed Sept. 11, 1948. O. G. Nov. 9.

CLASS 4

Bicarbonate of soda (baking soda). Church & Dwight Co., Inc. 503,733, Nov. 9; Serial No. 526,783, published Aug. 3, 1948.
Cleaner, Cream hand. Caddo Products Company. 503,801, Nov. 9; Serial No. 530,993, published Aug. 3, 1948.
Cleaning and polishing compound for metal, Solid, or semi-solid. P. Montesanto. 503,819, Nov. 9; Serial No. 518,847.
Cleansers used as dairy cleansers and cleansers for general purposes. Minnesota Chemical Company. 441,250, Nov. 9; Serial No. 509,862, published Aug. 5, 1947.
Composition, Washing. Wyandotte Chemicals Corporation. 503,800, Nov. 9; Serial No. 549,687, published Aug. 3, 1948.
Detergent composition for rugs, carpets, and upholstery, Liquid. Treesdale Laboratories, Inc. 441,247, Nov. 9; Serial No. 504,222, published Jan. 13, 1946.
Detergent for cleansing the skin, kitchen utensils, tile, etc. Utility Co., Inc. 503,781, Nov. 9; Serial No. 538,471, published June 1, 1948.
Dressing and polish, Shoe. Henderson Brothers Corporation. 326,378, July 23, 1935. Republished Nov. 9.
Polisher, Steel, of abrasive rubber. E. Faber. 72,746, Feb. 16, 1909. Republished Nov. 9.
Soap. Polk Miller Products Corporation. 223,870, Feb. 15, 1927. Republished Nov. 9.
Soap. Polk Miller Products Corporation. 331,350, Jan. 7, 1936. Republished Nov. 9.
Soap. Polk Miller Products Corporation. 331,353, Jan. 7, 1936. Republished Nov. 9.
Soap. L. G. Rothchild. 441,269, Nov. 9; Serial No. 517,165, published Nov. 4, 1947.
Soap, Bar. Procter & Gamble Company. 439,963, Aug. 3, 1948. Corrected. O. G. Nov. 9.
Soap, Dog. Polk Miller Products Corporation. 218,757, Oct. 5, 1926. Republished Nov. 9.
Soap, dog soap, household polishing powder, etc. John T. Stanley Co. Inc. 503,782, Nov. 9; Serial No. 539,362, published Aug. 3, 1948.
Strops, Razor. Ingersoll Stropper Co. 441,250, Nov. 9; Serial No. 507,316, published Aug. 3, 1948.

CLASS 5

Adhesives for household or industrial uses. Miracle Adhesives Corporation. 429,906, May 20, 1947. Corrected. O. G. Nov. 9.
Cement, Paper and rubber. Union Rubber & Asbestos Co. 503,793, Nov. 9; Serial No. 544,406, published Aug. 10, 1948.
Tape, Gummed textile-fabric. Mid-States Gummed Paper Co. 503,787, Nov. 9; Serial No. 542,399, published Aug. 10, 1948.

CLASS 6

Ammonia, bleaching water, and gloss starch. Rival Foods, Inc. 429,257, Apr. 29, 1947. Republished Nov. 9.
Ammonium ichthosulfonate used for the treatment of skin diseases. Mallinckrodt Chemical Works. 503,735, Nov. 9; Serial No. 526,935, published Aug. 10, 1948.
Antacid powder. De Free Company. 503,789, Nov. 9; Serial No. 542,633, published Aug. 10, 1948.
Blues, Laundry. Standard Ultramarine Co. 503,783, Nov. 9; Serial No. 539,451, published July 27, 1948.
Calcium and phosphate preparation. R. I. Guy. 503,790, Nov. 9; Serial No. 543,702, published Aug. 10, 1948.
Capsules and a liquid preparation for dogs. Polk Miller Products Corporation. 226,819, Apr. 19, 1927. Republished Nov. 9.
Chemical compound. Clean Sweep Co. 441,244, Nov. 9; Serial No. 497,845, published Aug. 10, 1948.
Chemical compounds, being benzene derivatives of the glycols. Nipa Laboratories, Ltd. 441,266, Nov. 9; Serial No. 513,269, published Aug. 10, 1948.
Chemical compounds having water-softening qualities. Oakite Products, Inc. 330,255, Nov. 26, 1935. Republished Nov. 9.
Chemicals, aldehydes, alcohols, and natural and synthetic essential oils. Albert Verley, Inc. 227,141, renewed Jan. 5, 1948. O. G. Nov. 9.
Chemicals for protection against moths. I. G. Farbenindustrie Aktiengesellschaft. 252,556, renewed Feb. 12, 1949. O. G. Nov. 9.
Coloring material, Flame. Fiske, Inc. 441,249, Nov. 9; Serial No. 507,312, published Aug. 10, 1948.
Cosmetics and beauty preparations. Jacqueline Cochran. 343,838, Mar. 9, 1937. Republished Nov. 9.
Cream, Sun-tan, and sun-tan oil. Copper Tan, Inc. 503,807, Nov. 9; Serial No. 502,524.
Deodorant. McKesson & Robbins, Incorporated. 246,008–9, renewed Aug. 28, 1948. O. G. Nov. 9.
Deodorants, Personal use, after shave lotions, hair dressing, etc. Beau Brummell Ties, Inc., Toiletries Div. 421,954, June 25, 1946. Republished Nov. 9.
Disinfectant. Polk Miller Products Corp. 408,549, Aug. 15, 1944. Republished Nov. 9.
Disinfectant for general use, flea powder, mange medicine, etc. Polk Miller Products Corporation. 223,439, Feb. 1, 1927. Republished Nov. 9.
Dyes. Food Materials Corporation. 247,574, renewed Oct. 2, 1948. O. G. Nov. 9.
Esters. Quaker Chemical Products Corp. 503,754, Nov. 9; Serial No. 530,429, published May 4, 1948.
Eyewash. McKesson & Robbins, Incorporated. 245,983, renewed Aug. 28, 1948. O. G. Nov. 9.
Face cream. Maison Evilya. 441,255, Nov. 9; Serial No. 508,298, published Aug. 10, 1948.
Face creams, face powders, hand, skin, and face lotions, etc. Beauty Counselors, Inc. 386,217, Apr. 1, 1941. Republished Nov. 9.
Fire extinguishers, Chemical. Thermet Fire Extinguishers, Inc. 503,731, Nov. 9; Serial No. 526,554, published July 13, 1948.
Food colorings. Blanke-Baer Extract & Preserving Company. 503,802, Nov. 9; Serial No. 527,442, published Jan. 13, 1948. Consolidated certificate. Classes 6, 45, and 46.
Food supplement for dogs, Therapeutic. Polk Miller Products Corporation. 369,186, July 18, 1939. Republished Nov. 9.
Gas, Bottled. Cooperative Seed and Farm Supply Service, Inc. 503,723, Nov. 9; Serial No. 519,515, published July 27, 1948.
Hair-growing preparations. D. Franklin. 127,832, Dec. 9, 1919. Republished Nov. 9, 1948.
Hair oil, after shave lotion, shaving cream, and talcum powder. Myra Deane Company. 503,836, Nov. 9; Serial No. 535,832.

Hepatic insufficiency, intestinal putrefaction, habitual constipation, and gall-stones. Paul Plessner Co. 114,543, Dec. 19, 1916. Republished Nov. 9.
Insect repellent compositions. Unexcelled Chemical Corporation. 441,254, Nov. 9; Serial No. 508,256, published Aug. 10, 1948.
Insecticides. Andrew Wilson, Inc. 503,777, Nov. 9; Serial No. 537,265, published July 27, 1948.
Iodine preparation. R. I. Guy. 503,791, Nov. 9; Serial No. 543,703, published Aug. 10, 1948.
Lanolin, Liquid. Robinson, Wagner Co., Inc. 441,286, Nov. 9; Serial No. 524,624, published July 27, 1948.
Laxative. Calotabs Company. 503,798, Nov. 9; Serial No. 548,926, published Aug. 10, 1948.
Liniments. A. Nazaroff. 251,069, Dec. 25, 1928. Republished Nov. 9.
Lipsticks. Chebra, Inc. 503,727, Nov. 9; Serial No. 522,622, published Aug. 10, 1948.
Lotion. Peoples Drug Stores Inc. 239,254, renewed Feb. 28, 1948. O. G. Nov. 9.
Lotion, Hand. G. Salée. 441,248, Nov. 9; Serial No. 506,770, published Aug. 10, 1948.
Lotion, Teething. Standard Laboratories, Inc. 441,291, Nov. 9; Serial No. 525,416.
Medical preparation. Physicians & Hospitals Supply Company. 441,237, Nov. 9; Serial No. 483,917, published Oct. 16, 1945.
Medicinal preparation. Burroughs Wellcome & Co. (U. S. A.) Inc. 503,747, Nov. 9; Serial No. 529,140, published July 27, 1948.
Medicinal preparation. A. Doxakis. 249,128, renewed Nov. 6, 1948. O. G. Nov. 9.
Medicine. F. V. Lippman. 71,170, re-renewed Nov. 3, 1948. O. G. Nov. 9.
Medicines and remedies, Proprietary. World's Dispensary Medical Association. 119,157, Oct. 23, 1917. Republished Nov. 9.
Medicines for dogs. Polk Miller Products Corp. 288,109, June 10, 1941. Republished Nov. 9.
Mineral oil. McKesson & Robbins, Incorporated. 246,743, renewed Sept. 11, 1948. O. G. Nov. 9.
Mineral oils, Technical white, and petrolatum having a general use in the industrial arts. Standard Oil Company. 441,238, Nov. 9; Serial No. 485,661, published Dec. 18, 1945.
Mouth rinse. W. Willer. 503,841, Nov. 9; Serial No. 551,502.
Oil, Facial, facial creams, facial astringent, etc. Robanel. 503,724, Nov. 9; Serial No. 520,569, published July 13, 1948.
Oils, Natural and synthetic. H. Flamhaft. 252,730, renewed Feb. 12, 1949. O. G. Nov. 9.
Ointment. McKesson & Robbins, Incorporated. 246,194, renewed Sept. 4, 1948. O. G. Nov. 9.
Ointment. McKesson & Robbins, Incorporated. 246,196, renewed Sept. 4, 1948. O. G. Nov. 9.
Ointment, Antiseptic. McKesson & Robbins, Incorporated. 246,230, renewed Sept. 4, 1948. O. G. Nov. 9.
Ointment, Mustard. McKesson & Robbins, Incorporated. 246,504, renewed Sept. 11, 1948. O. G. Nov. 9.
Perfume, toilet water, and cologne. E. Westall. 402,138, June 29, 1943. Republished Nov. 9.
Perfume, toilet water, skin creams, etc. Elizabeth Arden, Inc. 249,444, renewed Nov. 13, 1948. O. G. Nov. 9.
Perfumes, essences of perfumes, essences for perfumery materials, etc. A. L. van Ameringen. 245,404, Aug. 14, 1928. Republished Nov. 9.
Phosphate, Defluorinated. International Minerals and Chemical Croporation. 503,786, Nov. 9; Serial No. 540,191, published July 27, 1948.
Powder, Flea. Polk Miller Products Corporation. 331,354, Jan. 7, 1936. Republished Nov. 9.
Powder, Flea. Polk Miller Products Corporation. 331,357, Jan. 7, 1936. Republished Nov. 9.
Powder, Flea. Polk Miller Products Corporation. 331,533, Jan. 14, 1936. Republished Nov. 9.
Powder, Flea. Polk Miller Products Corp. 362,260–1, Nov. 15, 1938. Republished Nov. 9.
Powder, Flea or insect. Polk Miller Products Corporation. 217,083, Aug. 24, 1926. Republished Nov. 9.
Preparation for the relief of indigestion. McKesson & Robbins, Incorporated. 246,398, renewed Sept. 4, 1948. O. G. Nov. 9.
Preparation for use in the treatment of headache, backache, and toothache. Marswell, Incorporated. 249,830, renewed Nov. 20, 1948. O. G. Nov. 9.
Preparation in powdered form for administration to and application to racing and homing pigeons, poultry, fowl, etc. Fast Flight Company. 441,258, Nov. 9; Serial No. 508,840, published Aug. 10, 1948.
Preparation used in the treatment of cardiovascular disease. G. D. Searle & Co. 503,797, Nov. 9; Serial No. 548,764, published July 27, 1948.
Preparations containing active hormonal compounds in the form of tablets, etc. Ciba Pharmaceutical Products, Inc. 503,794–5, Nov. 9; Serial Nos. 545,952–3, published July 27, 1948.
Preparations for the treatment of chronic rheumatism, gout, pimples, etc. S. B. Leonardi & Co., Inc. 253,557, renewed Feb. 26, 1949. O. G. Nov. 9.
Product phenyl-azo-alpha-alpha-diamino-pyridine hydrochloride and base. Mallinckrodt Chemical Works. 503,734, Nov. 9; Serial No. 526,934, published Aug. 10, 1948.
Remedies, Eye. Murine Company, Inc. 240,437, Mar. 27, 1928. Republished Nov. 9.
Remedy for dandruff, Liquid. J. L. Needham. 93,012, Aug. 12, 1913. Republished Nov. 9.
Repellent and preparation, Insect. Chemical Research Products, Inc. 441,265, Nov. 9; Serial No. 512,640, published Aug. 10, 1948.
Resin compositions, Synthetic. Monsanto Chemical Company. 503,718, Nov. 9; Serial No. 513,671, published July 27, 1948.
Rouge and lipstick. Richard Hudnut. 441,251, Nov. 9; Serial No. 507,855, published Aug. 10, 1948.
Shampoo. McKesson & Robbins, Incorporated. 246,013, renewed Aug. 28, 1948. O. G. Nov. 9.
Softener, Water, talcum powder, cologne, and bath oil. Bathasweet Corporation. 503,799, Nov. 9; Serial No. 549,046, published Aug. 10, 1948.
Solution for the relief of congestion of the mucous membranes of the nose and throat. Parke, Davis & Company. 503,760, Nov. 9; Serial No. 532,336, published Aug. 10, 1948.
Spirits of ammonia, Aromatic, castor oil, carbolated petrolatum, etc. Kendall Company. 300,569, Jan. 24, 1933. Republished Nov. 9.
Spray materials. United Co-Operatives, Inc. 384,494, Jan. 21, 1941. Republished Nov. 9.
Sulphonates, Petroleum. Griffin Chemical Company. 503,758, Nov. 9; Serial No. 531,792, published Aug. 3, 1948.
Sulphur, insecticides, and fungicides. Stauffer Chemical Company. 503,796, Nov. 9; Serial No. 547,785, published July 27, 1948.
Toilet preparations. G. C. Wilson. 216,967, Aug. 24, 1926. Republished Nov. 9.
Tonic, General. McKesson & Robbins, Incorporated. 246,745, renewed Sept. 11, 1948. O. G. Nov. 9.
Tonics and laxatives, Alternative general. McKesson & Robbins, Incorporated. 245,986, renewed Aug. 28, 1948. O. G. Nov. 9.
Vitamin B preparation. R. I. Guy. 503,792, Nov. 9; Serial No. 543,707, published Aug. 10, 1948.
Vitamin preparation, Multiple. Abbott Laboratories. 503,756, Nov. 9; Serial No. 531,572, published Mar. 2, 1948.
Vitamin products and a bulk laxative preparation. P. C. Bragg. 503,774, Nov. 9; Serial No. 536,871, published Aug. 10, 1948.
Waterproofing compound, Liquid chemical. Empire Varnish Company. 503,717, Nov. 9; Serial No. 512,901, published Aug. 3, 1948.

CLASS 8

Ash trays. Victory Plastics Co. 441,256, Nov. 9; Serial No. 508,458, published Aug. 10, 1948.
Cases, Cigarette. Pioneer Suspender Company. 503,716, Nov. 9; Serial No. 511,288, published Aug. 10, 1948.

CLASS 9

Caps for toy pistols. J. Halpern Company. 313,889, June 12, 1934. Republished Nov. 9.
Fuses. Bolser Corporation. 381,487, Sept. 24, 1940. Republished Nov. 9.
Matches. Rival Foods, Inc. 419,636, Feb. 26, 1946. Republished Nov. 9.
Powder, Smokeless. Laflin & Rand Powder Company. 72,658, re-renewed Feb. 9, 1949. O. G. Nov. 9.

CLASS 10

Fertilizer and soil conditioner, Combination. Atkins & Durbrow, Inc. 417,642, Nov. 6, 1945. Republished Nov. 9.
Fertilizer, Complete, mixed. Fidelity Chemical Corporation. 390,192, Sept. 9, 1941. Republished Nov. 9.
Fertilizer, Prepared. Fort Smith Cotton Oil Co. 340,427, Nov. 10, 1936. Republished Nov. 9.

CLASS 11

Typewriter ribbons and carbon paper. Codo Manufacturing Corporation. 410,438, Nov. 28, 1944. Republished Nov. 9.

CLASS 12

Asphaltic compounds, Plastic. Permaflex Products Co. 441,277, Nov. 9; Serial No. 521,463, published July 27, 1948.
Bricks, Refractory, blocks, and shapes, etc. Joseph Dixon Crucible Company. 441,263, Nov. 9; Serial No. 511,800, published July 13, 1948.
Cement preparation, Asbestos and asphalt. Rutland Fibre Clay Company. 503,778, Nov. 9; Serial No. 537,734, published July 27, 1948.
Cement product. Bird-Archer Company. 315,338, July 24, 1934. Republished Nov. 9.
Culverts and parts therefor, Ferrous metal. American Rolling Mill Company. 503,740, Nov. 9; Serial No. 527,910, published July 27, 1948.

Fibre board, thermal insulating board; composite board, etc. Masonite Corporation. 252,120, renewed Jan. 22, 1949. O. G. Nov. 9.
Filler, Plastic. Evans Chemical Corporation. 441,236, Nov. 9; Serial No. 482,792, published July 20, 1948.
Flooring and interior wood trim, Oak and maple. Harris Manufacturing Company. 290,424, Jan. 5, 1932. Republished Nov. 9.
Guard rails, Ferrous metal. American Rolling Mill Company. 503,738, Nov. 9; Serial No. 527,730, published July 13, 1948.
Head-walls, arches, back walls, Corrugated ferrous metal, etc. American Rolling Mill Company. 503,737, Nov. 9; Serial No. 527,663, published July 13, 1948.
Insulation material, Thermal and acoustical. Kimberly-Clark Corporation. 503,745, Nov. 9; Serial No. 528,933, published July 27, 1948.
Joists, Metal. Davisbilt Steel Joist, Inc. 503,812, Nov. 9; Serial No. 512,110.
Plywood covered with stainless steel, Laminated, etc. Met-L-Wood Corporation. 503,757, Nov. 9; Serial No. 531,613, published July 13, 1948.
Roof cement, Asbestos. J. F. Kurfees Paint Company. 503,769, Nov. 9; Serial No. 535,541, published July 27, 1948.
Roof cement, Asbestos. J. F. Kurfees Paint Company. 503,770, Nov. 9; Serial No. 535,558, published July 27, 1948.
Roof cement, Asbestos. J. F. Kurfees Paint Company. 503,771, Nov. 9; Serial No. 535,566, published July 27, 1948.
Ties, Railroad, dressed timbers and poles. McCormick & Baxter Creosoting Co. 441,253, Nov. 9; Serial No. 507,988, published July 27, 1948.
Tiles and foundation sheets. Porcelain Tile Company. 246,871, renewed Sept. 18, 1948. O. G. Nov. 9.
Weather strips, Metal. Andersen Corporation. 362,372, Nov. 15, 1938. Republished Nov. 9.

CLASS 13

Assemblies, Roller wheel. Woodmark Industries Incorporated. 503,746, Nov. 9; Serial No. 529,122, published July 20, 1948.
Bellows of metal. Cook Electric Company. 503,715, Nov. 9; Serial No. 508,894, published July 27, 1948.
Bulbs, Tank-valve. J. A. Sexauer Manufacturing Co., Inc. 246,286, renewed Sept. 4, 1948. O. G. Nov. 9.
Clamps and parts thereof, Industrial pressure. Band-It Company. 441,272. Nov. 9; Serial No. 518,650, published July 27, 1948.
Fastening elements in the nature of nails. Spotnails, Inc. 413,423, Apr. 24, 1945. Republished Nov. 9.
Fastening elements in the nature of nails. Spotnails, Inc. 413,687, May 8, 1945. Republished Nov. 9.
Faucets and parts thereof. Chicago Faucet Company. 503,711, Nov. 9; Serial No. 494,027, published July 27, 1948.
Faucets, Beverage dispensing. Wooster Brass Company. 503,751, Nov. 9; Serial No. 529,517, published July 27, 1948.
Governors, Constant pressure pump; excess or differential pump governors; boiler gas fuel governors, etc. Fisher Governor Company. 418,084, Dec. 4, 1945. Republished Nov. 9.
Hinges, hinge straps, corner irons, etc. McKinney Manufacturing Company. 249,498, renewed Nov. 13, 1948. O. G. Nov. 9.
Hollow ware, Base metal cooking and table. Club Aluminum Products Co. 441,242, Nov. 9; Serial No. 495,272, published Feb. 10, 1948.
Paper, Adding machine, address books, arch files, etc. Stationers' Guild of America. 387,699, May 27, 1941. Republished Nov. 9.
Pilot mechanism for valves, Liquid level responsive pressure actuated. Fisher Governor Company. 398,790, Nov. 24, 1942. Republished Nov. 9.
Pipe and fittings, Cast iron soil. G. W. Vandervort Company. 441,268, Nov. 9; Serial No. 516,745, published July 27, 1948.
Screws, bolts, nuts, etc. Pheoll Manufacturing Company. 503,741, Nov. 9; Serial No. 528,227, published July 27, 1948.
Staples. Boston Wire Stitcher Company. 226,587, Apr. 12, 1927. Republished Nov. 9.
Staples, Machine. Speed Products Co., Inc. 503,743, Nov. 9; Serial No. 528,525, published July 20, 1948.
Tubing, Metal, and shaped metal tube lengths. Bundy Tubing Company. 503,732, Nov. 9; Serial No. 526,717, published Aug. 3, 1948.
Utensils, Cooking. Traubee Products, Inc. 441,267, Nov. 9; Serial No. 516,742, published Aug. 3. 1948.
Valve stems, Pneumatic tire, pneumatic tire valves, valve cores, etc. Dill Manufacturing Company. 503,752, Nov. 9; Serial No. 529,971, published Aug. 3, 1948.
Valves. W. Powell Company. 441,285, Nov. 9; Serial No. 523,536, published July 27, 1948.
Valves, Spring controlled. Fisher Governor Company. 394,809, Apr. 28, 1942. Republished Nov. 9.

CLASS 14

Alloys, Vanadium Corporation of America. 244,654, July 24, 1928. Republished Nov. 9.
Alloys, Base metal. Ellicott Machine Corporation. 182,112, Apr. 1, 1924. Republished Nov. 9.
Babbitt metal. More-Jones Brass & Metal Company. 145,156, July 26, 1921. Republished Nov. 9.
Babbitt metal. More-Jones Brass & Metal Company. 145,158–9, July 26, 1921. Republished Nov. 9.
Babbitt metal; unfinished cored and solid bars of non-ferrous metals; unfinished driving box bearing castings, etc. American Brake Shoe Company. 419,140, Feb. 5, 1946. Republished Nov. 9.
Bearing metal. More-Jones Brass & Metal Company. 145,160, July 26, 1921. Republished Nov. 9.
Castings and forgings. American Brake Shoe Company. 404,752, Dec. 21, 1943. Republished Nov. 9.
Forgings, Upset. American Forge Company. 192,921, Dec. 16, 1924. Republished Nov. 9.
Forgings, Upset and drop. American Brake Shoe Company. 404,891–2, Dec. 28, 1943. Republished Nov. 9.
Frogs, Track, crossings, guard rails, etc. Ramapo Ajax Corporation. 160,851, July 3, 1923. Republished Nov. 9.
Reenforcements, Preformed ferrous. American Brake Shoe Company. 405,790–1, Feb. 22, 1944. Republished Nov. 9.

CLASS 15

Oil for hand cream separators, Lubricating. Pure Oil Company. 503,736, Nov. 9; Serial No. 527,279, published Aug. 3, 1948.
Oil having adhesive characteristics, Machinery lubricating. Sun Oil Company. 441,257, Nov. 9; Serial No. 508,624, published Aug. 3, 1948.
Oils and greases, Lubricating. W. H. Barber Company. 503,759, Nov. 9; Serial No. 532,201, published Aug. 3, 1948.
Oils and greases, Lubricating. Fiske Brothers Refining Co. 503,750, Nov. 9; Serial No. 529,447, published Aug. 3, 1948.
Oils and greases, Lubricating. Fiske Brothers Refining Co. 503,753, Nov. 9; Serial No. 529,975, published Aug. 3, 1948.
Oils and greases, Lubricating. Haggerty Refining Co. 503,748, Nov. 9; Serial No. 529,376, published Aug. 10, 1948.
Oils, Cutting. Oster Manufacturing Company. 441,243, Nov. 9; Serial No. 496,400, published July 27, 1948.
Oils, Lubricating. Haggerty Refining Co. 503,749, Nov. 9; Serial No. 529,377, published Aug. 3, 1948.
Oils, Lubricating. Mid-West Oil Company. 249,984, renewed Nov. 27, 1948. O. G. Nov. 9.
Oils, Lubricating greases and lubricating. New York Lubricating Oil Company. 253,425, renewed Feb. 26, 1949. O. G. Nov. 9.
Oils, Motor. Industrial Oil Corporation. 252,551, renewed Feb. 12, 1948. O. G. Nov. 9.
Petroleum products. Consolidated Flour Mills Company. 503,762, Nov. 9; Serial No. 533,147, published Aug. 3, 1948.

CLASS 16

Lacquer, Linoleum. American Varnish Company. 427,124, Jan. 28, 1947. Republished Nov. 9.
Varnish, lacquers, brushing lacquers, thinners, etc. Standard Industrial Products, Inc. 371,420, Sept. 26, 1939. Republished Nov. 9.
Wax preparation, Liquid. American Disinfecting Company. 252,967, renewed Feb. 19, 1949. O. G. Nov. 9.

CLASS 17

Cigars. Compañia Industrial Tabacalera, S. A. 441,240, Nov. 9; Serial No. 489,205, published Aug. 10, 1948.
Cigars. A. Sensenbrenner Sons. 503,714, Nov. 9; Serial No. 503,225, published Aug. 10, 1948.
Cigars and smoking tobacco. Medalist Co., Inc. 503,755, Nov. 9; Serial No. 530,663, published Aug. 10, 1948.
Cigars, cigarettes, smoking tobacco, etc. Imperial Tobacco Company of Canada, Limited. 441,264, Nov. 9; Serial No. 511,948, published Aug. 10, 1948.
Tobacco, Smoking and chewing. Penn Tobacco Company. 503,784, Nov. 9; Serial No. 539,754, published June 22. 1948.

CLASS 19

Backs for brake shoes, Reenforcing. American Brake Shoe and Foundry Company. 402,586–7, Aug. 3, 1943. Republished Nov. 9.
Brake shoes. American Brake Shoe & Foundry Company. 204,106, Oct. 6, 1925. Republished Nov. 9.
Brake shoes. American Brake Shoe and Foundry Company. 315,350, July 24, 1934. Republished Nov. 9.
Car wheels. Southern Wheel Company. 343,135, Feb. 9, 1937. Republished Nov. 9.

CLASS 21

Batteries, Storage. Reading Batteries, Inc. 422,702, Aug. 6, 1946. Republished Nov. 9.
Conduit fittings, outlet boxes, and covers. Rattan Manufacturing Co. 247,948, renewed Oct. 9, 1948. O. G. Nov. 9.
Conduit, Flexible metallic. Breeze Corporations, Inc. 246,543, renewed Sept. 11, 1948. O. G. Nov. 9.
Electric clearance lights, marker lights direction lights, etc. Boiser Corporation. 364,182, Jan. 24, 1939. Republished Nov. 9.

Fuses, non-renewable, Electric. Virginia Electric Manufacturing Corporation. 405,194, Jan. 11, 1944. Republished Nov. 9.
Goods made of vulcanized fiber for electrical purposes. Diamond State Fibre Company. 93,267, Sept. 2, 1913. Republished Nov. 9.
Heat treating equipment, Electrical induction. Ohio Crankshaft Company. 387,810, June 3, 1941. Republished Nov. 9.
Insulating compounds. Fibroc Insulation Company. 148,640, Nov. 22, 1921. Republished Nov. 9.
Motors, dynamos, and batteries, etc., Electrical. W. Krug. 219,739, Oct. 26, 1926. Republished Nov. 9.
Radio receiving sets and antennae. Walgreen Co. 338,779, Sept. 15, 1936. Republished Nov. 9.
Spark plugs. United Co-Operatives, Inc. 384,576, Jan. 21, 1941. Republished Nov. 9.
Vacuum cleaners, Electric. Sun Vacuum Stores. 419,215, Feb. 5, 1946. Republished Nov. 9.

CLASS 22

Amusement apparatus, Coin-controlled. Exhibit Supply Company. 503,829, Nov. 9; Serial No. 529,246.
Amusement apparatus, Coin-controlled. Exhibit Supply Company. 503,831, Nov. 9; Serial No. 529,974.
Fish-hooks. W. E. Compton. 65,988, re-renewed Nov. 5, 1947. O. G. Nov. 9.
Fish lures. J. F. Woodhull. 503,818, Nov. 9; Serial No. 515,735.
Golf balls. United States Rubber Company. 246,613, renewed Sept. 11, 1948. O. G. Nov. 9.
Sleds, Coasting. Pratt Corporation. 344,161, Mar. 16, 1937. Republished Nov. 9.

CLASS 23

Accessories, Automobile. Dalton Foundries, Inc. 223,786, Feb. 8, 1927. Republished Nov. 9.
Adding machine paper, address books, arc files, etc. Stationers' Guild of America. 387,699, May 27, 1941. Republished Nov. 9.
Bearings, Bronze. More-Jones Brass & Metal Co. 179,354, Feb. 5, 1924. Republished Nov. 9.
Blades, Razor. Club Razor & Blade Mfg. Corp. 380,100, Aug. 6, 1940. Republished Nov. 9.
Braiding-machines and parts thereof. Wardwell Braiding Machine Company. 134,200, Aug. 17, 1920. Republished Nov. 9.
Card clothing and hand cards for carding. Standard Card Clothing Company. 248,269, renewed Oct. 16, 1948. O. G. Nov. 9.
Casting machines, Centrifugal. W. T. Anderson. 422,657, Aug. 6, 1946. Republished Nov. 9.
Cleaning equipment, Industrial. Oakite Products, Inc. 423,465, Sept. 3, 1946. Republished Nov. 9.
Crankshafts. Ohio Crankshaft Company. 346,939, June 15, 1937. Republished Nov. 0.
Drills, Automatic, ratchet screw drivers, spiral ratchet screw drivers, etc. North Bro's M'f'g Co. 267,875, Mar. 4, 1930. Republished Nov. 9.
Engines, Gas and oil. National Supply Company of California. 329,601, Nov. 5, 1935. Republished Nov. 9.
Engines, Internal combustion. Hercules Motors Corporation. 318,770, Nov. 6, 1934. Republished Nov. 9.
Governors, Constant pressure pump; excess or differential pump governors; boiler gas fuel governors, etc. Fisher Governor Company. 418,084, Dec. 4, 1945. Republished Nov. 9.
Handles, Ratchet-hand-tool, hand drills, ratchet hand tools, etc. North Bro's M'f'g Company. 196,680, Mar. 24, 1925. Republished Nov. 9.
Knives and forks, individual sets of carving knives and forks, etc. W. R. Case & Sons Cutlery Company. 503,808, Nov. 9; Serial No. 506,425.
Lifts, Hydraulic. Globe Hoist Company. 381,416, Sept. 24, 1940. Republished Nov. 9.
Machinery for securing thin metallic printing plates. Electrographic Corporation. 396,131, June 30, 1942. Republished Nov. 9.
Machines for driving securing elements in the nature of nails. Spotnails, Inc. 431,611, July 29, 1947. Republished Nov. 9.
Pocket-knives, table knives and forks, shears, etc. Cattaraugus Cutlery Co. 72,060, Dec. 29, 1908. Republished Nov. 9.
Razors. Curvfit Razor Company, Inc. 205,305, Nov. 3, 1925. Republished Nov. 9.
Screens, Vibrating and concentrating tables. Deister Concentrator Company. 251,824, renewed Jan. 15, 1949. O. G. Nov. 9.
Stands, Switch. Ramapo Ajax Corporation. 300,373, Jan. 17, 1933. Republished Nov. 9.
Tool equipment, Machine. Smith-Johnson Corporation. 431,567, July 29, 1947. Republished Nov. 9.
Tool useful in installing and removing pump liners, valve seats, bushings, etc. W. S. Pine. 390,952, Oct. 14, 1941. Republished Nov. 9.
Tools, Hand. Cleveland City Forge Company. 286,792, Sept. 1, 1931. Republished Nov. 9.
Track switches, switch stands, switch plates and parts thereof. Ramapo Ajax Corporation. 173,737, Oct. 2, 1923. Republished Nov. 9.
Well-drilling rigs and parts thereof, well-derricks, bull-wheels, etc. National Supply Company. 121,320, Apr. 23, 1918. Republished Nov. 9.
Well-drilling rigs and parts thereof, well-derricks, bull-wheels, etc. National Supply Company. 137,344, Nov. 23, 1920. Republished Nov. 9.
Woodworking and metal-working machines, Motor-driven. Tauco Manufacturing Company. 340,756, Nov. 17, 1936. Republished Nov. 9.
Wrenches. Blackhawk Mfg. Co. 292,433, Mar. 15, 1932. Republished Nov. 9.

CLASS 24

Clothes-washing machines. Cinderella Washing Machine Company. 262,786, Oct. 22, 1929. Republished Nov. 9.

CLASS 26

Apparatus for comparing the speeds of wheels, shafts, etc. American Brake Shoe Company. 409,919, Oct. 31, 1944. Republished Nov. 9.
Apparatus for continuously supplying chlorine to a process by weight. Omega Machine Company. 405,698, Feb. 15, 1944. Republished Nov. 9.
Cameras. Eye In The Sky. 388,435, June 24, 1941. Republished Nov. 9.
Cameras. J. Galter. 503,765, Nov. 9; Serial No. 534,429, published July 13, 1948.
Cases, Binocular, and camera cases. Talon, Inc. 503,739, Nov. 9; Serial No. 527,892, published July 13, 1948.
Feeders. Omega Machine Co. 430,892, July 1, 1947. Republished Nov. 9.
Films. Loew's Incorporated. 384,224–5, Jan. 7, 1941. Republished Nov. 9.
Films, Motion picture. United World Films, Inc. 503,767, Nov. 9; Serial No. 535,201, published July 20, 1948.
Frames and parts therefor, Eyeglass and spectacle. Kono Manufacturing Company. 441,274, Nov. 9; Serial No. 519,020, published Sept. 30, 1947.
Frames made of plastic material, Spectacle. Victory Optical Manufacturing Company. 503,764, Nov. 9; Serial No. 534,069, published July 20, 1948.
Gauges, Flush pin, fixed snap gauges, profile gauges, etc. Nilsson Gage Co., Inc. 503,773, Nov. 9; Serial No. 536,828, published July 27, 1948.
Gauges, Indicating. Rochester Manufacturing Co., Inc. 441,275, Nov. 9; Serial No. 519,221, published July 13, 1948.
Glasses, Reading. Continental Optical Company. 503,766, Nov. 9; Serial No. 534,753, published July 20, 1948.
Indicating and recording instruments, Fluid flow. Fischer & Porter Company. 503,719–21, Nov. 9; Serial Nos. 513,817–19, published July 27, 1948.
Instruments for quantitatively determining the sensitivity of any portion of the human body. W. O. Frohring. 430,626, June 17, 1947. Republished Nov. 9.
Lenses, Ophthalmic. Robinson Houchin Optical Company. 503,742, Nov. 9; Serial No. 528,312, published July 13, 1948.
Meters and instruments, Fluid. Builders Iron Foundry. 423,561, Sept. 3, 1946. Republished Nov. 9.
Radio analyzing apparatus. Special Products Company. 441,241, Nov. 9; Serial No. 494,466, published Aug. 6, 1946.
Shutters for photographic cameras. Federal Manufacturing and Engineering Corp. 441,270, Nov. 9; Serial No. 517,568, published Aug. 3, 1948.
Spectacles and eyeglasses and lenses. Cosmet Company. 503,772, Nov. 9; Serial No. 535,819, published July 20, 1948.
Sunglasses and optical frames. Marine Optical Mfg. Co. 399,972, Feb. 9, 1943. Republished Nov. 9.
Tachometers, Stroboscopic. Boulin Instrument Corporation. 503,768, Nov. 9; Serial No. 535,468, published July 20, 1948.

CLASS 27

Watches. Bulova Watch Company, Inc. 431,492, July 22, 1947. Republished Nov. 9.
Watches, Wrist or strap. American Standard Watch Case Company, Inc. 241,738, renewed May 8, 1948. O. G. Nov. 9.

CLASS 28

Bracelets, Wrist-watch, clasps and buckles. A and Z Chain Company. 363,336, Dec. 20, 1938. Republished Nov. 9.
Jewelry. F. & F. Felger, Inc. 249,652, renewed Nov. 20, 1948. O. G. Nov. 9.
Scarf-pins, stick-pins, brooches, etc. Plainville Stock Company. 55,907, Aug. 21, 1906. Republished Nov. 9.

CLASS 29

Cleaners, Rotary brush comb. Rotary Brush Co. 503,832, Nov. 9; Serial No. 531,377.

CLASS 31

Freezers, Ice cream. White Mountain Freezer Company, Inc. 431,693, July 29, 1947. Republished Nov. 9.

Governors, Constant pressure pump; excess or differential pump governors; boiler gas fuel governors, etc. Fisher Governor Company. 418,084, Dec. 4, 1945. Republished Nov. 9.
Panels, Air filter. Farr Company. 420,825, May 7, 1946. Republished Nov. 9.
Water coolers, Electrically operated. Iceless Cooler Corporation. 401,719, June 1, 1943. Republished Nov. 9.

CLASS 32

Canopies for bassinettes. Food Display Cover Company, Inc. 398,521, Nov. 3, 1942. Republished Nov. 9.
Desk and chest, Combination. Cavalier Corporation. 433,319, Oct. 7, 1947. Republished Nov. 9.
Furniture, Metal. George Koch Sons, Inc. 381,627, Oct. 1, 1940. Republished Nov. 9.
Furniture, Upholstered. Sherman-Bertram, Inc. 503,816, Nov. 9; Serial No. 513,642.
Hammocks, Swinging couch, davenports, mattresses, mattress pads, etc. Harris, Ames Neville Co. 253,529, renewed Feb. 26, 1949. O. G. Nov. 9.

CLASS 34

Air ducts, ventilating, exhaust and draft fans, flues, etc. National Dust Control Company. 355,865, Apr. 5, 1938. Republished Nov. 9.
Blowers. Lakeside Company. 269,260, Apr. 1, 1930. Republished Nov. 9.
Boxes, muffles, pots, etc. American Brake Shoe Company. 404,754, Dec. 21, 1943. Republished Nov. 9.
Governors, Constant pressure pump; excess or differential pump governors; boiler gas fuel governors, etc. Fisher Governor Company. 418,084, Dec. 4, 1945. Republished Nov. 9.
Gridirons for outdoor use. American Brake Shoe and Foundry Company. 362,906, Dec. 6, 1938. Republished Nov. 9.
Heaters, Gas hot-water, and gas hot-water storage systems. Pittsburg Water Heater Company. 211,404, Apr. 13, 1926. Republished Nov. 9.
Heaters, Gas water, and house-heating boilers. Pittsburg Water Heater Company, Inc. 257,704, June 18, 1929. Republished Nov. 9.
Stoves, Heating and cooking, furnaces and ranges and parts thereof. Detroit Stove Works. 70,366, re-renewed Aug. 25, 1948. O. G. Nov. 9.

CLASS 35

Belting. Fabreeka Belting Company. 138,447, Dec. 28, 1920. Republished Nov. 9.
Belting, Leather, and leather packing. J. E. Rhoads & Sons. 56,568, Oct. 9, 1906. Republished Nov. 9.
Belting, Leather; round leather belting; cut leather lacing, etc. J. E. Rhoads & Sons. 118,221, Aug. 21, 1917. Republished Nov. 9.
Frictional elements. American Brake Shoe Company. 404,755, Dec. 21, 1943. Republished Nov. 9.
Packing and packing material. Garlock Packing Company. 181,026, Mar. 11, 1924. Republished Nov. 9.
Packing, Composition. Darling Pump & Mfg. Co. Limited. 73,160, Mar. 23, 1909. Republished Nov. 9.

CLASS 37

Calendar and engagement book, Combination. F. W. Woolworth Co. 400,535, Mar. 16, 1943. Republished Nov. 9.
Envelopes, Paper. American Envelope Company. 345,077, Apr. 13, 1937. Republished Nov. 9.
Erasers, Rubber. Eberhard Faber Pencil Company. 349,376, Aug. 24, 1937. Republished Nov. 9.
Labels. Shellmar Products Company. 303,021, May 9, 1933. Republished Nov. 9.
Laminated products. Shellmar Products Company. 345,706, May 4, 1937. Republished Nov. 9.
Napkins, Paper. American Tissue Mills. 264,460–1, Nov. 26, 1929. Republished Nov. 9.
Napkins, Paper. American Tissue Mills. 264,557, Nov. 26, 1929. Republished Nov. 9.
Paper, Adding machine, address books, arch files, etc. Stationers' Guild of America. 387,699, May 27, 1941. Republished Nov. 9.
Paper, Cover. Holyoke Card & Paper Company. 232,888, Sept. 20, 1927. Republished Nov. 9.
Paper, Crepe. American Tissue Mills. 227,763, May 17, 1927. Republished Nov. 9.
Paper, Crepe, tissue, and toilet, paper napkins and paper handkerchiefs. American Tissue Mills. 298,873, Nov. 8, 1932. Republished Nov. 9.
Paper, Crepe, tissue and waxed. American Tissue Mills. 320,722, Jan. 8, 1935. Republished Nov. 9.
Paper for stationery use. Ditto, Incorporated. 250,843, Dec. 18, 1928. Republished Nov. 9.
Paper in boxes, Writing, papeteries, envelopes, etc. Powers Paper Company, Associated. 78,902, June 19, 1910. Republished Nov. 9.
Paper, Manifold. Esleeck Manufacturing Co. 178,562, Jan. 15, 1924. Republished Nov. 9.
Paper, Onion-skin. Esleeck Mfg. Co. 143,598, June 7, 1921. Republished Nov. 9.
Paper, Plain, coated, or decorated. C. R. Whiting Co., Inc. 349,735, renewed Nov. 20, 1948. O. G. Nov. 9.
Paper, Printing. S. D. Warren Company. 125,374, May 13, 1919. Republished Nov. 9.
Paper, Printing. S. D. Warren Company. 155,114, May 16, 1922. Republished Nov. 9.
Paper, Tissue and waxed. American Tissue Mills. 264,556, Nov. 26, 1929. Republished Nov. 9.
Paper, Toilet. J. E. Linde Paper Co. 212,922, May 18, 1926. Republished Nov. 9.
Paper, Toilet. Wheeler Paper Corporation. 284,433, June 30, 1931. Republished Nov. 9.
Paper, Toilet. Wheeler Paper Corporation. 284,757, July 7, 1931. Republished Nov. 9.
Paper, Waxed, tissue, and crepe. American Tissue Mills. 261,118, Sept. 3, 1929. Republished Nov. 9.
Paper, Waxed wrapping. American Tissue Mills. 271,571, June 10, 1930. Republished Nov. 9.
Paper, Writing. Whiting Paper Company. 31,704, June 21, 1898. Republished Nov. 9.
Papers, Coated. Ditto, Incorporated. 343,661, Mar. 2, 1937. Republished Nov. 9.
Pencils. Eberhard Faber Pencil Company. 311,169, Mar. 13, 1934. Republished Nov. 9.
Pencils, Lead. E. Faber. 66,359–61, Nov. 26, 1907. Republished Nov. 9.
Pencils, Lead. Eberhard Faber Pencil Company. 200,532, July 7, 1925. Republished Nov. 9.
Pencils, Lead. Eberhard Faber Pencil Company. 329,700, Nov. 5, 1935. Republished Nov. 9.
Pencils, Lead. Eberhard Faber Pencil Company. 381,076, Sept. 10, 1940. Republished Nov. 9.
Pencils, Lead and rubber erasers. E. Faber. 66,363, Nov. 26, 1907. Republished Nov. 9.
Pencils, Lead, and rubber erasers. Eberhard Faber Pencil Company. 202,328, Aug. 18, 1925. Republished Nov. 9.
Pens and parts thereof, Fountain. Eberhard Faber Pencil Company. 348,621, Aug. 3, 1937. Republished Nov. 9.
Sheeting and wrappers, Color printed transparent cellulose. Shellmar Products Company. 428,965, Apr. 15, 1947. Republished Nov. 9.
Stamps, Rubber, and stencils. A. C. Gibson Company, Inc. 130,303, Apr. 20, 1920. Republished Nov. 9.
Tissue, Toilet. Wheeler Paper Corporation. 340,551, Nov. 17, 1936. Republished Nov. 9.
Towels, Paper. Wheeler Paper Corporation. 423,566, Sept. 3, 1946. Republished Nov. 9.
Towels, Paper. Wheeler Paper Corporation. 423,573, Sept. 3, 1946. Republished Nov. 9.
Wrapping material, Laminated. Shellmar Products Company. 428,964, Apr. 15, 1947. Republished Nov. 9.
Wraps of laminated transparent materials. Shellmar Products Company. 400,602, Mar. 23, 1943. Republished Nov. 9.

CLASS 38

Articles, Magazine. N. Vinick. 248,579, renewed Oct. 23, 1948. O. G. Nov. 9.
Books. New City Printing Co. 387,951, June 10, 1941. Republished Nov. 9.
Books, Series of, published from time to time. McLoughlin Bros., Inc. 365,165, Feb. 28, 1939. Republished Nov. 9.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 372,460, Oct. 31, 1939. Republished Nov. 9.
Coupons, Premium. United Profit-Sharing Corporation. 251,177, Jan. 1, 1929. Republished Nov. 9.
Coupons, Trade. United Profit-Sharing Corporation. 255,908, Apr. 30, 1929. Republished Nov. 9.
Magazine, Monthly. Magazine Publishers, Inc. 253,563, Feb. 26, 1929. Republished Nov. 9.
Magazine, Printed monthly. Chicago Mill and Lumber Company. 133,944, Oct. 26, 1920. Republished Nov. 9.
Magazines, Trade. Midwest Trade, Inc. 503,810, Nov. 9; Serial No. 509,665.
Periodical. Felt and Tarrant Manufacturing Company. 249,028, renewed Nov. 6, 1948. O. G. Nov. 9.
Periodical. Globe Hoist Company. 382,782. Nov. 12, 1940. Republished Nov. 9.
Periodical published annually. United Profit-Sharing Corporation. 262,568, Oct. 15, 1929. Republished Nov. 9.
Periodicals. Rumford Chemical Works. 248,567, renewed Oct. 23, 1948. O. G. Nov. 9.
Photoprints. C. H. Reisinger. 503,815, Nov. 9; Serial No. 513,211.
Posters, Window. Shellmar Products Company. 367,824, May 30, 1939. Republished Nov. 9.
Printed matter published from time to time. Hawaiian Pineapple Company, Ltd. 359,150, Aug. 9, 1938. Republished Nov. 9.
Publication issued periodically. American Brake Shoe Company. 410,102. Nov. 7, 1944. Republished Nov. 9.
Publication issued periodically. Polk Miller Products Corporation. 355,595, Mar. 22, 1938. Republished Nov. 9.
Publications on dentistry. Dentists' Supply Company of New York. 292,812. Mar. 29, 1932. Republished Nov. 9.
Publications, Periodical. Bryan Davis Publishing Company, Inc. 353,635, Jan. 11, 1938. Republished Nov. 9.

CLASS 39

Belts, garters, suspenders, Apparel, etc. Pioneer Suspender Company. 503,730, Nov. 9; Serial No. 526,548, published July 27, 1948.

Blouses, Ladies'. Judy Bond, Inc. 503,780, Nov. 9; Serial No. 538,236, published July 20, 1948.
Boots and shoes for men and boys, Leather. Georgia Shoe Mfg. Co. 503,811, Nov. 9; Serial No. 510,584.
Clothing, Infants' and children's. Taylor-Bramley Company. 251,648, renewed Jan. 8, 1948. O. G. Nov. 9.
Coats, Fur, fur jackets, fur-lined coats, etc. Plymouth Fur Co. 72,571, re-renewed Feb. 2, 1949. O. G. Nov. 9.
Coats, vests, pants, etc., Men's and boys'. Knickerbocker Clothing Co. 503,729, Nov. 9; Serial No. 523,844, published July 20, 1948.
Corsets, girdles, and brassières. Berger Brothers Company. 406,581, Apr. 11, 1944. Republished Nov. 9.
Dresses, blouses, skirts, etc., Ladies' and misses' knitted. J. Guttman & Bros. 503,840, Nov. 9; Serial No. 548,158.
Dresses, Junior misses', misses' and women's. Susan Sage Inc. 503,835, Nov. 9; Serial No. 534,558.
Dresses, Ladies', misses' and junior misses'. M. Solowey. 503,839, Nov. 9; Serial No. 545,655.
Dresses and sportswear, Ladies' and misses'. Future Fashions, Inc. 424,001, Sept. 17, 1946. Republished Nov. 9.
Dresses, sportswear, Ladies' and misses'. Future Fashions, Inc. 423,217, Aug. 27, 1946. Republished Nov. 9.
Gloves. Edmont Manufacturing Company. 360,349, Sept. 13, 1938. Republished Nov. 9.
Gloves and mittens. Edmont Manufacturing Company. 334,815, May 12, 1936. Republished Nov. 9.
Hair nets. J. Tanenbaum. 503,805, Nov. 9; Serial No. 497,350.
Hats, Ladies' and misses'. Consolidated Millinery Company. 251,317, renewed Jan. 1, 1949. O. G. Nov. 9.
Hosiery and underwear of knitted and textile fabric. Ottumwa Mercantile Co. 245,458, renewed Aug. 14, 1948. O. G. Nov. 9.
Jackets, Men's and boys' sports. Louis Goldsmith, Inc. 503,763, Nov. 9; Serial No. 533,492, published Aug. 3, 1948.
Neckties and mufflers, Men's. Weisbaum Bros., Brower Company. 337,134, July 28, 1936. Republished Nov. 9.
Neckties, Men's. Weisbaum Bros., Brower Company. 338,729, Sept. 15, 1936. Republished Nov. 9.
Neckties, Men's. Weisbaum Bros., Brower Company. 351,049, Oct. 19, 1937. Republished Nov. 9.
Overcoats and suits. Porter Clothing Co. 235,351, Nov. 15, 1927. Republished Nov. 9.
Pajamas for men, women, and boys. Rensello Company, Inc. 503,806, Nov. 9; Serial No. 497,968.
Raincoats, Men's, women's, and children's. Cable Raincoat Company. 503,834, Nov. 9; Serial No. 532,906.
Scarfs, Ladies'. Glensder Textile Corp. 503,838, Nov. 9; Serial No. 545,625.
Shirts, Men's and boys' dress and negligee, and boys' blouses. Elder Manufacturing Company. 253,013–15, renewed Feb. 19, 1949. O. G. Nov. 9.
Shirts, trousers, and slacks, Men's and boys' sport. Miller Manufacturing Co., Inc. 503,820, Nov. 9; Serial No. 519,286.
Shoes. N. E. Coxon. 503,821, Nov. 9; Serial No. 519,863.
Shoes. Selby Shoe Company. 401,522, May 25, 1943. Republished Nov. 9.
Shoes, Leather. Doerman & Herbst Shoe Mfg. Co. 183,412, Apr. 29, 1924. Republished Nov. 9.
Shoes, Leather. Doerman-Leiser Shoe Mfg. Co. 218,244, Sept. 21, 1926. Republished Nov. 9.
Shoes, Men's, women's, and children's. A. H. Genting Company. 352,589, Dec. 7, 1937. Republished Nov. 9.
Shoes, Men's, women's, and children's. A. H. Genting Company. 357,711, June 14, 1938. Republished Nov. 9.
Shoes, slippers, and boots. Miles Shoes, Inc. 375,516, Feb. 20, 1940. Republished Nov. 9.
Shoes, slippers, and boots. Miles Shoes, Inc. 392,180, Dec. 16, 1941. Republished Nov. 9.
Slips, Women's and misses'. Patricia Petticoat Co., Inc. 386,153, Mar. 25, 1941. Republished Nov. 9.
Socks, Foot. C. Wersba. 503,814, Nov. 9; Serial No. 513,083.
Suits and clothing, Men's. Schwob Manufacturing Company. 417,107, Oct. 16, 1945. Republished Nov. 9.
Sweaters, knitted dresses, and jackets, Misses' and girls'. Sue Shelton, Inc. 503,828, Nov. 9; Serial No. 525,691.
Sweaters, Men's and women's knitted. Glenby Sportswear Company. 441,289, Nov. 9; Serial No. 510,501.
Textile articles. Bear Brand Hosiery Co. 213,421, May 25, 1926. Republished Nov. 9.
Textile articles. Bear Brand Hosiery Co. 216,878, Aug. 24, 1926. Republished Nov. 9.
Textile articles. Paramount Knitting Company. 175,948, Nov. 13, 1923. Republished Nov. 9.
Undergarments, Women's. H. S. Petticoat Company, Inc. 297,253, June 4, 1929. Republished Nov. 9.
Underwear, Ladies' and children's. McKay Products Corporation. 503,837, Nov. 9; Serial No. 539,538.
Underwear, Women's and misses'. Martha Maid Mfg. Co. 503,833, Nov. 9; Serial No. 532,848.
Wearing apparel, Children's and young people's cotton, wool, rubber, and leather. Berne Manufacturing Company. 339,760. Oct. 20, 1936. Republished Nov. 9.
Wearing apparel, Men's outer. Kahn Tailoring Co. 252,945, renewed Feb. 19, 1949. O. G. Nov. 9.
Welting, Leather. McAdoo & Allen. 106,462, Oct. 19, 1915 Republished Nov. 9.

CLASS 40

Braid, Straw. R. H. Comey Companies Consolidated. 245,995, renewed Aug. 28, 1948. O. G. Nov. 9.
Braids, Dyed and bleached. R. H. Comey Companies Consolidated. 245,919, renewed Aug. 28, 1948. O. G. Nov. 9.
Hooks and knitting needles, Crochet. C. J. Bates & Son. 429,398, Apr. 29, 1947. Republished Nov. 9.
Hooks and knitting needles, Crochet. C. J. Bates & Son. 430,028, June 3, 1947. Republished Nov. 9.

CLASS 42

Cotton and wool, and combinations thereof in the piece. William L. Barrell Company, Inc. 356,609, May 3, 1938. Republished Nov. 9.
Curtains. Boott Mills. 270,615, May 13, 1930. Republished Nov. 9.
Curtains, Window, window draperies, and crib sheets. S. V. Boland. 441,239, Nov. 9; Serial No. 487,305, published July 27, 1948.
Duck, Cotton. Mount Vernon Woodberry Cotton Duck Company. 68,575, Apr. 14, 1908. Republished Nov. 9.
Duck in the piece, Cotton. William L. Barrell Co. of New York, Inc. 230,307, July 19, 1927. Republished Nov. 9.
Fabrics, Rubberized. Hodgman Rubber Company. 328,199, Sept. 17, 1935. Republished Nov. 9.
Gabardine in the piece. William L. Barrell Company, Inc. 364,831, Feb. 14, 1939. Republished Nov. 9.
Goods in the piece. Wollner & Smith. 300,255, Jan. 10, 1933. Republished Nov. 9.
Hammocks, Swinging couch, davenports, mattresses, mattress pads, etc. Harris, Ames Neville Co. 253,529, renewed Feb. 26, 1949. O. G. Nov. 9.
Piece goods, Cotton. J. L. Stifel & Sons. 253,066, renewed Feb. 19, 1949. O. G. Nov. 9.
Piece goods, Cotton and linen. Dromona & Maine Limited. 424,973, Oct. 29, 1946. Republished Nov. 9.
Piece goods, Cotton, wool, and rayon. William L. Barrell Company. 336,367, July 7, 1936. Republished Nov. 9.
Plastic film or sheeting sold as piece goods, Transparent or translucent. Kings Rubber Corporation. 441,245, Nov. 9; Serial No. 502,142, published July 20, 1948.
Rugs, Cotton. C. & M. Rug Company. 503,775, Nov. 9; Serial No. 537,001, published July 20, 1948.
Textile fabrics in the piece made of wool, silk, cotton, etc. J. B. Martin Company. 441,261, Nov. 9; Serial No. 510,330, published July 20, 1948.
Textile fabrics, Waterproof. Eastern Finishing Works, Inc. 127,225, Oct. 28, 1919. Republished Nov. 9.
Textile fabrics, Waterproof. Eastern Finishing Works, Inc. 127,734, Dec. 2, 1919. Republished Nov. 9.
Towels, Turkish. Mooresville Cotton Mills. 250,287, renewed Dec. 4, 1948. O. G. Nov. 9.

CLASS 44

Bandage compress, dental floss, crepe bandages, etc. Kendall Company. 300,349, Jan. 17, 1933. Republished Nov. 9.
Cushions for loose dental plates, Plastic. A. A. Gray. 366,596, Apr. 18, 1939. Republished Nov. 9.
Sundries, Druggists' rubber. Seiberling Latex Products Company. 250,460–2, renewed Dec. 11, 1948. O. G. Nov. 9.
Sundries, Druggists' rubber. Seiberling Latex Products Company. 250,470–1, renewed Dec. 11, 1948. O. G. Nov. 9.

CLASS 45

Beverage mix, Non-alcoholic. F. A. Mlodzikowski. 503,809, Nov. 9; Serial No. 507,064.
Beverage, Non-alcoholic, noncereal, maltless. C. E. Trees & Co., Inc. 385,862, Mar. 18, 1941. Republished Nov. 9.
Beverages, Non-alcoholic, maltless. Neil Products Inc. 503,823, Nov. 9; Serial No. 520,112.
Beverages or soft drinks, Non-alcoholic. Bear Lithia Springs Co. 136,315, Nov. 2, 1920. Republished Nov. 9.
Flavoring extracts and fountain syrups. Blanke-Baer Extract & Preserving Company. 503,802, Nov. 9; Serial No. 527,416, published Mar. 2, 1948. Consolidated certificate, Classes 6, 45, and 46.
Ginger ale, fruit sirup, and grape juice. Haskell, Adams Co. 194,622, Feb. 3, 1925. Republished Nov. 9.

CLASS 46

Biscuits, crackers, cakes, etc. National Biscuit Company. 32,301, re-renewed Dec. 27, 1948. O. G. Nov. 9.
Bordelaise, Sauce, sauce newberg, sauce bercy, etc. Steele-Wedeles Company. 244,065, July 10, 1928. Republished Nov. 9.
Bread. Fisher Flouring Mills Company. 373,535, Dec. 12, 1939. Republished Nov. 9.
Bread. Grocers' Baking Company. 179,161, Feb. 5, 1924. Republished Nov. 9.
Bread. Grocers Baking Company, Incorporated. 342,860, Feb. 2, 1937. Republished Nov. 9.
Bread in the loaf. Mack Baking Company. 261,447, Sept. 17, 1929. Republished Nov. 9.
Butter. Fisher Brothers Company. 293,921, May 10, 1932. Republished Nov. 9.

Butter. H. G. Hill Stores, Inc. 210,763, Mar. 23, 1926. Republished Nov. 9.
Cake. Continental Baking Company. 247,986, renewed Oct. 9, 1948. O. G. Nov. 9.
Cake and pastry flour. Albers Bros. Milling Co. 250,884, Dec. 18, 1928. Republished Nov. 9.
Candy. Mrs. J. G. McDonald Chocolate Company. 503,822, Nov. 9; Serial No. 519,888.
Candy. Peoples Drug Stores, Inc. 244,592, renewed July 24, 1948. O. G. Nov. 9.
Candy. Standard Candy Company. 126,353, Aug. 19, 1919. Republished Nov. 9.
Candy. Standard Candy Company. 176,608, Nov. 27, 1923. Republished Nov. 9.
Candy, Licorice. National Licorice Company. 253,063, renewed Feb. 19, 1949. O. G. Nov. 9.
Canned alimentary paste products. L. Clemente. 254,386, Mar. 26, 1929. Republished Nov. 9.
Canned cat food. National Packing Corporation. 503,722, Nov. 9; Serial No. 518,421, published Aug. 10, 1948.
Canned citrus fruit juices. L. F. Drake. 370,712, Sept. 5, 1939. Republished Nov. 9.
Canned fish. California Marine Curing & Packing Co. 386,122, Mar. 25, 1941. Republished Nov. 9.
Canned fish. Seacoast Canning Company. 226,618, Apr. 12, 1927. Republished Nov. 9.
Canned fish. Seacoast Canning Company. 226,711, Apr. 19, 1927. Republished Nov. 9.
Canned fish. Seacoast Canning Company. 230,765, Aug. 2, 1927. Republished Nov. 9.
Canned foods. Fruitvale Canning Company. 394,106, Mar. 17, 1942. Republished Nov. 9.
Canned fruit juices. Hawaiian Pineapple Company, Ltd. 384,775, Feb. 4, 1941. Republished Nov. 9.
Canned fruits. Fruitvale Canning Company. 387,818, June 3, 1941. Republished Nov. 9.
Canned fruits and canned vegetables. Fruitvale Canning Company. 375,941, Mar. 5, 1940. Republished Nov. 9.
Canned fruits and canned vegetables. Fruitvale Canning Company. 375,943, Mar. 5, 1940. Republished Nov. 9.
Canned fruits and fruit preserves. Royal Blue Stores, Inc. 237,590, Jan. 10, 1928. Republished Nov. 9.
Canned fruits, canned vegetables, and canned sardines. F. E. Booth Co. 232,274, Sept. 6, 1927. Republished Nov. 9.
Canned grapefruit. Florida Fruit Canners, Inc. 249,236, Nov. 13, 1928. Republished Nov. 9.
Canned peas and canned corn. Rich-Land Canning Corporation. 424,300, Oct. 1, 1946. Republished Nov. 9.
Canned pineapple. Hawaiian Pineapple Company, Ltd. 171,197, July 31, 1923. Republished Nov. 9.
Canned pineapple. Hawaiian Pineapple Company, Ltd. 296,633, Aug. 16, 1932. Republished Nov. 9.
Canned salmon and shrimp. Benson Fish Company. 294,427, May 24, 1932. Republished Nov. 9.
Canned spaghetti sauce and canned zucchini (Italian squash). L. Pullci. 503,817, Nov. 9; Serial No. 515,450.
Canned vegetables. Illinois Canning Co. 67,052, Jan. 14, 1908. Republished Nov. 9.
Canned vegetables, chili sauce relish, whole tomato catsup, etc. P. J. Ritter Company. 441,271, Nov. 9; Serial No. 517,796, published Aug. 10, 1948.
Cereal breakfast foods. Van Brode Milling Co., Inc. 503,726, Nov. 9; Serial No. 522,546, published Aug. 10, 1948.
Cereal product. Fisher Flouring Mills Company. 321,600, Feb. 5, 1935. Republished Nov. 9.
Cheese. Atalanta Trading Corp. 503,826, Nov. 9; Serial No. 521,426.
Coffee. Fisher Brothers Company. 242,263, May 22, 1928. Republished Nov. 9.
Coffee. Fisher Brothers Company. 261,736, Sept. 24, 1929. Republished Nov. 9.
Coffee and tea. Fisher Brothers Company. 298,397, Oct. 25, 1932. Republished Nov. 9.
Cookie cakes. Perfection Biscuit Company. 207,940, Jan. 12, 1926. Republished Nov. 9.
Corn, Ensilage. T. W. Wood & Sons. 184,633, May 27, 1924. Republished Nov. 9.
Dates and date products. R. C. Nicoll. 379,168, July 2, 1940. Republished Nov. 9.
Eggs, Freshly laid. J. Meyerhoff. 503,813, Nov. 9; Serial No. 512,128.
Fat, Vegetable. I. Rokeach & Sons, Inc. 246,328, renewed Sept. 4, 1928. O. G. Nov. 9.
Feed, Dairy. Fisher Flouring Mills Company. 125,568. May 27, 1919. Republished Nov. 9.
Feed, Horse and mule. Fort Smith Cotton Oil Co. 406,853, May 2, 1944. Republished Nov. 9.
Feed, Scratch, and laying mash. Flory Milling Company, Inc. 388,265, June 17, 1941. Republished Nov. 9.
Feed, Stock. Fisher Flouring Mills Company. 124,827, Mar. 18, 1919. Republished Nov. 9.
Flour, Self-rising. Midland Flour Milling Co. 142,303–5, May 10, 1921. Republished Nov. 9.
Flour, Self-rising. Wall-Rogalsky Milling Company. 305,147, Aug. 8, 1933. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 82,688, July 18, 1911. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 88,258–61, Sept. 10, 1912. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 90,184–6, Feb. 11, 1913. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 90,316–17, Feb. 18, 1913. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 90,977, Apr. 8, 1913. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 92,330, July 1, 1913. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 97,047, May 19, 1914. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 105,050–1, July 16, 1915. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 105,195, July 13, 1915. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 109,317, Mar. 28, 1916. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 118,465, Sept. 11, 1917. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 144,765, July 19, 1921. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 145,665, Aug. 16, 1921. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 162,751, Dec. 26, 1922. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 181,273–4, Mar. 18, 1924. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 208,254, Jan. 26, 1926. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 225,845, Mar. 29, 1927. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 227,757, May 17, 1927. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 229,157, June 21, 1927. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 246,584, Sept. 11, 1928. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 263,296–7, Nov. 5, 1929. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 297,975, Oct. 4, 1932. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 351,703–5, Nov. 2, 1937. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 372,474–80, Oct. 31, 1939. Republished Nov. 9.
Flour, Wheat. Fisher Flouring Mills Company. 401,792, June 8, 1943. Republished Nov. 9.
Flour, Wheat. Midland Flour Milling Co. 172,436, Aug. 28, 1923. Republished Nov. 9.
Flour, Wheat. Midland Flour Milling Co. 196,492, Mar. 17, 1925. Republished Nov. 9.
Flour, Wheat. Stafford County Flour Mills Co. 167,192, Apr. 24, 1923. Republished Nov. 9.
Flour, Wheat. Wall Rogalsky Milling Company. 269,679, Apr. 15, 1930. Republished Nov. 9.
Flour, Wheat, and breakfast cereals. Fisher Flouring Mills Company. 197,681, Apr. 21, 1925. Republished Nov. 9.
Flour, Wheat, biscuit flour, pancake flour. Fisher Flouring Mills Company. 297,977–8, Oct. 4, 1932. Republished Nov. 9.
Flour, Wheat, breakfast cereal, pancake flour. Doud Milling Company. 250,091, renewed Nov. 27, 1948. O. G. Nov. 9.
Food for fowl, Scratch. T. W. Wood & Sons. 173,336, Sept. 25, 1923. Republished Nov. 9.
Food for puppies and dogs of all breeds. Polk Miller Products Corp. 295,404, June 28, 1932. Republished Nov. 9.
Fruit and olive products. Albers Olive Company. 139,965, Mar. 1, 1921. Republished Nov. 9.
Fruits, Citrus. Tree-Gold Cooperative Growers of Florida. 332,840, Feb. 25, 1936. Republished No. 9.
Fruits, Fresh. H. Frankenthal. 369,755, Aug. 1, 1939. Republished Nov. 9.
Fruits, Fresh citrous. Klink Citrus Association. 213,099, May 18, 1926. Republished Nov. 9.
Fruits, Fresh citrous. Klink Citrus Association. 215,802, July 27, 1926. Republished Nov. 9.
Fruits, Fresh citrous. Klink Citrus Association. 234,867, Nov. 8, 1927. Republished Nov. 9.
Fruits, Fresh citrus. Klink Citrus Association. 432,811. Sept. 16, 1947. Republished Nov. 9.
Fruits, Fresh citrus. Rio Grande Valley Citrus Growers Association. 365,320, Mar. 7, 1939. Republished Nov. 9.
Fruits, Fresh citrus. Tree-Gold Cooperative Growers of Florida. 331,355, Jan. 7, 1936. Republished Nov. 9.
Fruits, Fresh citrus. Tree-Gold Cooperative Growers of Florida. 332,146, Feb. 4, 1936. Republished Nov. 9.
Fruits, Fresh citrus. Tree-Gold Cooperative Growers of Florida. 333,136, Mar. 10, 1936. Republished Nov. 9.
Fruits, Fresh citrus. Tree-Gold Cooperative Growers of Florida. 333,432, Mar. 24, 1936. Republished Nov. 9.
Fruits, Fresh citrus. Tree-Gold Cooperative Growers of Florida. 333,959, Apr. 14, 1936. Republished Nov. 9.
Fruits, Fresh citrus, and fresh vegetables. Engebretson-Grupe Co. 386,490, Apr. 15, 1941. Republished Nov. 9.
Fruits, Fresh deciduous. Newbry & Sons. 278,320, Dec. 16, 1930. Republished Nov. 9.
Ham, bacon, sausage, etc. Cleveland Provision Company. 279,245, Jan. 13, 1931. Republished Nov. 9.
Ham, bacon, sausage, etc. Cleveland Provision Company. 283,774, June 9, 1931. Republished Nov. 9.

Hams, bacon, lard and sausage products. Lake Erie Provision Company. 172,110, Aug. 21, 1923. Republished Nov. 9.
Herrings. Alexander Wood & Son. 269,423, Apr. 8, 1930. Republished Nov. 9.
Herrings in barrels, Pickled. Alexander Wood & Son. 104,580, June 1, 1915. Republished Nov. 9.
Jam, marmalade, fruit butters, fruit preserves, etc. Blanke-Baer Extract & Preserving Company. 503,802, Nov. 9; Serial No. 527,351, published Jan. 27, 1948. Consolidated certificate, Classes 6, 45, and 46.
Lettuce and cauliflower, Fresh. H. Y. Minami. 263,573, Nov. 5, 1929. Republished Nov. 9.
Milk, Fresh, cream, and ice cream. L. T. Sawyer. 503,827, Nov. 9; Serial No. 524,351.
Molasses and honey. Colonial Molasses Co. Inc. 253,520, renewed Feb. 26, 1949. O. G. Nov. 9.
Nuts, Shelled and unshelled, and salted, toasted, and candied nuts. Monroe Pecan Products, Incorporated. 503,713, Nov. 9; Serial No. 500,892, published Aug. 10, 1948.
Oleomargarine. Churngold Corporation. 369,031, July 11, 1939. Republished Nov. 9.
Oleomargarine. Churngold Corporation. 375,796, Feb. 27, 1940. Republished Nov. 9.
Oleomargarine. Churngold Corporation. 378,491, June 11, 1940. Republished Nov. 9.
Olive oil and a blend of peanut oil and olive oil used for salad and cooking purposes. A. Castello. 441,290, Nov. 9; Serial No. 517,701.
Oranges, lemons, grape-fruit, etc. Winter Haven Citrus Growers Association. 91,147, Apr. 15, 1913. Republished Nov. 9.
Peanut brittle. Dey & Prest. 503,830, Nov. 9; Serial No. 529,369.
Pork products. S. W. Stauffer. 250,033, renewed Nov. 27, 1948. O. G. Nov. 9.
Pork, sausages, hams, etc. R. M. Burnett. 32,076, renewed Oct. 18, 1948. O. G. Nov. 9.
Rice. Southern Rice Sales Company, Inc. 339,335, Oct. 6, 1936. Republished Nov. 9.
Rice. Southern Rice Sales Co., Inc. 347,075, June 15, 1937. Republished Nov. 9.
Rice, barley, dried peas, etc. Southern Rice Sales Company, Inc. 285,005, July 14, 1931. Republished Nov. 9.
Rye bread. E. H. Koester Bakery Company. 325,141, June 11, 1935. Republished Nov. 9.
Salad dressing. Churngold Corporation. 426,638, Jan. 7, 1947. Republished Nov. 9.
Salad oil, olive oil, cotton-seed oil, etc. Conway Import Co., Inc. 363,419, Dec. 27, 1938. Republished Nov. 9.
Salt block. Myles Salt Co., Ltd. 336,899, July 21, 1936. Republished Nov. 9.
Salt, Table. Myles Salt Co., Ltd. 323,987, May 7, 1935. Republished Nov. 9.
Sandwiches. H. H. Clark. 245,587, renewed Aug. 14, 1948. O. G. Nov. 9.
Seasoning preparation. J. Barker. 503,825, Nov. 9; Serial No. 521,107.
Syrups, Table, canned vegetables, canned fruits, etc. Ehrhart-Conrad Company. 503,725, Nov. 9; Serial No. 521,004, published Aug. 10, 1948.
Tea. Carter Macy Tea & Coffee Co., Inc. 313,361, May 29, 1934. Republished Nov. 9.
Vegetables and fresh grapes, Fresh. H. Frankenthal. 389,152, July 29, 1941. Republished Nov. 9.
Vegetables and grapes, Fresh. Schuman Co. 403,647, Oct. 5, 1943. Republished Nov. 9.
Vegetables and melons, Fresh. Justman & Co., Inc. 380,683, Aug. 27, 1940. Republished Nov. 9.
Vegetables, Canned. Oconomowoc Canning Company. 249,772, renewed Nov. 20, 1948. O. G. Nov. 9.
Vegetables, Canned, canned fruits, canned berries, etc. Haas-Baruch & Co. 250,796, renewed Dec. 18, 1948. O. G. Nov. 9.
Vegetables. Fresh. W. Massera. 432,667, Sept. 9, 1947. Republished Nov. 9.
Vegetable oils, Edible. Rosa Food Products Co. 441,246, Nov. 9; Serial No. 502,463, published Aug. 10, 1948.
Vinegar, mince meat, spices, etc. Haskell, Adams Co. 122,641, Sept. 3, 1918. Republished Nov. 9.
Wheat product. Fisher Flouring Mills Company. 370,586–7, Aug. 29, 1939. Republished Nov. 9.
Wheat product. Fisher Flouring Mills Company. 370,589, Aug. 29, 1939. Republished Nov. 9.

CLASS 47

Wines. Pacific Wines. 411,886, Feb. 6, 1945. Republished Nov. 9.
Wines. Robertson Bros. & Co. Limited. 306,233–4, Sept. 12, 1933. Republished Nov. 9.
Wines. Robertson Bros. & Co. Limited. 331,543, Jan. 14, 1936. Republished Nov. 9.
Wines. Williams & Humbert. 306,232, Sept. 12, 1933. Republished Nov. 9.

CLASS 48

Beer and ale. G. Krueger Brewing Company. 333,508, Mar. 24, 1936. Republished Nov. 9.
Beer, Malt. G. Heileman Brewing Co. 408,190, July 25, 1944. Republished Nov. 9.
Beverages, Nonalcoholic malt cereal. M. E. Goetz Brewing Company. 251,838, renewed Jan. 15, 1949. O. G. Nov. 9.

CLASS 49

Whiskey. Continental Distilling Corporation. 316,670, Sept. 4, 1934. Republished Nov. 9.
Whiskey. Continental Distilling Corporation. 321,136, Jan. 22, 1935. Republished Nov. 9.
Whiskey. Continental Distilling Corporation. 321,214. Jan. 22, 1935. Republished Nov. 9.
Whiskey. Henry Kelly & Sons, Incorporated. 363,034, Dec. 13, 1938. Republished Nov. 9.
Whisky. Peter Dawson, Ltd. 97,218, May 26, 1914. Republished Nov. 9.
Whisky. Peter Dawson Limited. 97,684, June 16, 1914. Republished Nov. 9.
Whisky. John Dewar & Sons Limited. 300,774, Feb. 7, 1933. Republished Nov. 9.
Whisky. New Tomatin Distillers Company Limited. 316,805, Sept. 4, 1934. Republished Nov. 9.
Whisky. Scotia Distillers Limited. 304,971, July 25, 1933. Republished Nov. 9.
Whisky, Scotch. P. Dawson. 40,916, Aug. 11, 1903. Republished Nov. 9.
Whisky, Scotch. Haig & Haig Limited. 359,367, Aug. 16, 1938. Republished Nov. 9.
Whisky, Scotch. Haig & Haig Limited. 376,064, Mar. 12, 1940. Republished Nov. 9.
Whisky, Scotch. Wm. Sanderson & Son. 332,808, Feb. 25, 1936. Republished Nov. 9.

CLASS 50

Asbestos mats, Protective. J. S. Garber. 441,252, Nov. 9; Serial No. 507,979, published July 27, 1948.
Boxes, Feed, water cups, metal bag feeders, etc. United Co-Operatives, Inc. 380,606, Aug. 27, 1940. Republished Nov. 9.
Felt in the piece. American Felt Company. 503,728, Nov. 9; Serial No. 522,883, published Aug. 3, 1948.
Floor mats, Flexible. G. E. Snodgrass. 441,262, Nov. 9; Serial No. 511,296, published Aug. 3, 1948.
Hangers, Trouser. Snook Industries. 441,273, Nov. 9; Serial No. 518,785, published July 27, 1948.
Printing plates, Thin metallic. Electrographic Corporation. 397,333, Sept. 1, 1942. Republished Nov. 9.
Tents, window awnings, porch awnings, etc. Eveready Canvas Corporation. 503,744, Nov. 9; Serial No. 528,615, published July 27, 1948.
Writing boards also known as blackboards. Weber Costello Co. 503,761, Nov. 9; Serial No. 532,785, published July 27, 1948.

CLASS 55

Railroad passenger and freight transportation service. Baltimore & Ohio Railroad Company. 503,804, Nov. 9; Serial No. 532,996, published Aug. 17, 1948.
Small loan, instalment loan and instalment credit business, Services rendered in the. Beneficial Industrial Loan Corporation. 503,803, Nov. 9; Serial No. 527,270, published July 13, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Allied Chemical & Dye Corporation, assignee: *See*—
Tweit, Olav M.

Tweit, Olav M., Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation. Wash box. Re. 23,048, Nov. 9.

LIST OF DESIGN PATENTEES

Adams, Charles J., Park Ridge, and H. Z. Benton, Woodstock, Ill. Vacuum tube socket. 151,670, Nov. 9.

Adel Precision Products Corp., assignee: *See*—
Meripol, Ed B.

Angel Bra Corp., assignee: *See*—
Selcow, Jack.

Armus, Charlotte T., New York, N. Y. Ash tray. 151,671, Nov. 9.

Armus, Charlotte T., New York, N. Y. Ash tray. 151,672, Nov. 9.

Arpin, Leonard G., Montclair, N. J. Earring or similar article. 151,673, Nov. 9.

Arpin, Leonard G., Montclair, N. J. Earring or similar article. 151,674, Nov. 9.

Benton, Harold Z.: *See*—
Adams, Charles J., and Benton.

Bird, Edward, London, England. Rocking chair. 151,675, Nov. 9.

Bletzinger, Frederick, Sr., Chicago, Ill. Paper roll holder or similar article. 151,676, Nov. 9.

Bloch Freres, Inc., assignee: *See*—
Bloch, Mathieu.

Bloch, Mathieu, assignor to Bloch Freres, Inc., New York, N. Y. Font of type. 151,677, Nov. 9.

Blouin, Leo W., Middleboro, Mass. Bobby pin and hairpin holder. 151,678, Nov. 9.

Braun, Samuel, Rockville Centre, and M. Crystal, Forest Hills, N. Y. Watch and jewelry display box. 151,679, Nov. 9.

Briggs, Charles B., Horbury, assignor to Slazengers Limited, London, and William Sykes Limited, Horbury, England. Racquet press. 151,680, Nov. 9.

Brill, Edward F., Milwaukee, Wis. Self-service refrigerated display case. 151,681, Nov. 9.

Bristol Steel & Iron Works, Inc., assignee: *See*—
Ferguson, Robert O.

Chautauqua Hardware Corporation, assignee: *See*—
Gane, Robert W.

Chernow, Michael, New York, N. Y. Chain for a bracelet or similar article. 151,682, Nov. 9.

Cities Service Oil Company, assignee: *See*—
White, Lysander T.

Clarke, James R., Oneida, N. Y. Powder blender. 151,683, Nov. 9.

Columbia Protektosite Company, Inc., assignee: *See*—
Lux, Eugene J.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Crystal, Max: *See*—
Braun, Samuel, and Crystal.

Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 151,684, Nov. 9.

Eberle, Philip F., and L. E. Sans, San Francisco, Calif. Bootee. 151,685, Nov. 9.

Ekco Products Company, assignee: *See*—
Lueneburg, Walter C.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Combined syringe bag and tube support. 151,686, Nov. 9.

Fisk, Earl R., Depew, Okla. Combined lamp and smoking stand. 151,687, Nov. 9.

Flock, Arthur E.: *See*—
Pulver, Wilfrid A., and Flock.

Foster, Charles H., New York, N. Y. Airplane control toy. 151,688, Nov. 9.

Gane, Robert W., assignor to Chautauqua Hardware Corporation, Jamestown, N. Y. Drawer pull. 151,689, Nov. 9.

Glenmore Distilleries Company, assignee: *See*—
Kelley, Henry E., Jr.

Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 151,690, Nov. 9.

Gunn, Carl D.: *See*—
Whitman, George L., and Gunn.

Haft, Morris W., & Bros., Inc., assignee: *See*—
Goldberg, Harry.

Haggstrom, Arthur C., assignor to Style Line Products Co., Rockford, Ill. Animal trap. 151,691, Nov. 9.

Heller, Harold S., Cleveland Heights, Ohio. Stapling machine or similar article. 151,692, Nov. 9.

Jacobson, Louis, New York, N. Y. Spectacle frame. 151,693, Nov. 9.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,694, Nov. 9.

Kelley, Henry E., Jr., Kirkwood, Mo., assignor to Glenmore Distilleries Company, Louisville, Ky. Straw holder. 151,695, Nov. 9.

Kewaskum Utensil Company, assignee: *See*—
Oster, Edna M.

Klaschek, Charles, Brooklyn, N. Y., and G. Klashek, London, England. Jewelry charm. 151,696, Nov. 9.

Klashek, George: *See*—
Klaschek, Charles, and George.

Leavin, William H., New York, N. Y. Lipstick case or similar article. 151,697, Nov. 9.

Levoy, Monroe B., New York, N. Y. Spectacle frame. 151,698, Nov. 9.

Lockheed Aircraft Corporation, assignee: *See*—
Pulver, Wilfrid A., and Flock.

Lothrop, George W., Wayne, Mich. Ski sandal. 151,699, Nov. 9.

Lueneburg, Walter C., Evanston, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 151,700, Nov. 9.

Lux, Eugene J., New York, N. Y., assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Table or similar article. 151,701, Nov. 9.

Macpherson, Mildred, New York, N. Y. Dress. 151,702, Nov. 9.

Meripol, Ed B., Los Angeles, assignor, by mesne assignments, to Adel Precision Products Corp., Burbank, Calif. Garden tractor. 151,703, Nov. 9.

Oster, Edna M., assignor to Kewaskum Utensil Company, Kewaskum, Wis. Utensil handle. 151,704, Nov. 9.

Patterson, Edmund M., New York, N. Y. Textile fabric. 151,705, Nov. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,706, Nov. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,707, Nov. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,708, Nov. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,709, Nov. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,710, Nov. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,711, Nov. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,712, Nov. 9.

Pulver, Wilfrid A., Sherman Oaks, and A. E. Flock, Van Nuys, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 151,713, Nov. 9.

Radio Corporation of America, assignee: *See*—
Rettinger, Michael.

Reid, Rose M., Los Angeles, Calif. Bathing suit. 151,714, Nov. 9.

Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Recording studio building or the like. 151,715, Nov. 9.

Rothe, Walter F., Washington, D. C. Necktie or the like. 151,716, Nov. 9.
Rothe, Walter F., Washington, D. C. Necktie or the like. 151,717, Nov. 9.
Rothe, Walter F., Washington, D. C. Necktie or the like. 151,718, Nov. 9.
Ruger Corporation, assignee: *See*—
Ruger, William B.
Ruger, William B., Wilton, assignor to Ruger Corporation, Southport, Conn. Brace. 151,719, Nov. 9.
Sans, Louis E.: *See*—
Eberle, Philip F., and Sans.
Selcow, Jack, assignor to Angel Bra Corp., New York, N. Y. Brassière. 151,720, Nov. 9.
Slazengers Limited, assignee: *See*—
Briggs, Charles B.
Style Line Products Co., assignee: *See*—
Haggstrom, Arthur C.
Such, Genevieve L., Chicago, Ill. Bolster cover for pillows or similar article. 151,721, Nov. 9.
Sykes, William Limited, assignee: *See*—
Briggs, Charles B.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
U. S. Machine Corporation, assignee: *See*—
Winkler, Herman E., and C. J.
Van Cleef & Arpels, Inc., assignee: *See*—
Duvalet, Maurice.
Welsh, Frederick E., Springwater, N. Y. Dispensing device for dog biscuits or the like. 151,722, Nov. 9.
White, Constance R., Beverly Hills, Calif. Toy jack-in-the-box or similar article. 151,723, Nov. 9.
White, Lysander T., assignor to Cities Service Oil Company, New York, N. Y. Service station. 151,724, Nov. 9.
Whitman, George L., Weedsport, and C. D. Gunn, Auburn, N. Y. Pruning saw. 151,725, Nov. 9.
Winkler, Carl J.: *See*—
Winkler, Herman E. and C. J.
Winkler, Herman E. and C. J., assignors to U. S. Machine Corporation, Lebanon, Ind. Space heater. 151,726, Nov. 9.
Ziemann, Harry J., Wauwatosa, Wis. Miter box. 151,727, Nov. 9.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF NOVEMBER, 1948

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
Weston, Arthur W.
Able Scientific Glass Apparatus Co., assignee: *See*—
Meneses, Hector A.
Abramson, Abraham, New York, assignor to Raylite Electric Corp., Bronx, N. Y. Device producing ornamental bubble effects and method. 2,453,176, Nov. 9.
Abramson, Abraham, New York, assignor to Raylite Electric Corp., Bronx, N. Y. Device producing ornamental bubble effects and method. 2,453,177, Nov. 9.
Abramson, Abraham, New York, assignor to Raylite Electric Corp., Bronx, N. Y. Bubble ornamental device and method. 2,453,178, Nov. 9.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Couch, James F., and Krewson.
MacDowell, Louis G., Moore, and Atkins.
Mehltretter, Charles L.
Olcott, Harold S., and Fraenkel-Conrat.
Rehberg, Chessie E.
Watson, Paul D.
Aktiengesellschaft Brown, Boveri & Cie: *See*—
Thommen, Hans.
Aldrich, Charles S.: *See*—
Westberg, Arthur H., and Aldrich.
Alexanderson, Howard A., Wood-Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine control. 2,453,650, Nov. 9.
Alexanderson, Howard A., Wood-Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Throttle control for aircraft engines. 2,453,652, Nov. 9.
Alexanderson, Howard A., Wood-Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Regulator. 2,453,653, Nov. 9.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Roubal, Alexander J.
American Brake Shoe Company, assignee: *See*—
Blume, William A., and Spokes.
American Can Company, assignee: *See*—
Thornburgh, Ivan D.
American Cyanamid Company, assignee: *See*—
Baker, Bernard R.
Bernstein, Seymour, and Dorfman.
Cullinan, John F., and Lytle.
Kropa, Edward L.
Lacey, Harold T., and Brouillard.
Moore, Leonard P., and Ericks.
Sargent, Donald E.
Scholz, Theodore F.
Sickels, Jackson P.
Sickels, Jackson P., and Sargent.
West, Herbert J.
American Enka Corporation, assignee: *See*—
Koch, Theodoor.
American Rayon Company, Inc., assignee: *See*—
Furness, William H.
American Viscose Corporation, assignee: *See*—
Row, Stuart B., and Woolley.
Anderson-Bolling Mfg. Co., assignee: *See*—
Duffy, Thomas I.
Anglo-Iranian Oil Company Limited, assignee: *See*—
Docksey, Patrick.
Apex Tool & Cutter Company, assignee: *See*—
Sheridan, Henry M.
Arnold, James L., Oakland, Calif. Painter's easel attachment for ladders. 2,453,355, Nov. 9.
Arrow-Hart & Hegeman Electric Co., The, assignee: *See*—
Schleicher, Harold E.
Asiatic Petroleum Company, Limited, assignee: *See*—
Lubbock, Isaac.
Askania Regulator Company, assignee: *See*—
Glass, Paul.
Atkins, Cedric D.: *See*—
MacDowell, Louis G., Moore, and Atkins.
Attorney General of the United States: *See*—
Lejeune, Leon S. M.
Auerbach, Maurice J., Cleveland Heights, assignor to Standard Vendors, Inc., Cleveland, Ohio. Coin-controlled device. 2,453,398, Nov. 9.
Aurillo, Joseph M., Fairfield, and J. H. Schecter, assignor to McNeil Bros. Inc., Bridgeport, Conn. Horizontal liquid current separator. 2,453,293, Nov. 9.
Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator power supply. 2,453,612, Nov. 9.
Austin Motor Company Limited, The, assignee: *See*—
Haefeli, Julius C.
Austin, Robert R., Inglewood, Calif. Hair drier. 2,453,179, Nov. 9.
Automatic Electric Laboratories, Inc., assignee: *See*—
Rugh, Harry O.
Avco Manufacturing Corporation, assignee: *See*—
Davis, Dwillard J.
Axtell, Gene M., Berkeley, Calif. Ear decoration. 2,453,485, Nov. 9.
B M C Manufacturing Corporation, assignee: *See*—
Ward, Vincent S., and Huribut.
Babbitt, Daniel R., San Francisco, Calif., assignor to Electric Steel Foundry, Portland, Oreg. Sanitary filter. 2,453,613, Nov. 9.
Babcock & Wilcox Company, The, assignee: *See*—
Fletcher, James and Huge.
Bachelder, Albert J., Lexington, and O. E. Wolff, Cambridge, assignors to Polaroid Corporation, Cambridge, Mass. Shutter mechanism. 2,453,180, Nov. 9.
Bachmann Bros., Inc., assignee: *See*—
McNeill, Albert G.
Bacon, Leslie R.: *See*—
Tremain, Henry E., and Bacon.
Baer, Georges, Paudex-Lausanne, Switzerland. Hatching device. 2,453,356, Nov. 9.
Bailey Meter Company, assignee: *See*—
Hoffman, Howard T.
Bailey, Neil P.: *See*—
McMahan, Kenton D., and Bailey.
Bain, Joseph P., and A. H. Best, Jacksonville, Fla., assignors, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Isomerization of bicyclic substances and products resulting therefrom. 2,453,110, Nov. 9.
Baker, Bernard R., Nannet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Ureylenethiophane carboxylic acids and esters and preparing same. 2,453,564, Nov. 9.
Baker, Carlos J.: *See*—
Statham, Louis D., Baker, and Swartzel.
Baker, Earl J., Parma, and H. F. Baker, Detroit, Mich. Disk record holder. 2,453,399, Nov. 9.
Baker, Herbert F.: *See*—
Baker, Earl J. and H. F.
Ball, Jack, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Electronic timer. 2,453,486, Nov. 9.
Barabash, Elizabeth: *See*—
Seymour, White, and Barabash.
Barden, William A., Waynesville, N. C. Support for golf bags. 2,453,565, Nov. 9.
Barkley, Robert Y., Weems, Va. Sheave block with self-locking track slide. 2,453,357, Nov. 9.
Barnett, Charles A., and J. M. Beyvl, assignors to The Foundry Equipment Company, Cleveland, Ohio. Apparatus for drying foundry molds. 2,453,400, Nov. 9.
Barold, George, Belt & Associates: *See*—
Vars, Ethan W.
Barry, William C.: *See*—
Dunsheath, Percy, and Barry.
Bartholomew, Robert J., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Tape loom. 2,453,181, Nov. 9.
Bates, Mildred R., Orange, N. J. Brassière. 2,453,296, Nov. 9.
Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Hatch plug for closing openings in ice containers of refrigerator cars. 2,453,294, Nov. 9.
Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Ice container for refrigerator cars. 2,453,295, Nov. 9.
Bausch & Lomb Optical Company, assignee: *See*—
Pestrecov, Konstantin.
Stegeman, Raymond F. E.
Bechler, André, Moutier, Canton of Berne, Switzerland. Spindle bearing for machine tools. 2,453,182, Nov. 9.
Beeching, Hiram O., South Bend, Wash. Live jump roll. 2,453,401, Nov. 9.
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Sealing means for traveling grate stokers. 2,453,487, Nov. 9.
Bell Aircraft Corporation: *See*—
Strickler, John F., Jr., and Edelson.
Bell, Allen M., Jr., Philadelphia County, Pa. Radius attachment for lathes. 2,453,111, Nov. 9.
Bell, Harvey W., Yonkers, N. Y. Compressor or pump. 2,453,402, Nov. 9.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bryant, Herbert W.
Gordon, Chester S.
Havstad, Harald.
Mason, Warren P.
Norwine, Andrew C.
Potter, James A.
Schelleng, John C.

Belmont Radio Corporation, assignee: *See*—
Royal, Leslie L.

Belsinger Inc., assignee: *See*—
Belsinger, Jack B.

Belsinger, Jack B., assignor to Belsinger Inc., Atlanta, Ga. Easy packing container. 2,453,614, Nov. 9.

Bendix Aviation Corporation, assignee: *See*—
Alexanderson, Howard A.
Buxton, James E.
Gilbert, Samuel.
Gregg, David, and Troeger.
Mock, Frank C.
Wheeler, Harold A.

Bennett, George, Vallejo, Calif. Clamp. 2,453,112, Nov. 9.

Benson, Ralph L., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Compressor motor and making same. 2,453,297, Nov. 9.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Tinsel wire connector. 2,453,615, Nov. 9.

Bernstein, Seymour, Pearl River, and L. Dorfman, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Dialkyl thioacetals of cholestanone and method. 2,453,566, Nov. 9.

Berry, Thomas H., assignor to Green & Berry, Inc., Modesto, Calif. Cable spooling device for well drilling rigs. 2,453,184, Nov. 9.

Berstell, Leo, Waterbury, Conn. Watch bezel. 2,453,616, Nov. 9.

Bersudsky, Sidney, Sydney, Nova Scotia, Canada. Adjustable sock stretcher. 2,453,183, Nov. 9.

Bertea, Alex, Pasadena, Calif. Electric motor. 2,453,358, Nov. 9.

Bertea, Alex, Altadena, Calif. Electric motor. 2,453,359, Nov. 9.

Best, Albert H.: *See*—
Bain, Joseph P., and Best.

Beyvl, Joseph M.: *See*—
Barnett, Charles A., and Beyvl.

Bilhuber, Paul H., Douglas Manor, assignor to Steinway & Sons, New York, N. Y. Apparatus for edge-gluing strip elements. 2,453,185, Nov. 9.

Binda, Frederick J., assignor to Polaroid Corporation, Cambridge, Mass. Hot-water treatment of vinyl resin light-polarizing sheet. 2,453,186, Nov. 9.

Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Tailgate for highway vehicles. 2,453,617, Nov. 9.

Blain, Albert, Philadelphia, Pa., assignor to Radio Corporation of America. Radio receiver sequence tuner. 2,453,187, Nov. 9.

Bliss, E. W., Company, assignee: *See*—
Crane, Edward V., and Kuhn.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Synthetic resins and preparation thereof by reacting an alkyl benzene, a phenolic compound, and a dihaloalkane. 2,453,298, Nov. 9.

Bloomberg, William H., West Medford, Mass. Free-opening, nonclosing snap lock device. 2,453,299, Nov. 9.

Blume, William A., Farmington, and R. E. Spokes, Ann Arbor, Mich., assignors to American Brake Shoe Company, New York, N. Y. Making friction elements and bond therefor. 2,453,188, Nov. 9.

Blumenthal, Sol, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Mechanical seal for selenium rectifier cells. 2,453,618, Nov. 9.

Boeckeler, B. Clark: *See*—
Edsall, Lou B., Kilander, Kormendi, and Boeckeler.

Bogardus, Charles E., New Rochelle, N. Y. Windbreaker for parked aircraft. 2,453,403, Nov. 9.

Bogut, Ignatius, South Orange, N. J. Pot suspension device. 2,453,189, Nov. 9.

Bohlman, Walter S., Wilmington, Del., and D. S. Bruce, Lawrence, Kans., assignors, by mesne assignments, to United States of America, as represented by the Secretary of War. Apparatus for making plastic masses. 2,453,404, Nov. 9.

Bolser, Clark M., Cedar Falls, Iowa. Repackable adjustable oil filter cartridge. 2,453,405, Nov. 9.

Bonin, George E., assignor to Simonds Machine Co., Inc., Southbridge, Mass. Lens grinding machine. 2,453,300, Nov. 9.

Booth, Arthur E., Los Angeles, Calif. Meter testing device. 2,453,191, Nov. 9.

Borden Company, The, assignee: *See*—
Shipstead, Helge.

Boscowitz, Herbert H., New York, N. Y. Finger ring with key. 2,453,190, Nov. 9.

Bowen, Phil C., Merriam, Kans. Garment drier head. 2,453,488, Nov. 9.

Bowers, Jack L., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. High-frequency variable inductance. 2,453,113, Nov. 9.

Bowles, Vernon O.: *See*—
Reed, Carl S., Schutte, and Bowles.

Brady, Francis E., Jr., Muncie, Ind. Fitting for automobile radiators. 2,453,406, Nov. 9.

Brandt, Kristian H., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Filter condenser and brush holder. 2,453,114, Nov. 9.

Bremer, Agatha K., assignee: *See*—
Kleinkort, Henry P.

Bronander, Wilhelm B., Montclair, N. J. Cooling fin structure for internal-combustion engines. 2,453,567, Nov. 9.

Brouillard, Robert E.: *See*—
Lacey, Harold T.

Brown, Carl A., Aberdeen, Md. Steel tape holder. 2,453,115, Nov. 9.

Brown, Morris E., and N. F. Lehr, assignors to Eastman Kodak Company, Rochester, N. Y. Multiple and individual shutter releases for power-driven motion-picture cameras. 2,453,301, Nov. 9.

Bruce, David S.: *See*—
Bohlman, Walter S., and Bruce.

Brundi, Irwin M., Bridgeport, and E. F. Reihman, Fairfield, Conn., assignors to General Electric Company. Ultra high frequency oscillator. 2,453,489, Nov. 9.

Bryant, Harold W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl carboxylate polymerization using a thiourea stopper. 2,453,655, Nov. 9.

Bryant, Herbert W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Moisture impervious vent. 2,453,192, Nov. 9.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle suspension. 2,453,116, Nov. 9.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle suspension. 2,453,117, Nov. 9.

Buckingham, William D., and C. R. Delbert, Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Concentrated arc discharge device. 2,453,118, Nov. 9.

Bullard Company, The, assignee: *See*—
Bullard, Edward P., III.

Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Rack and pinion gear means. 2,453,656, Nov. 9.

Burk, Paul W.: *See*—
Wright, Carleton H., Chadwick, and Burk.

Burks, George E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Bearing mounting for drive sprockets of track type tractors. 2,453,360, Nov. 9.

Burns, Andrew K., Narberth, Pa., assignor to Chrontroller Corporation, Newport, N. H. Time switch. 2,453,193, Nov. 9.

Burns, Jake D., Richmond, Calif. Welding line reel switch. 2,453,407, Nov. 9.

Burrows, Harry: *See*—
Tomlin, George M.

Butler Manufacturing Company, assignee: *See*—
Myers, Harold C.

Butzner, James I.: *See*—
Payne, John W., Simpson, and Butzner.

Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starting gearing. 2,453,657, Nov. 9.

Buzzell, Harold O., Wollaston, assignor to Polaroid Corporation, Cambridge, Mass. Light polarizing headlight lamination. 2,453,194, Nov. 9.

Byrns, Alva C., Los Altos, assignor to Union Oil Company of California, Los Angeles, Calif. 1,3-Diketones. 2,453,619, Nov. 9.

Caldow, Alexander W., Chicago, Ill. Safety for firearms. 2,453,683, Nov. 9.

Callaway, Jack B., Summit, and D. B. Killian, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing a barium lake pigment. 2,453,490, Nov. 9.

Calleia, Cipriano R., Lisbon, Portugal. Apparatus for the manufacture of corkboard by injection of a heated gas. 2,453,568, Nov. 9.

Cameron Can Machinery Corporation, assignee: *See*—
Simpson, Justin.

Cardin, Carl J., Downers Grove, Ill. Fountain pen. 2,453,491, Nov. 9.

Cardox Corporation, assignee: *See*—
Williamson, Hilding V., and Griesemer.

Carlia, Alexander L., Norfolk, Va. Grain trimming device. 2,453,408, Nov. 9.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Hedges, Don F.

Carpenter, Carson R., Charlotte, N. C. Hernia truss. 2,453,195, Nov. 9.

Carter, Ben, Granite City, Ill., assignor of one-half to R. V. Warga, Rolla, Mo. Barrel closing ring. 2,453,492, Nov. 9.

Case, J. I., Company, assignee: *See*—
Marsh, John L.

Caterpillar Tractor Co., assignee: *See*—
Burks, George E.

Cathey, Clarence D., and J. E. Miller, Checotah, Okla. Washing machine. 2,453,620, Nov. 9.

Celanese Corporation of America, assignee: *See*—
Seymour, White, and Barabash.

Cementone Corporation, The, assignee: *See*—
Henderson, Albert.

Chace, Thomas B., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Fluid control system. 2,453,409, Nov. 9.

Chadwick, George A.: *See*—
Wright, Carleton H., Chadwick, and Burk.

Chefford Master Manufacturing Co., Inc., assignee: *See*—
McCullough, Delbert.

Chemprotin Products, assignee: *See*—
Edsall, Lou B., Kilander, Kormendi, and Boekceler.

Chicago Bridge & Iron Company, assignee: *See*—
Moyer, Frederick D.

Chilo, Paul, Chicago, Ill. Lamp shade holder. 2,453,658, Nov. 9.

Chinn, Orville W., Lexington, Ky. Illuminated compact. 2,453,621, Nov. 9.

Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,453,119, Nov. 9.

Chrontroller Corporation, assignee: *See*—
Burns, Andrew K.

Chrysler Corporation, assignee: *See*—
Neracher, Carl A., and Dunn.

Ciba Limited, assignee: *See*—
Hoelzle, Kurt, and Kambli.

Ciba Pharmaceutical Products, Incorporated, assignee: *See*—
Hofmann, Klaus.

Cincinnati Milling Machine Co., The, assignee: *See*—
Soden, Harold R.

Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Fluorenone dielectric composition. 2,453,494, Nov. 9.

Clark, Frank M., and E. L. Raab, Pittsfield, Mass., assignors to General Electric Company. Halogenated hydrocarbon composition. 2,453,493, Nov. 9.

Clark, Jess H., Miami, Ariz. Fuel control system for Diesel engines. 2,453,196, Nov. 9.

Clark, John A.: *See*—
Soderberg, Carl R., and Clark.

Clark, Winslow B. M.: *See*—
Jones, Harry S., and Clark.

Clay, Paul H., Asheville, assignor of one-third to C. H. Landers, and one-third to E. Sluder, Weaverville, N. C. Disk plow attachment for tractors. 2,453,197, Nov. 9.

Clement, Clyde H., Phoenix, Ariz. Electric line deicer. 2,453,361, Nov. 9.

Cleveland, Jesse L., Two Harbors, Minn. Sanitary cow guard. 2,453,302, Nov. 9.

Cline, Allen B., Rosemead, Calif. Denture repair tool. 2,453,303, Nov. 9.

Cloete, Floris, Detroit, Mich. Hydrokinetic coupling. 2,453,684, Nov. 9.

Coffey, Daniel J., Bronx, N. Y. Combined cigarette holder and ash tray. 2,453,304, Nov. 9.

Collins Radio Company, assignee: *See*—
Moseley, Francis L.

Columbus Dental Manufacturing Company, The, assignee: *See*—
King, James R.

Commercial Controls Corporation, assignee: *See*—
Rast, Frederick Q.

Connor, Harvey R., Seattle, Wash. Noninterlocking bumper guard. 2,453,362, Nov. 9.

Continental Can Company, Inc., assignee: *See*—
Emmons, Clarence L.
Mero, Ralph M.

Controlled Heat & Air Limited, assignee: *See*—
McKeown, Charles G.

Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Starting system for free piston units. 2,453,495, Nov. 9.

Corbett, Mitchell S., Oak Park, Ill. Blade holder. 2,453,198, Nov. 9.

Corson, G. and W. H., Inc., assignee: *See*—
Minnick, Leonard J.

Couch, James F., Glenside, and C. J. Krewson, Erdenheim, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Removing fats from rutin extracts. 2,453,305, Nov. 9.

Couch, James F., and C. F. Krewson, Glenside, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Converting nicotinonitrile into nicotinamide. 2,453,496, Nov. 9.

Crabtree, J. A., & Co., Ltd., assignee: *See*—
Hill, Walter E., and Wintle.

Crall, Irma, administratrix: *See*—
Crall, William R.

Crall, William R., deceased, Pampa, Tex.; I. Crall, administratrix. Antiparaffin sucker rod. 2,453,199, Nov. 9.

Crane, Edward V. and K. Kuhn, assignors to E. W. Bliss Company, Brooklyn, N. Y. Double seamer. 2,453,200, Nov. 9.

Crawford Door Company, assignee: *See*—
Hackathorn, Robert A.

Cross, Harold V., Miles City, Mont. Honda. 2,453,497, Nov. 9.

Crowley, George C., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 2,453,498, Nov. 9.

Cullinan, John F., and L. D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Acid treatment of anthraquinonethiazole vat dyestuffs. 2,453,410, Nov. 9.

Cunningham, Arthur R., Detroit, Mich. Vehicle construction. 2,453,499, Nov. 9.

Cunningham, Arthur R., assignor to Ray Cunningham and Sons, Inc., Detroit, Mich. Vehicle construction. 2,453,500, Nov. 9.

Cunningham, Ray, and Sons, Inc., assignee: *See*—
Cunningham, Arthur R.

Curtis, David, New York, N. Y. Carbohydrate-boric acid salts of amino aromatic bases. 2,453,108, Nov. 9.

Curtis, Myron S., assignor to The Warner & Swasey Company, Cleveland, Ohio. Locating and locking mechanism for machine-tool turrets. 2,453,120, Nov. 9.

Curtiss-Wright Corporation, assignee: *See*—
Statham, Louis D., Baker, and Swartzel.
Wardle, Meredith C., and Howard.

Cushman & Denison Manufacturing Company, Inc., assignee: *See*—
Cushman, James S.

Cushman, James S., assignor to Cushman & Denison Manufacturing Company, Inc., New York, N. Y. Marking device. 2,453,201, Nov. 9.

Cutler-Hammer, Inc., assignee: *See*—
Krieger, Alvin W.

Cutts, Dorothea L., assignee: *See*—
Cutts, Richard M.

Cutts, Richard M., assignor of one-half to D. L. Cutts, The Plains, Va. Gas porting device for shotguns. 2,453,121, Nov. 9.

Dadant, Henry C., Hamilton, Ill. Bee comb foundation. 2,453,411, Nov. 9.

Dairy Equipment Company, assignee: *See*—
Moksnes, Karl E.

Dairy Specialties, Inc., assignee: *See*—
Jones, John P.

Davidson, Norman R., Princeton, N. J., assignor to Radio Corporation of America. Electron diffraction system and method. 2,453,412, Nov. 9.

Davis, Dwillard J., Detroit, Mich., assignor to Avco Manufacturing Corporation. Apparatus for measuring wall thickness of propeller blades. 2,453,306, Nov. 9.

Davis, Gerhold O.: *See*—
Hansen, Edward, and Davis.

Debacher, Max O., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl acetal resin. 2,453,569, Nov. 9.

Debacher, Max O., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl acetal resin. 2,453,570, Nov. 9.

De Barbieri, Joseph L., and E. Kishner, Brooklyn, N. Y. Control device. 2,453,571, Nov. 9.

De Frees, Joseph H., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa. Valve structure. 2,453,413, Nov. 9.

Deluxe Products Corporation, The, assignee: *See*—
Flint, Charles R.

Densmore, Nicholas B., Lawrence, Mich. Apron. 2,453,202, Nov. 9.

De Regnauld de Bellescize, Henri J. J. M., Saint-Germain au Mont-d'or, Rhone, France, assignor to E. Gutzwiller & Co., Basel, Switzerland. Secret telegraph signaling. 2,453,659, Nov. 9.

Despotakis, Tony, Hyde Park, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Roof for railway freight cars. 2,453,307, Nov. 9.

Detroit Stoker Company, assignee: *See*—
Beers, Royce L.

De Vore, Henry B., Cranbury, N. J., assignor to Radio Corporation of America. System for directing radio waves. 2,453,414, Nov. 9.

Devreotes, Peter: *See*—
McCall, Fred H., and Devreotes.

Dickieson, Robert W., Detroit, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Trimming mechanism for grinder wheels. 2,453,501, Nov. 9.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Variable frequency relaxation oscillator. 2,453,203, Nov. 9.

Dimick, Henry N., assignor to Hyster Company, Portland, Oreg. Vehicle lighting system. 2,453,415, Nov. 9.

Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Sound-to-image transducing system. 2,453,502, Nov. 9.

Dobbs, Richard H., Atlanta, Kans. Earth boring machine. 2,453,204, Nov. 9.

Docksey, Patrick, Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company Limited, London, England. Controlled fractional distillation of petroleum. 2,453,205, Nov. 9.

Dole Valve Company, The, assignee: *See*—
Chace, Thomas B.

Dom, John M., Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Fluid distribution system. 2,453,416, Nov. 9.

Donat, John F., Euclid, Ohio. Air filter. 2,453,206, Nov. 9.

Dorfman, Louis: *See*—
Bernstein, Seymour, and Dorfman.

Dorman & Smith Limited, assignee: *See*—
Lund, Jack.

Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Vane type hydraulic motor. 2,453,309, Nov. 9.

Dravo Corporation, assignee: *See*—
Pietsch, Herman A.

Duffy, Thomas I., assignor to Anderson-Bolling Mfg. Co., Grand Haven, Mich. Brake for wagons. 2,453,363, Nov. 9.

Dufour, Léon, Geneva, Switzerland. Steering means for vehicles. 2,453,417, Nov. 9.

Dunlop, Richard D., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl butyral composition. 2,453,308, Nov. 9.

Dunn, William D., Linden, N. J. Holder for whetstones. 2,453,207, Nov. 9.

Dunn, William T.: *See*—
Neracher, Carl A., and Dunn.

Dunsheath, Percy, Abinger, and W. C. Barry, Gravesend, assignors to W. T. Henley's Telegraph Works Company Limited, Westcott, Dorking, Surrey, England. Buoyant electric cable. 2,453,418, Nov. 9.

Dunsheath, Percy, Abinger, and W. C. Barry, Gravesend, assignors to W. T. Henley's Telegraph Works Company Limited, London, England. Buoyant electric cable. 2,453,419, Nov. 9.

Dunsheath, Percy, Abinger, and W. C. Barry, Gravesend, assignors to W. T. Henley's Telegraph Works Company Limited, London, England. Buoyant electric cable. 2,453,420, Nov. 9.

Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Adjustable chair for gunners. 2,453,208, Nov. 9.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Bryant, Harold W.
Callaway, Jack B., and Killian.
Langkammerer, Carl M.
Millhiser, Frederick R.

Dwight, Herbert V., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Drive for tracklaying vehicles. 2,453,209, Nov. 9.

Dyer, George, Cheyenne, Wyo. Lamp box type direction signal. 2,453,421, Nov. 9.

Eastman Kodak Company, assignee: *See*—
Brown, Morris E., and Lehr.
Glass, Dudley B., Vittum, and Weissberger.
Hasche, Rudolph L., and McMahon.
Hutchison, Miller R., Jr.
James, Thomas H.
Morris, Reginald B.
Orser, William D.
Russell, Harold D.

Eaton, Milton, Shawinigan Falls, Quebec, assignor to The Shawinigan Water & Power Co., Montreal, Quebec, Canada. Automatic means for regulating electric steam generators. 2,453,210, Nov. 9.

Eaton, Milton, Shawinigan Falls, Quebec, assignor to Shawinigan Water & Power Co., Montreal, Quebec, Canada. Electric steam generator control. 2,453,211, Nov. 9.

Edelson, Stuart K.: *See*—
Strickler, John F., Jr., and Edelson.

Edison, Thomas A., Incorporated, assignee: *See*—
Jones, Harry S., and Clark.

Edsall, Lou B., Wyandotte, and A. K. Kilander, Gibralter, assignors, by mesne assignments, of 9,448/10,570 to Chemprotin Products, Trenton, Mich., 561/10,570 to L. Kormendi, New York, N. Y., and 561/10,570 to B. C. Boeckeler, Gross Ile, Mich. Apparatus for separating starch from gluten. 2,453,310, Nov. 9.

Eggenberger, Hans: *See*—
Von Allmen, Samuel, and Eggenberger.

Electric Steel Foundry, assignee: *See*—
Babbitt, Daniel R.

Electrolay Company, Incorporated, The: *See*—
Jacob, Fraser B.

Electronbeam, Ltd., assignee: *See*—
Zieblz, Herbert.

Elliott, Harry D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Tape applying machine for use in the manufacture of shoes. 2,453,212, Nov. 9.

Ellsworth, Wilfred D., Lynbrook, N. Y. Detachable rowboat shelter. 2,453,422, Nov. 9.

Emerson, William S., and V. E. Lucas, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Flash distillation of acetophenone from benzoic acid. 2,453,423, Nov. 9.

Emmons, Clarence L., Jersey City, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Attaching tear strip winding keys to receptacles. 2,453,503, Nov. 9.

English Electric Company Limited, The: *See*—
Stearn, George F.

English, Leonard W., London, England. Straining or filtering apparatus for liquids. 2,453,622, Nov. 9.

Ensinger, Willis B., Silver Spring, Md., assignor to United States of America as represented by the Secretary of the Navy. Reflector collimator sight for torpedo ejectors. 2,453,122, Nov. 9.

Enterprise Aluminum Company, The, assignee: *See*—
Harris, Robert D.

Ericks, Walter P.: *See*—
Moore, Leonard P., and Ericks.

Erwood Co., The, assignee: *See*—
Erwood, Joseph.

Erwood, Joseph, assignor to The Erwood Co., Crystal Lake, Ill. Intermittent operating mechanism. 2,453,123, Nov. 9.

Ex-Cello-O Corporation, assignee: *See*—
Karweit, John W.

Fafnir Bearing Company, assignee: *See*—
Reynolds, Harry R.

Farber, Eduard, assignor to Timber Engineering Company, Washington, D. C. Treating lignin residues. 2,453,213, Nov. 9.

Fears, Margo S., Norfolk, Va., assignor to A. H. Grabb, Monticello, Ill. Protecting attachment for hair driers. 2,453,364, Nov. 9.

Fedevich, Joseph, Dover, Ohio. Steerable vehicle undercarriage. 2,453,311, Nov. 9.

Ferguson, Ralph C., Hollydale, Calif. Rodless pump. 2,453,365, Nov. 9.

Ferrier, David J., St. Kilda, Victoria, Australia. Varying the tuning of stringed instruments. 2,453,572, Nov. 9.

Figdor, Hans G., assignor to E. F. Houghton & Co., Philadelphia, Pa. Ethyl cellulose composition. 2,453,214, Nov. 9.

Firing, Osborne, New Dorp, Staten Island, N. Y., assignor to Talon, Inc. Slider for slide fasteners. 2,453,660, Nov. 9.

Fleischer, Frank H., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine and securing device. 2,453,504, Nov. 9.

Fletcher, James, Akron, and E. C. Huge, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Pressure sealing device. 2,453,124, Nov. 9.

Fletcher Works, Incorporated, assignee: *See*—
Bartholomew, Robert J.

Flint, Charles R., La Porte, Ind., assignor to The Deluxe Products Corporation. Vacuum breaker. 2,453,125, Nov. 9.

Forcier, Eudore A., U. S. Navy. Hand beading tool. 2,453,126, Nov. 9.

Fornwald, Lawrence J., Plymouth, Mich. Safety door lock. 2,453,505, Nov. 9.

Foster, Edwin F., Austin, Tex. Counterbalance mechanism. 2,453,424, Nov. 9.

Foundry Equipment Company, The, assignee: *See*—
Barnett, Charles A., and Beyvl.

Fraenkel-Conrat, Heinz L.: *See*—
Olcott, Harold S., and Fraenkel-Conrat.

Frazier, Larry C., Lakewood, Ohio, assignor to National-Standard Company, Niles, Mich. Extrusion apparatus. 2,453,312, Nov. 9.

Frederick, John T., assignor of one-half to C. E. Green, Huntington, W. Va. Load retainer for hand trucks. 2,453,427, Nov. 9.

Freed, Ben J., Washington, D. C. Hot food table heating apparatus. 2,453,425, Nov. 9.

Freed, Samuel, Danbury, Conn. Wheel traction device. 2,453,426, Nov. 9.

Fried. Schenk's Wee. Stadtmuhle Bern, assignee: *See*—
Stalder, Oskar.

Furness, William H., Haddonfield, assignor to American Rayon Company, Inc., Collingswood, N. J. Method and apparatus for liquid treatment of yarn, thread, and the like. 2,453,366, Nov. 9.

Gear Grinding Machine Company, The, assignee: *See*—
Dickleson, Robert W.
Gruenberg, Ivor J.

General Electric Company, assignee: *See*—
Bruntil, Irwin M., and Reihman.
Clark, Frank M.
Clark, Frank M., and Raab.
Crowley, George C.
Fleischer, Frank H.
Hubbard, Albert B.
Hugin, Adolph C.
McMahan, Kenton D., and Bailey.
Rauch, William T.
Reardon, Robert T.
Wright, James G. E.
Youngson, Donald A., and Matthews.

General Motors Corporation: *See*—
Lovell, Wheeler G., Mulligan, and Lichtenwalner.
Rady, William J.

Giblin, Mark A., West Allis, Wis. Self-balancing centrifuge. 2,453,367, Nov. 9.

Gibson Refrigeration Company, assignee: *See*—
Benson, Ralph L.

Gilbert, Alfred G., South Acton, and W. H. Rogers, Jr., Malden, assignors to Reece Folding Machine Company, East Cambridge, Mass. Infolding method and machine. 2,453,623, Nov. 9.

Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter and generator means. 2,453,215, Nov. 9.

Gillette Safety Razor Company, assignee: *See*—
Locke, Edwin A., Jr.

Glass, Dudley B., P. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Colored couplers. 2,453,661, Nov. 9.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Electrical control circuit. 2,453,624, Nov. 9.

Gleason Works, assignee: *See*—
Peters, Joseph M.

Glidden Company, The: *See*—
Bain, Joseph P., and Best.

Globe American Corporation, assignee: *See*—
Sherman, Alvin G.

Goodrich, B. F., Company, The, assignee: *See*—
Dwight, Herbert V.

Goodwin, Alfred D., Manteca, Calif. Spray operating mechanism. 2,453,368, Nov. 9.

Gordon Armstrong Company, Inc., The, assignee: *See*—
Perkins, Julian L.

Gordon, Chester S., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacturing communication cables. 2,453,313, Nov. 9.

Gordon, Ernest, assignor of one-half to A. E. Roberts, Prestwich, England. Pipe joint. 2,453,428, Nov. 9.

Gorman, Daniel A., Sr., Glenside, Ithaca, N. Y. Surface treatment of metals. 2,453,429, Nov. 9.

Grabb, Alice H., assignee: *See*—
Fears, Margo S.

Grable, Donovan B., Long Beach, and J. M. Jackson, Santa Monica, Calif. Pipe tongs. 2,453,369, Nov. 9.

Graham, Harold M., Kenmore, assignor to Graham Manufacturing Co., Inc., New York, N. Y. Condenser. 2,453,662, Nov. 9.

Graham, Kenneth E.: *See*—
Graham, Von B. and K. E.

Graham Manufacturing Co., Inc., assignee: *See*—
Graham, Harold M.

Graham, Von B., Austin, Tex., and K. E., Bedford, Ind. Shearing machine. 2,453,216, Nov. 9.

Green & Berry, Inc., assignee: *See*—
Berry, Thomas H.

Green, Charles E., assignee: *See*—
Frederick, John T.

Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Morpholine salts of sulfonated azo dye components and their preparation. 2,453,430, Nov. 9.

Gregg, David, Caldwell, and H. Troeger, Ramsey, assignors to Bendix Aviation Corporation, Teterboro, N. J. Scavenging oil system for engines. 2,453,217, Nov. 9.

Grey, David S., Lexington, assignor to Polaroid Corporation, Cambridge, Mass. Image forming optical lens system athermalized for focal point. 2,453,218, Nov. 9.

Griesemer, Raymond H.: *See*—
Williamson, Hilding V., and Griesemer.

Grover, Lyndon V., Los Angeles, Calif. Easel for colored photographic printing. 2,453,431, Nov. 9.

Gruenberg, Ivor J., Pleasant Ridge, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Sprag. 2,453,506, Nov. 9.

Grum, Stanley J., Michigan City, Ind., assignor to Josam Manufacturing Company, Cleveland, Ohio. Grease interceptor. 2,453,219, Nov. 9.

Guarnaschelli, Stephen, assignor to Packless Metal Products Corporation, New Rochelle, N. Y. Pipe coupling. 2,453,127, Nov. 9.

Guignon, Emile S., Jr., assignee, et al.: *See*—
Haden, Raymond L.

Gustafson, Harry M., assignor to Simmons Slicing Knife Company, Chicago, Ill. Slicing knife. 2,453,220, Nov. 9.

Gutzwiller, E., & Co., assignee: *See*—
De Regnauld de Bellescize, Henri J. J. M.

Hackathorn, Robert A., Grosse Pointe Woods, assignor to Crawford Door Company, Detroit, Mich. Cable clamp. 2,453,432, Nov. 9.

Haden, Raymond L., assignor of one-half to E. S. Guignon, Jr., Kansas City, Mo., and one-half to A. R. Jones, Mission Hills, Kans. Interlocking building units. 2,453,221, Nov. 9.

Haefell, Julius C., assignor to The Austin Motor Company Limited, Birmingham, England. Taking off power from the drive transmission of motor vehicles. 2,453,685, Nov. 9.

Hager, Emil F., Queens Village, N. Y. Grinder machine. 2,453,573, Nov. 9.

Hall, Ronald H.: *See*—
Kaufmann, Charles, and Hall.

Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Power distribution system of the bus bar duct type. 2,453,314, Nov. 9.

Hammontree, Jack C., Rifle, Colo. Rotary head for sanding machines. 2,453,222, Nov. 9.

Hansen, Edward, Queens Village, and G. O. Davis, Kew Gardens, N. Y., assignors, by mesne assignments, to Standard Broadcasting Company. Heat dissipation for electronic tube apparatus. 2,453,433, Nov. 9.

Harbison, Joseph C., assignor of forty-three and one-third per cent to O. Roberts, Eldorado, Ill. Milling attachmen for lathes. 2,453,315, Nov. 9.

Harder, William D., Chicago, Ill. Tie for concrete wall forms. 2,453,434, Nov. 9.

Harper, Elmer, E., deceased, by E. P. Harper, executrix, Monrovia, Calif. Loose-leaf binder. 2,453,507, Nov. 9.

Harper, Esther P., executrix: *See*—
Harper, Elmer E.

Harris, Robert D., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Buffing machine. 2,453,316, Nov. 9.

Harrison, George T., Tilgham, Md. Preparing and packing menhaden for marketing. 2,453,625, Nov. 9.

Hartford National Bank and Trust Company, assignee, ... trustee: *See*—
Van Overbeek, Andrianus J. W. M.

Hartline, Ralph E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Radioactivity logging device. 2,453,318, Nov. 9.

Hasche, Rudolph L., and E. M. McMahon, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Copolymer of isopropenyl acetate and vinyl chloride. 2,453,317, Nov. 9.

Hartim Attari, assignee: *See*—
Kenyon, Joseph, and Silberstein.

Hautzenroeder, Richard W., Mansfield, Ohio. Transmission. 2,453,128, Nov. 9.

Havstad, Harald, Northport, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,453,435, Nov. 9.

Hedges, Don F., Crown Point, Ind., assignor to Carnegie-Illinois Steel Corporation. Transportation load and preparing the same. 2,453,626, Nov. 9.

Heintz Manufacturing Company, assignee: *See*—
Lambert, Francis M.

Helfenbein, Richard C.: *See*—
Zabel, William C. P., and Helfenbein.

Helmbold, August F. W., Augusta, Ga. Valve cooling means for internal-combustion engines. 2,453,508, Nov. 9.

Henderson, Albert, assignor, by mesne assignments, to The Cemenstone Corporation, Pittsburgh, Pa. Making concrete building units. 2,453,223, Nov. 9.

Henley's, W. T., Telegraph Works Company Limited, assignee: *See*—
Dunsheath, Percy, and Barry.

Hertz, Ben, New York, assignor to International Mutoscope Corporation, Long Island City, N. Y. Flight training apparatus. 2,453,436, Nov. 9.

Hill, Irving, assignor to The Lawrence Paper Company, Lawrence, Kans. Controlled ventilated container. 2,453,574, Nov. 9.

Hill, Walter E., Streetly, and T. D. G. Wintle, assignors to J. A. Crabtree & Co., Ltd., Walsall, England. Bus bar and connecting link for use in electrical wiring systems. 2,453,224, Nov. 9.

Hinson, James, assignor to The Hinson Manufacturing Company, Waterloo, Iowa. Wardrobe suitcase. 2,453,663, Nov. 9.

Hinson Manufacturing Company, The, assignee: *See*—
Hinson, James.

Hinton, Ray D., Oak Park, Ill. Office cabinet having shelf-forming closures. 2,453,129, Nov. 9.

Hittenberger, Herman G., Oakland, Calif. Surgical brace. 2,453,370, Nov. 9.

Hobson, Elmer B., Wichita, Kans. Power actuated rotary scraping tool for meat blocks. 2,453,371, Nov. 9.

Hoelzle, Kurt, and E. Kambil, assignors to Ciba Limited, Basel, Switzerland. Indigoid vat dyestuff. 2,453,225, Nov. 9.

Hoffman, Albert F., East Orange, N. J. Freezing high liquid content fruits and vegetables. 2,453,130, Nov. 9.

Hoffman, Howard T., Cleveland, Ohio, assignor to Bailey Meter Company. Telemetric system. 2,453,686, Nov. 9.

Hofmann, Klaus, Pittsburgh, Pa., assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. 2-substituted-3,4-diamino-furan urethans and derivatives thereof. 2,453,627, Nov. 9.

Hohl, John, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Container and closure therefor. 2,453,664, Nov. 9.

Hokanson, Otto A., Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Coin selecting device. 2,453,437, Nov. 9.

Holbro, Theodor: *See*—
Kern, Walter, Sutter, Moergell, and Holbro.

Hollyday, Charles E., Jr., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Tube holding device. 2,453,319, Nov. 9.

Hook, Orille F., Pontiac, Mich. Boat hoist. 2,453,628, Nov. 9.

Horth, William S., Cleveland Heights, Ohio. Electric welding apparatus. 2,453,438, Nov. 9.

Houdry Process Corporation, assignee: *See*—
Mills, George A.

Houghton, E. F., & Co., assignee: *See*—
Figdor, Hans G.

House, William C., assignor to Lyon-Raymond Corporation, Greene, N. Y. Tongue actuated brake for hand trucks. 2,453,575, Nov. 9.

Howard, Donald J.: *See*—
Wardle, Meredith C., and Howard.

Hubbard, Albert B., Caldwell, N. J., assignor to General Electric Company. Refrigerating system. 2,453,131, Nov. 9.

Hubbard, Albert B., Caldwell, N. J., assignor to General Electric Company. Refrigeration control system. 2,453,439, Nov. 9.

Huber, Gustav, assignor to Kangol Wear Limited, Cleator, England. Patterning mechanism of flat single bed knitting machines. 2,453,629, Nov. 9.

Huber, J. M., Incorporated: *See*—
Voet, Andries.

Huebner, Ernest W., assignor to Weiger Weed & Company, Detroit, Mich. Welding electrode holder. 2,453,320, Nov. 9.

Huge, Ernest C.: *See*—
Fletcher, James, and Huge.

Hugin, Adolph C., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,453,509, Nov. 9.

Huribut, Gordon K.: *See*—
Ward, Vincent S., and Huribut.

Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Built-in flash synchronizer for shutter blade and cover blind type shutters. 2,453,321, Nov. 9.

Hyde, John B., Great Neck, N. Y. Ground support anchor. 2,453,226, Nov. 9.

Hyster Company, assignee: *See*—
Dimick, Henry N.

Inland Wire Products Company, assignee: *See*—
Pagliarul, Joseph N.

International Business Machines Corporation, assignee: *See*—
Dickinson, Arthur H.
Kavanagh, Joseph A.
Luhn, Hans P.
Malros, Gustav V. A.
Tedder, Joel H.
Thieme, Ott.
Von Reppert, Richard.

International Mutoscope Corporation, assignee: *See*—
Hertz, Ben.

Jackson, Corwill, assignor to Jackson Vibrators, Inc., Ludington, Mich. Screeding and compacting machine for concrete slabs and the like. 2,453,510, Nov. 9.

Jackson, Harold F., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Furnace tray basket. 2,453,511, Nov. 9.

Jackson, John M.: *See*—
Grable, Donovan B., and Jackson.

Jackson Vibrators, Inc., assignee: *See*—
Jackson, Corwill.

Jacob, Fraser B., Lynn, Mass., assignor to The Electroloy Company, Incorporated, Bridgeport, Conn. Spot weld tester. 2,453,576, Nov. 9.

Jacobi, Emil R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Vehicle wheel. 2,453,512, Nov. 9.

Jaeckle, Albert E., Laural Park, N. Y. Railway freight car construction. 2,453,322, Nov. 9.

James, Thomas H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic development by ferrous alkaline solutions. 2,453,323, Nov. 9.

Janes, Irene M., North Arlington, assignor of one-half to G. Martin, East Orange, N. J. Button staple anchor and shield. 2,453,227, Nov. 9.

Janin, Mary K., Port Credit, Ontario, Canada. Lady's undergarment. 2,453,372, Nov. 9.

Jauch, Martin, Irvington, N. J. Carrier for knitting machines. 2,453,513, Nov. 9.

Jefferson Standard Broadcasting Company, assignee: *See*—
Hansen, Edward, and Davis.

Jerome, Ivan, Mineola, N. Y. Flying fuselage. 2,453,514, Nov. 9.

Johnson, Charles E., Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Relasting machine. 2,453,228, Nov. 9.

Johnson, Ernest F.: *See*—
Newman, Henry J., and Johnson.

Jones, Albert R., assignee: *See*—
Haden, Raymond L.

Jones, Charles C., Miami, Fla. Railroad tie. 2,453,132, Nov. 9.

Jones, Harry S., East Orange, and W. B. M. Clark, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Motion seal. 2,453,324, Nov. 9.

Jones, John P., Omaha, Nebr., assignor to Dairy Specialties, Inc. Paper bottle tap. 2,453,133, Nov. 9.

Josam Manufacturing Company, assignee: *See*—
Grum, Stanley J.

Joslyn Mfg. and Supply Co., assignee: *See*—
Yonkers, Edward H.

Joslyn Manufacturing and Supply Corporation, assignee: *See*—
Yonkers, Edward H.

Juran, Nathan H., Manhattan Beach, Calif. Projection instrument for rectifying oblique phootgraphs. 2,453,134, Nov. 9.

Kagel, John T., Sr., Jamaica, N. Y. Unhairing machine. 2,453,229, Nov. 9.

Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Restraining mechanism for free-piston units. 2,453,515, Nov. 9.

Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Engine control for free-piston units. 2,453,516, Nov. 9.

Kambil, Eduard: *See*—
Hoelzle, Kurt, and Kambil.

Kangol Wear Limited, assignee: *See*—
Huber, Gustav.

Karstens, Walter F., Arlington Heights, Ill. Nonskid tire chain. 2,453,325, Nov. 9.

Karwelt, John W., Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Chip breaking drill device. 2,453,135, Nov. 9.

Karwelt, John W., Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Chip breaking drill chuck. 2,453,136, Nov. 9.

Karwelt, John W., River Grove, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Drilling metal and the like. 2,453,137, Nov. 9.

Katz, Heyman, Asbury Park, N. J. Tow bar clamp. 2,453,230, Nov. 9.

Kaufman, Charles, and R. H. Hall, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Carbon black. 2,453,440, Nov. 9.

Kavanagh, Joseph A., assignor to International Business Machines Corporation, New York, N. Y. Electrical switch. 2,453,231, Nov. 9.

Kellogg, M. W., Company, The, assignee: *See*—
Laying, Edwin T., and Suman.

Kelsey-Hayes Wheel Company, assignee: *See*—
Jacobi, Emil R.

Kemeny, Paulo, Sao Paulo, Brazil. Variable-speed transmission mechanism. 2,453,517, Nov. 9.

Kenyon, Joseph, Barnes, London, and V. Silberstein, Kensington, London, assignors of one-third to H. Attari, London, England. Production of gelatine or glue from hides and other collagen or ossein-containing materials. 2,453,630, Nov. 9.

Kern, Walter, Sissach, P. Sutter, Basel, E. Moergeli, Neuewelt, near Basel, and T. Holbro, Basel, Switzerland, assignors to the Swiss firm of Ciba Limited. Anthrimide carbazole vat dyestuffs. 2,453,232, Nov. 9.

Kharasch, Morris S., Chicago, Ill., assignor to The United States of America as represented by the Secretary of War. Deleading gasoline. 2,453,138, Nov. 9.

Kilander, Acton K.: *See*—
Edsall, Lou B., Kilander, Kormendi, and Boeckeler.

Killian, Donald B.: *See*—
Callaway, Jack B., and Killian.

King, James R., Florence, S. C., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Holder for artificial teeth. 2,453,518, Nov. 9.

Kishner, Edward: *See*—
De Barbieri, Joseph L., and Kishner.

Kittrell, Ottis K., Lumberton, N. C. Oil burning tobacco curing stove. 2,453,233, Nov. 9.

Kleinkort, Henry P., assignor to A. K. Bremer, New Washington, Ohio. Tow release mechanism. 2,453,139, Nov. 9.

Koch, Theodoor, Oosterbeek, Netherlands, assignor, by mesne assignments, to American Enka Corporation, Enka, N. C. Preparation of amino-carboxylic-acids from lactams. 2,453,234, Nov. 9.

Kollsman, Paul, New York, N. Y. Compressor. 2,453,373, Nov. 9.

Kollsman, Paul, New York, N. Y. Compressor. 2,453,374, Nov. 9.

Kollsman, Paul, New York, N. Y. Compressor. 2,453,375, Nov. 9.

Kommer, William V., Catawissa, Mo. Combination razor-strop holder and heater. 2,453,519, Nov. 9.

Koppers Company, Incorporated, assignee: *See*—
Shaffer, Chester E.

Kormendi, Laszlo: *See*—
Edsall, Lou B., Kilander, Kormendi, and Boeckeler.

Kowalsky, Enez P., executrix: *See*—
Pagliarul, Joseph N.

Krewson, Charles F.: *See*—
Couch, James F., and Krewson.

Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Nonfree-tripping overload circuit breaker. 2,453,235, Nov. 9.

Krispis, Constantin, Athens, Greece. Variable-speed transmission. 2,453,577, Nov. 9.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Compound optical element cemented with a polyester of fumaric acid. 2,453,665, Nov. 9.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Compound optical element cemented with a polyester of maleic acid. 2,453,666, Nov. 9.

Kubaugh, Benjamin F., assignor to Henry Vogt Machine Co. Inc., Louisville, Ky. Adjustable cutter for tube-ice machines. 2,453,140, Nov. 9.

Kuhn, Karl: *See*—
Crane, Edward V., and Kuhn.

Lacey, Harold T., Plainfield, and R. E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of chemiluminescent composition of matter. 2,453,578, Nov. 9.

La Fair, Samuel, Philadelphia, Pa. Ornamental fabric and articles made therefrom. 2,453,441, Nov. 9.

Lagasse, Francis H., San Francisco, Calif. Means for measuring the velocity and volume of fluids. 2,453,376, Nov. 9.

Lambert, Francis M., Narberth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Apparatus for cooling bottled beverages. 2,453,667, Nov. 9.

Lambert, Sanders R., Kansas City, Mo. Portable building structure. 2,453,326, Nov. 9.

Landers, Charles H., assignee: *See*—
Clay, Paul H.

Lane-Wells Company, assignee: *See*—
Swings, Polydore F.

Lange, Werner, Forest Hills, N. Y. Holding fixture for coating optical elements. 2,453,141, Nov. 9.

Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic titanium compound and making same. 2,453,520, Nov. 9.

La Plant-Choate Mfg. Co. Inc., assignee: *See*—
Rockwell, Harvey W.

Lawrence Paper Company, The: *See*—
Hill, Irving.

Layng, Edwin T., Jersey City, N. J., and F. T. Suman, Jr., Nyack, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Hydrocarbon conversion. 2,453,327, Nov. 9.

Lazarus, Alexander, Rosedale, N. Y. Theft-preventing locking device for automobiles and the like. 2,453,236, Nov. 9.

Lee Foundation for Nutritional Research: *See*—
Lee, Royal.

Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,453,328, Nov. 9.

Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,453,329, Nov. 9.

Lee, Royal, assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis. Sugar-bearing product and making. 2,453,142, Nov. 9.

Lehr, Norman F.: *See*—
Brown, Morris E., and Lehr.

Lejeune, Léon S. M., Paris, France; vested in the Attorney General of the United States. Tennis ball. 2,453,143, Nov. 9.

Leonard, Ward Electric Company, assignee: *See*—
Steinitz, Stephen.

Leser, Jack M., and N. L. Severeign, Milwaukee, Wis. Combination baby carriage and shopping cart. 2,453,631, Nov. 9.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Multiple-disk friction coupler. 2,453,237, Nov. 9.

Lewis, David G., Sunnyvale, Calif. Folding camera support. 2,453,442, Nov. 9.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Morgan, Willard L.

Lichtenwalner, Hart K.: *See*—
Lovell, Wheeler G., Mulligan, and Lichtenwalner.

Lipe-Rollway Corporation, assignee: *See*—
Root, Robert S.

Locke, Edwin A., Jr., Quincy, assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Blade container. 2,453,238, Nov. 9.

Lofstrand, Anders R., Jr., Silver Spring, Md. Crutch. 2,453,632, Nov. 9.

Logan, Evelyn, Washington, D. C. Self-serving table. 2,453,443, Nov. 9.

Logan, Victor R., Brownsville, Ky. Extracting and purifying bitumen. 2,453,633, Nov. 9.

Loonam, Alfred C., New York, N. Y., assignor to Mathieson Chemical Corporation. Magnesium base lithium alloys. 2,453,444, Nov. 9.

Lovell, Wheeler G., M. J. Mulligan, and H. K. Lichtenwalner, assignor to General Motors Corporation, Detroit, Mich. Synthesis of organic compounds. 2,453,144, Nov. 9.

Lozivit, René, Paris, assignor to Societe d'Etudes de Carburation pour l'Automobile et l'Aviation "S. E. C. A. A.," Levallois-Perret, France. Throttle control for the primary and secondary charges of engines. 2,453,377, Nov. 9.

Lubbock, Isaac, Great St. Helens, London, assignor to The Asiatic Petroleum Company, Limited, London, England. Liquid-cooled nozzle arrangement for combustion chambers of jet propulsion apparatus. 2,453,378, Nov. 9.

Lubcke, Martin C., Emmett, Idaho. Antiskid vehicle frame. 2,453,445, Nov. 9.

Lucas, Victor E.: *See*—
Emerson, William S., and Lucas.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Record controlled data storing device. 2,453,239, Nov. 9.

Lummus Company, The, assignee: *See*—
Reed, Carl S.
Reed, Carl S., Schutte, and Bowles.

Lund, Jack, assignor to Dorman & Smith Limited, Salford, England. Electric plug and socket connection. 2,453,579, Nov. 9.

Lusk, Albert F., Pontiac, Mich. V-belt drive pulley. 2,453,580, Nov. 9.

Lyon-Raymond Corporation: *See*—
House, William C.

Lytle, Lawrence D.: *See*—
Cullinan, John F., and Lytle.

MacDowell, Louis G., Lakeland, and E. L. Moore and C. D. Atkins, Winter Haven, Fla., assignors to the United States of America as represented by the Secretary of Agriculture. Preparing full-flavored fruit juice concentrates. 2,453,109, Nov. 9.

Mallory, P. R., & Co., Inc., assignee: *See*—
Aust, Robert J.
Blumenthal, Sol.

Malmros, Gustav V. A., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Acoustical wave filter for pneumatic hand tools. 2,453,240, Nov. 9.

Mann, Julius W., and G. F. Russell, Tacoma, Wash. Composite radio frequency inductance. 2,453,241, Nov. 9.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Moore, George E.

Marisic, Milton M., and T. F. Rutledge, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Electrolytic method for the production of porous, catalytic metal. 2,453,668, Nov. 9.

Marks, Alvin M., New York, N. Y. Multiply angle selective polarizer. 2,453,379, Nov. 9.

Marley Company, Inc., The, assignee: *See*—
Mart, Leon T.

Marple, Kenneth E., Oakland, assignor to Shell Development Company, San Francisco, Calif. Glycidyl ethers. 2,453,634, Nov. 9.

Marquis, John F., Haddonfield, N. J., assignor to Radio Corporation of America. Superimposed duplex loudspeaker. 2,453,521, Nov. 9.

Marsam Specialties, Inc., assignee: *See*—
Zirin, Samuel.

Marsh, John L., Des Moines, Iowa, assignor to J. I. Case Company, Racine, Wis. Spreader apron drive. 2,453,242, Nov. 9.

Marshall, Lewis C., East Walpole, Mass. Making split piston rings. 2,453,330, Nov. 9.

Mart, Leon T., Mission Township, Johnson County, assignor to The Marley Company, Inc., Kansas City, Kans. Producing wood pipe. 2,453,522, Nov. 9.

Martin, Frank B., Jr., Pensacola, Fla. Emergency hub adapter. 2,453,635, Nov. 9.

Martin, George, assignee: *See*—
Janes, Irene M.

Martin, Glenn L., Company, assignee: *See*—
Hollyday, Charles E., Jr.
Pajak, Theodore P.
Reilly, Mason J.

Martin, William H., Lakewood, Ohio, assignor, by mesne assignments, to Republic Industries, Inc., New York, N. Y. Connection for enameled tanks. 2,453,331, Nov. 9.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulating and harmonic producer apparatus. 2,453,243, Nov. 9.

Mathieson Chemical Corporation, assignee: *See*—
Loonam, Alfred C.
Switzer, John L., and Michalek.

Matson, Ivan M., Los Angeles, Calif. Electrode grip and holder. 2,453,244, Nov. 9.

Matthews, Robert E.: *See*—
Youngson, Donald A., and Matthews.

Matweeff, Paul, Uncasville, Conn. Whip roll stop motion. 2,453,145, Nov. 9.

McBee, Earl T., Lafayette, and P. A. Wiseman, assignors to Purdue Research Foundation, West Lafayette, Ind. Perfluoroadipic acid. 2,453,146, Nov. 9.

McBee, Earl T., Lafayette, and P. A. Wiseman, Muncie, assignors to Purdue Research Foundation, Lafayette, Ind. Esters of perfluoroadipic acid. 2,453,147, Nov. 9.

McCall, Fred H., Neptune, and P. Devreotes, Eatontown, N. J. Shield box and tuning mechanism for electron tubes. 2,453,148, Nov. 9.

McCoy, George E.: *See*—
Battley, Edwin R., and McCoy.

McCullough, Delbert, Fairfield, Ill., assignor to Chefford Master Manufacturing Co., Inc. Bicycle generator regulated by rotor torque variations. 2,453,523, Nov. 9.

McCutchen, Alan J., Washington, D. C. Buoyant attachment for standard tanks. 2,453,149, Nov. 9.

McDonald, Eugene F., Jr., Chicago, Ill. Device for releasing snagged fishing lures or baits. 2,453,245, Nov. 9.

McGeorge, Walter, Kingston Hill, and F. H. Milner, Twickenham, England. Preparation of carbonate salts of calcium and magnesium. 2,453,446, Nov. 9.

McKay, Maurice P., Troutdale, Oreg. Low-tension ignition system for miniature two-cycle gas engines. 2,453,636, Nov. 9.

McKeown, Charles G., Dudley, assignor to Controlled Heat & Air Limited, Smethwick, England. Filter for gaseous mediums. 2,453,447, Nov. 9.

McMahan, Kenton D., Scotia, and N. P. Bailey, Troy, N. Y., assignors to General Electric Company. Centrifugal compressor. 2,453,524, Nov. 9.

McMahon, Edward M.: *See*—
Hasche, Rudolph L., and McMahon.

McNeil Bros. Inc., assignee: *See*—
Aurillo, Joseph M., and Schecter.

McNeill, Albert G., assignor to Bachmann Bros., Inc., Philadelphia, Pa. Medicine administering spoon. 2,453,525, Nov. 9.

McTurk, Morton H., Philadelphia, Pa. Heat exchanger. 2,453,448, Nov. 9.

Mehltretter, Charles L., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Polyesters of dimethylene d-gluconic acid. 2,453,150, Nov. 9.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Timing of fuel injection systems. 2,453,526, Nov. 9.

Melcher, Lee W., Oconomowoc, assignor to Waukesha Motor Company, Waukesha, Wis. Dynamoelectric machine with closed air circulating system. 2,453,449, Nov. 9.

Meneses, Hector A., assignor to Able Scientific Glass Apparatus Co., Chicago, Ill. Glass tubing joint. 2,453,669, Nov. 9.

Mero, Ralph M., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Lard spray controlling means. 2,453,527, Nov. 9.

Merryweather, Gerald, Cuyahoga Falls, Ohio. Storm window and screen combination. 2,453,528, Nov. 9.

Merwin, Walter J.: *See*—
Teter, John W., and Merwin.

Metals & Controls Corporation, assignee: *See*—
Smith, Ezra S.

Michalek, John C.: *See*—
Switzer, John L., and Michalek.

Midvale Company, The, assignee: *See*—
Schaefer, Adolph O.

Miller, George A., Jr., Weirsdale, Fla., assignor to the United States of America as represented by the Secretary of War. Projectile. 2,453,151, Nov. 9.

Miller, Jesse E.: *See*—
Cathey, Clarence D., and Miller.

Millett, Merrill A.: *See*—
Stamm, Alfred J., Seborg, and Millett.

Millhiser, Frederick R., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating yarn. 2,453,332, Nov. 9.

Mills, George A., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalytic conversion of hydrocarbons. 2,453,152, Nov. 9.

Milner, Francis H.: *See*—
McGeorge, Walter, and Milner.

Miner, W. H., Inc., assignee: *See*—
Olander, Roland J.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Newton, Alwin B.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Pearson, John W.

Minnick, Leonard J., Cheltenham, assignor to G. and W. H. Corson, Inc., Plymouth Meeting, Pa. Hydrated lime product and making the same. 2,453,637, Nov. 9.

Mittlemann, Eugene, Chicago, Ill. High-frequency heating. 2,453,529, Nov. 9.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Control for internal-combustion engines. 2,453,651, Nov. 9.

Moergeli, Eduard: *See*—
Kern, Walter, Sutter, Moergeli, and Holbro.

Mokanes, Karl E., Whitewater, assignor to Dairy Equipment Company, Madison, Wis. Milk can truck. 2,453,246, Nov. 9.

Molloy, James F., Oakland, Calif. Pressure controlled self-closing valve. 2,453,450, Nov. 9.

Monsanto Chemical Company, assignee: *See*—
Debacher, Max O.
Dunlop, Richard D.
Emerson, William S., and Lucas.
Robshaw, Walter A.

Moore, Edwin L.: *See*—
MacDowell, Louis G., Moore, and Atkins.

Moore, George E., Muskegon Heights, Mich., assignor to Manning, Maxwell & Moore, Inc. Clutch and brake device. 2,453,581, Nov. 9.

Moore, Homer L., Chamblee, Ga. Food preserving apparatus. 2,453,530, Nov. 9.

Moore, Leonard P., New York, N. Y., and W. P. Ericks, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Reaction of biguanide and ethylene sulfide. 2,453,333, Nov. 9.

Morgan, Frank H., Glendale, Calif. Meat tenderizer. 2,453,334, Nov. 9.

Morgan, Willard L., Columbus, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for making pattern mirrors and other coatings. 2,453,582, Nov. 9.

Morris, Reginald B., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Color blindness chart for detecting anomalous vision, deuteranopes, protanopes, tritanopes and monochromats. 2,453,335, Nov. 9.

Morton Salt Company, assignee: *See*—
Phillips, Edwin R.

Morway, Arnold J., Clark Township, Union County, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricating grease. 2,453,153, Nov. 9.

Moseley, Francis L., assignor to Collins Radio Company, Cedar Rapids, Iowa. Voltage regulator system. 2,453,451, Nov. 9.

Moss, Jesse R., assignor to Plasticbilt Corporation, Greenville, S. C. Reinforced plastic bobbin construction. 2,453,247, Nov. 9.

Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Locking device. 2,453,154, Nov. 9.

Much, Edward J., Wichita, Kans. Combination lawn hose and water nozzle support. 2,453,248, Nov. 9.

Muller Machinery Company, Inc., assignee: *See*—
Muller, Walter.

Muller, Walter, Dunellen, assignor to Muller Machinery Company, Inc., Metuchen, N. J. Tilting bowl concrete mixer. 2,453,583, Nov. 9.

Mulligan, Maurice J.: *See*—
Lovell, Wheeler G., and Mulligan, and Lichtenwalner.

Murphy, Daniel, New Castle, Pa. Seal for centrifugal pumps. 2,453,249, Nov. 9.

Myers, Harold C., assignor to Butler Manufacturing Company, Kansas City, Mo. Internal mandrel. 2,453,531, Nov. 9.

National-Standard Company, assignee: *See*—
Frazier, Larry C.

National Steel Corporation, assignee: *See*—
Wilson, Abram B.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Ensinger, Willis B.
Tobias, Cornelius A.

Nehrke, Charles, New York, N. Y. Lipstick container. 2,453,250, Nov. 9.

Nelson, Homer B., and F. J. Walters, U. S. Navy. Floating dock and wharf. 2,453,155, Nov. 9.

Neracher, Carl A., and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Servomotor. 2,453,156, Nov. 9.

Newman, Henry J., Greenford, and E. F. Johnson, Southend-on-Sea, England. Vehicular amusement apparatus. 2,453,380, Nov. 9.

Newman, William E., Moorestown, N. J., assignor to Radio Corporation of America. Motor-operated push-button tuner. 2,453,251, Nov. 9.

Newman, William E., Chicago, Ill., assignor to Radio Corporation of America. Tuning control mechanism for radio receivers. 2,453,252, Nov. 9.

Newton, Alwin B., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigerating control apparatus. 2,453,584, Nov. 9.

New York Air Brake Company, The, assignee: *See*—
Whittingham, David J.

Nielsen, Kenneth, Westby, Wis. Dip stick cleaner. 2,453,452, Nov. 9.

Nietfeld, Albert B., Fort Laramie, Wyo. Circular saw reconditioning rig. 2,453,638, Nov. 9.

Niles-Bement-Pond Company, assignee: *See*—
Lee, Leighton, II.

Norton Company, assignee: *See*—
Silven, Herbert A.

Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Electrostatic microwave energy measuring apparatus. 2,453,532, Nov. 9.

Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Electrostatic microwave energy measuring apparatus. 2,453,533, Nov. 9.

Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Frequency modulation system. 2,453,453, Nov. 9.

Norwine, Andrew C., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coder for code modulation transmission. 2,453,454, Nov. 9.

Nyhagen, Barney R., New York, N. Y. Cue tip clamp. 2,453,157, Nov. 9.

O'Brien, James E., Cleveland, Ohio. Coaling chute. 2,453,253, Nov. 9.

Odin, Frank W., Chicago, Ill., assignor to Syndicate Glass, Inc., Indianapolis, Ind. Rockable shelf bracket. 2,453,254, Nov. 9.

Ohio Steel Foundry Company, The, assignee: *See*—
Jackson, Harold F.

Oilgear Company, The, assignee: *See*—
Douglas, James K.

Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,453,255, Nov. 9.

Olcott, Harold S., and Heinz L. Fraenkel-Conrat, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolation of gramicidin. 2,453,534, Nov. 9.

Omelina, Michael P., Cudahy, Wis. Ash tray. 2,453,256, Nov. 9.

Orser, William D., assignor to Eastman Kodak Company, Rochester, N. Y. Periscope lens system. 2,453,336, Nov. 9.

Orton, Kenneth L., St. Paul, Minn. Fish stringer retainer. 2,453,381, Nov. 9.

Osborn Manufacturing Company, The, assignee: *See*—
Peterson, Ruben O.

Ott, Harvey N., Buffalo, N. Y. Rotatable microscope eyepiece mounting and guard means therefor. 2,453,257, Nov. 9.

Owens-Illinois Glass Company, assignee: *See*—
Hohl, John.

Packless Metal Products Corporation, assignee: *See*—
Guarnaschelli, Stephen.

Pagliarul, Joseph N., Milwaukee, Wis.; E. P. Kowalsky (Enez Kowalsky) executrix of J. N. Pagliarul, deceased, assignor to Inland Wire Products Company, Chicago, Ill. Wire stitching feed. 2,453,337, Nov. 9.

Pajak, Theodore P., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Apparatus for inspecting sheet material. 2,453,338, Nov. 9.

Pallas, Charles W., Elyria, Ohio. Mounting attachment for electrical outlet boxes. 2,453,535, Nov. 9.

Payne, John W., T. P. Simpson, and J. I. Butzner, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Making a substantially alkali-free hydrogel catalyst. 2,453,585, Nov. 9.

Pearson, John W., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive sheet. 2,453,258, Nov. 9.

Peck, William H., Royal Oak, Mich. Chisel retainer for pneumatic hammers. 2,453,536, Nov. 9.

Pennsylvania Furnace and Iron Company, assignee: *See*—
De Frees, Joseph H.

Perkins, Donald G., Chestertown, Md., assignors to E. R. Squibb & Sons, New York, N. Y. Sulfa preparation for animal mastitis. 2,453,259, Nov. 9.

Perkins, Julian L., West Springfield, Mass., assignor, by mesne assignments, to The Gordon Armstrong Company, Inc., Cleveland, Ohio. Drive mechanism. 2,453,586, Nov. 9.

Persak, Carl, Wallington, N. J. Vaporizer. 2,453,455, Nov. 9.

Persson, Tage G., Bloomfield, N. J. Hooks. 2,453,670, Nov. 9.

Pestrecov, Konstantin, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Three element objective lens. 2,453,260, Nov. 9.

Peters, Burnis C., Giddings, Tex. Topography plotting device. 2,453,261, Nov. 9.

Peters, Joseph M., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Chuck. 2,453,262, Nov. 9.

Peterson, Ove, Gentofte near Copenhagen, Denmark. Internal-combustion engine with double-acting crosshead scavenge pump. 2,453,639, Nov. 9.

Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Sheet brushing apparatus. 2,453,339, Nov. 9.

Petri, Edward W., and F. H. Seeley, Fort Plain, N. Y. Lawn mower. 2,453,587, Nov. 9.

Petrolite Corporation, Ltd., assignee: *See*—
Dom, John M.

Philco Corporation, assignee: *See*—
Rundell, Theodore W.
Tiley, John W.
Tiley, John W., and Sunstein.

Phillips, Edwin R., Evanston, assignor to Morton Salt Company, Chicago, Ill. Tube forming machine. 2,453,537, Nov. 9.

Phillips Petroleum Company, assignee: *See*—
Piety, Raymond G.

Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—
Ball, Jack.

Pietsch, Herman A., Greentree, assignor to Dravo Corporation, Pittsburgh, Pa. Heating and ventilating apparatus. 2,453,382, Nov. 9.

Piety, Raymond G., Tuckahoe, N. Y., assignor to Phillips Petroleum Company. Instrument for measuring water flow in wells. 2,453,456, Nov. 9.

Pigg, Archie N., Ferndale, Mich. Valve actuation for oscillating cylinder expansible chamber motors. 2,453,640, Nov. 9.

Plasticbilt Corporation, assignee: *See*—
Moss, Jesse R.

Plastmeti Corporation, assignee: *See*—
Zabel, William C. P., and Helfenbein.

Platt, John D.: *See*—
Platt, Leland H., L. H., Jr., and J. D.

Platt, Leland H., L. H., Jr., and J. D., Los Angeles, Calif. Produce washing machine. 2,453,457, Nov. 9.

Platt, Leland H., Jr.: *See*—
Platt, Leland H., L. H., Jr., and J. D.

Poe, John H., assignee: *See*—
Sloan, John I.

Polaroid Corporation: *See*—
Bachelder, Albert J., and Wolff.
Binda, Frederick J.
Buzzell, Harold O.
Grey, David S.

Polly, Orville L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Purification of organic acids. 2,453,588, Nov. 9.

Porreca, Donato J., Philadelphia, Pa. Wringer and wash tub unit. 2,453,340, Nov. 9.

Potter, James A., Long Valley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,453,263, Nov. 9.

Poux, Noel J., Meadville, Pa. Hypodermic syringe and ampoule therefor. 2,453,589, Nov. 9.

Poux, Noel J., Meadville, Pa. Hypodermic syringe. 2,453,590, Nov. 9.

Poux, Noel J., Meadville, Pa. Hypodermic syringe. 2,453,591, Nov. 9.

Price, Osborne I., Frederick, Md. Electromagnet. 2,453,158, Nov. 9.

Purdue Research Foundation, assignee: *See*—
McBee, Earl T., and Wiseman.

Putney, David H., assignor to Stratford Development Corporation, Kansas City, Mo. Contacting apparatus for catalytic processes. 2,453,592, Nov. 9.

Putney, David H., assignor to Stratford Development Corporation, Kansas City, Mo. Apparatus for separating entrained solids from gases. 2,453,593, Nov. 9.

Raab, Edward L.: *See*—
Clark, Frank M., and Raab.

Radio Corporation of America, assignee: *See*—
Blain, Albert.
Davidson, Norman R.
De Vore, Henry B.
Dimmick, Glenn L.
Greig, Harold G.
Marquis, John F.
Newman, William E.
Norton, Lowell E.
Young, Charles J.

Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. System of generator regulation. 2,453,341, Nov. 9.

Rast, Frederick Q., Chicago, Ill., assignor to Commercial Controls Corporation. Totalizing mechanism. 2,453,342, Nov. 9.

Rathman, Gilbert, Union, N. J. Flexible coupling. 2,453,383, Nov. 9.

Rauch, William T., Voorheesville, N. Y., assignor to General Electric Company. Constant pressure pump. 2,453,538, Nov. 9.

Raylite Electric Corp., assignee: *See*—
Abramson, Abraham.

Reardon, Robert T., Fort Wayne, Ind., assignor to General Electric Company, Dynamoelectric machine core surface treatment. 2,453,539, Nov. 9.

Reece Folding Machine Company, assignee: *See*—
Gilbert, Alfred G., and Rogers, Jr.

Reed, Carl S., assignor to The Lummus Company, New York, N. Y. Producing colloidal fuel. 2,453,641, Nov. 9.

Reed, Carl S., New York, A. H. Schutte, Hastings-on-Hudson, and V. O. Bowles, Dobbs Ferry, assignors to The Lummus Company, New York, N. Y. Catalyst transfer system. 2,453,458, Nov. 9.

Rehberg, Chessie E., Glenside, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Cellulose ester or ether plasticized with ethyl alpha-carbethoxyethoxyethyl carbonate. 2,453,264, Nov. 9.

Reid, James S., Cleveland Heights, Ohio, assignor to The Standard Products Company, Detroit, Mich. Cartridge belt. 2,453,540, Nov. 9.

Reihman, Earl F.: *See*—
Bruntil, Irwin M., and Reihman.

Reilly, Mason J., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Retainer strip. 2,453,343, Nov. 9.

Reiter, David, Woodside, Long Island, N. Y. Matrix retainer. 2,453,541, Nov. 9.

Renken, Harm L., assignor of one-fourth to K. Stringfield, Pleasant Plains, Ill. Automatic windrower for balers. 2,453,384, Nov. 9.

Republic Aviation Corporation, assignee: *See*—
Westberg, Arthur H., and Aldrich.

Republic Industries, Inc., assignee: *See*—
Martin, William H.

Republic Steel Corporation: *See*—
Whitehouse, Irving P.

Reynolds, Harry R., assignor to The Fafnir Bearing Company, New Britain, Conn. Journal box. 2,453,594, Nov. 9.

Richter, Lewis E., Shumway, Ill. Container. 2,453,159, Nov. 9.

Ringer, Abraham, Eatontown, N. J., assignor to the United States of America as represented by the Secretary of War. Field intensity meter. 2,453,160, Nov. 9.

Roberts, Arthur E., assignee: *See*—
Gordon, Ernest.

Roberts, Obe, assignee: *See*—
Harbison, Joseph C.

Roberts, William B., Junction City, Kans. Expander for loose-leaf note books. 2,453,459, Nov. 9.

Robinson, William K., Ventnor, N. J. Educational device. 2,453,265, Nov. 9.

Robshaw, Walter A., Wrexham, Wales, assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of tetraalkyl thiuram monosulfide. 2,453,460, Nov. 9.

Rockwell, Harvey W., assignor to La Plant-Choate Mfg. Co. Inc., Cedar Rapids, Iowa. Piston pump. 2,453,266, Nov. 9.

Rogers, William H., Jr.: *See*—
Gilbert, Alfred G., and Rogers.

Rohlm Manufacturing Company, Inc., assignee: *See*—
Sarver, Emmett F.

Rohm & Haas Company, assignee: *See*—
Rowland, Stanley P.

Roll-On Grill, Inc., assignee: *See*—
Rone, Charles C.

Rone, Charles C., Lakeland, Fla., assignor to Roll-On Grill, Inc. Hamburger grill. 2,453,385, Nov. 9.

Root, John J., New York, N. Y. Remote control system. 2,453,386, Nov. 9.

Root, Robert S., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch operating mechanism. 2,453,344, Nov. 9.

Rosenthal, Adolph H., assignor to Scophony Corporation of America, New York, N. Y. Apparatus for dispensing liquid fuel. 2,453,595, Nov. 9.

Rossmann, Peter F., Morristown, N. J. Electromagnetic switching device. 2,453,267, Nov. 9.

Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Liner plate for jaw crushers. 2,453,596, Nov. 9.

Row, Stuart B., Roanoke, Va., and E. L. Woolley, Morton, Pa., assignors to American Viscose Corporation, Wilmington, Del. Filtering apparatus. 2,453,345, Nov. 9.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange resins made by condensing a sulfophthalein and formaldehyde. 2,453,687, Nov. 9.

Roy, Emil, Webster, Mass. Automatic chuck. 2,453,642, Nov. 9.

Royal, Leslie L., assignor to Belmont Radio Corporation, Chicago, Ill. Tuning control apparatus. 2,453,268, Nov. 9.

Rugh, Harry O., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Printing telegraph system. 2,453,269, Nov. 9.

Rundell, Theodore W., Abington, assignor to Philco Corporation, Philadelphia, Pa. Article supporting closure for cabinets. 2,453,387, Nov. 9.

Russell, George F.: *See*—
Mann, Julius W., and Russell.

Russell, Harold D., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilizing of processed photographic emulsions to high temperatures and humidities. 2,453,346, Nov. 9.

Russell, Harold D., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilization of photographic prints with thiophenols. 2,453,347, Nov. 9.

Russell, Ray A., Santa Ana, Calif. Umbrella rib clip and pocket. 2,453,270, Nov. 9.

Rutledge, Thomas F.: *See*—
Marisic, Milton, and Rutledge.

Sales, Frederick J., London, England. Rotary alternating pistons pump. 2,453,271, Nov. 9.

Sandoz Limited, assignee: *See*—
Von Allmen, Samuel, and Eggenberger.

Sapin, Bernard, New York, N. Y. Knit fabric with gathers therein. 2,453,542, Nov. 9.

Sargent, Donald E.: *See*—
Sickels, Jackson P., and Sargent.

Sargent, Donald E., Easton, Pa., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,453,671, Nov. 9.

Sargent, Donald E., Easton, Pa., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,453,672, Nov. 9.

Sargent, Donald E., Easton, Pa., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,453,673, Nov. 9.

Sarver, Emmett F., assignor to Rohlm Manufacturing Company, Inc., Erie, Pa. Fitting for pipe or hose connections. 2,453,597, Nov. 9.

Savoie, Mark E., Cleveland, Ohio. Combined magnifier and telephone dialing implement. 2,453,272, Nov. 9.

Schabelitz, Ernest J., Rincon, Calif. Treating bituminous coal. 2,453,543, Nov. 9.

Schabelitz, Ernest J., Rincon, Calif. Preparing and coking bituminous coal. 2,453,544, Nov. 9.

Schaefer, Adolph O., Whitpain Township, Montgomery County, assignor to The Midvale Company, Philadelphia, Pa. Ferrous alloys and rotor forgings for gas turbines. 2,453,598, Nov. 9.

Schecter, Jack H.: *See*—
Aurillo, Joseph M., and Schecter.

Schelleng, John C., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Code modulation communication system. 2,453,461, Nov. 9.

Schlegel, Kurt, New York, N. Y. Dough-preparing device for latticework pie crust. 2,453,599, Nov. 9.

Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Butt contact mounting for rotary switches. 2,453,161, Nov. 9.

Schmertz, William E., Pittsburgh, Pa. Metal teeming. 2,453,643, Nov. 9.

Scholz, Theodore F., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole substituted acrylic acids. 2,453,674, Nov. 9.

Schramm, Arthur G., Phoenix, Ariz. Trailer construction. 2,453,388, Nov. 9.

Schutte, August H.: *See*—
Reed, Carl S., Schutte, and Bowles.

Scophony Corporation of America, assignee: *See*—
Rosenthal, Adolph H.

Scott, Ralph C., Brighton, N. Y. Tire antiskid mechanism. 2,453,273, Nov. 9.

Seborg, Raymond M.: *See*—
Stamm, Alfred J., Seborg, and Millett.

Seeley, Frank H.: *See*—
Petri, Edward W., and Seeley.

Sellers, John K., Warren, Ariz. Multiple element rheostat. 2,453,462, Nov. 9.

Serowy, John J., Chicago, Ill. Sealing device. 2,453,274, Nov. 9.

Severeign, Norman L.: *See*—
Leser, Jack M., and Severeign.

Seymour, George W., B. B. White, and E. Barabash, Cumberland, Md., assignors to Celanese Corporation of America. Preparation of mixed saturated-unsaturated esters of cellulose. 2,453,275, Nov. 9.

Shaffer, Chester E., Arlington, N. J., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Stoker. 2,453,162, Nov. 9.

Shawhigan Chemicals Limited, assignee: *See*—
Kaufmann, Charles, and Hall.

Shawinigan Water & Power Co., assignee: *See*—
Eaton, Milton.

Shelby, Fitz G., Shelby, Miss. Manual pocket square. 2,453,276, Nov. 9.

Shell Development Company, assignee: *See*—
Marple, Kenneth E.

Sheridan, Henry M., Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn. Toolholder. 2,453,464, Nov. 9.

Sherman, Alvin G., Grosse Pointe Park, Mich., assignor to Globe American Corporation, Kokomo, Ind. Construction of small boats. 2,453,463, Nov. 9.

Shipstead, Helge, Syracuse, assignor to The Borden Company, New York, N. Y. Vacuum treatment of milk powder. 2,453,277, Nov. 9.

Shurcliff, William A., Washington, D. C. X-ray apparatus and procedure. 2,453,163, Nov. 9.

Sickels, Jackson P., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,453,676, Nov. 9.

Sickels, Jackson P., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,453,677, Nov. 9.

Sickels, Jackson P., Plainfield, N. J., and D. E. Sargent, Easton, Pa., assignors to American Cyanamid Company, New York, N. Y. Alkamine alkyl esters of pyrrole-3,4-dicarboxylic acids. 2,453,675, Nov. 9.

Silberstein, Victor: *See*—
Kenyon, Joseph, and Silberstein.

Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Cylindrical grinding machine. 2,453,678, Nov. 9.

Simmons Slicing Knife Company, assignee: *See*—
Gustafson, Harry M.

Simonds Machine Co., Inc., assignee: *See*—
Bonin, George E.

Simpson, Justin, Elmhurst, assignor to Cameron Can Machinery Company, Chicago, Ill. Can end feeding mechanism. 2,453,545, Nov. 9.

Simpson, Thomas P.: *See*—
Payne, John W., Simpson, and Butzner.

Sinclair Refining Company, assignee: *See*—
Teter, John W., and Merwin.

Singer Manufacturing Company, The, assignee: *See*—
Sweeny, Charles P.

Sloan, John I., assignor of one-fifth to J. H. Poe, Tulsa, Okla. Apparatus for mixing drilling mud. 2,453,465, Nov. 9.

Slobodzian, Joseph, Phoenixville, Pa. Building construction. 2,453,466, Nov. 9.

Sluder, Eugene, assignee: *See*—
Clay, Paul H.

Smith, Ezra S., assignor to Metals & Controls Corporation, Attleboro, Mass. Circuit breaker. 2,453,546, Nov. 9.

Smith, Thomas F., Pasadena, Calif. Picture hanger. 2,453,467, Nov. 9.

Societe d'Etudes de Carburation pour l'Automobile et l'Aviation "S. E. C. A. A.," assignee: *See*—
Lozivit, René.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Marisic, Milton M., and Rutledge.
Payne, John W., Simpson, and Butxner.

Soden, Harold R., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Indexing mechanism. 2,453,600, Nov. 9.

Soderberg, Carl R., Weston, Mass., and J. A. Clark, Glastonbury, assignors to United Aircraft Corporation, East Hartford, Conn. Turbine construction. 2,453,547, Nov. 9.

Sperry Corporation, The, assignee: *See*—
Varian, Russell H.

Spiegl, Ellis H. and R. A., Salinas, Calif. Row-crop carryall. 2,453,348, Nov. 9.

Spiegl, Ralph A.: *See*—
Spiegl, Ellis H. and R. A.

Spokes, Ray E.: *See*—
Blume, William A., and Spokes.

Sprong, William J., Alhambra, Calif. Spring steel shoe with rubber sole. 2,453,468, Nov. 9.

Squibb, E. R., & Sons, assignee: *See*—
Perkins, Donald G.

Stalder, Oskar, Thun, Hunibach, assignor to Fried. Schenk's Wwe. Stadtmuhle Bern, Bern, Switzerland. Drilling appliance. 2,453,349, Nov. 9.

Stamm, Alfred J., R. M. Seborg, and M. A. Millett, Madison, Wis. Forming compressed wood structures. 2,453,679, Nov. 9.

Standard Oil Development Company, assignee: *See*—
Morway, Arnold J., and Zimmer.

Standard Products Company, The, assignee: *See*—
Reid, James S.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Despotakis, Tony.

Standard Vendors, Inc., assignee: *See*—
Auerbach, Maurice J.

Stanolind Oil and Gas Company, assignee: *See*—
Hartline, Ralph E.

Stapan, Elia, Chicago, Ill. Wheeled figure toy. 2,453,469, Nov. 9.

Staples, Henrietta: *See*—
Staples, Robert J., Sr., and H.

Staples, Robert J., Sr., and H., Houston, Tex. Grain drier. 2,453,278, Nov. 9.

Starbuck, Ernest A., Peoria, Ill. Universal joint. 2,453,279, Nov. 9.

Statham Laboratories, Inc., assignee: *See*—
Statham, Louis D.

Statham, Louis D., Beverly Hills, assignor to Statham Laboratories, Inc., Los Angeles, Calif. Accelerometer with electric strain wires. 2,453,548, Nov. 9.

Statham, Louis D., Beverly Hills, assignor to Statham Laboratories, Inc., Los Angeles, Calif. Electric strain gauge. 2,453,549, Nov. 9.

Statham, Louis D., Beverly Hills, assignor to Statham Laboratories, Inc., Los Angeles, Calif. Bar type-high range gauge. 2,453,550, Nov. 9.

Statham, Louis D., Beverly Hills, assignor to Statham Laboratories, Inc., Los Angeles, Calif. Ring type resistance strain gauge dynamometer. 2,453,551, Nov. 9.

Statham, Louis D., and C. J. Baker, Los Angeles, Calif., and K. D. Swartzel, Snyder, N. Y., assignors to Curtiss-Wright Corporation. Electric strain gauge. 2,453,601, Nov. 9.

Stearn, George F., Stafford, assignor to The English Electric Company Limited, London, England. Transformer winding. 2,453,552, Nov. 9.

Stegeman, Raymond F. E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Hydraulic telescoping lifting jack. 2,453,350, Nov. 9.

Steinitz, Stephan, New York, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,453,470, Nov. 9.

Steinkraus, Walter C., Chicago, Ill. Hot melt coating composition containing polyethylene, terpene resin, chlorinated diphenyl resin, and paraffin. 2,453,644, Nov. 9.

Steinway & Sons, assignee: *See*—
Bilhuber, Paul H.

Sterling Industries Limited, assignee: *See*—
Thomas, Percival E.

Stewart, Wilson M., Ottawa, Ontario, Canada. Coin controlled vending machine. 2,453,280, Nov. 9.

Stratford Development Corporation, assignee: *See*—
Putney, David H.

Strickler, John F., Jr., Williamsville, and S. K. Edelson, Niagara Falls, assignors to Bell Aircraft Corporation, Wheatfield, Niagara County, N. Y. Engine lubrication system. 2,453,602, Nov. 9.

Stringfield, Kenneth, assignee: *See*—
Renken, Harm L.

Suman, Frank R., Jr.: *See*—
Laying, Edwin T., and Suman, Jr.

Sumner, Columbus C., Elon College, N. C. Method and apparatus for stripping yarn packages. 2,453,603, Nov. 9.

Sunstein, David E.: *See*—
Tiley, John W., and Sunstein.

Sutter, Paul: *See*—
Kern, Walter, Sutter, Moergeli, and Holbro.

Swartzel, Karl D.: *See*—
Statham, Louis D., Baker, and Swartzel.

Sweeny, Charles P., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Speed and frequency control apparatus for radio-frequency bonding systems. 2,453,680, Nov. 9.

Swings, Polydore F., Pasadena, assignor to Lane-Wells Company, Los Angeles, Calif. Plural grating spectrograph. 2,453,164, Nov. 9.

Swiss firm of Ciba, Limited, assignee: *See*—
Kearn, Walter, Sutter, Moergeli, and Holbro. . .

Switzer, John L., and J. C. Michalek, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Preserving caustic soda from contamination in metal containers. 2,453,471, Nov. 9.

Syndicate Glass, Inc., assignee: *See*—
Odin, Frank W.

Talon, Inc., assignee: *See*—
Firing, Osborne.

Tansley, Leslie R., Columbus, Ohio. Measuring valve mechanism. 2,453,553, Nov. 9.

Tedder, Joel H., Los Angeles, Calif., assignor to International Business Machines Corporation, New York, N. Y. Relay control system. 2,453,281, Nov. 9.

Temple, Harold F., Elmont, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Tube perforating machine. 2,453,681, Nov. 9.

Tenenbaum, Adele and M., Jamaica, N. Y. Making prosthetic articles. 2,453,604, Nov. 9.

Tenenbaum, Milton: *See*—
Tenenbaum, Adele and M.

Teter, John W., and W. J. Merwin, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Dehydration of saturated nitriles. 2,453,472, Nov. 9.

Thieman, Catherine H., Beaver Dam, Wis. Stove flue cover. 2,453,473, Nov. 9.

Thieme, Otto, East Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Feeding mechanism for accounting machine carriage platens. 2,453,282, Nov. 9.

Thomas & Betts Co., The, assignee: *See*—
Bergan, Martin D.

Thomas, John, Milwaukee, Wis. Overhead door guiding and latching mechanism. 2,453,554, Nov. 9.

Thomas, Leon C., Greensboro, N. C. Indoor golf putting practice apparatus. 2,453,605, Nov. 9.

Thomas, Percival E., Worcester Park, assignor to Sterling Industries Limited, London, England. Self-sealing pipe coupling. 2,453,389, Nov. 9.

Thommen, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Gas blast circuit breaker. 2,453,555, Nov. 9.

Thornburgh, Ivan D., Leonia, N. J., assignor to American Can Company, New York, N. Y. Preparing tubing for transportation. 2,453,165, Nov. 9.

Thumann, Wesley W., Stuttgart, Ark. Battery terminal clamp. 2,453,474, Nov. 9.

Tiley, John W., assignor to Philco Corporation, Philadelphia, Pa. Microwave power measuring apparatus. 2,453,645, Nov. 9.

Tiley, John W., Philadelphia, and D. E. Sunstein, Elkins Park, Pa., assignors to Philco Corporation, Philadelphia, Pa. Microwave power measuring apparatus. 2,453,283, Nov. 9.

Timber Engineering Company, assignee: *See*—
Farber, Eduard.

Timken-Detroit Axle Company: *See*—
Buckendale, Lawrence R.

Tobias, Cornelius A., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Resuscitation apparatus. 2,453,475, Nov. 9.

Tomlin, George M., Flixton, near Manchester, and H. Burrows, Manchester, England. Toy, display device, and the like. 2,453,646, Nov. 9.

Törnborg, Algot K. G. B., Nassjo, Sweden. Rotary pump or rotary compressor. 2,453,284, Nov. 9.

Towns, Joshua G., Grand Junction, Colo. Holder for rupture buttons and the like. 2,453,166, Nov. 9.

Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Copolymers of dialkenyl arylphosphonates with vinyl acetate. 2,453,167, Nov. 9.

Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Copolymers of alkenyl arylphosphonates with methyl methacrylate. 2,453,168, Nv. 9.

Trailmobile Company, The, assignee: *See*—
Black, James J.

Tremain, Henry E., and L. R. Bacon, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Composition for inhibiting foam. 2,453,351, Nov. 9.

Tremain, Henry E., and L. R. Bacon, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Composition for inhibiting foam. 2,453,352, Nov. 9.

Troeger, Henry: *See*—
Gregg, David, and Troeger.

Troidl, Robert A., Lake George, N. Y. Film spool guide ring. 2,453,476, Nov. 9.

Trumbull Electric Manufacturing Company, The, assignee: *See*—
Hammerly, Herman J.

Union Oil Company of California, assignee: *See*—
Byrns, Alva C.
Polly, Orville L.

Union Special Machine Company: *See*—
Christensen, Norman V.

United Aircraft Corporation, assignee: *See*—
Cooper, Kenneth C.
Kalitinsky, Andrew.
Meitzler, Donald E.
Soderberg, Carl R., and Clark.

United Shoe Machinery Corporation, assignee: *See*—
Duplessis, Rene E.
Elliott, Harry D.
Johnson, Charles E.

United States of America, The, assignee: *See*—
Whitehead, Richard H.

Universal Oil Products Company, assignee: *See*—
Bloch, Herman S.

Van Overbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube with deflection control. 2,453,647, Nov. 9.

Varian, Russell H., Garden City, N. Y., assignor to The Sperry Corporation. Radio ground clearance indicator. 2,453,169, Nov. 9.

Vars, Ethan W., Duncannon, assignor, by mesne assignments, to George Harold Bell & Associates, York, Pa. Adjustable drawbar and adjustable mounting therefor. 2,453,556, Nov. 9.

Victor Chemical Works, assignee: *See*—
Toy, Arthur D. F.

Victor Metal Products Corporation, assignee: *See*—
Temple, Harold F.

Vittum, Paul W.: *See*—
Glass, Dudley B., Vittum, and Weissberger.

Voet, Andries, assignor to J. M. Huber, Incorporated, New York, N. Y. Preparing a dispersion of carbon black. 2,453,557, Nov. 9.

Voet, Andries, assignor to J. M. Huber, Incorporated, New York, N. Y. Printing ink. 2,453,558, Nov. 9.

Vogt, Henry, Machine Co. Inc., assignee: *See*—
Kubaugh, Benjamin F.

Von Allmen, Samuel, and H. Eggenberger, assignors to Sandoz Limited, Basel, Switzerland. Dyestuffs of the anthraquinone series. 2,453,285, Nov. 9.
Von Clemm, Werner, Syosset, N. Y. Bottle container. 2,453,286, Nov. 9.
Von Reppert, Richard, Rochester, assignor to International Business Machines Corporation, New York, N. Y. Power operating mechanism for typewriting machines. 2,453,287, Nov. 9.
Wagner, Henry J., Jackson, Mo. Electrode holder. 2,453,648, Nov. 9.
Walden, Henry W., New York, N. Y. Counterbalanced pivoted closure. 2,453,288, Nov. 9.
Walters, Frank J.: *See*—
Nelson, Homer B., and Walters.
War, United States of America, as represented by the Secretary of, assignee: *See*—
Bohlman, Walter S., and Bruce.
Bowers, Jack L.
Brandt, Kristian H.
Kharasch, Morris S.
Miller, George A., Jr.
Ringer, Abraham.
Ward, Vincent S., and G. K. Hurlbut, assignors, by mesne assignments, to B M C Manufacturing Corporation, Binghamton, N. Y. Automobile trouble light. 2,453,606, Nov. 9.
Wardle, Meredith C., Buffalo, and D. J. Howard, Akron, N. Y., assignors to Curtiss-Wright Corporation. Center of gravity location indicator. 2,453,607, Nov. 9.
Warga, Robert V., assignee: *See*—
Carter, Ben.
Warner & Swasey Company, The: *See*—
Curtis, Myron S.
Warren, William V., assignor, by mesne assignments, to The Wyatt Manufacturing Company, Incorporated, Salina, Kans. Shovel loader attachment for tractors. 2,453,649, Nov. 9.
Waterman, Arthur C., Shreveport, La. Refuse incinerator with dumping grate. 2,453,289, Nov. 9.
Watson, Paul D., Arlington, Va., assignor to The United States of America as represented by the Secretary of Agriculture. Polylactylic acid resins and making them. 2,453,559, Nov. 9.
Waukesha Motor Company, assignee: *See*—
Melcher, Lee W.
Weed, Welger & Company, assignee: *See*—
Huerber, Ernest W.
Weiss, Shirley I., New York, N. Y. Broad band variable tuning coil. 2,453,477, Nov. 9.
Weissberger, Arnold: *See*—
Glass, Dudley B., Vittum, and Weissberger.
Werner, Clarence W., Hansen, Idaho. Stabilizing iron. 2,453,390, Nov. 9.
West, Herbert J., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Cellulose ether compositions. 2,453,608, Nov. 9.
Westberg, Arthur H., Baldwin, and C. S. Aldrich, Babylon, N. Y., assignors to Republic Aviation Corporation. Airfoil operating mechanism. 2,453,560, Nov. 9.
Western Union Telegraph Company, The: *See*—
Buckingham, William D., and Delbert.
Weston, Arthur W., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Phenyl- and phenylalkylaminomethylenephenaceturates. 2,453,478, Nov. 9.
Wetzel, Roland M., Philadelphia, Pa. Racing game and puzzle. 2,453,290, Nov. 9.
Wheeler, Harold A., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, Teterboro, N. J. Control device and system. 2,453,170, Nov. 9.
Wheeler, Harold A., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, Teterboro, N. J. Control device. 2,453,171, Nov. 9.
Wheeler, Harold A., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, Teterboro, N. J. Control device and system. 2,453,654, Nov. 9.
White, Blanche B.: *See*—
Seymour, George W., White, and Barabash.
Whitehead, Richard H., New Haven, Conn., assignor, by mesne assignments, to the United States of America. Time fuse. 2,453,479, Nov. 9.
Whitehead, Richard H., New Haven, Conn., assignor, by mesne assignments, to the United States of America. Bore safety device for time fuses. 2,453,682, Nov. 9.
Whitehead, Richard K., Atlanta, Ga. Separator shield. 2,453,353, Nov. 9.
Whitehouse, Irving P., South Euclid, assignor to Republic Steel Corporation, Cleveland, Ohio. Areaway wall. 2,453,609, Nov. 9.
Whittingham, David J., Watertown, N. Y., assignor to The New York Air Brake Company. Tubing connections. 2,453,391, Nov. 9.
Wilford, John B., Glasgow, Mont. Self-rotating kingpin thrust bearing. 2,453,291, Nov. 9.
Wilkie, Harry, Dayton, Ohio. Grid cap. 2,453,172, Nov. 9.
Willard, Jess, Minot, N. Dak. Bowling game board. 2,453,610, Nov. 9.
Williams, Irvin J., Seattle, Wash. One-hand fruit picking device. 2,453,392, Nov. 9.
Williamson, Hilding V., and R. H. Griesemer, assignors to Cardox Corporation, Chicago, Ill. Quickly detachable coupling. 2,453,480, Nov. 9.
Wilson, Abram B., Hollidays Cove, W. Va., assignor to National Steel Corporation. Anode for electrolytic coating. 2,453,481, Nov. 9.
Wilson, Richard W., assignee: *See*—
Wilson, Robert C.
Wilson, Robert C., assignor of one-fourth to R. W. Wilson, Chula Vista, Calif. Combined spoon and lid for containers. 2,453,393, Nov. 9.
Wintle, Thomas D. G.: *See*—
Hill, Walter E., and Wintle.
Wiseman, Park A.: *See*—
McBee, Earl T., and Wiseman.
Wittman, Emil R., Grand Rapids, Mich. Adjustable gunstock. 2,453,394, Nov. 9.
Wolff, Jack, Brooklyn, N. Y. Window air vane device. 2,453,561, Nov. 9.
Wolff, Otto E.: *See*—
Bachelder, Albert J., and Wolff.
Woolley, Edward L.: *See*—
Row, Stuart B., and Woolley.
Woolson, Charles H., Syracuse, N. Y. Universal drill jig. 2,453,482, Nov. 9.
Wright, Carleton H., U. S. Navy, G. A. Chadwick, and F. W. Burk, Washington, D. C. Remote control system. 2,453,173, Nov. 9.
Wright, Howard E., Jr., Silver Spring, Md. Sealing and potting composition consisting of tri (p-tertiary butyl phenyl) phosphate and coumarone-indene resin. 2,453,174, Nov. 9.
Wright, James G. E., Schenectady, N. Y., assignor to General Electric Company. Heat-curable elastic compositions of matter. 2,453,562, Nov. 9.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Hokanson, Otto A.
Wyandotte Chemicals Corporation, assignee: *See*—
Tremain, Henry E., and Bacon.
Wyatt Manufacturing Company, Incorporated, The, assignee: *See*—
Warren, William V.
Yingling, Frank B., Hamilton, Ohio. Electromechanical railroad locomotive. 2,453,483, Nov. 9.
Yonkers, Edward H., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Fuse. 2,453,395, Nov. 9.
Yonkers, Edward H., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Fuse. 2,453,396, Nov. 9.
Yonkers, Edward H., Glencoe, assignor to Joslyn Manufacturing and Supply Corporation, Chicago, Ill. Fuse link. 2,453,397, Nov. 9.
Yonkers, Edward H., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Fuse. 2,453,688, Nov. 9.
Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Electrolytic signal recording. 2,453,484, Nov. 9.
Youngson, Donald A., and R. E. Matthews, Devon, Conn., assignor to General Electric Company. Searchlight control system. 2,453,175, Nov. 9.
Zabel, William C. P., and R. C. Helfenbein, assignors to Plasmetl Corporation, Chicago, Ill. Culinary utensil. 2,453,354, Nov. 9.
Ziebolz, Herbert, assignor to Electronbeam, Ltd., Chicago, Ill. Regulator system. 2,453,563, Nov. 9.
Zimmer, Eric H., Wyckoff, N. J. Antiskid device. 2,453,611, Nov. 9.
Zimmer, John C.: *See*—
Morway, Arnold J., and Zimmer.
Zirin, Samuel, Brooklyn, N. Y., assignor to Marsam Specialties, Inc. Outdoor card game board. 2,453,292, Nov. 9.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Wash box. Olay M. Twelt. Re. 23,048, Nov. 9.

LIST OF DESIGN INVENTIONS

Airplane. W. A. Pulver and A. E. Flock. 151,713, Nov. 9.
Ash tray. C. T. Armus. 151,671–2, Nov. 9.
Bathing suit. R. M. Reid. 151,714, Nov. 9.
Blender, Powder. J. R. Clarke. 151,683, Nov. 9.
Bolster cover for pillows or similar article. G. L. Such. 151,721, Nov. 9.
Bootee. P. F. Eberle and L. E. Sans. 151,685, Nov. 9.
Brace. W. B. Ruger. 151,719, Nov. 9.
Brassiere. J. Selcow. 151,720, Nov. 9.
Brooch or similar article. M. Duvalet. 151,684, Nov. 9.
Brooch or similar article. A. Katz. 151,694, Nov. 9.
Case or similar article, Lipstick. W. H. Leavin. 151,697, Nov. 9.
Chain for a bracelet or similar article. M. Chernow. 151,682, Nov. 9.
Chair, Rocking. E. Bird. 151,675, Nov. 9.
Dispensing device for dog biscuits or the like. F. E. Welsh. 151,722, Nov. 9.
Display box, Watch and jewelry. S. Braun. 151,679, Nov. 9.
Display case, Self-service refrigerated. E. F. Brill. 151,681, Nov. 9.
Drawer pull. R. W. Gane. 151,689, Nov. 9.
Dress. M. Macpherson. 151,702, Nov. 9.
Earring or similar article. L. G. Arpin. 151,673–4, Nov. 9.
Font of type. M. Bloch. 151,677, Nov. 9.
Frame, Spectacle. L. Jacobson. 151,693, Nov. 9.
Frame, Spectacle. M. B. Levoy. 151,698, Nov. 9.
Handle for kitchen utensils or similar articles. W. C. Lueneburg. 151,700, Nov. 9.
Handle, Utensil. E. M. Oster. 151,704, Nov. 9.
Heater, Space. H. E. and C. J. Winkler. 151,726, Nov. 9.
Holder, Bobby pin and hairpin. L. W. Blouin. 151,678, Nov. 9.
Holder or similar article, Paper roll. F. Bletzinger, Sr. 151,676, Nov. 9.
Holder, Straw. H. E. Kelley, Jr. 151,695, Nov. 9.
Jacket. H. Goldberg. 151,690, Nov. 9.
Jewelry charm. C. and G. Kiashek. 151,696, Nov. 9.
Lamp and smoking stand, Combined. E. R. Fisk. 151,687, Nov. 9.
Miter box. H. J. Ziemann. 151,727, Nov. 9.
Necklace or similar article. A. Philippe. 151,706–12, Nov. 9.
Necktie or the like. W. F. Rothe. 151,716–18, Nov. 9.
Pruning saw. G. L. Whitman and C. D. Gunn. 151,725, Nov. 9.
Racquet press. C. B. Briggs. 151,680, Nov. 9.
Recording studio building or the like. M. Rettinger. 151,715, Nov. 9.
Service station. L. T. White. 151,724, Nov. 9.
Ski sandal. G. W. Lothrop. 151,699, Nov. 9.
Stapling machine or similar article. H. S. Heller. 151,692, Nov. 9.
Support, Combined syringe bag and tube. R. O. Ferguson. 151,686, Nov. 9.
Table or similar article. E. J. Lux. 151,701, Nov. 9.
Textile fabric. E. M. Patterson. 151,705, Nov. 9.
Toy, Airplane control. C. H. Foster. 151,688, Nov. 9.
Toy jack-in-the-box or similar article. C. R. White. 151,723, Nov. 9.
Tractor, Garden. Ed. B. Meripol. 151,703, Nov. 9.
Trap, Animal. A. C. Haggstrom. 151,691, Nov. 9.
Tube socket, Vacuum. C. J. Adams and H. Z. Benton. 151,670, Nov. 9.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerometer with electric strain wires. L. D. Statham. 2,453,548, Nov. 9.
Acid treatment of anthraquinone-thiazole vat dyestuffs. J. F. Cullinan and L. D. Lytle. 2,453,410, Nov. 9.
Adhesive sheet, Pressure-sensitive. J. W. Pearson. 2,453,258, Nov. 9.
Air filter. J. F. Donat. 2,453,206, Nov. 9.
Airfoil operating mechanism. A. H. Westberg and C. S. Aldrich. 2,453,560, Nov. 9.
Alkali-free hydrogel catalyst, Making a substantially. J. W. Payne, T. P. Simpson, and J. I. Butzner. 2,453,585, Nov. 9.
Alkamine alkyl esters of pyrrole-3,4-dicarboxylic acids. J. P. Sickels and D. E. Sargent. 2,453,675, Nov. 9.
Alkamine esters of pyrrole substituted acrylic acids. T. F. Scholz. 2,453,674, Nov. 9.
Alkamine esters of pyrrole-3,4-dicarboxylic acids. D. E. Sargent. 2,453,671–3, Nov. 9.
Alkamine esters of pyrrole-3,4-dicarboxylic acids. J. P. Sickels. 2,453,676–7, Nov. 9.
Alloys and rotor forgings for gas turbines, Ferrous. A. O. Schaefer. 2,453,598, Nov. 9.
Amino-carboxylic-acids from lactams, Preparation of. T. Koch. 2,453,234, Nov. 9.
Amusement apparatus, Vehicular. H. J. Newman and E. F. Johnson. 2,453,380, Nov. 9.
Anchor and shield, Button staple. I. M. Janes. 2,453,227, Nov. 9.
Anchor, Ground support. J. B. Hyde. 2,453,226, Nov. 9.
Anode for electrolytic coating. A. B. Wilson. 2,453,481, Nov. 9.
Anthrimide carbazole vat dyestuffs. W. Kern, P. Sutter, E. Moergell, and T. Holbro. 2,453,232, Nov. 9.
Antiparaffin sucker rod. W. R. Crall. 2,453,199, Nov. 9.
Antiskid device. E. H. Zimmer. 2,453,611, Nov. 9.
Antiskid vehicle frame. M. C. Lubcke. 2,453,445, Nov. 9.
Apparatus for cooling bottled beverages. F. M. Lambert. 2,453,667, Nov. 9.
Apparatus for dispensing liquid fuel. A. H. Rosenthal. 2,453,595, Nov. 9.
Apparatus for drying foundry molds. C. A. Barnett and J. M. Beyrl. 2,453,400, Nov. 9.
Apparatus for edge-gluing strip elements. P. H. Bilhuber. 2,453,185, Nov. 9.
Apparatus for inspecting sheet material. T. P. Pajak. 2,453,338, Nov. 9.
Apparatus for making pattern mirrors and other coatings. W. L. Morgan. 2,453,582, Nov. 9.
Apparatus for making plastic masses. W. S. Bohlman and D. S. Bruce. 2,453,404, Nov. 9.
Apparatus for measuring wall thickness of propeller blades. D. J. Davis. 2,453,306, Nov. 9.
Apparatus for mixing drilling mud. J. I. Sloan. 2,453,465, Nov. 9.
Apparatus for separating entrained solids from gases. D. H. Putney. 2,453,593, Nov. 9.
Apparatus for separating starch from gluten. L. B. Edsall and A. K. Kilander. 2,453,310, Nov. 9.
Apparatus for the manufacture of cork-board by injection of a heated gas. C. R. Calleia. 2,453,568, Nov. 9.
Apron. N. B. Densmore. 2,453,202, Nov. 9.
Apron drive, Spreader. J. L. Marsh. 2,453,242, Nov. 9.
Arc discharge device, Concentrated. W. D. Buckingham and C. R. Deibert. 2,453,118, Nov. 9.
Areaway wall. I. P. Whitehouse. 2,453,609, Nov. 9.
Article supporting closure for cabinets. T. W. Rundell. 2,453,387, Nov. 9.
Ash tray. M. P. Omelina. 2,453,256, Nov. 9.
Attaching tear strip winding keys to receptacles. C. L. Emmons. 2,453,503, Nov. 9.
Attachment for lathes, Radius. A. M. Bell, Jr. 2,453,111, Nov. 9.
Attachment for standard tanks, Buoyant. A. J. McCutchen. 2,453,149, Nov. 9.
Automatic means for regulating electric steam generators. M. Eaton. 2,453,210, Nov. 9.
Automobile trouble light. V. S. Ward and G. K. Huribut. 2,453,606, Nov. 9.
Baby carriage and shopping cart, Combination. J. M. Leser and N. L. Severeign. 2,453,631, Nov. 9.
Barium lake pigment, Producing a. J. B. Callaway and D. B. Killian. 2,453,490, Nov. 9.
Bar type-high range gauge. L. D. Statham. 2,453,550, Nov. 9.
Barrel closing ring. B. Carter. 2,453,492, Nov. 9.
Basket, Furnace tray. H. F. Jackson. 2,453,511, Nov. 9.
Battery terminal clamp. W. W. Thumann. 2,453,474, Nov. 9.

Bearing: *See*—
Self-rotating kingpin thrust bearing.
Bearing mounting for drive sprockets of track type tractors. G. E. Burks. 2,453,360, Nov. 9.
Bee comb foundation. H. C. Dadant. 2,453,411, Nov. 9.
Belt, Cartridge. J. S. Reid. 2,453,540, Nov. 9.
Bicycle generator regulated by rotor torque variations. D. McCullough. 2,453,523, Nov. 9.
Binder, Loose-leaf. E. E. Harper. 2,453,507, Nov. 9.
Blade container. E. A. Locke, Jr. 2,453,238, Nov. 9.
Blade holder. M. S. Corbett. 2,453,198, Nov. 9.
Board: *See*—
Bowling game board.
Outdoor card game board.
Bobbin construction, Reinforced plastic. J. R. Moss. 2,453,247, Nov. 9.
Boring machine, Earth. R. H. Dobbs. 2,453,204, Nov. 9.
Bottle container. W. Von Clemm. 2,453,286, Nov. 9.
Bottle tap, Paper. J. P. Jones. 2,453,133, Nov. 9.
Bowling game board, J. Willard. 2,453,610, Nov. 9.
Box: *See*—
Journal box.
Bracket: *See*—
Rockable shelf bracket.
Brake: *See*—
Hand brake.
Brake for hand trucks, Tongue actuated. W. C. House. 2,453,575, Nov. 9.
Brake for wagons. T. I. Duffy. 2,453,363, Nov. 9.
Brassière. M. R. Bates. 2,453,296, Nov. 9.
Bubble ornamental device and method. A. Abramson. 2,453,178, Nov. 9.
Buffing machine. R. D. Harris. 2,453,316, Nov. 9.
Building construction. J. Slobodzian. 2,453,466, Nov. 9.
Building structure, Portable. S. R. Lambert. 2,453,326, Nov. 9.
Building units, Interlocking. R. L. Haden. 2,453,221, Nov. 9.
Building units, Making concrete. A. Henderson. 2,453,223, Nov. 9.
Buoyant electric cable. P. Dunsheath and W. C. Barry. 2,453,418–19–20, Nov. 9.
Bus bar and connecting link for use in electrical wiring systems. W. E. Hill and T. D. G. Wintle. 2,453,224, Nov. 9.
Cabinet having shelf-forming closures, Office. R. D. Hinton. 2,453,129, Nov. 9.
Cable: *See*—
Buoyant electric cable.
Cable clamp. R. A. Hackathorn. 2,453,432, Nov. 9.
Cable spooling device for well drilling rigs. T. H. Berry. 2,453,184, Nov. 9.
Cap: *See*—
Grid cap.
Carbohydrate-boric acid salts of amino aromatic bases. D. Curtis. 2,453,108, Nov. 9.
Carbon black. C. Kaufmann and R. H. Hall. 2,453,440, Nov. 9.
Carbonate salts of calcium and magnesium, Preparation of. W. McGeorge and F. H. Milner. 2,453,446, Nov. 9.
Carrier for knitting machines. M. Jauch. 2,453,513, Nov. 9.
Catalyst transfer system. C. S. Reed, A. H. Schutte, and V. O. Bowles. 2,453,458, Nov. 9.
Catalytic conversion of hydrocarbons. G. A. Mills. 2,453,152, Nov. 9.
Cellulose ester or ether plasticized with ethyl alpha-carbethoxyethoxyethyl carbonate. C. E. Rehberg. 2,453,264, Nov. 9.
Cellulose ether compositions. H. J. West. 2,453,608, Nov. 9.
Center of gravity location indicator. M. C. Wardle and D. J. Howard. 2,453,607, Nov. 9.
Centrifuge, Self-balancing. M. A. Giblin. 2,453,367, Nov. 9.
Chain: *See*—
Nonskid tire chain.
Chair for gunners, Adjustable. R. E. Duplessis. 2,453,208, Nov. 9.
Chemiluminescent composition of matter, Preparation of. H. T. Lacey and R. E. Brouillard. 2,453,578, Nov. 9.
Chuck. J. M. Peters. 2,453,262, Nov. 9.
Chuck, Automatic. E. Roy. 2,453,642, Nov. 9.
Chute, Coaling. J. E. O'Brien. 2,453,253, Nov. 9.
Cigarette holder and ash tray, Combined. D. J. Coffey. 2,453,304, Nov. 9.

Circuit: *See*—
Electrical control circuit.
Circuit breaker. E. S. Smith. 2,453,546, Nov. 9.
Circuit breaker, Gas blast. H. Thommen. 2,453,555, Nov. 9.
Circuit breaker, Nonfree-tripping overload. A. W. Krieger. 2,453,235, Nov. 9.
Clamp: *See*—
Battery terminal clamp.
Cable clamp.
Cue tip clamp.
Tow bar clamp.
Clamp. G. Bennett. 2,453,112, Nov. 9.
Cleaner: *See*—
Dip stick cleaner.
Closure, Counterbalanced pivoted. H. W. Walden. 2,453,288, Nov. 9.
Clutch and brake device. G. E. Moore. 2,453,581, Nov. 9.
Coating composition containing polyethylene, terpene resin, chlorinated diphenyl resin, and paraffin, Hot melt. W. C. Steinkraus. 2,453,644, Nov. 9.
Coder for code modulation transmission. A. C. Norwine. 2,453,454, Nov. 9.
Coin-controlled device. M. J. Auerbach. 2,453,398, Nov. 9.
Coin selecting device. O. A. Hokanson. 2,453,437, Nov. 9.
Collimator sight for torpedo ejectors, Reflector. W. B. Ensinger. 2,453,122, Nov. 9.
Color blindness chart for detecting anomalous vision, deuteranopes, protanopes, tritanopes and monochromats. R. B. Morris. 2,453,335, Nov. 9.
Communication cables, Manufacturing. C. S. Gordon. 2,453,313, Nov. 9.
Communication system, Code modulation. J. C. Schelleng. 2,453,461, Nov. 9.
Composition for inhibiting foam. H. E. Tremain and L. R. Bacon. 2,453,351–2, Nov. 9.
Compositions of matter, Heat-curable elastic. J. G. E. Wright. 2,453,562, Nov. 9.
Compressor. P. Kollsman. 2,453,373–5, Nov. 9.
Compressor, Centrifugal. K. D. McMahan and N. P. Bailey. 2,453,524, Nov. 9.
Compressor motor and making same. R. L. Benson. 2,453,297, Nov. 9.
Compressor or pump. H. W. Bell. 2,453,402, Nov. 9.
Condenser. H. M. Graham. 2,453,662, Nov. 9.
Condenser, Filter, and brush holder. K. H. Brandt. 2,453,114, Nov. 9.
Connection for enameled tanks. W. H. Martin. 2,453,331, Nov. 9.
Connector: *See*—
Tinsel wire connector.
Constant pressure pump. W. T. Rauch. 2,453,538, Nov. 9.
Construction of small boats. A. G. Sherman. 2,453,463, Nov. 9.
Contacting apparatus for catalytic processes. D. H. Putney. 2,453,592, Nov. 9.
Container: *See*—
Blade container.
Bottle container.
Controlled ventilated container.
Easy packing container.
Lipstick container.
Container. L. E. Richter. 2,453,159, Nov. 9.
Container and closure therefor. J. Hohl. 2,453,664, Nov. 9.
Control apparatus for internal-combustion engines. L. Lee, II. 2,453,328–9, Nov. 9.
Control apparatus for radio-frequency bonding systems, Speed and frequency. C. P. Sweeny. 2,453,680, Nov. 9.
Control apparatus, Refrigerating. A. B. Newton. 2,453,584, Nov. 9.
Control apparatus, Tuning. L. L. Royal. 2,453,268, Nov. 9.
Control device. J. L. De Barbieri and E. Kishner. 2,453,571, Nov. 9.
Control device. H. A. Wheeler. 2,453,171, Nov. 9.
Control device and system. H. A. Wheeler. 2,453,170, Nov. 9.
Control device and system. H. A. Wheeler. 2,453,654, Nov. 9.
Control for internal-combustion engines. F. C. Mock. 2,453,651, Nov. 9.
Control mechanism for radio receivers, Tuning. W. E. Newman. 2,453,252, Nov. 9.
Control system, Refrigeration. A. B. Hubbard. 2,453,439, Nov. 9.
Control system, Relay. J. H. Tedder. 2,453,281, Nov. 9.
Control system, Searchlight. D. A. Youngson and R. E. Matthews. 2,453,175, Nov. 9.
Controlled fractional distillation of petroleum. P. Docksey. 2,453,205, Nov. 9.
Controlled ventilated container. I. Hill. 2,453,574, Nov. 9.
Controlling apparatus, Electric. S. Steinitz. 2,453,470, Nov. 9.
Copolymer of isopropenyl acetate and vinyl chloride. R. L. Hasche and E. M. McMahon. 2,453,317, Nov. 9.
Copolymers of alkenyl arylphosphonates with methyl methacrylate. A. D. F. Toy. 2,453,168, Nov. 9.
Copolymers of dialkenyl arylphosphonates with vinyl acetate. A. D. F. Toy. 2,453,167, Nov. 9.
Counterbalance mechanism. E. E. Foster. 2,453,424, Nov. 9.
Coupler, Multiple-disk friction. R. G. Le Tourneau. 2,453,237, Nov. 9.
Couplers, Colored. D. B. Glass, P. W. Vittum, and A. Weissberger. 2,453,661, Nov. 9.
Coupling: *See*—
Flexible coupling.
Hydrokinetic coupling.
Pipe coupling.
Quickly detachable coupling.
Self-sealing pipe coupling.
Cover: *See*—
Stove flue cover.
Crutch. A. R. Lofstrand, Jr. 2,453,632, Nov. 9.
Cue tip clamp. B. R. Nybagen. 2,453,157, Nov. 9.
Cutter for tube-ice machines, Adjustable. B. F. Kubaugh. 2,453,140, Nov. 9.
Data storing device, Record controlled. H. P. Luhn. 2,453,239, Nov. 9.
Dehydration of saturated nitriles. J. W. Teter and W. J. Merwin. 2,453,472, Nov. 9.
Deleading gasoline. M. S. Kharasch. 2,453,138, Nov. 9.
Denture repair tool. A. B. Cline. 2,453,303, Nov. 9.
Device for releasing snagged fishing lures or baits. E. F. McDonald, Jr. 2,453,245, Nov. 9.
Device producing ornamental bubble effects and method. A. Abramson. 2,453,176–7, Nov. 9.
Dialkyl thioacetals of cholestanone and method. S. Bernstein and L. Dorfman. 2,453,566, Nov. 9.
Dip stick cleaner. K. Nielsen. 2,453,452, Nov. 9.
Discharge tube with deflection control, Electric. A. J. W. M. van Overbeek. 2,453,647, Nov. 9.
Disk plow attachment for tractors. P. H. Clay. 2,453,197, Nov. 9.
Disk record holder. E. J. and H. F. Baker. 2,453,399, Nov. 9.
Dispersion of carbon black, Preparing a. A. Voet. 2,453,557, Nov. 9.
Door guiding and latching mechanism, Overhead. J. Thomas. 2,453,554, Nov. 9.
Dough-preparing device for latticework pie crust. K. Schlegel. 2,453,599, Nov. 9.
Drawbar and adjustable mounting therefor, Adjustable. E. W. Vars. 2,453,556, Nov. 9.
Drier: *See*—
Grain drier.
Hair drier.
Drier head, Garment. P. C. Bowen. 2,453,488, Nov. 9.
Drill chuck, Chip breaking. J. W. Karweit. 2,453,136, Nov. 9.
Drill device, Chip breaking. J. W. Karweit. 2,453,135, Nov. 9.
Drill jig, Universal. C. H. Woolson. 2,453,482, Nov. 9.
Drilling appliance. O. Stalder. 2,453,349, Nov. 9.
Drilling metal and the like. J. W. Karweit. 2,453,137, Nov. 9.
Drive for track-laying vehicles. H. V. Dwight. 2,453,209, Nov. 9.
Drive mechanism. J. L. Perkins. 2,453,586, Nov. 9.
Dyestuffs of the anthraquinone series. S. von Allmen and H. Eggenberger. 2,453,285, Nov. 9.
Dynamoelectric machine. A. C. Hugin. 2,453,509, Nov. 9.
Dynamoelectric machine and securing device. F. H. Fleischer. 2,453,504, Nov. 9.
Dynamoelectric machine with closed air circulating system. L. W. Melcher. 2,453,449, Nov. 9.
Ear decoration. G. M. Axtell. 2,453,485, Nov. 9.
Easel attachment for ladders, Painter's. J. L. Arnold. 2,453,355, Nov. 9.
Easel for colored photographic printing. L. V. Grover. 2,453,431, Nov. 9.
Easy packing container. J. R. Belsinger. 2,453,614, Nov. 9.
Educational device. W. K. Robinson. 2,453,265, Nov. 9.
Electric motor. A. Bertea. 2,453,358–9, Nov. 9.
Electric strain gauge. L. D. Statham. 2,453,549, Nov. 9.
Electric strain gauge. L. D. Statham, C. J. Baker, and K. D. Swartzel. 2,453,601, Nov. 9.
Electric switch. G. C. Crowley. 2,453,498, Nov. 9.
Electrical control circuit. P. Glass. 2,453,624, Nov. 9.
Electrical switch. J. A. Kavanagh. 2,453,231, Nov. 9.
Electrode holder. H. J. Wagner. 2,453,648, Nov. 9.
Electrolytic method for the production of porous, catalytic metal. M. M. Marisic and T. F. Rutledge. 2,453,668, Nov. 9.
Electromagnet. O. I. Price. 2,453,158, Nov. 9.
Electron diffraction system and method. N. R. Davidson. 2,453,412, Nov. 9.
Engine control. H. A. Alexanderson. 2,453,650, Nov. 9.
Engine control for free-piston units. A. Kalitinsky. 2,453,516, Nov. 9.
Engine starter and generator means. S. Gilbert. 2,453,215, Nov. 9.
Engine starting gearing. J. E. Buxton. 2,453,657, Nov. 9.
Esters of cellulose, Preparation of mixed saturated-unsaturated. G. W. Seymour, B. B. White, and E. Barabash. 2,453,275, Nov. 9.
Esters of perfluoroadipic acid. E. T. McBee and P. A. Wiseman. 2,453,147, Nov. 9.
Ethyl cellulose composition. H. G. Figdor. 2,453,214, Nov. 9.
Expander for loose-leaf note books. W. B. Roberts. 2,453,459, Nov. 9.
Extracting and purifying bitumen. V. R. Logan. 2,453,633, Nov. 9.
Extrusion apparatus. L. C. Frazier. 2,453,312, Nov. 9.
Eyepiece mounting and guard means therefor. Rotatable microscope. H. N. Ott. 2,453,257, Nov. 9.

Fabric and articles made therefrom, Ornamental. S. La Fair. 2,453,441, Nov. 9.
Feeding mechanism, Can end. J. Simpson. 2,453,545, Nov. 9.
Feeding mechanism for accounting machine carriage platens. O. Thieme. 2,453,282, Nov. 9.
Field intensity meter. A. Ringer. 2,453,160, Nov. 9.
Film spool guide ring. R. A. Troidl. 2,453,476, Nov. 9.
Filter: *See*—
Air filter. Sanitary filter.
Filter for gaseous mediums. C. G. McKeown. 2,453,447, Nov. 9.
Filtering apparatus. S. B. Row and E. L. Woolley. 2,453,345, Nov. 9.
Fin structure for internal-combustion engines, Cooling. W. B. Bronander. 2,453,567, Nov. 9.
Finger ring with key. H. H. Boscowitz. 2,453,190, Nov. 9.
Fish stringer retainer. K. L. Orton. 2,453,381, Nov. 9.
Fitting for automobile radiators. F. E. Brady, Jr. 2,453,406, Nov. 9.
Fitting for pipe or hose connections. E. F. Sarver. 2,453,597, Nov. 9.
Flash distillation of acetophenone from benzoic acid. W. S. Emerson and V. E. Lucas. 2,453,423, Nov. 9.
Flexible coupling. G. Rathman. 2,453,383, Nov. 9.
Flight training apparatus. B. Hertz. 2,453,436, Nov. 9.
Floating dock and wharf. H. B. Nelson and F. J. Walters. 2,453,155, Nov. 9.
Fluid control system. T. B. Chace. 2,453,409, Nov. 9.
Fluid distribution system. J. M. Dom. 2,453,416, Nov. 9.
Fluorenone dielectric composition. F. M. Clark. 2,453,494, Nov. 9.
Flying fuselage. I. Jerome. 2,453,514, Nov. 9.
Folding camera support. D. G. Lewis. 2,453,442, Nov. 9.
Food preserving apparatus. H. L. Moore. 2,453,530, Nov. 9.
Forming compressed wood structures. A. J. Stamm, R. M. Seborg, and M. A. Millett. 2,453,679, Nov. 9.
Frame: *See*—
Antiskid vehicle frame.
Freezing high liquid content fruits and vegetables. A. F. Hoffman. 2,453,130, Nov. 9.
Frequency modulating and harmonic producer apparatus. W. P. Mason. 2,453,243, Nov. 9.
Frequency modulation system. L. E. Norton. 2,453,453, Nov. 9.
Friction clutch operating mechanism. R. S. Root. 2,453,344, Nov. 9.
Friction elements and bond therefor, Making. W. A. Blume and R. E. Spokes. 2,453,188, Nov. 9.
Fruit juice concentrates, Preparing full-flavored. L. G. MacDowell, E. L. Moore, and C. D. Atkins. 2,453,109, Nov. 9.
Fruit picking device, One-hand. I. J. Williams. 2,453,392, Nov. 9.
Fuel control system for Diesel engines. J. H. Clark. 2,453,196, Nov. 9.
Fuse. E. H. Yonkers. 2,453,395–6, Nov. 9.
Fuse. E. H. Yonkers. 2,453,688, Nov. 9.
Fuse link. E. H. Yonkers. 2,453,397, Nov. 9.
Gas porting device for shotguns. R. M. Cutts. 2,453,121, Nov. 9.
Gauge: *See*—
Bar type-high range gauge. Electric strain gauge.
Gauge dynamometer, Ring type resistance strain. L. D. Statham. 2,453,551, Nov. 9.
Gelatin or glue from hides and other collagen or ossein-containing material, Production of. J. Kenyon and V. Silberstein. 2,453,630, Nov. 9.
Generator control, Electric steam. M. Eaton. 2,453,211, Nov. 9.
Glass tubing joint. H. A. Meneses. 2,453,669, Nov. 9.
Glycidyl ethers. K. E. Marple. 2,453,634, Nov. 9.
Golf putting practice apparatus, Indoor. L. C. Thomas. 2,453,605, Nov. 9.
Grain drier. R. J., Sr., and H. Staples. 2,453,278, Nov. 9.
Grain trimming device. A. L. Carlia. 2,453,408, Nov. 9.
Grease interceptor. S. J. Grum. 2,453,219, Nov. 9.
Grease, Lubricating. A. J. Morway and J. C. Zimmer. 2,453,153, Nov. 9.
Grid cap. H. Wilkie. 2,453,172, Nov. 9.
Grill, Hamburger. C. C. Rone. 2,453,385, Nov. 9.
Grinder machine. E. F. Hager. 2,453,573, Nov. 9.
Grinding machine, Cylindrical. H. A. Silven. 2,453,678, Nov. 9.
Grip and holder, Electrode. I. M. Matson. 2,453,244, Nov. 9.
Guard, Noninterlocking bumper. H. R. Conner. 2,453,362, Nov. 9.
Guard, Sanitary cow. J. L. Cleveland. 2,453,302, Nov. 9.
Gunstock, Adjustable. E. R. Wittman. 2,453,394, Nov. 9.
Hair drier. R. R. Austin. 2,453,179, Nov. 9.
Hand beading tool. E. A. Forcier. 2,453,126, Nov. 9.
Hand brake. R. J. Olander. 2,453,255, Nov. 9.
Hanger: *See*—
Picture hanger.
Hatching device. G. Baer. 2,453,356, Nov. 9.
Head for sanding machines, Rotary. J. C. Hammontree. 2,453,222, Nov. 9.
Heat dissipation for electronic tube apparatus. E. Hansen and G. O. Davis. 2,453,433, Nov. 9.
Heat exchanger. M. H. McTurk. 2,453,448, Nov. 9.
Heating and ventilating apparatus. H. A. Pietsch. 2,453,382, Nov. 9.
Heating apparatus, Hot food table. B. J. Freed. 2,453,425, Nov. 9.
Hernia truss. C. R. Carpenter. 2,453,195, Nov. 9.
High-frequency heating. E. Mittlemann. 2,453,529, Nov. 9.
High-frequency variable inductance. J. L. Bowers. 2,453,113, Nov. 9.
Hoist, Boat. O. F. Hook. 2,453,628, Nov. 9.
Holder: *See*—
Blade holder. Lamp shade holder.
Disk record holder. Steel tape holder.
Electrode holder. Welding electrode holder.
Holder for artificial teeth. J. R. King. 2,453,518, Nov. 9.
Holder for rupture buttons and the like. J. G. Towns. 2,453,166, Nov. 9.
Holder for whetstones. W. D. Dunn. 2,453,207, Nov. 9.
Holding fixture for coating optical elements. W. Lange. 2,453,141, Nov. 9.
Honda. H. V. Cross. 2,453,497, Nov. 9.
Hook. T. G. Persson. 2,453,670, Nov. 9.
Horizontal liquid current separator. J. M. Aurilio and J. H. Schecter. 2,453,293, Nov. 9.
Hot-water treatment of vinyl resin light-polarizing sheet. F. J. Binda. 2,453,186, Nov. 9.
Hub adapter, Emergency. F. B. Martin, Jr. 2,453,635, Nov. 9.
Hydraulic telescoping lifting jack. R. F. E. Stegeman. 2,453,350, Nov. 9.
Hydrocarbon composition, Halogenated. F. M. Clark and E. L. Raab. 2,453,493, Nov. 9.
Hydrocarbon conversion. E. T. Layng and F. T. Suman, Jr. 2,453,327, Nov. 9.
Hydrokinetic coupling. F. Cloete. 2,453,684, Nov. 9.
Ice container for refrigerator cars. E. R. Battley and G. E. McCoy. 2,453,295, Nov. 9.
Ignition system for miniature two-cycle gas engines, Low-tension. M. P. McKay. 2,453,636, Nov. 9.
Illuminated compact. O. W. Chinn. 2,453,621, Nov. 9.
Image forming optical lens system athermalized for focal point. D. S. Grey. 2,453,218, Nov. 9.
Indexing mechanism. H. R. Soden. 2,453,600, Nov. 9.
Indicator: *See*—
Center of gravity location. Radio ground clearance indicator.
Indigoid vat dyestuff. K. Hoelzle and E. Kambli. 2,453,225, Nov. 9.
Infolding method and machine. A. G. Gilbert and W. H. Rogers, Jr. 2,453,623, Nov. 9.
Instrument for measuring water flow in wells. R. G. Piety. 2,453,456, Nov. 9.
Internal-combustion engine with double-acting crosshead scavenge pump. O. Petersen. 2,453,639, Nov. 9.
Iron: *See*—
Stabilizing iron.
Isolation of gramicidin. H. S. Olcott and H. L. Fraenkel-Conrat. 2,453,534, Nov. 9.
Isomerization of bicyclic substances and products resulting therefrom. J. P. Bain and A. H. Best. 2,453,110, Nov. 9.
Jack: *See*—
Hydraulic telescoping lifting jack.
Joint: *See*—
Glass tubing joint. Universal joint.
Pipe joint.
Journal box. H. R. Reynolds. 2,453,594, Nov. 9.
Jump roll, Live. H. O. Beeching. 2,453,401, Nov. 9.
Knife, Slicing. H. M. Gustafson. 2,453,220, Nov. 9.
Knit fabric with gathers therein. B. Sapin. 2,453,542, Nov. 9.
Lamp box type direction signal. G. Dyer. 2,453,421, Nov. 9.
Lamp shade holder. P. Chilo. 2,453,658, Nov. 9.
Lawn hose and water nozzle support, Combination. E. J. Much. 2,453,248, Nov. 9.
Lawn mower. E. W. Petri and F. H. Seeley. 2,453,587, Nov. 9.
Lens grinding machine. G. E. Bonin. 2,453,300, Nov. 9.
Light: *See*—
Automobile trouble light.
Light polarising headlight lamination. H. O. Buzzell. 2,453,194, Nov. 9.
Lignin residues, Treating. E. Farber. 2,453,213, Nov. 9.
Lime product and making the same, Hydrated. L. J. Minnick. 2,453,637, Nov. 9.
Line deicer, Electric. C. H. Clement. 2,453,361, Nov. 9.
Liner plate for jaw crushers. A. J. Roubal. 2,453,596, Nov. 9.
Lipstick container. C. Nehrke. 2,453,250, Nov. 9.
Liquid treatment of yarn, thread, and the like, Method and apparatus for. W. H. Furness. 2,453,366, Nov. 9.
Loader attachment for tractors, Shovel. W. V. Warren. 2,453,649, Nov. 9.
Locating and locking mechanism for machine-tool turrets. M. S. Curtis. 2,453,120, Nov. 9.
Lock: *See*—
Safety door lock.
Locking device. F. D. Moyer. 2,453,154, Nov. 9.
Locking device for automobiles and the like, Theft-preventing. A. Lazarus. 2,453,236, Nov. 9.
Logging device, Radioactivity. R. E. Hartline. 2,453,318, Nov. 9.

Loom: *See*—
Tape loom.
Loud-speaker, Superimposed duplex. J. F. Marquis. 2,453,521, Nov. 9.
Lubricating system, Engine. J. F. Strickler, Jr., and S. K. Edelson. 2,453,602, Nov. 9.
Machine core surface treatment, Dynamoelectric. R. T. Reardon. 2,453,539, Nov. 9.
Magnesium base lithium alloys. A. C. Loonam. 2,453,444, Nov. 9.
Magnifier and telephone dialing implement, Combined. M. E. Savoie. 2,453,272, Nov. 9.
Mandrel, Internal. H. C. Myers. 2,453,531, Nov. 9.
Marking device. J. S. Cushman. 2,453,201, Nov. 9.
Measuring apparatus, Microwave power. J. W. Tiley and D. E. Sunstein. 2,453,283, Nov. 9.
Measuring the velocity and volume of fluids. F. H. Lagasse. 2,453,376, Nov. 9.
Measuring valve mechanism. L. R. Tansley. 2,453,553, Nov. 9.
Meat tenderizer. F. H. Morgan. 2,453,334, Nov. 9.
Metal teeming. W. E. Schmertz. 2,453,643, Nov. 9.
Meter: *See*—
Field intensity meter.
Microwave energy measuring apparatus, Electrostatic. L. E. Norton. 2,453,532–3, Nov. 9.
Microwave power measuring apparatus. J. W. Tiley. 2,453,645, Nov. 9.
Milling attachment for lathes. J. C. Harbison. 2,453,315, Nov. 9.
Mixer: *See*—
Tilting bowl concrete mixer.
Moisture impervious vent. H. W. Bryant. 2,453,192, Nov. 9.
Morpholine salts of sulfonated azo dye components and their preparation. H. G. Greig. 2,453,430, Nov. 9.
Motor: *See*—
Electric motor. Vane type hydraulic motor.
Mounting attachment for electrical outlet boxes. C. W. Pallas. 2,453,535, Nov. 9.
Mounting for rotary switches, Butt contact. H. E. Schleicher. 2,453,161, Nov. 9.
Nicotinonitrile into nicotinamide, Converting. J. F. Couch and C. F. Krewson. 2,453,496, Nov. 9.
Nonskid tire chain. W. F. Karstens. 2,453,325, Nov. 9.
Nozzle arrangement for combustion chambers of jet propulsion apparatus, Liquid-cooled. I. Lubbock. 2,453,378, Nov. 9.
Oil filter cartridge, Repackable adjustable. C. M. Bolserr. 2,453,405, Nov. 9.
Oil system for engines, Scavenging. D. Gregg and H. T. Ramsey. 2,453,217, Nov. 9.
1,3-Diketones. A. C. Byrns. 2,453,619, Nov. 9.
Operating mechanism, Intermittent. J. Erwood. 2,453,123, Nov. 9.
Optical element cemented with a polyester of fumaric acid, Compound. E. L. Kropa. 2,453,665, Nov. 9.
Optical element cemented with a polyester of maleic acid, Compound. E. L. Kropa. 2,453,666, Nov. 9.
Organic acids, Purification of. O. L. Polly. 2,453,588, Nov. 9.
Organic titanium compound and making same. C. M. Langkammerer. 2,453,520, Nov. 9.
Oscillator, Ultra high frequency. I. M. Bruntil and E. F. Reihman. 2,453,489, Nov. 9.
Oscillator, Variable frequency relaxation. A. H. Dickinson. 2,453,203, Nov. 9.
Outdoor card game board. S. Zirin. 2,453,292, Nov. 9.
Patterning mechanism of flat single bed knitting machines. G. Huber. 2,453,629, Nov. 9.
Pen, Fountain. C. J. Cardin. 2,453,491, Nov. 9.
Perfluoroadipic acid. E. T. McBee and P. A. Wiseman. 2,453,146, Nov. 9.
Periscope lens system. W. D. Orser. 2,453,336, Nov. 9.
Phenyl- and phenylalkylaminomethylenephenaceturates. A. W. Weston. 2,453,478, Nov. 9.
Photographic development by ferrous alkaline solutions. T. H. James. 2,453,323, Nov. 9.
Picture hanger. T. F. Smith. 2,453,467, Nov. 9.
Piezoelectric crystal apparatus. H. Havstad. 2,453,435, Nov. 9.
Pipe coupling. S. Guarnaschelli. 2,453,127, Nov. 9.
Pipe joint. E. Gordon. 2,453,428, Nov. 9.
Piston pump. H. W. Rockwell. 2,453,266, Nov. 9.
Piston rings, Making split. L. C. Marshall. 2,453,330, Nov. 9.
Plug and socket connection, Electric. J. Lund. 2,453,579, Nov. 9.
Plug for closing openings in ice containers of refrigerator cars, Hatch. E. R. Battley and G. E. McCoy. 2,453,294, Nov. 9.
Pocket square, Manual. F. Shelby. 2,453,276, Nov. 9.
Polarizer, Multiply angle selective. A. M. Marks. 2,453,379, Nov. 9.
Polyesters of dimethylene d-gluconic acid. C. L. Mehltretter. 2,453,150, Nov. 9.
Polylactylic acid resins and making them. P. D. Watson. 2,453,559, Nov. 9.
Polyvinyl acetal resin, Plasticized. M. O. Debacher. 2,453,569–70, Nov. 9.
Polyvinyl butyral composition. R. D. Dunlop. 2,453,308, Nov. 9.
Power distribution system of the bus bar duct type. H. J. Hammerly. 2,453,314, Nov. 9.
Power operating mechanism for typewriting machines. R. von Reppert. 2,453,287, Nov. 9.
Preparing and coking bituminous coal. E. J. Schabelitz. 2,453,544, Nov. 9.
Preparing and packing menhaden for marketing. G. T. Harrison. 2,453,625, Nov. 9.
Preserving caustic soda from contamination in metal containers. J. L. Switzer and J. C. Michalek. 2,453,471, Nov. 9.
Pressure controlled self-closing valve. J. F. Molloy. 2,453,450, Nov. 9.
Printing ink. A. Voet. 2,453,558, Nov. 9.
Printing telegraph system. H. O. Rugh. 2,453,269, Nov. 9.
Producing colloidal fuel. C. S. Reed. 2,453,641, Nov. 9.
Projectile. G. A. Miller, Jr. 2,453,151, Nov. 9.
Projection instrument for rectifying oblique photographs. N. H. Juran. 2,453,134, Nov. 9.
Prosthetic articles, Making. A. and M. Tenenbaum. 2,453,604, Nov. 9.
Protecting attachment for hair driers. M. S. Fears. 2,453,364, Nov. 9.
Pump: *See*—
Constant pressure pump. Rotary alternating piston pump.
Piston pump. Rodless pump.
Quickly detachable coupling. H. V. Williamson and R. H. Griesemer. 2,453,480, Nov. 9.
Racing game and puzzle. R. M. Wetzel. 2,453,290, Nov. 9.
Rack and pinion gear means. E. P. Bullard. 2,453,656, Nov. 9.
Radio frequency inductance, Composite. J. W. Mann and G. F. Russell. 2,453,241, Nov. 9.
Radio ground clearance indicator. R. H. Varian. 2,453,169, Nov. 9.
Railroad locomotive, Electromechanical. F. B. Yingling. 2,453,483, Nov. 9.
Railroad tie. C. C. Jones. 2,453,132, Nov. 9.
Railway freight car construction. A. E. Jaeckle. 2,453,322, Nov. 9.
Razorstrop holder and heater, Combination. W. V. Kommer. 2,453,519, Nov. 9.
Reaction of biguanide and ethylene sulfide. L. P. Moore and W. P. Ericks. 2,453,333, Nov. 9.
Refrigerating system. A. B. Hubbard. 2,453,131, Nov. 9.
Refuse incinerator with dumping grate. A. C. Waterman. 2,453,289, Nov. 9.
Regulator. H. A. Alexanderson. 2,453,653, Nov. 9.
Regulator system. H. Ziebolz. 2,453,563, Nov. 9.
Relasting machine. C. E. Johnson. 2,453,228, Nov. 9.
Release mechanism, Tow. H. P. Kleinkort. 2,453,139, Nov. 9.
Remote control system. J. J. Root. 2,453,386, Nov. 9.
Remote control system. C. H. Wright, G. A. Chadwick, and P. W. Burk. 2,453,173, Nov. 9.
Removing fats from rutin extracts. J. F. Couch and C. F. Krewson. 2,453,305, Nov. 9.
Resins made by condensing a sulfophthalein and formaldehyde, Cation-exchange. S. P. Rowland. 2,453,687, Nov. 9.
Restraining mechanism for free-piston units. A. Kalitinsky. 2,453,515, Nov. 9.
Resuscitation apparatus. C. A. Tobias. 2,453,475, Nov. 9.
Retainer for hand trucks, Load. J. T. Frederick. 2,453,427, Nov. 9.
Retainer for pneumatic hammers, Chisel. W. H. Peck. 2,453,536, Nov. 9.
Retainer, Matrix. D. Reiter. 2,453,541, Nov. 9.
Retainer strip. M. J. Reilly. 2,453,343, Nov. 9.
Rheostat, Multiple element. J. K. Sellers. 2,453,462, Nov. 9.
Ring: *See*—
Barrel closing ring. Film spool guide ring.
Rockable shelf bracket. F. W. Odin. 2,453,254, Nov. 9.
Rod: *See*—
Antiparaffin sucker rod.
Rodless pump. R. C. Ferguson. 2,453,365, Nov. 9.
Roof for railway freight cars. T. Despotakis. 2,453,307, Nov. 9.
Rotary alternating pistons pump. F. J. Sales. 2,453,271, Nov. 9.
Rotary pump or rotary compressor. A. K. G. B. Törnborg. 2,453,284, Nov. 9.
Rowboat shelter, Detachable. W. D. Ellsworth. 2,453,422, Nov. 9.
Row-crop carryall. E. H. and R. A. Spiegl. 2,453,348, Nov. 9.
Safety device for time fuses, Bore. R. H. Whitehead. 2,453,682, Nov. 9.
Safety door lock. L. J. Fornwald. 2,453,505, Nov. 9.
Safety for firearms. A. W. Caldow. 2,453,683, Nov. 9.
Sanitary filter. D. R. Babbitt. 2,453,613, Nov. 9.
Saw reconditioning rig, Circular. A. B. Nietfeld. 2,453,638, Nov. 9.
Scraping tool for meat blocks, Power actuated rotary. E. B. Hobson. 2,453,371, Nov. 9.
Screeding and compacting machine for concrete slabs and the like. C. Jackson. 2,453,510, Nov. 9.
Seal for centrifugal pumps. D. Murphy. 2,453,249, Nov. 9.
Seal for selenium rectifier cells, Mechanical. S. Blumenthal. 2,453,618, Nov. 9.

Seal, Motion. H. S. Jones and W. B. M. Clark. 2,453,324, Nov. 9.
Sealing and potting composition consisting of tri (p-tertiary butyl phenyl) phosphate and coumarone-indene resin. H. W. Wright, Jr. 2,453,174, Nov. 9.
Sealing device. J. J Serowy. 2,453,274, Nov. 9.
Sealing device, Pressure. J. Fletcher and E. C. Huge. 2,453,124, Nov. 9.
Sealing means for traveling grate stokers. R. L. Beers. 2,453,487, Nov. 9.
Seamer, Double. E. V. Crane and K. Kuhn. 2,453,200, Nov. 9.
Secret telegraph signaling. H. J. J. M. de Regnauld de Bellescize. 2,453,659, Nov. 9.
Self-rotating kingpin thrust bearing. J. B. Wilford. 2,453,291, Nov. 9.
Self-sealing pipe coupling. P. E. Thomas. 2,453,389, Nov. 9.
Self-serving table. E. Logan. 2,453,443, Nov. 9.
Separator: *See*—
  Horizontal liquid current separator.
Servomotor. C. A. Neracher and W. T. Dunn. 2,453,156, Nov. 9.
Sewing machine. N. V. Christensen. 2,453,119, Nov. 9.
Shearing machine. V. B and K. E. Graham. 2,453,216, Nov. 9.
Sheave block with self-locking track slide. R. Y. Barkley. 2,453,357, Nov. 9.
Sheet brushing apparatus. R. O. Peterson. 2,453,339, Nov. 9.
Shield box and tuning mechanism for electron tubes. F. H. McCall and P. Devreotes. 2,453,148, Nov. 9.
Shield, Separator. R. K. Whitehead. 2,453,353, Nov. 9.
Shoe with rubber sole, Spring steel. W. J. Sprong. 2,453,468, Nov. 9.
Shutter mechanism. A. J. Bachelder and O. E. Wolff. 2,453,180, Nov. 9.
Shutter releases for power-driven motion-picture cameras, Multiple and individual. M. E. Brown and N. F. Lehr. 2,453,301, Nov. 9,
Signal: *See*—
  Lamp box type direction signal.
Signal recording, Electrolytic. C. J. Young. 2,453,484, Nov. 9.
Slider for slide fasteners. O. Firing. 2,453,660, Nov. 9.
Snap lock device, Free-opening, nonclosing. W. H. Bloomberg. 2,453,299, Nov. 9.
Sock stretcher, Adjustable. S. Bersudsky. 2,453,183, Nov. 9.
Spectrograph, Plural grating. P. F. Swings. 2,453,164, Nov. 9.
Spindle bearing for machine tools. A. Bechler. 2,453,182, Nov. 9.
Spoon and lid for containers, Combined. R. C. Wilson. 2,453,393, Nov. 9.
Spoon, Medicine administering. A. G. McNeill. 2,453,525, Nov. 9.
Sprag. I. J. Gruenberg. 2,453,506, Nov. 9.
Spray controlling means, Lard. R. M. Mero. 2,453,527, Nov. 9.
Spray operating mechanism. A. D. Goodwin. 2,453,368, Nov. 9.
Stabilization of photographic prints with thiophenols. H. D. Russell. 2,453,347, Nov. 9.
Stabilization of processed photographic emulsions of high temperatures and humidities. H. D. Russell. 2,453,346, Nov. 9.
Stabilizing iron. C. W. Werner. 2,453,390, Nov. 9.
Starting system for free piston units. K. C. Cooper. 2,453,495, Nov. 9.
Steel tape holder. C. A. Brown. 2,453,115, Nov. 9.
Steering means for vehicles. L. Dufour. 2,453,417, Nov. 9.
Stoker. C. E. Shaffer. 2,453,162, Nov. 9.
Stop motion, Whip roll. P. Matweeff. 2,453,145, Nov. 9.
Storm window and screen combination. G. Merryweather. 2,453,528, Nov. 9.
Stove flue cover. C. H. Thieman. 2,453,473, Nov. 9.
Stove, Oil burning tobacco curing. O. K. Kistrell. 2,453,233, Nov. 9.
Straining or filtering apparatus for liquids. L. W. English. 2,453,622, Nov. 9.
Stripping yarn packages, Method and apparatus for. C. C. Sumner. 2,453,603, Nov. 9.
Sugar-bearing product and making. R. Lee. 2,453,142, Nov. 9.
Suitcase, Wardrobe. J. Hinson. 2,453,663, Nov. 9.
Sulfa preparation for animal mastitis. D. G. Perkins. 2,453,259, Nov. 9.
Support: *See*—
  Folding camera support.
Support for golf bags. W. A. Barden. 2,453,565, Nov. 9.
Treatment of metals, Surface. D. A. Gorman, Sr. 2,453,429, Nov. 9.
Surgical brace. H. G. Hittenberger. 2,453,370, Nov. 9.
Suspension device, Pot. I. Bogut. 2,453,189, Nov. 9.
Switch: *See*—
  Electric switch.
  Electrical switch.
  Time switch.
  Welding line reel switch.
Switching device, Electromagnetic. P. F. Rossmann. 2,453,267, Nov. 9.
Synchronizer for shutter blade and cover blind type shutters, Built-in flash. M. R. Hutchison, Jr. 2,453,321, Nov. 9.
Synthesis of organic compounds. W. G. Lovell, M. J. Mulligan, and H. K. Lichtenwalner. 2,453,144, Nov. 9.
Synthetic resins and preparation thereof by reacting an alkyl benzene, a phenolic compound, and a dihaloalkane. H. S. Bloch. 2,453,298, Nov. 9.
Syringe and ampoule therefor, Hypodermic. N. J. Poux. 2,453,589, Nov. 9.
Syringe, Hypodermic. N. J. Poux. 2,453,590–91, Nov. 9.
System for directing radio waves. H. B. De Vore. 2,453,414, Nov. 9.
System of generator regulation. W. J. Rady. 2,453,341, Nov. 9.
Table: *See*—
  Self-serving table.
Tailgate for highway vehicles. J. J. Black. 2,453,617, Nov. 9.
Taking off power from the drive transmission of motor vehicles. J. C. Haefell. 2,453,685, Nov. 9.
Tape applying machine for use in the manufacture of shoes. H. D. Elliott. 2,453,212, Nov. 9.
Tape loom. R. J. Bartholomew. 2,453,181, Nov. 9.
Telemetric system. H. T. Hoffman. 2,453,686, Nov. 9.
Tennis ball. L. S. M. Lejeune. 2,453,143, Nov. 9.
Tester, Spot weld. F. B. Jacob. 2,453,576, Nov. 9.
Testing device, Meter. A. E. Booth. 2,453,191, Nov. 9.
Tetraalkyl thiuram monosulfide, Manufacture of. W. A. Robshaw. 2,453,460, Nov. 9.
Three element objective lens. K. Pestrecov. 2,453,260, Nov. 9.
Throttle control for aircraft engines. H. A. Alexanderson. 2,453,652, Nov. 9.
Throttle control for the primary and secondary charges of engines. R. Lozivit. 2,453,377, Nov. 9.
Tie for concrete wall forms. W. D. Harder. 2,453,434, Nov. 9.
Tilting bowl concrete mixer. W. Muller. 2,453,583, Nov. 9.
Time fuse. R. H. Whitehead. 2,453,479, Nov. 9.
Time switch. A. K. Burns. 2,453,195, Nov. 9.
Timer, Electronic. J. Ball. 2,453,486, Nov. 9.
Timing of fuel injection systems. D. E. Meitzler. 2,453,526, Nov. 9.
Tinsel wire connector. M. D. Bergan. 2,453,615, Nov. 9.
Tire antiskid mechanism. R. C. Scott. 2,453,273, Nov. 9.
Tongs, Pipe. D. B. Grable and John M. Jackson. 2,453,369, Nov. 9.
Tool: *See*—
  Denture repair tool.
  Hand beading tool.
Toolholder. H. M. Sheridan. 2,453,464, Nov. 9.
Topography plotting device. B. C. Peters. 2,453,261, Nov. 9.
Totalizing mechanism. F. Q. Rast. 2,453,342, Nov. 9.
Tow bar clamp. H. Katz. 2,453,230, Nov. 9.
Toy, display device, and the like. G. M. Tomlin and H. Burrows. 2,453,646, Nov. 9.
Toy, Wheeled figure. E. Stapan. 2,453,469, Nov. 9.
Trailer construction. A. G. Schramm. 2,453,388, Nov. 9.
Transducing system, Sound-to-image. G. L. Dimmick. 2,453,502, Nov. 9.
Transformer winding. G. F. Stearn. 2,453,552, Nov. 9.
Transmission. R. W. Hautzenroeder. 2,453,128, Nov. 9.
Transmission mechanism, Variable-speed. P. Kemeny. 2,453,517, Nov. 9.
Transmission, Variable-speed. C. Krispis. 2,453,577, Nov. 9.
Transportation load and preparing the same. D. F. Hedges. 2,453,626, Nov. 9.
Treating bituminous coal. E. J. Schabelitz. 2,453,543, Nov. 9.
Treating yarn. F. R. Millhiser. 2,453,332, Nov. 9.
Trimming mechanism for grinder wheels. R. W. Dickieson. 2,453,501, Nov. 9.
Truck, Milk can. K. E. Mokanes. 2,453,246, Nov. 9.
Tube-forming machine. E. R. Phillips. 2,453,537, Nov. 9.
Tube holding device. C. E. Hollyday, Jr. 2,453,319, Nov. 9.
Tube perforating machine. H. F. Temple. 2,453,681, Nov. 9.
Tubing connections. D. J. Whittingham. 2,453,391, Nov. 9.
Tubing for transportation, Preparing. I. D. Thornburgh. 2,453,165, Nov. 9.
Tuner, Motor-operated push button. W. E. Newman. 2,453,251, Nov. 9.
Tuner, Radio receiver sequence. A. Blain. 2,453,187, Nov. 9.
Tuning coil, Broad band variable. S. I. Weiss. 2,453,477, Nov. 9.
Tuning of stringed instruments, Varying the. D. J. Ferrier. 2,453,572, Nov. 9.
Turbine construction. C. R. Soderberg and J. A. Clark. 2,453,547, Nov. 9.
2-Substituted-3,4-diamino-furan urethans and derivatives thereof. K. Hofmann. 2,453,627, Nov. 9.
Umbrella rib clip and pocket. R. A. Russell. 2,453,270, Nov. 9.
Undergarment, Lady's. M. K. Janin. 2,453,372, Nov. 9.
Unhairing machine. J. T. Kagel, Sr. 2,453,229, Nov. 9.
Universal joint. E. A. Starbuck. 2,453,279, Nov. 9.

Ureylenethiophane carboxylic acids and esters and methods of preparing same. B. R. Baker. 2,453,564, Nov. 9.
Utensil, Culinary. W. C. P. Zabel and R. C. Helfenbein. 2,453,354, Nov. 9.
V-belt drive pulley. A. F. Lusk. 2,453,580, Nov. 9.
Vacuum breaker. C. R. Flint. 2,453,125, Nov. 9.
Vacuum treatment of milk powder. H. Shipstead. 2,453,277, Nov. 9.
Valve: *See*—
  Pressure controlled self-closing valve.
Valve actuation for oscillating cylinder expansible chamber motors. A. N. Pigg. 2,453,640, Nov. 9.
Valve cooling means for internal-combustion engines. A. F. W. Helmbold. 2,453,508, Nov. 9.
Valve structure. J. H. De Frees. 2,453,413, Nov. 9.
Vane type hydraulic motor. J. K. Douglas. 2,453,309, Nov. 9.
Vaporizer. C. Persak. 2,453,455, Nov. 9.
Vehicle construction. A. R. Cunningham. 2,453,499–500. Nov. 9.
Vehicle lighting system. H. N. Dimick. 2,453,415, Nov. 9.
Vehicle suspension. L. R. Buckendale. 2,453,116–17, Nov. 9.
Vehicle undercarriage, Steerable. J. Fedevich. 2,453,311, Nov. 9.
Vehicle wheel. E. R. Jacobi. 2,453,512, Nov. 9.
Vending machine, Coin controlled. W. M. Stewart. 2,453,280, Nov. 9.
Vibrator power supply. R. J. Aust. 2,453,612, Nov. 9.
Vinyl carboxylate polymerization using a thiourea stopper. H. W. Bryant. 2,453,655, Nov. 9.
Voltage regulation. J. A. Potter. 2,453,263, Nov. 9.
Voltage regulator system. F. L. Moseley. 2,453,451, Nov. 9.
Washing machine. C. D. Cathey and J. E. Miller. 2,453,620, Nov. 9.
Washing machine, Produce. L. H., L. H., Jr., and J. D. Platt. 2,453,457, Nov. 9.
Watch bezel. L. Berstell. 2,453,616, Nov. 9.
Wave filter for pneumatic hand tools, Acoustical. G. V. A. Malmros. 2,453,240, Nov. 9.
Welding apparatus, Electric. W. S. Horth. 2,453,438, Nov. 9.
Welding electrode holder. E. W. Huebner. 2,453,320, Nov. 9.
Welding line reel switch. J. D. Burns. 2,453,407, Nov. 9.
Wheel: *See*—
  Vehicle wheel.
Wheel traction device. S. Freed. 2,453,426, Nov. 9.
Windbreaker for parked aircraft. C. E. Bogardus. 2,453,403, Nov. 9.
Windor air vane device. J. Wolff. 2,453,561, Nov. 9.
Windrower for balers, Automatic. H. L. Renken. 2,453,384, Nov. 9.
Wire stitching feed. J. N. Pagliarul. 2,453,337, Nov. 9.
Wood pipe, Producing. L. T. Mart. 2,453,522, Nov. 9.
Wringer and wash tubs unit. D. J. Porreca. 2,453,340, Nov. 9.
X-ray apparatus and procedure. W. A. Shurcliff. 2,453,163, Nov. 9.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 9, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,453,109:	99—186	2,453,197:	97—31	2,453,328:	123—117	2,453,393:	229—7	2,453,453:	332—27
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CLASSIFICATION OF DESIGNS

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NOTICES

Notice of Tentative Recordation of Trade Name

[T. D. 52068]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT

OFFICE OF THE COMMISSIONER OF CUSTOMS

Washington, D. C., Oct. 18, 1948

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"STERLING POLISH COMPANY," owned by Sterling Polish Company, Ltd., a corporation of Denmark, Stolpegaardavej 113, Copenhagen, Denmark, which is used in connection with the manufacture and sale of cleansing material and polish for precious metal, the merchandise being manufactured in Copenhagen, Denmark.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after November 2, 1948. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

(Signed) FRANK DOW,
Acting Commissioner of Customs.

Adjudicated Patents

(D. C. Calif.) Flosdorf, Westin, and Stokes patent. No. 2,345,548, for biological apparatus container and method, claims 4 and 5 *Held* valid and infringed. *Lyophile-Cryochem Corp.* v. *Cutter Laboratories*, 78 F. Supp. 905; 79 USPQ 1.

(D. C. Calif.) Barr patent, No. 2,353,986, for preservation, *Held* invalid. *Id.*

(D. C. Calif.) Reichel, Reissue Patent No. 20,969, for lyophilic biologically active substances and process of producing the same, claims 6 and 11 to 13 *Held* valid and infringed. *Id.*

Disclaimers

2,406,494.—*Donald K. Ferris*, Dayton, Ohio. DOMESTIC APPLIANCE. Patent dated Aug. 27, 1946. Disclaimer filed Sept. 29, 1948, by the inventor; the assignee, *General Motors Corporation*, consenting and affirming.

Hereby enters this disclaimer to claim 4 of said patent.

2,410,536.—*Anton Vonnegut*, Indianapolis, Ind. EXPANSIBLE WHEEL. Patent dated Nov. 5, 1946. Disclaimer filed Oct. 11, 1948, by the assignee, *Vonnegut Moulder Corporation.*

Hereby enters this disclaimer to that part of claim 2 in said specification which is in the following words, to wit:

"A series of truncated rim forming sections" other than wherein said rim forming sections are wedge-shaped with their major defining faces extending at an angle to each other, and

"Means for slidably supporting said sections upon said mounting" other than wherein said sections slide upon said mounting, and said means is of a rigid character and not flexible or yielding.

2,272,965.—*John C. Crowley*, Cleveland Heights, Ohio. VULCANIZER CLAMP. Patent dated Feb. 10, 1942. Disclaimer filed Oct. 16, 1948, by the assignee, *The Dill Manufacturing Company.*

Hereby enters this disclaimer to claim 1 of said patent.

Cancellation Notices

Refrigeration Corporation of Maryland, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Refrigeration Engineering, Inc., 7250 E. Slauson Ave., Los Angeles, Calif., to effect the cancellation of trade-mark registration of Refrigeration Corporation of Maryland, Garrison Blvd. at Western Maryland R. R., Baltimore, Md., No. 283,095, dated July 14, 1931, and the notice of such proceeding sent by registered mail to the said Refrigeration Corporation of Maryland at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Refrigeration Corporation of Maryland, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Oct. 7, 1948. *Assistant Commissioner of Patents.*

Robert H. Sommers, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Nopco Chemical Company, First and Essex Sts., Harrison, N. J., to effect the cancellation of trade-mark registration of Robert H. Sommers, 600 Diversey Blvd., Rienzi Hotel, Chicago, Ill., No. 262,738, dated October 22, 1929, and the notice of such proceeding sent by registered mail to the said Robert H. Sommers at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Robert H. Sommers, his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Oct. 7, 1948. *Assistant Commissioner of Patents.*

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REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 11,191 through 11,416) are in Schedule 1, Group 28.

Detailed information concerning specific abstracts should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 1

Patents Relating to Ammonia Synthesis, Apparatus for High Pressure Exothermic Reactions, Ammonia Cracking, Catalysts

Pat. 1,893,492. Process and Apparatus for Catalytic Gaseous Reactions. Jan. 10, 1933. Initiating a catalytic exothermic gaseous reaction by means of a priming catalyst adapted to catalyze an exothermic reaction of the gases at a relatively low temperature.

Pat. 1,909,442. Process for Catalytic Synthesis. May 16, 1933. Successively contacting a mixture of gaseous reactants with hot catalyst, adding make-up gas to the hot gases, contacting the resultant gaseous mixture with a purifier material, removing reaction products from the gases and contacting the latter with a catalyst for the desired gaseous reaction.

Pat. 1,915,120. Apparatus for Decomposing Ammonia. June 20, 1933. Apparatus for cracking ammonia comprising a tubular casing and a plurality of concentric tubes fixed thereto to form annular chambers containing ammonia cracking catalysts and surrounding an inner electrically heated chamber.

Pat. 1,962,301. Process for Carrying Out Exothermic Catalytic Chemical Reactions. June 12, 1934. Process for effecting catalytic gaseous reactions by passing a stream of gases around and in heat exchange relation to a catalyst, and thereafter passing separate portions of the said stream independently into contact with the catalyst while controlling the reaction by regulating the relative size of the said portions of the gaseous stream.

Pat. 1,988,781. Process for Preparing a Mixture of Nitrogen and Hydrogen. Jan. 22, 1935. Cracking ammonia to nitrogen and hydrogen while utilizing the heat evolved to vaporize subsequent portions of liquid anhydrous ammonia.

Pat. 2,017,428. Protection of Metal Surfaces. Oct. 15, 1935. Protecting metallic surfaces subject to attack by hot gaseous ammonia by covering the said surfaces with an ammonia decomposing catalyst.

Pat. 1,912,877. Gas Purification. June 6, 1933. Removing carbon dioxide from a gaseous mixture containing the same by contacting the mixture at a temperature of about 100° to 310° C. with manganese oxide.

Pat. 1,923,656. Heat Recovery System. Aug. 22, 1933. Recovery of heat from gases containing water vapors by compressing the gas in two stages, the first stage prior to humidification and the second stage between humidification and dehumidification.

Pat. 1,938,202. Hydrogen Production. Dec. 5, 1933. Subjecting a mixture of steam and methane to the combined action of a methane conversion catalyst and lime at a temperature below about 550° C.

Pat. 1,959,151. Method of Effecting Chemical Reactions at Elevated Temperatures. May 15, 1934. Effecting reaction between steam and a hydrocarbon by supplying heat to the mixture by continuously burning fuel gas in heat exchange relation to, but out of direct contact with the steam and hydrocarbon, and thereafter removing residual heat from the combustion products by heat exchange with water, thereby generating steam and using the said steam in the steam-hydrocarbon reaction.

Pat. 1,959,189. Process for the Preparation of Catalysts. May 15, 1934. Preparation of hydrogen by reacting a hydrocarbon with steam in the presence of a nickel catalyst which has been prepared from a precipitated nickel salt.

Pat. 1,959,313. Process for the Preparation of Catalysts. May 15, 1934. Preparation of catalysts for the reaction between steam and carbon monoxide to produce hydrogen by precipitating compounds of the metals from solution, washing the precipitate, dissolving the washed precipitate, reprecipitating the compounds, washing the resulting precipitate, and thereafter preparing a catalyst in the usual manner.

Pat. 1,960,886. Process for the Preparation of Hydrogen. May 29, 1934. Manufacture of hydrogen by subjecting methane and steam together with the vapors resulting from the methane conversion reaction at a high velocity successively at a temperature of 550° for methane conversion, thence to a carbon monoxide conversion stage, and finally to a carbon dioxide adsorption stage, whereby the methane conversion reaction is substantially continuously displaced.

Pat. 1,960,912. Process for the Preparation of Hydrogen. May 29, 1934. The process of preparing hydrogen from a hydrocarbon and steam which comprises increasing the temperature of the gases after they have undergone partial conversion by adding oxygen thereto and supplying heat to the gases undergoing conversion by heat exchange thereof with the thus heated gases.

Pat. 1,968,063. Process for the Preparation of Hydrogen. July 31, 1934. Producing a methane-steam conversion catalyst by reducing a metal compound in the presence of a reducing gas under a pressure greater than atmospheric.

Pat. 1,984,463. Separation of Gaseous Mixture. Dec. 18, 1934. Separating hydrogen from coal gas by passing coal gas in heat exchange relation with cold, liquefied constituents thereof other than hydrogen, allowing the cooled gas to expand and to thus produce work, and thereafter passing the expanded gas into contact with liquid nitrogen under pressure.

Pat. 1,988,759. Heat Recovery System. Jan. 22, 1935. In a carbon monoxide-steam conversion process employing humidification, dehumidification and elevated pressure, the step which comprises circulating through the humidification and dehumidification stages about 800 to 1900 pounds of water per 1,000 cubic feet of dry gas leaving the converter.

Pat. 2,051,363. Process for the Preparation of Hydrogen. Aug. 18, 1936. Preparation of hydrogen by subjecting a carbon gas in the presence of an oxygen-containing gas to combustion, the gases prior to combustion serving as insulators for the combustion chamber, the oxygen containing gas prior to combustion being in proximity to and substantially surrounding the combustion reaction and the hydrocarbon containing gas substantially surrounding both the combustion reaction and the oxygen containing gas.

Pat. 2,064,867. Process of Producing Hydrogen. Dec. 22, 1936. Producing hydrogen by reaction between steam and a hydrocarbon in the presence of a catalyst of the iron group, said catalyst having been primarily reduced by a gaseous mixture of hydrogen and carbon monoxide obtained by catalytic decomposition of methanol.

Pat. 2,075,976. Prevention of Corrosion. Apr. 6, 1937. Removing carbon dioxide, sulfur compounds and other impurities from gaseous mixtures by scrubbing with water containing hydrolyzed casein as an inhibitor for reducing corrosion of ferrous metal parts.

Pat. 2,119,565. Process of Producing Hydrogen. June 7, 1938. Manufacture of hydrogen by passing steam and a hydrocarbon at a temperature below 700° C. over a catalyst combined with a promoter therefor.

Pat. 2,119,566. Process of Producing Hydrogen. June 7, 1938. Manufacture of hydrogen by passing steam and a hydrocarbon over a catalyst containing nickel and an oxide of boron or yttrium at a temperature below 700° C.

Patents Relating to Alcohol Synthesis

Pat. 1,908,484. Process for the Preparation of Catalysts. May 9, 1933. Preparing a methanol catalyst by mixing a solution of hexavalent chromium compound with a soluble hydroxide and a salt of a heavy metal whose hydroxide is oxidizable by the hexavalent chromium.

Pat. 1,939,708. Catalysts for the Production of Methanol and Other Carbon Compounds. Dec. 19, 1933. A fused mixture of copper oxide, manganese oxide and an oxide of one of the elements of the group magnesium, aluminum and silicon, as a methanol catalyst.

Pat. 1,942,021. Apparatus for Carrying Out Exothermic Chemical Reactions. Jan. 2, 1934. An apparatus for effecting catalytic gaseous reactions comprising a catalyst container having the exterior wall helically grooved, said container being removably fitted within a shell so as to form a helical gas passage communicating at one end of the catalyst container with a gas inlet and at the other end with the interior of the catalyst chamber.

Pat. 1,979,303. Processing Alcohols. Nov. 6, 1934. Removal of color from HTP alcohols by means of an alkali metal as a decolorizing agent.

Pat. 1,984,884. Process for Producing Oxygenated Organic Compounds. Dec. 18, 1934. Hydrogenation of oxides of carbon in a 3-component system, catalyst being difficultly reducible acidic and basic metal oxides at least partly chemically combined.

Pat. 2,051,774. Conversion Process and Apparatus for Catalytic Chemical Reactions. Aug. 18, 1936. A converter comprising a shell containing heating and reaction chambers, a structural member within the shell removably mountable therefrom, an extended wall providing one wall of the heating and reaction chambers within the converter positioned on the structural member, the wall enclosing a space which permits interconnection by passages of the heating and reaction chambers in substantially all possible ways without interfering with the positions of the heating and reaction chambers.

Pat. 2,061,470. Production of Methanol and Other Carbon Compounds and Catalytic Agents for Use Therein. Nov. 17, 1936. Methanol catalyst comprising the reaction product of a fused mixture containing 1 to 5% of an oxide of an element of the group consisting of chromium, vanadium, zirconium, aluminum, magnesium, titanium, thorium, silicon and cerium and from 97 to 95% of copper oxide, and manganese oxide.

Pat. 2,076,607. Process for Color Removal. Apr. 13, 1937. Removal of color and aldehyde from the substantially alcohol-free ketone-aldehyde-hydrocarbon containing mixture boiling at about 75° to 230° C. obtained by hydrogenation of oxides of carbon by treating the mixture with metallic lithium.

Patents Relating to Fertilizers

Pat. 1,909,606. Mineral Conversion. May 16, 1933. Reacting polyhalite with ammonia, carbon dioxide and water to produce potassium and ammonium sulfates and calcium and magnesium carbonates.

Pat. 1,948,454. Fertilizer Manufacture. Feb. 20, 1934. Producing a fertilizer by treating a superphosphate with anhydrous ammonia to the extent of substantially 4% nitrogen incorporation and thereafter treating the mixture with aqua ammonia.

Pat. 2,102,830. Fertilizer Manufacture. Dec. 21, 1937. Liquid nitrifying agent containing formamide, ammonia, urea, and a relatively small quantity of water.

Pat. 2,102,831. Fertilizer Manufacture. Dec. 21, 1937. Nitrifying liquid containing formamide, ammonia, a relatively small quantity of water soluble salt from the group consisting of alkali metal, alkaline earth metal and ammonium salts.

Pat. 2,237,826. Fertilizer Composition. Apr. 8, 1941. A fertilizer nitrifying agent comprising sulfamic acid or its salts, ammonia and a relatively small quantity of water.

Pat. 2,238,651. Inhibition of Corrosion. Apr. 15, 1941. Inhibiting the corrosive effect of ammonium nitrate compositions by means of a small quantity of thiourea.

Pat. 2,255,027. Fertilizer Manufacture. Sept. 2, 1941. A fertilizer composition comprising the product obtained by mixing an acidic fertilizer with a solution prepared by mixing formaldehyde, a urea, ammonium nitrate, water and ammonia.

Pat. 2,279,200. Fertilizer Manufacture. Apr. 7, 1942. The process of ammoniating fertilizer materials which comprises incorporating hexamethylenetetramine with acidic fertilizer materials in the presence of urea.

Pat. 2,305,078. Cooling of Comminuted Material. Dec. 15, 1942. Cooling granulated fertilizer materials by passing such materials through a rotating cylindrical shell in contact with a stream of air, the dimensions and capacity of the shell being represented by the formula

$$\frac{A\sqrt{L}}{W} = K$$

Patents Relating to Urea Synthesis

Pat. 2,346,425. Stabilization of Organic Compounds. Apr. 11, 1944. Urea stabilized with caffeine.

Pat. 2,369,110. Process for Pelleting Urea. Feb. 6, 1945. Pelleting the composition comprising crystalline urea and starch.

Patents Relating to Urea-Formaldehyde Urea Wood Treatment

Pat. 2,232,609. Dimethylolurea-Ester Resinous Reaction Products. Feb. 18, 1941. A resinous product obtained by reaction between dimethylolurea and a glycolic acid ester.

Pat. 2,302,594. Treatment of Wood. Nov. 17, 1942. In the seasoning of wood the step which comprises coating the outer surface with a saturated urea solution, the wood being at a temperature at least 5° below that of the urea solution.

Pat. 2,346,286. Wood Seasoning Process. Apr. 11, 1944. Chemically seasoning wood by treatment with a jellified aqueous solution of urea.

Pat. 2,395,311. Treatment of Wood. Feb. 19, 1946. Inhibiting color change of wood during seasoning thereof with urea by contacting said wood with a composition consisting of urea, sodium bisulfite, water and boric acid.

Pat. 2,398,649. Treatment of Wood. Apr. 16, 1946. Impregnating wood with a methylol urea at a pH of 7 to 9.

Patents Relating to Equipment, Gas Analysis Apparatus

Pat. 1,893,490. Gas Analysis. Jan. 10, 1933. Automatically determining carbon monoxide in a gaseous stream containing hydrogen and carbon monoxide by comparing the thermal conductivity of a portion of the gas stream with that of a contemporaneously taken portion after replacing the carbon monoxide in the latter with hydrogen by subjecting it to catalysis with steam and removing the excess steam and carbon dioxide therefrom.

Pat. 1,908,202. Determination of Carbon Monoxide in a Gas Mixture. May 9, 1933. Determining the amount of carbon monoxide in a gas containing the same by passing the gas together with hydrogen over a methanation catalyst and measuring the amount of heat evolved.

Pat. 2,133,249. High Pressure Heat Exchanger. Oct. 11, 1938. Heat exchange device comprising a plurality of annular rows of tube segments integral with a header block, said header block containing gas passages, the height of the tube segments varied from the innermost to the outermost segment.

Pat. 2,232,622. H_2S Recorder. Feb. 18, 1941. Apparatus for measuring the hydrogen sulfide content of gases by measuring the amount of light reflected from a strip impregnated with a substance which is color sensitive to hydrogen sulfide.

Pat. 2,258,445. Apparatus for Vaporization. Oct. 7, 1941. Vaporization apparatus containing a rotatable, vertical shaft bearing concentrically mounted vanes, the uppermost vane supporting a distributing cup divided into as many compartments as there are vanes, each compartment being connected by means of a conduit to the upper surface of one of the said vanes.

Pat. 2,369,883. Means for Packing Reciprocable Elements. Feb. 20, 1945. Reciprocable element sealed by means of a tapered annular passageway containing a lubricant in the form of an oil wedge.

Patents Relating to Hydroxyacetic Acid Process

Pat. 2,290,128. Esters of Glycolic Acid. July 14, 1942. Alcoholysis of an alkyl glycolate with a polyhydric alcohol.

Patents Relating to Hydrogenation

Pat. 1,895,515. Catalytic Hydrogenation Process. Jan. 31, 1933. Making alcohols by hydrogenating ketones with a hydrogenating-dehydrating catalyst containing a basic metal compound.

Pat. 1,963,997. Hydrogenation of Aliphatic Polyhydric Alcohols. June 26, 1934. Hydrogenating aliphatic polyhydric alcohols to glycols using a hydrogenating-dehydrogenating catalyst.

Pat. 1,963,998. Catalytic Process for the Production of Butanol. June 26, 1934. Hydrogenating aldol to 1,3-butylene glycol and then to butanol.

Pat. 1,963,999. Process for Producing Polyhydroxy Alcohols. June 26, 1934. Catalytic hydrogenation of sugars to polyhydric alcohols using neutral non-alcoholic sugar solutions and reduced hydrogenating catalysts.

Pat. 1,964,000. Catalytic Hydrogenation Process. June 26, 1934. Hydrogenating carboxylic compounds with reduced nickel, copper, etc. chromites.

Pat. 1,964,001. Catalytic Process for the Preparation of Organic Compounds. June 26, 1934. Hydrogenating an oxygen-containing compound in a 3-component reaction system using as catalyst a plurality of hydrogenating metal chromites.

Pat. 1,967,222. Granulation of Finely Divided Materials. July 24, 1934. Making granular catalyst material such as Zn chromite by intimate mixing of finely divided material with volatile liquid non-solvent until granules form, and drying.

Pat. 1,998,470. Purification Process. Apr. 23, 1935. Purified nickel catalyst obtained by washing impure Ni compound with an NH_4 salt having an anion in common with the nickel compound.

Pat. 2,004,135. Production of Polyhydric Alcohols. June 11, 1935. Preparation of lower polyhydric alcohols by catalytic hydrogenation of a higher polyhydric alcohol in presence of a hydrogenation catalyst and a weakly alkaline compound.

Pat. 2,027,182. Hydrogenation of Aliphatic Alcohols and Esters. Jan. 7, 1936. Hydrogenating a mixture of higher saturated and unsaturated alcohols and their esters, derived from catalytic dehydrogenation of primary alcohols.

Pat. 2,034,077. Catalyst and Method for Preparing Same. Mar. 17, 1936. A hydrogenation-dehydrogenation catalyst prepared by depositing oxides of at least 2-nonferrous metals on an inert supporting material.

Pat. 2,040,944. Process for Producing Polyhydroxy Alcohols. May 19, 1936. Catalytic hydrogenation of monohydric aliphatic alcohol esters of non-aromatic polybasic acids to polyhydric alcohols.

Pat. 2,041,840. Process for Hydrogenating Sulphur Compounds. May 26, 1936. Hydrogenation of sulfur compounds such as mercaptans, CS_2, thio-aldehydes, etc., with chromium oxide catalyst.

Pat. 2,043,688. Hydrogenation of Oxygenated Organic Compounds. June 9, 1936. Removal of color and odor from organic compounds containing at least two ester groups by dispersing a hydrogenating catalyst into the ester and subsequently reducing the same.

Pat. 2,046,257. Chemical Process. June 30, 1936. Two-stage catalytic hydrogenation of rubber, neoprene, butadiene, or isoprene, in the presence of an aromatic hydrocarbon.

Pat. 2,060,880. Process of Producing Ethylene Glycol. Nov. 17, 1936. Hydrogenation of dialkyl oxalates to ethylene glycol.

Pat. 2,066,153. Catalytic Composition and Process for Preparing Same. Dec. 29, 1936. Catalyst comprising an intimately associated mixture of hydrogenating metal chromites.

Pat. 2,066,533. Hydrogenation Process for Producing Hydroxy Acids and Lactones. Jan. 5, 1937. Producing hydroxy acids and lactones by controlled catalytic hydrogenation of polycarboxylic acids or their esters.

Pat. 2,067,291. Polyamines and Process for Making the Same. Jan. 12, 1937. Catalytic hydrogenation of aryl-glycine nitriles to polyamines such as di- and tri-(beta-phenylaminoethyl) amine.

Pat. 2,072,142. Synthetic Resins. Mar. 2, 1937. Hydrogenation of aldehyde-polynuclear phenol resins.

Pat. 2,072,143. Synthetic Resins and Compositions Containing the Same. Mar. 2, 1937. Hydrogenation of aldehyde-polynuclear phenol resins; product obtained thereby.

Pat. 2,073,799. Process for the Production of Hydroxy Acids and the Product Thereof. Mar. 16, 1937. Hydrogenation of polymeric anhydrides to polymeric esters of hydroxyacids, and hydrolysis of latter to hydroxyacids.

Pat. 2,087,691. Process of Catalytically Hydrogenating Phenols. July 20, 1937. Nuclear hydrogenation of phenols with copper and related catalysts.

Pat. 2,088,425. Process for Dehydrogenating Hydrogenated Polycyclic Phenols. July 27, 1937. Catalytic liquid phase dehydrogenation of hydrogenated polycyclic phenols to ketones.

Pat. 2,094,127. Mixed Higher Alcohols. Sept. 28, 1937. The mixture of alcohols obtained by catalytic hydrogenation of cottonseed oil.

Pat. 2,094,611. Process for Producing Alcohols from Hydroxy Carboxylic Compounds. Oct. 5, 1937. Alcohols such as octadecanediol and their preparation by catalytic hydrogenation of hydroxycarboxylic acids, esters, or anhydrides, e. g., castor oil.

Pat. 2,100,468. Catalytic Hydrogenation of Alkyl Substituted Phenols. Nov. 30, 1937. Catalytic hydrogenation of mononuclear monohydric phenols having an alkyl side chain of at least 7 carbons.

Pat. 2,105,540. Catalytic Hydrogenation Process for the Production of Aldehydes. Jan. 18, 1938. Catalytic hydrogenation of aliphatic monocarboxylic acids to aldehydes.

Pat. 2,105,664. Catalytic Hydrogenation of Hydroaromatic Carboxylic Acids and Their Esters. Jan. 18, 1938. Catalytic hydrogenation of homocyclic hydroaromatic carboxyl compounds to alcohols.

Pat. 2,114,717. Process for Hydrogenation of Naphthenic Acid Derivatives. Apr. 19, 1938. Preparation of naphthenyl alcohols by catalytic hydrogenation of naphthenic acid esters and anhydrides.

Pat. 2,116,552. Catalytic Hydrogenation of Carboxylic Acids, Their Esters and Anhydrides. May 10, 1938. Catalytic hydrogenation of carboxylic acids, esters, and anhydrides in the presence of a hydrogenating-dehydrogenating catalyst comprising mixed chromites.

Pat. 2,118,934. Hydrogenation of Phenol-Ketone Condensation Products. May 31, 1938. Catalytic hydrogenation of phenol-ketone condensation products in solution under selected conditions.

Pat. 2,121,580. Hydrogenation of Oiticica Oil and Product Therefrom. June 21, 1938. Catalytic hydrogenation of oiticica oil.

Pat. 2,187,745. Process for Hydrogenating Amides and Imides to Amines. Jan. 23, 1940. Hydrogenation of amides and imides to amines.

Pat. 2,205,184. Purification of Aldehyde-Ketone Mixtures. June 18, 1940. Hydrogenation of the aldehyde in aldehyde-ketone mixtures in the presence of a hydrogenation catalyst at 40° to 125° C.

Pat. 2,209,055. Process for Cleaving Monosaccharides and Preparation of Lower Polyhydric Alcohols Therefrom. July 23, 1940. Preparation of lower polyhydric alcohols by cleaving a monosaccharide with a tertiary amine and catalytically hydrogenating.

Pat. 2,217,651. Hydrogenation of Ethers of Hydroxy Aldehydes. Oct. 8, 1940. Hydrogenation of a glyceric aldehyde monoalkyl ether to a glycerol ether.

Pat. 2,233,999. Process for the Production of 2,3,4,5-Tetrahydrothiophene-1, 1-Dioxide. Mar. 4, 1941. Hydrogenation of butadiene/SO_2 sulfone.

Pat. 2,247,756. Process for the Manufacture of Alcohols and Ketones. July 1, 1941. Hydrogenation and decarbonylation of primary-secondary glycols, e. g., octadecanediol to heptadecanol-7.

Pat. 2,275,152. Process for Hydrogenating Aliphatic Carboxylic Acid Anhydrides. Mar. 3, 1942. Hydrogenation of aliphatic anhydrides to alcohols with chromite catalysts.

Pat. 2,278,549. Hydrogenation of Acyl-Substituted Compounds. Apr. 7, 1942. Hydrogenating in the liquid phase a compound containing an acyl group adjacent to an ester group.

Pat. 2,334,761. Preparation of Straight Chain Hydroxy Compounds Having at Least Six Carbon Atoms. Nov. 23, 1943. Preparation of polyhydric alcohols by hydrogenation of aldol condensation products.

Pat. 2,357,479. Hydrogenation of Alkoxy-Substituted Esters and Products. Sept. 5, 1944. Preparation of glycerol beta-(methoxymethyl)ether by hydrogenation of an alpha-(methoxymethyl)ether of methyl glycerate.

Patents Relating to Reaction of CO With Water or Alcohols, Acid and Ester Syntheses, BF_3 Processes

Pat. 1,895,238. Process for the Preparation of Formic Acid. Jan. 24, 1933. Producing formic acid from carbon monoxide and steam in the presence of a boron-phosphate catalyst.

Pat. 1,915,308. Process of Esterification. June 27, 1933. Continuous preparation of esters ex olefin hydrocarbon and a concentrated lower aliphatic carboxylic acid in contact with a catalyst such as concentrated H_2SO_4.

Pat. 1,924,762. Preparation of Carboxylic Acids. Aug. 29, 1933. Preparation of carboxylic acids from steam, carbon monoxide and olefins in the presence of a volatile inorganic acid.

Pat. 1,924,763. Preparation of Carboxylic Acids. Aug. 29, 1933. Preparation of carboxylic acids by reaction between steam, carbon monoxide and olefins in the presence of a volatile halide.

Pat. 1,924,764. Process of Preparing Aliphatic Carboxylic Acids from Olefinic Hydrocarbons, Carbon Monoxide and Steam. Aug. 29, 1933. Preparation of carboxylic acids from steam, carbon monoxide and olefins in the presence of boron phosphate.

Pat. 1,924,765. Preparation of Carboxylic Acids from Olefinic Hydrocarbons, Carbon Monoxide and Steam. Aug. 29, 1933. Preparation of carboxylic acids from steam, carbon monoxide and olefins in the presence of an ammonium halide and active carbon.

Pat. 1,924,767. Process for the Production of Carboxylic Acids. Aug. 29, 1933. Preparation of carboxylic acids from olefins, steam and carbon monoxide in the presence of a hydrogen halide and a metal halide.

Pat. 1,924,768. Process for the Production of Carboxylic Acids. Aug. 29, 1933. Preparation of carboxylic acids from olefins, steam and carbon monoxide in the presence of a non-volatile compound containing at least two chemically combined elements, the oxides of which are acidic.

Pat. 1,924,769. Process for the Production of Carboxylic Acids. Aug. 29, 1933. Producing formic acid from carbon monoxide and steam in the presence of a halide of an element selected from the group consisting of alkali and alkaline earth metals.

Pat. 1,940,674. Preparation of Organic Acids. Dec. 26, 1933. Synthesis of aliphatic organic acids from alcohols and carbon monoxide in the presence of an acid catalyst promoted with an oxide of a Group IV-A element.

Pat. 1,940,987. Process for the Preparation of Organic Acids. Dec. 26, 1933. Synthesis of organic acids from carbon monoxide and alcohols by circulating the reaction mixture over a heated catalyst suitable for the synthesis, removing the organic acid formed and recirculating the separated by-products over the catalyst.

Pat. 1,940,988. Process for the Preparation of Organic Acids. Dec. 26, 1933. Subjecting carbon monoxide and an alcohol to the action of a heated catalyst, adding alcohol to the resulting mixture, and subjecting it without additional carbon monoxide to further reaction in contact with the catalyst.

Pat. 1,940,989. Preparation of Organic Acids. Dec. 26, 1933. Synthesis of organic acids by heating a catalyst adapted for the said synthesis to reaction temperature in an atmosphere of a circulating gaseous medium incapable of forming the said organic acid, and thereafter continuously adding to the said medium a mixture of gases for the reaction, passing the resulting gaseous mixture over the catalyst and separating the organic acid thus formed while recirculating the uncombined gases over the catalyst.

Pat. 1,946,254. Preparation of Carboxylic Acids. Feb. 6, 1934. Reaction between an alcohol and carbon monoxide in the presence of a volatile inorganic acid catalyst formed in situ.

Pat. 1,946,255. Preparation of Carboxylic Acids. Feb. 6, 1934. Reacting an aliphatic alcohol with carbon monoxide in the presence of a volatile halide catalyst.

Pat. 1,946,256. Preparation of Carboxylic Acids. Feb. 6, 1934. Reacting an aliphatic alcohol with carbon monoxide in the presence of a volatile halide and activated carbon.

Pat. 1,946,257. Preparation of Organic Acids. Feb. 6, 1934. Synthesis of organic acids by contacting monohydroxyaliphatic alcohols and carbon monoxide with a halide of an element selected from the elements of Group II of the Periodic Table and manganese.

Pat. 1,946,258. Preparation of Organic Acids. Feb. 6, 1934. Preparation of organic acids by contacting an alcohol or ether with carbon monoxide in the presence of a complex inorganic oxide containing a metal of Group VI-A of the Periodic Table.

Pat. 1,946,259. Process for the Preparation of Aliphatic Organic Acids. Feb. 6, 1934. Preparation of organic acids by contacting an alcohol or ether with carbon monoxide in the presence of a hydrogen halide and a halide of a Group II metal or a manganese halide.

Pat. 1,949,825. Process for the Production of Carboxylic Acids. Mar. 6, 1934. Preparation of formic acid from carbon monoxide and steam in the presence of an acid containing at least two chemically combined nonvolatile acid forming elements.

Pat. 1,957,939. Process for the Production of Carboxylic Acids. May 8, 1934. Reacting a gaseous mixture of an olefinic hydrocarbon, steam and carbon monoxide in the presence of a metal halide catalyst.

Pat. 1,979,449. Preparation of Organic Acids. Nov. 6, 1934. Preparation of organic acids by contacting an alcohol or ether with an activated charcoal catalyst in the presence of carbon monoxide at a temperature above approximately 300° C.

Pat. 1,979,450. Preparation of Organic Acids. Nov. 6, 1934. Preparation of organic acids by contacting an alcohol or ether with an activated charcoal catalyst promoted with an acidic catalyst in the presence of carbon monoxide.

Pat. 1,979,518. Preparation of Organic Acids. Nov. 6, 1934. Preparation of organic acids by contacting an alcohol with an activated charcoal catalyst promoted with an oxide of sub-group A of the fourth, fifth and sixth groups of the Periodic Table in the presence of carbon monoxide.

Pat. 1,979,519. Preparation of Organic Acids. Nov. 6, 1934. Preparation of organic acids by contacting an alcohol with an activated charcoal catalyst promoted with an acidic oxide selected from the group consisting of sub-groups B of the fourth, fifth and sixth groups of the Periodic Table in the presence of carbon monoxide.

Pat. 1,979,717. Preparation of Organic Esters. Nov. 6, 1934. Preparation of esters by reaction between olefins, alcohols and carbon monoxide.

Pat. 1,981,801. Process for the Production of Carboxylic Acids. Nov. 20, 1934. Reaction between an olefin, steam and carbon monoxide in the presence of a catalyst containing an acid metal salt of an acidic oxide.

Pat. 1,991,732. Process for the Production of Formic Acid. Feb. 19, 1935. Producing formic acid by passing carbon monoxide and steam over a zinc chloride catalyst in the presence of hydrogen chloride.

Pat. 1,993,552. Preparation of Esters of Polybasic Acids. Mar. 5, 1935. Reacting a lower alkyl ester of a polybasic organic acid with an HTP alcohol to produce a mixture of esters.

Pat. 1,993,555. Production of Aliphatic Carboxylic Acids. Mar. 5, 1935. Producing carboxylic acids by reacting a halogenated hydrocarbon with steam and carbon monoxide.

Pat. 1,994,955. Acid Synthesis Process. Mar. 19, 1935. Reacting an alcohol with carbon monoxide in an oxygen-free reaction zone.

Pat. 1,995,930. Process for Making Trimethyl Acetic Acid. Mar. 26, 1935. Preparation of trimethyl acetic acid by reaction between isobutanol and carbon monoxide.

Pat. 1,999,976. Process for the Preparation of Higher Alkyl Esters of the Carboxylic Acids. Apr. 30, 1935. Preparation of higher alkyl esters from lower alkyl esters by halogenating the lower alkyl ester, condensing the resulting halogenated ester with an olefin, and dehalogenating the resulting halogenated higher alkyl ester.

Pat. 2,000,053. Process for the Production of Carboxylic Acid. May 7, 1935. Reacting an olefin with steam and carbon monoxide in the presence of a metal compound which forms a salt with the resulting carboxylic acid.

Pat. 2,001,659. Preparation of Formic Acid. May 14, 1935. Preparation of formic acid from carbon monoxide and steam in the presence of a volatile inorganic acid which is continuously formed in situ.

Pat. 2,007,968. Process of Esterification. July 16, 1935. Preparation of esters by reacting a ketone with certain alcohols in presence of strong acid catalyst.

Pat. 2,008,348. Process for the Production of Carboxylic Acids. July 16, 1935. Reacting an olefin with carbon monoxide and steam in the presence of a solid acidic oxide catalyst.

Pat. 2,010,402. Preparation of Carboxylic Acids. Aug. 6, 1935. Preparation of oxygenated organic compounds by reacting an alcohol with carbon monoxide in the presence of an ammonium halide and active carbon.

Pat. 2,013,338. Process for the Production of Carboxylic Acids. Sept. 3, 1935. Producing a carboxylic acid by a reaction between an olefin and formic acid under a pressure of 25 to 900 atmospheres.

Pat. 2,015,065. Process for the Synthesis of Organic Compounds. Sept. 24, 1935. Preparation of carboxylic acids from olefins, steam and carbon monoxide in the presence of an inert gas.

Pat. 2,015,077. Esters of Higher Aliphatic Alcohols. Sept. 24, 1935. Mixture of neutral esters of polycarboxylic acids and the mixed branched-chain alcohols from catalytic hydrogenation of carbon oxides.

Pat. 2,015,078. Coating Composition. Sept. 24, 1935. Compositions comprising cellulose derivatives and carboxylic acid esters of primary branched-chain alcohols from catalytic hydrogenation of carbon oxides.

Pat. 2,015,088. Polybasic Acid Ester of Higher Alcohols. Sept. 24, 1935. Mixed polycarboxylic acid esters, in which at least one ester group contains radicals of primary branched-chain alcohols from catalytic hydrogenation of carbon oxides.

Pat. 2,019,754. Preparation of Organic Acids. Nov. 5, 1935. Preparation of carboxylic acids by reacting an alcohol ether or ester with carbon monoxide in the presence of an oxide catalyst which is also a gas adsorbent.

Pat. 2,020,689. Process for the Preparation of Aliphatic Carboxylic Acids. Nov. 12, 1935. Preparation of carboxylic acids from steam, carbon monoxide and olefins in the presence of carbon tetrachloride and active carbon.

Pat. 2,021,127. Preparation of Organic Acids. Nov. 19, 1935. Preparation of organic acids from alcohols and carbon monoxide in the presence of a catalyst containing a simple acid consisting of the elements, hydrogen, oxygen and a Group VI-A metal.

Pat. 2,023,003. Process for the Production of Formic Acid. Dec. 3, 1935. Preparation of formic acid from carbon monoxide and steam in the presence of an acid salt of the acidic oxides of phosphorus, arsenic, tungsten, molybdenum, uranium, chromium, vanadium, boron, silicon or zirconium.

Pat. 2,025,676. Process for the Preparation of Organic Acids. Dec. 24, 1935. Preparation of oxygenated organic compounds by reacting an alcohol with carbon monoxide in the presence of a halogenated carboxylic acid or an acyl halide.

Pat. 2,025,677. Process for the Preparation of Organic Acids. Dec. 24, 1935. Preparation of carboxylic acids from steam, carbon monoxide and olefins in the presence of a halogenated monocarboxylic acid.

Pat. 2,039,722. Process for the Preparation of Organic Acids. May 5, 1936. Preparation of organic oxygenated compounds by contacting an alcohol with carbon monoxide in the presence of carbon tetrachloride and activated charcoal.

Pat. 2,054,807. Carboxylic Acids and Method for Their Preparation. Sept. 22, 1936. Preparation of oxygenated organic compounds by reacting an alcohol with carbon monoxide in the presence of water vapor and a boron phosphate catalyst supported on activated charcoal.

Pat. 2,068,265. Preparation of Carboxylic Acids. Jan. 19, 1937. Preparation of carboxylic acids by reaction between alcohols and carbon monoxide in the presence of chromium vanadate.

Pat. 2,079,216. Improved Acid Synthesis Process. May 4, 1937. Preparation of monocarboxylic acids by reaction between carbon monoxide, water and olefins, in the absence of oxygen in a copper-lined reaction vessel.

Pat. 2,084,284. Ether Acid Halides and Process of Making Them. June 15, 1937. Reaction between halogenated aliphatic ethers and carbon monoxide in the presence of a Friedel-Crafts type catalyst; diacid chloride of diglycolic acid as a composition of matter.

Pat. 2,089,903. Improved Acid Synthesis Process. Aug. 10, 1937. Preparation of monocarboxylic acids by reaction between carbon monoxide, water and olefins in an apparatus lined with tantalum.

Pat. 2,093,695. Process for the Preparation of Carboxylic Acid Esters. Sept. 21, 1937. Producing esters from aliphatic acids and olefins under pressure in the presence of activated charcoal as a catalyst.

Pat. 2,135,447. Ester Synthesis Process. Nov. 1, 1938. Preparation of esters by reacting ethers with carbon monoxide in the presence of active carbon and a volatile halide.

Pat. 2,135,448. Organic Acid Synthesis. Nov. 1, 1938. Preparation of acetic acid by reacting methanol with boron trifluoride to form an addition compound containing about two mols of methanol per mol of boron trifluoride and subsequently reacting the resulting product with carbon monoxide.

Pat. 2,135,449. Process of Preparing Aliphatic Esters. Nov. 1, 1938. Preparation of a carboxylic acid ester by reacting an alkyl ether with carbon monoxide in the presence of boron trifluoride and water.

Pat. 2,135,450. Preparation and Recovery of Aliphatic Esters. Nov. 1, 1938. Condensing an aliphatic ether with carbon monoxide in the presence of a halide of an element selected from the group consisting of the amphoteric elements and the elements which on hydrolysis form weak bases.

Pat. 2,135,451. Organic Acid Synthesis. Nov. 1, 1938. Preparation of organic acids and their esters by reacting an alcohol with carbon monoxide in the presence of boron fluoride at a temperature below 350° C.

Pat. 2,135,452. Synthesis of Aliphatic Organic Acids and Esters. Nov. 1, 1938. Preparation of acetic acid from methanol and carbon monoxide in the presence of boron fluoride at a temperature between 200° and 400° C.

Pat. 2,135,453. Preparation of Oxygenated Organic Compounds. Nov. 1, 1938. Preparation of oxygenated organic compounds by heating an alcohol with carbon monoxide at a temperature below 350° C. in the presence of 0.25 to 2.0 mols of an aqueous halide of an element selected from the group consisting of amphoteric elements and the elements which form weak bases.

Pat. 2,135,454. Catalyst Preparation. Nov. 1, 1938. Preparation of $BF_3.2H_2O$ or $BF_3.3H_2O$ by reaction between anhydrous hydrofluoric acid and a compound selected from the group consisting of boric acid, boric anhydride, and a borate.

Pat. 2,135,455. Alcohols from Olefines. Nov. 1, 1938. Hydration of olefines in the presence of a boron halide.

Pat. 2,135,456. Separation of Constituents from an Organic Complex. Nov. 1, 1938. Recovery of acetic acid from its solution with boron fluoride and water by distillation while continuously adding steam to the mixture.

Pat. 2,135,457. Separation of the Constituents in Organic Complexes. Nov. 1, 1938. Separation of propionic acid from its complex with boron fluoride by adding acetic acid thereto to displace the propionic acid.

Pat. 2,135,458. Separation of Constituents from Organic Complexes. Nov. 1, 1938. Separating an organic compound from its complex with a boron halide by adding an alkaline earth metal halide which forms a complex with boron halide and thereafter separating the boron halide from the said complex.

Pat. 2,135,459. Preparation of Organic Acids from Olefines and Carbon Monoxide. Nov. 1, 1938. Preparation of carboxylic acids by reaction between carbon monoxide, olefines and water in the presence of boron fluoride, the amount of water being not appreciably more than 5 mols per mol of boron fluoride.

Pat. 2,135,460. Preparation of Boron Fluoride. Nov. 1, 1938. Preparation of boron fluoride by reacting a metal halide with hydrated boron fluoride, removing the resulting complex of metal halide and boron fluoride and driving off the boron fluoride therefrom at elevated temperatures.

Pat. 2,151,382. Diolefin Polymerization Process. Mar. 21, 1939. Polymerization of monoolefin-diolefin mixtures with aqueous boron fluoride.

Pat. 2,158,031. Condensation Reaction. May 9, 1939. Condensation of carbon monoxide with an olefin, alcohol or ether in the presence of boron trifluoride associated with from 1 to 5 mols of water per mol of boron trifluoride.

Pat. 2,160,575. Recovery Process. May 30, 1939. Separation of acetic acid from its complex with boron fluoride by distilling alternately at two different pressure levels.

Pat. 2,160,576. Preparation of Anhydrous Boron Fluoride. May 30, 1939. Preparation of boron trifluoride by distilling hydrated boron trifluoride alternately at differing pressure levels.

Pat. 2,162,451. Ester Interchange with Organic Acids. June 13, 1939. Preparation of alkyl acetates and formic acid from alkyl formates and acetic acid in the presence of a catalyst and an agent which forms an azeotrope with formic acid.

Pat. 2,162,459. Synthesis of Organic Acids Higher than Acetic Acid. June 13, 1939. Vapor phase reaction between carbon monoxide and alcohols in the presence of a volatile catalyst containing boron and fluorine.

Pat. 2,217,650. Preparation of Organic Acids. Oct. 8, 1940. Preparation of organic acids and esters by reacting carbon monoxide with an alcohol in the presence of a catalyst which is a complex of an inorganic acid and boron fluoride.

Pat. 2,258,525. Olefin Reactions with Boron Fluoride Catalyst. Aug. 26, 1941. Production of esters by reaction between a lower aliphatic acid and an olefin in the presence of boron trifluoride associated with from 1 to 5 mols of water per mol of boron trifluoride.

Pat. 2,265,946. Preparation of Aliphatic Organic Esters. Dec. 9, 1941. Reacting an acyl-oxy or alkoxy-acetic acid with an olefin containing not more than 3 carbon atoms to form an ester.

Pat. 2,265,947. Preparation of Formyl-Substituted Esters. Dec. 9, 1941. Preparing an alkyl formyl (alkoxymethoxy) acetate by reacting an alkyl (alkoxy-methoxy) acetate with an alkyl formate.

Pat. 2,273,785. Organic Acids from Ketones. Feb. 17, 1942. Preparation of organic acids by reaction between aliphatic ketones, carbon monoxide and water in the presence of hydrated boron fluoride.

Pat. 2,298,138. Inorganic Substituted Acetic Acid. Oct. 6, 1942. Preparation of halogen-substituted acetic acids by heating formaldehyde with a halogen acid and carbon monoxide in the substantial absence of water.

Pat. 2,302,618. Preparation of Organic Esters. Nov. 17, 1942. Preparation of methyl methoxyacetate by reacting dimethyl ether with methyl hydroxyacetate.

Pat. 2,316,605. Preparation of Organic Esters. Apr. 13, 1943. Preparation of 1,1-di(carbomethoxymethoxy)-2-methyl propane by reacting methyl hydroxyacetate with 1,1-dimethoxyisobutane in the presence of an acidic catalyst.

Pat. 2,341,420. Formic Acid Esters. Feb. 8, 1944. Preparation of formates by passing carbon monoxide into a monoether of a polyhydric alcohol in the presence of a metal alkoxide catalyst.

Pat. 2,350,360. Esters of Substituted Acetic Acids. June 6, 1944. Preparation of alkoxyacetic esters of polyhydric alcohols.

Pat. 2,350,964. Esters. June 6, 1944. Alcoholysis of methyl hydroxyacetate with glycerol to obtain glycerol monoglycolate.

Pat. 2,373,483. Preparation of Organic Esters. Apr. 10, 1945. Preparation of alkyl alkoxyacetates by reaction between alkyl ethers, formaldehyde and carbon monoxide in the presence of an acidic catalyst.

Pat. 2,373,583. Conversion of Methyl Formate to Formic Acid. Apr. 10, 1945. Preparation of formic acid by acidolysis of methyl formate with an organic dicarboxylic acid in the presence of an inorganic acid catalyst.

Pat. 2,378,009. Production of Esters. June 12, 1945. Preparation of ethyl alpha-methyl-alpha-ethylbutyrate by reaction between ethylene and carbon monoxide in the presence of a strong acid catalyst.

Pat. 2,388,164. Esters. Oct. 30, 1945. A glycerol ether ester of the class consisting of mono and dimethoxy-acetates of glycerol beta-methyl ether.

Pat. 2,391,219. Preparation of Acids. Dec. 18, 1945. Converting methyl acetate to acetic acid by heating a mixture of methyl acetate and water under a pressure between 200 and 500 pounds per square inch while separating the methanol by distillation under a similar pressure.

Pat. 2,405,936. Formic Acid Esters. Aug. 20, 1946. Preparation of ethylene glycol diformate by reacting ethylene glycol with carbon monoxide in the presence of an alkali metal alkoxide catalyst at elevated temperatures and pressures.

Patents Relating to Acetals, 1,3-Dioxolanes

Pat. 2,250,487. Reaction of Formals with Glycolic Acid and Resulting Product. July 29, 1941. Preparation of formals by reaction between a methylene glycol-diether and glycolic acid or an alkyl glycolate.

Pat. 2,273,786. Preparation of Acids and Acetals from Esters and Aldehydes. Feb. 17, 1942. Reacting an organic ester with an aldehyde and water to obtain the corresponding acid and acetal.

Pat. 2,289,548. Condensation Reaction. July 14, 1942. Preparation of formals by reacting formalin with propylene in the presence of hydrated boron fluoride.

Pat. 2,307,934. Preparation of Aldehydes. Jan. 12, 1943. Preparation of methoxymethoxyacetaldehyde by vapor phase oxidation of methoxymethoxyethanol in the presence of an oxidation catalyst.

Pat. 2,316,606. Polycarboxylic Acids. Apr. 13, 1943. Preparation of sodium ethanol amine formal by reaction between chloracetic acid and ethanol amine formal in an alkaline solution.

Pat. 2,357,594. Esters. Sept. 5, 1944. Alcoholysis of an ester of an alkoxymethoxy acetic acid with a polyhydric alcohol ether.

Pat. 2,370,779. Preparation of 2-Methyl-4-Keto-1,3-Dioxolane. Mar. 6, 1945. Preparation of 2-methyl-4-keto-1,3-dioxolane.

Pat. 2,377,878. Dioxolane-Acid Halide Reaction and Product. June 12, 1945. Reaction between 1,3-dioxolane or 4-methyl-1,3-dioxolane and acetyl chloride to form a chloroester.

Pat. 2,382,874. Modified Acetals. Aug. 14, 1945. Preparation of di(methoxymethoxy) ethane by reaction between 1,3-dioxolane and methylal in the presence of an acidic catalyst.

Patents Relating to Antifreeze, Hydraulic Fluids, Automotive Chemicals, Denaturants

Pat. 1,900,014. Antifreeze Composition. Mar. 7, 1933. Substantially non-volatile antifreeze ex water, sorbitol, and a glycol.

Pat. 1,911,195. Noncorrosive Antifreeze Liquid. May 30, 1933. Methanol antifreeze containing borax as a corrosion inhibitor.

Pat. 1,915,148. Antifreeze Noncorrosive Solution. June 20, 1933. Alcoholic antifreeze containing an inhibitor selected from the group consisting of alkaline earth tartrates, alkali tartrates and mixed alkali tartrates.

Pat. 1,945,543. Hydraulic Fluid. Feb. 6, 1934. A brake fluid comprising castor oil and a mixture of high boiling oxygenated liquid products obtained by catalytic hydrogenation of carbon monoxide.

Pat. 1,956,266. Antifreeze Noncorrosive Solution. Apr. 24, 1934. Alcoholic antifreeze containing a small amount of an alkyl or aryl antimonyl tartrate.

Pat. 2,056,163. Denatured Alcohol. Oct. 6, 1936. HTP alcohols as denaturants for ethanol.

Pat. 2,085,779. Denatured Alcohol. July 6, 1937. Denatured ethyl alcohol containing a mixture of aldehydes, esters and ketones obtained by dehydrogenation of HTP alcohols.

Pat. 2,090,263. Hydraulic Fluid. Aug. 17, 1937. A hydraulic fluid comprising a solution of isobutanol and a glycol.

Pat. 2,102,638. Hydraulic Fluid. Dec. 21, 1937. A hydraulic fluid comprising an aliphatic monohydric alcohol, a blown oil, and a soap.

Pat. 2,102,825. Hydraulic Fluids. Dec. 21, 1937. A hydraulic fluid comprising an organic solvent diluent and a ricinoleyl compound.

Pat. 2,192,119. Denaturant. Feb. 27, 1940. Ethyl ethynyl carbinol and related compounds as denaturants for ethyl alcohol.

Pat. 2,192,120. Denaturant. Feb. 27, 1940. Acetyl methyl carbinol and related compounds as denaturants for alcohols.

Pat. 2,192,136. Denaturant. Feb. 27, 1940. A mixture of branch chain ketones and hydrocarbons boiling at about 80° to 130° C. obtainable by catalytic dehydrogenation and dehydration of secondary alcohols as a denaturant for ethyl alcohol.

Pat. 2,192,137. Denatured Materials. Feb. 27, 1940. Unsaturated tertiary alcohols as denaturants for ethyl alcohol.

Pat. 2,196,152. Denaturant. Apr. 2, 1940. Cyclopentanone and related compounds as denaturants for ethyl alcohol

Pat. 2,205,183. Hydraulic Fluid. June 18, 1940. A hydraulic fluid containing a liquid N-substituted amide and an organic lubricant.

Pat. 2,209,900. Denaturant. July 30, 1940. Cyclic ethers having from 3 to 8 carbon atoms per molecule as denaturants for ethyl alcohol or ethyl acetate.

Pat. 2,232,581. Hydraulic Fluid. Feb. 18, 1941. A hydraulic fluid comprising a polyhydric alcohol, a polyhydric alcohol ricinoleate, a monohydric alcohol and an alkali or alkaline earth metal nitrite.

Pat. 2,249,800. Hydraulic Fluid. July 22, 1941. A hydraulic fluid comprising a glyceryl mono- or diester of a vegetable or animal oil acid, or a glycol ester of the said acid, together with a monohydric alcohol and a polyhydric alcohol.

Pat. 2,256,368. Denatured Material. Sept. 16, 1941. Nitromethane, nitroethane, or nitropropane, as denaturants for ethyl alcohol.

Pat. 2,258,414. Denaturant. Oct. 7, 1941. Denatured alcohol containing methyl vinyl ketone as a denaturant.

Pat. 2,305,228. Hydraulic Fluid. Dec. 15, 1942. A hydraulic fluid comprising 2-hydroxymethyl-1,3-dioxolane and a vegetable oil.

Pat. 2,316,497. Hydraulically Actuated System. Apr. 13, 1943. Overcoming water accumulation in a hydraulically actuated system by passing air over a drying agent before it enters the master cylinder or by substantially preventing the breathing of air through the fluid reservoir vent.

Pat. 2,331,032. Denaturants. Oct. 5, 1943. A denatured alcohol containing as a denaturant a mixture of aldehydes prepared by oxidizing a mixture of higher alcohols obtained in the high pressure synthesis of methanol from hydrogen and oxides of carbon.

Pat. 2,346,295. Corrosion Inhibition. Apr. 11, 1944. An alcoholic antifreeze containing sodium methyl carbonate as a corrosion inhibitor.

Pat. 2,373,570. Noncorrosive Liquids. Apr. 10, 1945. Alcoholic antifreeze containing borax and mercaptobenzothiazole.

Pat. 2,382,931. Hydraulic Fluids. Aug. 14, 1945. A hydraulic fluid comprising methoxymethoxy ethanol, castor oil, and a mono-, di- or trihydric alcohol.

Pat. 2,388,155. Inhibition of Corrosion. Oct. 30, 1945. An antifreeze composition consisting of ethylene glycol, water, ethanol and borax.

General Aniline & Film Corporation has placed more than 3,000 patents on the Register of Patents as being available for licensing. The patents are grouped in five sections. The following patents (Reg. Nos. 11,417 through 11,954) are a continuation of Section 1, relating to Dyestuffs and Intermediates, Group 28—22—82—89. Inquiries concerning these patents should be addressed to the Patent Department, General Aniline & Film Corporation, 247 Park Avenue, New York 17, N. Y.

SECTION 1—Continued

Pat. 2,032,033. Acid Triphenylmethane Dyestuffs and a Process of Preparing Them. Feb. 25, 1936.

Pat. 2,032,463. Fibers Dyed with Water-Insoluble Azo-Dyestuffs. Mar. 3, 1936.

Pat. 2,032,505. Chrysenemonosulphonic Acid. Mar. 3, 1936.

Pat. 2,032,539. Products of the Anthrapyrimidine Series. Mar. 3, 1936.

Pat. 2,032,627. Water-Insoluble Azodyestuffs. Mar. 3, 1936.

Pat. 2,032,635. Black Sulphur Dyestuffs. Mar. 3, 1936.

Pat. 2,032,772. Producing Hydroxy Compounds of the Anthrapyrimidine Series. Mar. 3, 1936.

Pat. 2,033,219. Treating Cellulose Esters. Mar. 10, 1936.

Pat. 2,033,316. Acid Dyestuffs of Anthraquinone Series. Mar. 10, 1936.

Pat. 2,033,341. Complex Chromium Compounds of Ortho-Hydroxyazo Dyestuffs and Their Production. Mar. 10, 1936.

Pat. 2,034,054. Waterinsoluble Azodyestuffs. Mar. 17, 1936.

Pat. 2,034,247. Azo Dyestuffs. Mar. 17, 1936.

Pat. 2,034,303. Azo Dyestuffs and Their Production. Mar. 17, 1936.

Pat. 2,034,304. Azo Dyestuffs and Their Production. Mar. 17, 1936.

Pat. 2,034,305. Azo Dyestuffs and Their Production. Mar. 17, 1936.

Pat. 2,034,668. Azo Dyestuffs. Mar. 17, 1936.

Pat. 2,035,751. Production of Quinaldines. Mar. 31, 1936.

Pat. 2,036,703. Process of Dyeing Wool. Apr. 7, 1936.

Pat. 2,036,705. Pyridino Compounds. Apr. 7, 1936.

Pat. 2,038,081. Water-Insoluble Azo-Dyestuffs and Fiber Dyed Therewith. Apr. 21, 1936.

Pat. 2,038,859. Chromiferous Azodyestuffs. Apr. 28, 1936.

Pat. 2,039,023. Process of Producing New Dyestuffs of the Anthraquinone Series. Apr. 28, 1936.

Pat. 2,039,524. Agents Rendering Textile Materials Fast to Creasing. May 5, 1936.

Pat. 2,039,571. Dyestuffs of the Triarylmethane Series. May 5, 1936.

Pat. 2,039,809. Pyridino Vat Dyestuffs, and Process of Preparing Them. May 5, 1936.

Pat. 2,040,061. Quaternary Ammonium Compounds. May 5, 1936.

Pat. 2,040,368. Azo-Dyestuffs Containing Chromium and Process of Preparing Them. May 12, 1936.

Pat. 2,040,380. Brominated Vat Dyestuffs of the Benzanthronylaminoanthraquinone Series. May 12, 1936.

Pat. 2,040,397. Arylamides of 5.6.7.8-Tetrahydro-2-Hydroxynaphthalene-3-Carboxylic Acid. May 12, 1936.

Pat. 2,040,587. 6-Nitro-2.3-Hydroxynaphthoic Acid. May 12, 1936.

Pat. 2,040,626. Aminobutane-Disulphonic Acids and Alkyl-Substitution Products Thereof and a Process of Preparing Them. May 12, 1936.

Pat. 2,040,796. Process of Dyeing Animal Fibers with Metal Complex Compounds of Organic Acid Dyestuffs. May 12, 1936.

Pat. 2,040,857. Acylamino Derivatives of the Anthrapyrimidine Series. May 19, 1936.

Pat. 2,040,858. Production of Anthrapyrimidines. May 19, 1936.

Pat. 2,040,859. Compounds of the Anthrapyrimidine Series. May 19, 1936.

Pat. 2,040,860. Production of Anthrapyrimidines. May 19, 1936.

Pat. 2,040,861. Anthrapyrimidines and Their Production. May 19, 1936.

Pat. 2,040,862. Compounds of the Anthrapyrimidine Series. May 19, 1936.

Pat. 2,041,512. Tetrahalogeno - Ortho - Aminophenols. May 19, 1936.

Pat. 2,041,513. Tetrahalogeno - Ortho - Aminophenols. May 19, 1936.

Pat. 2,041,550. Vat Dyestuffs of the Anthraquinone Series. May 19, 1936.

Pat. 2,042,194. Stripping Dyeings Prepared with Vat Dyestuffs. May 26, 1936.

Pat. 2,042,600. Isothiocyanate Sulphonic Acids. June 2, 1936.

Pat. 2,042,630. Manufacture of 6-Bromo-2.4-Dinitraniline. June 2, 1936.

Pat. 2,042,658. Nitro-Derivatives of 2-Hydroxynaphthalene-1-Sulphonic Acid-3-Carboxylic Acid and Process of Preparing Them. June 2, 1936.

Pat. 2,042,683. Vat Dyestuffs of the Anthraquinone Series and Process of Making Same. June 2, 1936.

Pat. 2,042,757. Process of Preparing Acid Wool Dyestuffs of the Anthraquinone Series and the Dyestuffs Thus Obtainable. June 2, 1936.

Pat. 2,043,081. Methine Dyestuffs Derived from P-Amino-Benzaldehyde Compounds. June 2, 1936.

Pat. 2,043,199. Azo Dyestuffs and Their Production. June 2, 1936.

Pat. 2,043,329. Wetting Agents for Mercerising Solutions. June 9, 1936.

Pat. 2,044,329. Azo Dyes and Their Production. June 16, 1936.

Pat. 2,044,404. Process of Preparing Dyestuffs of the N.N-Dihydro-1.2.2'.1'-Anthraquinone Azine Series and New Intermediate Products Obtainable Thereby. June 16, 1936.

Pat. 2,044,790. Dyestuff Preparation. June 23, 1936.

Pat. 2,044,796. Stable Reduction Compounds of the Thioindigoide Series and Process of Preparing Them. June 23, 1936.

Pat. 2,044,868. Sulphur Dyestuffs. June 23, 1936.

Pat. 2,044,891. Substantive Azodyestuffs and Process of Making Same. June 23, 1936.

Pat. 2,044,963. Water-Soluble Basic Triphenylmethane Dyestuffs and a Process of Preparing Them. June 23, 1936.

Pat. 2,045,090. Cupriferous Polyazo Dyes and Their Production. June 23, 1936.

Pat. 2,045,475. Stable Reduction Compounds of the 4.7.4'.7'-Tetra-Alkyl-5.5'- Dihalogen - Thioindigos and a Process of Preparing Them. June 23, 1936.

Pat. 2,045,476. Printing Preparations and a Process of Printing with Said Preparations. June 23, 1936.

Pat. 2,045,477. Leuco Vat Dyestuff Paste for Printing Cloth. June 23, 1936.

Pat. 2,045,553. Stable Reduction Products of Dyestuffs of the Indigo Series, and a Process of Producing Same. June 23, 1936.

Pat. 2,045,817. Condensation Products of the Anthraquinone Series. June 30, 1936.

Pat. 2,046,249. Aminopyrene-Sulphonic Acids and a Process of Preparing Them. June 30, 1936.

Pat. 2,046,254. Vat Dyestuffs Derived from Acenanthrenequinone and Process of Preparing Them. June 30, 1936.

Pat. 2,046,425. Process of Producing Azo Dyestuffs on the Fiber. July 7, 1936.

Pat. 2,046,835. Acid Dyestuffs of the Anthraquinone Series. July 7, 1936.

Pat. 2,047,066. Softening Agent. July 7, 1936.

Pat. 2,047,069. Amides. July 7, 1936.

Pat. 2,047,513. Arylamides of an Asymmetrical Ortho-Xylenol-Carboxylic Acid and Process of Making Same. July 14, 1936.

Pat. 2,047,514. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. July 14, 1936.

Pat. 2,047,515. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. July 14, 1936.

Pat. 2,047,910. Mordant-Dyeing Monoazo Dye and Its Production. July 14, 1936.

Pat. 2,049,007. Water-Insoluble Azo-Dyestuffs and Fiber Dyed Therewith. July 28, 1936.

Pat. 2,049,674. Azodyestuffs and Intermediate Products Therefor. Aug. 4, 1936.

Pat. 2,050,657. Process of Preparing 1.4.5.8-Naphthalene-Tetra-Carboxylic Acid. Aug. 11, 1936.

Pat. 2,050,660. N-Substitution Products of 1.4-Diaminoanthraquinones. Aug. 11, 1936.

Pat. 2,050,661. N-Substitution Products of 1.4-Diaminoanthraquinones. Aug. 11, 1936.

Pat. 2,050,662. N-Substitution Products of 1.4-Diaminoanthraquinones. Aug. 11, 1936.

Pat. 2,050,704. Process of Producing N-Substitution Products of 1.4-Diaminoanthraquinones. Aug. 11, 1936.

Pat. 2,050,811. Primary Disazo Compounds. Aug. 11, 1936.

Pat. 2,050,958. 3-Hydroxydiphenyleneoxide-2-Carboxylic Acid. Aug. 11, 1936.

Pat. 2,051,004. Process of Producing N-Substitution Products of 1.4-Diaminoanthraquinones. Aug. 11, 1936.

Pat. 2,051,005. Process of Producing N-Substitution Products of 1.4-Diaminoanthraquinones. Aug. 11, 1936.

Pat. 2,051,123. Production of Mixtures of Secondary and Tertiary Aromatic Amines and Process of Preparing Them. Aug. 18, 1936.

Pat. 2,051,133. Azodyestuffs Containing Copper in a Complex Form. Aug. 18, 1936.

Pat. 2,051,148. Watersoluble Diazoamino Compounds. Aug. 18, 1936.

Pat. 2,052,216. 4-Hydroxy-Pyrene and Process of Preparing It. Aug. 25, 1936.

Pat. 2,052,833. Process of Preparing Metalliferous Hydroxyquinoline Azo Dyestuffs. Sept. 1, 1936.

Pat. 2,053,041. Dyestuff Mixture. Sept. 1, 1936.

Pat. 2,053,394. Azo Dyestuffs and Their Production. Sept. 8, 1936.

Pat. 2,053,745. Process of Preparing a Solid Tetrazo Salt. Sept. 8, 1936.

Pat. 2,054,056. Azo Dyestuffs. Sept. 8, 1936.

Pat. 2,054,057. Azo Dyestuffs Containing Chromium. Sept. 8, 1936.

Pat. 2,054,334. Vat Dyestuffs of the Perylene Series. Sept. 15, 1936.

Pat. 2,054,397. Azodyestuffs and Intermediate Products Therefor. Sept. 15, 1936.

Pat. 2,054,489. Azodyestuffs Containing Chromium. Sept. 15, 1936.

Pat. 2,054,490. Chromium Complex Compounds. Sept. 15, 1936.

Pat. 2,054,829. Water Insoluble Azo Dyestuffs Derived from Dihydrobenzocarbazoles. Sept. 22, 1936.

Pat. 2,055,050. Azo-Dyes. Sept. 22, 1936.

Pat. 2,055,074. Monoazo Dyestuffs. Sept. 22, 1936.

Pat. 2,055,377. Mono-Azodyestuffs. Sept. 22, 1936.

Pat. 2,055,741. Azodyestuffs. Sept. 29, 1936.

Pat. 2,055,746. Sulphur Dye Preparations. Sept. 29, 1936.

Pat. 2,055,792. Hydroxyphenylaminoanthracenes. Sept. 29, 1936.

Pat. 2,055,798. Ketones of the Anthracene Series. Sept. 29, 1936.

Pat. 2,055,933. Production of Compounds of Esters of Strong Acids with Anthrapyrimidines. Sept. 29, 1936.

Pat. 2,056,539. Azo-Dyestuffs and Process of Making Same. Oct. 6, 1936.

Pat. 2,056,548. Anthrapyrimidone Sulphonic Acids and Process of Preparing the Same. Oct. 6, 1936.

Pat. 2,056,899. Substituted Amino-Trifluoro-Methyl-Benzenes. Oct. 6, 1936.

Pat. 2,057,455. Green Azodyestuffs. Oct. 13, 1936.

Pat. 2,057,948. Process of Preparing Indole Compounds. Oct. 20, 1936.

Pat. 2,058,222. Water-Insoluble Azo-Dyestuffs. Oct. 20, 1936.

Pat. 2,059,094. Azo Dyestuffs and Their Production. Oct. 27, 1936.

Pat. 2,059,466. Aromatic Imino Compounds and Process of Making Them. Nov. 3, 1936.

Pat. 2,059,476. Dyestuff of the Anthraquinone Series. Nov. 3, 1936.

Pat. 2,059,512. Monoazodyestuffs. Nov. 3, 1936.

Pat. 2,059,800. 4-Amino-Dinitro-Diphenylamines and Process of Preparing Them. Nov. 3, 1936.

Pat. 2,060,381. Metalliferous Hydroxyazo Dyes and Their Production. Nov. 10, 1936.

Pat. 2,060,563. Azo Dyestuffs Containing Chromium and Process of Preparing Them. Nov. 10, 1936.

Pat. 2,061,104. Azo Dyestuffs. Nov. 17, 1936.

Pat. 2,061,126. Water-Insoluble Azo Dyestuffs and Fiber Dyed Therewith. Nov. 17, 1936.

Pat. 2,061,159. Azodyestuffs and Their Production. Nov. 17, 1936.

Pat. 2,061,551. Disazodyestuffs. Nov. 24, 1936.

Pat. 2,061,860. Method of Dyeing and Printing Vegetable and Artificial Fibers. Nov. 24, 1936.

Pat. 2,062,458. Manufacture of Py-3-Hydroxytetrahydroxynaphthoquinolines. Dec. 1, 1936.

Pat. 2,062,547. Copper and Chromium Containing Acid Monoazo Dyestuffs. Dec. 1, 1936.

Pat. 2,062,614. Benzophenanthrenarylides. Dec. 1, 1936.

Pat. 2,062,842. Sulphation Products of Aliphatic Carbinols and a Process of Preparing Them. Dec. 1, 1936.

Pat. 2,063,147. Vat or Sulphur Dyestuff Preparation. Dec. 8, 1936.

Pat. 2,063,272. Rotproof Materials from Cellulose Fibers. Dec. 8, 1936.

Pat. 2,063,568. Dyestuffs of the Pyrene Series and Process of Preparing Them. Dec. 8, 1936.

Pat. 2,064,258. Triphenylmethane Dyestuffs. Dec. 15, 1936.

Pat. 2,065,026. Polynuclear Condensation Products Containing Keto Groups and Process of Producing Same. Dec. 22, 1936.

Pat. 2,065,680. Mono-Azodyestuffs. Dec. 29, 1936.

Pat. 2,065,900. Dihydroxystilbene-Dicarboxylic Acid and a Process of Preparing It. Dec. 29, 1936.

Pat. 2,066,707. Acid Wool Dyestuffs of the Anthraquinone Series. Jan. 5, 1937.

Pat. 2,066,915. Dioxazine Dyestuffs and a Process of Preparing Them. Jan. 5, 1937.

Pat. 2,066,985. Water-Insoluble Azodyestuffs. Jan. 5, 1937.

Pat. 2,066,986. Water-Insoluble Azodyestuffs. Jan. 5, 1937.

Pat. 2,067,127. Condensation Products of the Azabenzanthrone Series and Process of Making the Same. Jan. 5, 1937.

Pat. 2,067,132. Solid Diazo Salts. Jan. 5, 1937.

Pat. 2,067,138. Nuclear Substituted Acenaphthalic Acids and 1.4.5.8-Naphthalenetetracarboxylic Acids and Process of Preparing Them. Jan. 5, 1937.

Pat. 2,067,149. Azodyestuffs Insoluble in Water. Jan. 5, 1937.

Pat. 2,067,468. Acid Wool Dyestuffs of the Anthraquinone Series. Jan. 12, 1937.

Pat. 2,067,469. Acid Wool Dyestuffs of the Anthraquinone Series. Jan. 12, 1937.

Pat. 2,067,725. Azo Dyes for Acetate Silk and Their Production. Jan. 12, 1937.

Pat. 2,067,726. Water Insoluble Monoazo Dyes. Jan. 12, 1937.

Pat. 2,068,056. Acid Safranine Dyestuffs. Jan. 19, 1937.

Pat. 2,068,172. Mono-Azodyestuffs. Jan. 19, 1937.

Pat. 2,068,197. Production of Beta-Brazin-5.11-Dione. Jan. 19, 1937.

Pat. 2,068,800. Indol Sulphonic Acids. Jan. 26, 1937.

Pat. 2,068,989. Sulphonic Acids of Anthrapyrimidines. Jan. 26, 1937.

Pat. 2,069,039. Arylamino-Hydroxybenzenes. Jan. 26, 1937.

Pat. 2,069,158. Disazo-Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Jan. 26, 1937.

Pat. 2,069,159. Substituted Aminochrysenes. Jan. 26, 1937.

Pat. 2,069,473. Nitrogenous Condensation Products. Feb. 2, 1937.

Pat. 2,069,475. Dyestuffs of the Gallocyanine Series. Feb. 2, 1937.

Pat. 2,069,662. Production of 2.3-Dihydroindoles. Feb. 2, 1937.

Pat. 2,069,663. Vat Dyestuffs of the Anthraquinone Series and a Process of Preparing Them. Feb. 2, 1937.

Pat. 2,069,670. Thiazine Dyestuff and Process of Preparing It. Feb. 2, 1937.

Pat. 2,069,740. Monoazo Dyestuffs. Feb. 9, 1937.

Pat. 2,069,743. Azo Dyestuffs and Their Production. Feb. 9, 1937.

Pat. 2,070,104. Azodyestuffs Insoluble in Water. Feb. 9, 1937.

Pat. 2,070,119. Azo-Dyestuffs Insoluble in Water. Feb. 9, 1937.

Pat. 2,070,127. Process of Preparing Compounds of the Thiourea Series. Feb. 9, 1937.

Pat. 2,070,275. Colored Salts of Organic Ammonia Derivatives and Acid Derivatives of Nitrated Anilines. Feb. 9, 1937.

Pat. 2,070,739. Vat Dyestuff Preparation in Powder Form Especially Suitable for Printing. Feb. 16, 1937.

Pat. 2,071,130. Dyestuffs of the Pyrone Series. Feb. 16, 1937.

Pat. 2,071,372. Dyestuffs of the Fluorindine Series and a Process of Preparing Them. Feb. 23, 1937.

Pat. 2,071,468. Manufacture of Perylene. Feb. 23, 1937.

Pat. 2,071,702. Hydroxycarbazole Carboxylic Acid Arylamides. Feb. 23, 1937.

Pat. 2,072,062. Process of Dyeing Cellulose, Cotton or the Like. Feb. 23, 1937.

Pat. 2,072,288. Water Insoluble Azodyestuffs. Mar. 2, 1937.

Pat. 2,072,401. Phenyl-Pyridinium Sulphonic Acid Dyestuffs and a Process of Preparing Them. Mar. 2, 1937.

Pat. 2,072,539. Acid Triphenylmethane Dyestuffs. Mar. 2, 1937.

Pat. 2,073,000. Trisazodyestuffs. Mar. 9, 1937.

Pat. 2,073,022. Process for Effecting Carbazole Ring Formation of Compounds of the Anthraquinone Series. Mar. 9, 1937.

Pat. 2,073,086. Dyestuffs of the Xanthone Type and Process for Producing the Same. Mar. 9, 1937.

Pat. 2,073,098. Separation of Vat Dyestuff Isomers of the Naphthoylene Diarylimidazole Series. Mar. 9, 1937.

Pat. 2,073,116. Vat Dyestuff Preparations. Mar. 9, 1937.

Pat. 2,073,470. Mono Azo Dyestuffs. Mar. 9, 1937.

Pat. 2,074,645. Pyrene Compounds. Mar. 23, 1937.

Pat. 2,075,076. Monoazodyestuffs. Mar. 30, 1937.

Pat. 2,075,347. Tertiary Amines of the Benzene Series and a Process of Making the Same. Mar. 30, 1937.

Pat. 2,075,393. Hydroxyphenylaminoaryles of the Pyrene and Chrysene Series and Process of Producing Same. Mar. 30, 1937.

Pat. 2,075,455. Compounds of the Dibenzanthrone Series. Mar. 30, 1937.

Pat. 2,075,456. Compounds of the Dibenzanthrone Series. Mar. 30, 1937.

Pat. 2,076,143. Sulphur Dyes. Apr. 6, 1937.

Pat. 2,076,144. Vat Dyes. Apr. 6, 1937.

Pat. 2,076,872. Indigoid Vat Dyestuffs. Apr. 13, 1937.

Pat. 2,076,921. Azo Dyestuffs. Apr. 13, 1937.

Pat. 2,077,062. Azo-Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Apr. 13, 1937.

Pat. 2,077,063. Polymethine Dyestuffs and a Process of Preparing Them. Apr. 13, 1937.

Pat. 2,077,064. Condensation Products of the Acridine Series. Apr. 13, 1937.

Pat. 2,077,528. Azo Dyestuffs. Apr. 20, 1937.

Pat. 2,077,529. Sulphone Compounds. Apr. 20, 1937.

Pat. 2,077,539. Acid Wool Dyestuffs of the Anthraquinone Series. Apr. 20, 1937.

Pat. 2,077,863. Dyestuffs of the Oxazine Series and a Process of Preparing Them. Apr. 20, 1937.

Pat. 2,077,887. Dyestuffs of the Dioxazine Series Soluble in Water and a Process of Preparing Them. Apr. 20, 1937.

Pat. 2,077,893. Vat Dyestuffs of the Dibenzanthrone Series. Apr. 20, 1937.

Pat. 2,077,903. Process of Preparing 3-Aminoquinolines. Apr. 20, 1937.

Pat. 2,078,538. 4.5-Alkylsubstituted 2-Aminodiarylketones and Process of Preparing Them. Apr. 27, 1937.

Pat. 2,078,625. 5-Hydroxy-Hydrindene-Ortho-Carboxylic Acid. Apr. 27, 1937.

Pat. 2,078,996. New Dyestuffs of the Anthraquinone Series. May 4, 1937.

Pat. 2,079,463. Vat Dyestuffs of the Anthraquinone-Azine Series. May 4, 1937.

Pat. 2,079,499. Monoazo Dyestuffs. May 4, 1937.

Pat. 2,079,927. Thiazole Compounds. May 11, 1937.

Pat. 2,079,940. Pyridino Acylamino Anthraquinones. May 11, 1937.

Pat. 2,080,057. Aromatic Condensation Products. May 11, 1937.

Pat. 2,080,543. Treatment of Dyeings Prepared on Cellulose Materials by Means of Substantive Dyestuffs. May 18, 1937.

Pat. 2,080,704. Nitro-Dyestuffs and a Process of Preparing Them. May 18, 1937.

Pat. 2,081,017. Vat-Dyestuffs Preparations. May 18, 1937.

Pat. 2,081,244. Monoazo Dyes for Coloring Cellulose Esters. May 25, 1937.

Pat. 2,081,359. Anthraquinone Dyestuffs Capable of Being Chromed. May 25, 1937.

Pat. 2,081,718. Production of Aminoalkyl Sulphones. May 25, 1937.

Pat. 2,082,192. Acid Wool Dyestuffs of the Anthraquinone Series. June 1, 1937.

Pat. 2,082,275. Substituted Betaines. June 1, 1937.

Pat. 2,082,344. High Molecular Dyestuffs of the Dioxazine Series. June 1, 1937.

Pat. 2,082,358. 2-Methyl-3-Hyuroxyquinoline-4-Carboxylic Acids and a Process of Preparing Them. June 1, 1937.

Pat. 2,082,495. Azo Dyestuffs. June 1, 1937.

Pat. 2,083,018. Quinone Azo-Dyestuffs Soluble in Water and a Process of Preparing Them. June 8, 1937.

Pat. 2,083,019. Polyazo-Dyestuffs Soluble in Water and Process of Preparing Them. June 8, 1937.

Pat. 2,083,216. Monoazo Dyes. June 8, 1937.

Pat. 2,083,619. Method for the Preparation of Azo Dyes. June 15, 1937.

Pat. 2,083,888. Production of Dyestuffs of the Triarylmethane Series. June 15, 1937.

Pat. 2,083,890. Diamino Compounds and Process of Making Same. June 15, 1937.

Pat. 2,083,891. Sulphur Dyestuffs Derived from Indophenols. June 15, 1937.

Pat. 2,084,555. Colored Rubber Products and a Process of Producing Them. June 22, 1937.

Pat. 2,085,315. Ortho-Aminoazo Compound. June 29, 1937.

Pat. 2,085,809. Process for Dyeing Pelts, Hairs and Feathers. July 6, 1937.

Pat. 2,086,029. Nitro-Compound of Substituted Benzotrifluorides and Process of Preparing Them. July 6, 1937.

Pat. 2,086,031. Disazo Dyestuffs. July 6, 1937.

Pat. 2,086,337. Process for the Manufacture of Mixed Quinone Dyestuffs. July 6, 1937.

Pat. 2,086,690. Sulphonation Products of Acylated Amines and Process of Making Same. July 13, 1937.

Pat. 2,086,691. Process for Producing Amino Compounds of the Quinoline Series. July 13, 1937.

Pat. 2,086,704. Compounds of the Azabenzanthrone Series. July 13, 1937.

Pat. 2,086,822. Process for Producing Aromatic Asymmetrical Thiourea Derivatives. July 13, 1937.

Pat. 2,086,843. Anthraquinone Acridone Carbazoles. July 13, 1937.

Pat. 2,086,871. Dyestuffs of the Dioxazine Series. July 13, 1937.

Pat. 2,086,880. Polyazodyestuffs. July 13, 1937.

Pat. 2,087,133. Dyestuffs of the Naphthalene-1.4.5.8-Tetracarboxylic Acid Diimide Series. July 13, 1937.

Pat. 2,087,284. Process of Reserving Animal Fibers in Mixed Fabrics. July 20, 1937.

Pat. 2,087,425. Monoazodyestuffs. July 20, 1937.

Pat. 2,087,438. Dyestuffs of the Anthraquinone Series. July 20, 1937.

Pat. 2,087,565. Quaternary Ammonium Compounds and a Process of Preparing Them. July 20, 1937.

Pat. 2,087,715. Aromatic Acid Amides Containing the Trichloromethyl Group and a Process of Preparing Them. July 20, 1937.

Pat. 2,088,328. Monoazo Dyes and Process for Manufacturing the Same. July 27, 1937.

Pat. 2,088,353. Complex Metal Compounds of Azo Dyestuffs and Process for Their Production. July 27, 1937.

Pat. 2,088,907. Polyazo Dyestuffs. Aug. 3, 1937.

Pat. 2,088,911. Azo Dyestuffs and a Process of Making Them. Aug. 3, 1937.

Pat. 2,088,912. 2.4-Dimethyl-3-or-5-Nitrobenzylchloride and Process for Manufacturing the Same. Aug. 3, 1937.

Pat. 2,089,435. Vat Dyestuffs of the Anthraquinone Series. Aug. 10, 1937.

Pat. 2,089,569. Addition Products of Glycide to Organic Compounds. Aug. 10, 1937.

Pat. 2,089,633. Polymethine Dyestuffs. Aug. 10, 1937.

Pat. 2,089,920. Process for Developing Fabrics Printed with Vat Dyestuffs. Aug. 10, 1937.

Pat. 2,089,971. Condensation Products of 2.3-Hydroxynaphthoic Acid. Aug. 17, 1937.

Pat. 2,090,023. Anthraquinone Dyestuffs. Aug. 17, 1937.

Pat. 2,090,173. Diphenyl Derivatives and a Process of Preparing Them. Aug. 17, 1937.

Pat. 2,090,603. Condensation Products of 2.3-Hydroxynaphthoic Acid. Aug. 17, 1937.

Pat. 2,091,257. Water Soluble Salts of Basic Products, viz., of Imidoethers, Imidothioethers, Amidines, or Derivatives Thereof. Aug. 31, 1937.

Pat. 2,091,358. Water Insoluble Azo Dyestuffs. Aug. 31, 1937.

Pat. 2,091,417. Sulphur Dyestuff Preparations. Aug. 31, 1937.

Pat. 2,091,463. Water-Soluble Basic Triphenyl-Methane Dyestuffs. Aug. 31, 1937.

Pat. 2,091,481. Alkylated and Aralkylated Polyaminoanthraquinones. Aug. 31, 1937.

Pat. 2,091,657. Dyestuffs of the Anthraquinone Thio-Ether Series. Aug. 31, 1937.

Pat. 2,092,143. Azodyestuffs and Their Manufacture. Sept. 7, 1937.

Pat. 2,092,359. Solid Diazo Salts. Sept. 7, 1937.

Pat. 2,092,387. Process of Preparing Dioxazine Compounds and Substances so Obtained. Sept. 7, 1937.

Pat. 2,092,397. Production of 1.4-Dihydroxy-Alkylaminoanthraquinone. Sept. 7, 1937.

Pat. 2,092,398. Azo Dyestuffs and Process of Producing Same. Sept. 7, 1937.

Pat. 2,092,399. Dyestuffs of the Dioxazine Series and Process of Preparing Them. Sept. 7, 1937.

Pat. 2,092,517. Condensation Products of the Azabenzanthrone Series. Sept. 7, 1937.

Pat. 2,093,113. Amino-Chrysene-Sulphonic Acids and a Process of Preparing Them. Sept. 14, 1937.

Pat. 2,093,115. Aromatic Amines which Contain the Trifluoromethyl Group and a Process of Preparing Them. Sept. 14, 1937.

Pat. 2,093,214. 2-Acylacetylaminothiazole Compounds. Sept. 14, 1937.

Pat. 2,093,511. Azo Dyestuffs. Sept. 21, 1937.

Pat. 2,093,590. 2-Aminoquinizarin and Substitution Products Thereof and a Process of Preparing Them Sept. 21, 1937.

Pat. 2,094,224. Pyrene 3.5.8.10-Tetra-Sulphonic Acid and Derivatives Thereof. Sept. 28, 1937.

Pat. 2,094,227. Monobromopyrene and a Process of Preparing It. Sept. 28, 1937.

Pat. 2,094,414. Azo Dyestuffs. Sept. 28, 1937.

Pat. 2,094,463. Vat Dyestuffs of the Pyridonoanthraquinone Series. Sept. 28, 1937.

Pat. 2,094,832. Complex Metal Azo Compounds. Oct. 5, 1937.

Pat. 2,094,845. Dis- and Tris-Azo Dyestuffs and Process of Making Same. Oct. 5, 1937.

Pat. 2,094,952. Coloring Pelts, Furs, Hairs, Feathers and Products Manufactured from These Materials. Oct. 5, 1937.

Pat. 2,095,070. Dyeing Skins or Pelts. Oct. 5, 1937.

Pat. 2,095,468. Monoazodyestuffs. Oct. 12, 1937.

Pat. 2,095,484. Azodyestuffs. Oct. 12, 1937.

Pat. 2,096,295. Dyestuffs Capable of Being Chromed. Oct. 19, 1937.

Pat. 2,096,533. Basic Nitrogenous Condensation Products and Process of Making Same. Oct. 19, 1937.

Pat. 2,096,534. Quaternary Ammonium Compounds and Process of Making Same. Oct. 19, 1937.

Pat. 2,096,688. Vat Dyestuffs of the Anthraquinone Series and Process of Making Same. Oct. 19, 1937.

Pat. 2,096,896. Azodyestuffs. Oct. 26, 1937.

Pat. 2,097,112. Anthraquinone-Benzacridone Vat Dyestuffs. Oct. 26, 1937.

Pat. 2,097,421. Disazo-Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Oct. 26, 1937.

Pat. 2,097,734. Pigment Azo Dyestuffs. Nov. 2, 1937.

Pat. 2,097,864. Process of Preparing Amino-Carboxylic Acids and Products Obtainable Thereby. Nov. 2, 1937.

Pat. 2,098,097. Condensation Products of 1.2.3.4-Butylene-Dioxides and a Process of Making Same. Nov. 2, 1937.

Pat. 2,098,551. Reaction Products of an Ester-Like Wax and a Base. Nov. 9, 1937.

Pat. 2,098,590. Vat Dyestuffs of the Anthraquinone Series. Nov. 9, 1937.

Pat. 2,098,599. Yellow Substantive Dyestuff for Cotton. Nov. 9, 1937.

Pat. 2,098,643. Water-Soluble Azo-Dyestuffs. Nov. 9, 1937.

Pat. 2,098,782. Azo Dyestuffs. Nov. 9, 1937.

Pat. 2,098,927. 3-Amino-Quinaldine Derivatives and a Process of Preparing Them. Nov. 9, 1937.

Pat. 2,098,967. Azo Dyestuffs. Nov. 16, 1937.

Pat. 2,099,168. Azo Dyestuffs. Nov. 16, 1937.

Pat. 2,099,272. Water-Insoluble Azodyestuffs and Fiber Dyed Therewith. Nov. 16, 1937.

Pat. 2,099,525. Production of Water-Soluble Azo Dyestuffs. Nov. 16, 1937.

Pat. 2,099,689. Water-Insoluble Metal Salts of Phthalocyanine-Sulphonic Acids. Nov. 23, 1937.

Pat. 2,099,690. Water-Insoluble Salts of Phthalocyanine-Sulphonic Acids. Nov. 23, 1937.

Pat. 2,100,798. Condensation Products of Carbenium Compounds and Process of Preparing the Same. Nov. 30, 1937.

Pat. 2,101,321. Hydroxy Compounds of the Dibenzanthrone Series Dec. 7, 1937.

Pat. 2,101,524. Quaternary Ammonium Compounds and Process of Preparing Them. Dec. 7, 1937.

Pat. 2,101,696. Process for Producing Two-Color Effects on Skins or Furs. Dec. 7, 1937.

Pat. 2,102,115. Monoazodyestuffs. Dec. 14, 1937.

Pat. 2,102,593. Azo Dyestuffs. Dec. 21, 1937.

Pat. 2,103,778. Azodyestuffs. Dec. 28, 1937.

Pat. 2,103,846. Triphenylmethane Dyestuffs. Dec. 28, 1937.

Pat. 2,104,092. Quaternary Ammonium Compounds. Jan. 4, 1938.

Pat. 2,104,286. Phosphorous Acid Esters of Hydroxyalkylamino Anthraquinones. Jan. 4, 1938.

Pat. 2,104,505. Dyeings on Cellulosic Fibers. Jan. 4, 1938.

Pat. 2,104,595. Manufacture of Substantive Dyestuffs. Jan. 4, 1938.

Pat. 2,104,891. Vat Dyestuffs of the Acylaminoanthraquinone Series Containing a Thiazolic Radical and Process of Making Same. Jan. 11, 1938.

Pat. 2,105,840. Vat Dyestuffs of the Pyrazinoanthraquinone Series. Jan. 18, 1938.

Pat. 2,105,919. Water Insoluble Ortho-Disazo Dyestuffs and Fiber Dyed Therewith. Jan. 18, 1938.

Pat. 2,105,955. Basic Azo-Dyestuffs and Their Production. Jan. 18, 1938.

Pat. 2,106,539. Stable Diazo Salt Preparations and Process of Preparing Them. Jan. 25, 1938.

Pat. 2,106,876. Azo Dyestuffs. Feb. 1, 1938.

Pat. 2,107,000. Acid Wool Dyestuffs of the Anthraquinone Series. Feb. 1, 1938.

Pat. 2,107,910. 2.6-Dimethylnaphthalene-1-Sulphonic Acid and a Process of Preparing It. Feb. 8, 1938.

Pat. 2,107,911. Process of Preparing 1-Methyl-Naphthalene-7-Sulphonic Acid and 1-Methyl-7-Hydroxynaphthalene. Feb. 8, 1938.

Pat. 2,107,941. Fast Brown Leather Dyestuffs and a Process of Preparing Them. Feb. 8, 1938.

Pat. 2,108,126. Azo-Dyestuffs of the Anthraquinone Series. Feb. 15, 1938.

Pat. 2,108,142. Acid Wool Dyestuffs. Feb. 15, 1938.

Pat. 2,108,144. Vat Dyestuffs Containing Nitrogen and Process of Making Same. Feb. 15, 1938.

Pat. 2,108,413. Condensation Products of the Anthraquinone Series. Feb. 15, 1938.

Pat. 2,108,606. Trifluoromethyl-Phenylsulphides, Oxidation Products Thereof and Process of Preparing the Same. Feb. 15, 1938.

Pat. 2,108,879. 4-Hydroxynaphthostyrile Compounds. Feb. 22, 1938.

Pat. 2,108,994. Dyestuff Printing Paste. Feb. 22, 1938.

Pat. 2,109,024. Production of Azo Dyestuffs. Feb. 22, 1938.

Pat. 2,109,116. Derivatives of the Anthrapyrimidine Series. Feb. 22, 1938.

Pat. 2,109,182. Monoazo Compounds and Their Production. Feb. 22, 1938.

Pat. 2,109,183. Process for the Manufacture of Azo Dyestuffs. Feb. 22, 1938.

Pat. 2,109,401. Aminoalkyl-Sulphonic Acids and Process of Preparing Them. Feb. 22, 1938.

Pat. 2,109,518. Process for Producing Compounds of the Phenanthrene Series. Mar. 1, 1938.

Pat. 2,109,552. Azo Dyestuffs and Their Metalliferous Derivatives. Mar. 1, 1938.

Pat. 2,109,833. New Compounds of the Benzofluoranthene Series. Mar. 1, 1938.

Pat. 2,110,394. Leather Dyed with Mono- or Disazo Dyestuffs. Mar. 8, 1938.

Pat. 2,110,629. Nitro-Derivatives of 2-Hydroxynaphthalene-3-Carboxylic Acid and a Process for Preparing Them. Mar. 8, 1938.

Pat. 2,110,694. Water-Insoluble Azo Dyestuffs. Mar. 8, 1938.

Pat. 2,110,712. Sulphonium Bases. Mar. 8, 1938.

Pat. 2,111,011. Vat Dyestuffs of the Anthraquinone Series. Mar. 15, 1938.

Pat. 2,111,029. Production of Complex Metal Compounds of Azo Dyestuffs. Mar. 15, 1938.

Pat. 2,111,260. Water-Soluble Addition Compounds, Containing Sulphur, of Alkyl or Aralkyl Halides and Processes of Preparing Them. Mar. 15, 1938.

Pat. 2,111,270. Metalliferous Azo Dyestuffs and a Process for Producing Same. Mar. 15, 1938.

Pat. 2,111,559. Azo Dyestuffs Containing a Heavy Metal in a Complex Form. Mar. 22, 1938. Re. 22,046, Mar. 10, 1942.

Pat. 2,111,890. Mono-Azodyestuffs Insoluble in Water. Mar. 22, 1938.

Pat. 2,112,403. Azo Dyestuffs. Mar. 29, 1938.

Pat. 2,113,146. Manufacture of Arylaminonaphthalene Derivatives. Apr. 5, 1938.

Pat. 2,113,151. Monoazo-Dyestuffs. Apr. 5, 1938.

Pat. 2,115,311. Dyestuffs of the Oxazine Series and a Process of Preparing Them. Apr. 26, 1938.

Pat. 2,115,317. Improvements in the Dyeing of Textiles. Apr. 26, 1938.

Pat. 2,115,445. Production of Compounds of the Azabenzanthrone Series. Apr. 26, 1938.

Pat. 2,115,446. Vat Dyestuffs of the Anthraquinoneazine Series. Apr. 26, 1938.

Pat. 2,115,508. Dyestuff Sulphonic Acids of the Dioxazine Series and a Process of Preparing Them. Apr. 26, 1938.

Pat. 2,116,196. Acylated Phthalocyanines. May 3, 1938.

Pat. 2,116,206. Polyazo Dyestuffs. May 3, 1938.

Pat. 2,116,583. Wetting Agents Useful for Alkaline Mercerizing Solution. May 10, 1938.

Pat. 2,116,913. Heavy Metal Azomethine Diarylene Dihydroxylates. May 10, 1938.

Pat. 2,117,431. Esters of Leucoacylamino-Anthrapyrimidines. May 17, 1938.

Pat. 2,117,614. Production of Fast Dyeings. May 17, 1938.

Pat. 2,117,623. Vat-Dyestuff Preparations for Printing Textiles. May 17, 1938.

Pat. 2,117,720. Ketone-Nitrile Condensation Products. May 17, 1938.

Pat. 2,117,730. High-Molecular Organic Compounds. May 17, 1938.

Pat. 2,117,731. Azodyestuffs. May 17, 1938.

Pat. 2,117,733. Azo Dyestuffs. May 17, 1938.

Pat. 2,117,745. Azo Dyes. May 17, 1938.

Pat. 2,117,813. Anthraquinone Derivatives. May 17, 1938.

Pat. 2,118,192. Mixtures of Dyestuffs. May 24, 1938.

Pat. 2,118,661. Azo Dyes and Process for Manufacturing the Same. May 24, 1938.

Pat. 2,118,986. Solid Diazo Salts. May 31, 1938.

Pat. 2,119,123. Condensation Products of the Diphenylamine Series. May 31, 1938.

Pat. 2,119,882. Aminotrifluoromethyl-Aryl-Sulphonic Acids and Process of Preparing Them. June 7, 1938.

Pat. 2,119,891. Nitrosamines. June 7, 1938.

Pat. 2,120,432. O-Hydroxyazo Dyestuffs. June 14, 1938.

Pat. 2,120,560. Azo Dyestuffs and Their Production. June 14, 1938.

Pat. 2,120,573. Acid Wool Dyestuffs. June 14, 1938.

Pat. 2,121,320. Quinophthalonemonosulphonic Acids and Process of Preparing Them. June 21, 1938.

Pat. 2,121,330. Benzene Derivatives Containing Halogenated Methyl Groups and Process of Preparing Them. June 21, 1938.

Pat. 2,121,331. Substitution Products of Diphenylene Oxide and Process of Preparing Them. June 21, 1938.

Pat. 2,121,337. Dyeing Mixed Fibers. June 21, 1938.

Pat. 2,122,127. Ortho-Hydroxyazo Dyes and Process for Manufacturing the Same. June 28, 1938.

Pat. 2,122,137. Alkyloxy and Aryloxy Phthalocyanines. June 28, 1938.

Pat. 2,122,601. Vat Dyestuffs of the Anthraquinone Series. July 5, 1938.

Pat. 2,122,798. Acid Dyestuffs of the Anthraquinone Series Capable of Being Chromed. July 5, 1938.

Pat. 2,123,154. Dyeing of Textiles. July 5, 1938.

Pat. 2,123,245. Naphthene-Hydrocarbon-Amino-Anthrapyrimidines. July 12, 1938.

Pat. 2,123,246. Abietinyl-Amino-Anthrapyrimidines. July 12, 1938.

Pat. 2,123,251. Vat Dyestuffs of the Pyrazine Series. July 12, 1938.

Pat. 2,123,375. Anthraquinonyl Amides of Aromatic Dicarboxylic Acids. July 12, 1938.

Pat. 2,123,748. Metalliferous Nitro-Azo-Dyestuffs July 12, 1938.

Pat. 2,123,749. Polyamino-1.9-Anthrapyrimidines and a Process of Producing Them. July 12, 1938.

Pat. 2,123,834. Oxazole Dyestuffs of the Anthraquinone Series and a Process of Preparing Them. July 12, 1938.

Pat. 2,124,237. Process for Producing Condensation Products of the Anthraquinone Series. July 19, 1938.

Pat. 2,124,238. Process for Producing Pyrimidino-Anthraquinone Derivatives and Products Thereof. July 19, 1938.

Pat. 2,124,299. Phthalocyanine Dyestuff. July 19, 1938.

Pat. 2,124,336. Arylides of Hydroxy-Ortho-Carboxy-Benzoacridones. July 19, 1938.

Pat. 2,124,594. Diazoamino Compounds. July 26, 1938.

Pat. 2,124,863. Methyl-Aminonaphthalene-Sulphonic Acids and Process of Preparing Them. July 26, 1938.

Pat. 2,124,881. Azo Dyes and Process for Manufacturing the Same. July 26, 1938.

Pat. 2,124,891. Compounds of the 3.4.8.9-Dibenzopyrene-5.10-Quinone Series. July 26, 1938.

Pat. 2,124,899. Process for Preparing Azo Dyestuffs on the Fiber. July 26, 1938.

Pat. 2,125,087. Azo Dyestuff Preparations. July 26, 1938.

Pat. 2,125,625. Azo Dyestuffs. Aug. 2, 1938.

Pat. 2,126,360. Polycyclic Compounds from Chrysene and a Process of Preparing Them. Aug. 9, 1938.

Pat. 2,126,468. Azo Dyestuffs. Aug. 9, 1938.

Pat. 2,126,477. Azo Dyestuffs and a Process of Producing Same. Aug. 9, 1938.

Pat. 2,126,841. Azo Dyestuffs and Their Production. Aug. 16, 1938.

Pat. 2,126,964. Printing Animal Fibers. Aug. 16, 1938.

Pat. 2,127,096. Polycyclic Aromatic Aldehydes and Carboxylic Acids and a Process of Preparing Them. Aug. 16, 1938.

Pat. 2,127,470. Production of Metallo Polyazo Dyes. Aug. 16, 1938.

Pat. 2,127,471. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Aug. 16, 1938.

Pat. 2,127,678. Cupriferous Azo Dyestuffs. Aug. 23, 1938.

Pat. 2,127,697. Water-Insoluble Azo Dyestuffs. Aug. 23, 1938.

Pat. 2,127,986. Azo Dyestuffs. Aug. 23, 1938.

Pat. 2,128,153. Polyazo Dyestuffs. Aug. 23, 1938.

Pat. 2,128,255. Azo Dyestuffs. Aug. 30, 1938.

Pat. 2,128,256. Azo Dyestuffs. Aug. 30, 1938.

Pat. 2,128,508. Azo Dyestuffs. Aug. 30, 1938.

Pat. 2,128,514. Vat Dyestuffs and a Process of Preparing Them. Aug. 30, 1938.

Pat. 2,128,537. Disazo Dyestuffs. Aug. 30, 1938.

Pat. 2,128,684. Chrysene Carboxylic Acids and a Process of Preparing Them. Aug. 30, 1938.

Pat. 2,129,136. Solid Diazonium Salt. Sept. 6, 1938.

Pat. 2,129,141. Amino-Anthraquinone Compounds. Sept. 6, 1938.

Pat. 2,129,964. Azo Dyestuffs. Sept. 13. 1938.

Pat. 2,130,016. Dyestuffs of the Dioxazine Series and a Process of Preparing Them. Sept. 13, 1938.

Pat. 2,130,505. Polyamino Carboxylic Acids and Process of Making Same. Sept. 20, 1938.

Pat. 2,131,142. Addition Products of Glycide. Sept. 27, 1938.

Pat. 2,131,176. Vat Dyestuffs of the Benzanthronylaminoanthraquinone Series. Sept. 27, 1938.

Pat. 2,131,480. Vat Dyestuffs of the Anthraquinone Series. Sept. 27, 1938.

Pat. 2,131,712. Organic Dyestuffs and Process for Producing Them. Sept. 27, 1938.

Pat. 2,131,731. Diphenyl Derivative. Oct. 4, 1938.

Pat. 2,131,866. Water Insoluble Azo Dyestuffs. Oct. 4, 1938.

Pat. 2,132,190. Vat Dyestuff. Oct. 4, 1938.

Pat. 2,132,191. Compound of the Pyrazoloanthraquinone Series. Oct. 4, 1938.

Pat. 2,132,193. Production of Partially Hydrogenated Hydroxy Compounds. Oct. 4, 1938.

Pat. 2,133,100. Producing Azanthracene Derivatives. Oct. 11, 1938.

Pat. 2,133,125. Agent for Sizing Textile Fibers and a Process of Applying It. Oct. 11, 1938.

Pat. 2,133,340. Acylamino Phthalocyanine. Oct. 18, 1938.

Pat. 2,133,350. Sulphur Dyes of 3.4.5.6-Dibenzocarbazole. Oct. 18, 1938.

Pat. 2,133,374. Ortho-Hydroxyazo Dyes and Process of Producing the Same. Oct. 18, 1938.

Pat. 2,133,389. 1'-Chloro-1-Methyl-5-Nitronaphthalene and Process for Manufacturing the Same. Oct. 18, 1938.

Pat. 2,133,439. Monoazo Dyestuffs. Oct. 18, 1938.

Pat. 2,133,671. Azo Dyestuffs. Oct. 18, 1938.

Pat. 2,133,780. Chromable Dyestuffs of the Triarylmethane Series and Process of Preparing Them. Oct. 18, 1938.

Pat. 2,134,038. Monoazo Dyestuffs. Oct. 25, 1938.

Pat. 2,134,505. Dyestuff-Sulphonic Acids of the Dioxazine Series and Process of Preparing Them. Oct. 25, 1938.

Pat. 2,134,728. Azo Dyestuffs. Nov. 1, 1938.

Pat. 2,135,008. Water-Insoluble Azo Dyestuffs. Nov. 1, 1938.

Pat. 2,135,258. Leuco Esters of the Anthraquinone Series. Nov. 1, 1938.

Pat. 2,135,259. Esters of High Molecular Weight. Nov. 1, 1938.

Pat. 2,135,433. Azo Dyestuffs. Nov. 1, 1938.

Pat. 2,135,469. Monoazo Dyestuffs. Nov. 1, 1938.

Pat. 2,135,633. Dyeing Process. Nov. 8, 1938.

Pat. 2,136,300. Azo Dyestuffs. Nov. 8, 1938.

Pat. 2,136,507. Dyestuffs of the Safranine Series. Nov. 15, 1938.

Pat. 2,136,757. After-Treatment of Dyeings on Cellulosic Fibers. Nov. 15, 1938.

Pat. 2,137,287. Diamides of Organic Dicarboxylic Acids and Process of Producing Same. Nov. 22, 1938.

Pat. 2,137,295. Nitrogenous Condensation Products and Process of Producing Same. Nov. 22, 1938.

Pat. 2,123,113. Onium-Methyl Benzenes, Useful for Improving the Fastness of Dyeings. Nov. 29, 1938.

Pat. 2,138,381. Compounds of the Anthrapyridine and Anthrapyrimidine Series. Nov. 29, 1938.

Pat. 2,138,457. Process for Improving the Fastness of Dyeings. Nov. 29, 1938.

Pat. 2,138,458. Process for Improving the Fastness of Substantive Dyeings. Nov. 29, 1938.

Pat. 2,138,553. Dyeings on Cellulose Esters. Nov. 29, 1938.

Pat. 2,138,759. Dyestuffs of the Anthracene Series and a Process of Preparing Them. Nov. 29, 1938.

Pat. 2,139,119. Dioxazine Sulphonic Acids. Dec. 6, 1938.

Pat. 2,139,471. Metal Azomethine Compounds. Dec. 6, 1938.

Pat. 2,139,472. Azo Dyestuffs. Dec. 6, 1938.

Pat. 2,139,617. Dyestuff-Sulphonic Acid of the Dioxazine Series. Dec. 6, 1938.

Pat. 2,139,787. Coloring Cellulose Esters. Dec. 13, 1938.

Pat. 2,140,248. Color Lakes. Dec. 13, 1938.

Pat. 2,140,312. Azo Dyestuff. Dec. 13, 1938.

Pat. 2,140,763. Green Orthohydroxyazo Dyes. Dec. 20, 1938.

Pat. 2,140,873. Vat Dyestuffs. Dec. 20, 1938.

Pat. 2,140,944. Azo Dyes. Dec. 20, 1938.

Pat. 2,141,090. N-Substituted Para-Aminobenzaldehydes. Dec. 20, 1938.

Pat. 2,141,707. Vat Dyestuffs of the Triazoloanthraquinone Series. Dec. 27, 1938.

Pat. 2,141,893. Trifluoromethyl-Aryl-Sulphonic Acids and a Process of Preparing Them. Dec. 27, 1938.

Pat. 2,142,594. Water-Insoluble Azo Dyestuffs and Fiber Dyed Therewith. Jan. 3, 1939.

Pat. 2,142,838. Disazo Dyestuffs Soluble in Water. Jan. 3, 1939.

Pat. 2,143,394. Sulphur Dyes. Jan. 10, 1939.

Pat. 2,143,490. Manufacture of Condensation Products of Totally Hydrolized Protein Maternal and Products Thereof. Jan. 10, 1939.

Pat. 2,143,598. Process of Preparing Dyestuff Sulphonic Acids of the Dioxazine Series. Jan. 10, 1939.

Pat. 2,143,717. Vat Dyestuffs of the Anthraquinone Series. Jan. 10, 1939.

Pat. 2,143,830. Vat Dyestuffs Derived from 1.4.5.8-Naphthalene-Tetra-Carboxylic Acid and a Process of Preparing Them. Jan. 10, 1939.

Pat. 2,144,365. Vat Dyestuffs. Jan. 17, 1939.

Pat. 2,144,704. Intermediate for Water-Insoluble Azo Dyestuffs. Jan. 24, 1939.

Pat. 2,145,051. Halogenated Peri-Naphthindenones. Jan. 24, 1939.

Pat. 2,146,646. Vat Dyestuff Printing. Feb. 7, 1939.

Pat. 2,147,401. Water-Soluble Salts of Amidines and Derivatives Thereof. Feb. 14, 1939.

Pat. 2,147,569. Vat Dyestuffs of the Anthraquinone Series. Feb. 14, 1939.

Pat. 2,147,570. Vat Dyestuffs of the Anthraquinone Series. Feb. 14, 1939.

Pat. 2,147,834. Azo Dyestuffs. Feb. 21, 1939.

Pat. 2,148,920. Process for Producing Compounds of the Azole Series. Feb. 28, 1939.

Pat. 2,149,051. Water-Insoluble Azo Dyestuffs. Feb. 28, 1939.

Pat. 2,149,064. Anthraquinone Derivatives and Process of Preparing the Same. Feb. 28, 1939.

Pat. 2,149,073. Azo Dyestuffs. Feb. 28, 1939.

Pat. 2,149,211. Colored Rubber Products and a Process of Producing Them. Feb. 28, 1939.

Pat. 2,149,212. Colored Rubber Products and a Process of Producing Them. Feb. 28, 1939.

Pat. 2,149,236. Azodyestuffs Insoluble in Water and Fiber Dyed Therewith. Feb. 28, 1939.

Pat. 2,149,494. Water-Insoluble Azo Dyestuffs. Mar. 7, 1939.

Pat. 2,150,001. Manufacture of Di-(γ-Chloro-Hydroxypropyl) Arylamines. Mar. 7, 1939.

Pat. 2,150,772. Dyes. Mar. 14, 1939.

Pat. 2,150,787. Mono-Azo Acid Wool Dyestuff. Mar. 14, 1939.

Pat. 2,150,793. Dyestuffs of the Anthraquinone Series. Mar. 14, 1939.

Pat. 2,150,968. Production of Conversion Products from Cellulose or Cellulosic Materials. Mar. 21, 1939.

Pat. 2,151,513. Sulphur Dyes. Mar. 21, 1939.

Pat. 2,151,518. Azo Dyestuff. Mar. 21, 1939.

Pat. 2,151,531. Copper Complex Compounds of Polyazo Dyestuffs. Mar. 21, 1939.

Pat. 2,151,543. Acid Wool Dyestuff. Mar. 21, 1939.

Pat. 2,151,857. Water Insoluble Azo Dyestuffs. Mar. 28, 1939.

Pat. 2,152,007. Azo Dyestuffs and Their Production. Mar. 28, 1939.

Pat. 2,152,480. Compounds of the Anthraquinone Series. Mar. 28, 1939.

Pat. 2,152,519. Dianthrapyridones. Mar. 28, 1939.

Pat. 2,152,613. Acid Indolephenylmethane Dyestuffs. Mar. 28, 1939.

Pat. 2,152,652. Metalliferous Azo Dyes. Apr. 4, 1939.

Pat. 2,153,018. Disazo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Apr. 4, 1939.

Pat. 2,153,059. Chromable Dyestuffs of the Triarylmethane Series and Process of Preparing Them. Apr. 4, 1939.

Pat. 2,153,531. Metalliferous Azo Dyes. Apr. 4, 1939.

Pat. 2,153,539. Water-Insoluble Azo Dyestuffs and Fiber Dyed Therewith. Apr. 11, 1939.

Pat. 2,153,994. Dehydrobinaphthylenediimines. Apr. 11, 1939.

Pat. 2,154,176. Carbazole Derivatives. Apr. 11, 1939.

Pat. 2,154,186. Water-Soluble Azo Dyestuffs. Apr. 11, 1939.

Pat. 2,154,837. Monoazo Dyestuffs Insoluble in Water. Apr. 18, 1939.

Pat. 2,154,838. Monoazo Dyestuffs Soluble in Water. Apr. 18, 1939.

Pat. 2,154,889. Compounds of the Pyrimidines Series. Apr. 18, 1939.

Pat. 2,154,912. Production of Dyestuffs of the Phthalocyanine Series. Apr. 18, 1939.

Pat. 2,154,926. Dyestuffs of the Triarylmethane Series. Apr. 18, 1939.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 9, 1948

[VOL. 616. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 511,647. ROSS-GOULD CO., St. Louis, Mo. Filed Oct. 28, 1946.

ROSSALOY

FOR COMMINUTED METALLIC MINERALS FOR USE IN POWDERED METALLURGY.
Claims use since Oct. 19, 1945.

CLASS 2

RECEPTACLES

Ser. No. 506,232. DANIEL EISENBERG, Plainfield, N. J. Filed July 25, 1946.

"KLOSET KADDY"

No claim is made to the word "Kloset" apart from the mark.
FOR COLLAPSIBLE COMBINATION SHOE AND CANE AND UMBRELLA HOLDER MADE OF CLOTH, ADAPTED TO BE SUSPENDED IN A CLOSET OR FROM A DOOR OR WALL.
Claims use since July 16, 1946.

CLASS 5

ADHESIVES

Ser. No. 481,279. THE FIRESTONE TIRE AND RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio. Filed Mar. 24, 1945.

LOX

FOR ADHESIVE CEMENT TO BE USED IN ADHERING RUBBER, SYNTHETIC RUBBER, FABRIC, WOOD, METAL, LEATHER, MOLDED SYNTHETIC PLASTIC MATERIAL, AND UPHOLSTERY.
Claims use since Nov. 1, 1944.

Ser. No. 491,096. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J. Filed Nov. 5, 1945.

TEXCEL

Applicant is the owner of registration No. 385,834.
FOR PRESSURE-SENSITIVE ADHESIVE TAPES MADE PRINCIPALLY OF CELLULOSE AND PAPER BACKINGS.
Claims use since Mar. 3, 1939.

Ser. No. 505,804. CIBA LIMITED, Basel, Switzerland. Filed July 18, 1946.

ARALDITE

FOR SYNTHETIC RESINOUS ADHESIVES FOR BONDING METALS, GLASS, CERAMICS, AND/OR PLASTICS.
Claims use since May 15, 1946.

Ser. No. 513,916. THE VITRON CORPORATION, Wilmington, Del. Filed Dec. 7, 1946.

Vitron

FOR CEMENTS THAT CONTAIN GLASS FIBERS AND HAVE ADHESIVE PROPERTIES.
Claims use since Oct. 30, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 508,540. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich. Filed Sept. 5, 1946.

PESTMASTER

FOR INSECTICIDE IN POWDER FORM USED FOR THE CONTROL OF INSECTS.
Claims use since July 15, 1945.

Ser. No. 509,286. JAMES HOWARD HEAL, doing business as Treatment Service and Engineering Company, San Francisco, Calif. Filed Sept. 18, 1946.

FLAXTREAT

No claim is made to the word "Flax" apart from the mark.

FOR GROUND FLAX SEED MIXED WITH OTHER CHEMICALS USED IN TREATING EVAPORATED WATER IN MAKING FRESH WATER FROM BRINE.

Claims use since Aug. 13, 1946.

Ser. No. 519,516. NATHAN B. COOPER, doing business as Cooper Drug Company, Detroit, Mich. Filed Mar. 25, 1947.

ASPIR-PLUS

FOR MEDICINAL TABLETS CONTAINING ACETPHENETIDIN, ASPIRIN, AND CAFFEIN.

Claims use since Mar. 16, 1943.

Ser. No. 523,267. RICHARD HUDNUT, New York, N. Y. Filed May 29, 1947.

DU BARRY ROSE

Applicant is owner of registrations Nos. 37,959, 56,855, 87,889, 88,881, 232,402, 307,276, and 414,195, all for the word "Du Barry." The word "Rose" is disclaimed.

FOR FACE POWDER, ROUGE AND LIPSTICK.

Claims use since Feb. 20, 1947.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 517,116. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Feb. 7, 1947.

CARPENTER
STAINLESS STEEL No. 4-HMo

The words "Carpenter Stainless Steel" are disclaimed apart from the mark.

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS AND SHAPES.

Claims use since Jan. 4, 1947.

CLASS 19

VEHICLES

Ser. No. 486,013. U. S. AUTOMATIC CORPORATION, Amherst, Ohio. Filed July 19, 1945.



No claim is made to the word "Automatic" apart from the mark shown. The border of the shield of the mark is lined for the color red, as is also the cross band and the word "Automatic," the panel between the top of the shield and the cross band being lined for the color blue, and the word "Automatic" appearing on a white backgound.

FOR SCREW MACHINE PRODUCTS—NAMELY, THE FOLLOWING GOODS FOR MOTOR VEHICLES: END CONNECTIONS FOR BRAKE CONTROL RODS, DRIVER'S DOOR HINGES, AND SPRING ADJUSTING KNOBS; ALSO, AXLES FOR FARM VEHICLES, AXLE HOUSINGS, DETACHABLE COUPLING BODIES, SEAT SUPPORT AND BATTERY HOLD-DOWN BOLTS, FLOAT ROD BUTTONS, PLUNGER BUTTONS FOR USE IN VEHICLES SUCH AS TRACTORS AND JEEPS, DRIVE CAPS, TRAILER CONNECTIONS, CONNECTORS, CHECK CUPS, DRILLED, STIPPED, AND TAPERED DOWELS, TRAILING AXLE KNUCKLE DISKS, HANGERS, BRAKE SHOE HANGERS, HUBS, BAR LATCHES, BREATHER NIPPLES, AIR FILTER NUTS, RUDDER STUFFING BOX PACKING NUTS, STEERING BAND ADJUSTING NUTS, TIE ROD NUTS, STEERING BRAKE DRUM GEAR NUTS, BELL CRANK PINS, BRAKE ANCHOR PINS, CLEVIS PINS, COMPENSATING CHAIN PINS, COUPLING PINS, DRAG LINK PINS, EJECTOR PINS, EYE BOLT PINS, FLOAT LEVER PINS, DRIVER'S DOOR HOLD-OPEN PINS, FRONT WHEEL STEERING KNUCKLE PINS, HAND BRAKE BELL CRANK PIVOT PINS, INNER THRUST WASHER DRIVE PINS, DRIVER'S DOOR OPERATING LEVER LINK PINS, SPRING SHACKLE PINS, SIDE GUARD LOCK HINGE PINS, STEERING ROD PINS, STEERING LEVER LATCH GUIDE PINS, THROTTLE CONTROL HAND LEVER PINS, TRANSMISSION CRANK OIL PINS, TRIGGER SLIDE PINS, TRUNNION PINS, YOKE PINS, RADIATOR INLET PIPES, STEP HANGER BOLTING PLATES, PRELOADING COLLAPSING RODS, LOST MOTION SLEEVES, STEERING CRANK PIN SLEEVES, DRIVER'S DOOR HOLD-OPEN PIN STOPS, RADIATOR TOP TANK STUDS, AND WHEEL STUDS.

Claims use since June 24, 1942.

Ser. No. 496,960. IRVING HERMAN AND ANNA HERMAN, doing business as Glostex Products, Chicago, Ill., assignor to Glostex Products, Inc., Chicago, Ill., a corporation of Illinois. Filed Feb. 20, 1946.

GLOSTEX

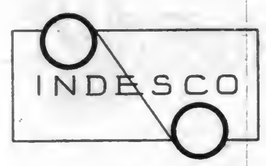
FOR AUTOMOBILE SEAT COVERS.

Claims use since Feb. 15, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 506,666. INDUSTRIAL ELECTRONICS SERVICE CO., Brooklyn, N. Y. Filed Aug. 1, 1946.



The schematic drawing of the tape and reels shown is disclaimed except in connection with the remainder of the mark as shown.

FOR MAGNETIC WIRE RECORDERS, WIRE WINDING REELS THEREFOR, AUDIO AMPLIFIERS, RADIO RECEIVERS, ELECTRIC MOTOR CLUTCHES, RADIO TRANSMITTERS, MAGNETIC TAPE RECORDERS, RADIO TUNING DIALS, CONDENSERS, AND COILS AND ELECTRONIC CONTROL TUBES.

Claims use since Nov. 15, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 500,902. SAXON TOY CORPORATION, Brooklyn, N. Y. Filed Apr. 25, 1946.

STRIKE-LITE

The word "Lite" is disclaimed apart from the mark as shown.

FOR ELECTRICALLY ACTUATED BOARD-TYPE BASEBALL GAME UTILIZING STEEL BALLS AND A DIAL INDICATOR.

Claims use since Mar. 1, 1946.

Ser. No. 500,904. SAXON TOY CORPORATION, Brooklyn, N. Y. Filed Apr. 25, 1946.

TRAVEL-LITE

The word "Lite" is disclaimed apart from the mark as shown.

FOR AN ELECTRICALLY ACTUATED BOARD-TYPE GEOGRAPHIC GAME UTILIZING ARROW INDICATORS, PLASTIC TOY PLANES, AND A MAP OF THE UNITED STATES.

Claims use since Mar. 1, 1946.

Ser. No. 501,336. "PENDULA" PRODUCTS COMPANY, East Woodbury, N. J. Filed May 2, 1946.

"Pendula"

FOR JUVENILE AMUSEMENT DEVICES—NAMELY, LAWN, NURSERY, AND PLAYROOM SWINGS IN WHICH ARCUATE MOTION TAKES PLACE ABOUT ONE OR MORE FIXED AXES, AND ARCUATE SWINGS AND GLIDERS WHERE THE ARCUATE MOVEMENT TAKES PLACE GENERALLY PARALLEL TO ONE OR MORE ARCUATE TRACKS OR SUPPORTING SURFACES.

Claims use since Apr. 15, 1946.

Ser. No. 501,337. "PENDULA" PRODUCTS COMPANY, East Woodbury, N. J. Filed May 2, 1946.

"Modeleisure"

FOR JUVENILE AMUSEMENT DEVICES—NAMELY, LAWN, NURSERY, AND PLAYROOM SWINGS IN WHICH ARCUATE MOTION TAKES PLACE ABOUT ONE OR MORE FIXED AXES, AND ARCUATE SWINGS AND GLIDERS WHERE THE ARCUATE MOVEMENT TAKES PLACE GENERALLY PARALLEL TO ONE OR MORE ARCUATE TRACKS OR SUPPORTING SURFACES.

Claims use since Apr. 15, 1946.

Ser. No. 505,482. JOHN COMFORT, Nahant, Mass. Filed July 12, 1946.



The word "Play" is disclaimed apart from the mark.

FOR A GAME OF SKILL EMPLOYING A GAME BOARD HAVING A PLURALITY OF POCKETS FOR RECEIVING BALLS USED BY THE PLAYERS IN THE PLAYING THEREOF.

Claims use since June 3, 1946.

Ser. No. 507,256. HANNA W. JOHNSON, Des Moines, Iowa. Filed Aug. 12, 1946.

Kno-Yo-Notes

FOR CARD GAME.

Claims use since June 26, 1946.

Ser. No. 508,038. JOSEPH J. GILGAN, JR., doing business as Bubble Bait Company, Los Angeles, Calif. Filed Aug. 26, 1946.

BUBBLE BAIT 'EM

The word "Bait" is disclaimed apart from the mark.
FOR ARTIFICIAL FISH BAIT AND LURES.
Claims use since Aug. 1, 1946.

Ser. No. 509,103. ROYAL SOCIETY, INC., New York, N. Y. Filed Sept. 14, 1946.

Royal Society

FOR TOY KITS COMPRISING TEXTILE MATERIAL CUT-OUTS AND NOTIONS FOR ASSEMBLY INTO TOY ANIMALS.
Claims use since Aug. 30, 1946.

Ser. No. 511,193. RAYMOND M. WINNICK, doing business as Toddler Toys, Bridgeport, Conn. Filed Oct. 19, 1946.

TRAYPLAY

FOR EDUCATIONAL TOY COMPRISING A DEVICE TO BE ATTACHED TO AND EXTENDING OVER THE TRAY OF A HIGHCHAIR OR THE LIKE AND HAVING MOUNTED THEREON A PLURALITY OF BEADS AND BLOCKS OF IRREGULAR SHAPE WITH SUITABLE TOYS SUCH AS BEADED DOLLS OR OTHER ATTENTION-ATTRACTING AND AMUSING DEVICES BEING SUSPENDED THEREFROM.
Claims use since May 12, 1946.

Ser. No. 511,362. WALTHER WALSS, Tessin, Switzerland. Filed Oct. 23, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

WAKOUWA

FOR TOY ANIMALS AND FIGURES.
Claims use since January 1926.

Ser. No. 513,523. NATIONAL ORNAMENT CO., New York, N. Y. Filed Nov. 30, 1946.



No claim is made to the words "The Monk" and the representation of the monkey, apart from the mark.
FOR CLIMBING TOY-MONKEY.
Claims use since Oct. 1, 1946.

Ser. No. 518,267. ACCO PRODUCTS CORPORATION, Detroit, Mich. Filed Feb. 28, 1947.



The word "Travel" is disclaimed apart from the mark.
FOR CHILDREN'S TOY CARRIAGES AND CHILDREN'S WAGONS.
Claims use since May 10, 1946.

Ser. No. 520,632. ONNI S. KOSKINEN, Hamtramck, Mich. Filed Apr. 14, 1947.

MINNOW

MAGNET

The word "Minnow" apart from the rest of the mark is disclaimed.
FOR MINNOW TRAPS.
Claims use since Jan. 30, 1947.

Ser. No. 521,131. VIRGIL R. HARSHMAN, South Bend, Ind. Filed Apr. 22, 1947.

TIP·A·LITE

The word "Lite" is disclaimed apart from the mark.
FOR FISHING BOBBERS.
Claims use since July 15, 1946.

Ser. No. 521,436. SAM J. CIFFO, doing business as Columbia Manufacturing Co., Brooklyn, N. Y. Filed Apr. 28, 1947.

Baby Patty

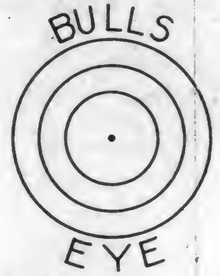
The word "Baby" is disclaimed apart from the mark.
FOR BOXED DRINKING AND WETTING DOLL.
Claims use since Feb. 1, 1947.

Ser. No. 524,834. ANNE TAYLOR, Charlotte, N. C. Filed June 25, 1947.

"SantaSock"

The applicant disclaims the exclusive right to the use of the word "Sock" per se.
FOR CHRISTMAS STOCKINGS, NOT MADE FOR PERSONAL WEAR.
Claims use since Mar. 28, 1947.

Ser. No. 525,403. JOHN REUTER, JR., Sault Sainte Marie, Mich. Filed July 1, 1947.



FOR GOLF CLUBS.
Claims use since June 6, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 525,003. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa. Filed June 27, 1947.

NIRONITE

FOR HIGH NICKEL CHROMIUM ALLOY IRON ROLLS OF THE GRAIN OR INDEFINITE CHILL TYPE FINISHED FOR USE IN ROLLING MILLS OF ALL SORTS.
Claims use since Jan. 30, 1934.

CLASS 33

GLASSWARE

Ser. No. 501,395. THE LIBERTY GLASS COMPANY, Sapulpa, Okla. Filed May 3, 1946.

L-G

Applicant is the sole owner of Trade-Mark 193,540, registered Dec. 30, 1924, and renewed.
FOR BEVERAGE GLASS BOTTLES SOLD TO THE TRADE FOR USE AS CONTAINERS FOR BEVERAGE PRODUCTS.
Claims use since Jan. 15, 1936.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 499,216. ECONOMY SUPPLY COMPANY, Fort Worth, Tex. Filed Mar. 29, 1946.

ESCO

The drawing is lined to indicate the color "Red."
FOR WATER HEATERS, OTHER THAN ELECTRIC.
Claims use since Mar. 1, 1945.

CLASS 39

CLOTHING

Ser. No. 505,571. WILLIAM M. FRAZIN, doing business as Wm. M. Frazin Company, Chicago, Ill. Filed July 13, 1946.



The drawing is lined for the color yellow. Applicant's mark consisting of a yellow rectangular figure located immediately adjacent to and end to end with a black rectangular figure.
FOR NECKTIES.
Claims use since May 25, 1946.

Ser. No. 508,803. NAOMI OWEN MORGAN, doing business as Toni Owen, New York, N. Y. Filed Sept. 10, 1946.

Toni Owen

The name "Toni Owen," a pseudonym of applicant, in a facsimile signature of applicant.
FOR SPORTSWEAR FOR LADIES AND MISSES—NAMELY, SUITS, JACKETS, DRESSES, BLOUSES, SLACKS, STREET DRESSES, COATS, SLACK SETS, SWEATERS AND SKIRTS.
Claims use since Aug. 1, 1945.

Ser. No. 516,481. ROBERT GUGGENHEIM, JR., doing business as Guggenheim Enterprises, Los Angeles, Calif. Filed Jan. 28, 1947.

Solid Sox

The word "Sox" is disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since Dec. 23, 1946.

Ser. No. 517,047. GEAN EDWARDS MANUFACTURING COMPANY, Milwaukee, Wis. Filed Feb. 6, 1947.

WESTMORE

FOR WATER AND WIND REPELLENT JACKETS, FOR MEN AND BOYS.
Claims use since Jan. 2, 1945.

Ser. No. 519,773. UNION PANTS MANUFACTURING COMPANY, Bordentown, N. J. Filed Mar. 28, 1947.

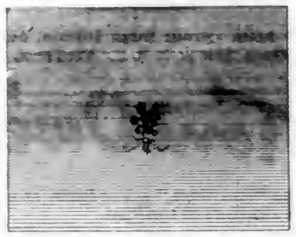
Sampslax

Applicant claims no exclusive right in the word "Slax" except as used in combination with other features of the mark.
FOR MEN'S, YOUTHS', AND BOYS' TROUSERS.
Claims use since Jan. 13, 1947.

CLASS 40

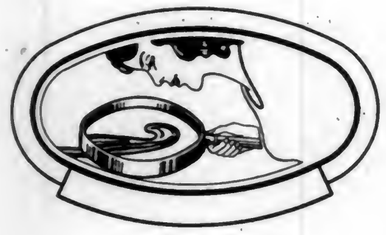
FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 499,321. THE DELONG HOOK AND EYE COMPANY, Philadelphia, Pa. Filed Mar. 30, 1946.



The drawing is lined to indicate the colors blue and red, and these colors constitute a material feature of the mark as used. The trade-mark consists of a blue background having an upper dark blue portion blending into a light blue lower portion, and a bouquet of reddish flowers arranged centrally thereon.
FOR HAIRPINS, SAFETY PINS, AND SNAP FASTENERS.
Claims use since September 1941 on hairpins; and since June 1945 on safety pins and snap fasteners.

Ser. No. 523,237. THE BOYD NEEDLE COMPANY, Chicago, Ill. Filed May 29, 1947.



No claim is made to the mere illustration or representation of a crochet needle or hook. The picture of the lady is a fanciful one and is not the portrait of an individual.
FOR CROCHET NEEDLES FOR HAND USE.
Claims use since Jan. 24, 1917.

CLASS 43

THREAD AND YARN

Ser. No. 509,741. J. THIRIEZ PERE & FILS & CARTIER-BRESSON, SOCIETE A RESPONSABILITE LIMITEE, Lille, France. Filed Sept. 25, 1946.



The words "Cartier-Bresson," "No. 20," and "20 metres" are disclaimed apart from the mark as shown.
FOR COTTON THREAD.
Claims use since 1840.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 500,224. B. H. KARMEN, doing business as French-Kitchen Foods Company, Chatsworth, Calif. Filed Apr. 15, 1946.

MR. ONION

The word "Onion" is disclaimed apart from the word combination "Mr. Onion."
FOR ONION SOUP MIXTURE IN DEHYDRATED FORM.
Claims use since Dec. 5, 1945.

Ser. No. 512,673. THE J. & F. SCHROTH PACKING COMPANY, Cincinnati, Ohio. Filed Nov. 15, 1946.



Applicant owns Reg. Nos. 54,377, 58,310, and 236,173.
FOR LARDS.
Claims use since middle of 1878 and since July 1923 in the design shown.

Ser. No. 517,960. THE CENTRAL OHIO SUPPLY CO., Columbus, Ohio. Filed Feb. 24, 1947.

FRIGID FLAVOR

COLSO

The word "Flavor" is disclaimed apart from the mark.
FOR FOOD FLAVORS IN THE FORM OF CONCENTRATES AND EMULSIONS IN THE FOLLOWING FLAVORS: ANISE, APRICOT, BANANA, BLACK WALNUT, BUTTERSCOTCH, CARAMEL, CHERRY, CINNAMON, CLOVES, COFFEE, CREME DE MENTHE, GINGERALE, GRAPE, LEMON, LIME, MAPLE, NECTAR, ORANGE, PEACH, PEPPERMINT, PINEAPPLE, PISTACHIO, ROOT BEER, RASPBERRY, STRAWBERRY, TANGERINE, ORANGE, VANILLA, WILD CHERRY, AND WINTERGREEN.
Claims use since March 1927.

Ser. No. 523,390. THE K. PRODUCTS CO., Cheyenne, Wyo. Filed June 2, 1947.

BANQUET TIME

FOR MARSHMALLOW CREAM.
Claims use since Feb. 14, 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 504,318. BLAW-KNOX COMPANY, Pittsburgh, Pa. Filed Jan. 19, 1948.

WHITE GLOVE

FOR BRIQUETTED SOLID CARBONACEOUS FUEL CONTAINING ANTHRACITE AND BITUMINOUS COAL.
Claims use since January 1946.

Ser. No. 527,302. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio. Filed July 5, 1947.

SKYLAND

FOR WOOD PULP.
Claims use since Jan. 1, 1926.

Reg. No. 531,643. E. F. BURLINGHAM & SONS, Forest Grove, Oreg. Filed Aug. 18, 1947.

DIXIE WONDER

FOR FIELD SEEDS.
Claims use since 1946.

Ser. No. 531,644. E. F. BURLINGHAM & SONS, Forest Grove, Oreg. Filed Aug. 18, 1947.

Burlingham's DIXIE WONDER

The surname "Burlingham's" is disclaimed apart from the mark.
FOR FIELD SEEDS.
Claims use since 1946.

Ser. No. 535,724. MANDEVILLE & KING COMPANY, Rochester, N. Y. Filed Sept. 25, 1947. Under section 2f of the act of 1946.

MANDEVILLE *Triple-Tested*

The words "Triple-Tested" are disclaimed apart from the mark. Applicant claims ownership of registration No. 307,521.
FOR FLOWER SEEDS.
Claims use since May 1, 1932.

Ser. No. 537,859. C. E. WILSON NURSERIES, Jacksonville, Tex., and Manchester, Conn. Filed Oct. 14, 1947.

SEAL WILSON NURSERIES KRAFT
"It's Coated"

The words "Wilson Nurseries" and "It's Coated" and the representation of a flower are disclaimed apart from the mark.
FOR NURSERY STOCK—NAMELY, ROSE BUSHES, SHRUBS, VINES, HEDGING, FRUIT TREES, PERENNIALS, EVERGREENS, AND PLANTS.
Claims use since Nov. 28, 1930.

Ser. No. 541,533. FRIEND HIDE CO., Chicago, Ill., and St. Louis, Mo. Filed Nov. 18, 1947.



The representation of a skin is disclaimed apart from the mark.
FOR CATTLE HIDES, SHEEPSKINS, AND CALF SKINS.
Claims use since June 1, 1947.

Ser. No. 541,534. FRIEND HIDE CO., Chicago, Ill., and St. Louis, Mo. Filed Nov. 18, 1947.



The representation of a skin is disclaimed apart from the mark.
FOR CATTLE HIDES, SHEEPSKINS, AND CALF SKINS.
Claims use since Aug. 15, 1947.

Ser. No. 541,649. COURTAULDS, LIMITED, London, England. Filed Nov. 19, 1947.

FIBROCETA

Applicant claims ownership of English registration No. 641,262 dated Oct. 24, 1945.
FOR STAPLE FIBRE MANUFACTURED FROM CELLULOSE ACETATE FOR USE IN THE MANUFACTURE OF TEXTILE YARNS OR THREADS.

CLASS 2

RECEPTACLES

Ser. No. 526,861. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

Two-in-one

Applicant claims ownership of registration No. 126,640.
FOR PARCEL-POST MAILING-ENVELOPES.
Claims use since Aug. 20, 1917.

Ser. No. 527,706. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo. Filed July 5, 1947.

JEMCO

FOR COAL HODS.
Claims use since Apr. 1, 1938.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 551,510. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y. Filed Mar. 9, 1948.

SELECT-O-BILL

The word "Bill" is disclaimed apart from the mark.
FOR COMBINATION BILL FOLDS AND PURSES.
Claims use since Mar. 1, 1948.

Ser. No. 552,968. GAYBRAND BAGS, INC., New York, N. Y. Filed Mar. 25, 1948.

HI SCHOOL

FOR GIRLS' AND MISSES' HANDBAGS AND PURSES OF LEATHER, FABRIC, PLASTIC MATERIALS, AND COMBINATIONS THEREOF.
Claims use since Feb. 3, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 528,522. SHUR GLOSS MFG. CO., Chicago, Ill. Filed July 12, 1947.

SHUR

FOR CLEANING COMPOUND FOR USE IN WASHING AUTOMOTIVE VEHICLES, PAINTED AND TILED SURFACES, FABRICS, CARPETING, UPHOLSTERY, AND COOKING AND EATING UTENSILS.
Claims use since Feb. 1, 1939.

Ser. No. 529,857. ARMOUR AND COMPANY, Chicago, Ill. Filed July 29, 1947.

K.O.P.

FOR SOAP.
Claims use since August 1927.

Ser. No. 534,591. BARTON MANUFACTURING COMPANY, St. Louis, Mo. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

DYANSHINE

Applicant claims ownership of registration No. 131,931.
FOR POLISH FOR LEATHER GOODS.
Claims use since July 15, 1918.

Ser. No. 547,498. UNEK PRODUCTS CO., INC., Oconomowoc, Wis. Filed Jan. 19, 1948.

SMILE SHAVE

The word "Shave" is disclaimed apart from the mark.
FOR SHAVING PREPARATION FOR USE BEFORE AND AFTER SHAVING.
Claims use since Oct. 24, 1947.

Ser. No. 547,626. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed Jan. 21, 1948. Under section 2f of the act of 1946.

ALLWITE

Applicant claims ownership of registration No. 278,479.
FOR PREPARATION IN LIQUID, CREAM, AND PASTE FORM FOR CLEANING AND POLISHING SHOES.
Claims use since Jan. 10, 1919.

CLASS 5

ADHESIVES

Ser. No. 531,386. JAMES B. SIPE AND COMPANY, Pittsburgh, Pa. Filed Aug. 14, 1947.

SI-LAC

FOR CEMENT USED IN ATTACHING GASKETS TO FORM OIL-TIGHT SEALS.
Claims use since Apr. 7, 1938.

Ser. No. 531,596. INLAND RUBBER CORPORATION, Chicago, Ill. Filed Aug. 16, 1947.

INLAND

FOR ADHESIVE CEMENTS AND CEMENTITIOUS VULCANIZING GUMS FOR PATCHING RUBBER GOODS.
Claims use since May 1943.

Ser. No. 531,604. INLAND RUBBER CORPORATION, Chicago, Ill. Filed Aug. 16, 1947.

INLAND

FOR ADHESIVE CEMENTS AND CEMENTITIOUS VULCANIZING GUMS FOR PATCHING RUBBER GOODS.
Claims use since May 1943.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 515,887. MACDERMID INCORPORATED, Waterbury, Conn. Filed Feb. 6, 1948.

ROCHELTEX

FOR LIQUID ADDITION AGENT FOR ELECTROPLATING SOLUTIONS.
Claims use since June 24, 1944.

Ser. No. 516,934. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed July 5, 1947. Under section 2f of the act of 1946.

PECTINA-AGAR
EN
DEXTRO MALTO

Applicant disclaims "Pectina-Agar en Dextro" except in association with the rest of the mark as shown. Applicant claims ownership of registration No. 384,726.
FOR PHARMACEUTICAL PREPARATION CONSISTING OF PECTIN, AGAR, MALTOSE, DEXTRINES, AND SODIUM CHLORIDE USED IN THE TREATMENT OF CERTAIN DISTURBANCES OF NORMAL INTESTINAL FUNCTION.
Claims use since June 27, 1939.

Ser. No. 516,936. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed July 5, 1947. Under section 2f of the act of 1946.

PECTIN-AGAR
IN
DEXTRI-MALTOSE

Applicant disclaims "Pectin-Agar in" and "Maltose" except in association with the rest of the mark as shown. Applicant claims ownership of registration No. 381,541.
FOR PHARMACEUTICAL PREPARATION CONSISTING OF PECTIN, AGAR, MALTOSE, DEXTRINS, AND SODIUM CHLORIDE USED IN THE TREATMENT OF CERTAIN DISTURBANCES OF NORMAL INTESTINAL FUNCTION.
Claims use since June 27, 1939.

Ser. No. 518,648. AUTOMATIC GAS COMPANY OF COLUMBUS, Columbus, Ga. Filed Feb. 11, 1948.

AGCO

FOR BUTANE GAS.
Claims use since Feb. 17, 1947.

Ser. No. 523,452. WRIGHT R. BAKER, Pennsburg, Pa. Filed Dec. 5, 1947.

Lanozol

FOR OINTMENT FOR MINOR BURNS, CUTS AND SCRATCHES, CHAPPED HANDS, AND BITES AND STINGS OF NON-VENOMOUS INSECTS.
Claims use since Sept. 1, 1929.

Ser. No. 523,453. WRIGHT R. BAKER, Pennsburg, Pa. Filed Dec. 5, 1947.

Stirizol

FOR MEDICINAL POWDER FOR MAKING HYGIENIC SOLUTIONS.
Claims use since Apr. 13, 1938.

Ser. No. 528,501. JOSEPH GEORGE NATHANSON, Natick, R. I. Filed July 12, 1947.

EXAVON

FOR TEXTILE TREATMENT CHEMICALS—NAMELY, DETERGENTS, SCOURING AGENTS, DYEING ASSISTANTS, AND PENETRANTS FOR USE IN THE PROCESSING OF TEXTILE FIBERS AND FABRICS, NATURAL AND SYNTHETIC.
Claims use since July 2, 1947.

Ser. No. 528,502. JOSEPH GEORGE NATHANSON, Natick, R. I. Filed July 12, 1947.

EXAMIDE

FOR TEXTILE TREATMENT CHEMICALS—NAMELY, DETERGENTS, SCOURING AGENTS, DYEING ASSISTANTS, AND PENETRANTS FOR USE IN THE PROCESSING OF TEXTILE FIBERS AND FABRICS, NATURAL AND SYNTHETIC.
Claims use since July 1, 1945.

Ser. No. 530,942. EMIL KULP, doing business as Kulp Manufacturing Co., Chicago, Ill. Filed Aug. 9, 1947. The drawing is lined for the colors red and blue.

BRIGHT

FOR SCALP UNCTION.
Claims use since July 11, 1947.

Ser. No. 531,554. VALMOR PRODUCTS CO., Chicago, Ill. Filed Aug. 15, 1947.

Sweet Georgia Brown

Applicant claims ownership of registration No. 241,151.
FOR COCOANUT OIL SHAMPOO; PRESSING OIL; MASSAGE CREAM; NIGHT CREAM; FACE POWDER; LIQUID FACE POWDER; HAIR POMADE; PERFUME; TALCUM POWDER; LEMON VANISHING CREAM; BODY POWDER; CLEANSING CREAM; SKIN OINTMENT; BATH OIL; TEMPLE OIL; SKIN CREAM; BEAUTY CREAM; TURTLE OIL AND LANOLIN CREAM; VANISHING CREAM; LEMON CLEANSING CREAM; LIGHT BROWN CREAM FOR MAKING DARK BROWN SKIN APPEAR LIGHTER; LEMON LOTION; NAIL POLISH; SKIN TONIC; UNDERARM SKIN DEODORANT; BLEACH CREAM; HAND LOTION; HAIR OIL; BRILLIANTINE; TOOTH POWDER; ROUGE; LIPSTICK; EYEBROW PENCIL; COLD CREAM; FACE LOTION; TOILET WATER; PEROXIDE CREAM; GLYCERINE AND ROSE WATER; CREAM-OF-LEMON LOTION; AND BATH SALTS.
Claims use since Feb. 1, 1927.

Ser. No. 533,527. ARMOUR AND COMPANY, Chicago, Ill. Filed Sept. 5, 1947.

HYDROCHOLIN

FOR DEHYDROCHLORIC ACID.
Claims use since 1940.

Ser. No. 533,843. BRISTOL LABORATORIES INC., Syracuse, N. Y. Filed Sept. 9, 1947.

FLO-CILLIN

FOR CRYSTALLINE SODIUM PENICILLIN G.
Claims use since Aug. 19, 1947.

Ser. No. 534,438. HAVILAND LABORATORIES, INC., New York, N. Y. Filed Sept. 13, 1947. Under section 2f of the act of 1946.

Ann Haviland

The mark consists of the facsimile of the signature of Ann Haviland. Applicant claims ownership of registration No. 403,314.
FOR PERFUMES, TOILET WATER, BATH OIL, DUSTING POWDER, TALCUM POWDER, AND SACHET.
Claims use since 1925.

Ser. No. 534,468. FLEXO PREPARATIONS, INC., New York, N. Y. Filed Sept. 13, 1947.

EVENING
WHITE

Applicant claims ownership of registration No. 135,573.
FOR POWDER BASE IN CREAM AND LIQUID FORM AND FACE CREAMS.
Claims use since Oct. 5, 1911, on face creams; and since 1932 on powder base.

Ser. No. 535,004. DESBERGERS LIMITED, Montreal, Canada. Filed Sept. 19, 1947.

OESTRILIN

FOR MEDICINAL PREPARATION IN TABLET FORM HAVING HORMONAL PROPERTIES INDICATED IN THE TREATMENT OF MENOPAUSE AND OTHER DISORDERS.
Claims use since February 1942.

Ser. No. 535,844. HOUBIGANT, INC., New York, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

Chantilly

Applicant claims ownership of registrations Nos. 394,399 and 390,066.
FOR PERFUME, TOILET WATER, LIPSTICK, LIQUID SKIN SACHET, PERFUMED SACHET IN POWDER FORM, BATH SOFTENER, DUSTING POWDER, BRILLIANTINE, AND BATH TABLETS.
Claims use since Feb. 10, 1941.

Ser. No. 536,124. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

LIQUOR SEDANS

FOR ANTISPASMODIC PREPARATION.
Claims use since Jan. 27, 1888.

Ser. No. 536,707. MONROE LABORATORIES, INC., Chicago, Ill. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

MONROE

Applicant claims ownership of registration No. 215,347.
FOR CHEMICAL ANTISEPTIC, INSECTICIDES, GERMICIDE, DISINFECTANT, AND DEODORANT FOR SHEEP, CATTLE, HORSES, SWINE, POULTRY, AND FOR HOUSEHOLD PURPOSES.
Claims use since Dec. 1, 1920.

Ser. No. 539,071. LOUIS NAPOLITAN, doing business as M. Louis Products Co., New York, N. Y. Filed Oct. 25, 1947. Under section 2f of the act of 1946.

M. Louis

Applicant claims ownership of registration No. 415,581.
FOR PERMANENT WAVE LOTION, HAIR-END CREAM, HAIR LACQUER, SHAMPOO, AND COLD WAVE LOTION.
Claims use since June 1939.

Ser. No. 543,705. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif. Filed Dec. 8, 1947.

CE 6

FOR CALCIUM PREPARATION.
Claims use since July 8, 1941.

Ser. No. 543,706. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif. Filed Dec. 8, 1947.

CN 6

FOR IODINE PREPARATION.
Claims use since Jan. 10, 1936.

Ser. No. 543,708. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif. Filed Dec. 8, 1947.

FA-2

FOR FOLIC ACID.
Claims use since Oct. 1, 1947.

Ser. No. 543,710. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif. Filed Dec. 8, 1947.

RIGLAX

FOR LAXATIVES.
Claims use since Jan. 10, 1936.

Ser. No. 543,711. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif. Filed Dec. 8, 1947. Under section 2f of the act of 1946.

TINY TABS

FOR VITAMIN B PREPARATION.
Claims use since Jan. 10, 1936.

Ser. No. 544,656. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Oct. 21, 1947.

METSO

Applicant claims ownership of registration No. 282,440.
FOR SILICATE OF SODA EITHER ALONE OR IN ADMIXTURE WITH OTHER ALKALINE SALTS.
Claims use since Oct. 10, 1930.

Ser. No. 547,320. CARON CORPORATION, New York, N. Y. Filed Jan. 17, 1948.

Applicant claims ownership of registration No. 164,476.
FOR PERFUME, TOILET WATER AND PERFUMED LIQUID BATH PREPARATION FOR SCENTING AND SOFTENING THE WATER.
Claims use since 1943.

Ser. No. 549,614. H. ROBERT BROWN, doing business as Dr. H. Robert Brown, Lewiston, Maine. Filed Feb. 13, 1948. Under section 2f of the act of 1946.

BROWN-SEP

FOR TOOTH POWDER AND MOUTH LOTION FOR THE TREATMENT OF PYORRHEA, INFLAMED AND BLEEDING GUMS, TRENCH MOUTH, THE MOUTH LOTION BEING USED ALSO IN THE TREATMENT OF NASAL CATARRH, TONSILITIS, AND SORE THROAT.
Claims use since Nov. 1, 1922.

Ser. No. 550,837. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France. Filed Feb. 28, 1948.

PHENERGAN

Applicant claims ownership of French registration No. 378,917, filed July 4, 1947.
FOR PRODUCT HAVING ANTI-HISTAMINIC PROPERTIES FOR USE IN THE TREATMENT OF WOUNDS OF HUMAN BEINGS AND ANIMALS.

Ser. No. 551,077. BAYBANK PHARMACEUTICALS, INC., New York, N. Y. Filed Mar. 3, 1948.

LORAKON

FOR MEDICATED GARGLE AND MOUTH WASH.
Claims use since Jan. 6, 1948.

Ser. No. 551,101. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed Mar. 3, 1948.

PRULOSE

FOR LAXATIVE.
Claims use since Jan. 27, 1948.

Ser. No. 551,329. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Mar. 5, 1948.

ESKASUL

FOR SULFONAMIDE PREPARATION.
Claims use since Feb. 17, 1948.

Ser. No. 551,555. JULIUS ELLIOT FROOM, doing business as Elliot Pharmacal Company, Omaha, Nebr. Filed Mar. 9, 1948.

PENADERM

FOR LINIMENT LOTION.
Claims use since Mar. 5, 1948.

Ser. No. 551,815. THE E. L. PATCH COMPANY, Stoneham, Mass. Filed Mar. 12, 1948.

GLYTHEONATE

FOR MEDICINAL PREPARATIONS CONTAINING THEOPHYLLINE SODIUM GLYCINATE AND PHENOBARBITAL USEFUL IN THE TREATMENT OF CIRCULATORY DISEASES.
Claims use since Oct. 1, 1947.

Ser. No. 552,000. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 15, 1948.

PAMISYL

FOR CHEMOTHERAPEUTIC AGENT USED IN THE TREATMENT OF TUBERCULOSIS.
Claims use since Feb. 17, 1948.

Ser. No. 552,023. WALKER VITAMIN PRODUCTS, INC., Mount Vernon, N. Y. Filed Mar. 15, 1948.

DESYLATE

FOR CAPSULES CONTAINING VITAMIN D, SODIUM SALICYLATE, AND ASCORBIC ACID FOR THERAPEUTIC USE.
Claims use since Mar. 1, 1948.

Ser. No. 553,874. ROSEMARIE LEWIS, doing business as Vogarell Products Company, Los Angeles, Calif. Filed Apr. 5, 1948.

SKITCH

FOR SKIN OINTMENT.
Claims use since Mar. 12, 1948.

Ser. No. 553,875. ROSEMARIE LEWIS, doing business as Vogarell Products Company, Los Angeles, Calif. Filed Apr. 5, 1948.

INRAY

FOR OINTMENT USED FOR THE SYMPTOMATIC RELIEF OF NEURALGIA, SCIATICA, RHEUMATIC PAINS, LUMBAGO, MUSCULAR ACHES AND MINOR SPRAINS, AS WELL AS LOCAL CONGESTION DUE TO BRONCHITIS AND COLDS.
Claims use since Mar. 12, 1948.

Ser. No. 554,436. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Apr. 12, 1948.

FICO

Applicant claims ownership of registration No. 131,473.
FOR SULPHUR.
Claims use since May 29, 1917.

CLASS 7

CORDAGE

Ser. No. 544,254. CALIFORNIA COTTON MILLS COMPANY, Oakland, Calif. Filed Dec. 13, 1947. Under section 2f of the act of 1946.

CALIFORNIA SUPER

FOR COTTON TWINES.
Claims use since 1906.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 530,536. MARBLE ARMS & MFG. COMPANY, Gladstone, Mich. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

MARBLE'S

Applicant claims ownership of registration No. 137,511.
FOR AUXILIARY CARTRIDGES, BROKEN SHELL EXTRACTORS, RIFLES AND SHOTGUNS AND COMBINATIONS THEREOF, RIFLE SIGHTS, SHOTGUN SIGHTS, RIFLE RODS, AND GUN CLEANING IMPLEMENTS.
Claims use since Apr. 1, 1911.

Ser. No. 552,942. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Mar. 25, 1948.

FOODLAND

FOR MATCHES.
Claims use since January 1934.

Ser. No. 552,946. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Mar. 25, 1948. Under section 2f of the act of 1946.

Mrs. Lane's

FOR MATCHES.
Claims use since Nov. 1, 1935.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 532,105. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Aug. 22, 1947.

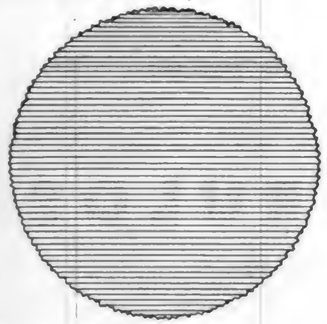
duroqraphic

Applicant claims ownership of registration No. 338,020.
FOR CARBON AND MANIFOLDING CARBON PAPER.
Claims use since Sept. 4, 1935.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 537,406. BERGEN BUILDING BLOCK INC., Ridgefield Park, N. J. Filed Oct. 10, 1947.



The drawing is lined for blue.
FOR CONCRETE PRODUCTS—NAMELY, BLOCKS, BRICKS AND TILES, MADE WITH CEMENT AND SAND, CINDERS, AND OTHER AGGREGATE.
Claims use since Oct. 14, 1939.

Ser. No. 543,372. BLAW-KNOX COMPANY, Pittsburgh, Pa. Filed Oct. 24, 1947. Under section 2f of the act of 1946.

Electroforged

Applicant claims ownership of registration No. 260,390.
FOR METALLIC GRATING AND OPEN FLOORING.
Claims use since May 1928.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 527,049. HAYES TRACK APPLIANCE COMPANY, Richmond, Ind. Filed July 5, 1947. Under section 2f of the act of 1946.

HAYES

FOR TRACK APPLIANCES—NAMELY, BUMPING POSTS, WHEEL STOPS, AND WHEEL RETAINERS.
Claims use since 1924 on bumping posts; since 1928 on wheel stops; and since 1942 on wheel retainers.

Ser. No. 533,825. LUMEN BEARING COMPANY, Buffalo, N. Y. Filed Sept. 8, 1947. Under section 2f of the act of 1946.

STANNUM

Applicant claims ownership of registration No. 178,927.
FOR BEARING METAL.
Claims use since 1910.

Ser. No. 536,739. M. M. YOUNG & COMPANY, INC., Chicago, Ill. Filed Oct. 3, 1947.

LIFE-FLEX

Applicant makes no claim to the word "Flex" apart from the mark.
FOR PROCESSED STEEL COILS AND SLATS FOR USE IN MANUFACTURING VENETIAN BLINDS.
Claims use since Jan. 5, 1940.

Ser. No. 547,085. THE H. A. WILSON COMPANY, Newark, N. J. Filed Jan. 14, 1948.

CIRFLEX

FOR THERMOSTATIC BIMETALS.
Claims use since 1932.

Ser. No. 547,087. THE H. A. WILSON COMPANY, Newark, N. J. Filed Jan. 14, 1948.

MORFLEX

FOR THERMOSTATIC BIMETALS.
Claims use since 1943.

Ser. No. 547,088. THE H. A. WILSON COMPANY, Newark, N. J. Filed Jan. 14, 1948.

SAFLEX

FOR THERMOSTATIC BIMETALS.
Claims use since 1943.

CLASS 15

OILS AND GREASES

Ser. No. 533,569. E. F. HOUGHTON & Co., Philadelphia, Pa. Filed Sept. 5, 1947.

DOUBLE ARROW

FOR LUBRICATING GREASES.
Claims use since Sept. 13, 1934.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 534,279. THE A. S. HARRISON COMPANY, New York, N. Y. Filed Sept. 12, 1947.

K-T

FOR POLISHING AND WAXING PREPARATIONS FOR FLOORS AND SIMILAR SURFACES.
Claims use since November 1946.

CLASS 17

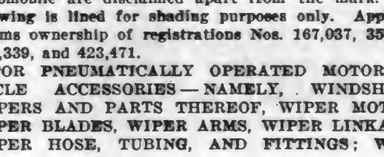
TOBACCO PRODUCTS

Ser. No. 542,446. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., assignor to G. H. P. Cigar Co., Inc., Philadelphia, Pa., a corporation of Maryland. Filed Nov. 26, 1947. Under section 2f of the act of 1946.

LOVERA

Applicant claims ownership of registration No. 421,663.
FOR CIGARS.
Claims use since 1899.

Ser. No. 549,340. ROTHENBERG & SCHLOSS CIGAR COMPANY, Kansas City, Mo. Filed Nov. 8, 1947.



The lining on the drawing represents the color gold.
Applicant claims ownership of registration No. 326,291.
FOR STOGIES AND CIGARS.
Claims use since July 1, 1924, on stogies; and since Jan. 4, 1947, on cigars.

CLASS 19

VEHICLES

Ser. No. 529,437. CLARK EQUIPMENT COMPANY, Buchanan, Mich. Filed July 25, 1947. Under section 2f of the act of 1946.

CLARK EQUIPMENT CO.

The words "Equipment Co." in the mark as shown are disclaimed.
FOR RAILWAY TRUCKS.
Claims use since Apr. 11, 1936.

Ser. No. 529,725. TRICO PRODUCTS CORPORATION, Buffalo, N. Y. Filed July 26, 1947.



The representations of the windshield wiper and the automobile are disclaimed apart from the mark. The drawing is lined for shading purposes only. Applicant claims ownership of registrations Nos. 167,037, 359,478, 421,339, and 423,471.
FOR PNEUMATICALLY OPERATED MOTOR VEHICLE ACCESSORIES — NAMELY, WINDSHIELD WIPERS AND PARTS THEREOF, WIPER MOTORS, WIPER BLADES, WIPER ARMS, WIPER LINKAGES, WIPER HOSE, TUBING, AND FITTINGS; WIND-

SHIELD WASHERS; WINDOW OPERATORS; WINDSHIELD CLEARING FANS; HORNS; VACUUM RESERVE TANKS FOR MOTOR CAR ACCESSORIES; AND MANIFOLD ADAPTERS USED IN CONNECTING ACCESSORIES TO THE MANIFOLD.
Claims use since Feb. 17, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 515,608. THE CLARKE SANDING MACHINE COMPANY, Muskegon, Mich. Filed Nov. 22, 1947.

FLEX-SPINNER

FOR UNITARY PORTABLE HAND OPERATED ELECTRICAL SANDERS AND PARTS THEREOF.
Claims use since Nov. 27, 1946.

Ser. No. 517,268. SPRAGUE ELECTRIC COMPANY, North Adams, Mass. Filed Nov. 14, 1947.

SPIRAMEG

FOR ELECTRICAL RESISTORS.
Claims use since Jan. 25, 1947.

Ser. No. 523,365. EDGAR M. BUTLER, doing business as Butler Engineering Co., New Orleans, La. Filed June 2, 1947.

"BECO"

FOR ELECTROLYTIC APPARATUS FOR DISSOLVING BOILER SCALE AND PREVENTING FURTHER FORMATION OF THE SAME WHICH CONSISTS OF A DEVICE COMPRISING A GALVANIC COUPLE FORMED OF METALS OF DISSIMILAR ELECTROMOTIVE FORCE POTENTIAL.
Claims use since April 1945.

Ser. No. 524,858. CHICAGO TELEPHONE SUPPLY CO., Elkhart, Ind. Filed Nov. 15, 1947.

CTS

Applicant claims ownership of registration No. 304,736.
FOR POTENTIOMETERS OF THE VARIABLE RESISTANCE TYPE USED IN RADIOS; RHEOSTATS, TONE CONTROL SWITCHES, SELECTOR SWITCHES, AND SNAP SWITCHES.
Claims use since Apr. 10, 1930.

Ser. No. 544,285. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed Dec. 13, 1947.

ROEPLASTIC

FOR INSULATED ELECTRICAL WIRE AND CABLE.
Claims use since Aug. 22, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 496,006. THE ALPINE SPORTING GOODS CO., New York, N. Y. Filed Dec. 31, 1947. Under section 2f of the act of 1946.

ALPINE

FOR SKIS, SKI POLES, AND COMPONENT PARTS THEREOF.
Claims use since Jan. 3, 1936.

Ser. No. 530,440. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

San Luis

FOR FISHLINES.
Claims use since Sept. 3, 1924.

Ser. No. 532,199. THE AUTOMATIC RECORDING SAFE COMPANY, Chicago, Ill. Filed Aug. 23, 1947.

THE BRANCH BANK

No claim is made to the exclusive use of the word "Bank" apart from the mark.
FOR SMALL PORTABLE SAVINGS BANKS.
Claims use since January 1911.

Ser. No. 535,289. WOODMARK INDUSTRIES, INC., Minneapolis, Minn. Filed Sept. 22, 1947.

Mustang

FOR ROLLER SKATES.
Claims use since June 19, 1947.

Ser. No. 536,460. STATLER MFG. CO., Chicago, Ill. Filed Oct. 1, 1947.

JUNIOR

FOR TOY STEERING WHEEL.
Claims use since July 10, 1947.

Ser. No. 538,670. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 22, 1947.

Trophy

FOR TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, TABLE TENNIS BATS, AND TABLE TENNIS BALLS.
Claims use since 1923.

Ser. No. 538,671. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 22, 1947.

AIR-FLITE

Applicant claims ownership of registrations Nos. 384,704 and 253,976.
FOR GOLF BALLS, BADMINTON RACKETS, TENNIS RACKETS, SQUASH RACKETS, GOLF CLUBS, BASKETBALLS, VOLLEY BALLS, FOOTBALLS, SOCCER BALLS, TABLE TENNIS BATS, AND TABLE TENNIS BALLS.
Claims use since 1934.

Ser. No. 541,482. ACME NOVELTY MFG. CO., River Grove, Ill. Filed Nov. 18, 1947.

FLIPP-O

FOR TOY PISTOLS.
Claims use since January 1947.

Ser. No. 541,483. ACME NOVELTY MFG. CO., River Grove, Ill. Filed Nov. 18, 1947.

KEEN SHOT

FOR TOY PISTOLS.
Claims use since January 1947.

Ser. No. 541,635. WILLIAM R. BALES, Tampa, Fla. Filed Nov. 19, 1947.

FOUR TEES

FOR FISH LURES.
Claims use since Aug. 8, 1946.

Ser. No. 541,797. ALADDIN SALES CO., New York, N. Y. Filed Nov. 20, 1947.



FOR TOY PLASTIC BALLOONS AND TOY BUBBLE-FORMING LIQUID AND PASTES.
Claims use since Aug. 1, 1947.

Ser. No. 541,923. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Nov. 21, 1947.

MIMI

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since Oct. 8, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 512,202. PUNCH-LOK COMPANY, Chicago, Ill. Filed Oct. 16, 1947.

CLAMP-MASTER

The word "Clamp" is disclaimed apart from the mark.
FOR A TOOL FOR APPLYING STEEL BAND CLAMPS.
Claims use since June 14, 1946.

Ser. No. 529,716. SLIP-NOT BELTING CORPORATION, Kingsport, Tenn. Filed July 26, 1947. Under section 2f of the act of 1946.

Nuform

FOR CHECK STRAPS FOR LOOMS.
Claims use since Apr. 1, 1933.

Ser. No. 534,659. THE OLIVER CORPORATION, Chicago, Ill. Filed Sept. 16, 1947.

Hydramatic

FOR HAY BALERS.
Claims use since May 12, 1947.

Ser. No. 534,991. BROWN DEER MANUFACTURING CO., Milwaukee, Wis. Filed Sept. 19, 1947.

BROWN DEER

FOR HYDRAULIC LIFTING JACKS.
Claims use since Feb. 24, 1947.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 535,377. THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio. Filed Sept. 23, 1947. Under section 2f of the act of 1946.

TILTOR

Applicant claims ownership of registration No. 397,605.
FOR COMMERCIAL LAUNDRY APPARATUS—NAMELY, SLEEVE PRESSES, CUFF PRESSES, COLLAR PRESSES, BODY PRESSES, SHIRT-FRONT PRESSES, SLEEVE CONDITIONING FORMS, AND SHIRT-FOLDING TABLES.
Claims use since Apr. 4, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 546,892. WILLIAM TURNER (KISMET) LIMITED, Sheffield, England. Filed Jan. 13, 1948.

KISMET

Applicant claims ownership of British registration No. 546,717/7162S, dated Dec. 1, 1933.
FOR GAUGES FOR TESTING THE AIR PRESSURE OF PNEUMATIC TYRES AND OTHER INFLATED BODIES.

Ser. No. 547,351. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed Jan. 17, 1948.

ESKISPEC

FOR EYEGLASS AND SPECTACLE FRAMES.
Claims use since Jan. 12, 1948.

Ser. No. 547,352. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed Jan. 17, 1948.

MANDARIN

FOR EYEGLASS AND SPECTACLE FRAMES.
Claims use since Jan. 12, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 518,417. LACTONA INCORPORATED, St. Paul, Minn. Filed Sept. 12, 1947.

Challenger

FOR HAIR BRUSHES AND HAIR BRUSH HANDLES.
Claims use since Feb. 3, 1947.

Ser. No. 538,850. BAKER BRUSH CO., INC., New York, N. Y. Filed Oct. 24, 1947.

BAK-O-PLAST

Applicant claims ownership of registration No. 158,383.
FOR PAINT BRUSHES.
Claims use since Oct. 10, 1947.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 545,619. COPELAND REFRIGERATION CORPORATION, Sidney, Ohio. Filed Dec. 29, 1947.

COPELAMETIC

FOR ELECTRICALLY OPERATED REFRIGERATING CONDENSING UNITS OF THE HERMETIC TYPE FOR USE IN ALL TYPES OF COMPRESSOR OPERATED REFRIGERATING EQUIPMENT AND COMPONENT PARTS FOR SAID CONDENSING UNITS.
Claims use since June 9, 1939.

Ser. No. 548,806. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Feb. 5, 1948.

CEM

Applicant claims ownership of registrations Nos. 327,650, 317,299, 379,625, 375,756, and 357,130.
FOR WATER COOLERS.
Claims use since Jan. 21, 1948.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 540,916. SIMMONS COMPANY, New York, N. Y. Filed Nov. 12, 1947.

DEEP NIGHT

FOR MATTRESSES, BOX SPRINGS, COIL SPRINGS, SOFA BEDS, STUDIO COUCHES, AND LOUNGES.
Claims use since Sept. 16, 1947, on mattresses, box springs, coil springs, sofa beds, and lounges; and since Sept. 19, 1947, on studio couches.

Ser. No. 540,929. SIMMONS COMPANY, New York, N. Y. Filed Nov. 12, 1947.

STARDRIFT

FOR MATTRESSES, BOX SPRINGS, COIL SPRINGS, SOFA BEDS, STUDIO COUCHES, AND LOUNGES.
Claims use since Sept. 16, 1947, on mattresses, box springs, coil springs, sofa beds, and lounges; and since Sept. 19, 1947, on studio couches.

Ser. No. 541,146. KRAFT BEDDING COMPANY, Detroit, Mich. Filed Nov. 14, 1947.

The Best For Rest

RESTONAIRE

Exclusive rights in the slogan "The Best For Rest" are not claimed except in association with the rest of the mark shown.
FOR MATTRESSES AND BOX SPRINGS.
Claims use since July 15, 1947.

Ser. No. 541,722. THE WOLWIN CHAIR COMPANY, Willoughby, Ohio. Filed Nov. 19, 1947.

STAG

FOR LOUNGE CHAIRS.
Claims use since Oct. 1, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 527,592. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

JE

Applicant makes no claim to the representation of a stove-pipe apart from the mark. Applicant claims ownership of registration No. 270,398.
FOR STOVE PIPE, INCLUDING ELBOWS, T JOINTS, REDUCERS, AND FLUE THIMBLES; SPACE HEATERS—NAMELY, WOOD, GAS, AND COAL BURNING TYPES; OVENS, HEATING DRUMS, CAMP STOVES, AND RAIN CAPS, COMPRISING CHIMNEY AND STACK COWLS.
Claims use since Feb. 1, 1924.

Ser. No. 537,764. THE HEIL CO., Milwaukee, Wis. Filed Oct. 6, 1947.

Activ-Air

FOR GAS FIRED FURNACES AND OIL FIRED FURNACES.
Claims use since September 1938 on oil fired furnaces; and since early September 1947 on gas fired furnaces.

Ser. No. 540,987. EARLY FOUNDRY CO., Dickson City, Pa. Filed Nov. 13, 1947. Under section 2f of the act of 1946.

DICKSON

Applicant claims ownership of registration No. 141,742.
FOR COAL RANGES, COAL AND GAS COMBINATION RANGES, OIL AND GAS COMBINATION RANGES, AND COAL AND WOOD HEATING STOVES.
Claims use since Sept. 1, 1909.

Ser. No. 546,682. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 10, 1948.

CARBOND

FOR CRUCIBLES FOR INDUSTRIAL USES.
Claims use since August 1945.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 534,284. HOLYOKE BELTING COMPANY, Holyoke, Mass. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

HAMPDEN

Applicant claims ownership of registration No. 198,645.
FOR LEATHER BELTING.
Claims use since 1908.

Ser. No. 535,347. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa. Filed Sept. 23, 1947.

AIR-LOCK

FOR INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Aug. 29, 1947.

Ser. No. 536,671. CORDUROY RUBBER COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

TRIPLE TRACTION

FOR VEHICLE TIRES.
Claims use since Nov. 1, 1933.

Ser. No. 537,500. THE POLSON RUBBER COMPANY, Garrettsville, Ohio. Filed Oct. 10, 1947.

AIRLOX

FOR INNER TUBES FOR TIRES.
Claims use since July 1929.

Ser. No. 546,323. PAGE BELTING COMPANY, Concord, N. H. Filed Jan. 6, 1948.

Crown.

Applicant claims ownership of registrations Nos. 21,924, 141,632, 143,706, 142,693, 94,111, and 142,688.
FOR LEATHER BELTING AND LEATHER PACKING.
Claims use since 1901.

Ser. No. 552,617. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Mar. 20, 1948.

STEELMASTER

FOR RUBBER TIRES FOR VEHICLES.
Claims use since Jan. 29, 1948.

CLASS 37

PAPER AND STATIONERY

Ser. No. 533,931. SHELLMAR PRODUCTS CORPORATION, Chicago, Ill. Filed Sept. 9, 1947.

Dehydrapac

Applicant claims ownership of registration No. 433,863.
FOR LOW WATER VAPOR PERMEABILITY PACKAGING MATERIALS IN ROLL OR SHEET FORM TO BE USED IN CONJUNCTION WITH DESICCANTS IN MOISTURE-PROOF PACKAGING OR ARTICLES.
Claims use since Oct. 22, 1945.

Ser. No. 534,115. L. & C. HARDTMUTH, INC., Bloomsbury, N. J. Filed Sept. 11, 1947.



Applicant claims ownership of registrations Nos. 61,599 and 185,448.
FOR WOOD-ENCASED PENCILS OF ALL KINDS AND PENCIL ERASERS.
Claims use since 1879.

Ser. No. 534,118. L. & C. HARDTMUTH, INC., Bloomsbury, N. J. Filed Sept. 11, 1947.

Oriental

FOR WOOD-ENCASED PENCILS.
Claims use since 1920.

Ser. No. 534,120. L. & C. HARDTMUTH, INC., Bloomsbury, N. J. Filed Sept. 11, 1947.

Elf

FOR WOOD-ENCASED PENCILS.
Claims use since 1900.

Ser. No. 534,831. STERLING PLASTICS CO., Union, N. J. Filed Sept. 17, 1947.

DESKING

FOR AN ALL-IN-ONE DESK ACCESSORY INCLUDING A COMPARTMENT FOR EITHER AN INK BOTTLE OR PAPER CLIPS, A PEN OR PENCIL BRACKET AND A MEMO SHEET HOLDER.
Claims use since May 1947.

Ser. No. 537,802. KAROLTON ENVELOPE COMPANY, Chicago, Ill. Filed Oct. 14, 1947.

TULANE

FOR BLANK CARDS AND SHEETS SUITABLE FOR USE IN THE PRODUCTION OF PRINTED OR ENGRAVED SOCIAL AND COMMERCIAL ANNOUNCEMENTS, AND ENVELOPES THEREFOR.
Claims use since June 1941.

Ser. No. 537,803. KAROLTON ENVELOPE COMPANY, Chicago, Ill. Filed Oct. 14, 1947.

Castlewood

FOR BLANK CARDS AND SHEETS SUITABLE FOR USE IN THE PRODUCTION OF PRINTED OR ENGRAVED SOCIAL AND COMMERCIAL ANNOUNCEMENTS, AND ENVELOPES THEREFOR.
Claims use since June 1941.

Ser. No. 542,862. NEENAH PAPER COMPANY, Neenah, Wis. Filed Dec. 1, 1947.

CHIEFTAIN

Applicant claims ownership of registrations Nos. 112,543 and 181,506.
FOR BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER.
Claims use since 1911.

Ser. No. 542,865. NEENAH PAPER COMPANY, Neenah, Wis. Filed Dec. 1, 1947.

OLD COUNCIL TREE

Applicant claims ownership of registrations Nos. 78,044 and 193,686.
FOR BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER.
Claims use since Aug. 1, 1909.

Ser. No. 543,097. THE COOK COFFEE COMPANY, Cleveland, Ohio. Filed Dec. 3, 1947.

Cook Book

FOR WAXPAPER.
Claims use since June 1934.

Ser. No. 543,516. NATIONAL WATERPROOFING COMPANY, Camden, N. J. Filed Dec. 5, 1947.

NATCO

FOR WATERPROOF WRAPPING AND LINING PAPER, USED IN WRAPPING, PACKING, AND LINING INDUSTRIAL MATERIALS.
Claims use since Dec. 1, 1936.

Ser. No. 543,517. NATIONAL WATERPROOFING COMPANY, Camden, N. J. Filed Dec. 5, 1947.

NATCORD

FOR WATERPROOF WRAPPING AND LINING PAPER, USED IN WRAPPING, PACKING, AND LINING INDUSTRIAL MATERIALS.
Claims use since July 1, 1938.

Ser. No. 543,518. NATIONAL WATERPROOFING COMPANY, Camden, N. J. Filed Dec. 5, 1947.

SNUGWRAP

Applicant claims ownership of registration No. 278,364.
FOR CREPED WATERPROOF WRAPPING AND LINING PAPER USED IN WRAPPING, PACKING, AND LINING INDUSTRIAL MATERIALS.
Claims use since July 9, 1930.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 477,317. CREATIVE FOOTWEAR, INC., Boston, Mass., by change of name from Brown, Lockwood & Davenport Co. Filed Nov. 20, 1947. Under section 2f of the act of 1946.

Creative Footwear

No claim is made to the word "Footwear" apart from the mark.
FOR MONTHLY PUBLICATION.
Claims use since April 1938.

Ser. No. 524,674. FAIRCHILD PUBLICATIONS, INC., New York, N. Y., by consolidation with Women's Wear Company. Filed May 21, 1948.

The Ads are Saying

Applicant disclaims the word "Ads" apart from the mark shown.
FOR NEWSPAPER SECTION.
Claims use since Apr. 10, 1944.

Ser. No. 528,572. INTERNATIONAL TYPOGRAPHICAL UNION, Indianapolis, Ind. Filed July 14, 1947. CERTIFICATION MARK.

TYPOGRAPHICAL UNION LABEL

The words "Typographical Union Label" are disclaimed apart from the mark as shown.
FOR ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, CALENDARS, CARTOONS, CATALOGUES, DAILY NEWSPAPERS, DATA SHEETS, DICTIONARIES, DRAWINGS, ENGINEERING BULLETINS, FINANCIAL PUBLICATIONS, LITHOGRAPHS, MAPS, MONTHLY MAGAZINES, MOTION-PICTURE TRADE PAPERS, MUSIC BOOKS, NEWSPAPERS, NEWSPAPER SECTIONS, PAMPHLETS, PHOTOGRAPHIC PORTRAITS, PICTURE CARDS, POSTERS, PRICE LISTS, PRINTED CHARTS, PUSH CARDS, REBOUND BOOKS, REDEEMABLE COUPONS, RELIGIOUS CARDS, RELIGIOUS PAMPHLETS, SCIENTIFIC PERIODICALS, SEMI-MONTHLY MAGAZINES, SERIAL PUBLICATIONS, SHEET MUSIC, SKELETON DRAWINGS, TRADE JOURNALS, TRADING STAMPS, WEEKLY PERIODICALS PRINTED, LITHOGRAPHED OR PRODUCED BY ANY SIMILAR AND/OR SUBSTITUTE PROCESS FOR PRINTING AND/OR LITHOGRAPHING.
Claims use since 1891.

CLASS 39

CLOTHING

Ser. No. 498,216. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Oct. 28, 1947.

Bobolink

FOR HOSIERY.
Applicant claims ownership of registration No. 194,151.
Claims use since July 21, 1923.

Ser. No. 512,821. DAY'S TAILOR-D CLOTHING, INC., Tacoma, Wash. Filed Nov. 4, 1947.

San Juan

FOR DRESS TROUSERS AND SLACKS (MEN AND BOYS).
Claims use since November 1945.

Ser. No. 529,023. GOOD LUCK GLOVE COMPANY, Carbondale, Ill. Filed July 21, 1947.

JACK FROST

FOR CHILDREN'S FABRIC GLOVES.
Claims use since October 1939.

Ser. No. 529,161. GOOD LUCK GLOVE COMPANY, Carbondale, Ill. Filed July 22, 1947.

ARMOR

FOR WORK GLOVES MADE OF LEATHER AND CANTON FLANNEL.
Claims use since August 1931.

Ser. No. 535,741. PANDORA KNITWEAR, INC., New York, N. Y. Filed Sept. 25, 1947.

Pandora

FOR SWEATERS.
Claims use since May 1936.

Ser. No. 536,645. SEA ISLAND MANUFACTURING COMPANY, INC., New York, N. Y. Filed Oct. 3, 1947.

"INVISIBAND"

FOR MEN'S AND BOYS' SPORT, CASUAL, AND OUTDOOR SHIRTS, MADE OF COTTON, RAYON, WOOL, OR COMBINATIONS THEREOF.
Claims use since Apr. 1, 1947.

Ser. No. 536,781. HIRSCH SHIRT CORPORATION, Chicago, Ill. Filed Oct. 4, 1947.

KINGLY

FOR MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS.
Applicant claims ownership of registration No. 171,262.
Claims use since April 1927.

Ser. No. 537,826. RAYFEL HOSIERY MILLS, INC., Phoenixville, Pa. Filed Oct. 14, 1947.

Rayfel

FOR LADIES' HOSIERY.
Claims use since July 15, 1946.

Ser. No. 537,963. BARCLAY KNITWEAR CO., INC., Kingston and New York, N. Y. Filed Oct. 16, 1947.

TOO-TOO-SIX

FOR CHILDREN'S SWEATERS.
Claims use since June 15, 1947.

Ser. No. 538,000. S. L. GILBERT COMPANY, INC., New York, N. Y. Filed Oct. 16, 1947.

Three Spires

The drawing is lined for shading purposes only. Applicant claims ownership of registration No. 316,578.
FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY.
Claims use since Mar. 10, 1934.

Ser. No. 539,222. LOUIS SHLANSKY CORPORATION, New York, N. Y. Filed Oct. 27, 1947.

Hallie Jr.

The word "Jr." is disclaimed apart from the mark.
FOR JUNIOR MISSES' AND MISSES' COATS AND SUITS.
Claims use since Oct. 20, 1947.

Ser. No. 543,566. THE WILLIAM CARTER COMPANY, Needham Heights, Mass. Filed Dec. 6, 1947.

DIAPENDA

FOR INFANTS' UNDERSHIRTS AND BANDS FITTED WITH TAB ATTACHMENTS FOR PINNING DIAPERS THERETO.
Claims use since Aug. 27, 1947.

Ser. No. 546,202. EVEN-PUL FOUNDATIONS, INC., New York, N. Y. Filed Jan. 5, 1948.

Inter-Up

FOR WOMEN'S CLOTHING—NAMELY, BRASSIÈRES, GIRDLES AND CORSETS.
Claims use since Dec. 22, 1947.

Ser. No. 547,262. LEYBRO MFG. CO., INC., New York, N. Y. Filed Jan. 16, 1948.

MiFavorite

FOR GIRLS' AND CHILDREN'S SLIPS.
Claims use since Feb. 3, 1947.

Ser. No. 547,271. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Jan. 16, 1948.

champknit

Applicant claims ownership of registrations Nos. 271,829 and 333,456.
FOR UNION-SUITS, UNDERSHIRTS, AND DRAWERS FOR MEN, WOMEN, AND CHILDREN.
Claims use since May 1947.

Ser. No. 547,932. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Jan. 24, 1948.

Betsyknit

Applicant claims ownership of registration No. 213,442.
FOR LADIES' UNDERWEAR, VIZ., BLOOMERS, STEP-INS, VESTS, AND PRINCESS SLIPS.
Claims use since March 1925.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 549,823. MODERN HANDCRAFT, INC., Kansas City, Mo. Filed Feb. 16, 1948.

Aunt Ellen's

FOR TRANSFER PATTERNS FOR ART NEEDLEWORK, EMBROIDERY PATTERNS, AND FABRICS STAMPED WITH DESIGNS FOR ART NEEDLEWORK.
Claims use since 1938.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 555,442. PEERLESS UMBRELLA CO., INC., New York, N. Y. Filed Apr. 23, 1948.

COI-NITIAL

FOR UMBRELLAS.
Claims use since Mar. 1, 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 509,500. ISIDOR H. COHEN, New York, N. Y. Filed Nov. 25, 1947.

ADMIRAL

Applicant claims ownership of registration No. 293,041.
FOR TEXTILE FABRICS IN THE PIECE, MADE OF COTTON, WOOLEN, AND RAYON OR PARTS THEREOF, FOR USE IN THE MAKING OF UNDERWEAR.
Claims use since Apr. 5, 1932.

Ser. No. 513,194. NORTH STAR WOOLEN MILL COMPANY, Minneapolis, Minn. Filed Oct. 23, 1947.



Applicant claims ownership of registrations Nos. 2,867, 29,854, 120,773, 378,875, and 398,276.
FOR WOOLEN BLANKETS AND WOOLEN FABRICS, BY PIECE, YARD, OR BOLT.
Claims use since Mar. 11, 1946.

Ser. No. 523,542. RENSON & STAFFORD, INC., New York, N. Y. Filed Sept. 2, 1947.

Restaffa

FOR PIECE GOODS MADE OF COTTON, RAYON, SILK, AND WOOL, AND COMBINATIONS THEREOF, LACE IN THE PIECE MADE OF SAID GOODS, AND COATED FABRICS IN THE PIECE OF COTTON AND RAYON.
Claims use since May 15, 1947.

Ser. No. 528,334. CHARLES BLOOM, INC., New York, N. Y. Filed July 11, 1947.

Saison
Happily Married
FABRICS
Keep Their Bloom

The word "Fabrics" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 296,060.
FOR PRINTED COTTON FABRICS SOLD IN THE PIECE.
Claims use since February 1947.

Ser. No. 532,850. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 29, 1947. Under section 2f of the act of 1946.

WEARWELL

FOR COTTON BED SHEETS, PILLOW CASES, AND SHEETING IN THE PIECE.
Claims use since Jan. 30, 1900.

Ser. No. 534,242. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 12, 1947.

CROSS-WINDOW

FOR PIECE GOODS MADE OF CELLULOSE ACETATE TYPE YARNS ALONE AND IN ADMIXTURE WITH COTTON, WOOL, SILK, OR RAYON.
Claims use since Aug. 27, 1947.

Ser. No. 536,706. MOORESVILLE MILLS, INC., Mooresville, N. C. Filed Oct. 3, 1947.

PANAMOOR

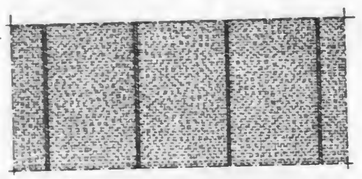
FOR FINISHED RAYON PIECE GOODS.
Claims use since Sept. 12, 1947.

Ser. No. 537,873. THE CINCINNATI COTTON PRODUCTS COMPANY, Cincinnati, Ohio. Filed Oct. 15, 1947.



The words "Cincinnati Cotton Products Co.," "Shroud Cloth," and the representation of the goods are disclaimed apart from the mark.
FOR SHROUD CLOTHS MADE OF COTTON AND SOLD BY THE PIECE OR BY THE YARD.
Claims use since May 2, 1946.

Ser. No. 541,848. MYRON B. LEVY CO., INC., New York, N. Y. Filed Nov. 20, 1947.



The trade-mark consists of green colored warp threads woven into the goods and appearing as parallel lines at intervals across the goods as indicated by the line shading. The representation of the fabric is disclaimed apart from the mark. Applicant claims ownership of registration No. 188,641.
FOR NECKWEAR TIE INTERLININGS SOLD ONLY IN THE PIECE, YARD, ROLL, OR BOLT.
Claims use since Dec. 29, 1923.

Ser. No. 543,798. DICK & GOLDSCHMIDT LIMITED, London, W. 1, England. Filed Dec. 9, 1947.

TARNROYD

Applicant claims ownership of British registration No. 641,008, dated Oct. 17, 1945.
FOR WOOLEN TEXTILE PIECE GOODS.

Ser. No. 544,071. DYKEMAN, LOEB & COMPANY, Philadelphia, Pa. Filed Dec. 11, 1947.

DYLO Linings

The word "Linings" is disclaimed apart from the mark. Applicant claims ownership of registration No. 281,994.
FOR FABRICS MADE OF COTTON AND/OR RAYON YARN.
Claims use since Sept. 25, 1940.

Ser. No. 545,811. BARTMANN & BIXER, INC., New York, N. Y. Filed Dec. 31, 1947. Under section 2f of the act of 1946.

Ruffle-Framed

Applicant claims ownership of registration No. 396,038.
FOR WINDOW CURTAINS.
Claims use since Apr. 1, 1940.

Ser. No. 546,269. WILLIAM LIND, doing business as William Lind Co., New York, N. Y. Filed Jan. 3, 1948.

SHYNA

Applicant claims ownership of registration No. 95,022.
FOR COTTON PIECE GOODS.
Claims use since Aug. 28, 1913.

Ser. No. 546,362. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Jan. 7, 1948. Under section 2f of the act of 1946.

Cramerton

FOR COTTON PIECE GOODS—NAMELY, TWILL, SEERSUCKER, AND CORDED SUITING.
Claims use since 1931.

Ser. No. 546,365. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Jan. 7, 1948.

SHORECLUB

FOR RAYON AND COTTON TWILL SHIRTING FABRIC.
Claims use since July 21, 1947.

Ser. No. 547,117. HEGO FABRICS, INC., New York, N. Y. Filed Jan. 15, 1948.

PARACORD

Applicant claims ownership of registration No. 400,608, dated Mar. 23, 1943.
FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, AND MIXTURES THEREOF.
Claims use since Sept. 9, 1946.

Ser. No. 554,576. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Apr. 14, 1948.

VYLINE

FOR PLASTIC COATED FABRICS OF COTTON FIBRE.
Claims use since Sept. 22, 1947.

Ser. No. 555,310. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y. Filed Apr. 22, 1948.

GAI-FLEUR

FOR FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE.
Claims use since November 1927.

Ser. No. 556,471. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed May 7, 1948.

PATTIKIN

FOR BLANKETS MADE OF MIXED COTTON, WOOL, AND RAYON, OR MIXTURES OF ANY OF SUCH FIBERS.
Claims use since January 1927.

Ser. No. 556,558. CLEARWATER FINISHING COMPANY, Clearwater, S. C. Filed May 8, 1948.

FORT RESILIA

FOR PIECE GOODS OF WOOL, COTTON, RAYON, NYLON, AND/OR SILK OR COMBINATIONS THEREOF.
Claims use since Mar. 25, 1948.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 540,420. KLOSS SUPPLY CO., Allentown, Pa. Filed Nov. 7, 1947.

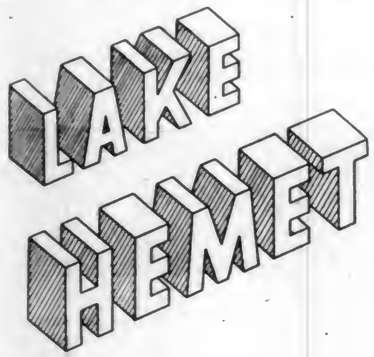


The figure shown is fanciful.
FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS FOR MAKING THE SAME.
Claims use since Mar. 16, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 503,653. HEMET MUTUAL GROVES, Hemet, Calif. Filed Sept. 8, 1947. Under section 2f of the act of 1946.



The drawing is lined for shading only, no particular color being claimed. Applicant claims ownership of registration No. 388,891.
FOR FRESH CITRUS FRUITS.
Claims use since Mar. 24, 1942.

Ser. No. 504,517. ROYAL SOUDERS, INC., Dayton, Ohio. Filed July 26, 1947.

SOUDERS

Applicant claims ownership of registration No. 58,847 (renewed).
FOR FLAVORING EXTRACTS FOR FOODS.
Claims use since 1885.

Ser. No. 511,185. RYSER BROS. OF WISCONSIN, INC., Mt. Horeb, Wis. Filed Jan. 29, 1948.

PALLATELLE

FOR CHEESE.
Claims use since Sept. 24, 1946.

Ser. No. 525,485. HOLLY HILL FRUIT PRODUCTS, INCORPORATED, Davenport, Fla. Filed Sept. 11, 1947.

Bonny Hill

Applicant claims ownership of registration No. 267,117.
FOR FRESH AND CANNED CITRUS FRUITS, CANNED CITRUS FRUIT JUICES, AND CITRUS FRUIT JELLIES AND MARMALADES.
Claims use since Oct. 1, 1928.

Ser. No. 530,062. THE CONSOLIDATED FLOUR MILLS COMPANY, Wichita, Kans. Filed July 31, 1947.

WANSBEST

FOR WHEAT FLOUR.
Claims use since June 24, 1947.

Ser. No. 536,085. E. A. HOFFMAN CANDY CO. INC., Los Angeles, Calif. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

Hoffman's LOS ANGELES

No exclusive claim is made to the words "Los Angeles" apart from the mark as shown. Applicant claims ownership of registration No. 195,950.
FOR CANDY.
Claims use since September 1912.

Ser. No. 536,553. SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif. Filed Oct. 2, 1947.

SCHOOL BOY

FOR FRESH CITRUS FRUITS.
Claims use since 1913.

Ser. No. 537,742. SEQUOIA CITRUS ASSOCIATION, Lemon Cove, Calif. Filed Oct. 13, 1947.

SILVER LAKE

FOR FRESH CITRUS FRUITS.
Claims use since 1915.

Ser. No. 539,918. TULARE COUNTY LEMON & GRAPEFRUIT ASSOCIATION, Porterville, Calif. Filed Nov. 1, 1947.

ENCORE

FOR FRESH CITRUS FRUITS.
Claims use since 1917.

Ser. No. 539,946. ELDERWOOD CITRUS ASSOCIATION, Woodlake, Calif. Filed Nov. 3, 1947.

ALTERNATE

FOR FRESH CITRUS FRUITS.
Claims use since 1936.

Ser. No. 540,068. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Nov. 4, 1947.

BLUE PETER

Applicant claims ownership of registration No. 158,448.
FOR CANNED SARDINES.
Claims use since Nov. 20, 1921.

Ser. No. 540,384. TED CINELLI, doing business as Cinelli & Co., San Francisco, Calif. Filed Nov. 7, 1947.

PACIFIC CHIEF



FOR FRESH DECIDUOUS FRUITS.
Claims use since Sept. 15, 1947.

Ser. No. 541,120. FILICE & PERRELLI CANNING COMPANY, INC., Richmond, Calif. Filed Nov. 14, 1947.

Aetna

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since May 7, 1924.

Ser. No. 541,346. STANDARD BRANDS INCORPORATED, New York, N. Y., assignor to Campbell Soup Company, Camden, N. J., a corporation of New Jersey. Filed Nov. 15, 1947.

V-8

Applicant claims ownership of registrations Nos. 354,003 and 424,632.
FOR VEGETABLE JUICES, CATSUP, AND CHILI SAUCE.
Claims use since July 17, 1937.

Ser. No. 541,438. MUTUAL PRODUCTS CO., Minneapolis, Minn. Filed Nov. 17, 1947.

Skim-ade

FOR ANIMAL FOOD FORTIFIER IN DRY FORM, FOR USE WITH SKIM MILK.
Claims use since June 1947.

Ser. No. 541,469. SEASIDE FISHERIES COMPANY, Long Beach, Calif. Filed Nov. 17, 1947.

LA PLAYA

Applicant claims ownership of registration No. 413,534.
FOR CANNED MACKEREL.
Claims use since 1933.

Ser. No. 541,470. SEASIDE FISHERIES COMPANY, Long Beach, Calif. Filed Nov. 17, 1947.

PIERRE

Applicant claims ownership of registration No. 413,191.
FOR CANNED MACKEREL.
Claims use since May 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 530,156. SUNNY STATE LIQUOR COMPANY, also doing business as Anchor Liquor Company, Albuquerque, N. Mex. Filed Aug. 1, 1947.

SUNNY STATE

Applicant claims ownership of registration No. 363,983.
FOR ALCOHOLIC BEVERAGES—NAMELY, ALCOHOLIC CORDIALS AND LIQUEURS, ROCK AND RYE, GIN, AND WHISKIES.
Claims use since July 1919.

Ser. No. 530,496. GLENMORE DISTILLERIES COMPANY, Louisville, Ky. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

OLD THOMPSON

Applicant claims ownership of registrations Nos. 417,046 and 308,780.
FOR WHISKEY.
Claims use since 1904 as to "Old Thompson"; and since July 12, 1943, in its present showing.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 527,227. SPILL-STOP MANUFACTURING CO., Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

SPILL-STOP

Applicant claims ownership of registration No. 420,174.
FOR BOTTLE CLOSURES HAVING A POURING DEVICE.
Claims use since May 1, 1935.

Ser. No. 528,182. AMERICAN FELT COMPANY, Glenville, Conn. Filed July 9, 1947.

Feltan

FOR FELT IN THE PIECE.
Claims use since May 16, 1946.

Ser. No. 530,816. THE GRENEKER CORPORATION, New York, N. Y. Filed Aug. 8, 1947. Under section 2f of the act of 1946.

GRENEKER

Applicant claims ownership of registrations Nos. 418,536 and 431,132.
FOR HEADS AND MANNIKINS USED FOR THE DISPLAY OF HATS AND CLOTHING.
Claims use since 1937.

CLASS 55

SERVICES

Ser. No. 528,830. TRIANGLE PUBLICATION, INC., Philadelphia, Pa. Filed July 17, 1947. SERVICE MARK.

FAX-FLASH

No claim is made to the word "Flash" except as shown.
FOR BROADCASTING FACSIMILE EDITIONS OF A NEWSPAPER.
Claims use since May 5, 1947.

Ser. No. 532,708. KUEHNLE-WILSON INC., Philadelphia, Pa. Filed Aug. 28, 1947. SERVICE MARK.



Applicant claims ownership of registration No. 149,423.
FOR SERVICES IN CONNECTION WITH ITS CONTRACT PAINTING WHICH IS INDUSTRIAL, RESIDENTIAL, AND INSTITUTIONAL.
Claims use since Jan. 2, 1915.

Ser. No. 535,149. GLOBE WIRELESS LTD., San Francisco, Calif., and Reno, Nev. Filed Sept. 20, 1947. SERVICE MARK.



FOR RADIOTELEGRAPH AND RADIO-TELETYPE MESSAGE SERVICES.
Claims use since Mar. 1, 1946.

Ser. No. 537,579. GEOPHOTO SERVICES, Denver, Colo. Filed Oct. 11, 1947. SERVICE MARK.



FOR SERVICE OF MAKING GEOLOGICAL EVALUATIONS OF LAND AREAS.
Claims use since Jan. 1, 1947.

Ser. No. 537,581. JOHN M. HAGGARD, Chicago, Ill. Filed Oct. 11, 1947. SERVICE MARK.

COOPVERTISING

FOR A GROUP FORM OF ADVERTISING SERVICE RENDERED TO ADVERTISERS WHEREIN TWO OR MORE ADVERTISERS SHARE ADVERTISING COSTS.
Claims use since May 15, 1947.

Ser. No. 538,030. NATIONAL AIRLINES, INC., Miami, Fla. Filed Oct. 16, 1947. SERVICE MARK.

Applicant does not make any claim to the word "Airlines" apart from the mark.

FOR AIR TRANSPORTATION OF PASSENGERS, FREIGHT, EXPRESS, AND MAIL.

Claims use since November 1938.

Ser. No. 538,031. NATIONAL AIRLINES, INC., Miami, Fla. Filed Oct. 16, 1947. SERVICE MARK.

ROUTE OF THE BUCCANEERS

Applicant does not make any claim to the words "Route of the" apart from the mark.

FOR AIR TRANSPORTATION OF PASSENGERS, FREIGHT, EXPRESS, AND MAIL.

Claims use since January 1946.

Ser. No. 551,724. HERBERT VICTOR NOOTBAAR, doing business as H. V. Nootbaar & Co., Pasadena, Calif. Filed Mar. 11, 1948. SERVICE MARK.

FOR BROKERAGE SERVICES IN THE SALE, IMPORTATION, AND EXPORTATION OF GRAIN, CONCENTRATES, AND FERTILIZER MATERIALS.

Claims use since Dec. 1, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,236. PLASTIC FILLER FOR CRACKS, DENTS, SEAMS AND SCRATCHES IN WOOD, METAL, BRICK, OR TILE. EVANS CHEMICAL CORPORATION, Detroit, Mich., assignor to Econite, Incorporated, Detroit, Mich.

Filed April 30, 1945. Serial No. 482,792. PUBLISHED JULY 20, 1948. Class 12.

441,237. MEDICAL PREPARATION—NAMELY, CAPSULES OF LIVER, IRON AND VITAMIN B-COMPLEX FOR TREATMENT OF NUTRITIONAL AND SECONDARY ANEMIAS. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.

Filed May 29, 1945. Serial No. 483,917. PUBLISHED OCTOBER 16, 1945. Class 6.

441,238. TECHNICAL WHITE MINERAL OILS, AND PETROLATUM HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. STANDARD OIL COMPANY, Louisville, Ky.

Filed July 10, 1945. Serial No. 485,661. PUBLISHED DECEMBER 18, 1945. Class 6.

441,239. WINDOW CURTAINS, WINDOW DRAPERIES, CRIB SHEETS AND ALL MADE OF THIN, TRANSPARENT, OR TRANSLUCENT PLASTIC FILM. STANLEY V. BOLAND, doing business as Boland Manufacturing Company, Chicago, Ill., assignor to Boland Mfg. Co., Winona, Minn., a corporation of Illinois.

Filed August 20, 1945. Serial No. 487,305. PUBLISHED JULY 27, 1948. Class 42.

441,240. CIGARS. COMPAÑIA INDUSTRIAL TABACALERA, S. A., Habana, Cuba.

Filed October 1, 1945. Serial No. 489,205. PUBLISHED AUGUST 10, 1948. Class 17.

441,241. A RADIO ANALYZING APPARATUS FOR USE IN MAKING MEASUREMENTS AND LOCATING CAUSES OF DEFECTIVE OPERATION IN STANDARD RADIO RECEIVERS. SPECIAL PRODUCTS COMPANY, Silver Spring, Md.

Filed January 8, 1945. Serial No. 494,466. PUBLISHED AUGUST 6, 1946. Class 26.

441,242. BASE METAL COOKING AND TABLE HOLLOW WARE—NAMELY, A NON-ELECTRIC UTENSIL FOR USE IN ROASTING VARIOUS MEATS AND SERVING THE SAME AT THE TABLE. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill.

Filed January 24, 1946. Serial No. 495,272. PUBLISHED FEBRUARY 10, 1948. Class 13.

441,243. CUTTING OILS. THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio.

Filed February 11, 1946. Serial No. 496,400. PUBLISHED JULY 27, 1948. Class 15.

441,244. CHEMICAL COMPOUND USED AS A FIRE SCALE AND SOOT ERADICATOR. THE CLEAN SWEEP CO., Lansing, Mich.

Filed March 8, 1946. Serial No. 497,845. PUBLISHED AUGUST 10, 1948. Class 6.

441,245. TRANSPARENT OR TRANSLUCENT PLASTIC FILM OR SHEETING SOLD AS PIECE GOODS FOR USE IN MAKING UP INTO HOUSEHOLD ARTICLES SUCH AS SHOWER CURTAINS, APRONS, WINDOW CURTAINS. KINGS RUBBER CORPORATION, Brooklyn, N. Y.

Filed May 15, 1946. Serial No. 502,142. PUBLISHED JULY 20, 1948. Class 42.

441,246. EDIBLE VEGETABLE OILS FOR COOKING AND FOOD PURPOSES. ROSA FOOD PRODUCTS CO., Philadelphia, Pa.

Filed May 20, 1946. Serial No. 502,463. PUBLISHED AUGUST 10, 1948. Class 46.

441,247. LIQUID DETERGENT COMPOSITION FOR RUGS, CARPETS, AND UPHOLSTERY. TREESDALE LABORATORIES, INC., Pittsburgh, Pa.

Filed June 19, 1946. Serial No. 504,222. PUBLISHED JANUARY 13, 1948. Class 4.

441,248. HAND LOTION. GENE SALÉE, doing business as Gene Salee Cosmetics, Hollywood, Calif.

Filed August 2, 1946. Serial No. 506,770. PUBLISHED AUGUST 10, 1948. Class 6.

441,249. FLAME COLORING MATERIAL. FISKE INC., Waltham, Mass.

Filed August 13, 1946. Serial No. 507,312. PUBLISHED AUGUST 10, 1948. Class 6.

441,250. RAZOR STROPS. INGERSOLL STROPPER CO., Union City, N. J., assignor, by mesne assignments, to Durham-Enders Razor Corporation, Mystic, Conn., a corporation of New York.

Filed August 13, 1946. Serial No. 507,316. PUBLISHED AUGUST 3, 1948. Class 4.

441,251. ROUGE AND LIPSTICK. RICHARD HUDNUT, New York, N. Y.

Filed August 22, 1946. Serial No. 507,855. PUBLISHED AUGUST 10, 1948. Class 6.

441,252. PROTECTIVE ASBESTOS MATS. JOSEPHINE S. GARBER, Encinitas, Calif.

Filed August 24, 1946. Serial No. 507,979. PUBLISHED JULY 27, 1948. Class 50.

441,253. RAILROAD TIES, DRESSED TIMBERS AND POLES. MCCORMICK & BAXTER CREOSOTING CO., Portland, Oreg.

Filed August 24, 1946. Serial No. 507,988. PUBLISHED JULY 27, 1948. Class 12.

441,254. INSECT REPELLENT COMPOSITIONS. UNEXCELLED CHEMICAL CORPORATION, New York, N. Y.

Filed August 29, 1946. Serial No. 508,256. PUBLISHED AUGUST 10, 1948. Class 6.

441,255. FACE CREAM. MAISON EVILYA, Brooklyn, N. Y.

Filed August 30, 1946. Serial No. 508,298. PUBLISHED AUGUST 10, 1948. Class 6.

441,256. ASH TRAYS MADE OF PLASTIC OR CERAMIC MATERIALS. VICTORY PLASTICS CO., Hudson, Mass.

Filed September 3, 1946. Serial No. 508,458. PUBLISHED AUGUST 10, 1948. Class 8.

441,257. MACHINERY LUBRICATING OIL HAVING ADHESIVE CHARACTERISTICS. SUN OIL COMPANY, Philadelphia, Pa.

Filed September 6, 1946. Serial No. 508,624. PUBLISHED AUGUST 3, 1948. Class 15.

441,258. PREPARATION IN POWDERED FORM FOR ADMINISTRATION TO AND APPLICATION TO RACING AND HOMING PIGEONS, POULTRY, FOWL, AND DOMESTICATED BIRDS FOR USE IN THE BUILDING UP OF MUSCULAR TISSUES AND INCREASING PLUMAGE. THE FAST FLIGHT COMPANY, Detroit, Mich.

Filed September 11, 1946. Serial No. 508,840. PUBLISHED AUGUST 10, 1948. Class 6.

441,259. CLEANSERS USED AS DAIRY CLEANSERS AND CLEANSERS FOR GENERAL PURPOSES. THE MINNESOTA CHEMICAL COMPANY, St. Paul, Minn.

Filed September 27, 1946. Serial No. 509,862. PUBLISHED AUGUST 5, 1947. Class 4.

441,260. PARTLY PREPARED ASBESTOS AND REQUIRING FURTHER TREATMENT OR MIXING WITH OTHER MATERIALS. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed October 3, 1946. Serial No. 510,179. PUBLISHED AUGUST 3, 1948. Class 1.

441,261. TEXTILE FABRICS IN THE PIECE MADE OF WOOL, SILK, COTTON, RAYON, AND MIXTURES THEREOF. J. B. MARTIN COMPANY, Norwich, Conn.
Filed October 5, 1946. Serial No. 510,330. PUBLISHED JULY 20, 1948. Class 42.

441,262. FLEXIBLE FLOOR MATS COMPRISING PARALLEL WOODEN SLATS DISPOSED ON RUBBER STRINGERS. GEORGE E. SNODGRASS, doing business as Van Edwards Manufacturing Company, Richmond, Calif.
Filed October 22, 1946. Serial No. 511,296. PUBLISHED AUGUST 3, 1948. Class 50.

441,263. REFRACTORY BRICKS, BLOCKS, AND SHAPES AND REFRACTORY CEMENT. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed October 31, 1946. Serial No. 511,800. PUBLISHED JULY 13, 1948. Class 12.

441,264. CIGARS, CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. IMPERIAL TOBACCO COMPANY OF CANADA, LIMITED, Montreal, Quebec, Canada.
Filed November 2, 1946. Serial No. 511,948. PUBLISHED AUGUST 10, 1948. Class 17.

441,265. INSECT REPELLENT AND PREPARATION TO BE APPLIED TO SKIN TO SECURE AN EVEN SUN TAN WITHOUT BURNING THE SKIN. CHEMICAL RESEARCH PRODUCTS, INC., East Rutherford, N. J.
Filed November 15, 1946. Serial No. 512,640. PUBLISHED AUGUST 10, 1948. Class 6.

441,266. CHEMICAL COMPOUNDS, BEING BENZENE DERIVATIVES OF THE GLYCOLS, FOR USE AS PRESERVATIVES IN PHARMACEUTICAL AND MEDICAL PREPARATIONS, IN OILS AND FATS (ANIMAL AND VEGETABLE), IN OINTMENTS, IN EMULSIONS, IN ESSENTIAL OILS, IN PERFUMES, AND IN COSMETIC PREPARATIONS. NIPA LABORATORIES, LTD., London, England.
Filed November 26, 1946. Serial No. 513,269. PUBLISHED AUGUST 10, 1948. Class 6.

441,267. COOKING UTENSILS—NAMELY, PRESSURE COOKERS, METAL POTS AND PANS. TRAUBEE PRODUCTS, INC., Brooklyn, N. Y.
Filed January 31, 1947. Serial No. 516,742. PUBLISHED AUGUST 3, 1948. Class 13.

441,268. CAST IRON SOIL PIPE AND FITTINGS. THE G. W. VANDERVORT COMPANY, Portsmouth, Ohio.
Filed January 31, 1947. Serial No. 516,745. PUBLISHED JULY 27, 1948. Class 13.

441,269. SOAP—NAMELY, HAND SOAP AND SHAVING SOAP. LIONEL G. ROTHCHILD, doing business as Lenel Company, Dallas, Tex.
Filed February 7, 1947. Serial No. 517,165. PUBLISHED NOVEMBER 4, 1947. Class 4.

441,270. SHUTTERS FOR PHOTOGRAPHIC CAMERAS. FEDERAL MANUFACTURING AND ENGINEERING CORP., Brooklyn, N. Y.
Filed February 15, 1947. Serial No. 517,568. PUBLISHED AUGUST 3, 1948. Class 26.

441,271. CANNED VEGETABLES, CHILI SAUCE RELISH, ETC. P. J. RITTER COMPANY, Bridgeton, N. J.
Filed February 19, 1947. Serial No. 517,796. PUBLISHED AUGUST 10, 1948. Class 46.

441,272. INDUSTRIAL PRESSURE CLAMPS AND PARTS THEREOF, SUCH CLAMPS BEING ADAPTED FOR USE ON PIPES, TANKS, HOSES AND THE LIKE. BAND-IT COMPANY, Denver, Colo.
Filed March 7, 1947. Serial No. 518,650. PUBLISHED JULY 27, 1948. Class 13.

441,273. TROUSER HANGERS. SNOOK INDUSTRIES, Kansas City, Mo.
Filed March 10, 1947. Serial No. 518,785. PUBLISHED JULY 27, 1948. Class 50.

441,274. EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR. THE KONO MANUFACTURING COMPANY, Woodside, N. Y.
Filed March 14, 1947. Serial No. 519,020. PUBLISHED SEPTEMBER 30, 1947. Class 26.

441,275. INDICATING GAUGES USED FOR MEASURING THE LEVEL OF LIQUIDS. ROCHESTER MANUFACTURING CO., INC., Rochester, N. Y.
Filed March 18, 1947. Serial No. 519,221. PUBLISHED JULY 13, 1948. Class 26.

441,276. RODS, TUBES, AND PARTLY PREPARED ARTICLES CONSISTING OF BENDABLE NON-METALLIC MATERIALS — NAMELY, RUBBER, SYNTHETIC RUBBER OR PLASTICS AND FOR USE IN THE MANUFACTURE OF HANDBAGS, ETC. INDUSTRIAL SYNTHETICS CORPORATION, Irvington, N. J.
Filed April 14, 1947. Serial No. 520,625. PUBLISHED AUGUST 3, 1948. Class 1.

441,277. PLASTIC ASPHALTIC COMPOUNDS PREPARED IN LIQUID AND PASTE FORM FOR PATCHING, ETC. PERMAFLEX PRODUCTS CO., Philadelphia, Pa.
Filed April 28, 1947. Serial No. 521,463. PUBLISHED JULY 27, 1948. Class 12.

441,278. FOLDING WIRE AND METAL LAUNDRY, CLOTHES, AND SHOPPING BASKETS; AND COLLAPSIBLE WIRE AND METAL LAUNDRY, CLOTHES, AND SHOPPING BASKETS. LEIPZIG & LIPPE, INC., New York, N. Y.
Filed April 28, 1947. Serial No. 521,492. PUBLISHED NOVEMBER 18, 1947. Class 2.

441,279. CELLULOSE MATERIAL IN SHEET FORM CARRYING GRASS SEED AND FERTILIZER. TAILOR MADE LAWN, INC., New York, N. Y.
Filed April 29, 1947. Serial No. 521,542. PUBLISHED AUGUST 10, 1948. Class 1.

441,280. VEGETABLE AND FLOWER SEEDS, BULBS, AND PLANTS; AND SOIL. WM. HENRY MAULE CO., Philadelphia, Pa., assignor to W. Atlee Burpee Company, Philadelphia, Pa., a corporation of Pennsylvania.
Filed May 5, 1947. Serial No. 521,885. PUBLISHED AUGUST 10, 1948. Class 1.

441,281. VEGETABLE AND FLOWER SEEDS, BULBS, AND PLANTS; AND SOIL. WM. HENRY MAULE CO., Philadelphia, Pa., assignor to W. Atlee Burpee Company, Philadelphia, Pa., a corporation of Pennsylvania.
Filed May 5, 1947. Serial No. 521,886. PUBLISHED AUGUST 10, 1948. Class 1.

441,282. VEGETABLE AND FLOWER SEEDS, BULBS, AND PLANTS; AND SOIL. WM. HENRY MAULE CO., Philadelphia, Pa., assignor to W. Atlee Burpee Company, Philadelphia, Pa., a corporation of Pennsylvania.
Filed May 5, 1947. Serial No. 521,887. PUBLISHED AUGUST 10, 1948. Class 1.

441,283. COAL AND COKE. MYRON B. WEIL, LTD., New York, N. Y.
Filed May 21, 1947. Serial No. 522,778. PUBLISHED AUGUST 10, 1948. Class 1.

441,284. SEEDS FOR AGRICULTURAL USE—NAMELY, HYBRID CORN, WHEAT, OATS, CLOVER, SOY BEANS, ALFALFA, TIMOTHY AND ALSACK. ERNEST S. SPOTTS, Wooster, Ohio.
Filed May 27, 1947. Serial No. 523,132. PUBLISHED AUGUST 3, 1948. Class 1.

441,285. VALVES—NAMELY, AIR VALVES, ANGLE VALVES, ANTI-FREEZING VALVES, ETC. THE WM. POWELL COMPANY, Cincinnati, Ohio.
Filed June 4, 1947. Serial No. 523,536. PUBLISHED JULY 27, 1948. Class 13.

441,286. LIQUID LANOLIN. ROBINSON, WAGNER CO., INC., New York, N. Y.
Filed June 21, 1947. Serial No. 524,624. PUBLISHED JULY 27, 1948. Class 6.

441,287. CUT FLOWERS, FOLIAGE, DECORATIVE FLORAL PIECES, BOUQUETS, BOUTONNIERES, ROSETTES, AND FOUNDATION BACKGROUNDS THEREFOR. CLARENCE H. WALKER, JR., doing business as Floral Service, San Mateo, Calif.
Filed July 1, 1947. Serial No. 525,463. PUBLISHED AUGUST 10, 1948. Class 1.

441,288. UNFITTED TOOL BOXES. D. J. ANDERSON, INC., Madison, Conn.
Filed July 2, 1947. Serial No. 525,528. PUBLISHED AUGUST 3, 1948. Class 2.

ACT OF 1920

These registrations are not subject to opposition.

441,289. (CLASS 39. CLOTHING.) GLENBY SPORTSWEAR COMPANY, New York, N. Y. Filed Oct. 9, 1946. Serial No. 510,501.

GLENBY

FOR MEN'S AND WOMEN'S KNITTED SWEATERS.
Claims use since 1940.

441,290. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANTHONY CASTELLO, doing business as Castello Packing Company, New York, N. Y. Filed Feb. 18, 1947. Serial No. 517,701.

CASTELLO

FOR OLIVE OIL AND A BLEND OF PEANUT OIL AND OLIVE OIL USED FOR SALAD AND COOKING PURPOSES.
Claims use since Feb. 9, 1940.

441,291. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD LABORATORIES, INC., New York, N. Y. Filed July 1, 1947. Serial No. 525,416.



FOR TEETHING LOTION.
Claims use since Mar. 13, 1920.

ACT OF 1946, PRINCIPAL REGISTER

503,709. TAPE DISPENSERS. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed November 10, 1947. Serial No. 489,594. PUBLISHED AUGUST 17, 1948. Class 2.

503,710. HYBRID SEED FOR WAXY-MAIZE. BEAR HYBRIDS CORN CO., Decatur, Ill.
Filed October 1, 1947. Serial No. 493,424. PUBLISHED AUGUST 10, 1948. Class 1.

503,711. FAUCETS AND PARTS THEREOF—NAMELY, METAL VALVES, STEMS, AND HANDLES. THE CHICAGO FAUCET COMPANY, Chicago, Ill.
Filed July 22, 1947. Serial No. 494,027. PUBLISHED JULY 27, 1948. Class 13.

503,712. INORGANIC PHOSPHATES FOR GENERAL USE IN THE PETROLEUM INDUSTRY INCLUDING THE TREATMENT OF PETROLEUM OILS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed July 12, 1947. Serial No. 497,954. PUBLISHED AUGUST 10, 1948. Class 1.

503,713. SHELLED AND UNSHELLED NUTS, AND SALTED, TOASTED, AND CANDIED NUTS. MONROE PECAN PRODUCTS, INCORPORATED, Waycross, Ga.
Filed September 19, 1947. Serial No. 500,892. PUBLISHED AUGUST 10, 1948. Class 46.

503,714. CIGARS. A. SENSENBRENNER SONS, Los Angeles, Calif.
Filed September 23, 1947. Serial No. 503,225. PUBLISHED AUGUST 10, 1948. Class 17.

503,715. BELLOWS OF METAL. COOK ELECTRIC COMPANY, Chicago, Ill.
Filed November 14, 1947. Serial No. 508,894. PUBLISHED JULY 27, 1948. Class 13.

503,716. CIGARETTE CASES, MADE OF MATERIAL OTHER THAN PRECIOUS METAL. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed August 8, 1947. Serial No. 511,288. PUBLISHED AUGUST 10, 1948. Class 8.

503,717. LIQUID CHEMICAL WATERPROOFING COMPOUND FOR STEEL, LINOLEUM, RUBBER, CORK, WOOD, TEXTILES, PAPER, LEATHER, CANVAS, CEMENT, ETC. THE EMPIRE VARNISH COMPANY, Cleveland, Ohio.
Filed September 15, 1947. Serial No. 512,901. PUBLISHED AUGUST 3, 1948. Class 6.

503,718. SYNTHETIC RESIN COMPOSITIONS FOR USE IN SETTING BENDS, TWISTS OR KINKS IN FIBERS AND YARNS OF ANIMAL ORIGIN. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed July 12, 1947. Serial No. 513,671. PUBLISHED JULY 27, 1948. Class 6.

503,719. FLUID FLOW AND RECORDING INSTRUMENTS, ETC. FISCHER & PORTER COMPANY, Hatboro, Pa.
Filed October 11, 1947. Serial No. 513,817. PUBLISHED JULY 27, 1948. Class 26.

503,720. FLUID FLOW INDICATING AND RECORDING INSTRUMENTS, ETC. FISCHER & PORTER COMPANY, Hatboro, Pa.
Filed October 11, 1947. Serial No. 513,818. PUBLISHED JULY 27, 1948. Class 26.

503,721. FLUID FLOW INDICATING AND RECORDING INSTRUMENTS; FLOW CONTROLLERS FOR AUTOMATICALLY MAINTAINING AT A PREDETERMINED GIVEN VALUE THE RATE OF FLOW OF A FLUID, ETC. FISCHER & PORTER COMPANY, Hatboro, Pa.
Filed October 11, 1947. Serial No. 513,819. PUBLISHED JULY 27, 1948. Class 26.

503,722. CANNED CAT FOOD. NATIONAL PACKING CORPORATION, Boston, Mass.
Filed September 9, 1947. Serial No. 518,421. PUBLISHED AUGUST 10, 1948. Class 46.

503,723. BOTTLED GAS. COOPERATIVE SEED AND FARM SUPPLY SERVICE, INC., Richmond, Va.
Filed September 4, 1947. Serial No. 519,515. PUBLISHED JULY 27, 1948. Class 6.

503,724. FACIAL OIL, FACIAL CREAMS, FACIAL ASTRINGENT, HAND LOTION AND A FACIAL CREAM FOUNDATION BASE FOR MAKE-UP PURPOSES. ROBANEL, Manhattan Beach, Calif.
Filed October 10, 1947. Serial No. 520,569. PUBLISHED JULY 13, 1948. Class 6.

503,725. TABLE SYRUPS, CANNED VEGETABLES, CANNED FRUITS, VEGETABLE JUICES, CATSUP, EGG NOODLES, PEANUT BUTTER, AND ALIMENTARY PASTES. EBHART-CONRAD COMPANY, Hanover, Pa.
Filed November 3, 1947. Serial No. 521,004. PUBLISHED AUGUST 10, 1948. Class 46.

503,726. CEREAL BREAKFAST FOODS. VAN BRODE MILLING CO., INC., Clinton, Mass.
Filed August 12, 1947. Serial No. 522,546. PUBLISHED AUGUST 10, 1948. Class 46.

503,727. LIPSTICKS. CHESBRA, INC., New York, N. Y.
Filed July 5, 1947. Serial No. 522,622. PUBLISHED AUGUST 10, 1948. Class 6.

503,728. FELT IN THE PIECE. AMERICAN FELT COMPANY, Glenville, Conn.
Filed November 28, 1947. Serial No. 522,883. PUBLISHED AUGUST 3, 1948. Class 50.

503,729. MEN'S AND BOYS' COATS, VESTS, PANTS, JACKETS, AND OVERCOATS. KNICKERBOCKER CLOTHING CO., St. Louis, Mo.
Filed July 11, 1947. Serial No. 523,844. PUBLISHED JULY 20, 1948. Class 39.

503,730. APPAREL BELTS, GARTERS, SUSPENDERS, BRACES AND ARMBANDS. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed July 5, 1947. Serial No. 526,548. PUBLISHED JULY 27, 1948. Class 39.

503,731. CHEMICAL FIRE EXTINGUISHERS CONSISTING OF A CONTAINER OF POWDERED MATERIAL ADAPTED TO BE MANUALLY DISPENSED AND THROWN INTO THE FLAME. THERMET FIRE EXTINGUISHERS, INC., Reno, Nev.
Filed July 5, 1947. Serial No. 526,554. PUBLISHED JULY 13, 1948. Class 6.

503,732. METAL TUBING AND SHAPED METAL TUBE LENGTHS. BUNDY TUBING COMPANY, Detroit, Mich.
Filed July 5, 1947. Serial No. 526,717. PUBLISHED AUGUST 3, 1948. Class 13.

503,733. BICARBONATE OF SODA (BAKING SODA) FOR USE AS A DETERGENT, CLEANING AND WASHING AGENT. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,783. PUBLISHED AUGUST 3, 1948. Class 4.

503,734. THE PRODUCT PHENYL-AZO-ALPHA-ALPHA-DIAMINO-PYRIDINE HYDROCHLORIDE AND BASE IN VARIOUS FORMS AND COMBINATIONS FOR ANTISEPTIC, HEALING, AND VARIOUS OTHER THERAPEUTIC AND LABORATORY PURPOSES. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed July 5, 1947. Serial No. 526,934. PUBLISHED AUGUST 10, 1948. Class 6.

503,735. AMMONIUM ICHTHOSULFONATE USED FOR THE TREATMENT OF SKIN DISEASES. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed July 5, 1947. Serial No. 526,935. PUBLISHED AUGUST 10, 1948. Class 6.

503,736. LUBRICATING OIL FOR HAND CREAM SEPARATORS. THE PURE OIL COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,279. PUBLISHED AUGUST 3, 1948. Class 15.

503,737. CORRUGATED FERROUS METAL HEADWALLS, ARCHES, BACK WALLS, RETAINING WALLS, TUNNEL LINING, BRIDGE DECKING, SHEET PILING, ABUTMENT WALLS, CAR SIDING AND CAISSONS. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, now by change of name Armco Steel Corporation.
Filed July 5, 1947. Serial No. 527,663. PUBLISHED JULY 13, 1948. Class 12.

503,738. FERROUS METAL GUARD RAILS FOR USE IN BUILDING CONSTRUCTION. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, now by change of name Armco Steel Corporation.
Filed July 5, 1947. Serial No. 527,730. PUBLISHED JULY 13, 1948. Class 12.

503,739. BINOCULAR CASES AND CAMERA CASES. TALON, INC., Meadville, Pa.
Filed July 5, 1947. Serial No. 527,892. PUBLISHED JULY 13, 1948. Class 26.

503,740. FERROUS METAL CULVERTS AND PARTS THEREFOR—NAMELY, PLATES, BOLTS AND ATTACHMENTS SOMETIMES SOLD AS UNITS AND SOMETIMES ASSEMBLED AS FINISHED CULVERTS. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, now by change of name Armco Steel Corporation.
Filed July 5, 1947. Serial No. 527,910. PUBLISHED JULY 27, 1948. Class 12.

503,741. SCREWS, BOLTS, NUTS, METAL WASHERS, AND RIVETS. PHEOLL MANUFACTURING COMPANY, Chicago, Ill.
Filed July 9, 1947. Serial No. 528,227. PUBLISHED JULY 27, 1948. Class 13.

503,742. OPHTHALMIC LENSES. THE ROBINSON HOUCHIN OPTICAL COMPANY, Columbus, Ohio.
Filed July 10, 1947. Serial No. 528,312. PUBLISHED JULY 13, 1948. Class 26.

503,743. MACHINE STAPLES FOR STAPLING MACHINES, TACKERS, AND/OR PLIERS. SPEED PRODUCTS CO., INC., Long Island City, N. Y.
Filed July 12, 1947. Serial No. 528,525. PUBLISHED JULY 20, 1948. Class 13.

503,744. TENTS, WINDOW AWNINGS, POPCH AWNINGS, TERRACE AWNINGS, STORE AWNINGS, PENTHOUSE AWNINGS, CANOPIES, TARPAULINS, MARQUEES, ALL MADE OF CANVAS. EVEREADY CANVAS CORPORATION, New York, N. Y.
Filed July 15, 1947. Serial No. 528,615. PUBLISHED JULY 27, 1948. Class 50.

503,745. THERMAL AND ACOUSTICAL INSULATION MATERIAL FORMED OF WOOD PULP AND HAVING A PAPER COVER SHEET RESISTANT TO FIRE AND WATER. KIMBERLY-CLARK CORPORATION, Neenah, Wis.
Filed July 19, 1947. Serial No. 528,933. PUBLISHED JULY 27, 1948. Class 12.

503,746. ROLLER WHEEL ASSEMBLIES COMPRISING SMALL METAL WHEELS, ETC. WOODMARK INDUSTRIES INCORPORATED, Minneapolis, Minn.
Filed July 21, 1947. Serial No. 529,122. PUBLISHED JULY 20, 1948. Class 13.

503,747. MEDICINAL PREPARATION INTRAVENOUSLY ADMINISTERED FOR THE TREATMENT OF TROPICAL DISEASES. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed July 22, 1947. Serial No. 529,140. PUBLISHED JULY 27, 1948. Class 6.

503,748. LUBRICATING OILS AND GREASES. HAGGERTY REFINING CO., New York, N. Y.
Filed July 24, 1947. Serial No. 529,376. PUBLISHED AUGUST 10, 1948. Class 15.

503,749. LUBRICATING OILS. HAGGERTY REFINING CO., New York, N. Y.
Filed July 24, 1947. Serial No. 529,377. PUBLISHED AUGUST 3, 1948. Class 15.

503,750. LUBRICATING OILS AND GREASES. FISKE BROTHERS REFINING CO., Newark, N. J.
Filed July 25, 1947. Serial No. 529,447. PUBLISHED AUGUST 3, 1948. Class 15.

503,751. BEVERAGE DISPENSING FAUCETS. THE WOOSTER BRASS COMPANY, Wooster, Ohio.
Filed July 25, 1947. Serial No. 529,517. PUBLISHED JULY 27, 1948. Class 13.

503,752. PNEUMATIC TIRE VALVE STEMS, PNEUMATIC TIRE VALVES, VALVE CORES, VALVE STEM CAPS, VALVE EXTENSION STEMS, PNEUMATIC TIRE AIR CHUCKS, VALVE STEM BRIDGE WASHERS, VALVE STEM HEX NUTS, PNEUMATIC PILLOW VALVES. THE DILL MANUFACTURING COMPANY, Cleveland, Ohio.
Filed July 30, 1947. Serial No. 529,971. PUBLISHED AUGUST 3, 1948. Class 13.

503,753. LUBRICATING OILS AND GREASES. FISKE BROTHERS REFINING CO., Newark, N. J.
Filed July 30, 1947. Serial No. 529,975. PUBLISHED AUGUST 3, 1948. Class 15.

503,754. ESTERS, MIXTURES OF ESTERS AND ESTERS OR MIXTURES OF ESTERS COMPOUNDED WITH MODIFYING AGENTS SUCH AS RESINS, FATTY OILS, MINERAL OILS, SULPHONATES, SOAPS, AMIDES OR OTHER MATERIALS, HAVING A GENERAL USE IN THE INDUSTRIAL ARTS; BUT EXCLUDING QUATERNARY AMMONIUM GERMICIDAL COMPOUNDS FOR USE IN SUCH ARTS. QUAKER CHEMICAL PRODUCTS CORP., Conshohocken, Pa.
Filed August 4, 1947. Serial No. 530,429. PUBLISHED MAY 4, 1948. Class 6.

503,755. CIGARS AND SMOKING TOBACCO. MEDALIST CO., INC., Passaic, N. J.
Filed August 6, 1947. Serial No. 530,663. PUBLISHED AUGUST 10, 1948. Class 17.

503,756. MULTIPLE VITAMIN PREPARATION. ABBOTT LABORATORIES, North Chicago, Ill.
Filed August 16, 1947. Serial No. 531,572. PUBLISHED MARCH 2, 1948. Class 6.

503,757. LAMINATED PLYWOOD COVERED WITH STAINLESS STEEL, ALUMINUM, OR OTHER KINDS OF THIN SHEET METAL, ETC. MET-L-WOOD CORPORATION, Chicago, Ill.
Filed August 16, 1947. Serial No. 531,613. PUBLISHED JULY 13, 1948. Class 12.

503,758. PETROLEUM SULPHONATES USEFUL AS EMULSIFIERS AND WETTING AGENTS. GRIFFIN CHEMICAL COMPANY, San Francisco, Calif.
Filed August 19, 1947. Serial No. 531,792. PUBLISHED AUGUST 3, 1948. Class 6.

503,759. LUBRICATING OILS AND GREASES. W. H. BARBER COMPANY, Minneapolis, Minn.
Filed August 23, 1947. Serial No. 532,201. PUBLISHED AUGUST 3, 1948. Class 15.

503,760. SOLUTION FOR THE RELIEF OF CONGESTION OF THE MUCOUS MEMBRANES OF THE NOSE AND THROAT. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed August 25, 1947. Serial No. 532,336. PUBLISHED AUGUST 10, 1948. Class 6.

503,761. WRITING BOARDS, ALSO KNOWN AS BLACKBOARDS. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed August 28, 1947. Serial No. 532,785. PUBLISHED JULY 27, 1948. Class 50.

503,762. PETROLEUM PRODUCTS—NAMELY, LUBRICATING OIL. THE CONSOLIDATED FLOUR MILLS COMPANY, Wichita, Kans.
Filed September 3, 1947. Serial No. 533,147. PUBLISHED AUGUST 3, 1948. Class 15.

503,763. MEN'S AND BOYS' SPORTS JACKETS. LOUIS GOLDSMITH INC., Philadelphia, Pa.
Filed August 19, 1947. Serial No. 533,492. PUBLISHED AUGUST 3, 1948. Class 39.

503,764. SPECTACLE FRAMES MADE OF PLASTIC MATERIAL. VICTORY OPTICAL MANUFACTURING COMPANY, Newark, N. J.
Filed September 10, 1947. Serial No. 534,069. PUBLISHED JULY 20, 1948. Class 26.

503,765. CAMERAS. JACK GALTER, Chicago, Ill.
Filed September 13, 1947. Serial No. 534,429. PUBLISHED JULY 13, 1948. Class 26.

503,766. READING GLASSES. CONTINENTAL OPTICAL COMPANY, INC., Indianapolis, Ind.
Filed September 17, 1947. Serial No. 534,753. PUBLISHED JULY 20, 1948. Class 26.

503,767. MOTION PICTURE FILMS. UNITED WORLD FILMS, INC., New York, N. Y.
Filed September 20, 1947. Serial No. 535,201. PUBLISHED JULY 20, 1948. Class 26.

503,768. STROBOSCOPIC TACHOMETERS. BOULIN INSTRUMENT CORPORATION, New York, N. Y.
Filed September 24, 1947. Serial No. 535,468. PUBLISHED JULY 20, 1948. Class 26.

503,769. ASBESTOS ROOF CEMENT IN PASTE FORM FOR PATCHING ROOFS. J. F. KURFEES PAINT COMPANY, Louisville, Ky.
Filed September 24, 1947. Serial No. 535,541. PUBLISHED JULY 27, 1948. Class 12.

503,770. ASBESTOS ROOF CEMENT IN PASTE FORM, ROOFERS' PITCH OR LAP CEMENT, AND CAULKING COMPOUNDS. J. F. KURFEES PAINT COMPANY, Louisville, Ky.
Filed September 24, 1947. Serial No. 535,558. PUBLISHED JULY 27, 1948. Class 12.

503,771. ASBESTOS ROOF CEMENT IN PASTE FORM, ROOFERS' PITCH OR LAP CEMENT, AND CAULKING COMPOUNDS. J. F. KURFEES PAINT COMPANY, Louisville, Ky.
Filed September 24, 1947. Serial No. 535,566. PUBLISHED JULY 27, 1948. Class 12.

503,772. SPECTACLES AND EYEGLASSES AND LENSES FOR THE SAME. COSMET COMPANY, Minneapolis, Minn.
Filed September 26, 1947. Serial No. 535,819. PUBLISHED JULY 20, 1948. Class 26.

503,773. FLUSH PIN GAUGES; FIXED SNAP GAUGES; ETC. NILSSON GAGE CO., INC., Poughkeepsie, N. Y.
Filed October 4, 1947. Serial No. 536,828. PUBLISHED JULY 27, 1948. Class 26.

503,774. VITAMIN PRODUCTS AND A BULK LAXATIVE PREPARATION. PAUL C. BRAGG, doing business as Live Food Products Co., Burbank, Calif.
Filed October 6, 1947. Serial No. 536,871. PUBLISHED AUGUST 10, 1948. Class 6.

503,775. COTTON RUGS—NAMELY, SHAG, LOOP, CHENILLE AND WOVEN RUGS. C. & M. RUG COMPANY, Tuscaloosa, Ala.
Filed October 7, 1947. Serial No. 537,001. PUBLISHED JULY 20, 1948. Class 42.

503,776. WOODEN BOXES FOR BOTTLED GOODS AND OTHER COMMODITIES. GENERAL BOX COMPANY, Chicago, Ill.
Filed October 8, 1947. Serial No. 537,171. PUBLISHED AUGUST 17, 1948. Class 2.

503,777. INSECTICIDES. ANDREW WILSON, INC., Springfield, N. J.
Filed October 8, 1947. Serial No. 537,265. PUBLISHED JULY 27, 1948. Class 6.

503,778. ASBESTOS AND ASPHALT CEMENT PREPARATION FOR REPAIRING AND RENEWING OLD ROOFS. RUTLAND FIRE CLAY COMPANY, Rutland, Vt.
Filed October 13, 1947. Serial No. 537,734. PUBLISHED JULY 27, 1948. Class 12.

503,779. THERMOPLASTIC MOLDING COMPOSITION FOR GENERAL USE IN THE INDUSTRIAL ARTS. DUMOR PLASTICS INC., Atco, N. J.
Filed October 14, 1947. Serial No. 537,791. PUBLISHED AUGUST 3, 1948. Class 1.

503,780. LADIES' BLOUSES. JUDY BOND, INC., New York, N. Y.
Filed October 18, 1947. Serial No. 538,236. PUBLISHED JULY 20, 1948. Class 39.

503,781. DETERGENT FOR CLEANSING THE SKIN, KITCHEN UTENSILS, TILE, BATHROOM FIXTURES, PAINTED WOODWORK, MARBLE, GLASSWARE, AND SIMILAR ARTICLES. THE UTILITY CO., INC., New York, N. Y.
Filed October 20, 1947. Serial No. 538,471. PUBLISHED JUNE 1, 1948. Class 4.

503,782. SOAP, DOG SOAP, HOUSEHOLD POLISHING POWDER AND CLEANSERS. JOHN T. STANLEY CO. INC., New York, N. Y.
Filed October 28, 1947. Serial No. 539,362. PUBLISHED AUGUST 3, 1948. Class 4.

503,783. LAUNDRY BLUES. THE STANDARD ULTRAMARINE CO., Huntington, W. Va.
Filed October 29, 1947. Serial No. 539,451. PUBLISHED JULY 27, 1948. Class 6.

503,784. SMOKING AND CHEWING TOBACCO. PENN TOBACCO COMPANY, Wilkes-Barre, Pa.
Filed October 31, 1947. Serial No. 539,754. PUBLISHED JUNE 22, 1948. Class 17.

503,785. VANITY CASES, COMPACTS, AND LIPSTICK HOLDERS MADE OF BASE METAL AND PLASTIC AND SOLD IN TRADE EMPTY. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 3, 1947. Serial No. 539,964. PUBLISHED AUGUST 10, 1948. Class 2.

503,786. DEFLUORINATED PHOSPHATE FOR USE AS PLANT AND ANIMAL FOOD SUPPLEMENTS. INTERNATIONAL MINERALS AND CHEMICAL CORPORATION, Chicago, Ill.
Filed November 5, 1947. Serial No. 540,191. PUBLISHED JULY 27, 1948. Class 6.

503,787. GUMMED TEXTILE-FABRIC TAPE SOLD IN ROLLS. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed September 9, 1947. Serial No. 542,399. PUBLISHED AUGUST 10, 1948. Class 5.

503,788. VANITY CASES, COMPACTS, AND LIPSTICK HOLDERS MADE OF BASE METAL AND PLASTIC AND SOLD IN TRADE EMPTY. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 28, 1947. Serial No. 542,601. PUBLISHED AUGUST 17, 1948. Class 2.

503,789. ANTACID POWDER. THE DE PREE COMPANY, Holland, Mich.
Filed February 27, 1948 Serial No. 542,633. PUBLISHED AUGUST 10, 1948. Class 6.

503,790. CALCIUM AND PHOSPHATE PREPARATION. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif.
Filed December 8, 1947. Serial No. 543,702. PUBLISHED AUGUST 10, 1948. Class 6.

503,791. IODINE PREPARATION. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif.
Filed December 8, 1947. Serial No. 543,703. PUBLISHED AUGUST 10, 1948. Class 6.

503,792. VITAMIN B PREPARATION. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif.
Filed December 8, 1947. Serial No. 543,707. PUBLISHED AUGUST 10, 1948. Class 6.

503,793. PAPER AND RUBBER CEMENT. UNION RUBBER & ASBESTOS CO., Trenton, N. J.
Filed December 15, 1947. Serial No. 544,406. PUBLISHED AUGUST 10, 1948. Class 5.

503,794. PREPARATIONS CONTAINING ACTIVE HORMONAL COMPOUNDS IN THE FORM OF TABLETS, ETC. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J.
Filed January 2, 1948. Serial No. 545,952. PUBLISHED JULY 27, 1948. Class 6.

503,795. PREPARATIONS CONTAINING ACTIVE HORMONAL COMPOUNDS IN THE FORM OF TABLETS, ETC. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J.
Filed January 2, 1948. Serial No. 545,953. PUBLISHED JULY 27, 1948. Class 6.

503,796. SULPHUR, INSECTICIDES AND FUNGICIDES. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed January 22, 1948. Serial No. 547,785. PUBLISHED JULY 27, 1948. Class 6.

503,797. PREPARATION USED IN THE TREATMENT OF CARDIOVASCULAR DISEASE. G. D. SEARLE & CO., Chicago, Ill.
Filed February 4, 1948. Serial No. 548,764. PUBLISHED JULY 27, 1948. Class 6.

503,798. LAXATIVE. CALOTABS COMPANY, Atlanta, Ga.
Filed February 6, 1948. Serial No. 548,926. PUBLISHED AUGUST 10, 1948. Class 6.

503,799. WATER SOFTENERS, TALCUM POWDER, COLOGNE AND BATH OIL. BATHASWEET CORPORATION, New York, N. Y.
Filed February 7, 1948. Serial No. 549,046. PUBLISHED AUGUST 10, 1948. Class 6.

503,800. WASHING COMPOSITION, PARTICULARLY ADAPTED FOR THE LAUNDERING OF TEXTILE FABRICS. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed February 13, 1948. Serial No. 549,687. PUBLISHED AUGUST 3, 1948. Class 4.

503,801. CREAM HAND CLEANER FOR USE WITHOUT WATER. CADDO PRODUCTS COMPANY, Bossier City, La.
Filed March 2, 1948. Serial No. 550,993. PUBLISHED AUGUST 3, 1948. Class 4.

503,802. CONSOLIDATED CERTIFICATE. BLANKE-BAER EXTRACT & PRESERVING COMPANY, St. Louis, Mo.
FOOD COLORINGS. Filed July 5, 1947. Serial No. 527,442. PUBLISHED JANUARY 13, 1948. Class 6.
FLAVORING EXTRACTS AND FOUNTAIN SYRUPS USED IN THE PREPARATION AND FLAVORING OF NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Filed July 5, 1947. Serial No. 527,416. PUBLISHED MARCH 2, 1948. Class 45.
JAM, MARMALADE, FRUIT BUTTERS, FRUIT PRESERVES, PRESERVED FRUIT, JELLIES, FLAVORING EXTRACTS FOR FOODS, ETC. Filed July 5, 1947. Serial No. 527,351. PUBLISHED JANUARY 27, 1948. Class 46.

Service Marks

503,803. SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN AND INSTALMENT CREDIT BUSINESS. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del.
Filed July 5, 1947. Serial 527,270. PUBLISHED JULY 13, 1948. Class 55.

503,804. RAILROAD PASSENGER AND FREIGHT TRANSPORTATION SERVICE. THE BALTIMORE & OHIO RAILROAD COMPANY, Baltimore, Md.
Filed September 2, 1947. Serial No. 532,996. PUBLISHED AUGUST 17, 1948. Class 55.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

503,805. (CLASS 39. CLOTHING.) JACOB TANENBAUM, New York, N. Y. Filed Apr. 20, 1948. Serial No. 497,350.

ASTORNET

FOR HAIR NETS.
Claims use since Jan. 7, 1946.

503,806. (CLASS 39. CLOTHING.) RENSELLO COMPANY, INC., New York, N. Y. Filed May 6, 1948. Serial No. 497,968.

Jama-Slack

FOR PAJAMAS FOR MEN, WOMEN AND BOYS.
Claims use since Nov. 14, 1945.

503,807. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COPPER TAN, INC., New York, N. Y., assignee of Clarise Maclevy, doing business as Copper Tan Mfg. Co. Filed Mar. 10, 1948. Serial No. 502,524.

COPPER TAN

FOR SUN-TAN CREAM AND SUN-TAN OIL.
Claims use since May 17, 1939.

503,808. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) W. R. CASE & SONS CUTLERY COMPANY, Bradford, Pa. Filed Mar. 22, 1948. Serial No. 506,425.

Jack Spratt

FOR KNIVES AND FORKS, INDIVIDUAL SETS OF CARVING KNIVES AND FORKS AND KITCHEN KNIVES AND FORKS COMPOSED OF BASE METAL.
Claims use since Jan. 1, 1946.

503,809. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) FRANK ANTHONY MLODZIKOWSKI, doing business under the name "Coffé-Cola Mfg. Co.," Philadelphia, Pa. Filed Feb. 20, 1948. Serial No. 507,064.

Coffé-Cola

FOR NON-ALCOHOLIC BEVERAGE MIX TO BE USED IN MAKING SOFT DRINKS.
Claims use since May 7, 1946.

503,810. (CLASS 38. PRINTS AND PUBLICATIONS.) MIDWEST TRADE, INC., Kansas City, Mo. Filed May 20, 1948. Serial No. 509,665.

fashion TOPIX

FOR TRADE MAGAZINES.
Claims use since Aug. 29, 1946.

503,811. (CLASS 39. CLOTHING.) GEORGIA SHOE MFG. CO., Flowery Branch, Ga. Filed Feb. 19, 1948. Serial No. 510,584.

PAIR-A-TROOPER

The picture of the man appearing on the drawing is fanciful.

FOR LEATHER BOOTS AND SHOES FOR MEN AND BOYS.

Claims use since February 1945.

503,812. (CLASS 12. CONSTRUCTION MATERIALS.) DAVISBILT STEEL JOIST, INC., Washington, D. C. Filed Nov. 5, 1947. Serial No. 512,110.

NAIL-IN-STEEL

FOR METAL JOISTS.

Claims use since Oct. 29, 1946.

503,813. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACK MEYERHOFF, doing business as Yester-Laid Egg Farms, East Vineland, N. J. Filed Feb. 14, 1948. Serial No. 512,128.

YESTER-LAID

FOR FRESHLY LAID EGGS.

Claims use since October 1945.

503,814. (CLASS 39. CLOTHING.) CHARLES WERSBA, New York, N. Y. Filed Mar. 23, 1948. Serial No. 513,083.

Sox-Saver

FOR FOOT SOCKS.

Claims use since Feb. 1, 1946.

503,815. (CLASS 38. PRINTS AND PUBLICATIONS.) CARL H. REISINGER, doing business as National Capital Processing Laboratories, Washington, D. C. Filed May 14, 1948. Serial No. 513,211.

CHINACOLOR

FOR PHOTOPRINTS.

Claims use since Sept. 14, 1946.

503,816. (CLASS 32. FURNITURE AND UPHOLSTERY.) SHERMAN-BERTRAM, INC., Los Angeles, Calif. Filed Aug. 2, 1948. Serial No. 513,642.

PLAN-A-GROUP

FOR UPHOLSTERED FURNITURE—NAMELY, DAVENPORTS AND DAVENPORT SECTIONS, LOVE SEATS AND LOVE SEAT SECTIONS, CHAIRS AND CHAIR SECTIONS, AND OCCASIONAL CHAIRS.

Claims use since Mar. 1, 1946.

503,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS PULICI, doing business as Pulici Packing Company, Glendale and Los Angeles, Calif. Filed Feb. 13, 1948. Serial No. 515,450.

Pulici

FOR CANNED SPAGHETTI SAUCE AND CANNED ZUCCHINI (ITALIAN SQUASH).

Claims use since Dec. 1, 1945, on canned spaghetti sauce; and since Dec. 1, 1946, on canned zucchini.

503,818. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN F. WOODHULL, doing business as Woody's Fishing Tackle Shop, Elmira, N. Y. Filed Jan. 27, 1948. Serial No. 515,735.

MARRA-BASS

FOR FISH LURES, VIZ., ARTIFICIAL FLIES.

Claims use since Aug. 24, 1946.

503,819. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PASQUALE MONTESANTO, doing business as East Haven Stove Bright Co., East Haven, Conn. Filed May 6, 1948. Serial No. 518,847.

GREEN BRICK

FOR SOLID, OR SEMISOLID, CLEANING AND POLISHING COMPOUND FOR METAL.

Claims use since Mar. 1, 1947.

503,820. (CLASS 39. CLOTHING.) MILLER MANUFACTURING CO., INC., Joplin, Mo., and New York, N. Y. Filed Oct. 10, 1947. Serial No. 519,286.

SMARTMAN

FOR MEN'S AND BOYS' SPORT SHIRTS, TROUSERS, AND SLACKS.

Claims use since Oct. 1, 1945.

503,821. (CLASS 39. CLOTHING.) NEWELL E. COXON, doing business as Beau Products Co., Penbrook, Harrisburg, Pa. Filed Feb. 16, 1948. Serial No. 519,863.

EQUALIZED WALKERS



FOR SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF FOR CHILDREN.

Claims use since Feb. 1, 1947.

503,822. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. J. G. MCDONALD CHOCOLATE COMPANY, Salt Lake City, Utah. Filed Aug. 10, 1948. Serial No. 519,888.

Margo Lamar

The trade-mark "Margo Lamar" is the name of a fictitious individual.

FOR CANDY.

Claims use since Dec. 1, 1946.

503,823. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) NEIL PRODUCTS INC., Los Angeles, Calif. Filed Aug. 14, 1948. Serial No. 520,112.

TASTREAT

Applicant claims ownership of registration No. 412,250.

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND FOUNTAIN EXTRACTS AND CONCENTRATES FOR MAKING THE SAME.

Claims use since Mar. 15, 1947.

503,824. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE ARUNDEL CORPORATION, Baltimore, Md. Filed Oct. 9, 1947. Serial No. 520,250.

THE ARUNDEL CORPORATION

No claim is made to the words "The" and "Corporation" apart from the mark.

FOR SAND, GRAVEL, ROUGH STONE, AND COMMERCIAL SLAG.

Claims use since June 1946.

503,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JIMMIE BARKER, Hollywood, Calif. Filed Jan. 27, 1948. Serial No. 521,107.



FOR SEASONING PREPARATION, CONSISTING OF GARLIC POWDER, PARSLEY POWDER AND PAPAIN POWDER.

Claims use since Mar. 12, 1946.

503,826. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATALANTA TRADING CORP., New York, N. Y. Filed Mar. 11, 1948. Serial No. 521,426.

CUBALAND

FOR CHEESE.

Claims use since Feb. 25, 1947.

503,827. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LESTER T. SAWYER, doing business as Hycrest Farm, Leominster, Mass. Filed July 28, 1948. Serial No. 524,351.

SUPER SWISS

FOR FRESH MILK, CREAM, AND ICE CREAM.
Claims use since June 1, 1946.

503,828. (CLASS 39. CLOTHING.) SUE SHELTON, INC., New York, N. Y., assignor to The Lerner Company, New York, N. Y., a firm. Filed Dec. 17, 1947. Serial No. 525,691.

SAG-PRUF SHOULDER by Sue Shelton

Applicant claims ownership of registration No. 428,580.
FOR MISSES' AND GIRLS' SWEATERS, KNITTED DRESSES AND JACKETS.
Claims use since June 3, 1946.

503,829. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed August 27, 1948. Serial No. 529,246.

FAST BALL

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since May 26, 1947.

503,830. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEY & PREST, Freehold, N. J. Filed Aug. 16, 1948. Serial No. 529,369.

OLD MONMOUTH

FOR PEANUT BRITTLE.
Claims use since July 1, 1946.

503,831. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Aug. 27, 1948. Serial No. 529,974.

PLAY-BALL

FOR A COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since January 1926.

503,832. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) ROTARY BRUSH CO., Bay City, Mich. Filed Aug. 14, 1947. Serial No. 531,377.

Kwik Komb Kleaner

FOR ROTARY BRUSH COMB CLEANERS.
Claims use since Mar. 15, 1938.

503,833. (CLASS 39. CLOTHING.) MARTHA MAID MFG. CO., Chicago, Ill. Filed June 5, 1948. Serial No. 532,848.



Applicant claims ownership of registration No. 409,997.
FOR WOMEN'S AND MISSES' UNDERWEAR—NAMELY, SLIPS.
Claims use since Aug. 23, 1943.

503,834. (CLASS 39. CLOTHING.) CABLE RAINCOAT COMPANY, Boston, Mass. Filed July 20, 1948. Serial No. 532,906.

NEVERLEEK

Applicant claims ownership of registration No. 114,942.
FOR MEN'S, WOMEN'S AND CHILDREN'S RAINCOATS.
Claims use since January 1940.

503,835. (CLASS 39. CLOTHING.) SUSAN SAGE INC., New York, N. Y. Filed Mar. 22, 1948. Serial No. 534,558.

Carol David

The name Carol David is fanciful.
FOR JUNIOR MISSES', MISSES' AND WOMEN'S DRESSES.
Claims use since Feb. 10, 1947.

503,836. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MYRA DEANE COMPANY, Kansas City, Mo. Filed Aug. 10, 1948. Serial No. 535,832.

Yours for Better Grooming

FOR HAIR OIL, AFTER SHAVE LOTION, SHAVING CREAM AND TALCUM POWDER.
Claims use since Apr. 15, 1947.

503,837. (CLASS 39. CLOTHING.) THE MCKAY PRODUCTS CORPORATION, Baltimore, Md. Filed Aug. 2, 1948. Serial No. 539,538.

TRICOTONE

FOR LADIES' AND CHILDREN'S UNDERWEAR.
Claims use since Oct. 31, 1946.

503,838. (CLASS 39. CLOTHING.) GLENSDER TEXTILE CORP., New York, N. Y. Filed Dec. 29, 1947. Serial No. 545,625.

Waverly

Applicant claims ownership of registration No. 397,636.
FOR LADIES' SCARFS.
Claims use since July 9, 1941.

503,839. (CLASS 39. CLOTHING.) MEYER SOLOWEY, Philadelphia, Pa. Filed Dec. 29, 1947. Serial No. 545,655.

Caldwell

FOR LADIES', MISSES' AND JUNIOR MISSES' DRESSES.
Claims use since July 22, 1946.

503,840. (CLASS 39. CLOTHING.) JOSEPH GUTTMAN & BROS., New York, N. Y. Filed Jan. 28, 1948. Serial No. 548,158.

Barbara Carol

Applicant claims ownership of registration No. 400,033.
FOR LADIES' AND MISSES' KNITTED DRESSES, BLOUSES, SKIRTS, JACKETS AND SWEATERS.
Claims use since May 27, 1941.

503,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM WILLER, doing business as Roswill Laboratories, Washington, D. C. Filed Mar. 8, 1948. Serial No. 551,502.

DENTURAID

FOR MOUTH RINSE.
Claims use since Oct. 13, 1934.

TRADE-MARK REGISTRATIONS RENEWED

32,076. "DEERFOOT" ETC., REPRESENTATION OF DEER'S FOOT AND DESIGN. Registered Oct. 18, 1898. Robert M. Burnett. Re-renewed Oct. 18, 1948, to Deerfoot Farms Company, Southboro, Mass., a corporation of Delaware. PORK, SAUSAGES, HAMS, STRIPPED BACON, SLICED BACON, AND LARD. Class 46.

32,301. UNEEDA. Registered Dec. 27, 1898. National Biscuit Company, Jersey City, N. J., and Chicago, Ill. Re-renewed Dec. 27, 1948, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. BISCUITS, CRACKERS, CAKES, BREAD, SNAPS, JUMBLES, HARD AND SOFT BOILED CONFECTIONERY, ETC. Class 46.

65,988. REPRESENTATION OF A WINDMILL, ETC. Registered Nov. 5, 1907. W. E. Compton, doing business as Arthur James. Re-renewed Nov. 5, 1947, to T. Hessin & Co. (Needles & Fish Hooks) Ltd., Redditch, Worcestershire, England, a company organized under the laws of England. FISH-HOOKS. Class 22.

70,366. JEWEL. Registered Aug. 25, 1908. Detroit Stove Works. Re-renewed Aug. 25, 1948, to Detroit-Michigan Stove Company, Detroit, Mich., a corporation of Michigan. HEATING AND COOKING STOVES, FURNACES AND RANGES AND PARTS THEREOF. Class 34.

71,170. P P P. Registered Nov. 3, 1908. Florence V. Lippman, Savannah, Ga. Re-renewed Nov. 3, 1948, to Clarence H. Cohen, Augusta, Ga. MEDICINE USED AS A BLOOD PURIFIER. Class 6.

72,571. PLYMOUTH FURS. Registered Feb. 2, 1909. The Plymouth Fur Co. Re-renewed Feb. 2, 1949, to Plymouth Furs, Inc., Minneapolis, Minn., a corporation of Minnesota. FUR COATS, FUR JACKETS, FUR-LINED COATS, FUR SHAWLS, ETC. Class 39.

72,658. E. C. Registered Feb. 9, 1909. Laflin & Rand Powder Company, New York, N. Y., assignor to E. I. du Pont de Nemours Powder Company. Re-renewed Feb. 9, 1949, to Hercules Powder Company, Wilmington, Del., a corporation of Delaware. SMOKELESS POWDER FOR SHOTGUNS AND RIFLES, AND BLANK FIRE POWDER. Class 9.

227,141. ALBERT VERLEY. Registered Apr. 26, 1927. Albert Verley, Inc. Renewed Jan. 5, 1948 (Supplemental Register), to Albert Verley & Company, Inc., Chicago, Ill., a corporation of Illinois. CHEMICALS, ALDEHYDES, ALCOHOLS, AND NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMING PURPOSES. Class 6.

239,254. QUEEN ANNE. Registered Feb. 28, 1928. Peoples Drug Stores Inc. Renewed Feb. 28, 1948, to Peoples Drug Stores, Inc., Washington, D. C., a corporation of Maryland. LOTION FOR THE SKIN. Class 6.

241,738. MISS AMERICA. Registered May 8, 1928. American Standard Watch Case Company, Inc., Providence, R. I., and New York, N. Y. Renewed May 8, 1948, to Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. WRIST OR STRAP WATCHES. Class 27.

244,592. GOLD CRAFT. Registered July 24, 1928. Peoples Drug Stores, Inc. Renewed July 24, 1948, to Peoples Drug Stores, Inc., Washington, D. C., a corporation of Maryland. CANDY. Class 46.

245,458. GRAYCREST. Registered Aug. 14, 1928. The Ottumwa Mercantile Co., Ottumwa, Iowa. Renewed Aug. 14, 1948, to United Mills Corporation, Mt. Gilead, N. C., a corporation of North Carolina. HOSIERY AND UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN. Class 39.

245,587. "THE WITCHERIE" AND DESIGN. Registered Aug. 14, 1928. Harry H. Clark, New York, N. Y. Renewed Aug. 14, 1948. SANDWICHES. Class 46.

245,919. CLEARTONE. Registered Aug. 28, 1928. R. H. Comey Companies Consolidated. Renewed Aug. 28, 1948, to R. H. Comey Company, Inc., Brooklyn, N. Y., a corporation of New York. DYED AND BLEACHED BRAIDS USED IN THE MANUFACTURE OF HATS COMPOSED PRINCIPALLY OF STRAW, CHIP, HEMP, VISCA, ETC. Class 40.

245,983. IBATH. Registered Aug. 28, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Aug. 28, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. EYE-WASH. Class 6.

245,986. PURSIN. Registered Aug. 28, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Aug. 28, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. ALTERNATIVE GENERAL TONICS AND LAXATIVES. Class 6.

245,995. SUPERCREAM. Registered Aug. 28, 1928. R. H. Comey Companies Consolidated. Renewed Aug. 28, 1948, to R. H. Comey Company, Inc., Brooklyn, N. Y., a corporation of New York. STRAW BRAID FOR USE IN MEN'S HATS. Class 40.

246,008. ORA. Registered Aug. 28, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Aug. 28, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. DEODORANT. Class 6.

246,009. YODORA. Registered Aug. 28, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Aug. 28, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. DEODORANT. Class 6.

246,013. SHAV. Registered Aug. 28, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Aug. 28, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. SHAMPOO. Class 6.

246,194. MUSTARX. Registered Sept. 4, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Sept. 4, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. OINTMENT FOR RHEUMATISM, LUMBAGO, SCIATICA, NEURALGIA, BRUISES, CHILBLAINS, ETC. Class 6.

246,196. BURNTONE. Registered Sept. 4, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Sept. 4, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. OINTMENT FOR CUTS, BURNS, BRUISES, COLD SORES, PIMPLES, AND AS A QUICK-HEALING ANTISEPTIC SALVE. Class 6.

246,230. SORETONE. Registered Sept. 4, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Sept. 4, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. ANTISEPTIC OINTMENT. Class 6.

246,286. REPRESENTATION OF RING LINED FOR BLUE. Registered Sept. 4, 1928. J. A. Sexauer Manufacturing Co., Inc., New York, N. Y., a corporation of New York. Renewed Sept. 4, 1948. TANK-VALVE BULBS. Class 13.

246,328. HEBREW WORDS MEANING "ROKEACH'S NYAFAT KOSHER" AND DESIGN. Registered Sept. 4, 1928. I. Rokeach & Sons, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Sept. 4, 1948. VEGETABLE FAT. Class 46.

246,398. GESTION. Registered Sept. 4, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Sept. 4, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. PREPARATION FOR THE RELIEF OF INDIGESTION. Class 6.

246,504. DAROL. Registered Sept. 11, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Sept. 11, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. MUSTARD OINTMENT FOR RHEUMATISM, LUMBAGO, SCIATICA, NEURALGIA, BRUISES, ETC. Class 6.

246,543. AEROFLEX. Registered Sept. 11, 1928. Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey. Renewed Sept. 11, 1948. FLEXIBLE METALLIC CONDUIT FOR USE IN RUNNING ELECTRIC WIRES. Class 21.

246,592. THE JURIST. Registered Sept. 11, 1928. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Renewed Sept. 11, 1948, to The May Department Stores Company, St. Louis, Mo., a corporation of New York. PORTFOLIOS, BRIEF CASES, HAND BAGS, SUITCASES, SATCHELS, GRIPS, TRAVELLING CASES, SHAWL STRAPS, AND HAT BOXES. Class 3.

246,613. TIGER. Registered Sept. 11, 1928. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Renewed Sept. 11, 1948. GOLF BALLS. Class 22.

246,743. ALBAGAR. Registered Sept. 11, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Sept. 11, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. MINERAL OIL FOR MEDICINAL USE. Class 6.

246,745. OMAX. Registered Sept. 11, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Sept. 11, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. GENERAL TONIC. Class 6.

246,871. PORSTELAIN. Registered Sept. 18, 1928. Porcelain Tile Company, Chicago, Ill. Renewed Sept. 18, 1948, to Clyde Porcelain Steel Corporation, Clyde, Ohio, a corporation of Ohio. TILES AND FOUNDATION SHEETS PREPARED FOR THE CEMENTING OF TILES THERETO. Class 12.

247,445. SUPER-KRAFT. Registered Sept. 25, 1928. Superior Paper Products Company, Carnegie, Pa., a corporation of Delaware. Renewed Sept. 25, 1948. CORRUGATED-PAPER SHIPPING CONTAINERS. Class 2.

247,574. THERMOCOL. Registered Oct. 2, 1928. Food Materials Corporation, Chicago, Ill., a corporation of Illinois. Renewed Oct. 2, 1948. DYES. Class 6.

247,948. RATTAN. Registered Oct. 9, 1928. The Rattan Manufacturing Co., New Haven, Conn., a corporation of Connecticut. Renewed Oct. 9, 1948. CONDUIT FITTINGS, OUTLET BOXES, AND COVERS. Class 21.

247,986. "HOSTESS CAKE" AND DESIGN. Registered Oct. 9, 1928. Continental Baking Company, Wilmington, Del., and New York, N. Y., a corporation of Delaware. Renewed Oct. 9, 1948. CAKE. Class 46.

248,269. "THE STANDARD CARD CLOTHING CO." ETC. AND DESIGN. Registered Oct. 16, 1928. The Standard Card Clothing Company, Stafford Springs, Conn., a corporation of Connecticut. Renewed Oct. 16, 1948. CARD CLOTHING AND HAND CARDS FOR CARDING FOR USE IN THE TEXTILE INDUSTRY. Class 23.

248,567. PHOSPHATE. Registered Oct. 23, 1928. Rumford Chemical Works, Providence, R. I. Renewed Oct. 23, 1948, to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island. PERIODICALS—NAMELY, A PERIODICAL PUBLISHED FROM TIME TO TIME. Class 38.

248,579. "LESSONS IN LOVELINESS" ETC. AND SIGNATURE OF NELL VINICK. Registered Oct. 23, 1928. Nell Vinick, New York, N. Y. Renewed Oct. 23, 1948. MAGAZINE ARTICLES PUBLISHED FROM TIME TO TIME. Class 38.

249,028. COMPTOMETER NEWS. Registered Nov. 6, 1928. Felt and Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed Nov. 6, 1948. PERIODICAL. Class 38.

249,128. SIGNATURE OF ANEST DOXAKIS AND PORTRAIT. Registered Nov. 6, 1928. Anest Doxakis, Haynesville, La. Renewed Nov. 6, 1948, to Anest Doxakis, Houston, Tex. MEDICINAL PREPARATION FOR THE TREATMENT OF SYPHILIS, GONORRHEA, FISTULA, AND SKIN DISEASES. Class 6.

249,444. LA JOIE D'ELIZABETH. Registered Nov. 13, 1928. Elizabeth Arden, Inc. Renewed Nov. 13, 1948, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. PERFUME, TOILET WATER, SKIN CREAMS, TOILET POWDER, SKIN LOTIONS, BATH SALTS. Class 6.

249,498. McKINNEY. Registered Nov. 13, 1928. McKinney Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Nov. 13, 1948. HINGES, HINGE STRAPS, CORNER IRONS, SHELF BRACKETS, DOOR HANGERS, ETC. Class 13.

249,652. FFF. Registered Nov. 20, 1928. F. & F. Feiger, Inc., Newark, N. J., a corporation of New Jersey. Renewed Nov. 20, 1948. JEWELRY FOR PERSONAL WEAR COMPOSED WHOLLY OF PRECIOUS METAL, NOT INCLUDING WATCHES. Class 28.

249,735. AMERICAN BEAUTY. Registered Nov. 20, 1928. C. R. Whiting Co., Inc., Newark, N. J. Renewed Nov. 20, 1948, to C. R. Whiting Co. Inc., Hackensack, N. J., a corporation of New Jersey. PLAIN, COATED, OR DECORATED PAPER USED FOR COVERING, WRAPPING, OR LINING CANDY, PERFUMERY BOXES AND CONTAINERS OR CONTAINERS FOR SIMILAR PURPOSES. Class 37.

249,772. PEE-WEE. Registered Nov. 20, 1928. Oconomowoc Canning Company, Oconomowoc, Wis., a corporation of Wisconsin. Renewed Nov. 20, 1948. CANNED VEGETABLES. Class 46.

249,830. MYRAPHEN. Registered Nov. 20, 1928. Marsweil, Incorporated, Wantagh, N. Y. Renewed Nov. 20, 1948, to Plexo Preparations, Inc., New York, N. Y., a corporation of New York. PREPARATION FOR USE IN THE TREATMENT OF HEADACHE, BACKACHE, AND TOOTHACHE. Class 6.

249,984. "PENN AERO" AND DESIGN. Registered Nov. 27, 1928. Mid-West Oil Company, Kansas City, Kans., a firm. Renewed Nov. 27, 1948. LUBRICATING OILS. Class 15.

250,033. AUNT LUCY. Registered Nov. 27, 1928. S. Walter Stauffer, doing business as Southern Farms Company, Walkersville, Md. Renewed Nov. 27, 1948. PORK PRODUCTS—NAMELY, SAUSAGE. Class 46.

250,091. "FIDELITY" REPRESENTATION OF DOG'S HEAD, AND BACKGROUND DESIGN. Registered Nov. 27, 1928. Doud Milling Company, Manning, Iowa. Renewed Nov. 27, 1948, to Doud Milling Company, Denison, Iowa, a corporation of Iowa. WHEAT FLOUR, BREAKFAST CEREAL, PANCAKE FLOUR. Class 46.

250,287. MOOR. Registered Dec. 4, 1928. Mooresville Cotton Mills. Renewed Dec. 4, 1948, to Mooresville Mills, Mooresville, N. C., a corporation of North Carolina. TURKISH TOWELS. Class 42.

250,460. NIGHTINGALE. Registered Dec. 11, 1928. Seiberling Latex Products Company, Akron and Barberton, Ohio. Renewed Dec. 11, 1948, to Seiberling Latex Products Company, Barberton, Ohio, a corporation of Ohio. DRUGGISTS' RUBBER SUNDRIES—NAMELY, HOT-WATER BOTTLES, FOUNTAIN SYRINGES, DOUCHE SYRINGES, BREAST PUMPS, ETC. Class 44.

250,461. PURITY. Registered Dec. 11, 1928. Seiberling Latex Products Company, Akron and Barberton, Ohio. Renewed Dec. 11, 1948, to Seiberling Latex Products Company, Barberton, Ohio, a corporation of Ohio. DRUGGISTS' RUBBER SUNDRIES—NAMELY, HOT-WATER BOTTLES, FOUNTAIN SYRINGE, DOUCHE SYRINGE, BREAST PUMPS, ETC. Class 44.

250,462. ARISTOCRAT. Registered Dec. 11, 1928. Seiberling Latex Products Company, Akron and Barberton, Ohio. Renewed Dec. 11, 1948, to Seiberling Latex Products Company, Barberton, Ohio, a corporation of Ohio. DRUGGISTS' RUBBER SUNDRIES—NAMELY, HOT-WATER BOTTLES, FOUNTAIN SYRINGE, DOUCHE SYRINGE, BREAST PUMPS, AND INVALID CUSHIONS. Class 44.

250,470. FOUR HUNDRED. Registered Dec. 11, 1928. Seiberling Latex Products Company, Akron and Barberton, Ohio. Renewed Dec. 11, 1948, to Seiberling Latex Products Company, Barberton, Ohio, a corporation of Ohio. DRUGGISTS' RUBBER SUNDRIES—NAMELY, HOT-WATER BOTTLES, FOUNTAIN SYRINGE, BREAST PUMP, ETC. Class 44.

250,471. DUCHESS. Registered Dec. 11, 1928. Seiberling Latex Products Company, Akron and Barberton, Ohio. Renewed Dec. 11, 1948, to Seiberling Latex Products Company, Barberton, Ohio, a corporation of Ohio. DRUGGISTS' RUBBER SUNDRIES—NAMELY, HOT-WATER BOTTLES, FOUNTAIN SYRINGE, DOUCHE SYRINGE, BREAST PUMPS, ETC. Class 44.

250,796. IRIS. Registered Dec. 18, 1928. Haas-Baruch & Co., Los Angeles, Calif., a corporation of California. Renewed Dec. 18, 1948. CANNED VEGETABLES, CANNED FRUITS, CANNED BERRIES, CANNED FISH AND OTHER NAMED GOODS. Class 46.

251,317. "DIANA" AND DRAWING. Registered Jan. 1, 1929. Consolidated Millinery Company, Chicago, Ill., a corporation of Illinois. Renewed Jan. 1, 1949. LADIES' AND MISSES' HATS, EXCLUDING FUR CAPS AND HATS. Class 39.

251,648. "TAYLORMADE" ETC. AND REPRESENTATION OF BABY'S FACE. Registered Jan. 8, 1929. The Taylor-Bramley Company, Chicopee Falls, Mass., a corporation of Massachusetts. Renewed Jan. 8, 1949. INFANTS' AND CHILDREN'S CLOTHING—NAMELY, SHIRTS, KNICKERS, AND BELLYBANDS. Class 39.

251,824. CONCENCO. Registered Jan. 15, 1929. The Deister Concentrator Company, Fort Wayne, Ind., a corporation of Indiana. Renewed Jan. 15, 1949. VIBRATING SCREENS AND CONCENTRATING TABLES USED FOR SEPARATING AND SIZING VARIOUS MATERIALS, SUCH AS SAND, GRAVEL, CRUSHED STONE, ETC. Class 23.

251,838. COUNTRY TAVERN Registered Jan. 15, 1929. M. K. Goetz Brewing Company, St. Joseph, Mo., a corporation of Missouri. Renewed Jan. 15, 1949. NON-ALCOHOLIC, MALT CEREAL BEVERAGES. Class 48.

252,120. QUARTRBOARD. Registered Jan. 22, 1929. Masonite Corporation, Laurel, Miss. Renewed Jan. 22, 1949, to Masonite Corporation, Chicago, Ill., and Laurel, Miss., a corporation of Delaware. FIBRE BOARD, THERMAL INSULATING BOARD, COMPOSITE BOARD, CONSTRUCTION BOARD, HARD BOARD, AND SYNTHETIC LUMBER OR ARTIFICIAL LUMBER. Class 12.

252,551. PENN-WYN. Registered Feb. 12, 1929. Industrial Oil Corporation, Warren and Stoneham, Pa. Renewed Feb. 12, 1949, to Industrial Oil Corporation, Warren, Pa., a corporation of Pennsylvania. MOTOR OILS. Class 15.

252,556. REPRESENTATION OF A HAND. Registered Feb. 12, 1929. I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Renewed Feb. 12, 1949, to General Dyestuff Corporation, New York, N. Y., a corporation of New York. CHEMICALS FOR PROTECTION AGAINST MOTHS IN ALL KINDS OF TEXTILES. Class 6.

252,730. ROUBECHEZ. Registered Feb. 12, 1929. Harry Flamhaft, doing business as Roubechez Import Co. Renewed Feb. 12, 1949, to Arnold F. Anderson, New York, N. Y. NATURAL AND SYNTHETIC OILS SUITABLE FOR PERFUMERY PURPOSES. Class 6.

252,945. KAHNCREST. Registered Feb. 19, 1929. Kahn Tailoring Co., Indianapolis, Ind., a corporation of Indiana. Renewed Feb. 19, 1949. MEN'S OUTER WEARING APPAREL—NAMELY, COATS, VESTS, TROUSERS, SUITS, OVERCOATS, AND TOPCOATS. Class 39.

252,967. PERMA SHYNE. Registered Feb. 19, 1929. American Disinfecting Company. Renewed Feb. 19, 1949, to Adco, Inc., Sedalia, Mo., a corporation of Missouri. LIQUID WAX PREPARATION FOR USE IN POLISHING FLOORS, FURNITURE, WOODWORK, AND SMOOTH-SURFACE FLOOR COVERINGS. Class 16.

253,013. "BROOKHURST" AND HEAVY UNDERLINE. Registered Feb. 19, 1929. Elder Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed Feb. 19, 1949. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS AND BOYS' BLOUSES. Class 39.

253,014. "DOMINANT" AND HEAVY UNDERLINE. Registered Feb. 19, 1929. Elder Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed Feb. 19, 1949. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS AND BOYS' BLOUSES. Class 39.

253,015. GLENCLIFFE. Registered Feb. 19, 1929. Elder Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed Feb. 19, 1949. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS AND BOYS' BLOUSES. Class 39.

253,063. "HELPS". Registered Feb. 19, 1929. National Licorice Company, Brooklyn, N. Y., a corporation of New York. Renewed Feb. 19, 1949. LICORICE CANDY. Class 46.

253,066. WHIRLWIND. Registered Feb. 19, 1929. J. L. Stifel & Sons. Renewed Feb. 19, 1949, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia. COTTON PIECE GOODS. Class 42.

253,425. "STAND UP!" AND REPRESENTATION OF FILE OF SOLDIERS. Registered Feb. 26, 1929. New York Lubricating Oil Company, New York, N. Y., a corporation of New York. Renewed Feb. 26, 1949. LUBRICATING GREASES AND LUBRICATING OILS FOR MACHINERY, ENGINES, MOTORS, AND DYNAMOS. Class 15.

253,520. COLONIAL. Registered Feb. 26, 1929. Colonial Molasses Co. Inc., Brooklyn, N. Y. Renewed Feb. 26, 1949, to Colonial Molasses Co., Inc., Jersey City, N. J., a corporation of New York. MOLASSES AND HONEY. Class 46.

253,529. SUMMEREST. Registered Feb. 26, 1929. Ames Harris Neville Co., San Francisco, Calif., a corporation of California. Renewed Feb. 26, 1949. SWINGING COUCH HAMMOCKS, DAVENPORTS, MATTRESSES, MATTRESS PADS, AND FOLDING CAMP OR OUTDOOR FURNITURE. Classes 32 and 42.

253,557. MONOGRAM "SBL" AND DESIGN. Registered Feb. 26, 1929. S. B. Leonardi & Co., Inc., New Rochelle, N. Y., a corporation of New York. Renewed Feb. 26, 1949. PREPARATIONS FOR THE TREATMENT OF CHRONIC RHEUMATISM, GOUT, PIMPLES, AND OTHER NAMED AILMENTS. Class 6.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

429,906. MIRACLE AND DESIGN. Registered May 20, 1947. Miracle Adhesives Corporation, Newark, N. J. ADHESIVES FOR HOUSEHOLD OR INDUSTRIAL USES MADE OF RESINOUS MATERIALS, ETC. Class 5. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in lines 1 and 2 of the statement; and in the printed signature to the statement, "Miracle Adhesives Corporation" should be *Miracle Adhesives Corp.*

439,963. JOY. Registered Aug. 3, 1948. The Procter & Gamble Company, Cincinnati, Ohio. BAR SOAP—NAMELY, FOR TOILET AND BATH. Class 4. Corrected as follows: Notwithstand the adverse decision in opposition 26,245, application Serial No. 501,006 was inadvertently issued as Registration No. 439,963 on Aug. 3, 1948. The cancellation thereof has been recommended by the Examiner of Trade-Marks. It is hereby cancelled as inadvertently issued.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 89,449. Registered Dec. 17, 1912. WALTER DURBROW, New York, N. Y. Republished by Atkins & Durbrow, Inc., New York, N. Y., a corporation of New York.

O K
P L

FOR POULTRY LITTER.
Claims use since Jan. 1, 1912.

Reg. No. 151,223. Registered Jan. 24, 1922. C. L. RYLEY COAL COMPANY, Lexington, Ky. Republished by Hatfield Campbell Creek Coal Company, Cincinnati, Ohio, a corporation of Ohio.



FOR COAL.
Claims use since Jan. 5, 1921.

Reg. No. 153,291. Registered Mar. 14, 1922. THE RELIANCE COAL AND COKE CO., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

BLUE JACKET

FOR COAL.
Claims use since January 1915.

Reg. No. 179,668. Registered Feb. 12, 1924. DIAMOND STATE FIBRE COMPANY, Elsmere, Del., and Bridgeport, Pa. Republished by Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware.



The drawing is lined for black. The representation of the goods is disclaimed apart from the mark as shown.
FOR LAMINATED PHENOLIC CONDENSATION PRODUCT MADE BY IMPREGNATING MATERIALS, SUCH AS CERTAIN GRADES OF PAPER AND FABRIC WITH A COMBINATION OF PHENOL AND FORMALDEHYDE OR SIMILAR SYNTHETIC GUMS HARDENED BY HEATING.
Claims use since Feb. 10, 1923.

Reg. No. 217,629. Registered Sept. 7, 1926. T. W. WOOD & SONS, Richmond, Va., a firm. Republished by registrant.

WOOD'S
Dixie Lawn Grass

The words "Lawn Grass" are disclaimed apart from the mark as shown.
FOR GRASS SEED.
Claims use since Aug. 1, 1924.

Reg. No. 222,440. Registered Jan. 4, 1927. THE CAMPBELL'S CREEK COAL CO., Cincinnati, Ohio, and Dana, W. Va., a corporation of Ohio. Republished by registrant.

DANA CAMPBELL'S CREEK COAL

FOR COAL.
Claims use since on or about Jan. 1, 1888.

Reg. No. 294,771. Registered June 7, 1932. ATKINS & DURBROW, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SORBEX

FOR MOSS PEAT USED FOR HORTICULTURAL PURPOSES.
Claims use since Jan. 18, 1932.

Reg. No. 298,919. Registered Nov. 15, 1932. T. W. WOOD & SONS, Richmond, Va., a firm. Republished by registrant.

WOOD'S SEEDS

The drawing is lined for the color red.
FOR FIELD, GARDEN, AND LAWN SEED.
Claims use since January 1907.

Reg. No. 298,946. Registered Nov. 15, 1932. T. W. WOOD & SONS, Richmond, Va., a firm. Republished by registrant.

VIRGINIA DIXIE BRAND MAIZE

The words "Brand," "Maize," and "Registered U. S. A." are disclaimed apart from the mark as shown.
FOR SEED CORN.
Claims use since March 1922.

Reg. No. 327,934. Registered Sept. 10, 1935. T. W. WOOD & SONS, Richmond, Va., a firm. Republished by registrant.

WOOD'S
WINTER-GREEN
LAWN GRASS

The words "Winter-Green Lawn Grass" are disclaimed apart from the mark as shown.
FOR GRASS SEED.
Claims use since December 1932.

CLASS 2

RECEPTACLES

Reg. No. 304,495. Registered July 11, 1933. SHELLMAR PRODUCTS COMPANY, Chicago, Ill. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

SHELLMAR



FOR WRAPPERS, BAGS, AND CARTONS PRODUCED WHOLLY OR IN PART FROM PAPER OR CELLULOSE SHEETING.
Claims use since Aug. 5, 1931.

Reg. No. 331,679. Registered Jan. 14, 1936. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

SHELL-PAX

FOR MERCHANDISE CONTAINERS MADE OF PASTEBOARD WITH TRANSPARENT CELLULOSE FACINGS.
Claims use since May 5, 1932.

Reg. No. 340,424. Registered Nov. 10, 1936. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

Colodense

FOR WRAPPERS, BAGS, AND CONTAINERS PRODUCED WHOLLY OR IN PART FROM PAPER OR CELLULOSE SHEETING.
Claims use since April 1931.

Reg. No. 396,290. Registered July 7, 1942. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

SHELL-SEAL

The word "Seal" is disclaimed apart from the mark as shown.
FOR PAPER BAGS MADE FROM TRANSPARENT MATERIAL.
Claims use since June 6, 1941.

Reg. No. 402,583. Registered Aug. 3, 1943. GEORGE KOCH SONS, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

Floratainer

FOR FLOWER BASKETS OF WOODS AND FIBROUS MATERIAL.
Claims use since August 1942.

Reg. No. 410,053. Registered Nov. 7, 1944. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

Shell-Mark

FOR MERCHANDISE BAGS MADE OF TRANSPARENT MATERIALS WHICH ARE COLOR PRINTED.
Claims use since Dec. 6, 1938.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 382,962. Registered Nov. 19, 1940. PYRAMID LEATHER GOODS COMPANY, New York, N. Y., a firm. Republished by registrant.

GOING TO THE FAIR

FOR CHILDREN'S AND MISSES' HANDBAGS.
Claims use since Oct. 16, 1938.

Reg. No. 411,459. Registered Jan. 16, 1945. PYRAMID LEATHER GOODS COMPANY, New York, N. Y., a firm. Republished by registrant.

TEEN TOWN

FOR LADIES', MISSES', AND CHILDREN'S HANDBAGS OF LEATHER, FABRIC, LEATHERETTE, PLASTIC MATERIAL, AND COMBINATIONS THEREOF.
Claims use since July 26, 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 72,746. Registered Feb. 16, 1909. EBERHARD FABER, New York, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

POLITA

FOR STEEL POLISHER OF ABRASIVE RUBBER.
Claims use since June 1902.

Reg. No. 218,757. Registered Oct. 5, 1926. POLE MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.

SKIP FLEA

FOR DOG SOAP.
Claims use since June 1919.

Reg. No. 223,870. Registered Feb. 15, 1927. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.

Sergeant's

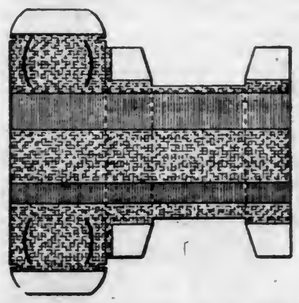
FOR SOAP.
Claims use since at least as early as 1900.

Reg. No. 326,378. Registered July 23, 1935. HENDERSON BROTHERS CORPORATION, Johnstown, Pa. Republished by Hendersons, Inc., Johnstown, Pa., a corporation of Pennsylvania.

Shoe Groom
FOR WHITE SHOES

The words "For White Shoes" are disclaimed apart from the mark as shown.
FOR SHOE DRESSING AND POLISH.
Claims use since Feb. 1, 1935.

Reg. No. 331,350. Registered Jan. 7, 1936. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.



The representation of the carton is disclaimed apart from the mark as shown. The drawing is lined for red and yellow.
FOR SOAP.
Claims use since April 1935.

Reg. No. 331,353. Registered Jan. 7, 1936. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.



FOR SOAP.
Claims use since April 1935.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 93,012. Registered Aug. 12, 1913. JOHN LOUIS NEEDHAM, Nacogdoches, Tex. Republished by Mahdeen Company, Nacogdoches, Tex., a firm.

MAHDEEN

FOR LIQUID REMEDY FOR DANDRUFF.
Claims use since Oct. 16, 1911.

Reg. No. 114,543. Registered Dec. 19, 1916. THE PAUL PLESSNER CO., Detroit, Mich. Republished by The Paul Plessner Company, Detroit, Mich., a corporation of Delaware.



The numeral "100" and the word "Tablets" are disclaimed apart from the mark as shown. The drawing is lined for the colors red and blue.
FOR HEPATIC INSUFFICIENCY, INTESTINAL PUTREFACTION, HABITUAL CONSTIPATION, AND GALL-STONES.
Claims use since February 1911.

Reg. No. 119,157. Registered Oct. 23, 1917. WORLD'S DISPENSARY MEDICAL ASSOCIATION, Buffalo, N. Y. Republished by Pierce's Proprietaries, Inc., Buffalo, N. Y., a corporation of New York.

DR. PIERCE'S

FOR PROPRIETARY MEDICINES AND REMEDIES FOR THE TREATMENT OF THE FOLLOWING AILMENTS AND DISEASES: FEMALE WEAKNESS, AND ALL THE OTHER ITEMS NAMED IN THE ORIGINAL REGISTRATION.
Claims use since Sept. 6, 1871.

Reg. No. 127,832. Registered Dec. 9, 1919. DAISY FRANKLIN, Jacksonville, Fla. Republished by registrant.

"DAI-SY-O-LA"

FOR HAIR-GROWING PREPARATIONS.
Claims use since Sept. 2, 1918.

Reg. No. 216,967. Registered Aug. 24, 1926. GEORGE C. WILSON, doing business as The Wilson Chemical Company, Tyrone, Pa. Republished by The Wilson Chemical Company, Inc., Tyrone, Pa., a corporation of Delaware.

PERSIAN GARDEN

FOR TOILET PREPARATIONS—NAMELY, COLD CREAM, VANISHING CREAM, FACE POWDER, ROSE CREAM LOTION, OLIVE SHAMPOO, HONEY AND ALMOND CREAM, QUININE HAIR TONIC, LILAC TOILET WATER AND LEMON LOTION.
Claims use since June 1, 1905.

Reg. No. 217,083. Registered Aug. 24, 1926. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.

SKIP-FLEA

FOR FLEA OR INSECT POWDER.
Claims use since April 1922.

Reg. No. 223,439. Registered Feb. 1, 1927. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.

Sergeant's

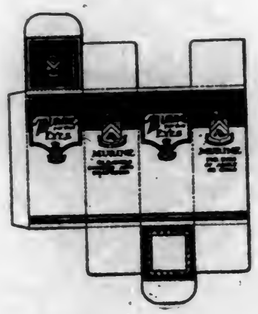
FOR DISINFECTANT FOR GENERAL USE, FLEA POWDER, MANGE MEDICINE, COUGH MEDICINE, CANKER WASH, DISTEMPER MEDICINE, EYEWASH, PREPARATION FOR MOUTHS OF ANIMALS, LINIMENT, MEDICINAL TONICS, PREPARATION FOR WORMS, DIARRHOEA MEDICINE, TAPEWORM MEDICINE, CONDITION PILLS, ARSENIC AND IRON PILLS, PEPSIN TABLETS, CAPSULES FOR WORMS, CONSTIPATION CAPSULES, RHEUMATIC PILLS.
Claims use since at least as early as 1920.

Reg. No. 226,819. Registered Apr. 19, 1927. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.

SURE SHOT

FOR CAPSULES AND A LIQUID PREPARATION FOR DOGS.
Claims use since as early as 1900.

Reg. No. 240,437. Registered Mar. 27, 1928. THE MURINE COMPANY, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.



No claim is made to the words "For Your Eyes," "Cleanses, Soothes and Beautifies," and "For Eyes of Adults or Child"; nor to the outline of the carton apart from the mark as shown.
FOR EYE REMEDIES.
Claims use since February 1924.

Reg. No. 245,404. Registered Aug. 14, 1928. ARNOLD LOUIS VAN AMERINGEN, New York, N. Y. Republished by van Ameringen-Haebler, Inc., New York, N. Y., a corporation of New York.

FIXAVON

FOR PERFUMES, ESSENCES OF PERFUMES, ESSENCES FOR PERFUMERY MATERIALS, AROMATIC MATERIALS, SYNTHETIC PERFUME MATERIALS, ODORIFEROUS MATERIALS, AND ETHEREAL OILS.
Claims use since Nov. 7, 1927.

Reg. No. 251,069. Registered Dec. 25, 1928. ALEXANDER NAZAROFF, doing business as Colit Laboratories, New York, N. Y. Republished by registrant.



FOR LINIMENTS FOR RELIEVING THE PAINS OF MUSCULAR RHEUMATISM, LUMBAGO, GOUT, SCIATICA, NEURITIS, STIFF NECK, SORE THROAT CAUSED BY CONGESTION DUE TO EXPOSURE, FATIGUED SORE MUSCLES, TIRED ACHING FEET, STIFF JOINTS, STRAINED LIGAMENTS, SPRAINS AND BRUISES.
Claims use since July 10, 1928.

Reg. No. 300,569. Registered Jan. 24, 1933. THE KENDALL COMPANY, Chicago, Ill., and Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address Boston, Mass.

BAUER & BLACK

The mark has a dark blue bar across one end of the container or label.
FOR AROMATIC SPIRITS OF AMMONIA, CASTOR OIL, CARBOLATED PETROLATUM, FIRST AID FOR BURNS, AND ALL THE OTHER NAMED ITEMS IN THE REGISTRATION.
Claims use since Jan. 1, 1930.

Reg. No. 330,255. Registered Nov. 26, 1935. OAKITE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OAKITE

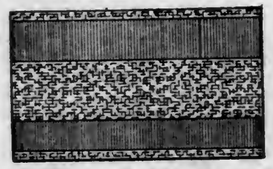
FOR CHEMICAL COMPOUNDS HAVING WATER-SOFTENING QUALITIES, AND ALL OTHER ITEMS NAMED IN REGISTRATION.
Claims use since Feb. 2, 1909.

Reg. No. 331,354. Registered Jan. 7, 1936. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.



FOR FLEA POWDER.
Claims use since April 1935.

Reg. No. 331,357. Registered Jan. 7, 1936. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.



The drawing is lined for the colors red and yellow.
FOR FLEA POWDER.
Claims use since April 1935.

Reg. No. 331,533. Registered Jan. 14, 1936. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.



FOR FLEA POWDER.
Claims use since April 1935.

Reg. No. 343,838. Registered Mar. 9, 1937. JACQUELINE COCHRAN, doing business as Jacqueline Cochran Beauty Salon, and J. C. Laboratories, Chicago, Ill., and Roselle, N. J. Republished by Jacqueline Cochran, Indio, Calif., assignor to Jacqueline Cochran, Inc., Newark, N. J., a corporation of Delaware.

Jacqueline Cochran

WINGS TO BEAUTY

FOR COSMETICS AND BEAUTY PREPARATIONS—NAMELY, HERBAL LOTION, SKIN TONIC, FOUNDATION CREAM, HERBAL OIL, LIQUEFYING CLEANSING CREAM, TISSUE CREAM, PORE TEXTURE, CLEANSING CREAM, HAND LOTION, EYE CREAM, SUNBURN PREVENTATIVE, LIPSTICK, EYE SHADOW, FACE POWDER, ROUGE, ROUGE COMPACTS, AND MASCARA.

Claims use since May 11, 1936.

Reg. No. 362,260. Registered Nov. 15, 1938. POLK MILLER PRODUCTS CORP., Richmond, Va., a corporation of Virginia. Republished by registrant.



The word "Flea" is disclaimed apart from the mark as shown.

FOR FLEA POWDER.

Claims use since May 3, 1938.

Reg. No. 362,261. Registered Nov. 15, 1938. POLK MILLER PRODUCTS CORP., Richmond, Va., a corporation of Virginia. Republished by registrant.



FOR FLEA POWDER.

Claims use since May 3, 1938.

Reg. No. 369,186. Registered July 18, 1939. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.

VITAPETS

FOR THERAPEUTIC FOOD SUPPLEMENT FOR DOGS.

Claims use since Jan. 3, 1939.

Reg. No. 384,494. Registered Jan. 21, 1941. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed apart from the mark as shown.

FOR SPRAY MATERIALS COMPRISING POWDERED DERRIS OR CUBE ROOT, SULPHUR, COPPER SULPHATE, NICOTINE SULPHATE, SPRAY LIME; ARSENATES—NAMELY, CALCIUM AND LEAD ARSENATES; AND SPRAYING DUSTS—NAMELY, LIME CALCIUM ARSENATE, LIME-MONOHYDRATED COPPER SULPHATE, LIME-MONOHYDRATED COPPER SULPHATE-CALCIUM ARSENATE, RED COPPER OXIDE, ROTENONE TALC, ROTENONE SULPHUR, SULPHUR LEAD ARSENATE-LIME, SULPHUR LIME MONOHYDRATE COPPER SULPHATE, CALCIUM ARSENATE TALC, CUPROCIDE ROTENONE, RED COPPED OXIDE-SULPHUR, TRI-BASIC COPPER SULPHATE-TALC, TALC.

Claims use since Sept. 1, 1939.

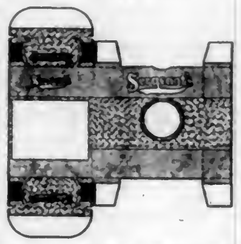
Reg. No. 386,217. Registered Apr. 1, 1941. BEAUTY COUNSELORS, INC., Detroit, Mich., a corporation of Michigan. Republished by registrant.

beauty counselor

FOR FACE CREAMS, FACE POWDERS, HAND, SKIN AND FACE LOTIONS, ROUGES, LIPSTICKS, EYE SHADOW, MASCARA, EYEBROW PENCILS, TALCUM, BATH OIL, AND BATH SALTS.

Claims use since about Mar. 23, 1931.

Reg. No. 388,109. Registered June 10, 1941. POLK MILLER PRODUCTS CORP., Richmond, Va., a corporation of Virginia. Republished by registrant.



The drawing is lined for the colors red and yellow. The representation of an unfolded carton is disclaimed apart from the mark as shown.

FOR MEDICINES FOR DOGS—NAMELY, NERVE SEDATIVES, LAXATIVE TABLETS, PEPSIN AND AROMATIC TABLETS, CAPSULES, TAPEWORM MEDICINE, INTESTINAL ASTRINGENT, PUPPY CAPSULES, ARSENIC AND IRON PILLS; AND FLEA POWDER.

Claims use since Jan. 6, 1941.

Reg. No. 402,138. Registered June 29, 1943. EVELYN WESTALL, doing business as Evelyn Westall Co., New York, N. Y. Republished by registrant.

WHITE SHOULDERS

FOR PERFUME, TOILET WATER, AND COLOGNE.

Claims use since Feb. 18, 1943.

Reg. No. 408,549. Registered Aug. 15, 1944. POLK MILLER PRODUCTS CORP., Richmond, Va., a corporation of Virginia. Republished by registrant.



FOR DISINFECTANT.

Claims use since Feb. 21, 1944.

Reg. No. 421,954. Registered June 25, 1946. BEAU BRUMMELL TIES, INC., Toiletries Div., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

Beau Brummell

FOR PERSONAL USE DEODORANTS, AFTER SHAVE LOTIONS, HAIR DRESSING, COLOGNES, SHAMPOOS, LIQUID DENTIFRICES, SUN TAN LOTIONS, AND TALCUM POWDERS.

Claims use since July 16, 1945.

Reg. No. 429,257. Registered Apr. 29, 1947. RIVAL FOODS, INC., Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

Rival

FOR AMMONIA, BLEACHING WATER AND GLOSS STARCH.

Claims use since 1912.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 313,889. Registered June 12, 1934. J. HALPERN COMPANY, Pittsburgh, Pa. Republished by J. Halpern Company (1947), Pittsburgh, Pa., a partnership.

DOUGHBOY

FOR CAPS FOR TOY PISTOLS.

Claims use since Jan. 10, 1931.

Reg. No. 381,487. Registered Sept. 24, 1940. THE BOLSER CORPORATION, Cedar Falls, Iowa, a corporation of Iowa. Republished by registrant.

Short Stop

FOR FUSEES.

Claims use since Mar. 6, 1940.

Reg. No. 419,636. Registered Feb. 26, 1946. RIVAL FOODS, INC., Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

RIVAL

FOR MATCHES.

Claims use since Feb. 27, 1945.

CLASS 10

FERTILIZERS

Reg. No. 340,427. Registered Nov. 10, 1936. FORT SMITH COTTON OIL CO., Fort Smith, Ark., a partnership. Republished by registrant.

"FEED THE SOIL AND IT WILL FEED YOU"



The words "Fertilizer," "The Cottonseed Meal Base Fertilizer," and "Fort Smith, Ark." are disclaimed apart from the mark as shown. The representation of a bag is disclaimed. The drawing is lined for the color red.

FOR PREPARED FERTILIZER, CONTAINING A COTTON SEED MEAL BASE.

Claims use since Jan. 1, 1936.

Reg. No. 390,192. Registered Sept. 9, 1941. FIDELITY CHEMICAL CORPORATION, Houston, Tex., a corporation of Texas. Republished by registrant.

ferti·lome

The word "Lome" is disclaimed apart from the mark as shown. The drawing is lined for the colors red and green.
FOR COMPLETE, MIXED FERTILIZER.
Claims use since 1938.

Reg. No. 417,642. Registered Nov. 6, 1945. ATKINS & DURBROW, INC., New York, N. Y., a corporation of New York. Republished by registrant.

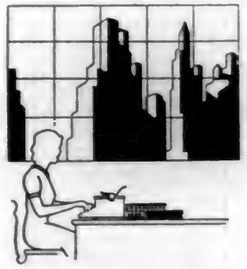
DRICONURE

FOR COMBINATION FERTILIZER AND SOIL CONDITIONER.
Claims use since Apr. 1, 1930.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 410,438. Registered Nov. 28, 1944. CODO MANUFACTURING CORPORATION, Coraopolis, Pa., and Chicago, Ill., a corporation of Delaware. Republished by registrant.



FOR TYPEWRITER RIBBONS AND CARBON PAPER.
Claims use since about April 1, 1923.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 290,424. Registered Jan. 5, 1932. HARRIS MANUFACTURING COMPANY, Johnson City, Tenn., a corporation of Tennessee. Republished by registrant.

HARRIS

FOR OAK AND MAPLE FLOORING AND INTERIOR WOOD TRIM.
Claims use since 1916.

Reg. No. 315,338. Registered July 24, 1934. THE BIRD-ARCHER COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

BACITE

FOR CEMENT PRODUCT FOR LINING THE INTERIOR OF FIRE BOXES AND FURNACES AND FOR COVERING THE EXTERIOR OF BOILERS, FURNACES, ETC.
Claims use since Feb. 20, 1934.

Reg. No. 362,372. Registered Nov. 15, 1938. ANDERSEN CORPORATION, Bayport, Minn., a corporation of Minnesota. Republished by registrant.

Silver Seal

FOR METAL WEATHER STRIPS.
Claims use since Apr. 1, 1938.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 226,587. Registered Apr. 12, 1927. BOSTON WIRE STITCHER COMPANY, East Greenwich, R. I., a corporation of Maine. Republished by registrant, present address Stonington, Conn.

BOSTITCH

FOR STAPLES FOR TACKING, STITCHING AND BINDING.
Claims use since July 9, 1923.

Reg. No. 387,699. Registered May 27, 1941. STATIONERS' GUILD OF AMERICA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Guild

FOR ADDING MACHINE PAPER, ADDRESS BOOKS, ARCH FILES, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Feb. 17, 1922.

Reg. No. 394,809. Registered Apr. 28, 1942. FISHER GOVERNOR COMPANY, Marshalltown, Iowa, a corporation of Iowa. Republished by registrant.

BIG JOE

FOR SPRING CONTROLLED VALVES—NAMELY, PRESSURE REGULATORS, PRESSURE REDUCING VALVES AND PRESSURE RELIEF VALVES.
Claims use since Sept. 1, 1941.

Reg. No. 398,790. Registered Nov. 24, 1942. FISHER GOVERNOR COMPANY, Marshalltown, Iowa, a corporation of Iowa. Republished by registrant.

LEVEL-TROL

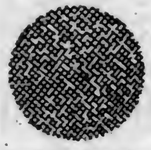
FOR LIQUID LEVEL RESPONSIVE PRESSURE ACTUATED PILOT MECHANISM FOR VALVES.
Claims use since September 1938.

Reg. No. 413,423. Registered Apr. 24, 1945. SPOTNAILS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SPOTNAILS

FOR FASTENING ELEMENTS IN THE NATURE OF NAILS, AND WHICH MAY BE PROVIDED IN "STICK" FORM, THAT IS, ADHERED TOGETHER IN MULTIPLES FOR CONVENIENCE IN HANDLING AND LOADING INTO A DRIVING MACHINE.
Claims use since on or about Aug. 29, 1941.

Reg. No. 413,687. Registered May 8, 1945. SPOTNAILS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The drawing is lined for the color orange.
FOR FASTENING ELEMENTS IN THE NATURE OF NAILS, AND WHICH MAY BE PROVIDED IN "STICK" FORM THAT IS, ADHERED TOGETHER IN MULTIPLES FOR CONVENIENCE IN HANDLING AND LOADING INTO A DRIVING MACHINE.
Claims use since on or about Aug. 29, 1941.

Reg. No. 418,084. Registered Dec. 4, 1945. FISHER GOVERNOR COMPANY, Marshalltown, Iowa, a corporation of Iowa. Republished by registrant.

FISHER

FOR CONSTANT PRESSURE PUMP GOVERNORS; EXCESS OR DIFFERENTIAL PUMP GOVERNORS; BOILER GAS FUEL GOVERNORS; PRESSURE REDUCING VALVES; DIAPHRAGM CONTROL VALVES; FLOAT VALVES; PRESSURE RELIEF VALVES; BACK PRESSURE VALVES; ALTITUDE VALVES; PRESSURE PILOT VALVES, LEVER VALVES, ATMOSPHERIC RELIEF VALVES; VACUUM REGULATORS; GAS REGULATORS; TIME TEMPERATURE GAS PRESSURE BOOSTER REGULATORS; PRESSURE BALANCED REGULATORS; PRESSURE REGULATORS; SAFETY SHUT-OFF REGULATORS; DIFFERENTIAL GAS PRESSURE BOOSTER REGULATORS; FLOAT UNITS, INCLUDING A HOLLOW FLOAT, A FLOAT ARM, A SHAFT, USUALLY A STUFFING BOX, AND SOMETIMES OTHER PARTS FOR INSTALLATION IN LIQUID LEVEL CONTROLLERS OR FOR CONTROLLING VALVES, SIGNAL SWITCHES AND OTHER DEVICES BY CHANGE IN LIQUID LEVEL; STEAM TRAPS; GASOLINE AND OIL TRAPS; AIR TRAPS; STEAM AND OIL SEPARATORS; PIPE LINE STRAINERS; CONTINUOUS DRAINERS, LIQUID LEVEL CONTROLLERS; EXHAUST HEADS AND AIR LINE FILTERS AND AIR AND GAS FILTERS FOR OTHER THAN ENGINE FUEL CONTROL AND AIR CONDITIONING; AND LIQUEFIED PETROLEUM GAS REGULATORS FOR CONTROL OF SUPPLY FROM DRUMS AND TANKS TO SERVICE POINTS AND ACCESSORY EQUIPMENT.
Claims use since 1890.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 145,156. Registered July 26, 1921. MORE-JONES BRASS & METAL COMPANY, St. Louis, Mo. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

REGENT

FOR BABBITT METAL.
Claims use since 1896.

Reg. No. 145,158. Registered July 26, 1921. MORE-JONES BRASS & METAL COMPANY, St. Louis, Mo. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

HOO·HOO

FOR BABBITT METAL.
Claims use since 1894.

Reg. No. 145,159. Registered July 26, 1921. MORE-JONES BRASS & METAL COMPANY, St. Louis, Mo. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

REX

FOR BABBITT METAL.
Claims use since 1896.

Reg. No. 145,160. Registered July 26, 1921. MORE-JONES BRASS & METAL COMPANY, St. Louis, Mo. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

TIGER

FOR BEARING METAL.
Claims use since 1893.

Reg. No. 169,851. Registered July 3, 1923. RAMAPO AJAX CORPORATION, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

RACOR

FOR TRACK FROGS, CROSSINGS, GUARD RAILS, GUARD-RAIL CLAMPS, RAIL BRACES, TIE PLATES, AND ANTI-RAIL CREEPERS, AND MISCELLANEOUS CASTINGS AND FORGINGS.
Claims use since about Sept. 28, 1922.

Reg. No. 182,112. Registered Apr. 1, 1924. THE ELLICOTT MACHINE CORPORATION, Baltimore, Md. Republished by Ellicott Machine Corporation, Baltimore, Md., a corporation of Maryland.

DURANIUM

FOR BASE METAL ALLOYS, PARTICULARLY ALLOYED FERROUS METAL USED IN THE MANUFACTURE OF PUMPS AND OTHER INDUSTRIAL MACHINERY.
Claims use since Oct. 9, 1923.

Reg. No. 192,921. Registered Dec. 16, 1924. AMERICAN FORGE COMPANY, Chicago, Ill. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

AM FORGE

FOR UPSET FORGINGS.
Claims use since July 1, 1920.

Reg. No. 244,654. Registered July 24, 1928. VANADIUM CORPORATION OF AMERICA, Bridgeville, Pa., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

VANCORAM

FOR ALLOYS, AND ESPECIALLY ALLOYS CONTAINING VANADIUM, SILICON, CHROMIUM, ALUMINUM, MANGANESE, TUNGSTEN, MOLYBDENUM, TITANIUM, ZIRCONIUM, AND CADMIUM.
Claims use since Jan. 30, 1928.

Reg. No. 404,752. Registered Dec. 21, 1943. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Brake Shoe

FOR CASTINGS AND FORGINGS MADE OF CARBON STEEL, MANGANESE STEEL AND IRON, WELDING RODS, RAILROAD FROGS, CROSSINGS, GAUGE RODS, GUARD RAILS, GUARD RAIL CLAMPS, GUARD RAIL PLATES, AND SWITCH RODS, PLATES AND BRACES.
Claims use since on or about Apr. 22, 1943.

Reg. No. 404,891. Registered Dec. 28, 1943. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

A

FOR UPSET AND DROP FORGINGS.
Claims use since on or about June 14, 1940.

Reg. No. 404,892. Registered Dec. 28, 1943. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

A

FOR UPSET AND DROP FORGINGS.
Claims use since on or about June 28, 1940.

Reg. No. 405,790. Registered Feb. 22, 1944. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

SAMSON

FOR PREFORMED FERROUS REENFORCEMENTS FOR USE AS BACKS IN BRAKE SHOES.
Claims use since on or about Mar. 31, 1933.

Reg. No. 405,791. Registered Feb. 22, 1944. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

DUPLANE

FOR PREFORMED FERROUS REENFORCEMENTS FOR USE AS BACKS IN BRAKE SHOES.
Claims use since on or about Nov. 29, 1929.

Reg. No. 419,140. Registered Feb. 5, 1946. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

NBM

FOR BABBITT METAL; UNFINISHED CORED AND SOLID BARS OF NON-FERROUS METALS; UNFINISHED DRIVING BOX BEARING CASTINGS; UNFINISHED ROD BRASS AND BUSHING CASTINGS; UNFINISHED CROSSHEAD SHOE CASTINGS; UNFINISHED PEDESTAL SHOE AND WEDGE CASTINGS; BRONZE WELDING ROD; STEEL MILL PARTS—NAMELY, UNFINISHED BEARINGS AND CASTINGS; BLAST FURNACE PARTS—NAMELY, UNFINISHED TUYERES, VALVE BODIES, VALVE SEATS, MONKEYS, AND BOSCH PLATES; AND MISCELLANEOUS UNFINISHED BRASS, BRONZE, COPPER AND ALUMINUM MACHINE PARTS AND CASTINGS.
Claims use since on or about October 1943.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 371,420. Registered Sept. 26, 1939. STANDARD INDUSTRIAL PRODUCTS, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

"PERMA-VENEER"

The word "Veneer" is disclaimed apart from the mark as shown.
FOR VARNISH, LACQUER, BRUSHING LACQUER THINNERS, SURFACE FINISHERS IN THE NATURE OF VARNISHES AND USED FOR SMOOTH SURFACES SUCH AS SURFACES OF LINOLEUM FLOORS, TABLE TOPS, AND WOODWORK.
Claims use since November 1938.

Reg. No. 427,124. Registered Jan. 28, 1947. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

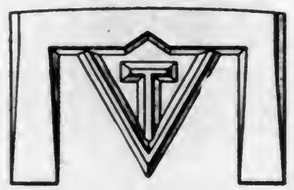
101

FOR LINOLEUM LACQUER.
Claims use since 1925.

CLASS 19

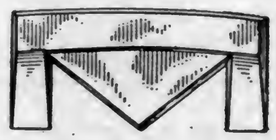
VEHICLES

Reg. No. 204,106. Registered Oct. 6, 1925. THE AMERICAN BRAKE SHOE & FOUNDRY COMPANY, Wilmington, Del., and New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.



FOR BRAKE SHOES.
Claims use since Apr. 17, 1925.

Reg. No. 315,350. Registered July 24, 1934. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, Wilmington, Del., and New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.



FOR BRAKE SHOES.
Claims use since on or about Feb. 7, 1934.

Reg. No. 343,135. Registered Feb. 9, 1937. SOUTHERN WHEEL COMPANY, New York, N. Y., assignor to The American Brake Shoe and Foundry Company. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

SOUTHERN

FOR CAR WHEELS.
Claims use since on or about Feb. 1, 1913.

Reg. No. 402,586. Registered Aug. 3, 1943. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y., now by change of name American Brake Shoe Company. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

SAMSON

FOR REENFORCING BACKS FOR BRAKE SHOES.
Claims use since on or about Mar. 31, 1933.

Reg. No. 402,587. Registered Aug. 3, 1943. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y., now by change of name American Brake Shoe Company. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

DUPLANE

FOR REENFORCING BACKS FOR BRAKE SHOES.
Claims use since on or about Nov. 29, 1929.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 93,267. Registered Sept. 2, 1913. DIAMOND STATE FIBRE COMPANY, Elsmere, Del. Republished by Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware.

DISFICO

FOR GOODS MADE OF VULCANIZED FIBER FOR ELECTRICAL PURPOSES—VIZ: WIRE CLEATS, SWITCH-BARS, CANOPY-INSULATORS, MAGNET-HEADS, HANDLES, CORD-ADJUSTERS, END POSTS FOR ELECTRIC RAILWAY-SIGNALS, ANGLES FOR ELECTRIC RAILWAY-SIGNALS, BUSHINGS FOR ELECTRIC RAILWAY-SIGNALS, PLATES FOR ELECTRIC RAILWAY-SIGNALS, FLASH-LIGHT SHELLS, TIMER-RINGS, FEET FOR ELECTRIC CORKERS, SOCKET-LININGS, AND SWITCH-PLUGS.
Claims use since June 18, 1912.

Reg. No. 148,649. Registered Nov. 22, 1921. FIBROC INSULATION COMPANY, Valparaiso, Ind. Republished by Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware.



The words "Valparaiso, Indiana," are disclaimed apart from the mark as shown.

The drawing is shaded to indicate the colors red and yellow.

FOR INSULATING COMPOUNDS, BEING OIL AND WATER PROOF AND HAVING HEAT-RESISTING QUALITIES, USED IN CONNECTION WITH ELECTRICAL APPARATUS.

Claims use since Jan. 21, 1921.

Reg. No. 219,739. Registered Oct. 26, 1926. WILLIAM KRUG, New York, N. Y. Republished by Krug Electric Company, Inc., New York, N. Y., a corporation of New York.



FOR ELECTRICAL MOTORS, DYNAMOS, AND BATTERIES AND ELECTRIC FANS.

Claims use since Oct. 1, 1924.

Reg. No. 338,779. Registered Sept. 15, 1936. WALGREEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR RADIO RECEIVING SETS AND ANTENNAE.

Claims use since July 28, 1931.

Reg. No. 364,182. Registered Jan. 24, 1939. THE BOLSER CORPORATION, Cedar Falls, Iowa, a corporation of Iowa. Republished by registrant.



The representation of the goods and the words "Genuine Multi-Ray" are disclaimed apart from the mark as shown.

FOR ELECTRIC CLEARANCE LIGHTS, MARKER LIGHTS, DIRECTION LIGHTS, CLUSTER LIGHTS, IDENTIFICATION LIGHTS, AND SIGNAL LIGHTS FOR USE ON VEHICLES.

Claims use since Aug. 14, 1937.

Reg. No. 384,576. Registered Jan. 21, 1941. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

The words "Quality Products" are disclaimed apart from the mark as shown.

FOR SPARK PLUGS.

Claims use since July 1, 1940.

Reg. No. 387,810. Registered June 3, 1941. THE OHIO CRANKSHAFT COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TOCCO

FOR ELECTRICAL INDUCTION HEAT TREATING EQUIPMENT FOR INDUCTIVELY HEATING THE SURFACE ZONES OF ARTICLES TO HARDENING TEMPERATURE AND THEREAFTER COOLING THESE ZONES.

Claims use since on or about May 1, 1936.

Reg. No. 405,194. Registered Jan. 11, 1944. VIRGINIA ELECTRIC MANUFACTURING CORPORATION, Charlottesville, Va., a corporation of Virginia. Republished by registrant.

VEMCO

FOR ELECTRIC FUSES, NON-RENEWABLE.

Claims use since June 30, 1943.

Reg. No. 419,215. Registered Feb. 5, 1946. SUN VACUUM STORES, Los Angeles, Calif., a firm. Republished by registrant.

SUPER

CHIEF

FOR ELECTRIC VACUUM CLEANERS.

Claims use since February 1941.

Reg. No. 422,702. Registered Aug. 6, 1946. READING BATTERIES, INC., Reading and Temple, Pa., a corporation of Pennsylvania. Republished by registrant.

Rĕbat

FOR STORAGE BATTERIES.

Claims use since Oct. 27, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 344,161. Registered Mar. 16, 1937. PRATT CORPORATION, Coldwater, Mich. Republished by Pratt Manufacturing Company, Coldwater, Mich., a limited co-partnership.



FOR COASTING SLEDS.

Claims use since July 1932.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 72,060. Registered Dec. 29, 1908. CATTARAUGUS CUTLERY CO., Little Valley, N. Y., a corporation of New York. Republished by registrant.



FOR POCKET-KNIVES, TABLE KNIVES AND FORKS, SHEARS, SCISSORS, RAZORS, BUTCHER-KNIVES, CARVING-KNIVES, AND PRUNING-KNIVES.

Claims use since Mar. 15, 1908.

Reg. No. 121,320. Registered Apr. 23, 1918. THE NATIONAL SUPPLY COMPANY, Toledo, Ohio. Republished by The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania.

N.S.CO

FOR WELL-DRILLING RIGS AND PARTS THEREOF, WELL-DERRICKS, BULL-WHEELS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.

Claims use since 1900.

Reg. No. 134,200. Registered Aug. 17, 1920. WARDWELL BRAIDING MACHINE COMPANY, Central Falls, R. I., a corporation of Maine. Republished by registrant.

WARDWELLIAN

FOR BRAIDING-MACHINES AND PARTS THEREOF.

Claims use since Mar. 17, 1920.

Reg. No. 137,344. Registered Nov. 23, 1920. THE NATIONAL SUPPLY COMPANY, Toledo, Ohio. Republished by The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania.



FOR WELL-DRILLING RIGS AND PARTS THEREOF, WELL-DERRICKS, BULL-WHEELS AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.

Claims use since 1900.

Reg. No. 173,737. Registered Oct. 2, 1923. RAMAPO AJAX CORPORATION, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

RACOR

FOR TRACK SWITCHES, SWITCH STANDS, SWITCH PLATES, AND PARTS THEREOF.

Claims use since about Sept. 28, 1922.

Reg. No. 179,354. Registered Feb. 5, 1924. MORE-JONES BRASS & METAL CO., St. Louis, Mo. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

ARCTIC

FOR BRONZE BEARINGS.

Claims use since about the year 1900.

Reg. No. 196,680. Registered Mar. 24, 1925. NORTH BRO'S M'F'G COMPANY, Philadelphia, Pa. Republished by North Brothers Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania.

YANKEE

FOR RATCHET-HAND-TOOL HANDLES, HAND DRILLS, RATCHET HAND TOOLS, TOOLS FOR DRILLING BY HAND, SCREW DRIVERS, DRILL CHUCKS, DRILL BITS, BREAST DRILLS, CHAIN DRILLS, BENCH DRILLS, VISES, TAP WRENCHES, SCREW-HOLDER ATTACHMENTS FOR SCREW DRIVERS, PUSH BRACES, BRAKE-LINING CUTTERS, BELTING CUTTERS, RADIO TOOL SETS, AND BIT BRACES.
Claims use since 1898.

Reg. No. 205,305. Registered Nov. 3, 1925. CURVFIT RAZOR COMPANY, INC., New York, N. Y. Republished by Curvfit Sales Corporation, Stamford, Conn., a corporation of Delaware.

CURVFIT

FOR RAZORS.
Claims use since Feb. 1, 1924.

Reg. No. 223,786. Registered Feb. 8, 1927. THE DALTON FOUNDRIES, INC., Warsaw, Ind., a corporation of Indiana. Republished by registrant.

BIG BOY

FOR AUTOMOBILE ACCESSORIES—NAMELY, TIRE PUMPS, FOOT ACCELERATORS, AND WHEEL PULLERS.
Claims use since February 1922.

Reg. No. 267,875. Registered Mar. 4, 1930. NORTH BRO'S M'F'G CO., Philadelphia, Pa. Republished by North Brothers Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania.

"YANKEE"

FOR AUTOMATIC DRILLS, RATCHET SCREW DRIVERS, SPIRAL RATCHET SCREW DRIVERS, RECIPROCATING DRILLS, COUNTERSINKS, TOOL SETS COMPRISING SPIRAL RATCHET SCREW DRIVERS, RATCHET SCREW DRIVERS, CHUCK AND DRILL ATTACHMENTS AND COUNTERSINKS.
Claims use since 1898.

Reg. No. 286,792. Registered Sept. 1, 1931. CLEVELAND CITY FORGE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CF

FOR HAND TOOLS, PARTICULARLY BLACKSMITH'S SLEDGES, WOOD CHOPPER'S WEDGES, MAULS, DRILLING HAMMERS, HAMMER HEADS, TURNBUCKLES, AND CLEVISES.
Claims use since 1915.

Reg. No. 292,433. Registered Mar. 15, 1932. BLACKHAWK MFG. CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

FREE WHEELING

FOR WRENCHES.
Claims use since Oct. 1, 1931.

Reg. No. 300,373. Registered Jan. 17, 1933. RAMAPO AJAX CORPORATION New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

THREE IN ONE

FOR SWITCH STANDS USED FOR OPERATING RAILROAD TRACK SWITCHES AND USUALLY COMPRISING A COMPLETE UNIT OF HOUSING AND MECHANICAL LEVERAGE FOR OPERATING THE SWITCH.
Claims use since June 3, 1930.

Reg. No. 318,776. Registered Nov. 6, 1934. HERCULES MOTORS CORPORATION, Canton, Ohio., a corporation of Ohio. Republished by registrant.

HERCULES

FOR INTERNAL COMBUSTION ENGINES INCLUDING SPARK IGNITION ENGINES AND COMPRESSION IGNITION OR DIESEL ENGINES, POWER UNITS INCLUDING SUCH ENGINES, AND ACCESSORIES, INCLUDING, REDUCTION GEARS AND CLUTCHES FOR SUCH ENGINES AND POWER UNITS.
Claims use since Feb. 10, 1914.

Reg. No. 329,601. Registered Nov. 5, 1935. THE NATIONAL SUPPLY COMPANY OF CALIFORNIA, of Torrance, Calif. Republished by The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania.

IDEAL

FOR GAS AND OIL ENGINES, GOVERNOR CONTROL SAFETY ATTACHMENTS FOR ENGINES, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Apr. 25, 1906.

Reg. No. 340,756. Registered Nov. 17, 1936. TAUCO MANUFACTURING COMPANY, Milwaukee, Wis. Republished by Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania.

Tauco

FOR MOTOR-DRIVEN WOODWORKING AND METALWORKING MACHINES, CONSISTING OF LATHES, SHAPERS, CIRCULAR SAWS, BAND SAWS, SCROLL SAWS, JOINTERS, DRILL PRESSES, SANDERS, AND TOOL GRINDERS, AND PARTS THEREOF.
Claims use since May 22, 1936.

Reg. No. 346,939. Registered June 15, 1937. THE OHIO CRANKSHAFT COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TOCCO

FOR CRANKSHAFTS FOR ENGINES.
Claims use since about August 1934.

Reg. No. 380,100. Registered Aug. 6, 1940. CLUB RAZOR & BLADE MFG. CORP., Newark, N. J., a corporation of New Jersey. Republished by registrant.

The TOP HAT



FOR RAZOR BLADES.
Claims use since on or about Sept. 1, 1936.

Reg. No. 381,416. Registered Sept. 24, 1940. GLOBE HOIST COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

ACTIONIZED

FOR HYDRAULIC LIFTS OF THE TYPE USED IN THE RAISING OF AUTOMOBILES FOR LUBRICATION AND SERVICING PURPOSES.
Claims use since Jan. 21, 1939.

Reg. No. 387,099. Registered May 27, 1941. STATIONERS' GUILD OF AMERICA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Guild

FOR ADDING MACHINE PAPER, ADDRESS BOOKS, ARCH FILES, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Feb. 17, 1922.

Reg. No. 390,952. Registered Oct. 14, 1941. WILLIAM S. PINE, Los Angeles, Calif. Republished by registrant.

JENNY

FOR TOOL USEFUL IN INSTALLING AND REMOVING PUMP LINERS, VALVE SEATS, BUSHINGS, KEYS, ETC.
Claims use since Apr. 1, 1940.

Reg. No. 396,131. Registered June 30, 1942. ELECTROGRAPHIC CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

ORIGITONE

FOR MACHINERY FOR SECURING THIN METALLIC PRINTING PLATES TO RIGID CURVED BACKING MEMBERS.
Claims use since Nov. 19, 1941.

Reg. No. 418,084. Registered Dec. 4, 1945. FISHER GOVERNOR COMPANY, Marshalltown, Iowa, a corporation of Iowa. Republished by registrant.

FISHER

FOR CONSTANT PRESSURE PUMP GOVERNORS; EXCESS OR DIFFERENTIAL PUMP GOVERNORS; BOILER GAS FUEL GOVERNORS; PRESSURE REDUCING VALVES; DIAPHRAGM CONTROL VALVES; FLOAT VALVES; PRESSURE RELIEF VALVES; BACK PRESSURE VALVES; ALTITUDE VALVES; PRESSURE PILOT VALVES, LEVER VALVES, ATMOSPHERIC RELIEF VALVES; VACUUM REGULATORS; GAS REGULATORS; TIME TEMPERATURE GAS PRESSURE BOOSTER REGULATORS; PRESSURE BALANCED REGULATORS; PRESSURE REGULATORS; SAFETY SHUT-OFF REGULATORS; DIFFERENTIAL GAS PRESSURE BOOSTER REGULATORS; FLOAT UNITS, INCLUDING A HOLLOW FLOAT, A FLOAT ARM, A SHAFT, USUALLY A STUFFING BOX, AND SOME TIMES OTHER PARTS FOR INSTALLATION IN LIQUID LEVEL CONTROLLERS OR FOR CONTROLLING VALVES, SIGNAL SWITCHES AND OTHER DEVICES BY CHANGE IN LIQUID LEVEL; STEAM TRAPS; GASOLINE AND OIL TRAPS; AIR TRAPS; STEAM AND OIL SEPARATORS; PIPE LINE STRAINERS; CONTINUOUS DRAINERS, LIQUID LEVEL CONTROLLERS; EXHAUST HEADS AND AIR LINE FILTERS AND AIR AND GAS FILTERS FOR OTHER THAN ENGINE FUEL CONTROL AND AIR CONDITIONING; AND LIQUEFIED PETROLEUM GAS REGULATORS FOR CONTROL OF SUPPLY FROM DRUMS AND TANKS TO SERVICE POINTS AND ACCESSORY EQUIPMENT.
Claims use since 1890.

Reg. No. 422,657. Registered Aug. 6, 1946. WILLIAM T. ANDERSON, Indianapolis, Ind. Republished by registrant.

CASTMASTER

FOR CENTRIFUGAL CASTING MACHINES FOR MAKING SMALL INTRICATE CASTING, SUCH AS JEWELRY AND NOVELTIES.
Claims use since on or about Feb. 1, 1941.

Reg. No. 423,465. Registered Sept. 3, 1946. OAKITE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OAKITE

FOR INDUSTRIAL CLEANING EQUIPMENT—NAMELY, PORTABLE AND STATIONARY STEAM CLEANING UNITS FOR USE IN CLEANING HEAVY MACHINERY IN STEEL MILLS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since August 1931.

Reg. No. 431,567. Registered July 29, 1947. SMITH-JOHNSON CORPORATION, Los Angeles, Calif., a corporation of California. Republished by registrant.

SENACON

FOR MACHINE TOOL EQUIPMENT—NAMELY, CYLINDER, AND PISTON TYPE AIR MOTORS, VISES, FEEDS FOR DRILL PRESSES, AND OPERATIONAL CONTROLS FOR PNEUMATIC CYLINDER AND PISTON MECHANISMS.
Claims use since Oct. 20, 1941.

Reg. No. 431,611. Registered July 29, 1947. SPOTNAILS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SPOTNAILS

FOR MACHINES FOR DRIVING SECURING ELEMENTS IN THE NATURE OF NAILS.
Claims use since Aug. 29, 1941.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 262,786. Registered Oct. 22, 1929. THE CINDERELLA WASHING MACHINE COMPANY, Cleveland, Ohio. Republished by Lake State Products, Inc., Jackson, Mich., a corporation of Michigan.

CINDERELLA

FOR CLOTHES-WASHING MACHINES.
Claims use since about Aug. 1, 1927.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 384,224. Registered Jan. 7, 1941. LOEW'S INCORPORATED, Dover, Del., and New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR FILMS FOR USE IN CONNECTION WITH SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING COORDINATED LIGHT AND SOUND EFFECTS; FILMS WITH SOUND, WORDS, AND/OR MUSIC RECORDED THEREON; FILMS WITHOUT SOUND RECORDED THEREON ADAPTED FOR SYNCHRONIZATION WITH SEPARATE SOUND, WORDS, AND/OR MUSIC FILMS AND RECORDS; FILMS AND RECORDS WITH SOUND, WORDS, AND/OR MUSIC RECORDED THEREON, ADAPTED FOR SYNCHRONIZATION WITH SEPARATE PICTURE FILMS; MOTION PICTURES.
Claims use since on or about July 25, 1924.

Reg. No. 384,225. Registered Jan. 7, 1941. LOEW'S, INCORPORATED, Dover, Del., and New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR FILMS FOR USE IN CONNECTION WITH SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING COORDINATED LIGHT AND SOUND EFFECTS; FILMS WITH SOUND, WORDS, AND/OR MUSIC RECORDED THEREON; FILMS WITHOUT SOUND RECORDED THEREON ADAPTED FOR SYNCHRONIZATION WITH SEPARATE SOUND, WORDS, AND/OR MUSIC FILMS AND RECORDS; FILMS AND RECORDS WITH SOUND, WORDS, AND/OR MUSIC RECORDED THEREON, ADAPTED FOR SYNCHRONIZATION WITH SEPARATE PICTURE FILMS; MOTION PICTURES.
Claims use since Dec. 9, 1938.

Reg. No. 388,435. Registered June 24, 1941. EYE IN THE SKY, Jacksonville, Fla., a firm. Republished by registrant.

EYE-IN-THE-SKY

FOR CAMERAS.
Claims use since on or about May 1936.

Reg. No. 399,972. Registered Feb. 9, 1943. MARINE OPTICAL MFG. CO., Roslindale, Boston, Mass. Republished by Marine Optical Mfg. Co., Roslindale, Boston, Mass., a firm.

FANTASIE

FOR SUNGLASSES AND OPTICAL FRAMES.
Claims use since Apr. 24, 1942.

Reg. No. 405,698. Registered Feb. 15, 1944. OMEGA MACHINE COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant, present address Providence, R. I.

CHLOROWEIGH

FOR APPARATUS FOR CONTINUOUSLY SUPPLYING CHLORINE TO A PROCESS BY WEIGHT.
Claims use since on or about Dec. 15, 1942.

Reg. No.409,919. Registered Oct. 31, 1944. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Brake Shoe

FOR APPARATUS FOR COMPARING THE SPEEDS OF WHEELS, SHAFTS, AND OTHER ROTATING MEMBERS AND FOR BRINGING THE SAME INTO TIMED RELATION.
Claims use since on or about Apr. 22, 1943.

Reg. No. 423,561. Registered Sept. 3, 1946. BUILDERS IRON FOUNDRY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

PROPELOFLO

FOR FLUID METERS AND INSTRUMENTS USED THEREWITH FOR INTEGRATING, RECORDING AND INDICATING THE RATE OF FLOW AND FOR CONTROLLING AUXILIARY APPARATUS IN PROPORTION TO THE RATE OF FLOW
Claims use since Feb. 12, 1944.

Reg. No. 430,626. Registered June 17, 1947. WILLIAM O. FROHRING, doing business as Bio-Medical Instrument Co., Chagrin Falls, Ohio. Republished by registrant.

BIO-THESIOMETER

FOR INSTRUMENTS FOR QUANTITATIVELY DETERMINING THE SENSITIVITY OF ANY PORTION OF THE HUMAN BODY TO THE EFFECT OF AN APPLIED VIBRATION.
Claims use since May 11, 1946.

Reg. No. 430,892. Registered July 1, 1947. OMEGA MACHINE CO., Providence, R. I., a corporation of Missouri. Republished by registrant.

Vitamiser

FOR FEEDERS FOR CONTINUOUSLY AND AUTOMATICALLY PROPROTIONATELY FEEDING POWDERED OR GRANULAR MATERIAL SUCH AS VITAMIN CONCENTRATES, DRY BLEACH, MALT, BROMATE, AND THE LIKE, INTO A MASS OF MATERIAL TO BECOME A PART THEREOF.
Claims use since April 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 431,402. Registered July 22, 1947. BULOVA WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

LADY
EXCELLENCY

FOR WATCHES—NAMELY, WRIST OR STRAP WATCHES.
Claims use since Feb. 8, 1938.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 55,907. Registered Aug. 21, 1906. PLAINVILLE STOCK COMPANY, Plainville, Mass. Republished by Plainville Stock Company, Plainville, Mass., a corporation of Massachusetts.

PSCO

FOR SCARF-PINS, STICK-PINS, BROOCHES, BRACELETS, CHAINS, CHARMS, SLEEVE AND SHIRT BUTTONS.
Claims use since about 1884.

Reg. No. 363,336. Registered Dec. 20, 1938. A AND Z CHAIN COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

Synchroslide

FOR WRIST-WATCH BRACELETS, CLASPS, AND BUCKLES IN THE NATURE OF JEWELRY MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME.
Claims use since Sept. 30, 1932.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 401,719. Registered June 1, 1943. ICELESS COOLER CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.



FOR ELECTRICALLY OPERATED WATER COOLERS.
Claims use since about October 1930.

Reg. No. 418,084. Registered Dec. 4, 1945. FISHER GOVERNOR COMPANY, Marshalltown, Iowa, a corporation of Iowa. Republished by registrant.

FISHER

FOR CONSTANT PRESSURE PUMP GOVERNORS; EXCESS OR DIFFERENTIAL PUMP GOVERNORS; BOILER GAS FUEL GOVERNORS; PRESSURE REDUCING VALVES; DIAPHRAGM CONTROL VALVES; FLOAT VALVES; PRESSURE RELIEF VALVES; BACK PRESSURE VALVES; ALTITUDE VALVES; PRESSURE PILOT VALVES, LEVER VALVES, ATMOSPHERIC RELIEF VALVES; VACUUM REGULATORS; GAS REGULATORS; TIME TEMPERATURE GAS PRESSURE BOOSTER REGULATORS; PRESSURE BALANCED REGULATORS; PRESSURE REGULATORS; SAFETY SHUT-OFF REGULATORS; DIFFERENTIAL GAS PRESSURE BOOSTER REGULATORS; FLOAT UNITS, INCLUDING A HOLLOW FLOAT, A FLOAT ARM, A SHAFT, USUALLY A STUFFING BOX, AND SOMETIMES OTHER PARTS FOR INSTALLATION IN LIQUID LEVEL CONTROLLERS OR FOR CONTROLLING VALVES, SIGNAL SWITCHES AND OTHER DEVICES BY CHANGE IN LIQUID LEVEL; STEAM TRAPS; GASOLINE AND OIL TRAPS; AIR TRAPS; STEAM AND OIL SEPARATORS; PIPE LINE STRAINERS; CONTINUOUS DRAINERS, LIQUID LEVEL CONTROLLERS; EXHAUST HEADS AND AIR LINE FILTERS AND AIR AND GAS FILTERS FOR OTHER THAN ENGINE FUEL CONTROL AND AIR CONDITIONING; AND LIQUEFIED PETROLEUM GAS REGULATORS FOR CONTROL OF SUPPLY FROM DRUMS AND TANKS TO SERVICE POINTS AND ACCESSORY EQUIPMENT.
Claims use since 1890.

Reg. No. 420,825. Registered May 7, 1946. FARR COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

FAR-AIR

The word "Air" is disclaimed apart from the mark as shown.
FOR AIR FILTER PANELS.
Claims use since Oct. 15, 1944.

Reg. No. 431,693. Registered July 29, 1947. THE WHITE MOUNTAIN FREEZER COMPANY, INC., Nashua, N. H., a corporation of New Hampshire. Republished by registrant.

GEM

FOR ICE CREAM FREEZERS, HAND OPERATED AND MADE FOR HOUSEHOLD USE.
Claims use since 1883.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 381,627. Registered Oct. 1, 1940. GEORGE KOCH SONS, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

SUNTONE

FOR METAL FURNITURE — NAMELY, CHAIRS, TABLES, COCKTAIL TABLES, OCCASIONAL TABLES, BENCHES, BUFFETS, FERNERIES, PLANT STANDS, SERVING STANDS, HOSTESS STANDS, MAGAZINE RACKS, TEA WAGONS, SHELVES, METAL STANDS FOR POTS OR THE LIKE, AND METAL STANDS FOR BOWLS OR SIMILAR ARTICLES.
Claims use since January 1940.

Reg. No. 398,521. Registered Nov. 3, 1942. FOOD DISPLAY COVER COMPANY, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

"OXYTENT"

FOR CANOPIES FOR BASSINETTES.
Claims use since Mar. 1, 1939.

Reg. No. 433,319. Registered Oct. 7, 1947. CAVALIER CORPORATION, Chattanooga, Tenn., a corporation of Tennessee. Republished by registrant.

Write-away CAVALIER

FOR COMBINATION DESK AND CHEST.
Claims use since July 25, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 211,404. Registered Apr. 13, 1926. PITTSBURG WATER HEATER COMPANY, Pittsburgh, Pa. Republished by The Pittsburgh Water Heater Corporation, Pittsburgh, Pa., a corporation of Pennsylvania.

MONARCH

FOR GAS HOT-WATER HEATERS AND GAS HOT-WATER STORAGE SYSTEMS.
Claims use since Aug. 2, 1898.

Reg. No. 257,704. Registered June 18, 1929. PITTSBURG WATER HEATER COMPANY, INC., Pittsburgh, Pa. Republished by The Pittsburgh Water Heater Corporation, Pittsburgh, Pa., a corporation of Pennsylvania.

Pittsburgher

FOR GAS WATER HEATERS AND HOUSE-HEATING BOILERS FIRED WITH WOOD, VAPOR, COAL, GAS, AND OIL.
Claims use since Dec. 10, 1928.

Reg. No. 269,260. Registered Apr. 1, 1930. LAKESIDE COMPANY, Hermansville, Mich. Republished by Furblo Company, Hermansville, Mich., a corporation of Michigan.

Furblo

FOR BLOWERS FOR USE WITH WARM-AIR FURNACES AND FOR VENTILATING PURPOSES.
Claims use since on or about Oct. 1, 1929.

Reg. No. 355,865. Registered Apr. 5, 1938. NATIONAL DUST CONTROL COMPANY, New Orleans, La. Republished by National Blow Pipe & Mfg. Co., Ltd., New Orleans, La., a corporation of Louisiana.

NADUSTCO

FOR AIR DUCTS, VENTILATING, EXHAUST AND DRAFT FANS, FLUES, CONDENSERS, AND SHEET METAL PRODUCTS—NAMELY, PIPES, HOODS, AND VALVES.
Claims use since May 1, 1937.

Reg. No. 362,906. Registered Dec. 6, 1938. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

CHARCO-GRILL

The word "Grill" is disclaimed apart from the mark as shown.
FOR GRIDIRONS FOR OUTDOOR USE.
Claims use since on or about May 31, 1938.

Reg. No. 404,754. Registered Dec. 21, 1943. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Brake Shoe

FOR BOXES, MUFFLES, POTS, RETORTS, SUPPORTS, AND TRAYS USED IN CARBURIZING AND HEAT TREATING OF METALS, GLASS, AND CERAMICS.
Claims use since on or about Apr. 22, 1943.

Reg. No. 418,084. Registered Dec. 4, 1945. FISHER GOVERNOR COMPANY, Marshalltown, Iowa, a corporation of Iowa. Republished by registrant.

FISHER

FOR CONSTANT PRESSURE PUMP GOVERNORS; EXCESS OR DIFFERENTIAL PUMP GOVERNORS; BOILER GAS FUEL GOVERNORS; PRESSURE REDUCING VALVES; DIAPHRAGM CONTROL VALVES; FLOAT VALVES; PRESSURE RELIEF VALVES; BACK PRESSURE VALVES; ALTITUDE VALVES; PRESSURE PILOT VALVES, LEVER VALVES, ATMOSPHERIC RELIEF VALVES; VACUUM REGULATORS; GAS REGULATORS; TIME TEMPERATURE GAS PRESSURE BOOSTER REGULATORS; PRESSURE BALANCED REGULATORS; PRESSURE REGULATORS; SAFETY SHUT-OFF REGULATORS; DIFFERENTIAL GAS PRESSURE BOOSTER REGULATORS; FLOAT UNITS, INCLUDING A HOLLOW FLOAT, A FLOAT ARM, A SHAFT, USUALLY A STUFFING BOX, AND SOME TIMES OTHER PARTS FOR INSTALLATION IN LIQUID LEVEL CONTROLLERS OR FOR CONTROLLING VALVES, SIGNAL SWITCHES AND OTHER DEVICES BY CHANGE IN LIQUID LEVEL; STEAM TRAPS; GASOLINE AND OIL TRAPS; AIR TRAPS; STEAM AND OIL SEPARATORS; PIPE LINE STRAINERS; CONTINUOUS DRAINERS, LIQUID LEVEL CONTROLLERS; EXHAUST HEADS AND AIR LINE FILTERS AND AIR AND GAS FILTERS FOR OTHER THAN ENGINE FUEL CONTROL AND AIR CONDITIONING; AND LIQUEFIED PETROLEUM GAS REGULATORS FOR CONTROL OF SUPPLY FROM DRUMS AND TANKS TO SERVICE POINTS AND ACCESSORY EQUIPMENT.
Claims use since 1890.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 56,568. Registered Oct. 9, 1906. J. E. RHOADS & SONS, Philadelphia, Pa., a firm. Republished by registrant.



FOR LEATHER BELTING AND LEATHER PACKING.
Claims use since Jan. 1, 1897.

Reg. No. 73,160. Registered Mar. 23, 1909. THE DARLING PUMP & MFG. CO. LIMITED, Williamsport, Pa. Republished by Darling Valve & Manufacturing Company, Williamsport, Pa., a corporation of Pennsylvania.

DARCOVA

FOR COMPOSITION PACKING CONTAINING RUBBER AND A REINFORCING MATERIAL IN THE FORM OF PACKING CUPS, GASKETS, AND WASHERS, FOR USE ON OIL-WELL AND OTHER PUMPS AND ON VALVES AND FAUCETS.
Claims use since July 3, 1908.

Reg. No. 118,221. Registered Aug. 21, 1917. J. E. RHOADS & SONS, Philadelphia, Pa., and Wilmington, Del., a firm. Republished by registrant, present location Philadelphia, Pa.

STRONGHOLD

FOR LEATHER BELTING; ROUND LEATHER BELTING; CUT LEATHER LACING; COMBINED LEATHER AND FABRIC BELTING; LEATHER VALVES; AND LEATHER WASHERS.
Claims use since July 27, 1916.

Reg. No. 138,447. Registered Dec. 28, 1920. FABREEKA BELTING COMPANY, Boston, Mass. Republished by Fabreeka Products Company, Boston, Mass., a corporation of Massachusetts.

Fabreeka

FOR BELTING COMPOSED OF LAMINAE OF FABRIC AND A FLEXIBLE OR ELASTIC COMPOSITION.
Claims use since on or about Aug. 1, 1914.

Reg. No. 181,026. Registered Mar. 11, 1924. THE GARLOCK PACKING COMPANY, Palmyra, N. Y., a corporation of New York. Republished by registrant.



FOR PACKING AND PACKING MATERIAL MADE OF ASBESTOS, RUBBER, COTTON, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Feb. 15, 1901.

Reg. No. 404,755. Registered Dec. 21, 1943. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Brake Shoe

FOR FRICTIONAL ELEMENTS FOR AUTOMOTIVE AND INDUSTRIAL CLUTCHES; AND FAN BELTS, RADIATOR HOSE, AND GENERATOR COUPLINGS, MADE PARTLY OF RUBBER.
Claims use since on or about Apr. 29, 1943.

CLASS 37

PAPER AND STATIONERY

Reg. No. 31,704. Registered June 21, 1898. WHITING PAPER COMPANY, Holyoke, Mass. Republished by Whiting & Company Incorporated, Holyoke, Mass., a corporation of Massachusetts.

LEGION BOND

FOR WRITING PAPER.
Claims use since November 1894.

Reg. No. 66,359. Registered Nov. 26, 1907. EBERHARD FABER, New York, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

COMMERCE

FOR LEAD PENCILS.
Claims use since 1896.

Reg. No. 66,360. Registered Nov. 26, 1907. EBERHARD FABER, New York, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

DOT

FOR LEAD PENCILS.
Claims use since 1897.

Reg. No. 66,361. Registered Nov. 26, 1907. EBERHARD FABER, New York, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

LIBERTY

FOR LEAD PENCILS.
Claims use since 1899.

Reg. No. 66,363. Registered Nov. 26, 1907. EBERHARD FABER, New York, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

STAR

FOR LEAD PENCILS AND RUBBER ERASERS.
Claims use since 1881.

Reg. No. 78,902. Registered July 19, 1910. POWERS PAPER COMPANY, ASSOCIATES, Holyoke, Mass., and New York, N. Y., a voluntary trust association of Massachusetts. Republished by registrant, present location Springfield, Mass.

Voile

FOR WRITING PAPER IN BOXES, PAPETERIES, ENVELOPES, AND WRITING PAPER IN TABLET FORM.
Claims use since on or about the month of January 1905.

Reg. No. 125,374. Registered May 13, 1919. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SILKOTE

FOR PRINTING PAPER.
Claims use since about Jan. 1, 1915.

Reg. No. 130,303. Registered Apr. 20, 1920. A. C. GIBSON COMPANY, INC., Buffalo, N. Y. Republished by A. C. Gibson Co., Inc., (1941), Buffalo, N. Y., a corporation of New York.



The words "Gibson of" are disclaimed apart from the mark as shown.
FOR RUBBER STAMPS AND STENCILS.
Claims use since June 12, 1919.

Reg. No. 143,598. Registered June 7, 1921. ESLEECK MFG. CO., Turners Falls, Mass., a corporation of Massachusetts. Republished by registrant.

PRESTIGE

FOR ONION-SKIN PAPER.
Claims use since 1912.

Reg. No. 155,114. Registered May 16, 1922. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

THINTEXT

FOR PRINTING PAPER.
Claims use since Oct. 25, 1920.

Reg. No. 178,562. Registered Jan. 15, 1924. ESLEECK MANUFACTURING CO., Turners Falls, Mass., a corporation of Massachusetts. Republished by registrant.

VERILITE

FOR MANIFOLD PAPER.
Claims use since Aug. 22, 1923.

Reg. No. 200,532. Registered July 7, 1925. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

OKAY

FOR LEAD PENCILS.
Claims use since Mar. 30, 1922.

Reg. No. 202,328. Registered Aug. 18, 1925. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

COMET

FOR LEAD PENCILS AND RUBBER ERASERS.
Claims use since 1900.

Reg. No. 212,922. Registered May 18, 1926. J. E. LINDE PAPER CO., New York, N. Y., a corporation of New York. Republished by registrant.

JELCO

FOR TOILET PAPER.
Claims use since 1900.

Reg. No. 227,763. Registered May 17, 1927. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

VELVETENE

FOR CREPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES.
Claims use since May 1924.

Reg. No. 232,888. Registered Sept. 20, 1927. HOLYOKE CARD & PAPER COMPANY, Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

KROYDON

FOR COVER PAPER.
Claims use since Sept. 1, 1924.

Reg. No. 250,843. Registered Dec. 18, 1928. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

DITTO



PENORTYPE

The word "Penortype" is disclaimed apart from the mark as shown.
FOR PAPER FOR STATIONERY USE FOR BUSINESS FORMS PRINTED WITH STANDARD BUSINESS INK AND ALSO PRINTED WITH HECTOGRAPH INK AND FOR USE IN RUNNING COPIES FROM TYPEWRITTEN ORIGINALS AND HECTOGRAPH ORIGINALS.
Claims use since May 18, 1927.

Reg. No. 261,118. Registered Sept. 3, 1929. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.



The trade-mark consists of a plurality of parallel stripes, red in color and disposed at the ends of the containers or wrappers for the goods.

FOR WAXED, TISSUE, AND CREPE PAPER.
Claims use since July 1, 1928.

Reg. No. 264,460. Registered Nov. 26, 1929. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

Marionettes

FOR PAPER NAPKINS.
Claims use since about Mar. 1, 1929.

Reg. No. 264,461. Registered Nov. 26, 1929. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

Lillianettes

FOR PAPER NAPKINS.
Claims use since about Mar. 1, 1929.

Reg. No. 264,556. Registered Nov. 26, 1929. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

TIP-TOP

FOR TISSUE AND WAXED PAPER IN ROLLS, SHEETS, FOLDS, AND PACKAGES.
Claims use since about June 1, 1927.

Reg. No. 264,557. Registered Nov. 26, 1929. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

Henriettes

FOR PAPER NAPKINS.
Claims use since Mar. 1, 1929.

Reg. No. 271,571. Registered June 10, 1930. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.



FOR WAXED WRAPPING PAPER.
Claims use since about Apr. 1, 1929.

Reg. No. 284,433. Registered June 30, 1931. WHEELER PAPER CORPORATION, Albany, N. Y., a corporation of New York. Republished by registrant.

WYTPAK

FOR TOILET PAPER.
Claims use since Nov. 13, 1930.

Reg. No. 284,757. Registered July 7, 1931. WHEELER PAPER CORPORATION, Albany, N. Y., a corporation of New York. Republished by registrant.



FOR TOILET PAPER.
Claims use since Nov. 13, 1930.

Reg. No. 298,873. Registered Nov. 8, 1932. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

Sterilene

FOR CREPE, TISSUE, AND TOILET PAPER AND PAPER NAPKINS AND HANDKERCHIEFS.
Claims use since Sept. 1, 1931.

Reg. No. 303,021. Registered May 9, 1933. SHELLMAR PRODUCTS COMPANY, Chicago, Ill. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

SHELLMAR



FOR LABELS.
Claims use since Aug. 5, 1931.

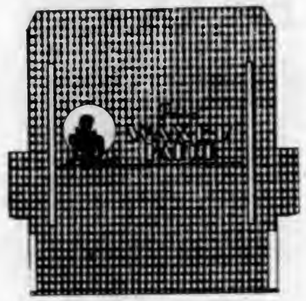
Reg. No. 311,169. Registered Mar. 13, 1934. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

BLACK WING

The word "Black" is disclaimed apart from the mark as shown.

FOR PENCILS.
Claims use since Feb. 21, 1933.

Reg. No. 320,722. Registered Jan. 8, 1935. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.



The words "Wax Paper" and the representation of a carton are disclaimed apart from the mark as shown.

FOR CREPE, TISSUE, AND WAXED PAPER.
Claims use since Feb. 15, 1933.

Reg. No. 329,700. Registered Nov. 5, 1935. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

482

FOR LEAD PENCILS.
Claims use since 1902.

Reg. No. 340,551. Registered Nov. 17, 1936. WHEELER PAPER CORPORATION, Albany, N. Y., a corporation of New York. Republished by registrant.

MOSS

FOR TOILET TISSUE.
Claims use since June 11, 1935.

Reg. No. 343,661. Registered Mar. 2, 1937. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

HISPEED

FOR COATED PAPERS, SUCH AS COATED SULPHITE SHEETS AND COATED RAG PAPER, THE COATINGS BEING SUCH THAT THEY LEND THEMSELVES TO HECTOGRAPH DUPLICATING PURPOSES BY INTENSIFYING COPIES AND PERMITTING THE REPRODUCTION OF MANY MORE COPIES THAN CAN BE OBTAINED FROM THE ORDINARY COATED PAPER ON HECTOGRAPH DUPLICATING APPARATUS.
Claims use since Mar. 15, 1929.

Reg. No. 345,077. Registered Apr. 13, 1937. THE AMERICAN ENVELOPE COMPANY, West Carrollton, Ohio, a corporation of Ohio. Republished by registrant.

UNI-MAILER

The word "Mailer" is disclaimed apart from the mark as shown.

FOR PAPER ENVELOPES.
Claims use since on or about Oct. 1, 1936.

Reg. No. 345,706. Registered May 4, 1937. SHELLMAR PRODUCTS COMPANY, Chicago, Ill. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

SHELL-PLI

FOR LAMINATED PRODUCTS CONSISTING OF CELLULOSE SHEETING COMBINED WITH OTHER PRODUCTS.
Claims use since July 9, 1936.

Reg. No. 348,621. Registered Aug. 3, 1937. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

"PERMAPOINT"

FOR FOUNTAIN PENS AND PARTS THEREOF.
Claims use since Oct. 8, 1936.

Reg. No. 349,376. Registered Aug. 24, 1937. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Pink Pearl

FOR RUBBER ERASERS.
Claims use since Jan. 1, 1910.

Reg. No. 381,076. Registered Sept. 10, 1940. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

"WOODCLINCH"

FOR LEAD PENCILS.
Claims use since Apr. 15, 1940.

Reg. No. 387,699. Registered May 27, 1941. STATIONERS' GUILD OF AMERICA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Guild

FOR ADDING MACHINE PAPER, ADDRESS BOOKS, ARCH FILES, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Feb. 17, 1922.

Reg. No. 400,535. Registered Mar. 16, 1943. F. W. WOOLWORTH Co., New York, N. Y., a corporation of New York. Republished by registrant.

DAILYAIDE

FOR COMBINATION CALENDAR AND ENGAGEMENT BOOK.
Claims use since Sept. 18, 1942.

Reg. No. 400,602. Registered Mar. 23, 1943. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Ohio. Republished by registrant.

LIQUID-FILM

The word "Film" is disclaimed apart from the mark as shown.
FOR WRAPS OF LAMINATED TRANSPARENT MATERIAL.
Claims use since May 5, 1942.

Reg. No. 423,566. Registered Sept. 3, 1946. WHEELER PAPER CORPORATION, Albany, N. Y., a corporation of New York. Republished by registrant.

DRYWON

FOR PAPER TOWELS.
Claims use since April 1942.

Reg. No. 423,573. Registered Sept. 3, 1946. WHEELER PAPER CORPORATION, Albany, N. Y., a corporation of New York. Republished by registrant.

DRYLO

FOR PAPER TOWELS.
Claims use since April 1942.

Reg. No. 428,964. Registered Apr. 15, 1947. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio, assignor to Shellmar Products Corporation. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

Shell-Flex

FOR LAMINATED WRAPPING MATERIAL.
Claims use since Sept. 30, 1942.

Reg. No. 428,965. Registered Apr. 15, 1947. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio, assignor to Shellmar Products Corporation. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

Cellucolor

FOR COLOR PRINTED TRANSPARENT CELLULOSE SHEETING AND WRAPPERS.
Claims use since May 1933.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 135,944. Registered Oct. 26, 1920. CHICAGO MILL AND LUMBER COMPANY, Chicago, Ill. Republished by Chicago Mill and Lumber Company, Chicago, Ill., a corporation of Delaware.

BOXES

FOR PRINTED MONTHLY MAGAZINE.
Claims use since Sept. 18, 1919.

Reg. No. 251,177. Registered Jan. 1, 1929. UNITED PROFIT-SHARING CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

INDIVIDUALIZED PREMIUM SERVICE

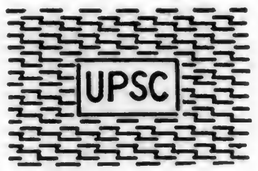
The words "Premium Service" are disclaimed apart from the mark as shown.
FOR PREMIUM COUPONS.
Claims use since Oct. 1, 1927.

Reg. No. 253,563. Registered Feb. 26, 1929. MAGAZINE PUBLISHERS, INC., New York, N. Y. Republished by A. A. Wyn, Inc., New York, N. Y., a corporation of New York.

Western Trails

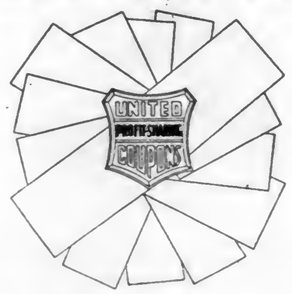
FOR MONTHLY MAGAZINE.
Claims use since July 23, 1928.

Reg. No. 255,908. Registered Apr. 30, 1929. UNITED PROFIT-SHARING CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR TRADE COUPONS.
Claims use since about October 1923.

Reg. No. 262,568. Registered Oct. 15, 1929. UNITED PROFIT-SHARING CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.



The words "Profit Sharing Coupons" are disclaimed apart from the mark as shown.
FOR A PERIODICAL PUBLISHED ANNUALLY.
Claims use since about July 1, 1928.

Reg. No. 292,812. Registered Mar. 29, 1932. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y. Republished by Dental Digest, Inc., Pittsburgh, Pa., a corporation of Pennsylvania.

The Dental Digest

FOR PUBLICATIONS ON DENTISTRY.
Claims use since 1895.

Reg. No. 353,635. Registered Jan. 11, 1938. BRYAN DAVIS PUBLISHING COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

COMMUNICATIONS

FOR PERIODICAL PUBLICATION.
Claims use since Aug. 1, 1937.

Reg. No. 355,595. Registered Mar. 22, 1938. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.

Sergeant's

FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since Feb. 1, 1919.

Reg. No. 359,150. Registered Aug. 9, 1938. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Hawaii, and San Francisco, Calif., a corporation organized under the laws of the Territory of Hawaii. Republished by registrant.

Patricia Comes

FOR PRINTED MATTER PUBLISHED FROM TIME TO TIME—NAMELY, RECIPE BOOKS.
Claims use since June 21, 1937.

Reg. No. 365,165. Registered Feb. 28, 1939. MCLOUGHLIN BROS., INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

THE LITTLE BIG BOOKS

The words "The" and "Books" are disclaimed apart from the mark as shown; the words "Little" and "Big" are disclaimed except in combination with each other.
FOR SERIES OF BOOKS PUBLISHED FROM TIME TO TIME.
Claims use since Dec. 26, 1928.

Reg. No. 367,824. Registered May 30, 1939. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

SHELL-VUE

FOR WINDOW POSTERS.
Claims use since Oct. 24, 1938.

Reg. No. 372,460. Registered Oct. 31, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

On Mighty The Ripples

FOR SERIES OF CARTOONS.
Claims use since May 28, 1939.

Reg. No. 382,782. Registered Nov. 12, 1940. GLOBE HOIST COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

LIFT

The drawing is lined for the color red.
FOR PERIODICAL CONTAINING INFORMATIVE MATTER RELATING TO APPLICANT'S LIFTS AND THE LUBRICATION THEREOF.
Claims use since May 1, 1940.

Reg. No. 387,951. Registered June 10, 1941. NEW CITY PRINTING CO., Union City, N. J., a firm. Republished by registrant.

PRODUCED BY Engravatone TRADEMARK REGISTERED

The representation of a book and all wording except the word "Engravatone" is disclaimed apart from the mark as shown.

FOR BOOKS.

Claims use since Nov. 16, 1938.

Reg. No. 410,102. Registered Nov. 7, 1944. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Private Wire

FOR PUBLICATION ISSUED PERIODICALLY.

Claims use since on or about May 6, 1944.

CLASS 39

CLOTHING

Reg. No. 106,462. Registered Oct. 19, 1915. MCADOO & ALLEN, Philadelphia, Pa. Republished by McAdoo & Allen Welting Co., Quakertown, Pa., a corporation of Pennsylvania.

LIBERTY BELL

FOR LEATHER WELTING.

Claims use since Feb. 1, 1915.

Reg. No. 175,948. Registered Nov. 13, 1923. THE PARAMOUNT KNITTING COMPANY, Chicago, Ill., assignor to Bear Brand Hosiery Co., Chicago, Ill., a corporation of Illinois. Republished by Bear Brand Hosiery Co., Chicago, Ill., a corporation of Illinois.

CORTEZ

FOR TEXTILE ARTICLES—NAMELY, HOSIERY.

Claims use since Nov. 22, 1922.

Reg. No. 183,412. Registered Apr. 29, 1924. DOERMAN & HERBST SHOE MFG. CO., South Milwaukee, Wis. Republished by Doerman Shoe Mfg. Co., South Milwaukee, Wis., a corporation of Wisconsin.

"GREAT SCOTT"

FOR LEATHER SHOES.

Claims use since Aug. 7, 1923.

Reg. No. 213,421. Registered May 25, 1926. BEAR BRAND HOSIERY CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

LITTLE MEN

FOR TEXTILE ARTICLES—NAMELY, HOSIERY.

Claims use since Sept. 28, 1925.

Reg. No. 216,878. Registered Aug. 24, 1926. BEAR BRAND HOSIERY CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The representation of the hosiery is disclaimed apart from the mark as shown.

FOR TEXTILE ARTICLES—NAMELY, HOSIERY.

Claims use since June 20, 1922.

Reg. No. 218,244. Registered Sept. 21, 1926. DOERMAN-LEISER SHOE MFG. CO., South Milwaukee, Wis., by change of name, Doerman Shoe Mfg. Co. Republished by Doerman Shoe Mfg. Co., South Milwaukee, Wis., a corporation of Wisconsin.

"BABY SCOTT"

The word "Scott" is disclaimed apart from the mark as shown.

FOR LEATHER SHOES.

Claims use since Mar. 27, 1925.

Reg. No. 235,351. Registered Nov. 15, 1927. PORTER CLOTHING CO., New Orleans, La. Republished by Schloss Bros. & Co., Inc., Baltimore, Md., a corporation of Maryland.

PORTER'S Kerry-Keith

FOR OVERCOATS AND SUITS FOR MEN.

Claims use since June 10, 1927.

Reg. No. 257,253. Registered June 4, 1929. H. S. PETTICOAT COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

GLOV RAY

FOR WOMEN'S UNDERGARMENTS OF KNITTED AND TEXTILE FABRICS—NAMELY, SLIPS, BLOOMERS, PANTIES, VESTS, PAJAMAS, NIGHTGOWNS, KNICKERS, CHEMISES, BANDEAU SETS, PETTICOATS, AND STEP-INS.

Claims use since June 1, 1928.

Reg. No. 334,815. Registered May 12, 1936. EDMONT MANUFACTURING COMPANY, Coshocton, Ohio, a corporation of Ohio. Republished by registrant.

Edmont

FOR GLOVES AND MITTENS OF RUBBER AND FABRIC.

Claims use since Aug. 15, 1935.

Reg. No. 337,134. Registered July 28, 1936. THE WEISBAUM BROS., BROWER COMPANY, Cincinnati, Ohio. Republished by Beau Brummell Ties, Inc., Cincinnati, Ohio, a corporation of Ohio.

THE TOPPER

FOR MEN'S NECKTIES AND MUFFLERS.

Claims use since on or about Feb. 17, 1936.

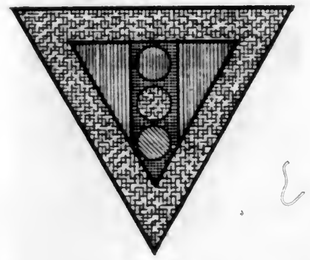
Reg. No. 338,729. Registered Sept. 15, 1936. THE WEISBAUM BROS., BROWER COMPANY, Cincinnati, Ohio. Republished by Beau Brummell Ties, Inc., Cincinnati, Ohio, a corporation of Ohio.

Sportown

FOR MEN'S NECKTIES.

Claims use on or about Apr. 1, 1931.

Reg. No. 339,760. Registered Oct. 20, 1936. BERNE MANUFACTURING COMPANY, Berne, Ind. Republished by Winner, Inc., Berne, Ind., a corporation of Indiana.



The drawing is lined for the colors red, yellow, black, and green.

FOR CHILDREN'S AND YOUNG PEOPLE'S COTTON, WOOL, RUBBER, AND LEATHER WEARING APPAREL—NAMELY, JUMPERS, SHORTS, SHIRTS, AND JACKETS.

Claims use since Dec. 1, 1933.

Reg. No. 351,049. Registered Oct. 19, 1937. THE WEISBAUM BROS., BROWER COMPANY, Cincinnati, Ohio. Republished by Beau Brummell Ties, Inc., Cincinnati, Ohio, a corporation of Ohio.

Gallant

FOR MEN'S NECKTIES.

Claims use since on or about Sept. 2, 1933.

Reg. No. 352,589. Registered Dec. 7, 1937. A. H. GEUTING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Geuting's THRIF-TRED

The word "Tred" is disclaimed apart from the mark as shown.

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR ANY COMBINATION OF THESE MATERIALS.

Claims use since Nov. 1, 1936.

Reg. No. 357,711. Registered June 14, 1938. A. H. GEUTING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PEERESS

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES, MADE OF LEATHER, RUBBER, OR FABRIC, OR ANY COMBINATION OF THESE MATERIALS.

Claims use since Aug. 20, 1939.

Reg. No. 360,349. Registered Sept. 13, 1938. EDMONT MANUFACTURING COMPANY, Coshocton, Ohio, a corporation of Ohio. Republished by registrant.

DOFF and DON

FOR GLOVES MADE OF RUBBER AND FABRIC.
Claims use since Mar. 10, 1938.

Reg. No. 375,516. Registered Feb. 20, 1940. MILES SHOES, INC., New York, N. Y. Republished by Miles Shoes Incorporated, New York, N. Y., a corporation of New York.

Elast-Eze

FOR SHOES, SLIPPERS, AND BOOTS OF LEATHER, FABRIC, ELASTIC, AND COMBINATIONS THEREOF; SPATS; HOSIERY; AND CUT-OUT SHOE PARTS—NAMELY, HEELS, INNER AND OUTER SOLES, UPPERS, TONGUES, AND TOE CAPS.
Claims use since July 31, 1939.

Reg. No. 386,153. Registered Mar. 25, 1941. THE PATRICIA PETTICOAT CO., INC., New York, N. Y. Republished by Rhythm Lingerie, Inc., New York, N. Y., a corporation of New York.

Rhythm

SMALL FRY

FOR WOMEN'S AND MISSES' SLIPS.
Claims use since Sept. 6, 1938.

Reg. No. 392,180. Registered Dec. 16, 1941. MILES SHOES, INC., New York, N. Y. Republished by Miles Shoes Incorporated, New York, N. Y., a corporation of New York.

Walkables

FOR SHOES, SLIPPERS, AND BOOTS OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF SAID MATERIALS, SPATS, HEELS, HOSIERY, AND SHOE FINDINGS—NAMELY, INNER AND OUTER SOLES, UPPERS, TONGUES AND TOE CAPS.
Claims use since Sept. 1, 1940.

Reg. No. 401,522. Registered May 25, 1943. THE SELBY SHOE COMPANY, Portsmouth, Ohio, a corporation of Ohio. Republished by registrant.

PHYSICAL CULTURE

FOR SHOES MADE FROM LEATHER, FABRIC, RUBBER OR COMBINATIONS OF THESE MATERIALS.
Claims use since Apr. 15, 1942.

Reg. No. 406,581. Registered Apr. 11, 1944. THE BERGER BROTHERS COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant.

SPENSUPPORT

FOR CORSETS, GIRDLES, AND BRASSIÈRES, INCLUDING CORSETS HAVING ABDOMINAL SUPPORTS.
Claims use since on or about May 20, 1942.

Reg. No. 417,107. Registered Oct. 16, 1945. SCHWOB MANUFACTURING COMPANY, Columbus, Ga. Republished by Schwob Manufacturing Company, Columbus, Ga., a corporation of Georgia.

"SCHWOBILT SUITS THE SOUTH"

The word "Suits" is disclaimed apart from the mark as shown.
FOR MEN'S SUITS AND CLOTHING—NAMELY, OVERCOATS, SPORT COATS, AND PANTS.
Claims use since Sept. 12, 1944.

Reg. No. 423,217. Registered Aug. 27, 1946. FUTURE FASHIONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Future Maid
CREATED BY FUTURE FASHIONS INC.

The words "Created by Future Fashions Inc." are disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' DRESSES, SPORTSWEAR—NAMELY, SLACKS, BLOUSES, AND JACKETS.
Claims use since July 20, 1944.

Reg. No. 424,001. Registered Sept. 17, 1946. FUTURE FASHIONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Future Miss

The word "Miss" is disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' DRESSES AND SPORTSWEAR—NAMELY, SLACKS, BLOUSES, AND JACKETS.
Claims use since Dec. 1, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 429,398. Registered Apr. 29, 1947. C. J. BATES & SON, Chester, Conn., a firm. Republished by registrant.

Zeene

FOR CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE.
Claims use since Apr. 15, 1946.

Reg. No. 430,028. Registered June 3, 1947. C. J. BATES & SON, Chester, Conn., a firm. Republished by registrant.

Universal

FOR CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE.
Claims use since May 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 68,575. Registered Apr. 14, 1908. MOUNT VERNON WOODBERRY COTTON DUCK COMPANY, Baltimore, Md. Republished by Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md., a corporation of Maryland.

COLUMBIA MILLS

FOR COTTON DUCK.
Claims use since 1893.

Reg. No. 127,225. Registered Oct. 28, 1919. EASTERN FINISHING WORKS, INC., Kenyon, R. I. Republished by William L. Barrell Company, Inc., New York, N. Y., a corporation of Maine.

TEXSHED

FOR WATERPROOF TEXTILE FABRICS.
Claims use since July 1906.

Reg. No. 127,734. Registered Dec. 2, 1919. EASTERN FINISHING WORKS, INC., Kenyon, R. I. Republished by William L. Barrell Company, Inc., New York, N. Y., a corporation of Maine.

PARATOL

FOR WATERPROOF TEXTILE FABRICS.
Claims use since July 1, 1918.

Reg. No. 230,307. Registered July 19, 1927. WILLIAM L. BARRELL CO. OF NEW YORK, INC., New York, N. Y. Republished by William L. Barrell Company, Inc., New York, N. Y., a corporation of Maine.

DURO-DUK

The word "Duk" is disclaimed apart from the mark as shown.
FOR COTTON DUCK IN THE PIECE.
Claims use since Feb. 4, 1927.

Reg. No. 270,615. Registered May 13, 1930. BOOTT MILLS, Lowell, Mass., a corporation of Massachusetts. Republished by registrant.

LoeL

FOR CURTAINS OF COTTON AND COTTON AND WOOL TEXTILE MATERIAL.
Claims use since Nov. 23, 1929.

Reg. No. 300,255. Registered Jan. 10, 1933. WOLLNER & SMITH, New York, N. Y. Republished by Wall St. Clothes, Inc., New York, N. Y., a corporation of New York.

Wall Street

FOR GOODS IN THE PIECE OF WOOL, COTTON, RAYON, SILK, AND ANY COMBINATION THEREOF.
Claims use since July 1931.

Reg. No. 328,199. Registered Sept. 17, 1935. HODGMAN RUBBER COMPANY, Framingham, Mass., a corporation of Massachusetts. Republished by registrant.

HORCO

FOR RUBBERIZED FABRICS.
Claims use since July 13, 1934.

Reg. No. 336,367. Registered July 7, 1936. WILLIAM L. BARRELL COMPANY, New York, N. Y., a corporation of Maine. Republished by registrant.

Resilitize

FOR COTTON, WOOL, AND RAYON PIECE GOODS.
Claims use since Oct. 21, 1935.

Reg. No. 356,609. Registered May 3, 1938. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

SPORTFLASH

FOR COTTON AND WOOLEN, AND COMBINATIONS THEREOF, IN THE PIECE.
Claims use since Sept. 29, 1937.

Reg. No. 364,831. Registered Feb. 14, 1939. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y., a corporation of Maine. Republished by registrant.

HIYA

FOR GABARDINE IN THE PIECE.
Claims use since Aug. 18, 1938.

Reg. No. 424,973. Registered Oct. 29, 1946. DROMONA & MAINE LIMITED, Cullybackey, Northern Ireland, a limited company of Great Britain. Republished by registrant.

MADROFIN

FOR COTTON AND LINEN PIECE GOODS.
Claims use since June 28, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 300,349. Registered Jan. 17, 1933. THE KENDALL COMPANY, Chicago, Ill., and Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address Boston, Mass.

BAUER & BLACK

The mark consists of a dark blue bar across one end of the container or label.

FOR BANDAGE COMPRESS, DENTAL FLOSS, CREPE BANDAGES, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Jan. 1, 1930.

Reg. No. 366,596. Registered Apr. 18, 1939. A. A. GRAY, doing business as Gray Laboratories, Seattle, Wash. Republished by Dentur-Eze, Inc., Seattle, Wash., a corporation of Washington.

DENTUR-EZE

FOR PLASTIC CUSHIONS FOR LOOSE DENTAL PLATES.
Claims use since Sept. 24, 1938.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 136,315. Registered Nov. 2, 1920. BEAR LITHIA SPRINGS CO., New York, N. Y. Republished by Great Bear Spring Company, New York, N. Y., a corporation of New Jersey.

Bear

FOR NON-ALCOHOLIC BEVERAGES OR SOFT DRINKS, AS FOLLOWS: STILL AND SPARKLING TABLE-WATER, GINGER-ALE, SARSAPARILLA, BIRCH-BEER, LEMON-SODA, ORANGE-SODA, ROOT-BEER, BLOOD-ORANGE, CREAM-SODA, AND ORANGE-PHOSPHATE.
Claims use since about 1886.

Reg. No. 194,622. Registered Feb. 3, 1925. HASKELL, ADAMS CO., Boston, Mass. Republished by Rival Foods, Inc., Cambridge, Mass., a corporation of Massachusetts.

Rival

FOR GINGER ALE, FRUIT SIRUP FOR BEVERAGE PURPOSES, AND GRAPE JUICE.
Claims use since 1875.

Reg. No. 385,862. Registered Mar. 18, 1941. C. E. TREES & CO., INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

PENNY-WISE

FOR NON-ALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, SIRUP AND EXTRACT FOR MAKING THE SAME.
Claims use since May 22, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 67,052. Registered Jan. 14, 1908. ILLINOIS CANNING CO., Camden, N. J., and Hoopeston, Ill. Republished by The Illinois Canning Co., Hoopeston, Ill., a corporation of Illinois.

Faithful

FOR CANNED VEGETABLES.
Claims use since Sept. 1, 1904.

Reg. No. 82,688. Registered July 18, 1911. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

ART

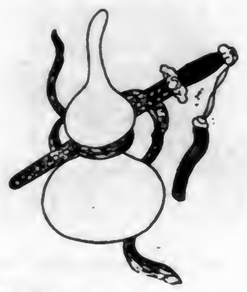
FOR WHEAT FLOUR.
Claims use since Dec. 5, 1910.

Reg. No. 88,258. Registered Sept. 10, 1912. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since May 16, 1911.

Reg. No. 88,259. Registered Sept. 10, 1912. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Aug. 1, 1911.

Reg. No. 88,260. Registered Sept. 10, 1912. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

ACHIEVER

FOR WHEAT FLOUR.
Claims use since Aug. 24, 1911.

Reg. No. 88,261. Registered Sept. 10, 1912. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since June 27, 1911.

Reg. No. 90,184. Registered Feb. 11, 1913. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

SYSTEM

FOR WHEAT FLOUR.
Claims use since May 18, 1911.

Reg. No. 90,185. Registered Feb. 11, 1913. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

TOTEM POLE

FOR WHEAT FLOUR.
Claims use since Apr. 19, 1911.

Reg. No. 90,186. Registered Feb. 11, 1913. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since May 22, 1911.

Reg. No. 90,316. Registered Feb. 18, 1913. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Sept. 30, 1912.

Reg. No. 90,317. Registered Feb. 18, 1913. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Sept. 30, 1912.

Reg. No. 90,977. Registered Apr. 8, 1913. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since June 12, 1911.

Reg. No. 91,147. Registered Apr. 15, 1913. WINTER HAVEN CITRUS GROWERS ASSOCIATION, Winter Haven, Fla., a corporation of Florida. Republished by registrant.



FOR ORANGES, LEMONS, GRAPE-FRUIT, TANGERINES, AND LIMES.
Claims use since Nov. 6, 1912.

Reg. No. 92,330. Registered July 1, 1913. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since Aug. 5, 1912.

Reg. No. 97,047. Registered May 19, 1914. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address West Waterway, Harbor Island, Seattle, Wash.



The word "Brand" is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since Aug. 20, 1912.

Reg. No. 104,580. Registered June 1, 1915. ALEXANDER WOOD & SON, Peterhead, Scotland, a firm of Scotland. Republished by registrant.



FOR PICKLED HERRINGS IN BARRELS.
Claims use since July 1, 1894.

Reg. No. 105,050. Registered July 6, 1915. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Oct. 30, 1914.

Reg. No. 105,051. Registered July 6, 1915. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Oct. 30, 1914.

Reg. No. 105,195. Registered July 13, 1915. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Oct. 30, 1914.

Reg. No. 109,317. Registered Mar. 28, 1916. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address West Waterway, Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Mar. 14, 1914.

Reg. No. 118,465. Registered Sept. 11, 1917. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Jan. 18, 1917.

Reg. No. 122,641. Registered Sept. 3, 1918. HASKELL, ADAMS CO., Boston, Mass. Republished by Rival Foods, Inc., Cambridge, Mass., a corporation of Massachusetts.



FOR VINEGAR, MINCE MEAT, SPICES, CANNED SHRIMP, CANNED LOBSTER, CANNED CLAMS, CANNED VEGETABLES, CANNED FRUIT, CANNED PORK AND BEANS, COFFEE, TEA, FLAVORING EXTRACTS FOR FOODS, JAMAICA GINGER, RAISINS, DRIED CURRANTS, CANNED RED KIDNEY BEANS, AND TABLE SYRUP.
Claims use since 1875.

Reg. No. 124,827. Registered Mar. 18, 1919. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

MORFAT

FOR STOCK FEED.
Claims use since May 9, 1918.

Reg. No. 125,568. Registered May 27, 1919. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

MORMILK

FOR DAIRY FEED.
Claims use since Oct. 7, 1918.

Reg. No. 126,353. Registered Aug. 19, 1919. STANDARD CANDY COMPANY, Nashville, Tenn., a corporation of Tennessee. Republished by registrant.

Butter-Cup

FOR CANDY.
Claims use since Mar. 1, 1908.

Reg. No. 139,965. Registered Mar. 1, 1921. ALBERS OLIVE COMPANY, Riverside, Calif. Republished by Mawer-Guiden-Annis, Inc., Brooklyn, N. Y., a corporation of New York.

OLIVE MINCE

FOR FRUIT AND OLIVE PRODUCTS, CONSISTING PARTICULARLY OF FINELY MINCED OLIVES MIXED WITH A TOMATO SAUCE, SPICE, AND CONDIMENT BEING ADDED.
Claims use since Nov. 17, 1919.

Reg. No. 142,303. Registered May 10, 1921. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant.



FOR SELF-RISING FLOUR.
Claims use since August 1920.

Reg. No. 142,304. Registered May 10, 1921. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant.



FOR SELF-RISING FLOUR.
Claims use since August 1920.

Reg. No. 142,305. Registered May 10, 1921. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant.



FOR SELF-RISING FLOUR.
Claims use since August 1920.

Reg. No. 144,765. Registered July 19, 1921. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since July 17, 1920.

Reg. No. 145,665. Registered Aug. 16, 1921. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since July 27, 1911.

Reg. No. 162,751. Registered Dec. 26, 1922. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address West Waterway, Harbor Island, Seattle, Wash.



The word "Blend" is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since May 6, 1911.

Reg. No. 167,192. Registered Apr. 24, 1923. STAFFORD COUNTY FLOUR MILLS CO., Hudson, Kans., a corporation of Kansas. Republished by registrant.

HUDSON CREAM

FOR WHEAT FLOUR.
Claims use since 1907.

Reg. No. 171,197. Registered July 31, 1923. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Honolulu, Territory of Hawaii, a corporation organized under the laws of the Territory of Hawaii. Republished by registrant.

PALM ISLAND

FOR CANNED PINEAPPLE.
Claims use since Feb. 15, 1921.

Reg. No. 172,110. Registered Aug. 21, 1923. THE LAKE ERIE PROVISION COMPANY, Cleveland, Ohio. Republished by Cleveland Provision Company, Cleveland, Ohio, a corporation of Ohio.

MEADOWLARK

FOR HAMS, BACON, LARD, AND SAUSAGE PRODUCTS.
Claims use since on or about Oct. 26, 1922.

Reg. No. 172,436. Registered Aug. 28, 1923. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.



FOR WHEAT FLOUR.
Claims use since May 1, 1917.

Reg. No. 173,336. Registered Sept. 25, 1923. T. W. WOOD & SONS, Richmond, Va., a firm. Republished by registrant.

WOOD'S
PAMUNKEY
SCRATCH FOOD

The words "Scratch Food" are disclaimed apart from the mark as shown.
FOR SCRATCH FOOD FOR FOWL.
Claims use since Oct. 20, 1921.

Reg. No. 176,608. Registered Nov. 27, 1923. STANDARD CANDY COMPANY, Nashville, Tenn., a corporation of Tennessee. Republished by registrant.



FOR CANDY.
Claims use since Jan. 1, 1910.

Reg. No. 179,161. Registered Feb. 5, 1924. GROCERS' BAKING COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.



The words "Honey Krust" and "The Glo-O'-Health In Every Crumb" are disclaimed apart from the mark as shown.
FOR BREAD.
Claims use since Mar. 13, 1916.

Reg. No. 181,273. Registered Mar. 18, 1924. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

EL NIÑO



FOR WHEAT FLOUR.
Claims use since March 1923.

Reg. No. 181,274. Registered Mar. 18, 1924. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since March 1923.

Reg. No. 184,633. Registered May 27, 1924— T. W. WOOD & SONS, Richmond, Va., a firm. Republished by registrant.

WOOD'S
PAMUNKEY
ENSILAGE
CORN

The words "Pamunkey Ensilage Corn" are disclaimed apart from the mark as shown.
FOR ENSILAGE CORN.
Claims use since Jan. 1, 1910.

Reg. No. 196,492. Registered Mar. 17, 1925. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.

Broncho

FOR WHEAT FLOUR.
Claims use since Jan. 23, 1919.

Reg. No. 197,681. Registered Apr. 21, 1925. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island Seattle, Wash., a corporation of Washington. Republished by registrant.

"BLEND'S MAH FRIEND"

FOR WHEAT FLOUR AND BREAKFAST CEREALS.
Claims use since July 1, 1911.

Reg. No. 207,940. Registered Jan. 12, 1926. PERFECTION BISCUIT COMPANY, Fort Wayne, Ind., a corporation of Indiana. Republished by registrant.

ANNIE
LAURIE

FOR COOKIE CAKES.
Claims use since Oct. 2, 1915.

Reg. No. 208,254. Registered Jan. 26, 1926. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

DURIAN

FOR WHEAT FLOUR.
Claims use since Jan. 8, 1915.

Reg. No. 210,763. Registered Mar. 23, 1926. H. G. HILL STORES, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

VELVA

FOR BUTTER.
Claims use since May 13, 1924.

Reg. No. 213,099. Registered May 18, 1926. KLINK CITRUS ASSOCIATION, Ivanhoe, Calif., a corporation of California. Republished by registrant.

EXCLUSIVE

FOR FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT.
Claims use since Apr. 26, 1925.

Reg. No. 215,802. Registered July 27, 1926. KLINK CITRUS ASSOCIATION, Ivanhoe, Calif., a corporation of California. Republished by registrant.

IVANHOE

FOR FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT.
Claims use since Jan. 1, 1925.

Reg. No. 225,845. Registered Mar. 29, 1927. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

TOTEM



FOR WHEAT FLOUR.
Claims use since Aug. 7, 1926.

Reg. No. 226,618. Registered Apr. 12, 1927. SEACOAST CANNING COMPANY, Eastport, Maine. Republished by Seaboard Packing Company, Lubec, Maine, a corporation of Maine.

NEPTUNE

FOR CANNED FISH, SPECIFICALLY CANNED SARDINES.
Claims use since about August 1899.

Reg. No. 226,711. Registered Apr. 19, 1927. SEACOAST CANNING COMPANY, Eastport, Maine. Republished by Seaboard Packing Company, Lubec, Maine, a corporation of Maine.

CONQUEROR



FOR CANNED FISH, SPECIFICALLY SARDINES.
Claims use since about September 1909.

Reg. No. 227,757. Registered May 17, 1927. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

PARASOL



FOR WHEAT FLOUR.
Claims use since Aug. 5, 1926.

Reg. No. 229,157. Registered June 21, 1927. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

LaConcha



FOR WHEAT FLOUR.
Claims use since May 3, 1924.

Reg. No. 230,765. Registered Aug. 2, 1927. SEACOAST CANNING COMPANY, Eastport, Maine. Republished by Seaboard Packing Company, Lubec, Maine, a corporation of Maine.



FOR CANNED FISH, SPECIFICALLY SARDINES.
Claims use since about September 1909.

Reg. No. 232,274. Registered Sept. 6, 1927. F. E. BOOTH CO., San Francisco, Calif. Republished by F. E. Booth Company, Inc., San Francisco, Calif., a corporation of Nevada.

GALE

FOR CANNED FRUITS, CANNED VEGETABLES, AND CANNED SARDINES.
Claims use since Sept. 1, 1922.

Reg. No. 234,867. Registered Nov. 8, 1927. KLINK CITRUS ASSOCIATION, Ivanhoe, Calif., a corporation of California. Republished by registrant.

PRIDE OF VENICE COVE

FOR FRESH CITROUS FRUITS.
Claims use since Dec. 1, 1917.

Reg. No. 237,590. Registered Jan. 10, 1928. ROYAL BLUE STORES, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

ROYAL BLUE STORES

FOR CANNED FRUITS AND FRUIT PRESERVES—NAMELY, APPLES, APPLE BUTTER; AND ALL THE OTHER GOODS NAMED IN THE REGISTRATION.
Claims use since January 1921.

Reg. No. 242,263. Registered May 22, 1928. THE FISHER BROTHERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

POT O' GOLD

FOR COFFEE.
Claims use since Sept. 1, 1927.

Reg. No. 244,065. Registered July 10, 1928. STEELE-WEDELES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CHEF-LEO

FOR SAUCE BORDELAISE, SAUCE NEWBURG, SAUCE BERCY, CHILE CON CARNE, SESAME OIL FOR FOOD PURPOSES, THIN CHINESE SOY SAUCE, RASPBERRY SAUCE, THICK CHINESE SOY SAUCE.
Claims use since March 1922.

Reg. No. 246,584. Registered Sept. 11, 1928. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present location Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Oct. 23, 1916.

Reg. No. 249,236. Registered Nov. 13, 1928. FLORIDA FRUIT CANNERS, INC., Frostproof, Fla. Republished by L. Maxcy, Inc., Frostproof, Fla., a corporation of Florida.

SILVER SLICE



The word "Slice" is disclaimed apart from the mark as shown.
FOR CANNED GRAPEFRUIT.
Claims use since Sept. 14, 1927.

Reg. No. 250,884. Registered Dec. 18, 1928. ALBERS BROS. MILLING CO., San Francisco, Calif. Republished by Albers Milling Company, Oakland, Calif., a corporation of Oregon.



FOR CAKE AND PASTRY FLOUR.
Claims use since June 1, 1920.

Reg. No. 254,386. Registered Mar. 26, 1929. LORENZO CLEMENTE, doing business as Yolanda Packing Company, Los Angeles, Calif. Republished by Yolanda Packing Company, Los Angeles, Calif., a firm.

Yolanda

FOR CANNED ALIMENTARY PASTE PRODUCTS—NAMELY, RAVIOLI, SPHAGETTI, AND MACARONI; MUSHROOM SAUCE AND CHILI SAUCE, CANNED TAMALES, AND CANNED ENCHILADAS.
Claims use since Apr. 13, 1928.

Reg. No. 261,447. Registered Sept. 17, 1929. MACK BAKING COMPANY, Brewer, Me., a corporation of Maine. Republished by registrant.

"THE BIG LOAFERS"

FOR BREAD IN THE LOAF.
Claims use since Jan. 1, 1926.

Reg. No. 261,736. Registered Sept. 24, 1929. THE FISHER BROTHERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



FOR COFFEE.
Claims use since Oct. 1, 1927.

Reg. No. 263,296. Registered Nov. 5, 1929. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address West Waterbury, Harbor Island, Seattle, Wash.



GRIFFIN KEY

FOR WHEAT FLOUR.
Claims use since Aug. 1, 1928.

Reg. No. 263,297. Registered Nov. 5, 1929. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address West Waterbury, Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Aug. 1, 1928.

Reg. No. 263,573. Registered Nov. 5, 1929. H. Y. MINAMI, doing business as H. Y. Minami & Sons, Guadalupe, Calif. Republished by H. Y. Minami and Sons, Guadalupe, Calif., a corporation of California.

SECURITY

FOR FRESH LETTUCE AND CAULIFLOWER.
Claims use since Mar. 19, 1929.

Reg. No. 269,423. Registered Apr. 8, 1930. ALEXANDER WOOD & SON, Peterhead, Scotland, a firm. Republished by registrant.



The word "Brand" is disclaimed apart from the mark as shown.
FOR HERRINGS PRESERVED IN BRINE.
Claims use since Sept. 27, 1887.

Reg. No. 269,679. Registered Apr. 15, 1930. THE WALL ROGALSKY MILLING COMPANY, McPherson, Kans., a corporation of Kansas. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since Aug. 28, 1929.

Reg. No. 278,320. Registered Dec. 16, 1930. NEWBRY & SONS, Talent, Oreg. Republished by Newbry Orchards, Ashland, Oreg., a copartnership.

NUF SED

FOR FRESH DECIDUOUS FRUITS.
Claims use since Mar. 10, 1930.

Reg. No. 279,245. Registered Jan. 13, 1931. THE CLEVELAND PROVISION COMPANY, Cleveland, Ohio., a corporation of Ohio. Republished by registrant.

WILTSHIRE

FOR HAM, BACON, SAUSAGE, MEAT LOAF, SOUSE, PIG TONGUES, BEEF TONGUES, BEEF LIPS, DRIED BEEF, AND LARD.
Claims use since 1887.

Reg. No. 283,774. Registered June 9, 1931. THE CLEVELAND PROVISION COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

ROSE

FOR HAM, BACON, SAUSAGE, MEAT ROLL, MEAT LOAF, DRIED BEEF, AND SOUSE.
Claims use since 1876.

Reg. No. 285,005. Registered July 14, 1931. SOUTHERN RICE SALES COMPANY, INC., New York, N. Y. Republished by River Brand Rice Mills, Inc., New York, N. Y., a corporation of Delaware.

TWINKLE

FOR RICE, BARLEY, DRIED PEAS, DRIED BEANS, DRIED LENTILS, COFFEE AND SPICES, RICE FLAKES, AND RICE FLOUR.
Claims use since Jan. 14, 1931.

Reg. No. 293,921. Registered May 10, 1932. THE FISHER BROTHERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The words "Golden Roll Pasteurized Creamery Butter" are disclaimed apart from the mark as shown.
FOR BUTTER.
Claims use since Sept. 1, 1931.

Reg. No. 294,427. Registered May 24, 1932. BENSON FISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SWAN ISLAND
BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR CANNED SALMON AND SHRIMP.
Claims use since Jan. 19, 1904.

Reg. No. 295,404. Registered June 28, 1932. POLK MILLER PRODUCTS CORP., Richmond, Va., a corporation of Virginia. Republished by registrant.

Sergeant's

FOR FOOD FOR PUPPIES AND DOGS OF ALL BREEDS.
Claims use since 1927.

Reg. No. 296,633. Registered Aug. 16, 1932. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Hawaii, and San Francisco, Calif., a corporation of the Territory of Hawaii. Republished by registrant.

Sweet Treat

The word "Sweet" is disclaimed apart from the mark as shown.
FOR CANNED PINEAPPLE.
Claims use since Aug. 1, 1928.

Reg. No. 297,975. Registered Oct. 4, 1932. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

DOUBLE
·F·

FOR WHEAT FLOUR.
Claims use since May 4, 1932.

Reg. No. 297,977. Registered Oct. 4, 1932. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

FASTIME

FOR WHEAT FLOUR, BISCUIT FLOUR, PANCAKE FLOUR, MUFFIN FLOUR, AND DOUGHNUT FLOUR.
Claims use since Apr. 21, 1932.

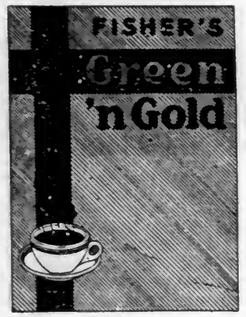
Reg. No. 297,978. Registered Oct. 4, 1932. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

FIRE-CRACKER



FOR WHEAT FLOUR.
Claims use since May 5, 1932.

Reg. No. 298,397. Registered Oct. 25, 1932. THE FISHER BROTHERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The drawing is lined for green and gold.
FOR COFFEE AND TEA.
Claims use since Aug. 10, 1931.

Reg. No. 305,147. Registered Aug. 8, 1933. THE WALL-ROGALSKY MILLING COMPANY, McPherson, Kans., a corporation of Kansas. Republished by registrant.



FOR SELF-RISING FLOUR.
Claims use since Aug. 24, 1932.

Reg. No. 313,361. Registered May 29, 1934. CARTER MACY TEA & COFFEE CO., INC., New York, N. Y. Republished by Carter, Macy Company, Inc., New York, N. Y., a corporation of New York.

"JAYA"

FOR TEA.
Claims use since Jan. 25, 1932.

Reg. No. 321,600. Registered Feb. 5, 1935. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.



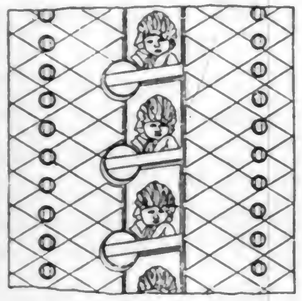
The drawing is lined for the colors red and blue.
FOR CEREAL PRODUCT MADE FROM WHEAT FOR USE AS A BREAKFAST FOOD OR IN THE PREPARATION OF BREAD, MUFFINS, PANCAKES, CRACKERS, BISCUITS, AND THE LIKE.
Claims use since Aug. 4, 1934.

Reg. No. 323,987. Registered May 7, 1935. MYLES SALT CO., LTD., New Orleans, La. Republished by Myles Salt Company Inc., New Orleans, La., a corporation of Louisiana.



The drawing is lined for blue.
FOR TABLE SALT.
Claims use since on or about Sept. 21, 1934.

Reg. No. 325,141. Registered June 11, 1935. THE E. H. KOERSTER BAKERY COMPANY, Baltimore, Md., a corporation of Maryland. Republished by registrant.



FOR RYE BREAD.
Claims use since Apr. 3, 1934.

Reg. No. 331,355. Registered Jan. 7, 1936. TREE-GOLD COOPERATIVE GROWERS OF FLORIDA, Orlando, Fla. Republished by Gentile Bros. Company, Winter Park, Fla., a corporation of Ohio.

RIVER GOLD

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 6, 1935.

Reg. No. 332,146. Registered Feb. 4, 1936. TREE-GOLD COOPERATIVE GROWERS OF FLORIDA, Orlando, Fla. Republished by Gentile Bros. Company, Winter Park, Fla., a corporation of Ohio.

VITA-MOR

FOR FRESH CITRUS FRUITS.
Claims use since June 24, 1935.

Reg. No. 332,840. Registered Feb. 25, 1936. TREE-GOLD COOPERATIVE GROWERS OF FLORIDA, Orlando, Fla. Republished by Gentile Bros. Company, Winter Park, Fla., a corporation of Ohio.

RIVER CHIEF

FOR CITRUS FRUITS, INCLUDING ORANGES, GRAPE-FRUIT, AND TANGERINES.
Claims use since Oct. 15, 1935.

Reg. No. 333,136. Registered Mar. 10, 1936. TREE GOLD COOPERATIVE GROWERS OF FLORIDA, Orlando, Fla. Republished by Gentile Bros. Company, Winter Park, Fla., a corporation of Ohio.

SHOWBOAT



FOR FRESH CITRUS FRUITS.
Claims use since Oct. 4, 1935.

Reg. No. 333,432. Registered Mar. 24, 1936. TREE-GOLD COOPERATIVE GROWERS OF FLORIDA, Orlando, Fla. Republished by Gentile Bros. Company, Winter Park, Fla., a corporation of Ohio.

SWISS BOY

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 25, 1933.

Reg. No. 333,959. Registered Apr. 14, 1936. TREE-GOLD COOPERATIVE GROWERS OF FLORIDA, Orlando, Fla. Republished by Gentile Bros. Company, Winter Park, Fla., a corporation of Ohio.

CARAVEL
INDIAN RIVER

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 15, 1935.

Reg. No. 336,899. Registered July 21, 1936. MYLES SALT CO., LTD., New Orleans, La. Republished by Myles Salt Company Inc., New Orleans, La., a corporation of Louisiana.



The representation of the goods is disclaimed.
FOR SALT BLOCK FOR STOCK FEED.
Claims use since on or about Dec. 23, 1935.

Reg. No. 339,335. Registered Oct. 6, 1936. SOUTHERN RICE SALES COMPANY, INC., New York, N. Y. Republished by River Brand Rice Mills, Inc., New York, N. Y., a corporation of Delaware.



The outline of the double triangle and the letters "SRS Co. Inc." are claimed in red, and the numeral "16" and the diamond-shaped border surrounding the lettering are blue.
FOR RICE.
Claims use since June 1929.

Reg. No. 342,860. Registered Feb. 2, 1937. GROCERS BAKING COMPANY, INCORPORATED, Louisville, Ky., a corporation of Kentucky. Republished by registrant.



The words "Honey-Krust" and the representation of the label or wrapper are disclaimed apart from the mark as shown. The drawing is lined for the colors orange and blue.
FOR BREAD.
Claims use since Mar. 18, 1935.

Reg. No. 347,075. Registered June 15, 1937. SOUTHERN RICE SALES CO., INC., New York, N. Y. Republished by River Brand Rice Mills, Inc., New York, N. Y., a corporation of Delaware.

SORICO

FOR RICE.
Claims use since August 1914.

Reg. No. 351,703. Registered Nov. 2, 1937. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

CONAKO

FOR WHEAT FLOUR.
Claims use since June 17, 1937.

Reg. No. 351,704. Registered Nov. 2, 1937. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

CRUSTAKO

FOR WHEAT FLOUR.
Claims use since June 17, 1937.

Reg. No. 351,705. Registered Nov. 2, 1937. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

TOPAKO

FOR WHEAT FLOUR.
Claims use since June 17, 1937.

Reg. No. 363,419. Registered Dec. 27, 1938. CONWAY IMPORT CO., INC., Long Island City, N. Y., a corporation of New York. Republished by registrant.



FOR SALAD OIL, OLIVE OIL, COTTON-SEED OIL USED FOR FOOD PURPOSES, CORN OIL USED FOR FOOD PURPOSES, VEGETABLE SHORTENING, MAYONNAISE, CATSUP, RUSSIAN DRESSING, FRENCH DRESSING, VINEGAR, PICKLES, RELISH CONSISTING OF A MIXTURE OF CHOPPED VEGETABLES, OLIVES, CHOPPED OLIVE MEAT, UNCANDIED FRUIT RIND, FRUIT PRESERVES, JAMS AND JELLIES, MARMALADES, PEANUT BUTTER, HORSE RADISH, MUSTARD, FLAVORING EXTRACTS USED FOR FOOD PURPOSES.
Claims use since 1913.

Reg. No. 365,320. Registered Mar. 7, 1939. RIO GRANDE VALLEY CITRUS GROWERS ASSOCIATION, Mercedes, Tex. Republished by Mercedes Citrus Growers, Mercedes, Tex., a corporation of Texas.

Valley Belle



FOR FRESH CITRUS FRUITS.
Claims use since Feb. 25, 1928.

Reg. No. 369,031. Registered July 11, 1939. THE CHURNGOLD CORPORATION, Cincinnati, Ohio, a corporation of Delaware. Republished by registrant.

Put Sunshine in Every Meal

The drawing is lined for the color yellow.
FOR OLEOMARGARINE.
Claims use since Nov. 15, 1938.

Reg. No. 369,755. Registered Aug. 1, 1939. H. FRANKENTHAL, doing business as Frankenthal Company, Weslaco, Tex., and Sanger, Calif. Republished by Justman-Frankenthal Co., New York, N. Y., a firm.

BAKE-UP

FOR FRESH FRUITS—NAMELY, FRESH GRAPES.
Claims use since July 29, 1938.

Reg. No. 370,586. Registered Aug. 29, 1939. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

GERMAKO

FOR WHEAT PRODUCT—NAMELY, WHEAT FLOUR FORTIFIED WITH WHEAT GERM AND OTHER PORTIONS OF WHEAT.
Claims use since Mar. 10, 1939.

Reg. No. 370,587. Registered Aug. 29, 1939. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

GERMOLOAF

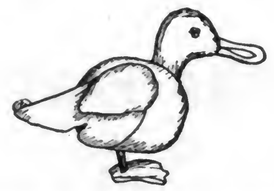
FOR WHEAT PRODUCT—NAMELY, WHEAT FLOUR FORTIFIED WITH WHEAT GERM AND OTHER PORTIONS OF WHEAT.
Claims use since Mar. 17, 1939.

Reg. No. 370,589. Registered Aug. 29, 1939. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

GERMOVIT

FOR WHEAT PRODUCT—NAMELY, WHEAT FLOUR FORTIFIED WITH WHEAT GERM AND OTHER PORTIONS OF WHEAT.
Claims use since Mar. 17, 1939.

Reg. No. 370,712. Registered Sept. 5, 1939. L. F. DRAKE, Mercedes, Tex. Republished by registrant.



FOR CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Jan. 15, 1939.

Reg. No. 372,474. Registered Oct. 31, 1939. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

BESTAKO

FOR WHEAT FLOUR.
Claims use since May 19, 1939.

Reg. No. 372,475. Registered Oct. 31, 1939. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

EMBAKO

FOR WHEAT FLOUR.
Claims use since May 19, 1939.

Reg. No. 372,476. Registered Oct. 31, 1939. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

FINAKO

FOR WHEAT FLOUR.
Claims use since May 19, 1939.

Reg. No. 372,477. Registered Oct. 31, 1939. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

REDAKO

FOR WHEAT FLOUR.
Claims use since May 19, 1939.

Reg. No. 372,478. Registered Oct. 31, 1939. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

SPONGAKO

FOR WHEAT FLOUR.
Claims use since May 19, 1939.

Reg. No. 372,479. Registered Oct. 31, 1939. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

SURAKO

FOR WHEAT FLOUR.
Claims use since May 19, 1939.

Reg. No. 372,480. Registered Oct. 31, 1939. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

WHITAKO

FOR WHEAT FLOUR.
Claims use since May 19, 1939.

Reg. No. 373,535. Registered Dec. 12, 1939. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

GERMAKO

FOR BREAD.
Claims use since Apr. 8, 1939.

Reg. No. 375,796. Registered Feb. 27, 1940. THE CHURNGOLD CORPORATION, Cincinnati, Ohio, a corporation of Delaware. Republished by registrant.

Health Guard

FOR OLEOMARGARINE.
Claims use since Sept. 12, 1939.

Reg. No. 375,941. Registered Mar. 5, 1940. FRUITVALE CANNING COMPANY, Oakland, Calif., a corporation of California. Republished by registrant.

HIT PARADE

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since June 19, 1939.

Reg. No. 375,943. Registered Mar. 5, 1940. FRUITVALE CANNING COMPANY, Oakland, Calif., a corporation of California. Republished by registrant.

Timely

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since July 29, 1939.

Reg. No. 378,491. Registered June 11, 1940. THE CHURN-GOLD CORPORATION, Cincinnati, Ohio, a corporation of Delaware. Republished by registrant.

Guardian

FOR OLEOMARGARINE.
Claims use since Sept. 12, 1939.

Reg. No. 379,168. Registered July 2, 1940. R. C. NICOLL, doing business as Valerie Jean Date Shop, Thermal, Calif. Republished by registrant.

VALERIE JEAN

FOR DATES AND DATE PRODUCTS—NAMELY, DATE CAKE, DATE CANDY, STUFFED DATES, BRANDIED DATES, AND FRESH DATES.
Claims use since June 1929.

Reg. No. 380,683. Registered Aug. 27, 1940. JUSTMAN & Co., INC., El Centro, Calif., and New York, N. Y., assignor to C. S. Justman. Republished by Justman-Frankenthal Co., New York, N. Y., a firm.



FOR FRESH VEGETABLES AND MELONS.
Claims use since July 1937.

Reg. No. 384,775. Registered Feb. 4, 1941. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Hawaii, and San Francisco, Calif., a corporation organized under the laws of the Territory of Hawaii. Republished by registrant.

PINA-PAYA

The word "Pina" is disclaimed apart from the mark as shown.
FOR CANNED FRUIT JUICES FOR FOOD PURPOSES.
Claims use since June 6, 1940.

Reg. No. 386,122. Registered Mar. 25, 1941. CALIFORNIA MARINE CURING & PACKING CO., Terminal Island, Calif., a corporation of California. Republished by registrant.

DIXIE LUCK

FOR CANNED FISH.
Claims use since Oct. 24, 1940.

Reg. No. 386,490. Registered Apr. 15, 1941. ENGEBRETSON-GRUPE CO., Los Angeles, Calif. Republished by K. L. Engebretson, Los Angeles, Calif.

Strongheart

FOR FRESH CITRUS FRUITS AND FRESH VEGETABLES.
Claims use since December 1924.

Reg. No. 387,818. Registered June 3, 1941. FRUITVALE CANNING COMPANY, Oakland, Calif., a corporation of California. Republished by registrant.



The outline of a label is disclaimed apart from the mark as shown.
FOR CANNED FRUITS — NAMELY, APRICOTS, PEACHES, AND PEARS.
Claims use since Aug. 15, 1939.

Reg. No. 388,265. Registered June 17, 1941. FLORY MILLING COMPANY, INC., Bangor, Pa., a corporation of Pennsylvania. Republished by registrant.

GOLDEN EGG

FOR SCRATCH FEED AND LAYING MASH.
Claims use since July 1910.

Reg. No. 389,152. Registered July 29, 1941. H. FRANKENTHAL, doing business as Frankenthal Company, Weslaco, Tex., and Sanger, Calif. Republished by Justman-Frankenthal Co., New York, N. Y., a firm.



FOR FRESH VEGETABLES AND FRESH GRAPES.
Claims use since December 1937.

Reg. No. 394,106. Registered Mar. 17, 1942. FRUITVALE CANNING COMPANY, Oakland, Calif., a corporation of California. Republished by registrant.

CAL-CUP

FOR CANNED FOODS—NAMELY, CANNED FRUITS.
Claims use since Jan. 24, 1940.

Reg. No. 401,792. Registered June 8, 1943. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

CARRYALL

FOR WHEAT FLOUR.
Claims use since Dec. 8, 1942.

Reg. No. 403,647. Registered Oct. 5, 1943. THE SCHUMAN CO., Chicago, Ill., and Lodi, Calif., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.



FOR FRESH VEGETABLES AND GRAPES.
Claims use since Apr. 25, 1941.

Reg. No. 406,853. Registered May 2, 1944. FORT SMITH COTTON OIL CO., Fort Smith, Ark., a partnership. Republished by registrant.

WORK-MOR

FOR HORSE AND MULE FEED.
Claims use since August 1938.

Ser. No. 424,300. Registered Oct. 1, 1946. RICH-LAND CANNING CORPORATION, Friesland, Wis., a corporation of Wisconsin. Republished by registrant.

NEW-TRI-FUL

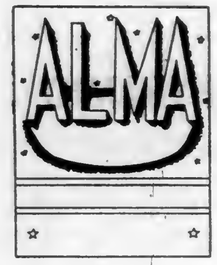
The word "New" is disclaimed apart from the mark as shown.
FOR CANNED PEAS AND CANNED CORN.
Claims use since Sept. 14, 1944.

Reg. No. 426,638. Registered Jan. 7, 1947. THE CHURN-GOLD CORPORATION, Cincinnati, Ohio, a corporation of Delaware. Republished by registrant.

TOWN 'N COUNTRY

FOR SALAD DRESSING.
Claims use since Sept. 19, 1945.

Reg. No. 432,667. Registered Sept. 9, 1947. WILMA MASSERA, Watsonville, Calif. Republished by registrant.



The representation of a label is disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES.
Claims use since Oct. 1, 1942.

Reg. No. 432,811. Registered Sept. 16, 1947. KLINK CITRUS ASSOCIATION, Ivanhoe, Calif., a corporation of California. Republished by registrant.



The word "Brand" is disclaimed apart from the mark as shown.

FOR FRESH CITRUS FRUITS.
Claims use since about 1928.

CLASS 47

WINES

Reg. No. 306,232. Registered Sept. 12, 1933. WILLIAMS & HUMBERT, London, England. Republished by Williams & Humbert Limited, London, England, a limited liability company of Great Britain.

CEDRO

FOR WINES.
Claims use since Apr. 23, 1926.

Reg. No. 306,233. Registered Sept. 12, 1933. ROBERTSON BRO. & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

VALOR

FOR WINES.
Claims use since June 26, 1926.

Reg. No. 306,234. Registered Sept. 12, 1933. ROBERTSON BROS. & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

PYRAMID

FOR WINES.
Claims use since Feb. 19, 1930.

Reg. No. 331,543. Registered Jan. 14, 1936. ROBERTSON BROS. & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

DRY HUMOUR

FOR WINES.
Claims use since Mar. 29, 1933.

Reg. No. 411,886. Registered Feb. 6, 1945. PACIFIC WINES, Los Angeles, Calif., a firm. Republished by registrant.

DO RÉ

FOR WINES.
Claims use since Aug. 17, 1944.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 333,508. Registered Mar. 24, 1936. G. KRUEGER BREWING COMPANY, Newark, N. J., a corporation of Delaware. Republished by registrant.



FOR BEER AND ALE.
Claims use since Sept. 5, 1935.

Reg. No. 408,190. Registered July 25, 1944. G. HEILEMAN BREWING CO., La Crosse, Wis., a corporation of Delaware. Republished by registrant.

"BIG HOMER"

FOR MALT BEER.
Claims use since Jan. 15, 1944.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 40,916. Registered Aug. 11, 1903. PETER DAWSON, Dufftown, Scotland. Republished by Peter Dawson Limited, Glasgow, Scotland, a limited liability company of Great Britain.

OLD CURIO

FOR SCOTCH WHISKY.
Claims use since about Jan. 17, 1896.

Reg. No. 97,218. Registered May 26, 1914. PETER DAWSON, LTD., Dufftown and Glasgow, Scotland. Republished by Peter Dawson Limited, Glasgow, Scotland, a limited liability company of Great Britain.

CURIO

FOR WHISKY.
Claims use since Jan. 18, 1896.

Reg. No. 97,684. Registered June 16, 1914. PETER DAWSON LIMITED, Dufftown and Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant, present address Glasgow, Scotland.

P. D.

FOR WHISKY.
Claims use since Mar. 1, 1889.

Reg. No. 300,774. Registered Feb. 7, 1933. JOHN DEWAR & SONS LIMITED, Perth, Scotland, and London, England, a limited liability company of Great Britain. Republished by registrant.

The Victoria Vat
The very finest Old Scotch Whisky
John Dewar & Sons Ltd
Distillers Perth, Scotland
London

No claim is made to any of the matter appearing on the drawing with exception of the words "The Victoria Vat."

FOR WHISKY.
Claims use since 1897.

Reg. No. 304,971. Registered July 25, 1933. SCOTIA DISTILLERS LIMITED, Glasgow, Scotland. Republished by Scotia Distillers Limited (1937), Dumbarton, Scotland, a corporation of Great Britain.



FOR WHISKY.
Claims use since Dec. 5, 1928.

Reg. No. 316,670. Registered Sept. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

ROYAL PLUME

FOR WHISKEY.
Claims use since May 3, 1934.

Reg. No. 316,805. Registered Sept. 4, 1934. THE NEW TOMATIN DISTILLERS COMPANY LIMITED, Tomatin, Scotland, and London, England. Republished by Tomatin Distillers Co., Ltd., Tomatin, Scotland, and London, England, a corporation organized under the laws of Great Britain.



The words "Fine Old," "Highland Whisky," "Tomatin Distillery, Inverness-Shire," are disclaimed apart from the mark as shown.

FOR WHISKY.
Claims use since Oct. 4, 1933.

Reg. No. 321,136. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

PARK SPRING

FOR WHISKEY.
Claims use since Sept. 7, 1934.

Reg. No. 321,214. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

COBBS CREEK

FOR WHISKEY.
Claims use since Sept. 7, 1934.

Reg. No. 332,808. Registered Feb. 25, 1936. WM. SANDERSON & SON, Leith, Scotland. Republished by William Sanderson & Son Limited, Leith, Edinburgh, Scotland, a limited liability company of Great Britain.

VAT 69

FOR SCOTCH WHISKY.
Claims use since about 1912.

Reg. No. 359,367. Registered Aug. 16, 1938. HAIG & HAIG LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

HAIG & HAIG

FOR SCOTCH WHISKY.
Claims use since on or about Feb. 20, 1895.

Reg. No. 363,034. Registered Dec. 13, 1938. HENRY KELLY & SONS, INCORPORATED, New York, N. Y., assignor to Continental Distilling Corporation. Republished by Continental Distilling Corporation, Philadelphia, Pa., a corporation of Delaware.

BALTIMORE BELLE

FOR WHISKEY.
Claims use since Dec. 9, 1935.

Reg. No. 376,064. Registered Mar. 12, 1940. HAIG & HAIG LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

HAIG & HAIG
FIVE STAR

FOR SCOTCH WHISKY.
Claims use since Jan. 20, 1925.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 380,606. Registered Aug. 27, 1940. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.

QUALITY UNICO PRODUCTS

The words "Quality Products" are disclaimed apart from the mark as shown.

FOR FEED BOXES, WATER CUPS, METAL HOG FEEDERS, AND METAL HOG FOUNTS, WATERING TANKS AND TROUGHS, AND BROODERS.
Claims use since Nov. 15, 1939.

Reg. No. 397,333. Registered Sept. 1, 1942. ELECTROGRAPHIC CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

ORIGITONE

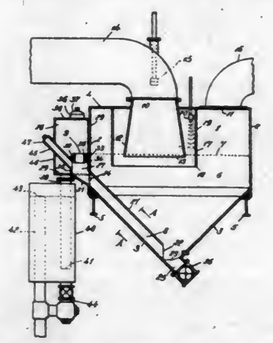
FOR THIN METALLIC PRINTING PLATES SECURED TO CURVED RIGID BASES.
Claims use since Nov. 19, 1941.

REISSUES

NOVEMBER 9, 1948

23,048
WASH BOX
Olav M. Tweit, Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation, a corporation of New York
Original No. 2,373,519, dated April 10, 1945, Serial No. 339,300, June 7, 1940. Application for reissue June 29, 1948, Serial No. 35,909
10 Claims. (Cl. 261—8)

1. A washbox for gas generators comprising a receptacle having a gas inlet, a gas outlet and a conical bottom, sealing means in the receptacle to prevent passage of gas from the gas outlet to the gas inlet, means for supplying liquid to said washbox to wash gas flowing therethrough and remove tar and suspended material from said gas, the wash liquid and tar thus removed collecting in said receptacle, means for maintaining the level of liquid in said receptacle comprising a pressure-equalizing chamber communicating with said receptacle above the level of liquid therein and a discharge conduit with its inlet adjacent the apex of the conical bottom of the receptacle to receive said wash liquid and tarry matter and with its outlet opening in said pressure-equalizing chamber at a level corresponding to the liquid level in the receptacle, and a pipe communicating with the conduit below the level of liquid therein and having its upper end above the level of the liquid, the pipe and conduit being



constructed and arranged so that a tool may be introduced through the pipe to clean the conduit and the apex of the conical bottom of the receptacle.

PATENTS

GRANTED NOVEMBER 9, 1948

2,453,108
CARBOHYDRATE-BORIC ACID SALTS OF AMINO AROMATIC BASES
David Curtis, New York, N. Y.
No Drawing. Application July 13, 1945, Serial No. 604,975
9 Claims. (Cl. 260—209)

1. A salt formed of an amino-aromatic base from the group consisting of alkyl and alkamine esters of an amino-aromatic acid with boric acid, in the presence of an aliphatic polyhydroxy compound selected from the group consisting of erythritol, arabinose, arabitol, glucose, mannose, gulose, galactose, fructose, sorbitol, mannitol, dulcitol, glucoheptose, fructo-heptose, iso-mannide, sorbide, mannide, mannitan, sorbitan and pentaerythritol.

2,453,109
METHOD OF PREPARING FULL-FLAVORED FRUIT JUICE CONCENTRATES
Louis G. MacDowell, Lakeland, and Edwin L. Moore and Cedric D. Atkins, Winter Haven, Fla., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application August 7, 1945, Serial No. 609,473
5 Claims. (Cl. 99—205)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of producing a citrus fruit juice concentrate capable of speedy reconstitution by addition of water to make a cold drink having a substantial portion of the original aroma, flavor and palatability of the citrus fruit, comprising concentrating whole juice of citrus fruit under vacuum to about five- to eight-fold, then diluting the concentrated juice with fresh, unconcentrated, deaerated whole juice of the same citrus fruit to lower the concentration to about three- to four-fold, sealing, and freezing.

2,453,110
ISOMERIZATION OF BICYCLIC SUBSTANCES AND PRODUCTS RESULTING THEREFROM
Joseph P. Bain and Albert H. Best, Jacksonville, Fla., assignors, by mesne assignments, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 9, 1944, Serial No. 525,762
3 Claims. (Cl. 260—632)

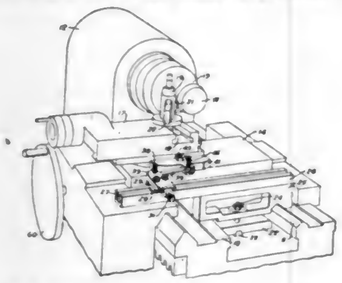
1. An unsaturated acyclic primary alcohol of the empirical formula $C_{11}H_{18}O$ and having the conjugated triene structure of allo-ocimene, approximately the same exaltation, and the following approximate physical characteristics:

B. P. (10 mm.)	°C. 132–134
D^{25}	.9066
N_D^{25}	1.5571

2. The process which comprises subjecting the dicyclic primary alcohol of empirical formula $C_{11}H_{18}O$ formed by the condensation of nopinene with anhydrous formaldehyde to pyrolysis in the vapor phase at temperatures between about 350° C. and 450° C., thereby to produce an unsaturated acyclic primary alcohol fraction having the conjugated triene structure of allo-ocimene and having the following approximate physical properties:

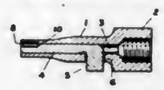
B. P. (10 mm.)	°C. 132–134
D^{25}	.9066
N_D^{25}	1.5571

2,453,111
RADIUS ATTACHMENT FOR LATHES
Allen M. Bell, Jr., Philadelphia County, Pa.
Application November 22, 1946, Serial No. 711,766
2 Claims. (Cl. 82—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



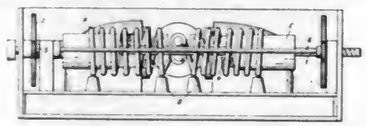
1. In a lathe having the conventional bed provided with elongated ways and the conventional headstock adapted to receive and rotate the workpiece to be turned and the conventional tool-holding post movable manually or mechanically both transversely and longitudinally of said lathe bed, an attachment for cutting a curved surface having a large radius on a workpiece having a small diameter, including, an anchor base having a surface arranged to interfit with the ways of the lathe, an anchor clamp having a surface arranged to fit beneath the ways of the lathe, an anchor clamp bolt arranged for connection with said anchor base and said anchor clamp and adapted to secure said anchor base in a selected fixed position, an anchor bed having a perforation in it and firmly but detachably secured to said anchor base and having an elongated groove therein extending transversely of the bed of the lathe, a clamp bracket having a ridge extending from a surface thereof into the groove in said anchor bed, a bracket securing screw having engagement with said anchor bed and with said clamp bracket so as to secure said clamp bracket in a selected fixed position along said anchor bed, a compound clamp having two perforations in it and a slot in one face thereof so that said compound clamp is adapted to engage with the tool holder of the lathe and to be secured to said tool holder by means of a bolt passing through one of the perforations in said compound clamp, a link having a pair of perforations in it, and a pair of pins passing through the perforations in said link and securing said link to said clamp bracket and to said compound clamp so that said compound clamp turns at the end of said link about the pin in said clamp bracket as a center and thereby moves the tool holder of the lathe in an arc whose radius is the distance between the centers of the pins.

2,453,112
CLAMP
George Bennett, Vallejo, Calif.
Application February 14, 1946, Serial No. 647,644
7 Claims. (Cl. 279—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A stud chuck comprising a generally cylindrical body member, said body member having a concentric bore therein to receive a stud, said chuck having a second cylindrical bore substantially smaller in diameter than said first bore extending longitudinally through the wall of said body member and intersecting said first bore to interrupt a relatively small portion of the circumferential surface thereof, a generally cylindrical pin journalled in said second bore, said pin having a concavity of the same curvature as said first bore and of such size as to bridge the interrupted surface of the first bore, an intersection of the surface of the concavity with the cylindrical surface of said pin forming a detent edge on said pin, an arm fixed to one end of said body member and extending outwardly from a diametral plane thereof, a second arm fixed to said pin and extending outwardly therefrom, a spring interposed between said arms and tending to force them apart and stop means limiting the motion of said second arm.

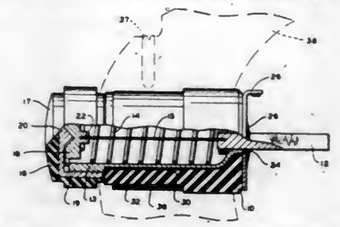
2,453,113
HIGH-FREQUENCY VARIABLE INDUCTANCE
Jack L. Bowers, Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War
Application December 6, 1944, Serial No. 566,935
6 Claims. (Cl. 171—242)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



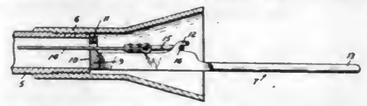
1. A variable inductance for high frequency radio circuits comprising a coil, means for supporting said coil in a fixed position, an electrically conductive slug element movable longitudinally relatively to said coil, means for moving said slug element, a plurality of blocks carried by and extending radially from said slug and provided with yoke receiving sockets, coil engaging and following yokes reciprocable in said sockets and means within said sockets engaging said yokes and yieldingly maintaining the same in operative engagement with the aforesaid coil.

2,453,114
FILTER CONDENSER AND BRUSH HOLDER
Kristian H. Brandt, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War
Application May 16, 1945, Serial No. 594,148
10 Claims. (Cl. 171—324)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A combination of a brush holder and a filter condenser including a metallic casing, a brush slidably mounted within and protruding through and fitting said casing, said brush being electrically connected to said casing, a dielectric sleeve surrounding the outer surface of said casing, and a metallic layer deposited on the outer surface of said dielectric sleeve and capacitatively adjacent to said casing, whereby said metallic casing and said metallic layer form said filter condenser, said layer being adaptable for electrical connection.



2,453,115
STEEL TAPE HOLDER
Carl A. Brown, Aberdeen, Md.
Application February 13, 1945, Serial No. 577,717
3 Claims. (Cl. 33—137)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

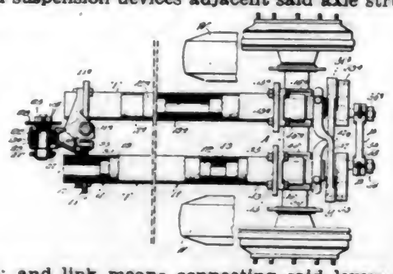


2. A tape holder for use in measuring weapon barrels, comprising a head having an elongated opening therein for receiving an end of a measuring tape, a shank formed integral with and projecting from one side of the head and away from the other end of the tape, the headed end of the holder being adapted to be positioned within a flash holder and with the opposite side of the head bearing against the muzzle end of a barrel to which the flash holder is connected, and means comprising a hook to which one end of the tape is detachably connected formed on said shank and opening away from the head for engaging a loop on the first mentioned end of the tape, for positioning the zero graduation of the tape flush with the last mentioned side of the head and with the muzzle end of the barrel.

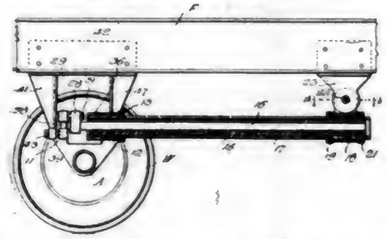
2,453,116
VEHICLE SUSPENSION
Lawrence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application October 28, 1943, Serial No. 508,020
6 Claims. (Cl. 267—21)

1. In a vehicle suspension, a vehicle chassis, an axle assembly adjacent one end of said chassis comprising a transverse axle structure carrying at least one wheel at each end thereof; a pair of torsion suspension devices located in side-by-side relationship and extending substantially longitudinally of said chassis; said suspension devices each comprising a rod member and an enclosing sleeve member resiliently connected together by a sleeve of resilient material; means for connecting one end of one member of each of said suspension devices to said chassis for limited rocking movement about vertical and horizontal axes; means for connecting the opposite end of one member of each of said suspension

devices to said axle structure in such manner as to restrain the latter against rocking or longitudinal translational movements with respect thereto; lever means on one member of each of said suspension devices adjacent said axle structure; and link means connecting said levers to said chassis in such manner that said last-named members are rocked in opposite directions relative to each other in response to the load imposed thereupon by said chassis.



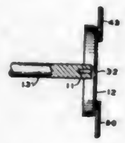
2,453,117
VEHICLE SUSPENSION
Lawrence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application January 4, 1944, Serial No. 516,964
18 Claims. (Cl. 267—21)



1. In a vehicle suspension, a vehicle chassis, an axle assembly beneath said chassis comprising a transverse axle structure carrying at least one wheel at each end thereof; a torsion suspension device extending substantially longitudinally of said chassis; said suspension device comprising a rod member and an enclosing sleeve member resiliently connected together by a sleeve of resilient material; means for connecting one end of said suspension device to said chassis for limited rocking movement about vertical and horizontal axes; means for connecting the other end of said suspension device to said axle structure in such manner as to restrain the latter against longitudinal translational movements with respect thereto; lever means on said members adjacent said axle structure; and link means connecting said lever means to said chassis in such manner that said members tend to rock in opposite directions in response to the load imposed thereupon by said chassis.

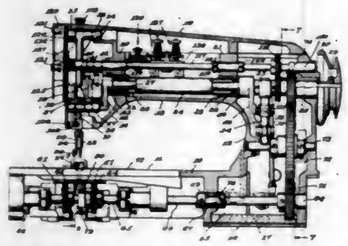
2,453,118
CONCENTRATED ARC DISCHARGE DEVICE
William D. Buckingham and Clarence R. Delbert, Southampton, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 8, 1946, Serial No. 668,092
25 Claims. (Cl. 250—27.5)

1. A cathode structure for use in an arc discharge device, comprising means for causing the device to operate with an arc of high current density concentrated in a spot adjacent to a restricted active surface area of the cathode and to prevent wander of the arc over the cathode surface, said means comprising a cathode body substantially composed of a material having good electrical conductivity and high melting and volatilization point temperatures, said cathode body having a large mass and high thermal conductivity to prevent it from becoming heated to the stage where it is thermionically emissive to a substantial extent when the discharge device



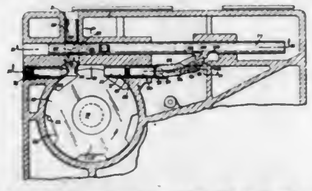
is in operation, and a core embedded in the cathode body, said core having an exposed portion integrally bonded to the cathode body and defining said restricted active surface area, said core at the active surface area being substantially composed of a coalescent mass of a high melting point material having an electronic emissivity at the operating temperature of the arc discharge device to provide a copious supply of electrons due to thermionic emission and field emission mechanism when the device is in operation to support the arc discharge.

2,453,119
SEWING MACHINE
Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application March 15, 1945, Serial No. 582,876
8 Claims. (Cl. 112—248)



1. In a sewing machine having a work support, a vertical standard and an overhanging arm projecting from said standard and extending over said work support, the combination of stitch forming means including a reciprocable and swingable thread carrying needle and cooperating vertical axis hook, means for driving said switch forming means including a shaft in said work support, a shaft in said overhanging arm and gear connections between said shafts within said standard, rotary take-up means mounted adjacent said reciprocable needle and including a rotary member and a slotted thread engaging element extending laterally from said member and carried through an orbital path upon rotation thereof, a single shaft within said overhanging arm for rotating said take-up means, and gear connections in said vertical standard for driving said single shaft from one of said first mentioned shafts, said take-up means imparting the sole take-up action to said needle thread.

2,453,120
LOCATING AND LOCKING MECHANISM FOR MACHINE-TOOL TURRETS
Myron S. Curtis, Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application June 27, 1944, Serial No. 542,290
9 Claims. (Cl. 29—50)



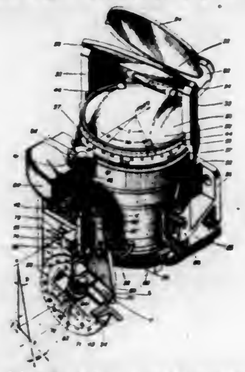
1. In a machine tool or the like, the combination of a frame, an indexible turret member rotatably supported by said frame and having a plurality of circularly spaced abutments each corresponding with an indexed position of the turret member, means for indexing said turret member, a locking member movably supported by said frame and adapted to engage one of said abutments for each indexed position of said turret member, a stationary stop member in alignment with said locking member, a locating member supported by said frame for movement transversely of the path of movement of said locking member and adapted to be interposed between said stop member and said one abutment for each indexed position of said turret member, means for clamping said turret member to said frame, power means for actuating said indexing means, locking member, locating member and clamping means in timed relation to each other whereby said turret member is successively unclamped, unlocked, indexed, located and locked in indexed position and then reclamped.

2,453,121
GAS PORTING DEVICE FOR SHOTGUNS
Richard M. Cutts, The Plains, Va., assignor of one-half to Dorothea Lane Cutts, The Plains, Va.
Application April 20, 1945, Serial No. 589,315
4 Claims. (Cl. 89—14)



1. In combination with a shotgun barrel through which shot as well as powder and shot wads are projected by the gases of explosion of a powder charge, a chamber mounted on the muzzle of the barrel for receiving the gases of explosion as well as the projected shot, said chamber comprising a hollow cylindrical casing having its axis concentric with the axis of the barrel, the inner diameter of said casing being greater than the bore of the barrel, said casing thereby forming a chamber space to permit expansion of the gases therein, the wall of said casing having longitudinally spaced apertures to release a portion of the expanded gases of explosion laterally of the casing, said wall also provided with a plurality of separated substantially similar annular, radially inwardly extending ribs providing a projectile opening in each rib, said ribs forming separate subdivisions of the expansion chamber, at least one rib disposed between two of said longitudinally spaced wall apertures, and the projectile opening through each rib formed of a diameter such as to provide a substantial gas seal with the projected powder and shot wads as the wads pass the ribs, the rear face of each rib so sloped forwardly and inwardly to said projectile opening as to turn such stray shot, as may impinge thereagainst, inwardly toward the axis of the shot column.

2,453,122
REFLECTOR COLLIMATOR SIGHT FOR TORPEDO EJECTORS
Willis B. Ensinger, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application July 6, 1944, Serial No. 543,739
3 Claims. (Cl. 88—2.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

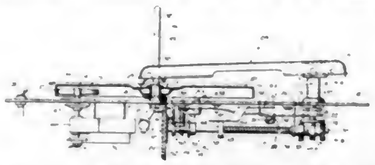


1. A combined sighting and angle solving device for use in aircraft for directing a projectile upon a collision course with respect to a moving target comprising, a sighting device mounted for bodily rotation and having an index thereon, said sighting device having an inclined light reflecting and transmitting plate and means for projecting an illuminated reticle image onto said plate, an angle on the bow ring having a scale graduated to correspond to the angle on the target bow, the graduations being disposed adjacent an index and the ring being rotatable about the axis of the sighting device to bring the graduations adjacent the index, an angle solving mechanism linked to the sighting device and the angle on the bow ring so as relatively to move those parts said angle solver including three extensible links pivoted together at their ends to form a triangle, means for varying the length of the first link in proportion to average torpedo speed, means for varying the length of a second link in proportion to target speed, and means for adjusting the angle opposite the average torpedo speed link to correspond to the angle on the target bow, means for bodily rotating the sight in proportion to the angle between the first and third sides of the triangle, and means for rotating the angle on the bow ring in proportion to the angle between the second and third side of the triangle so as to indicate the required sight angle in order to intercept the target.

2,453,123
INTERMITTENT OPERATING MECHANISM
Joseph Erwood, Crystal Lake, Ill., assignor to The Erwood Co., Crystal Lake, Ill., a corporation of Illinois
Application September 13, 1947, Serial No. 773,829
14 Claims. (Cl. 274—10)

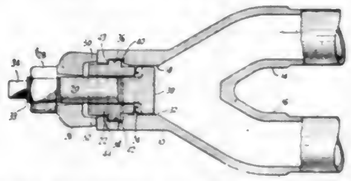
1. Phonographic apparatus comprising a record turntable adapted to be driven, a tone arm,

driving means operatively associated with the turntable and driven thereby, driven means connected on a turnable and axially shiftable shaft in coactive relation with said driving means, means operatively associated with said shaft and said tone arm to raise and lower the same, means operatively associated with said shaft and said



tone arm to move the tone arm laterally away from the turntable and to move the tone arm toward the turntable after it has been moved away from the turntable, and means operatively associated with said shaft for retracting said shaft to disengage said driven means for coactive relation with said driving means.

2,453,124
PRESSURE SEALING DEVICE
James Fletcher, Akron, and Ernest Carl Huge, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application March 21, 1944, Serial No. 527,499
10 Claims. (Cl. 138—95)

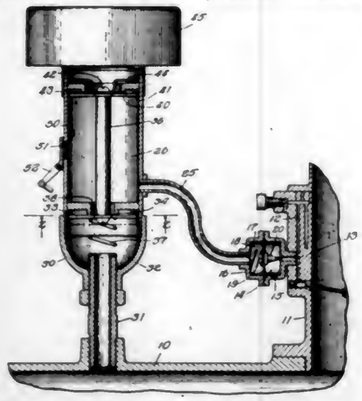


1. In an economizer access fitting, a metallic body normally containing a fluid at high temperature and pressure and presenting an access bore or opening at one side, an easily detachable gland structure normally fixed within said opening, a retainer easily slidable into a bore in the gland structure and having at its inner end an enlarged head disposed within said access bore or opening so as to present a narrow annular sealing opening between the periphery of the head and the wall of the access opening, and a metallic gasket of conoidal shape and having a rim portion normally axially forced into said sealing opening and into pressuretight contact with the peripheral portion of said head and the wall of said access opening.

8. A gasket of thin sheet steel consisting of an elastic resilient ring in the form of a frustum of a conoidal funnel with its larger diameter or portion having a completely circular edge or rim of tapering wall thickness to enter and seal a thin pressure crevice with a wedging sealing action.

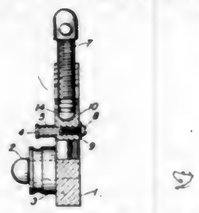
2,453,125
VACUUM BREAKER
Charles R. Flint, La Porte, Ind., assignor to The Deluxe Products Corporation, a corporation of Indiana
Application December 1, 1945, Serial No. 632,158
7 Claims. (Cl. 123—97)

3. Actuating mechanism for the relief of vacuum in the carburetor of an internal combustion engine having an intake manifold comprising a primary vacuum chamber in open communication with the manifold, an opening in said chamber, a closure for said opening, resilient means normally urging said closure against said opening, a secondary vacuum chamber in communication with said primary vacuum chamber through said



opening, a secondary closure providing restricted communication between said secondary vacuum chamber and the atmosphere, said secondary closure being mounted in spaced relationship to the first closure, and a diaphragm valve communicating with said secondary vacuum chamber and said carburetor.

2,453,126
HAND BEADING TOOL
Eudore A. Forcier, United States Navy
Application April 12, 1946, Serial No. 661,637
2 Claims. (Cl. 153—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

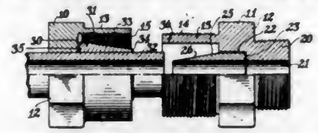


1. A beading tool comprising a housing plate provided with an opening therein, a block slidably mounted in said opening, a pair of grooved anvil rollers mounted on said housing in contiguous relationship and symmetrically disposed with respect to said opening, said rollers extending laterally and unobstructedly from the face of the housing for the reception of work to be beaded, a bead member mounted on said block, and means for urging said bead member into operative relationship with respect to said anvil rollers.

2,453,127
PIPE COUPLING
Stephen Guarnaschelli, New Rochelle, N. Y., assignor to Packless Metal Products Corporation, New Rochelle, N. Y., a corporation of New York
Application November 16, 1945, Serial No. 629,003
4 Claims. (Cl. 285—86)

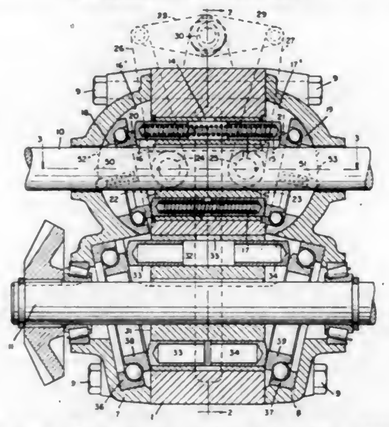
1. A pipe coupling comprising a pair of coupling members, means for connecting said members

and for drawing them toward each other, and oppositely facing wedge-shaped collars carried by said members, one collar having a smaller outside diameter than the inside diameter of the other collar so that the smaller collar can enter the end of a pipe disposed within the larger collar,



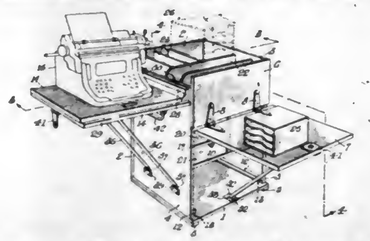
said larger collar being formed of deformable material and said smaller collar being formed of relatively hard material, the member having the smaller collar having a portion extending beyond and encircling said collar for engagement with the outer surface of said other collar when said collars are moved into engagement with said pipe.

2,453,128
TRANSMISSION
Richard W. Hautzenroeder, Mansfield, Ohio
Application February 10, 1945, Serial No. 577,231
4 Claims. (Cl. 103—162)



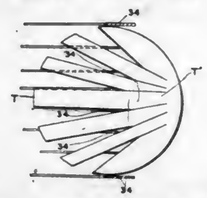
1. In a fluid displacement apparatus having a stator provided with inlet and outlet ports and a rotor in said stator, said rotor provided with a plurality of cylindrical openings extending axially therethrough and arranged in equally spaced relation in an annular area coaxial with said rotor, cylindrical pistons extending into each of said openings from each end thereof, said rotor provided with radially extending passages respectively leading outwardly from each of said openings intermediately of said pistons, and arranged to register with said inlet and outlet ports, an annulus at each end of said rotor arranged to be engaged by the pistons and being tiltable about an axis perpendicular to the rotor axis, said pistons projecting from the adjacent end of said rotor, the piston ends which engage with the annulus being of a convex contour generated by a radius of curvature greater than the piston diameter, and means including bearings in the stator for supporting said annulus for rotation about its axis, with its axis of rotation tiltable at an angle to the axis of the rotor and always intersecting the axis of the rotor rotation in the same plane which joins the center ends of the said radii of the contacting convex ends of the pistons.

2,453,129
OFFICE CABINET HAVING SHELF-FORMING CLOSURES
Ray D. Hinton, Oak Park, Ill.
Application September 5, 1944, Serial No. 552,786
1 Claim. (Cl. 312—161)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A cabinet adapted to enclose office equipment and to be extended to support said office equipment in position for use, said cabinet being substantially rectangular and having four vertical walls, all of said walls of said cabinet being substantially coextensive in height when said cabinet is closed, one of said walls being horizontally divided into a stationary lower portion and an upper portion hinged thereto and adapted to swing outwardly and downwardly to occupy a substantially vertical position, the cabinet having a top wall fixed to the outer end of the hinged upper portion of said horizontally divided wall whereby it may assume a horizontal position to form an outwardly extending shelf, the next adjacent right angularly extending wall being horizontally divided into a stationary upper portion and a lower portion hinged thereto and adapted for upward swinging movement into a horizontal position to form a second outwardly extending shelf, the bottom of said cabinet being connected to the lower edges of all but said second-named wall, and means for supporting both of said shelves in their outwardly extending positions, the horizontal position occupied by said first-named outwardly extending shelf being substantially lower than the top of the cabinet and the horizontal position occupied by said second-named outwardly extending shelf being substantially lower than that of said first-named outwardly extending shelf.

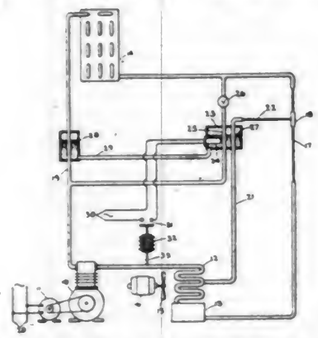
2,453,130
FREEZING HIGH LIQUID CONTENT FRUITS AND VEGETABLES
Albert F. Hoffman, East Orange, N. J.
Application April 28, 1945, Serial No. 590,936
9 Claims. (Cl. 99—193)



1. A method of quick-freezing an edible article of the class of vegetables and fruits, which comprises cutting the article into a plurality of slices connected at one edge, spreading said slices apart to expose their cut surfaces, and subjecting the cut surfaces of said slices to a refrigerating means maintained at quick-freezing temperature.

4. An apparatus for quick-freezing an edible article of the class of vegetables and fruits comprising a refrigerating tunnel, a conveyor extending through said tunnel, a plurality of means on said conveyor each adapted to receive an article, a plurality of cutting elements spaced apart transversely, and extending lengthwise of said tunnel adapted to engage each article and cut it into a plurality of slices, means in said tunnel for spreading said slices apart fanwise to expose their cut faces, refrigerating means for chilling a portion of said tunnel to quick-freezing temperature to quick-freeze said slices, and means for pressing said frozen slices together to restore said article substantially to its original shape.

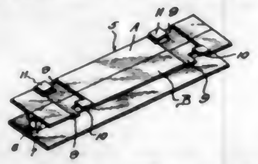
2,453,131
REFRIGERATING SYSTEM
Albert B. Hubbard, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application June 28, 1947, Serial No. 757,888
9 Claims. (Cl. 62—8)



1. A refrigerating system including a compressor and a condenser and an evaporator connected in a closed refrigerant circuit, a flow restricting tube connected in said circuit between said condenser and said evaporator to control the flow of liquid refrigerant to said evaporator, a by-pass conduit connected between said condenser and said tube intermediate the ends of said tube, means providing a closed chamber having a first portion in heat exchange relationship with said by-pass and containing a body of volatile liquid, means for heating said portion of said chamber to vaporize liquid and force liquid out of said portion of said chamber into a second portion thereof, means utilizing refrigerant withdrawn from said evaporator for cooling said second portion of said chamber to condense vapor therein, and means responsive to a condition of operation of said system for energizing said heating means to control the flow of refrigerant through said by-pass for varying the rate of flow of refrigerant to said evaporator.

2,453,132
RAILROAD TIE
Charles C. Jones, Miami, Fla.
Application July 27, 1944, Serial No. 546,795
1 Claim. (Cl. 238—38)

In a metallic railroad tie assembly the combination of rails having a flat base, a pair of channelled rail supporting sections, mounted with their webs back to back, with their rail supporting flanges arranged in the same plane and in a substantially horizontal position, the said rail supporting flanges being provided with a pair of depressions running transversely across them, the depressions of adjacent channelled sections being aligned, and each depression being of the width of the rail base, rail base engaging lugs, cut out of the material of the seat, raised and projecting over the same for holding the rail on its seat, the lugs on each channelled section being raised for engagement of the same side of the



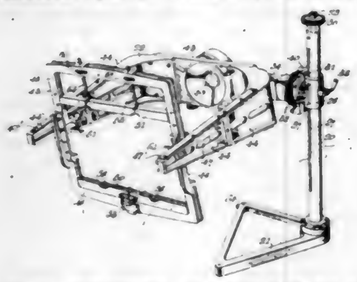
rail bases and the lugs on different sections being raised for engagement of different sides of the rail bases, the webs of the channelled sections being provided with connecting means for preventing the separation of the said sections in the longitudinal direction of the rail, said channel sections, after assembly on the rails, being locked in the transverse direction of the rail by the rail bases seated in the depressions and the rail base engaging lugs.

2,453,133
PAPER BOTTLE TAP
John Paul Jones, Omaha, Nebr., assignor to Dairy Specialties, Inc., a corporation of Nebraska
Application June 11, 1945, Serial No. 598,881
2 Claims. (Cl. 222—81)



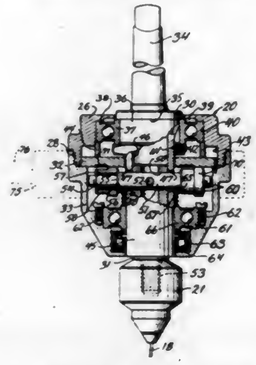
1. A draw-off tap having a gradually pointed extremity with an opposite discharge spout and a passage leading from one side of the extremity to the upper end of the discharge spout, a projection intermediate the ends of the tap for determining the extent of insertion of the pointed extremity and having a diameter equal to the largest diameter of the pointed extremity.

2,453,134
PROJECTION INSTRUMENT FOR RECTIFYING OBLIQUE PHOTOGRAPHS
Nathan H. Juran, Manhattan Beach, Calif.
Application December 27, 1945, Serial No. 637,473
5 Claims. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an instrument for rectifying an oblique photograph, a projector, a film holder associated with the projector, said film holder being provided with slidable stretcher bars having screw operated adjusting means and adapted to retain various sizes of photographs within said film holder and said projector having an optical system having a pin point aperture located at its focal point, the focal point being located at a distance from the film holder in accordance with the focal length of a camera with which the oblique photograph was taken, means for rotating the projector about a horizontal axis and means for rotating the projector about a second axis perpendicular to the first mentioned axis, the intersection of the two axes coinciding with the focal point of the projector.

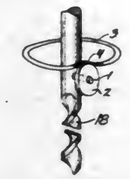
2,453,135
CHIP BREAKING DRILL DEVICE
John W. Karweit, Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application November 20, 1942, Serial No. 466,273
11 Claims. (Cl. 77—5)



1. A combination driller and chip breaker including a non-rotary member, a drive shaft and a driven shaft rotatably mounted with respect to said member and reciprocally mounted with respect to one another, a cam means supported upon said member and having concentric tracks each provided with a single relief therein, a follower means cooperating with said cam means and including a rotor for each cam track, said rotors having raised treads thereon for engaging the cam tracks, said cam means and follower means carrying the axial thrust load between the shafts incurred during the feed traverse thereof, means urging said cam means and follower means in continuous contact with each other, said cam means, follower means and urging means imparting a reciprocation to the driven shaft once each rotation of the driven shaft which reciprocation is accomplished within approximately 60° of rotation, and means upon said driven shaft for supporting a metal cutting drill in work engaging position, said reciprocation comminuting the chips formed by the drill.

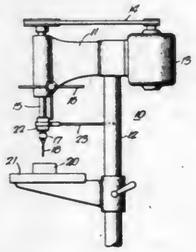
2,453,136
CHIP BREAKING DRILL CHUCK
John W. Karweit, Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application April 26, 1943, Serial No. 484,612
28 Claims. (Cl. 77—5)

1. A device of the class described comprising a rotary drive member, a supporting member, a rotary driven member supported in axially sliding driven relation to the drive member, an oscillator for said driven member including a cam element and a follower element, one of said elements being carried by the driven member, and the other of said elements being carried by the supporting member, and means for holding said supporting



member against rotation, said cam and follower elements cooperating to hold the driven member in relative fixed axial position during the major portion of a revolution and to impart to the driven member an axial oscillation less than .04 of an inch within 90° of a revolution.

2,453,137
METHOD OF DRILLING METAL AND THE LIKE
John W. Karweit, River Grove, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application August 20, 1942, Serial No. 455,417
14 Claims. (Cl. 77—5)

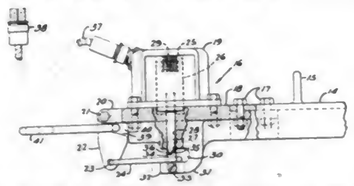


1. The method of comminuting chips formed by a rotary drill that is feed traversed into a work piece which includes the step of retracting the drill from its cutting position far enough to terminate the chip being formed and returning the drill to its cutting position to start another chip at least once every three revolutions of the drill and each time within a minor portion of a revolution of the drill.

2,453,138
PROCESS OF DELEADING GASOLINE
Morris S. Kharasch, Chicago, Ill., assignor to the United States of America as represented by the Secretary of War
No Drawing. Application May 2, 1946, Serial No. 666,805
7 Claims. (Cl. 196—44)

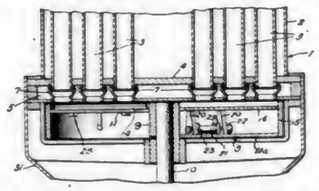
1. The process of deleading gasoline containing tetraethyl lead which comprises adding stannic chloride to the gasoline and then treating the mixture with a tertiary-amine-treated charcoal to adsorb the reaction products and settle out the same.

2,453,139
TOW RELEASE MECHANISM
Henry P. Kleinkort, New Washington, Ohio, assignor to Agatha K. Bremer, New Washington, Ohio
Application June 14, 1946, Serial No. 676,836
4 Claims. (Cl. 280—33.15)



2. In a tow cable releasing mechanism, in combination, a frame, a force reducing lever pivoted at one end on said frame and extending transversely to the line of pull of the tow, a link pivotally attached to the other end of said lever and extending parallel to the line of pull, a freely movable member mounted on said frame for holding that end of said link not attached to said lever and releasable means for holding said member immovable, said frame, said lever and said link defining a space in which a tow cable fitting can be held, such space being located longitudinally along said lever whereby such fitting engages said lever between the points of connection of said lever and said frame and of said lever and said link.

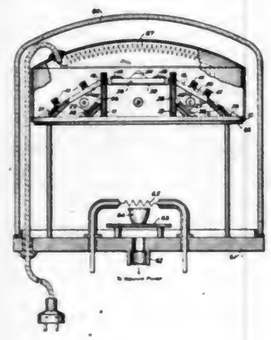
2,453,140
ADJUSTABLE CUTTER FOR TUBE-ICE MACHINES
Benjamin F. Kubaugh, Louisville, Ky., assignor to Henry Vogt Machine Co. Inc., Louisville, Ky., a corporation of Kentucky
Application December 28, 1943, Serial No. 515,955
5 Claims. (Cl. 241—92)



1. Rotary ice cutter for severing the lower end portions of a plurality of freely descendable laterally immovable parallel ice cylinders, comprising a partition having a radial slot and having ice cylinder supporting portions at two levels, terminating in the respective edges of said slot, a knife secured to the higher edge comprising a reversible blade having its opposite edges respectively sharp and blunt, and a handle secured to said blade extending downwardly through an aperture in the portion of said disk at higher level for rotating said blade to bring either of its edges into active position.

2,453,141
HOLDING FIXTURE FOR COATING OPTICAL ELEMENTS
Werner Lange, Forest Hills, N. Y.
Application August 7, 1945, Serial No. 609,471
4 Claims. (Cl. 91—60)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a fixture for holding lenses, prisms or other optical elements during surface coating thereof, the combination of a latticework structure made up of spaced substantially straight support members joined together in the form of a truncated pyramid having an equal number of sides all of similar slope and all joined at their bases by a common circular support member, removable shelving members spanning the spaces between said supports and serving clampably to



hold said lenses and prisms in said latticework structure with the lower surfaces thereof substantially fully exposed from the underside of the latticework, and releasable fastening means for adjustably attaching said shelving members at desired points on said supports whereby to provide the wide variety of spacings needed to hold different sizes and shapes of prisms or lenses in the latticework.

2,453,142
SUGAR-BEARING PRODUCT AND PROCESS OF MAKING
Royal Lee, Milwaukee, Wis., assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis., a corporation of Wisconsin
No Drawing. Application May 12, 1944, Serial No. 535,381
4 Claims. (Cl. 99—206)

1. A dry product comprising the solids of an acid sugar-bearing juice combined with added hemicellulose material and a calcium-bearing phytate.

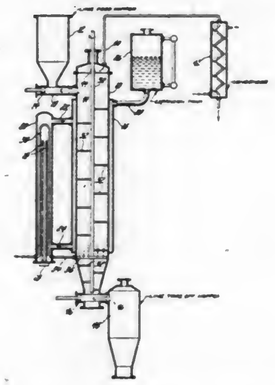
2,453,143
TENNIS BALL
Léon Sylvain Max Lejeune, Paris, France; vested in the Attorney General of the United States
Application November 24, 1941, Serial No. 420,292
In France August 9, 1938
3 Claims. (Cl. 273—61)



1. A tennis ball comprising a hollow body confining air at substantially atmospheric pressure, said body being composed of a pair of hemispherical calottes joined together, each calotte being

shaped out of fabric of uniform linear tensile strength in substantitally all directions and impregnated with rubber, the rubber and the fabric of the calottes being together moulded and vulcanized to define the shape and substance of said hollow body, said hollow body being formed with a perforation closed by a plug, said plug comprising a rubber thread secured in the perforation and a rubber lozenge applied on the outer end of the thread.

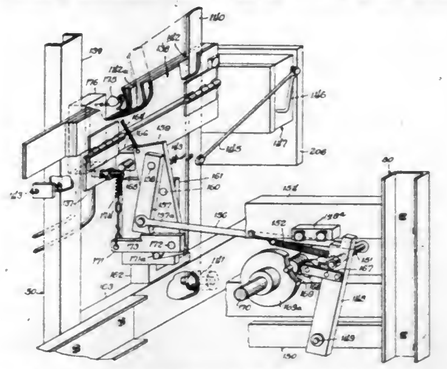
2,453,144
SYNTHESIS OF ORGANIC COMPOUNDS
Wheeler G. Lovell, Maurice J. Mulligan, and Hart K. Lichtenwalner, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 3, 1946, Serial No. 667,018
5 Claims. (Cl. 260—683)



1. A process of producing an olefin which comprises passing a mixture of 2,3-dimethyl-2-butene and an alkyl halide over fresh lime heated to a temperature within the range of approximately 200° C. to 250° C. in an elongated reaction tube at substantially atmospheric pressure until reaction of 2,3-dimethyl-2-butene, alkyl halide and calcium oxide is initiated as indicated by a rise in temperature of the lime mass adjacent the entrance of the mixture of 2,3-dimethyl-2-butene and the alkyl halide, then introducing fresh lime continuously at one end of the reaction tube and continuously feeding the lime through the reaction tube, continuously passing a mixture of 2,3-dimethyl-2-butene and alkyl halide through the reaction tube in a direction opposite to the direction of flow of lime therethrough, and maintaining the reactants at a temperature within the range of about 200° C. to 300° C. as they pass through the reaction zone, said reactants being at substantially atmospheric pressure as they pass through said reaction tube.

2,453,145
WHIP ROLL STOP MOTION
Paul Matweeff, Uncasville, Conn.
Original application September 11, 1946, Serial No. 696,089. Divided and this application July 22, 1947, Serial No. 762,739
8 Claims. (Cl. 139—352)

1. In a whip roll stop motion for a loom, a warp beam, a driving motor, and means responsive to the tension of a sheet of warp passing from said beam effective for disabling the drive of the loom



by said motor responsive to abnormal tension and to subnormal tension of the warp sheet.

2,453,146
PERFLUOROADIPIC ACID
Earl T. McBee, La Fayette, and Park A. Wiseman, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application October 27, 1945, Serial No. 625,108
1 Claim. (Cl. 260—537)

Perfluoroadipic acid, $HOOC-(CF_2)_4-COOH$.

2,453,147
ESTERS OF PERFLUOROADIPIC ACID
Earl T. McBee, La Fayette, and Park A. Wiseman, Muncie, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application July 30, 1946, Serial No. 687,226
4 Claims. (Cl. 260—485)

1. An ester of perfluoroadipic acid, having the general formula

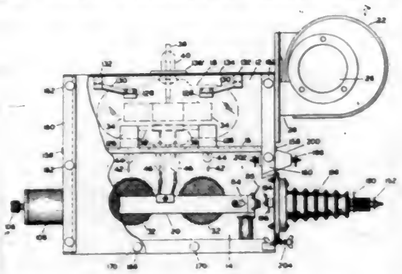
$$ROCO-(CF_2)_4-COOR$$

wherein R is selected from lower-alkyl and lower-alkenyl radicals containing from 1 to 8 carbon atoms, inclusive.

2,453,148
SHIELD BOX AND TUNING MECHANISM FOR ELECTRON TUBES
Fred H. McCall, Neptune, and Peter Devreotes, Eatontown, N. J.
Application July 29, 1943, Serial No. 496,653
16 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

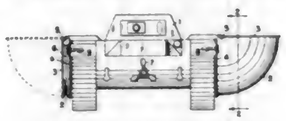
1. A metal shield box for an ultra high frequency oscillator tube, said box being divided into two compartments by a horizontal partition, the top and sides of said box being made of sheet metal into a unitary structure, the ends, bottom and partition of said box being made of sheet metal into a second unitary structure, the top and sides being upwardly slidable to completely open the shield box and thereby expose the tube for replacement, the said sides of said box having horizontally disposed spring strips so positioned as to bear against the side edges of the aforesaid

partition in order to effectively complete the shielding action of the partition, said box having spaced blocks to support the bottom portion of



the tube, the removable top of said box having yieldable means to bear against the top portion of the tube when the box is closed.

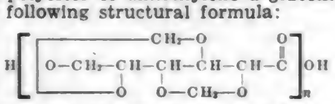
2,453,149
BUOYANT ATTACHMENT FOR STANDARD TANKS
Alan J. McCutchen, Washington, D. C.
Application April 6, 1945, Serial No. 587,001
2 Claims. (Cl. 115—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An amphibious tank vehicle comprising, in combination, an armored tank with operating power means therefor, a vertical side plate fixed on each side of said tank, a corresponding exterior protective armor plate hinged at the top thereof to the top of each said side plate, an inflatable member disposed between each said side plate and the respective said exterior protective plate, said inflatable member being attached to said plates, a source of inflating air pressure in said tank, and means connecting said source in fluid communication through said side plate with the interior of said inflatable member for inflating the latter, said exterior protective plate being automatically movable hingedly toward a substantially horizontal position by inflating said inflatable member.

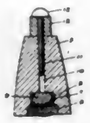
2,453,150
POLYESTERS OF DIMETHYLENE D-GLUCONIC ACID
Charles L. Mehltretter, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application August 12, 1947, Serial No. 768,256
2 Claims. (Cl. 260—338)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A polyester of dimethylene d-gluconic acid of the following structural formula:



in which n is an integer of at least 5.

2,453,151
PROJECTILE
George A. Miller, Jr., Weirsdale, Fla., assignor to the United States of America as represented by the Secretary of War
Application August 18, 1939, Serial No. 290,780
6 Claims. (Cl. 102—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

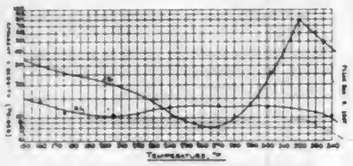


1. In combination with a rotatable projectile including a body and an ignition train having a firing element disposed partially externally of the body, a barrier disposed externally of the body for maintaining said element of the ignition train inoperative, said barrier comprising an alloy fused by heat on discharge of the projectile from a gun to permit the operation of the firing element.

2,453,152
CATALYTIC CONVERSION OF HYDROCARBONS
George Alexander Mills, Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 19, 1944, Serial No. 559,483
6 Claims. (Cl. 196—52)

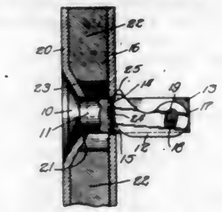
5. The process which comprises cracking normally liquid hydrocarbon material comprising hydrocarbons boiling above gasoline to form substantial amounts of high octane gasoline from said hydrocarbons boiling above gasoline by contacting said hydrocarbon material under cracking conditions with a surface active mass consisting essentially of silica and urania, said mass having been prepared by coprecipitation of colloidal silica and urania in an acid menstruum.

2,453,153
LUBRICATING GREASE
Arnold J. Morway, Clark Township, Union County, and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 6, 1947, Serial No. 790,219
14 Claims. (Cl. 252—29)



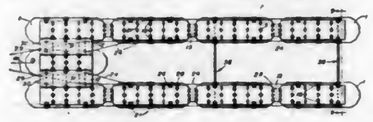
1. A semi-solid to solid lubricating grease comprising lubricating oil with 5 to 20% by weight, based upon the finished composition, of acetylene black incorporated therein, the quantity of acetylene black being sufficient to impart a grease-like consistency and body to said oil.

2,453,154
LOCKING DEVICE
Frederick D. Moyer, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application July 3, 1946, Serial No. 681,261
3 Claims. (Cl. 85—3)



1. A locking device for locking together at least two pieces of material having substantially aligned holes, said device comprising a head portion, a shank, and a locking wedge rotatably mounted at one end on the end of the shank opposite the head, said locking wedge having its free end of arcuate shape and having an outer surface at its free end longer than the diameter of the corresponding hole in one piece of said material with said free end extending across the hole when the wedge is turned back toward the hole, the wedge being insertable through said holes, and the effective length of the shank between the head and the free end of the wedge when the wedge is in said turned-back position being slightly smaller than the distance between the outer surfaces of the material adjacent the holes with which said wedge is to be used.

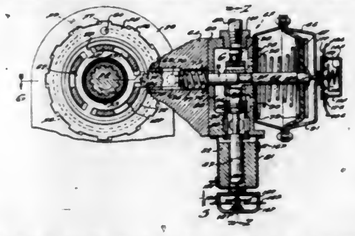
2,453,155
FLOATING DOCK AND WHARF
Homer B. Nelson and Frank J. Walters, United States Navy
Application June 30, 1945, Serial No. 602,646
4 Claims. (Cl. 114—43.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A floating dock comprising pontoons arranged in a substantially U-shaped assembly, connectors on said pontoons, and adjustable tie members between said connectors to connect said pontoons in the desired relationship, a cross tie assembly between pontoons which constitute the legs of the U-shaped assembly and connected to selected connectors, a deck unit on each pontoon, adjustable tie members securing said decks to said connectors, and bridging panels between certain of said pontoon decks.

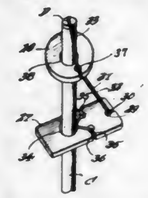
2,453,156
SERVOMOTOR
Carl A. Neracher and William T. Dunn, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 13, 1939, Serial No. 304,060
8 Claims. (Cl. 200—83)

1. A prime mover unit adapted for operating a transmission shift member comprising, a vacuum cylinder having a pressure responsive member therein adapted for connection to said shift member; a control valve operably associated with said cylinder; a source of vacuum connected with said valve; a shiftable valve element in said valve; a solenoid having a plunger connected to said shiftable valve element; said solenoid plunger being



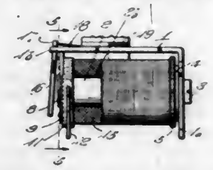
adapted to shift said valve element in response to energization of said solenoid thereby to admit vacuum to said cylinder for shifting said shift member and to have a further range of movement for engaging said shift member thereby to hold it against reverse shift.

2,453,157
CUE TIP CLAMP
Barney R. Nyhagen, New York, N. Y.
Application March 30, 1946, Serial No. 658,537
5 Claims. (Cl. 273—71)



1. In a clamp of the character described, upper and lower members having apertures adapted to receive one end of a cue therethrough for disposing the same thereon in spaced apart relation, an elastic element secured to said lower member and having side leads extending upwardly at one end thereof, and said upper member having guides for receiving said side leads with the upper end of said elastic element trained across the aperture therein for engagement over the tip of the cue and said lower member being adapted to be secured on the cue by the tension of the elastic element functioning to position said member at an angle to the cue with the opposite edge portions of the aperture therein impinged against the cue.

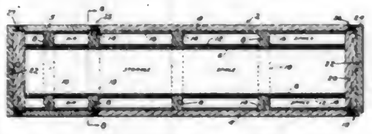
2,453,158
ELECTROMAGNET
Osborne I. Price, Frederick, Md.
Application May 11, 1945, Serial No. 593,116
8 Claims. (Cl. 175—21)



1. A terminal structure for electromagnets comprising in combination a core structure, an

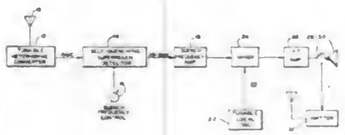
end plate of plastic material on said core structure, arcuate shaped terminal members embedded in said end plate, projections formed on said arcuate shaped terminal members, a winding carried by said core structure, connections from the opposite ends of said winding to an individual one of the projections on said terminal members and terminal lugs formed on the other projections on said terminal members and constituting binding posts for connection through an external electrical circuit.

2,453,159
CONTAINER
Lewis E. Richter, Shumway, Ill.
Application May 10, 1945, Serial No. 592,951
2 Claims. (Cl. 229—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



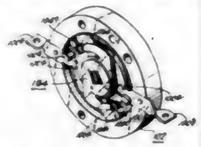
1. A hollow cylindrical container comprising concentric outer and inner side walls with an air space therebetween; a plurality of spaced annular partition and support members arranged in said air space and dividing same into compartments; a cupped end cap secured to each end of said container; seal rings joining said cupped end caps to the ends of said outer side walls, said seal rings having a pair of concentric cylindrical portions connected by a radial web portion and forming a pair of open annular recesses separated by said radial web, for the reception of abutting cylindrical ends of said side walls and cupped end caps; and a plurality of support disks each disposed with its periphery in contact with the innermost of said concentric cylindrical portions.

2,453,160
FIELD INTENSITY METER
Abraham Ringer, Eatontown, N. J., assignor to the United States of America as represented by the Secretary of War
Application October 24, 1945, Serial No. 624,281
6 Claims. (Cl. 250—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



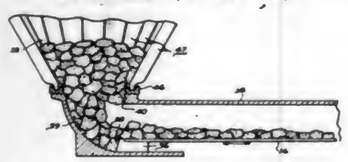
1. A field-intensity indicator for high frequency radio waves comprising a superregenerative detector upon the input circuit of which said waves are impressed, the quenching frequency of said detector varying with variation in amplitude of said radio waves, and frequency indicator means controlled by the output of said detector.

2,453,161
BUTT CONTACT MOUNTING FOR ROTARY SWITCHES
Harold E. Schleicher, West Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn., a corporation of Connecticut
Original application November 26, 1943, Serial No. 511,855. Divided and this application July 28, 1945, Serial No. 607,555
16 Claims. (Cl. 200—6)



1. In a rotary switch, a rotary shaft, a contact unit mounted thereon comprising a rigid contact member having a centrally apertured portion and a contact carrying arm extending radially, said shaft extending freely through said central aperture and having limited rotary motion relative to said rigid member, an anchor member slidably mounted on said shaft but always turning therewith, spring means acting on said rigid contact member and on said anchor member and biasing said contact member but permitting it limited movement relative to said anchor member, and fixed contact means engageable by said movable contact member.

2,453,162
STOKER
Chester E. Shaffer, Arlington, N. J., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa., a corporation of Delaware
Application August 25, 1944, Serial No. 551,084
5 Claims. (Cl. 110—46)

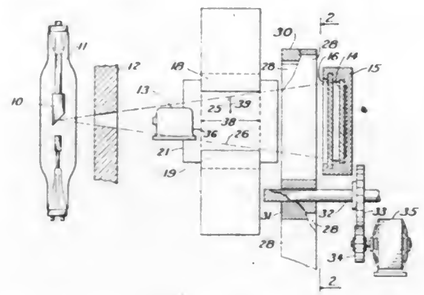


5. In a fuel combustion chamber, the combination of: a grate having an upwardly increasing cross-sectional area determined by spaced bar-like members arranged about a central fuel opening at the base of the said grate; a protruding ledge cutting off, at the inlet end of the fuel opening, a portion of the area of the said central fuel opening; a feed plunger and means to reciprocate the plunger to force fuel above the said ledge and to raise and sharply to drop a fuel bed in said grate, thereby causing combustion residues to travel downwardly through fuel interspaces of said fuel bed and also through the spaces between said bar-like members.

2,453,163
X-RAY APPARATUS AND PROCEDURE
William A. Shurcliff, Washington, D. C.
Application December 30, 1944, Serial No. 570,723
16 Claims. (Cl. 250—99)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. In X-ray apparatus, in combination, a source of X-rays of energy greater than 1.0 m. e. v.,

means for registering an image of a subject, produced by X-rays from said source traversing the subject, means for producing a magnetic field across the path of X-rays between said subject and said image-registering means, and a plu-



rality of vanes of X-ray absorbing material disposed substantially parallel with the direction of said X-rays and in spaced relation to each other transversely of said path intermediate the center of said magnetic field and the image-registering means.

2,453,164
PLURAL GRATING SPECTROGRAPH
Polydore F. Swings, Pasadena, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application May 19, 1945, Serial No. 594,656
13 Claims. (Cl. 88—14)

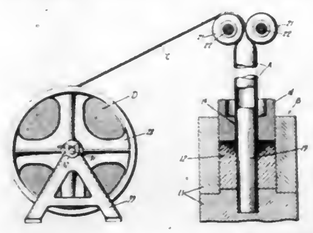


1. A device of the character described, comprising: a source of a beam of radiant energy having divergent rays; means to receive and to transform said beam into a plurality of like parallel beams; a plurality of concave diffraction gratings, all having the same focal length and positioned with a common focal plane, and adapted to receive said parallel beams of radiant energy; and means in said focal plane to receive simultaneously spectra from said gratings.

2,453,165
METHOD OF PREPARING TUBING FOR TRANSPORTATION
Ivan D. Thornburgh, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 3, 1943, Serial No. 512,828
1 Claim. (Cl. 29—156)

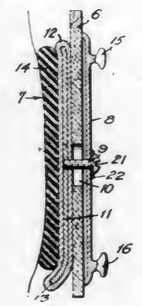
A method of preparing metallic tubing to facilitate transportation and handling prior to the manufacture of tubular metal containers therefrom, comprising first forming by extrusion of metal a continuous cylindrical tube of relatively thin gauge metal and of uniform thickness throughout, compressing the tube into a substantially flat double wall ribbon by the application of exterior pressure on opposite sides of the mov-

ing tube immediately subsequent to the forming operation while maintaining the original uniform thickness of the tube metal and while leaving hollow loop portions at the opposite side edges of the ribbon so that such edges will be free from sharp creases, and thereafter reeling the flat-



tened ribbon into a substantially loose coil of uniform thickness throughout with adjacent loop portions of the flattened ribbon disposed in engagement with one another to provide a loosely compacted unitary coil for shipment and storage capable of being subsequently manufactured into individual tubular sheet metal container bodies.

2,453,166
HOLDER FOR RUPTURE BUTTONS AND THE LIKE
Joshua G. Towns, Grand Junction, Colo.
Application December 27, 1946, Serial No. 718,845
1 Claim. (Cl. 128—95)



A truss comprising an elongated belt section, body encircling straps, plates on the ends of the belt section, securing means between the plates and the adjacent ends of the straps, a pad and securing means between the pad and the corresponding plate, said pad being of sponge rubber, a rigid backing for the sponge rubber pad, a resilient cover for the backing, said pad being adhered to the said covering.

2,453,167
COPOLYMERS OF DIALKENYL ARYLPHOSPHONATES WITH VINYL ACETATE
Arthur Dock Fon Toy, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application December 29, 1945, Serial No. 638,456
18 Claims. (Cl. 154—43)

1. A copolymer of 10 to 99% by volume of vinyl acetate and 90 to 1% of a member of the class consisting of diallyl and dimethallyl arylphosphonates.

2,453,168

COPOLYMERS OF ALKENYL ARYLPHOSPHONATES WITH METHYL METHACRYLATE

Arthur Dock Fon Toy, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois

No Drawing. Application December 29, 1945, Serial No. 638,455
19 Claims. (Cl. 154—43)

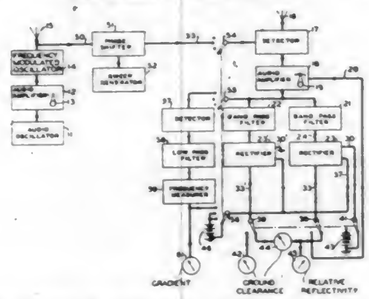
1. A copolymer of 30 to 90% by volume of methyl methacrylate and from 70 to 10% of a member of the class consisting of diallyl and dimethallyl arylphosphonates.

2,453,169

RADIO GROUND CLEARANCE INDICATOR

Russell H. Varian, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application April 10, 1943, Serial No. 482,648
20 Claims. (Cl. 343—14)



14. Distance measuring apparatus comprising means for generating a radio frequency wave, means for frequency modulating said wave at a lower frequency, means for radiating said wave, means for receiving said wave directly and after reflection from an object whose distance is to be measured, means for combining said direct and reflected waves to produce signals having frequencies substantially harmonically related to said lower frequency, and means for indicating said distance as a function of the amplitude ratio of two of said signals.

2,453,170

CONTROL DEVICE AND SYSTEM

Harold Arthur Wheeler, Grand Rapids, Mich., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application June 11, 1945, Serial No. 598,767
28 Claims. (Cl. 123—119)



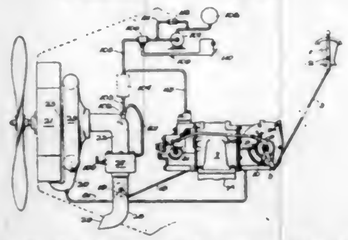
1. A device of the character described, comprising, in combination, condition responsive means for automatically adjusting a control device, a first control member for adjusting the datum of said automatic means in accordance with a first predetermined program, a second control member for adjusting the datum of said automatic means in accordance with a different second predetermined program, and another condition responsive means for selectively placing said first and second control members in and out of operative relation with said automatic means.

2,453,171

CONTROL DEVICE

Harold Arthur Wheeler, Grand Rapids, Mich., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application September 26, 1945, Serial No. 618,742
8 Claims. (Cl. 123—25)



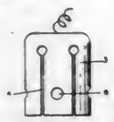
6. In an aircraft internal combustion engine, the combination comprising operable means for injecting a supplemental fluid for suppressing predetonation of said engine, a throttle valve for controlling engine induction pressure, an induction pressure responsive means for automatically adjusting said throttle valve so as to maintain a selected induction pressure, a pilot's control member for adjusting the selected pressure of said automatic means, means operably connecting said control member to said automatic means, a fluid pressure sensitive membrane connected to said connecting means so as to shift the pressure setting range of said first mentioned automatic means from a first to a second predetermined program, and means operably connecting said membrane to the supplemental fluid injecting means so as to cause an increase in said pressure setting in response to operation of the supplemental fluid injecting means.

2,453,172

GRID CAP

Harry Wilkie, Dayton, Ohio

Application July 12, 1944, Serial No. 544,623
1 Claim. (Cl. 173—269)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



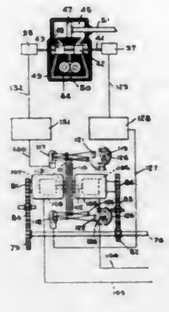
An electrical connecter comprising a pair of cooperating elements of electrically conductive material, one of said elements being a hollow cap having a continuous outer surface open at one end and closed at the other end, the closed end having an externally rounded peripheral edge, and the other element being a hollow clip fitting tightly over said cap, the clip being open at one end and closed at the other end and being formed with a plurality of slits which extend longitudinally from the open end of the clip to adjacent the closed end to form a plurality of separate resilient fingers gripping the cap, said cap having external semi-spherical projections formed adjacent its open end and said clip having apertures in said resilient fingers adjacent the open end of the clip into which the mentioned projections extend to form a releasable interlock of the cap and the clip.

2,453,173

REMOTE CONTROL SYSTEM

Carleton H. Wright, United States Navy, and George A. Chadwick and Paul W. Burk, Washington, D. C.

Application August 25, 1937, Serial No. 160,936
2 Claims. (Cl. 250—41.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A remote control system, comprising two discs mounted to rotate about a common axial line, the periphery of each of said discs being cut away over an angular extent somewhat less than a semicircle, the radii of said cut away portions being equal, the remaining portion of the periphery of one disc being of greater radius than the remaining portion of the periphery of the other disc and having a notch cut in the radial face at each end thereof, the discs being so disposed in their neutral positions that said other disc covers said notches, a source of light disposed adjacent the neutral position of each notch, a respective photoelectric cell disposed adjacent each source but on the opposite side of said discs from the source, rotation of said one disc in either direction exposing a said cell to light from the source adjacent thereto over the periphery of the other disc, and rotation of said other disc in either direction from the neutral position exposing a photoelectric cell to light from the source cooperating therewith through a said notch, and means controlled for operation in opposite directions by the currents from said photoelectric cells.

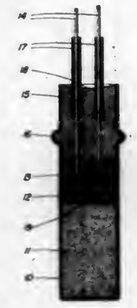
2,453,174

SEALING AND POTTING COMPOSITION CONSISTING OF TRI(P-TERTIARY BUTYL PHENYL) PHOSPHATE AND COUMARONE-INDENE RESIN

Howard Edwards Wright, Jr., Silver Spring, Md.

Application November 15, 1945, Serial No. 628,955
2 Claims. (Cl. 260—30.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A composition for sealing and potting electrical devices which consists of 75 to 99 per cent of tri(p-tertiary-butyl phenyl) phosphate and



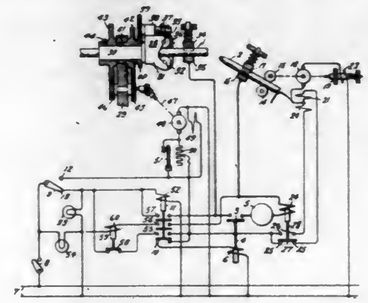
1 to 25 per cent by weight of coumarone-indene resin.

2,453,175

SEARCHLIGHT CONTROL SYSTEM

Donald A. Youngson and Robert E. Matthews, Devon, Conn., assignors to General Electric Company, a corporation of New York

Application September 25, 1946, Serial No. 699,250
7 Claims. (Cl. 314—40)



5. In a light projector including a pair of arcing electrodes, means for connecting said electrodes to a source of high voltage electric current supply, electrode feed control means including an electric motor connected to drive one of said electrodes toward engagement with the other, means for connecting said motor to a source of low voltage electric current supply to energize said motor, and means responsive to engagement of said electrodes for rendering said low voltage connecting means ineffective, thereby to deenergize said motor with said electrodes in engagement.

2,453,176

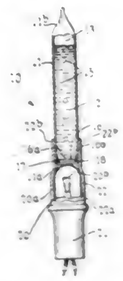
DEVICE PRODUCING ORNAMENTAL BUBBLE EFFECTS AND METHOD

Abraham Abramson, New York, N. Y., assignor to Raylite Electric Corp., Bronx, N. Y., a corporation of New York

Application February 21, 1946, Serial No. 649,157
11 Claims. (Cl. 240—10)

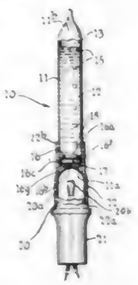
1. In a device of the character described producing ornamental bubble effects, a vertically disposed sealed transparent tube body, a translucent low-temperature boiling liquid column filling a mid-portion of said tube body, a thin sheet material diaphragm immovably positioned in the lower end of said tube body just short of the bottom

thereof to provide a limited space thereat, heated vapors of said liquid column occupying said space at a pressure to retain the liquid column above the diaphragm, and means carried by the dia-



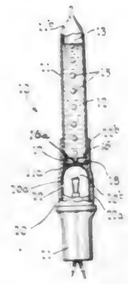
phragm communicating said vapors with the liquid column to permit "flash" expulsion of expanding portions of said vapors as bubbles into the liquid column and to permit seepage from the liquid column into said space.

2,453,177
DEVICE PRODUCING ORNAMENTAL BUBBLE EFFECTS AND METHOD
Abraham Abramson, New York, N. Y., assignor to Raylite Electric Corp., Bronx, N. Y., a corporation of New York
Application February 21, 1946, Serial No. 649,158
14 Claims. (Cl. 240—10)



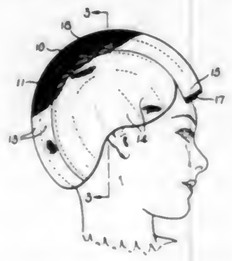
1. In a device of the character described producing ornamental bubble effects, a vertically disposed sealed transparent tube body, a translucent low-temperature boiling liquid column filling a mid-portion of said tube body, thin sheet material spaced apart upper and lower diaphragm layers positioned in the lower end of said tube body with said lower diaphragm layers short of the bottom thereof to provide space for a relatively small quantity of liquid from said column, heated bubble-free vapors of said liquid column substantially filling the tube body between said diaphragm layers for retaining the liquid column above the upper layers diaphragm and said quantity of liquid below the lower diaphragm, and means carried by said diaphragm layers communicating said vapors with the liquid column and said quantity of liquid, above and below said diaphragm layers respectively, to permit "flash" expulsion of expanding portions of said vapors as bubbles into the liquid column through the upper diaphragm layers and to permit seepage from the liquid column through said vapors and into said space to replenish the quantity of liquid therein.

2,453,178
BUBBLE ORNAMENTAL DEVICE AND METHOD
Abraham Abramson, New York, N. Y., assignor to Raylite Electric Corp., Bronx, N. Y., a corporation of New York
Application February 21, 1946, Serial No. 649,159
11 Claims. (Cl. 240—10)



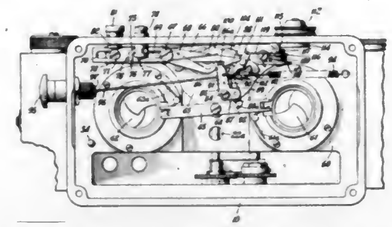
1. In a device of the character described for producing ornamental bubble effects, a column of volatile liquid under reduced atmospheric pressure, means for applying heat externally adjacent the end of said liquid column to a degree just above the normal temperature of said liquid column, a bubble-free vapor pocket of predetermined capacity generated at the heated end of the column, and diaphragm means for separating said pocket from the liquid column end including a nozzle extending into the pocket, said nozzle having a restricted end opening communicating the pocket with said liquid column wherethrough "flash" expulsion and expansion of portions of the vapor pocket as bubbles into the liquid column takes place.

2,453,179
HAIR DRIER
Robert R. Austin, Inglewood, Calif.
Application January 31, 1946, Serial No. 644,551
1 Claim. (Cl. 34—95)



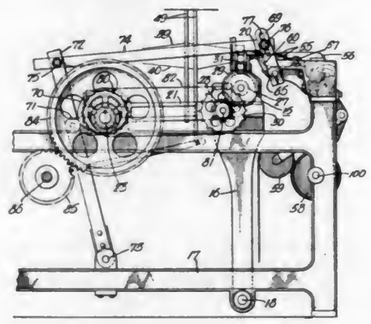
In a hair drier, the combination of a reversible hood shaped to substantially cover the head and confine the hair of the user, said hood comprising two pliant hygroscopic and vapor permeable cover sheets selectively forming the interior and exterior walls of said hood respectively, means to fasten said pliant sheets to each other by rows of stitching which divide the interspace into a number of compartments and an entrance opening communicating with said compartments to afford access to said interspace for the introduction of a vapor adsorbent material between said sheets, and closure means for said opening.

2,453,180
SHUTTER MECHANISM
Albert J. Bachelder, Lexington, and Otto E. Wolff, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application November 9, 1945, Serial No. 627,745
5 Claims. (Cl. 95—18)



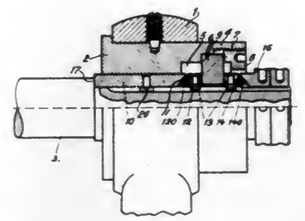
1. In a binocular camera, a pair of spaced shutters normally urged by elastic means to a closed position, a pivoted lever connected to said shutters and capable of rocking movement to open both said shutters simultaneously, actuator means movable in a predetermined path and adapted in said movement first to engage a part arranged to rock said lever and thereby open said shutters and then to release said part permitting said elastic means to close said shutters.

2,453,181
TAPE LOOM
Robert J. Bartholomew, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application November 7, 1947, Serial No. 784,748
8 Claims. (Cl. 139—136)



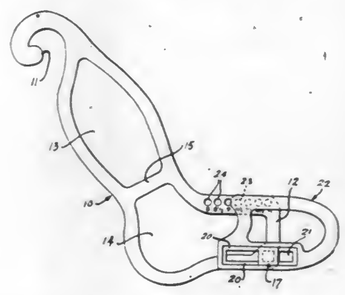
1. In a narrow fabric loom of the type having a frame, a crankshaft journaled on said frame, warp shed forming means on said frame, a batten, means for oscillating said batten, a shuttle operable lengthwise of said batten to place weft threads in open warp sheds formed of threads extending transversely across said batten; the combination of a rack for actuating said shuttle, a cam follower secured to one extremity of the rack, a cam having cam faces engaging the cam follower, a cam actuating sprocket adapted to rotate the cam, an eccentric on the crankshaft, a connecting rod connected to said eccentric for oscillating said batten, an eccentric sprocket on the crankshaft in alignment with the cam actuating sprocket, and a chain for driving the cam actuating sprocket from the crankshaft sprocket.

2,453,182
SPINDLE BEARING FOR MACHINE TOOLS
André Bechler, Moutier, Canton of Berne, Switzerland
Application November 11, 1943, Serial No. 509,908
In Switzerland February 25, 1942
3 Claims. (Cl. 308—161)



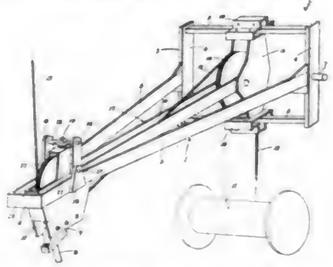
1. In a bearing, a bearing body, a spindle, members fixed to said spindle to rotate with the latter, a stationary bearing ring fixed between said members to said bearing body, washers between said stationary bearing ring and said members, keys for slidably and non-rotatably connecting said washers to said spindle, one end face of each of said washers making contact with said stationary bearing ring, loose rings between and in contact with said washers and said members, at least one of the surfaces of contact between each of said loose rings and said members being spherical.

2,453,183
ADJUSTABLE SOCK STRETCHER
Sidney Bersudsky, Sydney, Nova Scotia, Canada
Application June 16, 1947, Serial No. 754,842
2 Claims. (Cl. 223—77)



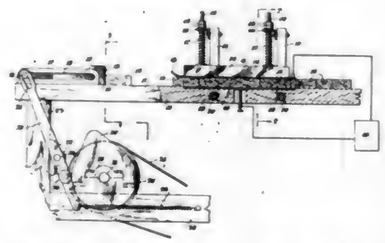
1. A sock stretcher comprising a body having marginal contours simulating the shape of the heel portion and ankle portion of a sock, hook means extending from the body for hanging the same on a line or the like, an adjustable toe portion mountable on the body in slidable relation thereto and locking means designed to lock the toe portion relative to the body in a position of predetermined adjustment, means on the body for indicating the size of sock corresponding to said adjustment, said toe element being slotted, and a mounting lug extending from the body designed for slidable engagement in said slot, a locking stud extending from said toe portion, said body having a plurality of holes designed to receive said locking stud for fixture of said toe portion relative to said body.

2,453,184
CABLE SPOOLING DEVICE FOR WELL DRILLING RIGS
Thomas H. Berry, Modesto, Calif., assignor to Green & Berry, Inc., Modesto, Calif., a corporation of California
Application December 29, 1947, Serial No. 794,390
10 Claims. (Cl. 254—190)



1. A cable spooling device for a well drilling rig having a vertically oscillating walking beam, and a transverse axis winch drum vertically spaced from the walking beam with a cable leading from the drum to and lengthwise of the walking beam, said spooling device comprising a cable guide beam extending lengthwise of the walking beam, elements guiding the cable along the guide beam, and a structure mounting the cable guide beam for shifting motion laterally of the walking beam and in a direction lengthwise of the axis of the winch beam.

2,453,185
APPARATUS FOR EDGE-GLUING STRIP ELEMENTS
Paul H. Bilhuber, Douglas Manor, N. Y., assignor to Steinway & Sons, New York, N. Y., a corporation of New York
Application September 10, 1943, Serial No. 501,792
3 Claims. (Cl. 144—279)

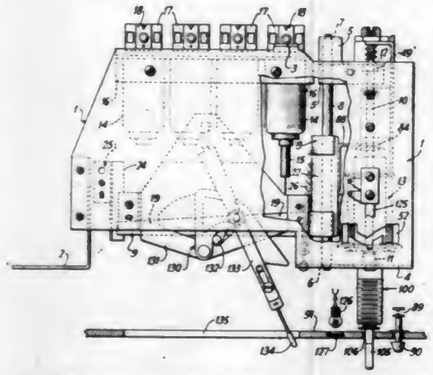


1. Apparatus for continuous-feed, edge-gluing of strip elements comprising in combination a feed-table; a metal electrode in the table top; a flexible metal electrode overlying said table electrode; a framework carried by said table in vertically adjustable relation thereto; a plurality of members individually, independently supporting said flexible electrode from said framework in vertically adjustable relation thereto; spring members for yieldably opposing upward movement of said supporting members; means for advancing said strip elements along said table slidably between and along said electrodes in firm engagement with a preceding element; and, means for establishing a high-frequency electrostatic field between said electrodes.

2,453,186
HOT-WATER TREATMENT OF VINYL RESIN LIGHT-POLARIZING SHEET
Frederick J. Binda, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
No Drawing. Application May 15, 1947, Serial No. 748,337
2 Claims. (Cl. 18—48)

1. In the process of forming a light polarizer comprising a light-transmitting sheet of organic plastic material from the class consisting of polyvinyl alcohols, polyvinyl acetals and polyvinyl ketals, which sheet has been extended to substantially orient the molecules thereof and heated in the presence of an acid accelerator to form therein substantially oriented long straight-chain molecules having extended systems of conjugated double bonds, the further steps of thereafter subjecting said sheet to hot water of a temperature of at least 125° F. while maintaining the sheet in extended condition under tension, whereby the light-polarizing properties of said sheet are improved, drying and cooling said sheet.

2,453,187
RADIO RECEIVER SEQUENCE TUNER
Albert Blain, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 24, 1946, Serial No. 664,475
14 Claims. (Cl. 74—10)



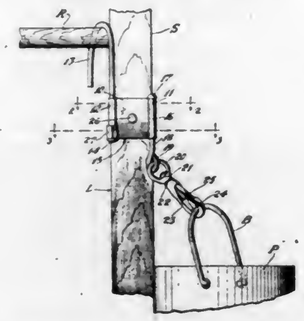
1. The combination, in radio apparatus, of an adjustable tuning element, a rectilinearly movable carrier for said tuning element, a cylindrical turret provided with a plurality of circumferentially arranged stops, individually adjustable in an axial direction each to a position which determines a particular setting to which the tuning element is actuable, said turret being capable of both axial and rotary movements, means operable to move the tuning element carrier to a limiting position and simultaneously to move the turret in an axial direction, means including a cam slot coacting with the turret to convert the axial movement thereof to rotary movement whereupon in response to actuations of the carrier-moving means the turret is rotated step-by-step to successive positions at each of which a stop corresponding to the turret position is made effective, and means operable to move the tuning element carrier from its limiting position to one whereat it coacts with the then effective stop as determined by the turret position whereby the tuning element is adjusted to the setting corresponding to said stop.

2,453,188
METHOD OF MAKING FRICTION ELEMENTS AND BOND THEREFOR
William A. Blume, Farmington, and Ray E. Spokes, Ann Arbor, Mich., assignors to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application June 28, 1943, Serial No. 492,562
3 Claims. (Cl. 106—36)



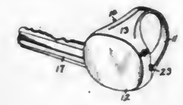
2. A bonding agent for friction elements which is comprised of a solution formed by intimately mixing finely divided sulphur and partially bodied purely heat-polymerized linseed oil, that is, heat-polymerized linseed oil which is substantially free of oxidized oil and which has been heat-polymerized, prior to being mixed with the sulphur, until it is highly viscous and tacky but is substantially free of gel formation and is completely soluable in petroleum thinner, and heating the sulphur-oil mixture thus formed at a temperature of not substantially less than 120° C. nor substantially more than 140° C., for a period of time sufficient to completely dissolve the sulphur in the oil but insufficient to cause any substantial reaction therewith.

2,453,189
POT SUSPENSION DEVICE
Ignatius Bogut, South Orange, N. J.
Application June 21, 1945, Serial No. 600,766
1 Claim. (Cl. 248—211)



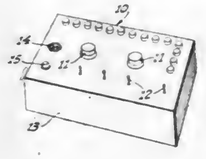
A pot suspension device comprising a plate, parallel spaced bearings formed integral with said plate, a pin rotatably journalled in one of said bearings and adapted to engage and support pot holding means, a hook member rotatably journalled in the other bearing and adapted to engage the rung of a ladder to suspend the pot therefrom, and complementary non-circular keying means in the lower portions of said hook member and last mentioned bearing to key the plate at different positions relative to the hook, to accordingly suspend the pot at different positions relative to the hook.

2,453,190
FINGER RING WITH KEY
Herbert H. Boscowitz, New York, N. Y.
Application March 6, 1946, Serial No. 652,277
11 Claims. (Cl. 63—1)



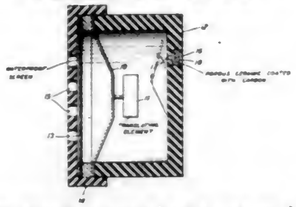
1. In a finger ring, in combination, a ring band having an elongated channel forming a slideway opening at the inner side of said band, a key supported in said slideway and slidable therein for extension into operative position and for retraction into inoperative position, and a holding member movably connected to said key and engageable in one position thereof with the ring to hold the key in retracted inoperative position and engageable in another position thereof with the ring to hold the key in extended operative position.

2,453,191
METER TESTING DEVICE
Arthur E. Booth, Los Angeles, Calif.
Application October 14, 1946, Serial No. 703,119
2 Claims. (Cl. 175—183)



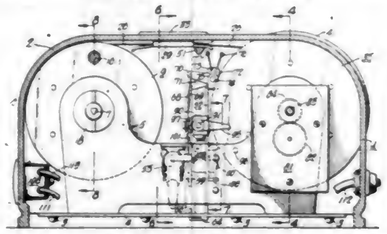
1. A testing device of the type described which includes: a variable transformer adapted to be connected to a source of alternating current; a multiple secondary transformer connected to the output of said variable transformer, said multiple secondary transformer having a relatively high-voltage low-current secondary winding, and a relatively low-voltage high-current secondary winding, the outputs of said secondary windings being controlled by the adjustment of said variable transformer; means connecting said secondary windings to terminals to which electrical apparatus may be connected for testing; a second variable transformer having an input connection, a common input and output connection, and an output connection, adapted to be connected to a source of alternating current so that its output may be controlled independently of the output of said first variable transformer; and means connecting said input, common, and output connections to separate terminals, whereby a power factor meter may be tested by connecting it to said last mentioned terminals and said terminals connected to said low-voltage, high-current secondary winding and varying the controller of said second variable transformer, and whereby a wattmeter may be tested by connecting it to said common and said output connection and to said terminals connected to said low-voltage, high-current secondary winding, and varying the controller of one of said variable transformers.

2,453,192
MOISTURE IMPERVIOUS VENT
Herbert W. Bryant, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 8, 1944, Serial No. 553,174
4 Claims. (Cl. 179—179)



1. In a device comprising a casing having a wall, means in said wall defining a vent pervious to air and substantially impervious to water, said means comprising a porous ceramic body having thereon a firmly adherent, penetrating coating of a material having a contact angle with water of the order of that for pure carbon.

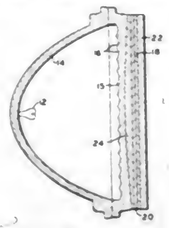
2,453,193
TIME SWITCH
Andrew K. Burns, Narberth, Pa., assignor to Chrontroller Corporation, Newport, N. H.
Application February 15, 1946, Serial No. 647,892
15 Claims. (Cl. 200—38)



1. In a time switch of the character described, a pair of coiled tapes each having time indications marked longitudinally thereon, means to unwind said tapes to preselected positions with reference to the time indications thereon, means opposing unwinding of said tapes and tending continuously to rewind the same, means to control rewind of said tapes from said preselected positions thereof at a predetermined constant speed timed to correspond with the time indications marked thereon, means operable to prevent rewind of one of said tapes until termination of rewind travel of the other of said tapes, a switch arranged to be selectively actuated to on and off positions, means carried by said other tape operable at the termination of rewind travel thereof to actuate said switch to on position thereof and initiate rewind travel of said one tape, and means carried by said one tape operable at the end of rewind travel thereof to actuate said switch to off position thereof.

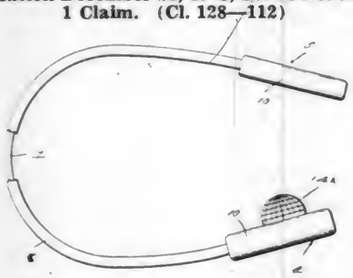
2,453,194
LIGHT POLARIZING HEADLIGHT LAMINATION
Harold O. Buzzell, Wollaston, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application March 7, 1946, Serial No. 652,654
3 Claims. (Cl. 240—9.5)

1. In a light-polarizing automobile headlight wherein a substantially flat, planar lamination of a light-polarizing sheet to an abrasive-resistant cover plate is bonded to the outer surface of a substantially flat lens element so positioned with respect to a filament light source as to subject the adhesive comprising said bond to relatively intense heat when the filament is energized, an



adhesive layer bonding the inner surface of said lamination to the outer surface of said lens, at least one of said surfaces being continuously concave, said adhesive layer being appreciably thicker throughout that portion thereof which overlies the central portion of the lens element than portions adjacent the periphery thereof.

2,453,195
HERNIA TRUSS
Carson R. Carpenter, Charlotte, N. C.
Application December 21, 1943, Serial No. 515,151
1 Claim. (Cl. 128—112)

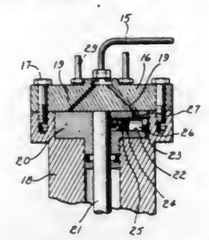


In a hernia truss, a resilient yoke including a substantially T-shaped end portion, a pad mounted on said end portion of the yoke, said pad including a pair of plates secured together with the end portion of the yoke therebetween, said plates having opposed substantially T-shaped grooves extending thereinto from one edge thereof for reception of said end portion of the yoke, screws detachably securing the plates together to positively retain the end portion of the yoke therebetween, and a resilient cover inclosing the pair of plates, said cover having openings therein affording access to the heads of the screws for removal of the latter and disconnection of the plates so as to facilitate forcible separation of the latter and removal of the pad from the end portion of the yoke.

2,453,196
FUEL CONTROL SYSTEM FOR DIESEL ENGINES
Jess H. Clark, Miami, Ariz.
Application August 2, 1946, Serial No. 688,087
3 Claims. (Cl. 123—138)

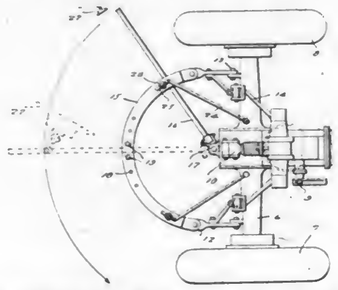
1. A fuel control system for Diesel engines comprising a fuel pipe; means for pumping fuel under pressure through said pipe; a distributing and metering means communicating with said pipe for forming charges of fuel and feeding said

charges to the Diesel engine cylinders in synchronism with engine speed; and means controllable from the engine accelerator for varying the fuel pressure in said pipe; said distributing and metering means comprising an indexing disc, a cylindrical chamber in said disc, a piston reciprocable in said chamber to vary the size of



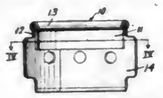
said chamber, a coil spring normally urging said piston outwardly to decrease the size of said chamber, and a passageway leading from said pipe to said chamber whereby when the fuel pressure is varied the pressure on said piston against said spring will vary to vary the size of said chamber.

2,453,197
DISK PLOW ATTACHMENT FOR TRACTORS
Paul H. Clay, Asheville, N. C., assignor of one-third to Charles H. Landers and one-third to Eugene Sluder, Weaverville, N. C.
Application November 9, 1944, Serial No. 562,681
1 Claim. (Cl. 97—47)



The combination with a tractor having a rear axle housing, a power lift mechanism, and a hitch, of a substantially semi-circular frame pivoted at the ends thereof on said housing for vertical swinging movement and connected to said lift mechanism for vertical swinging thereby, an arcuate guard plate fixed on top of said frame and extending along the same in spaced relation therefrom, a plow beam pivoted on said hitch for vertical and lateral swinging movement and extending between the frame and plate to be swung vertically upon vertical swinging of the frame, said beam being freely movable laterally in the space between the frame and plate to be swung laterally under the influence of gravity toward either side of the tractor when said tractor is tilted laterally by inclined ground, and spring-pressed bolts extending downwardly through said guard plate at opposite ends thereof with beveled ends against which said plow beam may move to cam said bolts upwardly, whereby said plow beam may move past the bolts and said bolts snap behind said plow beam to lock the same at either side of the tractor.

2,453,198
BLADE HOLDER
Mitchell S. Corbett, Oak Park, Ill.
Application January 18, 1945, Serial No. 573,440
5 Claims. (Cl. 30—336)



3. A cutting device comprising a longitudinally curved channel member and a resilient blade having one edge held in said member and a parallel cutting edge protruding therefrom, said blade being held in longitudinally curved condition by said member.

2,453,199
ANTIPARAFFIN SUCKER ROD
William R. Crall, Pampa, Tex.; Irma Crall administratrix of said William R. Crall, deceased
Application December 31, 1946, Serial No. 719,442
1 Claim. (Cl. 166—18)

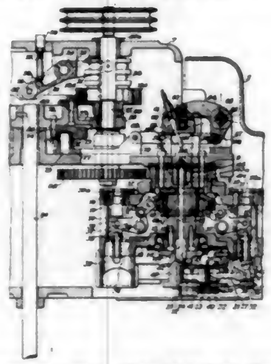


For use in a well tubing, a jointed pump sucker rod reciprocating axially of the well tubing and extending substantially throughout the entire length thereof, a paraffin remover for preventing the deposit of paraffin on the well tubing substantially throughout its length comprising a plurality of spiral strip metal scraper blades each having a width sufficient to bridge the space between the outer periphery of the rod and the inner periphery of the tubing and encircling each length of sucker rod between the joints thereof and being spaced from each other a distance less than the reciprocating stroke of the rod, each blade having a spiral about the rod of substantially 360° only, the spirals of every other blade extending in opposite directions, each blade contacting the well tubing throughout substantially its entire length, each blade adjacent its opposite ends being rigidly secured to the sucker rod length and the intermediate portions of the blades spaced from and being free from attachment to the rod for longitudinal flexing movement with relation to their respective sucker rod lengths.

2,453,200
DOUBLE SEAMER
Edward V. Crane and Karl Kuhn, Brooklyn, N. Y., assignors to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application December 10, 1943, Serial No. 513,710
2 Claims. (Cl. 113—24)

2. A machine of the character described, a revolvable seaming head; an arm having a tubular

hub portion at one end thereof and being attached to said head at the hub portion; a seaming roll carrying mechanism mounted on said arm; and means for actuating said mechanism comprising, a bell crank lever pivotally mounted on said arm adjacent to the hub portion thereof, a second bell crank lever pivotally mounted on said head and having an arm thereof extending



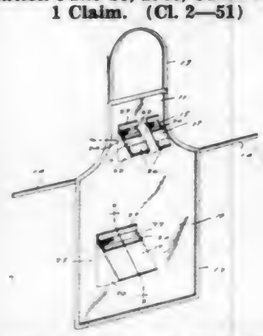
into alignment with the opening through said hub portion, an operative connection between said arm of said second bell crank lever and the first mentioned bell crank lever comprising a compression spring located within said hub, whereby movement of said second bell crank is transmitted to the first mentioned bell crank through said spring and means for rocking said second bell crank lever.

2,453,201
MARKING DEVICE
James S. Cushman, New York, N. Y., assignor to Cushman & Denison Manufacturing Company, Inc., New York, N. Y., a corporation of New York
Application July 14, 1944, Serial No. 544,941
6 Claims. (Cl. 15—134)



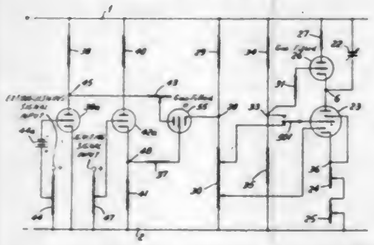
1. A marking device, comprising: a reservoir for receiving a quantity of marking fluid and provided with an elongated cylindrical duct through which said fluid may be withdrawn, a nib element of hard felt through which the marking fluid suffuses by capillarity, said nib element having a terminal marking portion for movement in contact with the surface of an article to be marked and having a rectangular shank disposed in said duct and along which air passes to the reservoir as fluid is withdrawn therefrom, at least a portion of the length of the shank being a duct-engaging portion which has its corners in frictional, slightly-impacted relationship with said duct, thereby providing between the corners of the shank longitudinal lines of superficial contact between the shank and the duct and along which the air passes toward the reservoir.

2,453,202
APRON
Nicholas B. Densmore, Lawrence, Mich.
Application June 28, 1946, Serial No. 680,033
1 Claim. (Cl. 2—51)



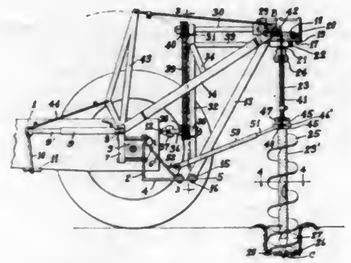
In an apron including a body portion and a bib portion secured thereto, the improvement consisting of providing at least one pocket in the body portion and at least two pockets in the bib portion, the respective pockets being of different sizes, each of said pockets comprising a pair of triangular-shaped spaced side walls arranged at right angles with respect to a face of the apron and secured thereto, the bottom wall extending between the edges of said side walls and secured to the latter, a rectangular-shaped front wall extending across said side walls and secured to said bottom wall and side walls, the top edge of said top wall being spaced from the face of said apron to define a slot for the insertion and withdrawal of articles therethrough, and a pair of spaced parallel rectangular-shaped reinforcing strips arranged on opposed sides of said slot.

2,453,203
VARIABLE FREQUENCY RELAXATION OSCILLATOR
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 19, 1943, Serial No. 491,439
10 Claims. (Cl. 250—36)



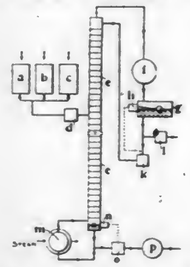
1. In combination, an electrical oscillator circuit including an automatically variable impedance element adjustable in impedance value to determine one or another frequency of the oscillator circuit, and a control circuit including signal responsive means responsive to an electrical signal for automatically adjusting the impedance value of said variable impedance element so as to produce a change in frequency of the oscillator circuit, said control circuit further including electronic discharge means for sustaining the impedance constantly at the adjusted value after the signal has disappeared, and said control circuit being responsive to a later signal to restore the impedance value to its original value so as to return the oscillator circuit to its original frequency but at a phase differing from its previous phase to an extent determined by the interval between the signals.

2,453,204
EARTH BORING MACHINE
Richard H. Dobbs, Atlanta, Kans.
Application October 24, 1946, Serial No. 705,355
1 Claim. (Cl. 255—19)



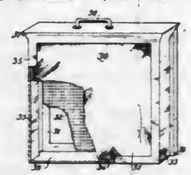
In an auger boring machine comprising a frame consisting of a centrally disposed tube and a pair of braces, said tube and braces extending upwardly and rearwardly of a tractor and having their lower ends secured to the tractor, a U-shaped plate secured to the upper end of the tube, a gear casing mounted upon the U-shaped plate, said casing having spindles extending from its sides to receive the respective upper ends of the braces to stationarily retain the gear casing, bevel gears positioned in said gear casing, a shaft extending downwardly from one bevel gear, an auger driving shaft depending downwardly and universally connected to the lower end of the first said shaft, an auger having a tube to telescopically engage on the driving shaft, said driving shaft being rectangular in cross section to fit in a rectangular opening longitudinally through the tube, a horizontal shaft extending forwardly from the other bevel gear, an upright frame to serve as a bearing for the forward end of the shaft, sprocket and chain means connecting the forward end of last said shaft with a power take-off of said tractor, pulleys mounted on the spindles of the casing, cables engaging over the pulleys and extending downwardly and terminating adjacent the upper end of the auger tube, a plate to which the lower ends of the cables are attached and in which the upper end of the auger tube is rotatably mounted, a pair of telescopically engaging members to retain the last said plate from rotating with the auger tube, and power means on the tractor connected to the other ends of the said cables to raise and lower the auger.

2,453,205
CONTROLLED FRACTIONAL DISTILLATION OF PETROLEUM
Patrick Docksey, Sunbury-on-Thames, England, assignor to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
Application January 26, 1943, Serial No. 473,608
In Great Britain January 28, 1942
1 Claim. (Cl. 196—71)



A process of distillation for the production of closely cut high grade fractions of a petroleum distillate in a fractionating column to yield an overhead product and a bottoms product comprising admitting a stream of the distillate to the column at a determined substantially constant rate by volume, withdrawing a stream of the overhead product from the column, condensing said overhead stream and introduicng the condensate into a reflux drum, withdrawing part of said condensate from the system as product at a substantially constant rate which is a determined substantially constant proportion of the distillate feed rate fixed by the cut point of the distillate as determined by analysis of the distillate from time to time, withdrawing a stream of the bottoms product from the column at such a rate as to maintain a substantially constant liquid level in the column base, maintaining a substantially constant determined vapour loading in the column by control of the heat applied to the column base, and returning another part of the condensate from the reflux drum to the column as reflux at such a rate as to maintain a substantially constant liquid level in the reflux drum.

2,453,206
AIR FILTER
John F. Donat, Euclid, Ohio
Application May 1, 1946, Serial No. 666,345
3 Claims. (Cl. 183—50)



1. In a conduit, an air cleaner, comprising in combination, a sheet metal receptacle member interposed in the conduit, the said receptacle member having spaced wall portions extending crosswise of the aforesaid conduit, an opening in one end thereof and an offset groove in the side wall thereof, and a sheet metal filter member removably mounted in the receptacle member having a coarse screen and a fine mesh mounted on spaced frame portions thereof and a closure portion for the aforesaid opening, the said frame

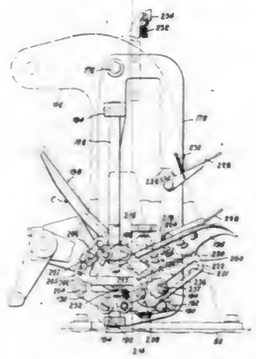
portion being between the said wall portions and the screen and mesh thereon being interposed in the column of air in the aforesaid conduit, the said frame portions including side walls having an offset tongue thereon engageable with the aforesaid offset groove, whereby the filter member can be inserted into the receptacle member in only one position wherein the said screen faces the conduit port and the said mesh faces the conduit vent.

2,453,207
HOLDER FOR WHETSTONES
William D. Dunn, Linden, N. J.
Application January 12, 1948, Serial No. 1,839
9 Claims. (Cl. 51—211)



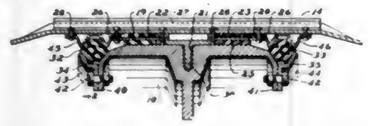
1. A whet stone holder comprising a base; a pair of stone-holding members movably mounted on said base; and at least one convexly curved member carried by said base and underlying a whet stone held in said members and affording a rolling support for said stone.

2,453,208
ADJUSTABLE CHAIR FOR GUNNERS
René E. Duplessis, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application April 13, 1945, Serial No. 588,176. Divided and this application May 20, 1946, Serial No. 670,927
3 Claims. (Cl. 155—5)



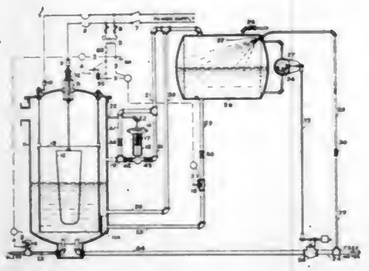
2. The combination with mounting members, of opposite guide-rods thereon, carriers having guide-rolls running upon the rods, a tie-rod connecting the carriers, a chair supported upon the tie-rod, a retaining member movable upon one of the carriers and provided with upper and lower surfaces, and lower and upper latches movable upon one of the mounting members for respective engagement with the surfaces of the retaining member.

2,453,209
DRIVE FOR TRACK-LAYING VEHICLES
Herbert V. Dwight, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 1, 1945, Serial No. 626,010
9 Claims. (Cl. 305—9)



8. A track assembly for a self-laying track type vehicle, said assembly comprising a track, a wheel, said track and wheel comprising opposed V-grooves, and a belt between and unattached to said track and wheel and comprising a pair of outwardly converging and a pair of inwardly converging side faces engageable respectively in the V-groove of said track and the V-groove of said wheel.

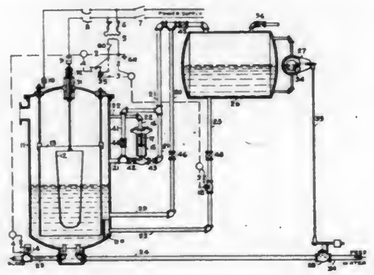
2,453,210
AUTOMATIC MEANS FOR REGULATING ELECTRIC STEAM GENERATORS
Milton Eaton, Shawinigan Falls, Quebec, Canada, assignor to The Shawinigan Water & Power Co., Montreal, Quebec, Canada, a corporation of Quebec
Application May 25, 1945, Serial No. 595,755
In Canada March 24, 1945
8 Claims. (Cl. 219—40)



1. An apparatus for regulating electric boilers of the electrode type to maintain a selected condition constant, comprising the combination of, an electric boiler having at least one electrode therein, a main steam outlet therefrom and a feed water communication thereto, an elevated control pressure-vessel separate from said steam outlet and from said water communication, a water communication between the boiler and the control vessel from locations at least as low as the lowest operating water level in the boiler and in the control vessel respectively and separate from said feed water communication, a control steam bleed communication from the boiler to the control vessel from and to locations at least as high as the highest operating water level in the boiler and in the control vessel respectively, steam dissipating means for dissipating control-vessel-steam, control means for regulating the flow of steam through said control steam bleed communication, control means for regulating said steam-dissipating means, means for measuring the selected condition, one of said control means being responsive to said measuring means, the other control means being adapted to remain in

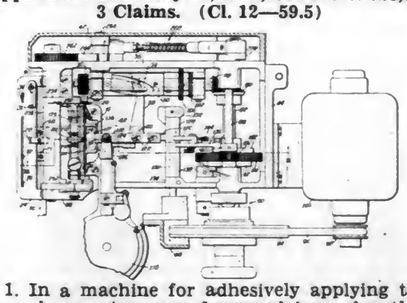
fixed adjustment, an electric power supply for the boiler, a transformer connected with the power supply, an electrode in the water communication between the control tank and the boiler, a current responsive relay connected in series with the electrode in the water communication between the control tank and the boiler and across the secondary leads of the transformer, and a bleed valve connected with the current responsive relay in such a manner that it opens when the relay contacts close and recloses when the relay contacts open.

2,453,211
ELECTRIC STEAM GENERATOR CONTROL
Milton Eaton, Shawinigan Falls, Quebec, Canada, assignor to Shawinigan Water & Power Co., Montreal, Quebec, Canada, a corporation of Quebec
Application April 19, 1947, Serial No. 742,723
14 Claims. (Cl. 219—40)



1. An apparatus for regulating electric boilers of the electrode type to maintain a selected condition constant, comprising the combination of, an electric boiler having at least one electrode therein, a main steam outlet therefrom and a feed water communication thereto, an elevated control pressure-vessel separate from said steam outlet and from said feed water communication, a water communication between the boiler and the control vessel from locations at least as low as the lowest operating water level in the boiler and in the control vessel respectively and separate from said feed water communication, a control steam bleed communication from the boiler to the control vessel from and to locations at least as high as the highest operating water level in the boiler and in the control vessel respectively, steam dissipating means for dissipating control-vessel-steam whereby the pressure in the control vessel is normally maintained lower than that in the boiler, control means for regulating the flow of steam through said control steam bleed communication, means to prevent the steam pressure in the boiler and control vessel respectively being equalized by reverse flow of steam through the steam communication, control means for regulating said steam-dissipating means, means for measuring the selected condition, one of said control means being responsive to said measuring means, the other control means being adapted to remain in fixed adjustment, means for measuring the water level in the control vessel, and controlling means responsive to said water level measuring means for regulating the flow of water through said feed water communication, said water level measuring means and controlling means constituting a liquid level controller.

2,453,212
TAPE APPLYING MACHINE FOR USE IN THE MANUFACTURE OF SHOES
Harry D. Elliott, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 12, 1947, Serial No. 728,039
3 Claims. (Cl. 12—59.5)



1. In a machine for adhesively applying tape to a shoe part, means for supplying a length of tape to a position in a predetermined plane, a work table in a plane inclined to that of the supplied tape, a device for grasping the length of supplied tape, a pivotally mounted carrier upon which said grasping device is pivotally mounted, said carrier being constructed and arranged to swing the grasping device through an arcuate path from a postiion in which it can grasp the length of supplied tape to a position in which it can deliver the length of tape upon a work piece on said work table, and gearing for rotating the grasping device to cause the length of tape to be delivered at an inclination corresponding to that of the work table.

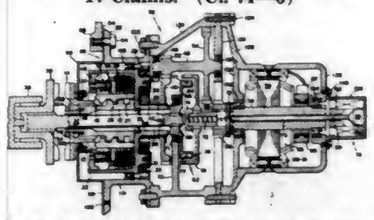
2,453,213
PROCESS OF TREATING LIGNIN RESIDUES
Eduard Farber, Washington, D. C., assignor to Timber Engineering Company, Washington, D. C., a corporation of Delaware
No Drawing. Application May 10, 1945, Serial No. 593,101
15 Claims. (Cl. 260—124)

1. The process of treating the ligninic residue of the hydrolyzation of the carbohydrates of wood, which comprises mixing the residue with alkali in the proportions, by weight, of one hundred (100) parts of the residue to between about twenty (20) and about two hundred (200) parts of the alkali, and heating the mass and maintaining it at a temperature between about 150° C. and not substantially above 250° C., until the residue has substantially resinified.

2,453,214
ETHYL CELLULOSE COMPOSITION
Hans G. Figdor, Philadelphia, Pa., assignor to E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 14, 1945, Serial No. 616,472
13 Claims. (Cl. 106—173)

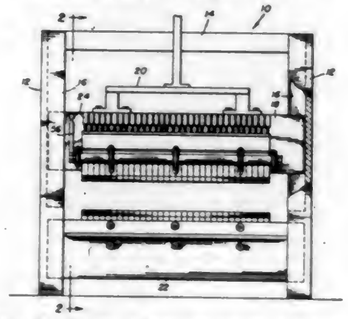
1. A thermoplastic composition comprising ethyl cellulose, mineral oil, and a resin hard and solid at room temperature and compatible with the ethyl cellulose but relatively insoluble in the mineral oil, the relative amounts by weight of the three said ingredients based on the total weight thereof being as follows: ethyl cellulose between about 15% and about 45%, mineral oil in an amount at least equal to the ethyl cellulose but not greater than about 75%, and the hard resin in an amount less than the ethyl cellulose but not less than about 2%.

2,453,215
ENGINE STARTER AND GENERATOR MEANS
Samuel Gilbert, Cedar Grove, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application August 28, 1946, Serial No. 693,591
17 Claims. (Cl. 74—6)



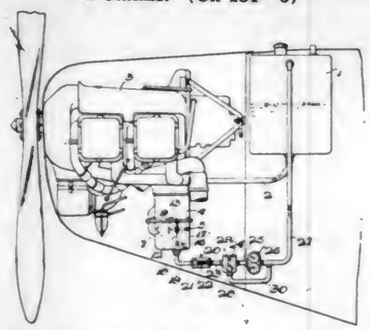
1. In an engine starter, the combination of an assembly comprising an axially stationary rotatable nut, a screw shaft in said nut, a starter jaw member adapted for rotation with and axial movement relative to the screw shaft, a rotatable drum, a disc clutch pack having discs connected to said drum and said nut, respectively, and a non-rotative orbital gear, said assembly forming a single axial opening through its aforesaid elements, planet gears carried by said drum and engaging said orbital gear, a driving shaft extending through said opening and adapted for operation by the engine, a rotatable gear member carrying a sun gear portion around said driving shaft engaging said planet gears, rotatable means carrying a pinion engaging said rotatable gear and having a speed-reducing gear, a dynamo operative as a motor and as a generator and including a hollow armature shaft aligned with said driving shaft and having a transverse slot, centrifugal clutch means having elements carried by said driving shaft and said hollow armature shaft, respectively, a starting pinion rotatable with and axially movable relative to said hollow shaft, means including a meshing rod in said hollow shaft connected through said slot to said starting pinion, means normally biasing said starting pinion away from said reducing gear, and a solenoid in series with said dynamo when operative as a motor and adapted to actuate said meshing rod to engage said starting pinion to said reducing gear.

2,453,216
SHEARING MACHINE
Von B. Graham, Austin, Tex., and Kenneth E. Graham, Bedford, Ind.
Application April 8, 1947, Serial No. 740,106
13 Claims. (Cl. 125—23)



1. In a device for shearing stone, a frame, slide members secured to said frame, blades slidably secured to said slide members, means for resiliently biasing each of said blades, means for locking said blades in predetermined fixed positions, means for actuating said locking means, means for lifting said blades, said lifting means and said locking means including a common cam shaft engageable with said blades.

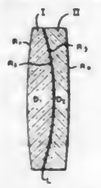
2,453,217
SCAVENGING OIL SYSTEM FOR ENGINES
David Gregg, Caldwell, and Henry Troeger, Ramsey, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 13, 1944, Serial No. 530,880
4 Claims. (Cl. 184—6)



4. A system for returning engine oil to an oil supply tank, whereby foaming of the oil may be eliminated, comprising, in combination, means for collecting oil from the engine, a pump for returning the oil from the collecting means to the supply tank, means for recirculating a portion of said return oil through said pump, a float means responsive to the quantity of oil in said collecting means, a first valve member operated by said float means and arranged to control flow of oil to said pump so as to affect said recirculating means, a second valve member arranged to control flow of oil to said pump, said second valve member opening in response to a suction force exerted by said pump in excess of a predetermined value, means biasing said second valve member in a sense opposing the suction force exerted by said pump, and said biasing means arranged to close said second valve member upon the suction force applied by said pump to said second valve member decreasing below a predetermined value, and one of said valve members directly controlling the flow of oil through said recirculating means to said pump and the other of said valve members directly controlling the flow of oil from said collecting means to said pump so as to prevent said pump from drawing air through said oil collecting means.

2,453,218
IMAGE FORMING OPTICAL LENS SYSTEM ATHERMALIZED FOR FOCAL POINT
David S. Grey, Lexington, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application March 5, 1946, Serial No. 652,063
4 Claims. (Cl. 88—57)

1. An optical system substantially athermalized for focal point, comprising a plurality of optical elements K from K equals 1 to K equals N, at least one of said elements being formed of material relatively highly subject to thermal effects and at least one of said elements being formed of material considerably less subject to thermal effects, said elements having predetermined indices of refraction, dispersion values, radii, thicknesses and focal lengths and being axially aligned at spacings which provide the



F/5 FOCAL LENGTH = 100 MM

LENS	RADIUS	Thickness & Separation	n_D	V
I	R_1 = +88.40	D_1 = .377	1.50825	55.3
	R_2 = -36.06	L_1 = .05		
II	R_3 = -32.08	D_2 = .195	1.59	31
	R_4 = -111.04			

system as a whole with a predetermined power, a correction at least in part of the optical aberrations thereof, and satisfy the condition that each element K has a value for the expression

$$\left[\frac{\theta_1 h_1^2+\theta_2 h_2^2}{V_T}+\left(\frac{h_1}{S_1'}\right)^2 n^2 D_T\left(\frac{t}{n}\right)\right]_K$$

such that the sum of said values approximately equals zero, where R_1 is the radius of the first surface of an element K, that is the surface on the object side of such element; R_2 is the radius of the second surface of an element K, that is the surface on the image side of such element; n and V_T are respectively the index of refraction and the thermal nu value of the material which forms an element K;

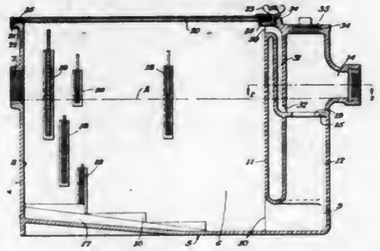
$$D_T\left(\frac{t}{n}\right)$$

is the rate of change with temperature of the ratio of the thickness t of an element K to the index of refraction of the material of such element; S_1' is the image distance from the first surface of an element K; h_1^2 and h_2^2 are the position factors for the first and second surfaces respectively of an element K; and θ_1 and θ_2 are respectively the values

$$\frac{n-1}{R_1} \text{ and } \frac{1-n}{R_2}$$

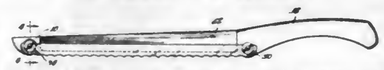
for an element K.

2,453,219
GREASE INTERCEPTOR
Stanley J. Grum, Michigan City, Ind., assignor to Josam Manufacturing Company, Cleveland, Ohio, a corporation of Delaware
Application July 19, 1945, Serial No. 605,945
1 Claim. (Cl. 182—9)



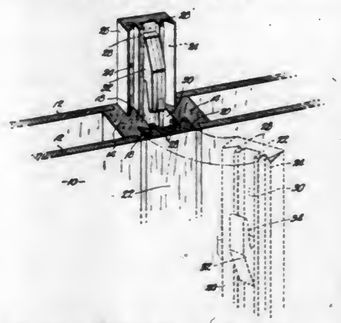
In a grease interceptor, a closed chamber adapted to receive grease-ladened water, said chamber having an outlet comprising a conduit, circular in cross section, leading from adjacent the bottom of the chamber to an opening disposed below the top of the chamber whereby a body of liquid is maintained in the chamber; a ring like formation projecting inwardly from the walls of the conduit below said opening and forming a constriction in said conduit; and means forming an air relief passage interconnecting said chamber and conduit, said passage having its inlet disposed in said chamber above the liquid level therein and its outlet disposed immediately above said ring like member and below said opening.

2,453,220
SLICING KNIFE
Harry M. Gustafson, Chicago, Ill., assignor to Simmons Slicing Knife Company, Chicago, Ill., a corporation of Illinois
Application November 16, 1945, Serial No. 629,116
5 Claims. (Cl. 30—283)



1. A slicing knife comprising an elongated body member, a handle for said body member, a pair of supporting studs carried by said body member at longitudinally spaced points thereon, a sleeve mounted on one of said studs, a plurality of spacing washers, certain of said washers being slidably mounted on said sleeve and others of said washers being slidably mounted on the other stud, a removable knife blade mounted on said studs in spaced relation to said body member and disposed between selected pairs of said spacing washers, said sleeve having an enlarged gripping portion and an eccentric knife-tensioning portion, said knife blade having a recess therein to receive said eccentric portion, and thumb nuts respectively threaded on said studs for squeezing together all said parts mounted on each of said studs thereby to secure said blade under tension.

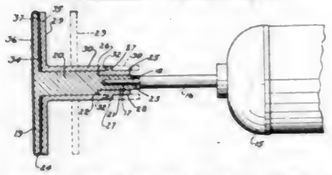
2,453,221
INTERLOCKING BUILDING UNITS
Raymond L. Haden, Kansas City, Mo., assignor, by direct and mesne assignments, of one-half to Emile S. Guignon, Jr., Kansas City, Mo., and one-half to Albert R. Jones, Mission Hills, Kans.
Application July 21, 1944, Serial No. 545,947
1 Claim. (Cl. 20—4)



In a building structure, a plurality of units arranged in edge-to-edge relation to form a wall; longitudinal beads on the abutting edges of the units, said beads being dove-tail in transverse cross section; a pair of spaced-apart studs at the adjacent edges of the units, said studs each being contoured along their inner faces to be complementary in form to the beads; and inter-

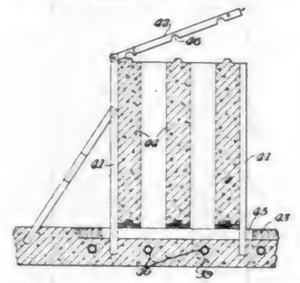
locking elements confined between the said studs and the beads of the adjacent units for drawing the said studs together and into clamping relation with the said beads comprising overlapping fingers integral with each of said studs and arranged in pairs on the inner faces thereof, said fingers having inclined, engageable surfaces the engageable surfaces of the fingers on one stud being inclined downwardly and away from the stud and the engageable surfaces of the fingers on the other stud being inclined upwardly and away from the other stud and being movable to and from each other and to and from the interlocked position upon relative longitudinal shifting of the said studs, said contour of the inner faces of the studs including a pair of spaced longitudinal ribs, said fingers extending from the studs between said ribs, said ribs being interposed between the fingers and proximal faces of the beads for holding the fingers in alignment when the studs are shifted the ribs engaging the fingers and beads.

2,453,222
ROTARY HEAD FOR SANDING MACHINES
Jack C. Hammontree, Rifle, Colo.
Application December 5, 1947, Serial No. 789,921
4 Claims. (Cl. 51—197)



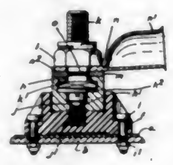
1. A rotary head for sanding machines including a motor having an armature shaft, such head comprising a sanding disc mounted upon the armature shaft for rotation therewith, the sanding disc including a spindle having a screw-threaded extension, a clamping disc slidably mounted upon the spindle and adapted to engage the sanding disc and including a sleeve having an end recess and spiral slot, and a locking sleeve mounted upon the screw-threaded extension and including a part to alternately engage in the end recess and spiral slot.

2,453,223
METHOD FOR MAKING CONCRETE BUILDING UNITS
Albert Henderson, Pittsburgh, Pa., assignor, by mesne assignments, to The Cemenstone Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 1, 1946, Serial No. 700,501
1 Claim. (Cl. 25—154)



In the art of making precast concrete building units, the steps including positioning on a mold an open faced box with a flexible wrapper disposed across an open face of the box, casting a plastic cementitious mix within the box and against said wrapper to form a building unit and when the mix has hardened removing from the mold the assembly of building unit, box and wrapper so that the building unit as cast is already boxed and wrapped adapting it to be transported while protecting against soiling or discoloration the face thereof disposed against the wrapper without necessitating wrapping after casting.

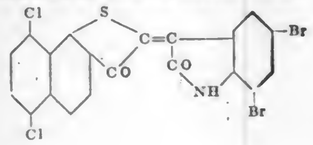
2,453,224
BUS BAR AND CONNECTING LINK FOR USE IN ELECTRICAL WIRING SYSTEMS
Walter Edward Hill, Streetly, and Thomas Daniel Guy Wintle, Walsall, England, assignors to J. A. Crabtree & Co. Ltd., Walsall, England, a company of Great Britain
Application December 12, 1944, Serial No. 567,800
In Great Britain December 16, 1943
1 Claim. (Cl. 174—59)



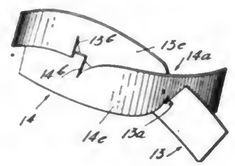
A junction box including an elongated bus bar of conducting material and substantially rectangular transverse cross-section having a longitudinally-extending channel formed along a face thereof and having an undercut longitudinally-extending channel of greater width than said first-mentioned channel and underlying and communicating therewith, a connecting stud of conducting material and having a stem extending through the first-mentioned channel and a head of a width greater than the width of said first-mentioned channel and disposed within and slidable along said last-mentioned channel, said head having a flat side portion engaging a wall defining one side of said last-mentioned channel, whereby said stud is held against axial displacement and is also held against rotation with respect to the bus bar, a conductor surrounding the projecting end of said stud, and means for clamping said conductor on said stud and for maintaining said stud in position on said bus bar.

2,453,225
INDIGOID VAT DYESTUFF
Kurt Hoelzle and Eduard Kambli, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application September 20, 1945, Serial No. 617,696. In Switzerland October 13, 1944
1 Claim. (Cl. 260—322)

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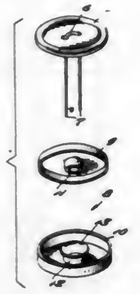


2,453,226
GROUND SUPPORT ANCHOR
John B. Hyde, Great Neck, N. Y.
Application November 19, 1945, Serial No. 629,459
5 Claims. (Cl. 189—29)



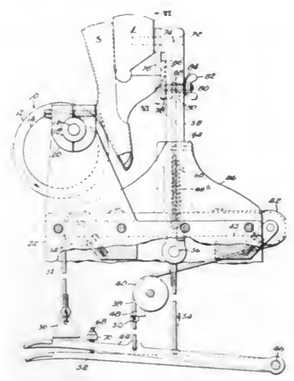
1. An anchoring device to be driven into the ground for the support of a post, comprising the combination of complementary elongated members, each member having a recess extending from each of its longitudinal edges, each recess being disposed at a spacing from the respective opposite lateral ends and with respect to the central portion of the member, said complementary members being locked relative to one another by engagement of the body portions of the members within their respective recesses, there being a loop formed centrally of the body portions of the assembled members and their respective end portions extending in substantially cruciform relationship.

2,453,227
BUTTON STAPLE ANCHOR AND SHIELD
Irene M. Janes, North Arlington, N. J., assignor of one-half to George Martin, East Orange, N. J.
Application September 21, 1946, Serial No. 698,530
5 Claims. (Cl. 24—95)



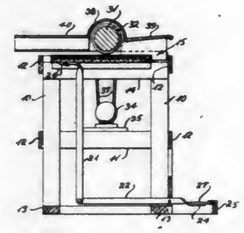
5. As a new article of manufacture a staple-end bending, enclosing, shielding and anchoring device of the class described, comprising a disk-like member provided with an endless marginal flange and provided at its center with a rigidly attached anvil forming cup, said cup including a rim and the lip of said rim being flared outwardly, an inner complemental disk-like member having an annular marginal flange fitting frictionally and telescopically within the confines of the first named flange, the central portion of said second disk-like member having an aperture for passage of staple-ends and a tapering neck in alinement with said aperture, said neck being adapted to be fitted telescopically into the cup, whereby to adapt the neck and cup as means for bending and clinching the staple-ends for secure assembling and anchorage purposes.

2,453,228
RELASTING MACHINE
Charles E. Johnson, Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 11, 1947, Serial No. 779,329
10 Claims. (Cl. 12—15)



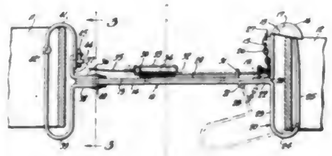
1. In a machine for effecting relative movement between shoe units and lasts, a support for a last, and a friction tool engageable with a shoe unit on the last to move the shoe unit relatively to the last, said tool comprising a driven eccentric roll.

2,453,229
UNHAIRING MACHINE
John T. Kagel, Sr., Jamaica, N. Y.
Application August 16, 1946, Serial No. 691,157
4 Claims. (Cl. 69—26)



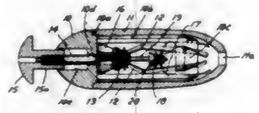
1. A fur refining machine having a main frame including a scraper roller rotatably mounted on top of the main frame and a table top hingedly supported by the main frame underneath the scraper roller, the scraper roller being equipped with a plurality of scraper fins, and means for pivoting the table top upwardly into contact with the scraper fins, said means consisting of a lifting bar fastened to the underside of the table top, and a pedal lever pivotally connected with the lower free end of the lifting bar and pivotally supported intermediate its ends by the main frame, the forward end of the pedal lever having the shape of a pedal, a platform formed on and extending forwardly from the bottom of the main frame, a platform frame surrounding the pedal and a cover hingedly connected with the platform frame and adapted to be arranged over the pedal and cover the same.

2,453,230
TOW BAR CLAMP
Heyman Katz, Asbury Park, N. J.
Application March 26, 1947, Serial No. 737,292
5 Claims. (Cl. 280—33.14)



1. A tow line clamp comprising a rigid member having a swivelly mounted clamping member at one end and a pivoted hook member at the other end thereof, locking means secured to said hook member, a locking member slidably mounted on said rigid member for cooperating with said locking means to hold the hook member in an upright locked position, spring means on said locking member to urge the member outwardly into locking engagement, and a remotely controlled pull member connected to said locking member for retracting same against the action of the spring.

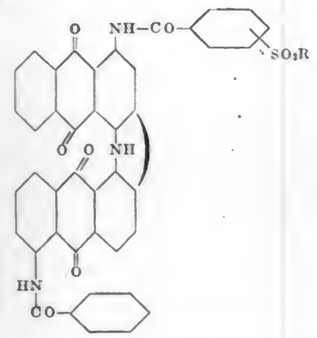
2,453,231
ELECTRICAL SWITCH
Joseph A. Kavanagh, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 9, 1945, Serial No. 609,814
3 Claims. (Cl. 200—16)



2. An electric switch comprising a contact member shaped like a cone and having a locking ridge disposed peripherally of one base of said cone, said contact member being movable along the axis of symmetry of said cone from an open circuit position to a first closed circuit position past an intermediate closed circuit position; a plurality of primary contact elements disposed symmetrically about said axis and engageable by said contact member in said intermedaite position, said ridge engaging said elements in the intermediate position to hold said contact member in the intermediate position; a second conical contact member having a lost motion movement with said first contact member, and secondary contact elements symmetrically disposed to be engaged by said second member when said first member is in the first closed circuit position.

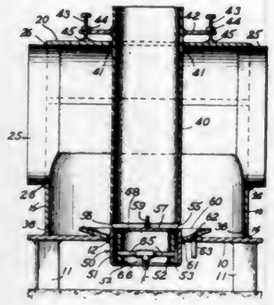
2,453,232
ANTHRIMIDE CARBAZOLE VAT DYESTUFFS
Walter Kern, Sissach, Paul Sutter, Basel, Eduard Moergeli, Neuewelt, near Basel, and Theodor Holbro, Basel, Switzerland, assignors to the Swiss firm of Ciba Limited
No Drawing. Application May 11, 1943, Serial No. 486,582. In Switzerland May 19, 1942
7 Claims. (Cl. 260—316)

3. The anthrimide carbazoles of the general formula



wherein R stands for a hydrocarbon radical containing up to ten carbon atoms.

2,453,233
OIL BURNING TOBACCO CURING STOVE
Ottis Kay Kittrell, Lumberton, N. C.
Application March 4, 1946, Serial No. 651,851
3 Claims. (Cl. 126—93)

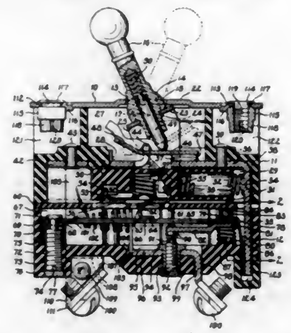


1. In a heating device comprising an oil burner having a central baffle plate and a guide element projecting above said baffle plate, a heater body housing said burner comprising a horizontally disposed hollow drum having flue openings at its ends and an opening in the upper surface thereof for receiving a downdraft pipe, a downdraft pipe extending vertically through said opening in the upper surface of the drum and having its lower end held in operative position by said guide element and overlying the burner but spaced therefrom to permit the outward flow of air from the downdraft pipe to the burner, and means associated with the upper end of the downdraft pipe for adjusting the downdraft pipe axially to vary the spacing of the lower end thereof from said oil burner.

2,453,234
PROCESS FOR THE PREPARATION OF AMINO - CARBOXYLIC - ACIDS FROM LACTAMS
Theodoor Koch, Oosterbeek, Netherlands, assignor, by mesne assignments, to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application July 7, 1947, Serial No. 759,476. In the Netherlands August 14, 1946
8 Claims. (Cl. 260—534)

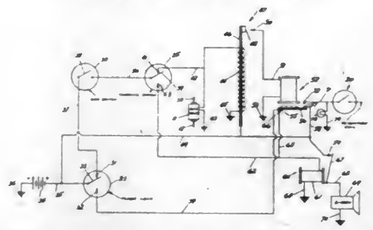
1. A process for the preparation of an amino carboxylic acid from a lactam, comprising hydrolyzing the lactam at a temperature between 150° and 300° C. by means of a hydrolyzing agent consisting essentially of more than 10 mols of water per mol of lactam, and separating the amino carboxylic acid from the hydrolysis products.

2,453,235
NONFREE-TRIPPING OVERLOAD CIRCUIT BREAKER
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 10, 1944, Serial No. 534,907
7 Claims. (Cl. 200—116)



1. In a non-free-tripping electro-thermally responsive overload circuit breaker, in combination, a switch included in the circuit to be controlled, said switch having a single pivoted lever normally operable manually to effect completion or interruption of the controlled circuit at will in the absence of overload conditions, a reciprocable plunger spring-biased to effect circuit interrupting operation of said switch, a bimetallic strip normally included in circuit with said switch, said strip and said plunger having cooperating latch members to restrain said plunger against its bias upon initial closure of said switch, said bimetallic strip being supported at each end against substantial outward longitudinal movement whereby the same is adapted to buckle or bow between said ends as an incident to overload conditions in the controlled circuit, whereby upon attainment of an overload condition of given value said latch members are automatically disengaged to thereby tend to effect interruption of the controlled circuit, said lever being manually operable at will to insure completion of said circuit regardless of said overload conditions, an auxiliary switch associated with said strip and operable automatically thereby during manual maintenance of said circuit under overload conditions, said auxiliary switch comprising a fixed contact, and a substantially rigid sheet metal contactor attached to one end of said strip and adapted upon a given degree of bowing of the latter under overload conditions to engage said contact to thereby effect temporary short-circuiting of said strip whereby the possibility of fusion of the latter is substantially eliminated.

2,453,236
THEFT-PREVENTING LOCKING DEVICE FOR AUTOMOBILES AND THE LIKE
Alexander Lazarus, Rosedale, N. Y.
Application May 23, 1946, Serial No. 671,868
5 Claims. (Cl. 177—314)

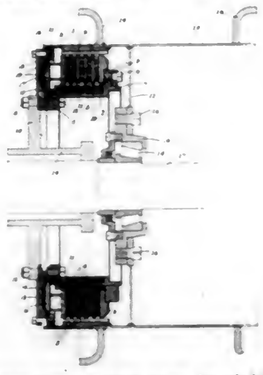


1. In an automotive vehicle having an engine, a liquid fuel supply therefor, and an ignition switch; the combination therewith of an anti theft device, said device comprising an electric circuit including a source of current supply, a two contact foot operated switch normally closed through one of said contacts, a manually operated switch, the said switches being connected in series in said circuit, a fuel valve electrically controlled by said switches, a single pole, single throw, normally open bi-metal strip connected to the source of current supply, a heating coil surrounding the said bi-metal strip and connected in series with said switches, a double pole, single throw, normally open electromagnet adapted to be energized when the bi-metal strip becomes heated in the normal operation of the vehicle to complete a circuit through one set of said poles to the ignition switch, an audible signal device and a single pole, single throw relay connected to the source of current supply normally in open circuit with the audible signal device and adapted to be energized by said double pole, single throw, normally open relay to complete the circuit through the audible signal device when the circuit is broken through the first mentioned foot operated switch contact and completed through the second contact.

2,453,237
MULTIPLE-DISK FRICTION COUPLER
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application August 6, 1946, Serial No. 688,672
4 Claims. (Cl. 188—152)

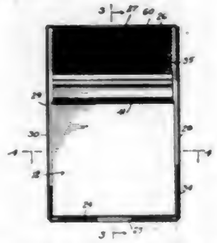
1. A friction coupler comprising an outer drum surrounding an inner drum in spaced concentric relation, the drums being mounted for relative rotation, a series of annular friction discs disposed in face to face relation between the drums, means axially shiftably but relatively non-rotatably connecting alternate discs to the inner and outer drums respectively, a stop at one end of the series of discs, and fluid pressure actuated means disposed to act on said series of discs from the other end whereby to clamp the discs into close frictional contact; said last named means comprising an end ring disposed beyond said other end of the series of discs and fixed in connection with one drum, an annular diaphragm sealed in cooperative pressure chamber forming relation with the face of the end ring adjacent

said series of discs, means adapted to feed fluid pressure into the chamber, an axially movable control ring bearing against the diaphragm on the side adjacent said series of discs, and means



connecting the control ring in rigid relation to the adjacent disc, there being a plurality of sockets formed in said one drum and opening toward the end ring, and compression springs in the sockets bearing against the control ring.

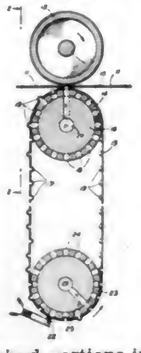
2,453,238
BLADE CONTAINER
Edwin A. Locke, Jr., Quincy, Mass., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 8, 1945, Serial No. 571,761
4 Claims. (Cl. 206—16)



2. A container for razor blades and the like, comprising an outer enclosure having sides, ends, and a cover, each of said ends being apertured, a compartment slidably contained within the enclosure, the cover of the enclosure having a slot communicating with said compartment in all positions thereof and a delivery slot at one end, a plurality of blades positioned beneath the slotted end of said cover adjacent to the end of the enclosure, spring means for so positioning said blades, the said compartment being shorter than the said enclosure and slidable therein and having an extension limiting said sliding movement.

2,453,239
RECORD CONTROLLED DATA STORING DEVICE
Hans P. Luhn, Armonk, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 21, 1945, Serial No. 636,529
7 Claims. (Cl. 200—46)

5. In a machine of the class described, a record card having a column of perforating positions in any of which a perforation may be present, a storage sheet having a column of index positions spaced correspondingly to the perforating position in the card, each index position of the sheet being configured to extend to one side of the plane of the sheet and flexible to spring to the opposite side, means for superimposing the card and sheet with the columns of both coinciding



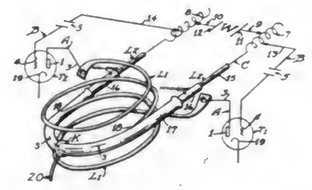
and with the raised portions in the sheet facing away from the card, and means for applying pressure to all the raised portions, said card resisting said pressure at the imperforate portions thereof, said pressure causing the portions of the sheet coinciding with perforations in the card to spring to the opposite side of the sheet and extend into said perforations.

2,453,240
ACOUSTICAL WAVE FILTER FOR PNEUMATIC HAND TOOLS
Gustav V. A. Malmros, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 8, 1946, Serial No. 702,010
1 Claim. (Cl. 181—48)



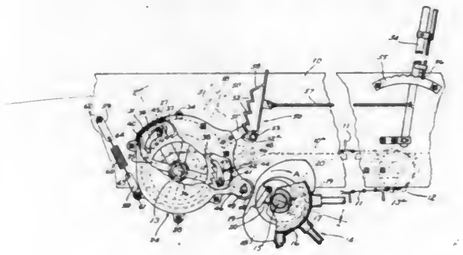
The combination with a pneumatic tool having a substantially cylindrical rotor casing provided with a series of circumferentially spaced exhaust ports therein in the form of elongated helical slots arranged in parallelism, the circumferential component of extent of said helical slots being such that the slots overlap each other, of a wave filter therefor comprising an apron, means for attaching said apron to said casing in fixed relationship thereto, there being a circumferential groove formed internally of said apron in register with all of said exhaust ports and providing in combination with the external surface of the casing an annular expansion chamber, the internal diameter of said apron exclusive of said groove being slightly in excess of the external diameter of the casing and affording a clearance not substantially greater than .001 inch, there being a series of parallel grooves formed internally of the apron and extending in a direction substantially parallel to the axis of said rotor casing and serving to establish communication between said expansion chamber and the atmosphere.

2,453,241
COMPOSITE RADIO FREQUENCY INDUCTANCE
Julius W. Mann and George F. Russell, Tacoma, Wash.
Application July 31, 1944, Serial No. 547,440
4 Claims. (Cl. 175—359)



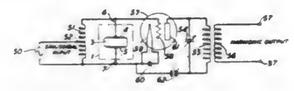
2. In a composite radio frequency inductance, a conduit formed in a coil for carrying radio frequency waves, an insulating sleeve enclosing at least the central portion of the conduit, a second conduit for carrying radio frequency waves and enclosing at least the central portion of the insulating sleeve, and a second coil having its central portion physically connected to the central portion of the second conduit, the first and second coils extending substantially coaxially with each other to equal distances on both sides of the common center point for both coils, the total distance of the coaxial arrangement of the two conduits being less than a major part of their respective total lengths.

2,453,242
SPREADER APRON DRIVE
John L. Marsh, Des Moines, Iowa, assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application October 10, 1946, Serial No. 702,459
9 Claims. (Cl. 74—124)



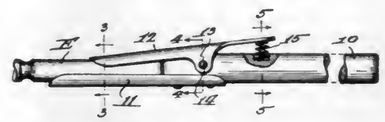
1. In a ratchet drive for a spreader having a body portion, the combination of a driven shaft, a ratchet wheel on the driven shaft, a bearing for said driven shaft supported in stationary relation to said body portion, an arm adjacent said ratchet wheel and supported in stationary relation on said bearing, a stop pawl journaled on said arm and engaged with said ratchet wheel so as to prevent reverse rotation thereof, a housing enclosing said wheel and arm, and journaled concentrically with said driven shaft, a driving pawl journaled within said housing and engaged with said ratchet wheel for driving it upon rocking of said housing in one direction, and means for rocking said housing in first one direction and then the other.

2,453,243
FREQUENCY MODULATING AND HARMONIC PRODUCER APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 21, 1943, Serial No. 507,130
11 Claims. (Cl. 250—36)



1. A harmonic producer system comprising a source of voltage of variable magnitude, a non-linear type voltage variable capacitive reactance condenser device comprising a solid dielectric material having a curvilinear or non-linear voltage-charge hysteresis characteristic, said device being electro-mechanically non-vibratory or non-resonant with respect to the operating frequencies traversing it, means comprising said device for producing harmonic frequency modulation products therein in response to and dependent upon said magnitude of said variable voltage applied to said device from said voltage source and in accordance with the effects of said hysteresis characteristic of said device, said hysteresis characteristic being adapted for and of sufficient value for producing said harmonic frequency products in said device, and means connected with said device for deriving or taking off from said device said harmonic frequency products produced in said device by said effects of said hysteresis characteristic.

2,453,244
ELECTRODE GRIP AND HOLDER
Ivan M. Matson, Los Angeles, Calif.
Application May 15, 1946, Serial No. 669,852
1 Claim. (Cl. 219—8)

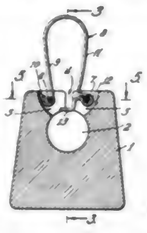


An electrode grip and holder comprising a handle, a channel-shaped jaw secured to and projecting forwardly from said handle, an inverted channel-shaped jaw pivotally mounted on said handle, a short distance rearwardly from its forward end, the forward end of which pivoted jaw terminates between the forward end of said handle and the forward end of said fixed jaw, an expansion spring between said handle and the rear end of said pivoted jaw and the upper portion of the forward end of said handle being bevelled for accommodation of the pivoted jaw when in electrode gripping position.

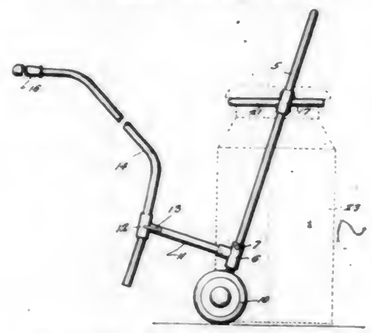
2,453,245
DEVICE FOR RELEASING SNAGGED FISHING LURES OR BAITS
Eugene F. McDonald, Jr., Chicago, Ill.
Application March 4, 1946, Serial No. 651,674
3 Claims. (Cl. 43—30)

1. A device for releasing snagged fishing lures or baits comprising a weighted body having a transverse opening therethrough and a passage extending from an outer surface of said body to said opening, a supporting member attached to

said body upon opposite sides of said passage, and gate means operable by the movement of said supporting member with respect to said body to bar and unbar said passage.



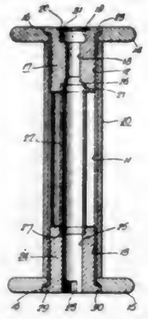
2,453,246
MILK CAN TRUCK
Karl E. Moksnes, Whitewater, Wis., assignor to Dairy Equipment Company, Madison, Wis.
Application May 14, 1946, Serial No. 669,722
1 Claim. (Cl. 214—65.4)



A hand truck for lifting and conveying milk cans comprising an inverted U-shaped frame, wheels on the lower ends of the frame, a yoke secured to the lower end of the frame, a handle connected to the yoke, and a U-shaped lifting yoke in the upper part of said frame for straddling a milk can neck to lift the can by the neck and suspend the same, said lifting yoke being pivoted in said frame and overbalanced on its pivots to normally assume an angular position relative to the frame, said frame being tiltable forwardly by said handle about the axis of the wheels to lower said lifting yoke in the normal position of the same and dispose the lifting yoke in horizontal position for straddling the neck of the milk can and whereby, upon tilting of said frame rearwardly, said can will be lifted and suspended by said lifting yoke, the yoke at the lower end of said frame straddling the lower end of the can and preventing undue swinging of the can when the frame is tilted rearwardly.

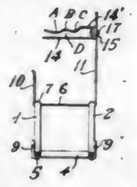
2,453,247
REINFORCED PLASTIC BOBBIN CONSTRUCTION
Jesse R. Moss, Greenville, S. C., assignor to Plasticbilt Corporation, Greenville, S. C., a corporation of South Carolina
Application February 6, 1948, Serial No. 6,598
10 Claims. (Cl. 242—119)

1. In bobbin construction, a barrel comprising a thin outer sleeve of synthetic plastic material, a metallic reinforcing sleeve on which said barrel is mounted, the reinforcing sleeve being longer than the outer sleeve and having internal threads at each end thereof, a pair of externally threaded



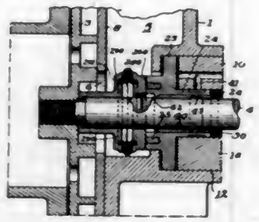
plugs adapted to engage the threads in the sleeve, a flange on each plug, and a pair of counterbored bobbin heads adapted to fit over the sleeve.

2,453,248
COMBINATION LAWN HOSE AND WATER NOZZLE SUPPORT
Edward J. Much, Wichita, Kans.
Application February 9, 1948, Serial No. 7,152
1 Claim. (Cl. 248—75)



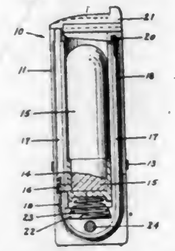
In a combination lawn hose and water nozzle support, a pair of arcuate ribs spaced apart, transverse bars secured to the ribs for supporting a lawn hose, extensions extending upwardly from the ends of said bars to retain said hose upon said bars, a centrally disposed bar of the transverse bars having one of its extensions greater in length, and a U-shaped element adjustably carried by last said extension, said U-shaped element having legs adapted to spring apart for insertion of a water hose nozzle therebetween.

2,453,249
SEAL FOR CENTRIFUGAL PUMPS
Daniel Murphy, New Castle, Pa.
Application February 10, 1944, Serial No. 521,771
3 Claims. (Cl. 286—11)



3. A sealing device for a shaft comprising two collar portions arranged to be secured upon the shaft for rotation therewith and for movement relative to one another axially of the shaft, said collar portions having substantially flat opposed surfaces adjacent their peripheries, a shaft-encompassing tubular sealing element arranged between said collar portions and in fluid-tight engagement therewith, means securing the ends of said tubular element in fluid-tight engagement with said collar portions radially inwardly of said substantially flat surfaces, and means for securing the two collar portions in juxtaposition, with the medial body portion of said sealing element bulged radially outward beyond said securing means between said substantially flat surfaces with the sealing element in engagement with the complete extent of both of said substantially flat surfaces and extending beyond the outer radial edges of the collars.

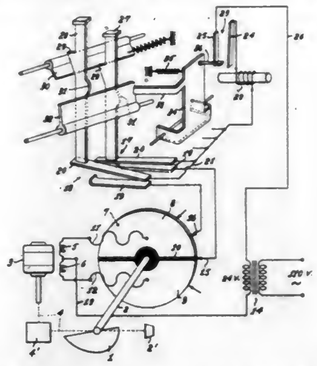
2,453,250
LIPSTICK CONTAINER
Charles Nehrke, New York, N. Y.
Application August 14, 1945, Serial No. 610,725
2 Claims. (Cl. 206—56)



2. A lipstick container comprising a housing open at its top, a movable cup arranged in said housing, a resilient means in the base of said housing for exerting an upward pressure upon said cup, a lipstick mass within the cup, a movable cap for the open top of the housing, a sliding flexible strip connecting the movable cap to the movable cup for moving the latter upwardly in the housing to project the lipstick mass above the open top of the housing for use, said flexible strip and resilient means coacting to snap the cap shut when the cap is in a predetermined position at the open upper end of the housing, said housing being provided with longitudinal guide means for the flexible strip and for the movable cap, said open top of the housing having a seat substantially at right angles to the guide means, the lower portion of one end of the cap being pivotally connected to one end of the flexible strip, said connection being substantially in line with the guide means when the cap is in a closed position on said seat, said resilient means causing the cup to rebound when the cup is moved to its lowered position within the housing.

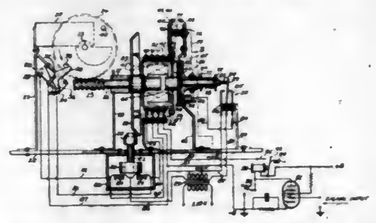
2,453,251
MOTOR-OPERATED PUSH-BUTTON TUNER
William E. Newman, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 17, 1944, Serial No. 522,753
14 Claims. (Cl. 318—466)

1. The combination with a tuning element, of manually-operable means for actuating the element to desired tuning position, automatic, motor-operated means of the type including a single split commutator and a plurality of angularly adjustable brushes disposed in permanent contacting relation on the periphery of said commutator, for moving the tuning element to any one of a number of different pre-selected positions, said latter position being determined by the angular positions of the contact brushes, and of the improvement which consists in a second switching means



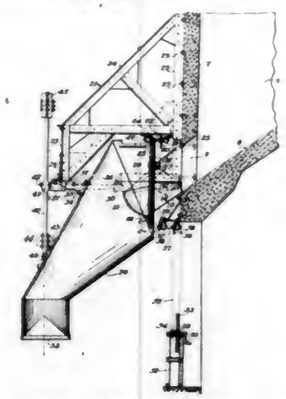
connected in circuit with the motor and with the contact brushes for preventing the automatic tuning means from being thrown into operation upon actuation of the tuning element by said manually-operable means.

2,453,252
TUNING CONTROL MECHANISM FOR RADIO RECEIVERS
William Edward Newman, Chicago, Ill., assignor to Radio Corporation of America, a corporation of Delaware
Application December 5, 1944, Serial No. 566,666
8 Claims. (Cl. 250—40)



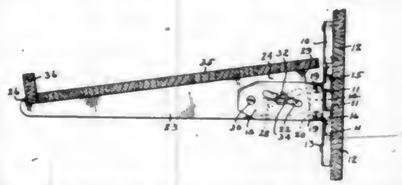
1. The combination in a radio receiver, of an adjustable tuning device tunable through a certain frequency range, a reversible electric motor for actuating the tuning device, first control means including a solenoid and a two-position switch which is under the control of the armature of said solenoid, said control means being operable in response to manual control for energizing the solenoid and, through said switch in one of its positions, also the motor to actuate the tuning device in a manner such that it scans said frequency range in search for a carrier wave of a signal strength above a predetermined minimum, and second control means operable upon reception of such signal carrier wave adapted to deenergize said solenoid thereby to move the switch to its other position for deenergizing the motor and discontinuing the scanning operation, and circuit means closed through the switch in said other position for effecting operation of the motor in a manner such that the tuning device hunts for said received carrier wave prior to final adjustment thereof to said carrier wave.

2,453,253
COALING CHUTE
James E. O'Brien, Cleveland, Ohio
Application December 2, 1944, Serial No. 566,289
5 Claims. (Cl. 193—18)



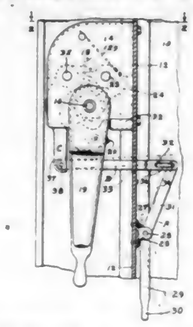
1. In a coaling device for railroad locomotives and the like including a structure having an elevated coal discharging device arranged to discharge coal transversely relative to the railway track; a frame adapted to be secured on the outside of said structure adjacent the coal discharge device; a coal chute member having a coal inlet opening and a coal discharge opening arranged at substantially right angles to the plane of the coal inlet opening and a wall interconnecting said openings, said wall being disposed opposite said coal discharging device; an axle member secured to the wall of said chute member concentric with said coal inlet opening; bearing means supported by said frame for supporting said axle member; a brace member extending laterally from said axle member to said wall of said chute and attached to said wall for bracing the chute against movement in a direction longitudinally of said axle; and means for swinging said chute about the axis of said axle.

2,453,254
ROCKABLE SHELF BRACKET
Frank W. Odin, Chicago, Ill., assignor to Syndicate Glass, Inc., Indianapolis, Ind., a corporation of Indiana
Application June 7, 1946, Serial No. 675,093
6 Claims. (Cl. 248—243)



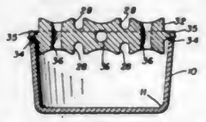
6. In a rockable arm adjustable supporting means, a base member; a plate extending from said member; an arm having a portion overlapping said plate; a pivot pin carried by an outer portion of said plate, and about which said arm may be rocked to have said arm portion rock over said plate between said pivot and said base member; said arm portion being provided with a linear slot therethrough inclined to slope downwardly and forwardly between the rear end of said arm portion and said pivot; said plate having a like linear slot therethrough but inclined to slope upwardly and forwardly of the plate; said two slots crossing one another in the general nature of the lines of a letter X; and a clamp pin extending through the intersection of said slots; whereby tendency of the pin to slide along one slot under load on said arm is slidingly resisted by reason of the reverse inclination of the other slot, and travel of the arm forces said clamp pin to travel longitudinally, relatively of both slots, thereby variably spacing the clamp pin from said pivot.

2,453,255
HAND BRAKE
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 29, 1945, Serial No. 625,353
4 Claims. (Cl. 74—491)



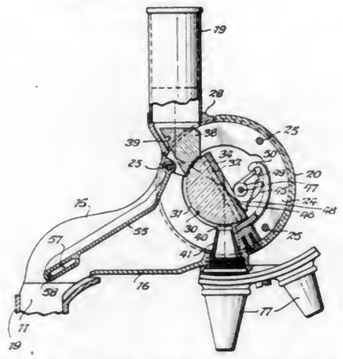
1. In a mechanism for controlling the operation of the pivoted locking dog of a ratchet brake mounted entirely on the inner side of the wall of a car, the combination with a pivoted lever for actuating said dog mounted at said inner side of said wall, said lever having a hand grip portion; of a rod connected to the hand grip portion of said lever and extending through said wall; and an actuating lever swingingly supported on the outer side of said wall and pivotally connected to the rod for reciprocating the same.

2,453,256
ASH TRAY
Michael P. Omelina, Cudahy, Wis.
Application February 27, 1947, Serial No. 731,359
1 Claim. (Cl. 131—235)



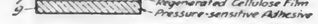
An ash tray comprising a receptacle having walls and diametrically opposed detents integrally formed in said walls, a transverse head member having a central axis, relatively short tapered shafts on said axis at the ends of said head member and rotatively positioned in said detents, the central axis of said head member being positioned adjacent the top of said receptacle placing an appreciable portion of said head member above the top of said receptacle, a pair of cigarette receiving and extinguishing apertures in said head member and a third cigarette receiving and extinguishing aperture in said head member substantially normal to said pair of apertures, and spaced substantially circular cigarette receiving grooves formed circumferentially in said head member, said grooves being disposed between said pair of apertures.

2,453,257
ROTATABLE MICROSCOPE EYEPIECE MOUNTING AND GUARD MEANS THEREFOR
Harvey N. Ott, Buffalo, N. Y.
Application March 5, 1945, Serial No. 581,000
20 Claims. (Cl. 88—39)



1. An optical instrument having an arm, the upper end portion of said arm having a circular aperture therein and having a concave portion open on its upper side and connecting said apertured end with an upright portion, a pair of refracting elements, one constituting an eyepiece and the other constituting an objective, one of said elements being mounted on said arm with its optical axis intersecting the axis of said circular aperture, a drum mounted in said circular aperture, the other of said elements being secured to said drum, said drum and said other element being formed to swing through an arc of approximately 90 degrees, a reflector pivotally mounted in said hollow drum with its pivotal axis intersecting the optical axis of said element mounted on said arm, means for controlling the swinging of said reflector to reflect light from one of said elements to the other, said drum having a peripheral opening therein through which light may pass from one of said elements to the other, and a guard pivotally connected with said drum and arranged in said concave portion of said arm for excluding light and foreign material from the interior of said drum.

2,453,258
PRESSURE-SENSITIVE ADHESIVE SHEET
John William Pearson, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application April 6, 1946, Serial No. 660,204
9 Claims. (Cl. 154—136)



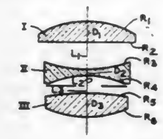
1. A pressure-sensitive adhesive sheet having a composite film backing and a pressure-sensitive eucohesive adhesive coating on one surface thereof, said composite backing comprising a preformed hydrophobic film, a preformed hydrophilic moisture-permeable film, and an interposed thin film of pressure-sensitive adhesive cement which bonds the two films together and which has been deposited in situ from an aqueous dispersion thereof dried between and in contact with both films, said adhesive sheet being unwindable from rolls thereof without delamination and without offsetting of adhesive.

9. The method of making a clear, transparent, pressure-sensitive adhesive tape which is easily unwound from roll form without offsetting of adhesive to the outer surface of the tape backing even after long aging, which includes the steps of applying a thin uniform layer of a water dispersion of a pressure-sensitive adhesive cement between and in contact with a film of cellulose acetate and a film of regenerated cellulose, passing the combination over a smooth heated drum or roller with the cellulose acetate surface in contact therewith, and under a tension sufficient to maintain the combination web in an essentially smooth unwrinkled condition and also to exert pressure on the cement, maintaining the web in contact with the heated drum until essentially all free water is driven from the web, cooling the web, and applying a coating of a pressure-sensitive eucohesive adhesive to the outer regenerated cellulose surface of the composite web.

2,453,259
SULFA PREPARATION FOR ANIMAL MASTITIS
Donald G. Perkins, Chestertown, Md., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Original application April 8, 1941, Serial No. 387,485. Divided and this application April 23, 1948, Serial No. 22,941
3 Claims. (Cl. 167—51.5)

2. A preparation for the treatment of animal mastitis by direct injection essentially comprising a colloidized suspension of a chemotherapeutic agent of the sulfanilamide type in mineral oil.

2,453,260
THREE ELEMENT OBJECTIVE LENS
Konstantin Pestrecov, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 27, 1947, Serial No. 737,543
3 Claims. (Cl. 88—57)



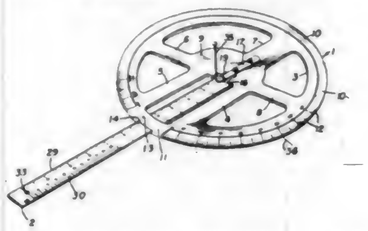
F/2.7 FOCAL LENGTH 100

LENS			
I	R_1=40.94	D_1=8.74	N_D=1.6170
	R_2=∞	L_1=11.05	V_1=55.0
II	R_3=55.65	D_2=2.78	N_D=1.6490
	R_4=39.75	L_2=7.63	V_2=33.8
		L_3=7.63	
III	R_5=107.56	D_3=9.54	N_D=1.6170
	R_6=43.33		V_3=55.0

1. An objective lens of relatively high aperture corrected for spherical, chromatic, astigmatic, and comatic aberrations, flatness of field, and distortion, comprising aligned front and rear collective lenses, and a dispersive element aligned intermediate of said collective elements and having air spaces therebetween, the foremost of said

spaces nearest to the longer conjugate of the objective lens being between 1.25 and 1.8 times the rearmost of said spaces and the refractive index of said dispersive element exceeding the refractive index of the collective elements by a difference between 0.02 and 0.045, the dispersive power of the dispersive element being numerically between 2.74 and 3.1 times the power of the objective lens, and the ratio between the radius of curvature of the front surface of the front collective element to the radius of curvature of the rear surface of the rear collective element lies between 0.90 and 1.01.

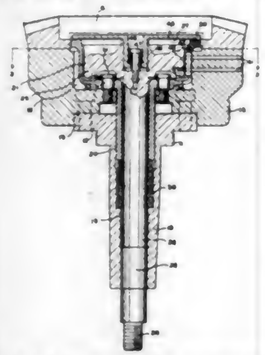
2,453,261
TOPOGRAPHY PLOTTING DEVICE
Burnis C. Peters, Giddings, Tex.
Application April 11, 1947, Serial No. 740,787
3 Claims. (Cl. 33—75)



1. In a device of the class described, a transparent circular protractor head having a marginal scale in degrees of a circle and an axial hole therein for receiving a center pin whereby said head is adapted to be revolved into different angular positions about said pin, said head having a transparent marginal segment interrupting said scale and provided with an opening and a zero mark for said scale, and a scale bar extending endwise through said opening in a plane parallel to that of said head and having different side edge face scales thereon adapted to be read in part through said segment and for plotting distances in different units of measurement in different angular positions of said head, said scale bar being removable and reversible end for end and face for face for replacement in said head to arrange the scales thereon, selectively, in line with said zero mark and with zero of the selected scale in the axis of said head.

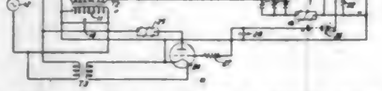
2,453,262
CHUCK
Joseph M. Peters, Irondequoit, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application April 1, 1946, Serial No. 658,628
13 Claims. (Cl. 279—2)

6. A chuck comprising a generally cup-shaped body against which the work is adapted to be seated, a collet mounted in the recess of the body member and having a plurality of expansible gripping fingers, an expander mounted within the collet for axial reciprocation and having an enlarged head and a rearwardly extending stem which is adapted to be secured to a drawbar to move the expander axially, the head of the expander being of generally cylindrical shape but having a tapering surface adjacent its forward end to engage the insides of the gripping fingers to expand them into the bore of the work on rearward movement of the expander, means engaging the cylindrical portion of the expander head to hold the expander against rotation, and means engaging the cylindrical portion of the



expander head to guide the expander in its axial movement.

2,453,263
VOLTAGE REGULATION
James A. Potter, Long Valley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 2, 1944, Serial No. 520,761
14 Claims. (Cl. 175—363)

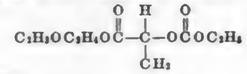


1. The combination with a circuit for connecting an alternating current supply source to a load, of a first means connected between said supply source and the remainder of said circuit for changing said alternating supply current into alternating current having an increased number of phases, said means causing the voltages of said increased phases to vary with respect to each other to minimize load voltage variations due to load changes and voltage changes of said source, a second means the impedance of which may vary connected in said circuit between said first means and said load, a third means responsive to a voltage impressed thereon for controlling said first means, and means connected across said load for deriving and impressing upon said third means a voltage proportional to the load voltage for causing the reduction of load voltage variations due to the impedance variations of said second means.

2,453,264
CELLULOSE ESTER OR ETHER PLASTICIZED WITH ETHYL ALPHA-CARBETHOXYETHOXYETHYL CARBONATE
Chessie E. Rehberg, Glenside, Pa., assignor to United States of America as represented by the Secretary of Agriculture
No Drawing. Original application September 28, 1944, Serial No. 556,241. Divided and this application November 7, 1945, Serial No. 627,269
3 Claims. (Cl. 106—182)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

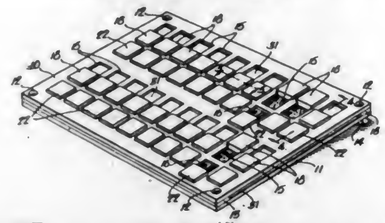
1. A plastic composition substantially consisting of a cellulose plastic of the group consisting of

cellulose esters and ethers and ethyl alpha-carbethoxyethoxy-ethyl carbonate of the formula



as plasticizer.

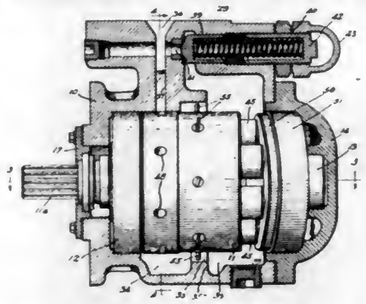
2,453,265
EDUCATIONAL DEVICE
William K. Robinson, Ventnor, N. J.
Application January 29, 1948, Serial No. 5,054
3 Claims. (Cl. 35—9)



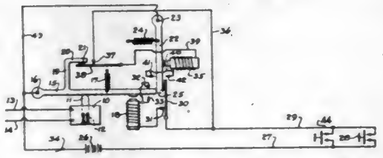
1. A problem board assembly comprising a flat member having a plurality of rectangular problem windows and a plurality of rectangular answer windows therein, said answer windows being in alignment with the problem windows, an opaque block slidable in each problem window, the length of the block being substantially half the length of the window, a lip along the lateral edges of each block for engaging the sides of the window, a retaining plate attached to the back of the block, an opaque cover for each answer window, the length of the cover being substantially equal to the length of the answer window, the width of the cover being greater than the width of the answer window, an abutment at one end of the cover adapted to fit within the answer window, a pair of lateral guides attached to the cover for engaging the sides of the answer window, said guides terminating in abutments substantially midway of the cover, a pair of cooperating guides formed at one end of the answer window and in spaced relation to the sides of the window, a spring positioned between the guides in the window and contacting the inside of the abutment on the cover whereby the cover is urged to close the window, a retaining plate attached to the abutment and guides on the cover whereby the cover and the spring are slidably retained in the window, and means for positioning a problem card under the flat member in registry with the windows.

2,453,266
PISTON PUMP
Harvey W. Rockwell, Cedar Rapids, Iowa, assignor to La Plant-Choate Mfg. Co. Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application February 9, 1945, Serial No. 576,941
6 Claims. (Cl. 103—162)

4. In a piston pump, a casing, a substantially cylindrical rotor rotatably supported in said casing, a plurality of pump cylinders and pistons associated with said rotor, wobble plate means for reciprocating said pistons upon rotation of said rotor, said rotor having substantially straight passages therein extending from said cylinders to the cylindrical surface of said rotor to act as fluid inlet passages during one portion of the rotation of said rotor and as fluid outlet passages during another portion of said rotation, means forming a confined fluid chamber surrounding a portion of said cylindrical surface of said rotor and communicating with said passages when the latter function as inlets to said pump cylinders, means cooperating with said rotor to form a restricted entrance to said chamber, and a plurality of impeller blades mounted in circumferentially spaced relation on said rotor and projecting into said entrance for forcing fluid under pressure into said chamber.



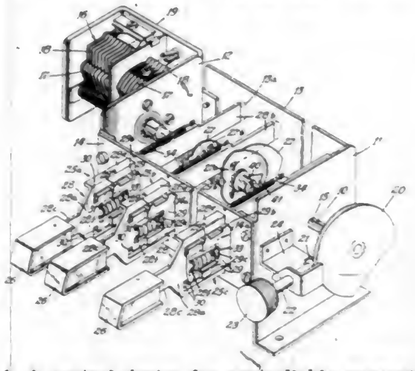
2,453,267
ELECTROMAGNETIC SWITCHING DEVICE
Peter F. Rossmann, Morristown, N. J.
Application March 7, 1945, Serial No. 581,482
4 Claims. (Cl. 175—375)



1. In a device of the class described, the combination of means forming a high voltage circuit including a controlling circuit closer normally disposed in an open, circuit-interrupting position, of means including a source of low voltage current forming a relatively low voltage circuit for controlling said high voltage circuit closer, said low voltage circuit forming means including a locking electromagnet and an unlocking electromagnet, the armatures of both of said electromagnets being of conductive material, each pivotally mounted at one end and extending substantially at right angle to each other and with their free ends lapping to provide an interlock, the armature of the locking electromagnet being operatively connected to control the high voltage circuit closer, means forming a locking circuit including in series a manually actuated pushbutton, the locking electromagnet and its armature and said source, means forming an unlocking circuit including in series said pushbutton, the unlocking electromagnet and its armature and said source, a pair of springs, one for each armature and acting thereon in opposition to the pull of its associated electromagnet, the locking electromagnet acting when powered to draw its armature into position to close the circuit closer and to permit the spring acting on the unlocking electromagnet armature to dispose the same in the path of the returned movement of the locking electromagnet armature under the action of the spring and thus to provide for the return of the locking electromagnet to its initial position, and said unlocking electromagnet acting when powered to withdraw its

armature from its position in the path of return movement of the locking armature thereby to permit the spring of the locking electromagnet armature to return it to its initial position and to permit the circuit closer to return to its normal open position.

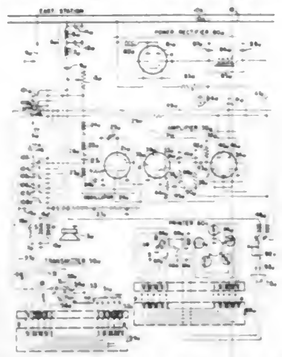
2,453,268
TUNING CONTROL APPARATUS
Leslie L. Royal, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application May 16, 1946, Serial No. 670,107
18 Claims. (Cl. 74—10)



1. A control device for controllable apparatus including a rotary shaft, a control unit mounted on said shaft for relative movement therewith and capable of limited axial movement relative to said shaft, means for holding said control unit in a predetermined fixed position on said shaft, a selector unit for causing rotation of said control unit and said shaft as a unit including an actuating means, and means on said actuating means engaging said control unit for causing limited axial movement thereof to release said means for holding said control unit so that relative movement between said control unit and said shaft can be obtained.

2,453,269
PRINTING TELEGRAPH SYSTEM
Harry O. Rugh, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 21, 1945, Serial No. 594,833
7 Claims. (Cl. 179—2.5)

5. In combination with a printing telegraph station having a transmitter for transmitting a message by telegraphic coded signals and a receiver for printing a message transmitted by telegraphic coded signals over another station, a sound translating device, a unit adapted to be operated as a carrier current oscillator or a detector, means at said station for applying a predetermined positive voltage to said unit when said station is to be operated as a transmitting station thereby to control said unit to transmit a superaudio carrier frequency, means at said station for modulating said carrier frequency with an audio frequency in accordance with a telegraphic code to transmit a message, said last-mentioned means also controllable by said sound translating device for modulating said carrier frequency with an audio frequency in accordance with sound waves received by said sound translating device, means at said station for applying a predetermined lesser positive voltage to said unit when said station is to be operated as a receiving station thereby to control said unit to detect the audio portion of a modulated carrier wave received at said station, said amplifier amplifying said detected audio portion



of a modulated carrier wave thereby to control said sound translating device to reproduce sound waves in accordance therewith and to cause said receiver to print a message in accordance with the audio portion of a telegraphically coded modulated carrier wave.

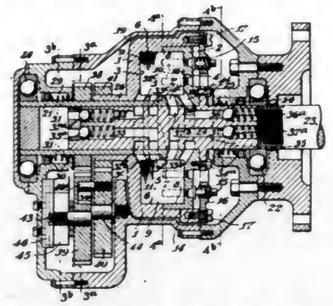
2,453,270
UMBRELLA RIB CLIP AND POCKET
Ray A. Russell, Santa Ana, Calif.
Application April 19, 1948, Serial No. 21,969
15 Claims. (Cl. 135—36)



1. A clip pocket for umbrellas, said clip comprising: a hollow, elongated, split body member curved about a longitudinal axis to provide a longitudinal channel adapted to receive an end of an umbrella rib along said axis; elongated jaws carried in opposed relation by opposite side wall portions of said member at the split thereof and directed toward one another; gripping means provided on said jaws in opposed relation to grip an umbrella canopy from opposite sides along a seam with a depending portion of said seam disposed in said channel and held against inner wall portions thereof by said rib; and opposed wings carried by said opposite side wall portions at one end of said body member and directed laterally inward toward said axis with their inwardly directed edges opposed and providing a slot to receive between them an adjacent part of said depending seam portion, said wings cooperating to form upstanding stop wall means for the respective end of said rib.

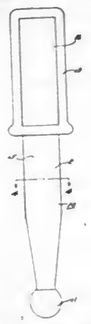
2,453,271
ROTARY ALTERNATING PISTONS PUMP
Frederick James Sales, London, England
Application February 15, 1943, Serial No. 475,956
In Great Britain February 23, 1942
7 Claims. (Cl. 103—129)

1. A rotary pump or compressor comprising two rotor bodies, a driving shaft fixed to one of said rotor bodies, a driven shaft coaxial with the driving shaft and fixed to the other rotor body, means pressing the two rotor bodies into close bearing contact with each other, an annular working chamber formed in the opposed faces of the two rotor bodies concentrically in relation to said shafts, radial pistons located in said working chamber and subdividing the working chamber into a number of working spaces, said radial pistons comprising two sets arranged in diametrically opposed pairs, one set being fixed in relation to one rotor and the other set being fixed in relation to the other rotor, inlet and outlet ports



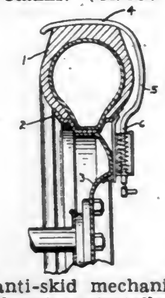
on opposite sides of each radial piston, inlet passages in said driven shafts communicating with said inlet ports, outlet passages in said driving shaft communicating with said outlet ports, non-return valves controlling the flow of fluid to and from said ports, and means transmitting rotation from the driving to the driven shaft to provide at each complete rotation of the driving shaft alternate acceleration and deceleration of one rotor relatively to the other, whereby the successive opposed faces of the pistons move towards each other and away from each other during each rotation of the driving shaft.

2,453,272
COMBINED MAGNIFIER AND TELEPHONE DIALING IMPLEMENT
Mark E. Savoie, Cleveland, Ohio
Application February 12, 1947, Serial No. 728,095
3 Claims. (Cl. 179—90)



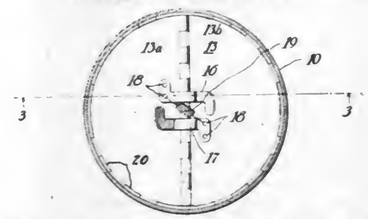
1. A phone dialing implement comprising an elongated magnifier having a first end portion and a second end portion, a luminous ball turnably carried by the first end portion and operably engageable with a phone dial to facilitate dialing, and a handle integral with the second end portion to cooperate with the luminous ball to position the elongated magnifier disposed therebetween at correct focus for reading a telephone directory.

2,453,273
TIRE ANTISKID MECHANISM
Ralph C. Scott, Brighton, N. Y.
Application October 9, 1946, Serial No. 702,193
6 Claims. (Cl. 152—216)



5. A tire anti-skid mechanism comprising a mounting, a housing pivotally arranged on the mounting and having swinging movement in opposite directions from a vertical position, spring means engaging the housing and retaining it yieldably in vertical position, the housing including an end wall with an angular opening therein, an anti-skid bar including a supporting portion having an angular locking portion extending through said opening in the housing and movable endwise of the housing, the supporting portion having an annular groove below said locking portion and registering with said angular opening to permit turning the supporting portion when in its outermost position, the supporting portion being held against turning in all positions except said outermost position, and spring means engaging the supporting portion and acting to move it inwardly of the housing, said anti-skid bar and supporting portion when in operative position lying in the same plane with the pivotal axis on which the housing swings.

2,453,274
SEALING DEVICE
John J. Serowy, Chicago, Ill.
Application September 18, 1946, Serial No. 697,793
4 Claims. (Cl. 220—24)



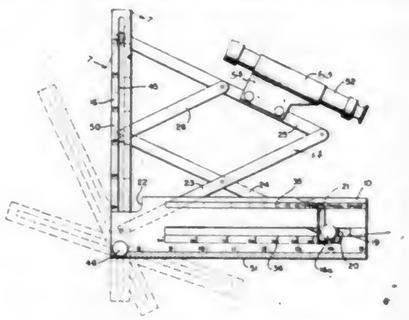
1. A device for resealing a container at least partially filled with paint once it has been opened so as to preserve the paint contained therein, comprising a multi-part member shaped so that the peripheral edge thereof corresponds to the shape of the inside wall of said container, said multi-part member being collapsible for ready insertion into said container, spring means on said member and acting on the parts thereof to bias said member into engagement with the inside wall of said container at the level of the paint contained therein, said member having narrow openings spaced around the peripheral edge thereof to permit some of said paint to squeeze therethrough to provide a seal between said peripheral edge and the engaged wall of said container.

2,453,275
PREPARATION OF MIXED SATURATED-UNSATURATED ESTERS OF CELLULOSE
George W. Seymour, Blanche B. White, and Elisabeth Barabash, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 30, 1945, Serial No. 585,794
15 Claims. (Cl. 260—225)

1. Process for the production of mixed organic acid esters of cellulose containing radicals of both saturated and unsaturated aliphatic acids having at least four carbon atoms in the acid radical, which comprises esterifying cellulose with an esterification medium comprising an inorganic acid esterification catalyst, about two mols of the anhydride of a saturated aliphatic acid and one mol of the anhydride of an unsaturated aliphatic acid, each having at least four carbon atoms in the acid radical, allowing the esterification to proceed, adding an additional amount of the saturated aliphatic acid anhydride, and allowing the esterification to proceed to completion.

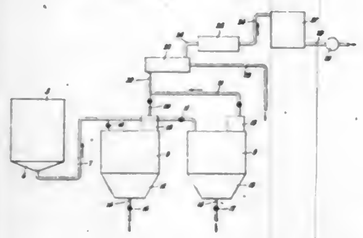
14. As a new article of manufacture, cellulose butyrate-crotonate containing from 0.2 to 0.3 crotonyl groups per glucose residue.

2,453,276
MANUAL POCKET SQUARE
Fitz Gerald Shelby, Shelby, Miss.
Application February 25, 1946, Serial No. 649,973
4 Claims. (Cl. 33—67)



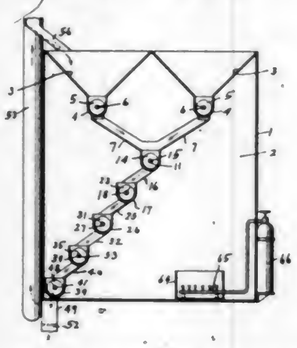
4. An extensible support comprising a plurality of pivotally connected members in the form of a lazy tongs construction, a body, the inner end of one member being pivotally connected to the body, means forming a sliding connection between the inner end of another member and said body, a sighting device attached in parallel relation to a third member which is parallel to the second mentioned member, the body being provided with a scale in degrees representing angles formed by a line on the body and an edge of the second mentioned member, and an indicator carried by the slide connection and cutting the scale for indicating simultaneously the degrees of the angles formed by the second member and the sighting device, the axis of the sighting device being always at an acute angle to a longitudinal edge of the body, an arm disposed at right angles to the body, the arm having a longitudinal slot therein, a marker on an end of said third member of the extensible support, a screw for securing the marker on said support, a head on the screw and a pin slidably mounted in the head and received by the slot in the arm for stabilizing the sighting device in predetermined positions of use.

2,453,277
VACUUM TREATMENT OF MILK POWDER
Helge Shipstead, Syracuse, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
Application January 8, 1942, Serial No. 425,960
3 Claims. (Cl. 99—203)



1. In a process for the manufacture of dry products from liquid lacteal materials, the steps comprising spraying the material into a controlled drying chamber to form a pulverulent material of a predetermined moisture content higher than desired in the final product, removing said pulverulent material from said drying chamber while hot and conveying it to the cooling chamber under conditions to minimize loss of heat, and then subjecting a mass of the pulverulent material to sub-atmospheric pressure substantially below the vapor pressure of the moisture contained in the hot pulverulent material whereby a portion of the moisture content is flashed off and the material cooled.

2,453,278
GRAIN DRIER
Robert J. Staples, Sr., and Henrietta Staples, Houston, Tex.
Application November 13, 1945, Serial No. 628,208
4 Claims. (Cl. 34—102)



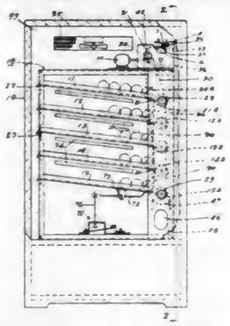
1. A grain drier comprising, a closed body containing a drying chamber, hoppers forming the top of the body and extending from end to end thereof, a conveyer in each hopper, a series of conveyors extending across said chamber and arranged in diagonal relation from above downwardly with the drying chamber beneath said series, a chute leading from an upper to a lower conveyor, a chute leading from each hopper to the upper conveyor, discharge means leading from the lower conveyor, a conveyor leading from said discharge means and arranged to convey grain from the discharge means into one of the hoppers and means for heating the chamber.

2,453,279
UNIVERSAL JOINT
Ernest A. Starbuck, Peoria, Ill.
Application August 21, 1944, Serial No. 550,420
7 Claims. (Cl. 74—380)



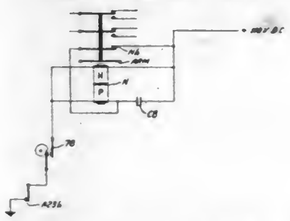
1. A device of the nature described including in its construction a driving shaft and a driven shaft whose axes may lie in alignment or lie at an angle to each other, a ball fixed with respect to an end of one of the shafts and having a groove therein lying in a plane perpendicular to the axis of the shaft carrying said ball, the bottom wall of the groove lying substantially on a circle described from said shaft axis, a series of tapered rollers mounted in said groove in spaced order on said bottom wall and encircling said ball in said groove and radiating therefrom, the axes of the rollers lying in a plane perpendicular to said shaft axis, a socket member fixed with respect to the other shaft adapted to receive said ball, a series of spaced tapered rollers carried in and extending from said socket member and lying between the rollers of said ball, all of said rollers of said socket member lying in a plane perpendicular to the axis of the shaft carrying that member, the said planes cutting the axes of the shafts at the position where the said axes meet, the rollers of the ball and of the socket member all being uniform in size and form, the rollers of one of such members adapted to engage between the rollers of the other member in abutting driving relation.

2,453,280
COIN CONTROLLED VENDING MACHINE
Wilson Marks Stewart, Ottawa, Ontario, Canada
Application September 4, 1944, Serial No. 552,701
In Canada May 6, 1944
9 Claims. (Cl. 312—48)



4. In a coin-controlled vending machine, the combination of superposed lower and upper trays forming supports for bottles lying transversely on their sides, said upper tray being movable above said lower tray, semi-cylindrical members associated with said trays, respectively, operable to deliver the bottles, each of said members being adapted when in a certain rotary position and empty, to receive a bottle from its associated tray, said upper tray having means adapted to form a stop for a bottle on said lower tray when said upper tray is loaded thereby preventing the bottle from being received into the member associated with said lower tray, and means for moving said upper tray to cause said stop to clear the bottle on said lower tray when said upper tray is unloaded.

2,453,281
RELAY CONTROL SYSTEM
Joel H. Tedder, Los Angeles, Calif., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 3, 1945, Serial No. 620,079
1 Claim. (Cl. 175—320)

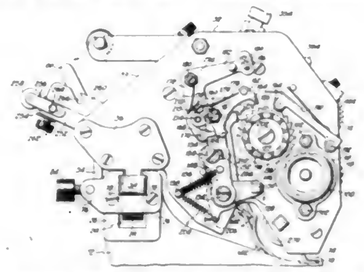


A circuit arrangement comprising a relay having a pick-up and a hold winding wound in the same direction about a common core with the hold winding having a considerably greater resistance than the pick-up winding, an armature having a normal unattracted position from which it is moved to an attracted position only upon effective energization of the pick-up winding, said hold winding being effective while energized and after the armature is moved to its attracted position to hold the armature in said attracted position, and normally closed contacts controlled by the armature and opened upon movement of the armature from said unattracted position; a circuit closing switch of the resilient type tending to flutter between closed and open status from the time of its initial closure until its settling down to a steady closed status; said pick-up winding, contacts and switch being connected in series across a source of voltage and said hold winding being connected in parallel with the series-connected pick-up winding and contacts, whereby upon closure of said switch for a sufficiently prolonged interval the pick-up winding is effectively energized to move the armature and open the contacts and the hold winding is energized to hold the armature in its attracted position with the contacts open; and a condenser connected in shunt across said contacts, said condenser having a capacity permitting current flow through the pick-up winding to maintain it effectively energized for a predetermined substantial interval after the contacts are opened, but only for said predetermined interval, and accelerating appreciably the deenergization of the hold winding upon opening of said switch.

2,453,282
FEEDING MECHANISM FOR ACCOUNTING MACHINE CARRIAGE PLATENS
Otto Thieme, East Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 29, 1944, Serial No. 570,323
6 Claims. (Cl. 197—114)

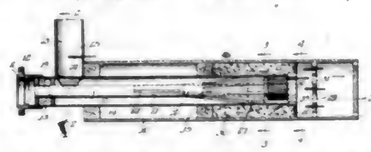
6. In a typewriter carriage of the character described, a rotary printing platen, manually settable ratchet mechanism selectively operable to index the platen for single or plural spacing of a record medium associated with the platen, means for actuating said ratchet mechanism for either single or plural spacing operations, friction means automatically operable during actuation of said

ratchet mechanism when the latter is preset for plural spacing operations to prevent overthrow of the platen, and latch means operable when



the ratchet mechanism is preset for single spacing operations to prevent operation of said friction means.

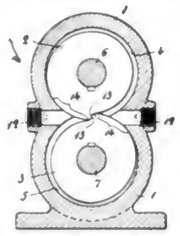
2,453,283
MICROWAVE POWER MEASURING APPARATUS
John W. Tiley, Philadelphia, and David E. Sunstein, Elkins Park, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 30, 1944, Serial No. 551,947
3 Claims. (Cl. 171—95)



1. A device for measuring ultra high frequency energy by the substitution method comprising a coaxial line provided with a ceramic body having a generally cylindrical portion and a frusto-conical portion, said cylindrical portion having an outer diameter substantially equal to the inner diameter of the outer line conductor and an axial aperture equal to the diameter of the inner line conductor, a substantial portion of said body being provided with longitudinal recesses to permit the passage of fluid medium past said body, means for admitting a fluid medium to the interior of said outer conductor, means for permitting the passage of said fluid medium through the inside of said inner conductor, means for measuring the temperature of said fluid medium before and after passage past said body, and an electrical heating means positioned adjacent said body for producing a temperature change comparable to the temperature produced by ultra high frequency energy dissipated by said body.

2,453,284
ROTARY PUMP OR ROTARY COMPRESSOR
Algot Karl Gustaf Birger Törnborg, Nassjo, Sweden
Application April 6, 1944, Serial No. 529,741
In Sweden May 13, 1943
1 Claim. (Cl. 103—126)

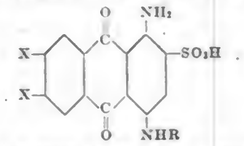
In a rotary pump or rotary compressor the combination of a housing, communicating chambers in said housing, rotors in the shape of discs having portions of their peripheries in the form of spirals located in said chambers and cooperating in pairs with one another and with the cylindrical walls of the chambers, inlet and outlet ports for the fluid operated upon by the pump or compressor, offsets provided on the rotors forming substantially radial transitions between different radial distances determining the spiral



pitch of the rotors' circumferences and circular portions on said circumferences extending direct from said offsets, said circular portions being adapted to operate in contact with the cylindrical walls of the chambers.

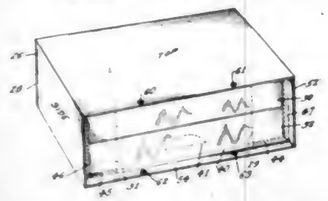
2,453,285
DYESTUFFS OF THE ANTHRAQUINONE SERIES
Samuel von Allmen and Hans Eggenberger, Basel, Switzerland, assignors to Sandoz Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application September 19, 1945, Serial No. 617,455. In Switzerland October 19, 1944
4 Claims. (Cl. 260—371)

1. An anthraquinone dyestuff of the formula



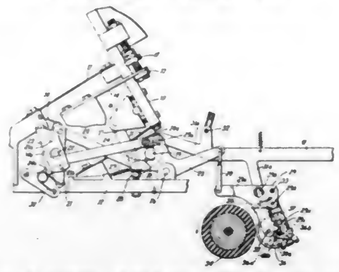
wherein one X stands for a sulfo group and the other X stands for hydrogen, and wherein R stands for a member selected from the group consisting of hexahydrophenyl, hexahydrotolyl, hexahydroxylyl and ac-tetrahydronaphthyl.

2,453,286
BOTTLE CONTAINER
Werner Von Clemm, Syosset, N. Y.
Application December 19, 1944, Serial No. 568,821
2 Claims. (Cl. 229—17)



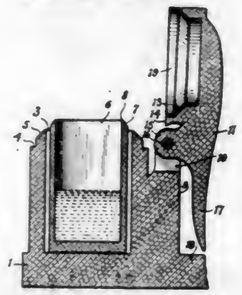
1. A horizontal carton comprising integrally connected top, bottom and side panels each provided with a flap at its front end, said flaps extending transversely of said panels in face to face contact and constituting an end of said carton, the bottom flap being provided with a line of perforations extending parallel and close to its base end and the side flaps being provided with cutouts in alinement with said line of perforations extending from a point adjacent their bases through their ends, and said top and bottom flaps being of less width than the interior of said carton with their edges located on lines intersecting the ends of said cut-outs adjacent the bases of said side flaps, and said side flaps being further provided with lines of perforations paralleling the side edges of said top and bottom flaps and located laterally of said side edges.

2,453,287
POWER-OPERATING MECHANISM FOR TYPEWRITING MACHINES
Richard von Reppert, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 7, 1944, Serial No. 557,635
3 Claims. (Cl. 197—17)



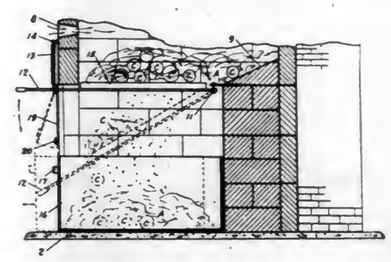
1. In a power operating mechanism for typewriting machines, a power roller, a function controlling key, and a cam unit cooperating with said roller, said cam unit including a cam rotatable by the power roller to perform the function controlled by said key, said cam unit including a first detent normally restraining the cam unit against rotation by the power roller and being releasable by said key to permit rotation of the cam by said roller, said cam unit including a second detent having a portion thereof engaged by a part of said cam at the end of its rotation by the power roller and movable by the cam to arrest the cam in a position beyond the position in which the cam is held by the first detent, said second detent being moved into operative position by said key when the first detent is released and, upon release of the key after a sustained operation thereof, moving out of engagement with said part of said cam to permit a second rotation of the cam by said power roller.

2,453,288
COUNTERBALANCED PIVOTED CLOSURE
Henry W. Walden, New York, N. Y.
Application December 14, 1944, Serial No. 568,129
1 Claim. (Cl. 220—32)



A container of the character described having a body portion provided with a well open at the top, a receptacle of less external diameter than the well fitting within the well and spaced therefrom, said receptacle having an open top projecting above the top of the body portion whereby excess contents removed from the receptacle by an instrument may be wiped off on said projecting part of the receptacle, a hinged cover provided on the body portion and having a seat adapted to rest upon the top of the body portion, and out of contact with the top of the receptacle, said cover including an arm extending rearwardly of its hinge and constituting a counter-balance to cause the cover to be raised and remain in a raised position when said arm is lightly touched by the finger.

2,453,289
REFUSE INCINERATOR WITH DUMPING GRATE
Arthur C. Waterman, Shreveport, La.
Application July 5, 1944, Serial No. 543,542
1 Claim. (Cl. 110—18)

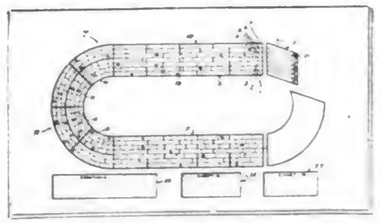


An incinerator comprising a body portion having an upper combustion chamber and an ash pit beneath the combustion chamber and in free communication therewith, a pair of removable drawers mounted within the ash pit and including ends and sides, the drawers being transversely spaced to provide a passage between them, a grate disposed within the body portion at the bottom of the combustion chamber and adapted to be horizontally arranged, the forward end of the grate terminating short of the forward ends of the drawers, the grate being adapted to assume a lowered inclined position with its forward end resting upon the sides of the drawers with such forward end spaced from the forward ends of the drawers so that articles upon the grate may roll into the drawers, means to pivotally support the rear end of the grate so that the grate may swing vertically, a handle secured to the forward end of the grate and extending longitudinally beyond the same and projecting to the exterior of the body portion and movable within the passage, and a retractile coil spring connected with the body portion and with the handle and normally retaining the grate generally horizontal and to vibrate the grate when the handle is depressed and released so that the handle strikes against the end wall of the passage.

2,453,290
RACING GAME AND PUZZLE
Roland M. Wetzel, Philadelphia, Pa.
Application April 19, 1944, Serial No. 531,699
2 Claims. (Cl. 273—134)

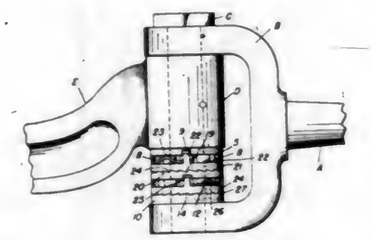
1. A game board comprising, in combination, a representation of a racing track having a plu-

rality of continuous lanes therein, characterized in that each lane is divided into subdivisions and



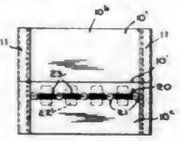
the lengths and numbers of the subdivisions are different in the respective lanes.

2,453,291
SELF-ROTATING KINGPIN THRUST BEARING
John B. Wilford, Glasgow, Mont.
Application September 26, 1947, Serial No. 776,217
3 Claims. (Cl. 308—227)



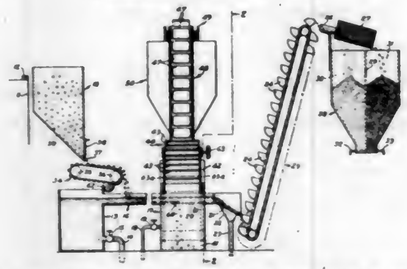
1. In a thrust assembly for use in connection with a steering knuckle and king pin construction of the class described, a ball race, a second ball race, a plurality of anti-friction ball bearings interposed between said races, one race having ratchet teeth, and a ring interposed between said races, said ring having ratchet teeth co-acting with the first named ratchet teeth, said first named ball race having notches, said ring having upstanding lugs projecting slidably into said notches, and spring means between the ring and ball race.

2,453,292
OUTDOOR CARD GAME BOARD
Samuel Zirin, Brooklyn, N. Y., assignor to Marsam Specialties, Inc., a corporation of New York
Application September 23, 1944, Serial No. 555,453
2 Claims. (Cl. 273—150)



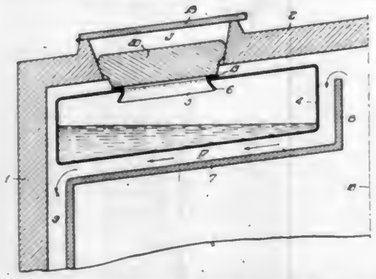
1. An outdoor gin rummy board, comprising a board-like member, and means for holding playing cards from blowing off, said means including a coiled spring and studs for holding the ends of said spring to said board and dividing the said coiled spring into four gripping sections for gripping the cards of the players.

2,453,293
HORIZONTAL LIQUID CURRENT SEPARATOR
Joseph M. Aurillo, Fairfield, and Jack H. Schecter, Bridgeport, Conn., assignors to McNeil Bros. Inc., Bridgeport, Conn., a corporation of Connecticut
Application December 6, 1944, Serial No. 566,830
4 Claims. (Cl. 209—156)



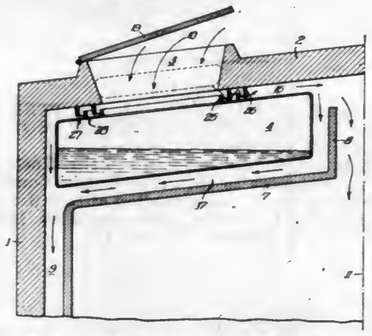
1. In a material separation apparatus, a tank, a trough including spaced side walls and a bottom wall, said trough communicating at one end with the upper portion of said tank to continuously receive liquid therefrom, means for supplying liquid to said tank in a volume sufficient to maintain a given level in the tank and trough with a constant flow through the latter, a settling tank, said trough having its bottom wall and at least the lower portions of its side walls passing through the upper portion of said settling tank below the upper edges of the walls of the latter whereby said settling tank is adapted to contain liquid to a level above the bottom wall of the trough portion passing therethrough, said trough having an opening through its bottom wall within said settling tank, means for feeding material to be separated to the liquid in said trough at a place intermediate said first tank and said opening, and said opening providing means whereby heavy portions of the material to be separated may settle out into said settling tank while the lighter portions of said material are carried across said opening by the liquid flowing through the trough.

2,453,294
HATCH PLUG FOR CLOSING OPENINGS IN ICE CONTAINERS OF REFRIGERATOR CARS
Edwin R. Battley and George E. McCoy, Montreal, Quebec, Canada
Application January 26, 1945, Serial No. 574,790
4 Claims. (Cl. 62—17)



1. In a refrigerator car having a hatch opening with tapering sides in the roof thereof, a refrigerant container spaced below said roof so as to provide a space between said roof and said container which communicates with the hatch opening and the interior of the car for ventilating purposes, said container having a filling opening therein registering with said hatch opening, and a removable hatch plug having portions engageable with the walls of the hatch opening to close the hatch opening to retard heat infiltration and other portions engageable with the container to simultaneously close the filling opening to retard the escape of refrigerant from the container.

2,453,295
ICE CONTAINER FOR REFRIGERATOR CARS
Edwin R. Battley and George E. McCoy, Montreal, Quebec, Canada
Original application January 26, 1945, Serial No. 574,790. Divided and this application March 17, 1947, Serial No. 735,104
6 Claims. (Cl. 62—17)



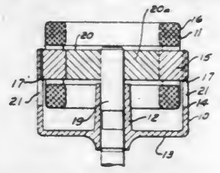
1. In a refrigerator car having a hatch opening in the roof thereof, a refrigerant container spaced below said roof so as to provide a space between the roof and the container which communicates with the hatch opening and the interior of the car for ventilation, said container having a filling opening registering with the hatch opening, a plurality of spaced vanes depending from said roof in overlapping and spaced relation with a plurality of spaced upstanding vanes on the container around the perimeter of the filling opening, whereby air entering the hatch opening may pass between said vanes into the interior of the car, and drain holes in the container and adjacent said upstanding vane so that liquid surging from the container is baffled by said depending vane and drained into the container.

2,453,296
BRASSIÈRE
Mildred R. Bates, Orange, N. J.
Application January 12, 1946, Serial No. 640,775
1 Claim. (Cl. 2—42)



In a brassière having a shoulder strap on each side attached to the back of the waistband and directed over the shoulder of the wearer, terminating just above the breast of the wearer where each strap joins two ribbons disposed oppositely over each breast, the improvement consisting essentially of a skeletal structure exposing substantially the whole body of each breast, comprising a narrow waistband passing directly under the breasts and joining at the back, a ribbon element attached to the waistband at a point under the armpit on each side and directly diagonally upwardly over the outer upper half of the breast, joining the shoulder strap, and a ribbon element from each shoulder strap directed downwardly over the inner upper half of the breast, crossing the front of the body between the breasts and attached to the waistband at a point near the underside of the other breast.

2,453,297
COMPRESSOR MOTOR AND METHOD OF MAKING SAME
Ralph L. Benson, Greenville, Mich., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application April 11, 1942, Serial No. 438,547
3 Claims. (Cl. 172—36)



1. The method of manufacturing motors which comprises providing a frame having a journal bearing with an accurately dimensioned inner surface, providing a stator having a metallic core with an accurately dimensioned annular inner surface, positioning said parts with an external surface of the stator in juxtaposed relation to an external surface of the frame throughout a substantial portion of the perimeters of said parts, arranging and maintaining said parts with the annular inner surface of the core in coaxial relation to the inner surface of the journal bearing solely by accurately dimensioned gauge means engaging said inner surfaces, fixedly connecting said external surface of the stator to said external surface of the frame while holding said parts in said juxtaposed relation and while the said inner surfaces of the journal bearing and the core are maintained in coaxial relation by said gauge means, and thereafter removing at least that portion of the gauge means engaging the inner surface of the core.

2,453,298
SYNTHETIC RESINS AND PREPARATION THEREOF BY REACTING AN ALKYL BENZENE, A PHENOLIC COMPOUND, AND A DIHALOALKANE
Herman S. Bloch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 20, 1945, Serial No. 611,702
15 Claims. (Cl. 260—61)

1. A process for producing a three component resin which comprises reacting in the presence of a Friedel-Crafts metal halide catalyst: (1) an alkylbenzene hydrocarbon having not more than two alkyl groups per molecule and each of said alkyl groups having not more than two carbon atoms per group, (2) a phenolic compound selected from the group consisting of monohydric

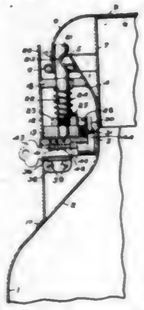
phenols, dihydric phenols and the methyl, ethyl and phenyl ethers of said phenols, said phenolic compound containing not more than two nuclearly substituted alkyl groups per molecule as the sole nuclear substitutents and each of said alkyl groups having not more than two carbon atoms per group, and (3) a dihaloalkane having from two to four, inclusive, carbon atoms per molecule and a halogen atom of at least 35 atomic weight bound to each of two adjacent carbon atoms; the amount of catalyst being at least 5 mol percent more than (2), the amount of (1) being at least 10% of the total of (1), (2), and (3), the amount of (2) being being from about 1/10 to about ½ of the total of (1) and (2), and the amount of (3) being from above one to about twenty mols per mol of total (1) and (2); and terminating the reaction when from about 1.1 to about 1.9 mols of hydrogen halide have been evolved per mole of total (1) and (2).

2,453,299

FREE-OPENING, NONCLOSING SNAP LOCK DEVICE

William H. Bloomberg, West Medford, Mass.

Application August 14, 1947, Serial No. 768,578
8 Claims. (Cl. 70—166)



1. In combination with a receptacle having a tubular entrance, a removable cover having a wall complementary to said tubular entrance adapted telescopically to be inserted into it in sealing engagement therewith and provided with a flange spaced from and parallel to said wall, means mounted on the exterior of the receptacle having an abutment member movable out of or into the path of the flange adapted selectively to permit or to prevent sufficient telescopic engagement of the complementary cover wall with said entrance to provide an effective seal, a rotatable key operated lock and means operable thereby for locking said abutment member out of the path of said cover flange whereby the cover can be sealingly applied to the receptacle only by the person having the key.

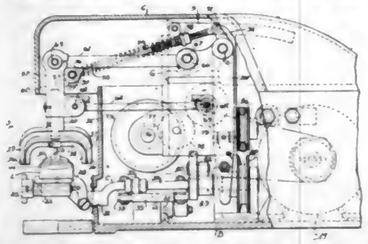
2,453,300

LENS GRINDING MACHINE

George E. Bonin, Southbridge, Mass., assignor to Simonds Machine Co., Inc., Southbridge, Mass., a corporation of Massachusetts

Application September 18, 1946, Serial No. 697,701
5 Claims. (Cl. 51—64)

1. In a lens grinding machine having a work-engaging member and a lap, in combination, a carriage for said lap, a guide-bar, means to reciprocate said carriage along said guide-bar, a depending work-actuating member mounted on upper and lower shiftable pivots, and means to give the work a compound transverse reciprocating movement by moving one of said pivots to rapidly reciprocate said work transversely of the path of movement of the lap and by moving the other pivot to slowly shift the locus of the path



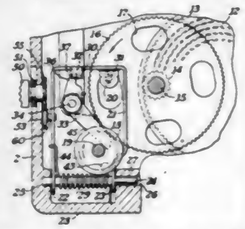
of reciprocating movement of the work during such rapid reciprocation transversely of said path of movement of the lap while maintaining the length of said transverse reciprocating movements substantially constant.

2,453,301

MULTIPLE AND INDIVIDUAL SHUTTER RELEASES FOR POWER-DRIVEN MOTION-PICTURE CAMERAS

Morris E. Brown and Norman F. Lehr, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 8, 1948, Serial No. 1,210
6 Claims. (Cl. 88—17)



1. A power-operated motion-picture camera releasing mechanism for cameras of the type including a source of power, a pull-down mechanism driven thereby, and gearing connecting the power drive and pull-down mechanism, said releasing mechanism including a pair of triggers, one of said triggers for individual exposures and the other of said triggers for multiple exposures, a notched disk movable with the gearing, a spring-actuated latch element normally engaging the notched disk for preventing movement of the power drive, one of said triggers directly engaging and moving the latch against spring pressure into an inoperative position so the motor may drive the pull-down; the other of the triggers including a pivoted member normally engageable with the latch element to move the same when the trigger is moved, and means actuated by the gearing for moving the pivoted element to release the latch after predetermined movement of the gearing.

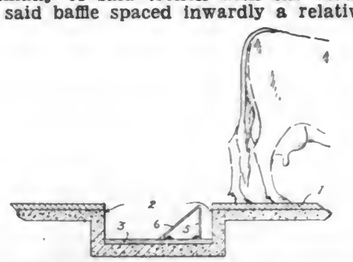
2,453,302

SANITARY COW GUARD

Jesse L. Cleveland, Two Harbors, Minn.

Application November 3, 1944, Serial No. 561,714
4 Claims. (Cl. 119—15)

1. A portable instrumentality for application within the excreta trench at the rear of a cow stall, comprising two spaced parallel base members, said base members being in length substantially the width of said trench and an elongated baffle having a vertical wall and an inclined wall, said baffle being fixed upon said base members longitudinally of said trench with the vertical wall of said baffle spaced inwardly a relatively



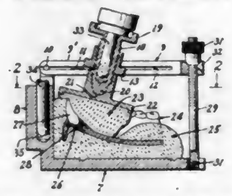
short distance from one end of said base members whereby when installed within said trench in the rear of said stall a vertical open space exists intermediate of the trench wall of said stall and the vertical face of said baffle.

2,453,303

DENTURE REPAIR TOOL

Allen B. Cline, Rosemead, Calif.

Application September 15, 1945, Serial No. 616,577
3 Claims. (Cl. 18—5.7)



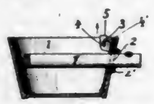
1. In a denture repair tool, an elongated base for supporting a denture to be repaired, a mold holder adapted to support contour-restoring mold for application to the repair area of the denture, an arm hingedly connected at one end to one end of said base, a member slidable along said arm, a member for supporting said mold holder, means connecting said mold-holder supporting member to said slide member so that the mold holder may be moved therewith to apply the mold to and remove it from the denture, said arm having a slot in its other end, an eye bolt hinged to the other end of said base and adapted to be swung into and out of said slot, and a nut on said bolt for clamping the arm in position to apply the mold to the denture and being adjustable to vary the pressure of the mold on the denture.

2,453,304

COMBINED CIGARETTE HOLDER AND ASH TRAY

Daniel J. Coffey, Bronx, N. Y.

Application January 17, 1947, Serial No. 722,545
3 Claims. (Cl. 131—175)



2. A combined ash tray and cigarette holder comprising a receptacle having an opening therein adapted to receive the mouth end of a cigarette, said receptacle being adapted to surround the entire lighted end of the cigarette so as to confine the cigarette within the same, a heat conducting ring for retaining the cigarette within the opening, and a latch having a curved engaging edge adapted to partially surround the cigarette and to tilt the same into the receptacle, whereby the hot end of the cigarette will first arrive at the underside of the ring and will be extinguished from the bottom to thereby leave the latch in engagement with the top of the cigarette to retain it in the ring and on the receptacle when the cigarette has burned to the lower edge of the ring, said receptacle being of circular formation and said latch conforming to the shape of the interior wall face of the receptacle.

2,453,305

PROCESS FOR REMOVING FATS FROM RUTIN EXTRACTS

James F. Couch, Glenside, and Charles F. Krewson, Erdenheim, Pa., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application November 25, 1947, Serial No. 788,077
1 Claim. (Cl. 260—210)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process of removing fat impurities from rutin which has been produced by solvent extraction of rutin-bearing plant materials, comprising filtering an aqueous solution of the rutin and the impurities through a glass fiber filter.

2,453,306

APPARATUS FOR MEASURING WALL THICKNESS OF PROPELLER BLADES

Dwillard J. Davis, Detroit, Mich., assignor to Avco Manufacturing Corporation, a corporation of Delaware

Application May 24, 1945, Serial No. 595,584
27 Claims. (Cl. 33—148)



9. Apparatus for measuring the wall-thickness of hollow propeller blades comprising: means for supporting the blade; a carriage mounted for movement longitudinally of the blade; a pivoted beam on the carriage adapted to extend into the blade and provided with a contact for engaging the inner face of the blade-wall; a second beam on the carriage, movable with said other beam, outside of the blade, and provided with a stop; a gauge; gauge-operating means; a contact for engaging the outer face of the blade-wall; a vertically movable carrier on which the gauge-operating means is operable by said stop and on which the gauge and outer contact are mounted; and screw-means for raising and lowering the carrier for engaging the contact carried thereby with the blade and shifting the operating-means to operate the gauge.

2,453,307

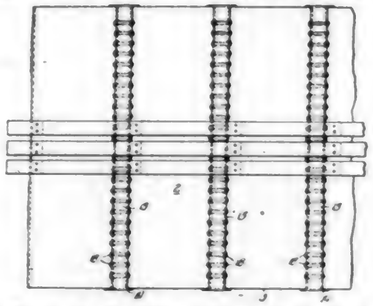
ROOF FOR RAILWAY FREIGHT CARS

Tony Despotakis, Hyde Park, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application March 28, 1947, Serial No. 737,819
3 Claims. (Cl. 108—5.4)

1. A roof for a railway car having spaced side plates each comprising a vertical element and a

substantially horizontal element, said roof comprising metallic roof sheets disposed crosswise of the car and formed with depending end flanges secured to said vertical elements, respectively, each roof sheet formed with upstanding side marginal flanges which are spaced a substantial distance from the corresponding flange of the adjacent roof sheet, said upstanding flanges each formed with a horizontal reflange which overlaps

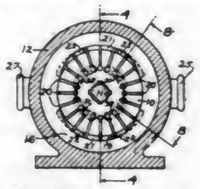


the reflange of the adjacent roof sheet, inverted channel-shaped caps straddling the upstanding flanges of adjacent roof sheets said caps terminating in depending end flanges which close the ends of the space between the flanges of adjacent roof sheets and extend downwardly and are secured to the vertical elements of the side plates, and means to secure the cap and adjacent roof sheet flanges together.

2,453,308
POLYVINYL BUTYRAL COMPOSITION
Richard D. Dunlop, Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 21, 1943, Serial No. 495,603
1 Claim. (Cl. 260—45.2)

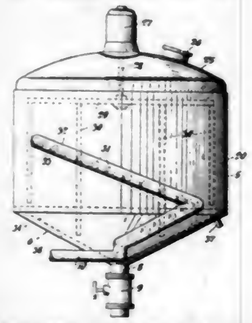
A composition of matter comprising 100 parts of a polyvinyl butyraldehyde acetal resin containing, on a weight basis, from 5–25% hydroxy groups calculated as polyvinyl alcohol, 37 parts of dibutyl sebacate, 10 parts of the ethyl ether of trimethylol melamine and 1.3 parts of monoethyl phosphoric acid, said ether being incorporated while in the fusible state.

2,453,309
VANE TYPE HYDRAULIC MOTOR
James K. Douglas, Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Original application December 29, 1939, Serial No. 311,479, now Patent No. 2,345,920, April 4, 1944. Divided and this application March 15, 1943, Serial No. 479,229
10 Claims. (Cl. 121—87)



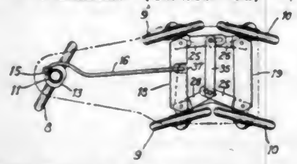
1. The combination, with a hydraulic motor having a vane track and a rotor arranged within said track and provided with a plurality of vanes for engaging said track, of means for directing motive liquid between said track and said rotor, means for causing each of said vanes to engage said track during at least a part of each revolution of said rotor to thereby enable said liquid to act upon said vanes and rotate said rotor, and means for causing all of said vanes to move inward out of engagement with said track and thereby prevent liquid directed between said track and said rotor from rotating said rotor.

2,453,310
APPARATUS FOR SEPARATING STARCH FROM GLUTEN
Lou Buck Edsall, Wyandotte, and Acton Keith Kilander, Gibralter, Mich., assignors, by mesne assignments, of 9,448/10,570 to Chemprotin Products, Trenton, Mich., a limited partnership, 561/10,570 to Laszlo Kormendi, New York, N. Y., and 561/10,570 to B. Clark Boeckeler, Gross Ile, Mich.
Application December 20, 1943, Serial No. 515,060
11 Claims. (Cl. 127—24)



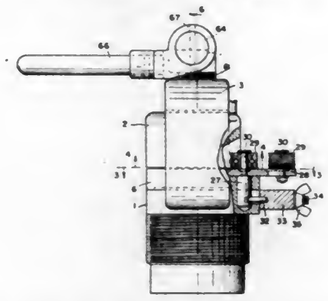
1. In a device for separating starch and gluten, the combination of a receptacle adapted to receive ground grain and water, a valved bottom pipe for drawing off gluten at the bottom, side perforated pipes for drawing off starch, a plurality of tubes on the bottom of said receptacle, air outlets in the said tubes for directing air circumferentially of the receptacle, and means for supplying air to said tubes.

2,453,311
STEERABLE VEHICLE UNDERCARRIAGE
Joseph J. Fedevich, Dover, Ohio
Application November 5, 1947, Serial No. 784,269
7 Claims. (Cl. 280—91)



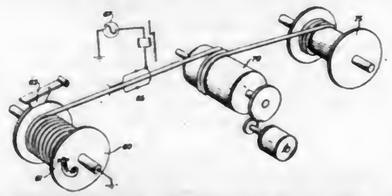
7. Vehicle undercarriage construction including front and rear axles arranged in tandem under the rear portion of the vehicle, a pair of wheels pivoted for individual steering on each of said axles, lever arms extending forwardly and rearwardly from said pivots and overlapping each other between said axles, a front wheel for steering said vehicle, means for steering said front wheel, means operatively connecting said front wheel steering means to said front tandem wheels for steering said front tandem wheels in the same direction as said front wheel, and a transverse link pivotally connected at its ends to both pairs of overlapping lever arms for simultaneously steering the rear tandem wheels in the opposite direction.

2,453,312
EXTRUSION APPARATUS
Larry C. Frazier, Lakewood, Ohio, assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application September 7, 1946, Serial No. 695,447
14 Claims. (Cl. 18—13)



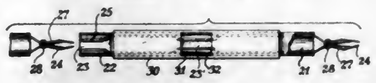
1. A nozzle for the extrusion of a plastic mass into an elongated body, comprising complementary body and cap members, whose opposed faces when in engagement define a forming cavity, a gauging insert carried by one of said members, forming a portion of the wall of said cavity and provided with a slot therethrough of a cross-section equal to the desired cross-section of the elongated body to be formed, said cavity including openings adapted to admit separate streams of material to said cavity on opposite sides of the slot in said insert, and means for clamping said members in assembled relation.

2,453,313
METHOD OF MANUFACTURING COMMUNICATION CABLES
Chester S. Gordon, Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 29, 1943, Serial No. 484,970
2 Claims. (Cl. 154—2.26)



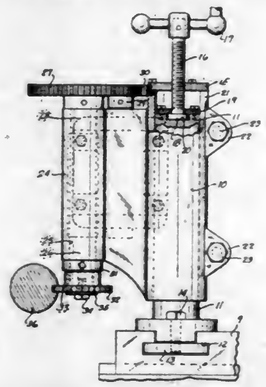
2. A method of manufacturing a long communication cable comprising applying directly about a pair of conductors encased in a common insulating body a conducting layer of high conductivity metal for stabilization of the electrical properties of the insulated conductors, sectionalizing said conducting layer to increase its overall resistance for localization in the lengthwise direction of the effect of an applied test voltage, applying said test voltage between the conductors and the successive portions of said conducting layer for breakdown of a fault in the insulation of said insulated conductors within the localized lengths of the cable, and then applying an outer protecting layer about said conducting layer.

2,453,314
POWER DISTRIBUTION SYSTEM OF THE BUS BAR DUCT TYPE
Herman John Hammerly, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application October 16, 1947, Serial No. 780,212
3 Claims. (Cl. 174—72)



1. A bus bar duct section comprising a one-piece bus bar of channel-shaped cross section having a socket integral therewith at one end and a wedge-shaped stab integral with the other end and an insulating tube surrounding said bus bar but removable therefrom.

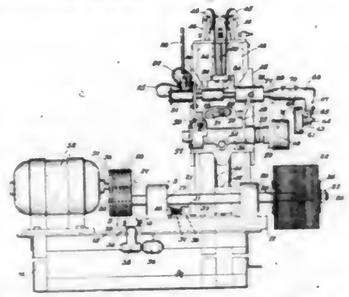
2,453,315
MILLING ATTACHMENT FOR LATHES
Joseph C. Harbison, Eldorado, Ill., assignor of forty-three and one-third per cent to Obe Roberts, Eldorado, Ill.
Application January 17, 1946, Serial No. 641,783
1 Claim. (Cl. 90—16)



In a lathe having a headstock and a tailstock and a carriage slidable therebetween, the combination with a milling attachment comprising an upright cylindrical tool post sustained by said carriage, a hollow cylinder sleeved on said tool post over the upper end thereof for rotary and axial sliding movement thereon and having a closed upper end, means for raising and lowering said cylinder on said post including a screw threaded downwardly through the closed upper end of said cylinder axially thereof and having a rotary but non-axially slidable connection with the upper end of said tool post, means for locking said cylinder to said post in all positions of rotary and axial adjustment thereon, said cylinder having a laterally projecting portion on one side thereof, an upright cutter shaft journaled in said laterally projecting portion of said cylinder, a cutter fixed to the lower end of said cutter shaft and adapted to engage work supported by said head and tailstock, an electric motor

mounted on said laterally projecting portion of said cylinder and having a vertically disposed armature shaft, and gearing connecting the upper end of said armature shaft to the upper end of said cutter shaft.

2,453,316
BUFFING MACHINE
Robert D. Harris, Massillon, Ohio, assignor to The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio
Application October 2, 1946, Serial No. 700,726
14 Claims. (Cl. 51—50)



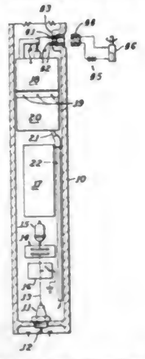
1. A buffing machine for buffing hollow ware, including a buffing wheel, means for rotating the buffing wheel, means for axially reciprocating the buffing wheel while it is being rotated, a ware chuck adapted to receive hollow ware to be buffed, means for rotating said chuck, means for normally holding the chuck spaced from the buffing wheel, a pressure pad, means for normally holding the pressure pad spaced longitudinally and laterally from the chuck, and fluid pressure and cam means for simultaneously moving the pressure pad into contact with the bottom of hollow ware upon the chuck and moving the chuck toward the buffing wheel to bring the surface of the hollow ware upon the chuck into contact with the buffing wheel.

2,453,317
COPOLYMER OF ISOPROPENYL ACETATE AND VINYL CHLORIDE
Rudolph Leonard Hasche and Edward M. McMahon, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 3, 1947, Serial No. 772,020
17 Claims. (Cl. 260—86)

14. A process for preparing a resinous copolymer comprising subjecting to polymerization in the presence of a peroxide polymerization catalyst a mixture consisting of from 80 to 95 parts by weight of vinyl chloride and from 5 to 20 parts by weight of isopropenyl acetate.

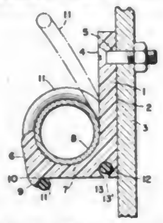
2,453,318
RADIOACTIVITY LOGGING DEVICE
Ralph E. Hartline, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application December 17, 1945, Serial No. 635,595
5 Claims. (Cl. 250—83.6)

1. In well-logging apparatus sealed against the entrance of external moisture, including means in an elongated chamber for measuring minute electrical currents, said means including at least one high resistance insulator and at least one internal source of moisture, the combination of a conduit extending through a substantial length of said chamber, a drying chemical wholly enclosed within said chamber and confined by dust-filtering



materials, and means for forcing the atmosphere in said chamber through said chemical and said conduit in series, said atmosphere being withdrawn from near said moisture source and being released near said high resistance insulator.

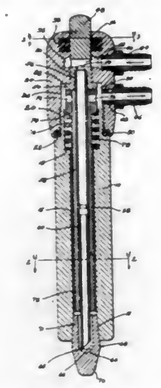
2,453,319
TUBE HOLDING DEVICE
Charles E. Holiyday, Jr., Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application February 21, 1945, Serial No. 578,963
6 Claims. (Cl. 248—74)



1. A tube holding device comprising a base adapted for mounting on a supporting structure and having an integrally formed ledge portion, said ledge having a channeled top surface adapted to support a tube, the free end of said ledge having grooved sides and bottom, a restricted entrant ring holding groove formed in said holder remote from the channeled top surface of the ledge and a ring having rubber-like physical characteristics arranged in said grooves about the supported tube and in the grooves at the free end of the ledge.

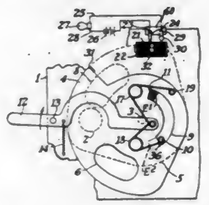
2,453,320
WELDING ELECTRODE HOLDER
Ernest W. Huebner, Detroit, Mich., assignor to Weiger Weed & Company, Detroit, Mich.
Application July 26, 1946, Serial No. 686,263
9 Claims. (Cl. 219—4)

1. A holder for welding electrode tips, comprising a tubular holder having a socket at one end for frictionally retaining a tip, a head member detachably connected to the opposite end of said tubular holder, said head being tubular and having fluid inlet and outlet ports, a rod projecting through the end of said head movable axially therein and separating the inlet port from the outlet port, an outwardly extending flange on said rod within said head for engagement therewith to limit outward movement of said rod, a tubular member within said tubular holder having one end in contact with the inner end of said rod, said tube being in fluid communication with the outlet port and open at its opposite end, a second tubular



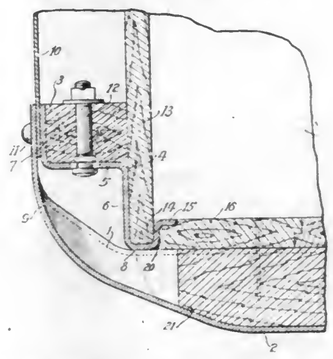
member within said first named tube and spaced from the inner wall thereof, said second named tube being carried by said rod and having a fluid communication through said rod to the fluid inlet passage, resilient means for urging said first named tube into contact with said rod for urging the latter outwardly, and fluid sealing means between said rod and head.

2,453,321
BUILT-IN FLASH SYNCHRONIZER FOR SHUTTER BLADE AND COVER BLIND TYPE SHUTTERS
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 12, 1945, Serial No. 622,027
5 Claims. (Cl. 95—11.5)



3. In a flash synchronizing shutter, the combination with a shutter mechanism comprising an apertured support, a pair of pivotally mounted plates each adapted to move to uncover and cover the aperture in the support, the first constituting a cover blind and the second a shutter plate, a movably mounted trigger, two springs, one attached to the cover blind and the other attached to the shutter plate, both springs being attached to and movable by the trigger, and a lost motion connection between the cover blind and the shutter plate, of a flash synchronizing switch carried by the support, said switch being normally open and including relatively fixed and movable elements, means carried by the cover blind for engaging and closing the switch, and means for connecting the switch to a flash light circuit including a battery and a lamp to be flashed thereby upon closing of the switch.

2,453,322
RAILWAY FREIGHT CAR CONSTRUCTION
Albert E. Jaeckle, Laural Park, N. Y.
Application September 20, 1947, Serial No. 775,162
4 Claims. (Cl. 105—410)



1. In a railway car having side wall and end wall linings, a corner structure comprising a corner post having a portion provided with a flange extending parallel with the plane of said end wall lining and a reflange overlapping a vertical edge of said side wall lining, said reflange provided with a flange extending parallel with said end wall lining, said reflange and last mentioned flange overlapping a vertical edge of said end wall lining, thereby providing a tight corner between said linings.

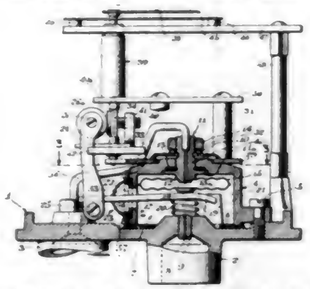
2,453,323
PHOTOGRAPHIC DEVELOPMENT BY FERROUS ALKALINE SOLUTIONS
Thomas H. James, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 26, 1946, Serial No. 706,073
5 Claims. (Cl. 95—88)

1. The method of forming a ferric oxide image in a silver halide emulsion layer, which comprises exposing said layer and developing it with an alkaline solution of a soluble ferrous salt and a soluble oxalate in an oxygen free atmosphere, said solution having a pH of at least approximately 8.

2,453,324
MOTION SEAL
Harry S. Jones, East Orange, and Winslow B. M. Clark, West Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application January 22, 1945, Serial No. 574,004
12 Claims. (Cl. 286—29)

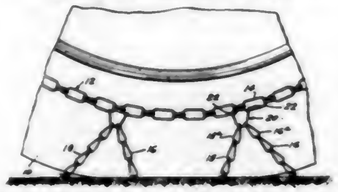
1. A motion seal for transmitting uniplanar pivotal movement comprising a flexible diaphragm, a relatively rigid lever means secured in fluid-tight relation to said diaphragm and having extending portions at opposite sides thereof, said lever means being pivotally supported at its junction with said diaphragm, and said diaphragm being so shaped that the cross section

thereof in the plane of said pivotal movement has a curvature of finite radius and the cross



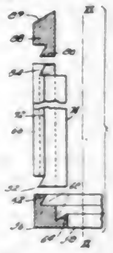
section thereof in a plane at right angles to said movement plane is substantially rectilinear.

2,453,325
NONSKID TIRE CHAIN
Walter F. Karstens, Arlington Heights, Ill.
Application February 28, 1947, Serial No. 731,680
6 Claims. (Cl. 152—239)



5. A pivot link for a non-skid tire chain for automobiles, said chain being of the type having a pair of circumferential rim chains, generally U-shaped pivot links connected at spaced intervals to said circumferential chains and traction chains connected to said pivot links in a diagonal manner, each pivot link having the end links of two traction chains connected thereto, the pivot link having its end formed into two oppositely disposed arcuately shaped portions to meet the direct strain of each of the cross-chains connected thereto.

2,453,326
PORTABLE BUILDING STRUCTURE
Sanders R. Lambert, Kansas City, Mo.
Application April 23, 1945, Serial No. 589,914
7 Claims. (Cl. 20—2)

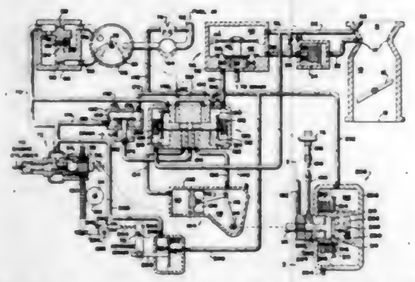


1. In a building structure of the character described; a base frame having tongues formed along the upper edges thereof; a header rail having tongues formed along the lower edge thereof; a corner post having an inside longitudinal tongue, an outside longitudinal tongue and a transverse tongue at each of its ends; and rectangular wall members having tongues along each of its sides and adapted to extend from said base to said header rail, whereby said corner post may be positioned with its transverse tongues engaging respectively, said base tongue and said header rail tongue and its longitudinal tongues respectively engaging tongues of wall members disposed at right angles to each other.

2,453,327
HYDROCARBON CONVERSION
Edwin T. Layng, Jersey City, N. J., and Frank T. Suman, Jr., Nyack, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application June 18, 1942, Serial No. 447,588
9 Claims. (Cl. 260—668)

7. In a process for treating hydrocarbons in which a hydrocarbon is contacted at elevated temperature with a catalyst essentially consisting of a major proportion of an alumina carrier and a minor proportion of an activating oxide of a metal of the left-hand columns of groups V and VI of the periodic table, which treatment is accompanied by the formation of carbonaceous deposits on the catalyst surface for deactivating the catalyst, the improvement which comprises reducing the rate of formation of said carbonaceous deposits on said catalyst surface by incorporating in said catalyst a minor proportion of titanium oxide.

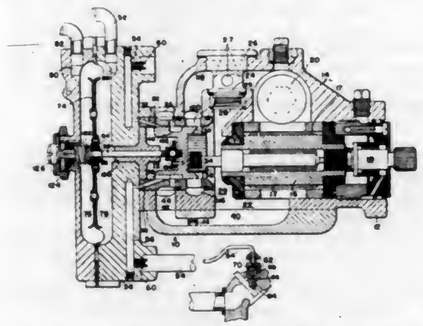
2,453,328
CONTROL APPARATUS FOR INTERNAL-COMBUSTION ENGINES
Leighton Lee, II, West Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application August 22, 1945, Serial No. 612,082
13 Claims. (Cl. 123—119)



1. A fuel supply system for an internal combustion engine, comprising injection pump mechanism for supplying fuel to the cylinders of said engine, means for varying the delivery of said pump mechanism, motor means for operating said delivery varying means, a conduit for combustion air flowing to said engine, means associated with said conduit for producing two unequal pressures whose difference is a measure of the rate of flow of combustion air to said engine, a conduit for fuel flowing to said pump mechanism, a metering restriction in said conduit, an expansible chamber, a restricted inlet passage for conveying fuel from said conduit to said chamber, a restricted outlet passage for said chamber, means for varying the restriction in one of said passages in response to the difference of said unequal pressures so as to vary the pressure in said chamber as a function of the rate of air

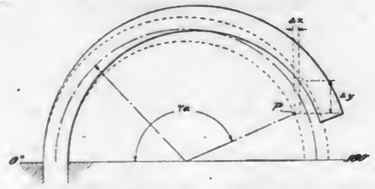
flow, and means responsive to the pressure in said chamber and to the fuel pressure differential across said metering restriction for controlling said motor means.

2,453,329
CONTROL APPARATUS FOR INTERNAL-COMBUSTION ENGINES
Leighton Lee, II, West Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application January 16, 1946, Serial No. 641,577
15 Claims. (Cl. 123—139)



2. A fuel control system for an internal combustion engine, comprising a chamber having ports for the discharge of fuel to the respective cylinders of said engine, rotary means in said chamber for placing said ports successively in communication with a fuel supply, a fuel pump having a fuel inlet and a fuel discharge outlet, a portion of said rotary means being exposed to the pressure of fuel emerging from said outlet, restricted-passage means for conducting fuel from said outlet to another portion of said rotary means whereby the latter receives fuel for distribution to said cylinders and is subjected to the differential pressure of fluid flowing through said restricted passage means, means connected to said rotary means for subjecting the latter to the differential pressure of air flowing to the engine, said rotary means being movable longitudinally in said chamber in response to variations in said air and fuel differential pressures, and other passage means controlled by longitudinal movement of said rotary means for providing a path for the flow of fuel from said pump discharge outlet to said pump inlet.

2,453,330
METHOD OF MAKING SPLIT PISTON RINGS
Lewis C. Marshall, East Walpole, Mass.
Application December 14, 1945, Serial No. 635,004
3 Claims. (Cl. 29—156.6)



1. Method of making a split piston ring operative to exert substantially uniform radial pressure against the cylinder wall when installed in the cylinder and which, when so installed, has an outside radius r_a and a mean radius r_m, and wherein an embryo ring is first formed by bending a length of steel wire to form an annular turn, cutting off said turn from said length at such a point as to produce an approximately circular ring having a gap therein, placing the ring upon a mandrel and compressing and heat treating the ring to conform it to the mandrel, characterized in that the peripheral surface of the mandrel to which the ring is conformed differs from a true circle—the horizontal deviation Δx and the vertical deviation Δy from a true circle at any point at an angle $180° - \psi_a$ from the mid-radius of the location of the ring-gap on the mandrel being in accordance with the equations

$$\Delta x = \frac{12 p_a r_a r_m^3}{E h^3} \times A_x$$

and

$$\Delta y = \frac{12 p_a r_a r_m^3}{E h^3} \times A_y$$

where E is the modulus of elasticity of the ring material, h is the radial thickness of the ring, and where p_a is the desired uniform pressure in pounds per square inch at the outside circumference of the ring, and

$$A_x = 1 - \psi a \sin \psi a - \frac{\sin^2 \psi a}{2} - \cos \psi a$$

and

$$A_y = \frac{\psi a}{2} + \sin \psi a - \psi a \cos \psi a - \frac{\sin \psi a \cos \psi a}{2}$$

2,453,331
CONNECTION FOR ENAMELED TANKS
William H. Martin, Lakewood, Ohio, assignor, by mesne assignments, to Republic Industries, Inc., New York, N. Y., a corporation of Delaware
Application September 2, 1943, Serial No. 500,953
5 Claims. (Cl. 285—49)

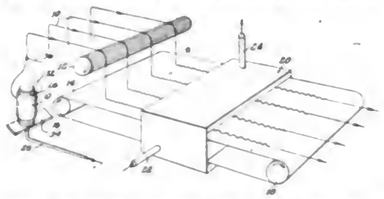


1. In a tank having a corrosion resistant lining, a pipe connection formed by providing an opening in a wall of the tank, an annulus having an axially extending skirt engaging said wall about said opening and providing an annular keying recess having a cross-sectional dimension greater than the width of its inlet and opening to the inner face of the wall, an external fillet weld joining said annulus and wall, a corrosion resistant coating over the inner surface of the assembly, and a body of thermo-plastic corrosion-resistant material filling said recess.

2,453,332
PROCESS OF TREATING YARN
Frederick R. Millhiser, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 22, 1944, Serial No. 555,210
5 Claims. (Cl. 8—149.3)

1. A process for substantially improving the physical properties of hot dip multifilament viscose rayon yarn wound up at the spinning machine on a bobbin whereby the yarn can be con-

verted to a tire cord having high resistance to fatigue, which comprises washing said yarn while on the bobbin, whereby said yarn is washed acid-free at constant length, unwinding the yarn, and

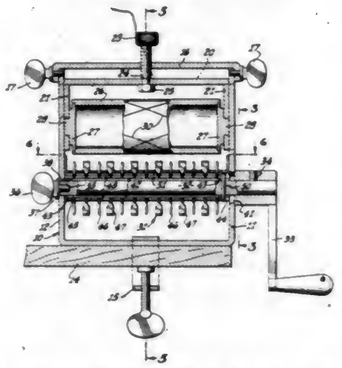


treating the unwound gel yarn with an aqueous fluid at a temperature above 90° C. while said gel yarn is under a tension not greater than 0.02 gram per denier.

2,453,333
REACTION OF BIGUANIDE AND ETHYLENE SULFIDE
Leonard P. Moore, New York, N. Y., and Walter P. Ericks, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 19, 1942, Serial No. 459,001
1 Claim. (Cl. 260—564)

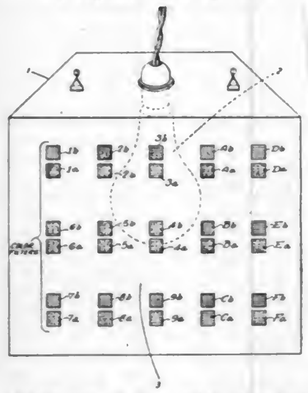
The method of preparing ethylene sulfide-biguanide complexes which comprises refluxing biguanide and ethylene sulfide in substantially the ratio of 0.05 mol of the former to 0.1 mol of the latter.

2,453,334
MEAT TENDERIZER
Frank H. Morgan, Glendale, Calif.
Application June 14, 1946, Serial No. 676,661
2 Claims. (Cl. 17—26)



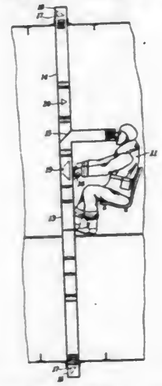
1. A meat tenderizer which includes: a frame; a shaft rotatably and removably mounted in said frame; a pin extending through said shaft; a tube carried by said shaft and having a slot therein adapted to receive said pin whereby the rotation of said shaft is transmitted to said tube; a series of knives mounted on said tube, said knives being formed of relatively thin material, and having a series of radially extending blades around their peripheries, said blades being narrower at their tips than at their roots and having cutting edges parallel to the planes of the knives and substantially perpendicular to the axis of said shaft; a second series of knives mounted on said tube, said second series of knives being formed of relatively thin material and having a series of radially extending blades around their peripheries, said blades being twisted so that their cutting edges are substantially perpendicular to the planes of the knives and substantially parallel to the axis of said shaft; spacers mounted on said tube between adjacent knives, said knives being mounted so that adjacent knives have blades which are perpendicular to each other; a cap mounted on one end of said tube; a cap mounted on the other end of said tube, said caps clamping said knives and spacers together to cause them and said tube to rotate and operate as a unitary knife assembly, a roller having its axis parallel to the axis of rotation of said knife assembly; means mounting said roller in said frame, said means being adjustable to move said roller toward or away from said knife assembly; a pan attached to said frame having slots therein through which the blades of said knife assembly extend; and a manually rotatable handle attached to said shaft for rotating the latter.

2,453,335
COLOR BLINDNESS CHART FOR DETECTING ANOMALOUS VISION, DEUTERANOPES, PROTANOPES, TRITANOPES, AND MONOCHROMATS
Reginald Burford Morris, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 27, 1944, Serial No. 560,628
In Great Britain November 9, 1943
4 Claims. (Cl. 88—20)



1. A device for testing color discrimination of the human eye, said device having a plurality of pairs of closely adjacent patches of color filter materials and including at least three such pairs capable of being transilluminated by white light, one patch of each pair when so illuminated transmitting substantially only a yellow wavelength band of light of wavelength between 570 and 600 mμ and appearing yellow to the normal human eye, and the other three patches of said three pairs transmitting both a red wavelength band of light of wavelength about 600 mμ and a green wavelength band of light of wavelength between 520 and 550 mμ, but not appreciably transmitting said yellow light, or any other visible wavelength band except the said red and green wavelength bands, one of said three other patches, namely the other patch in one of the three pairs, transmitting said red and green bands in a proportion such that it appears to the majority of people as about the same color as the adjacent yellow patch of that pair, another of said three other patches, namely, the other patch in a second one of the three pairs, transmitting a higher proportion of red than in said one of the three pairs so that it matches its yellow patch only for people with anomalous vision with a degree of red deficiency and the third one of said three other patches, namely, the other patch in the third one of the three pairs, transmitting a higher proportion of green than in said one of the three pairs so that it matches its yellow patch only for people with anomalous vision with a degree of green deficiency.

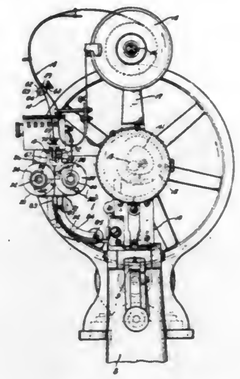
2,453,336
PERISCOPE LENS SYSTEM
William Donald Orser, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 31, 1945, Serial No. 585,861
5 Claims. (Cl. 88—57)



1. A periscope lens system comprising an objective, a positive field lens, two relay lenses, and an eyepiece, in which the two relay lenses are optically symmetrical with respect to the field lens whereby the lateral aberrations of this part of the system are corrected, each relay lens consisting of two halves separated by an airspace, and each half having a convergent effect, characterized by each relay lens in itself being unsymmetrical and having easily perceptible transverse aberrations, and by the system being convertible in that the inner halves of the two relay lenses are removable along with the field lens therebetween and the remaining two sections of the system are conjoinable to form a corrected periscope system of shorter length, and further characterized in that the outer halves of the two relay lenses each consists of an inner biconcave component and an outer biconvex component spaced apart by between $0.02f$ and $0.5f$ where f is the focal length of the half, the radius of curvature of that surface of each biconcave component which faces the biconvex component being between 0.08 and 0.50 times that of the other surface of the biconcave component.

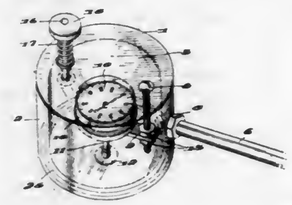
2,453,337
WIRE STITCHING FEED
Joseph N. Pagliarul, Milwaukee, Wis.; Enez Pagliarul Kowalsky (Enez Kowalsky), executrix of Joseph N. Pagliarul, deceased, assignor to Inland Wire Products Company, Chicago, Ill., a corporation of Illinois
Application September 4, 1944, Serial No. 552,645
6 Claims. (Cl. 140—131)

1. An apparatus for intermittently feeding wire embodying a pair of positively driven feed rollers, a feed segment pivotally mounted adjacent the periphery of one roller, said feed segment having an outwardly projecting gripping portion and an inwardly offset portion which limits the length of feed of the wire, a rotatively adjustable gage disc mounted on the other roller, a feed segment integral with said disc and extending adjacent a



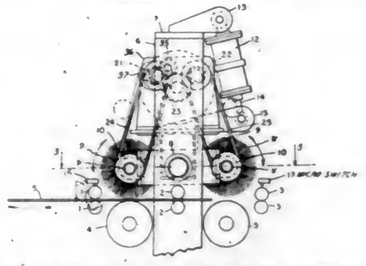
peripheral portion of its roller, means for resiliently urging the gripping portion of the first-mentioned feed segment toward the other feed segment, and adjustable means carried by the first-mentioned roller and contacting the pivotally mounted feed segment for limiting the yielding pivotal movement of said feed segment.

2,453,338
APPARATUS FOR INSPECTING SHEET MATERIAL
Theodore P. Pajak, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application November 9, 1945, Serial No. 627,564
3 Claims. (Cl. 73—37)



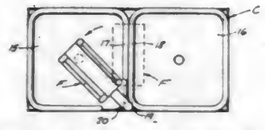
1. An inspection instrument for laminated materials comprising a cup-like member to be placed with its open side against a sheet of laminar material, said cup-like member having a transparent wall opposite said open side, a dial indicator mounted on said member so that the dial may be viewed through said transparent wall, the measuring foot of said indicator being located in the plane of the open side of said cup-shaped member, a vacuum line in communication with said member to continuously exhaust the interior of said member and a vacuum control valve mounted in the wall of said member to control the pressure within said member.

2,453,339
SHEET BRUSHING APPARATUS
Ruben O. Peterson, University Heights, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 27, 1944, Serial No. 555,919
7 Claims. (Cl. 15—77)



1. In sheet cleaning and polishing mechanism, the combination of means for supporting and feeding individual sheets edgewise, two rotary cylindrical brushes adapted to contact the surface of a sheet thus supported and fed, means adapted to bring said brushes alternately into contact with the sheet, means adapted to rotate the brush, wherewith the sheet first engages, in the direction of sheet travel, means adapted to rotate the other brush in the opposite direction, and means actuated by movement of the advancing sheet operative to time the operation of said means adapted to bring said brushes alternately into contact with the sheet.

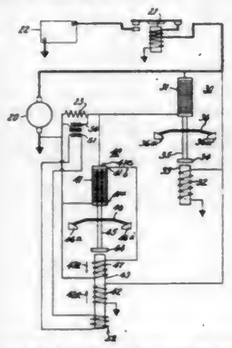
2,453,340
WRINGER AND WASH TUBS UNIT
Donato J. Porreca, Philadelphia, Pa.
Application November 9, 1943, Serial No. 509,534
4 Claims. (Cl. 68—22)



1. In combination, a pair of abutting tub structures, a wringer mounting receiving recess at one end of the line of abutment of said tub structures and extending on each side thereof a wringer mounting column arranged in said recess with its vertical axis substantially intersecting said line of abutment, a wringer structure mounted on said mounting structure, a notch in the wall of one of said tub structures adjacent said recess, said mounting being adapted to carry said wringer into alignment with said line of abutment and the wall of one of said tub structures transverse to said line of abutment and into an intermediate position where a portion of said mounting structure may be received in said notch to confine said wringer within the marginal and vertical dimensions of one of said tub structures.

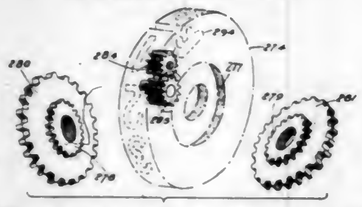
2,453,341
SYSTEM OF GENERATOR REGULATION
William J. Rady, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 26, 1944, Serial No. 555,882
6 Claims. (Cl. 322—19)

1. A system of regulation for a variable speed generator having an armature and comprising a generator shunt field winding and a variable resistance unit connected in parallel, one end of the parallel circuit being connected with one terminal of the armature, a carbon pile connected with the other terminal of the armature and with the other end of the parallel circuit, a spring normally biasing the carbon pile into low resistance status, an electromagnet opposing said spring and having a magnet coil responsive to generator voltage and tending to increase the resistance of



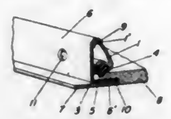
the carbon pile as generator voltage tends to increase whereby, as speed increases, the voltage drop across the carbon pile increases and the voltage drop across the ends of the parallel circuit tends to decrease, and means responsive to the decrease in voltage drop across the ends of the parallel circuit for causing decrease in the resistance of the variable resistance unit whereby, as speed increases, current in the variable resistance increases and current in the shunt field winding decreases.

2,453,342
TOTALIZING MECHANISM
Frederick Q. Rast, Chicago, Ill., assignor to Commercial Controls Corporation, a corporation of Delaware
Original application April 15, 1944, Serial No. 531,232. Divided and this application February 24, 1945, Serial No. 579,549
2 Claims. (Cl. 235—91)



1. In totalizing mechanism, in combination, an indicator wheel rotatably mounted on a shaft, said indicator wheel having digits from 0 to 9 on its periphery, a pair of differential pinions rotatably mounted on said wheel in meshing relation with respect to each other, a pair of sun gears of the same size rotatably mounted on said shaft, each of said sun gears meshing with one of said differential pinions, separate gear means of the same size for driving each of said sun gears in the same direction, each of said gear means being adapted to feed units into its sun gear, all units fed into said sun gears being equivalent in the amount of movement produced in a sun gear, whereby said sun gears acting through said differential pinions cause said indicator wheel to rotate an amount equal to the sum of all units fed into it from both sun gears, and tens transfer means actuated by said indicator wheel for registering accumulated tens.

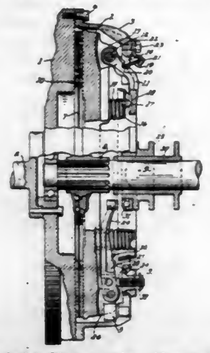
2,453,343
RETAINER STRIP
Mason J. Reilly, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application July 19, 1944, Serial No. 545,563
2 Claims. (Cl. 189—78)



1. In combination in a window structure, a wall member having an aperture formed therein, a closure panel positioned over said aperture, a channel extending around said aperture having a continuous recess formed with an upstanding free edge and a back wall disposed outwardly of said free edge, an inner flange placed at right angles to said back wall and extending inwardly of the edge of said panel to form a seat therefor with a sealing gasket spaced between the panel and said inner flange, a resilient gasket circular in cross section in engagement with the surface and edge of said panel, a thermoplastic retainer strip in engagement under compression between said free edge of the channel and said resilient gasket, said retainer strip being formed with one edge curved to conform with the curvature of the said upstanding free edge of the channel and the opposite edge positioned inwardly of the channel to engage the channel back wall with the strip area disposed inwardly of said last mentioned edge shaped to provide a semi-circular groove embracing the resilient gasket whereby said resilient gasket is worked around the panel edge co-incident with pivotal movement of the strip as the curved edge thereof is latched under said upstanding edge of the channel to secure the panel in place.

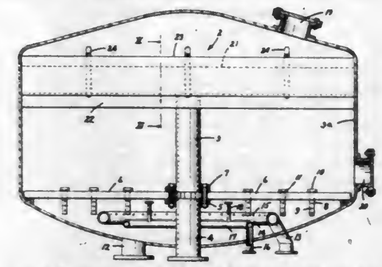
2,453,344
FRICTION CLUTCH OPERATING MECHANISM
Robert S. Root, Syracuse, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application June 19, 1947, Serial No. 755,701
4 Claims. (Cl. 192—99)

1. An engaging and release mechanism for clutches of the type including driving and driven members in which the driving member includes a body, an axially movable pressure ring and a back plate, and the driven member includes a plate extending between the body and the pressure ring, said mechanism including a lever pivoted to the pressure ring on the outer rear side thereof and extending radially inward therefrom, loaded spring means thrusting in opposite directions against the pressure ring and the inner end portion of the lever, and a fulcrum member for the lever, the lever being formed with an open socket between its ends on the rear side thereof for one end of the fulcrum member, and the back plate being provided with means formed with an open socket for receiving the other end of the fulcrum member, the fulcrum member and the lever forming a normally folded toggle movable



toward a straight line under the influence of the spring means to engage the clutch.

2,453,345
FILTERING APPARATUS
Stuart B. Row, Roanoke, Va., and Edward L. Woolley, Morton, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 28, 1945, Serial No. 602,054
11 Claims. (Cl. 210—144)



1. In a filter comprising a vessel having an inlet conduit and an outlet conduit, means for supporting a filter bed in the vessel, and means below the filter bed for introducing a fluid for backwashing upwardly through the bed, a launder construction comprising a walled receptacle in the vessel, means for supporting the receptacle above the filter bed, said receptacle being open for communication with the region therearound adjacent an upper level in the receptacle and an upper level in the vessel, said receptacle having an outlet conduit for discharge of backwashed material, sloped baffle means extending downwardly and outwardly from the receptacle, additional baffle means outside the receptacle and spaced therefrom having an upper rim above the level of communication of the receptacle with its surrounding region and a lower edge spaced above, and inwardly from the outer edge of, the sloped baffle means and below the level of communication between the receptacle and its surrounding region.

2. In a filter comprising a vessel having an inlet conduit and an outlet conduit means for supporting a filter bed in the vessel, and means below the filter bed for introducing a fluid for backwashing upwardly through the bed, a launder construction comprising a walled receptacle in the vessel, means for supporting the receptacle above the filter bed, said receptacle being open for communication with the region therearound adjacent

an upper level in the receptacle and an upper level in the vessel, said receptacle having an outlet conduit for discharge of backwashed material, sloped baffle means extending downwardly and outwardly from the receptacle, additional baffle means outside the receptacle and spaced therefrom having an upper rim above the level of communication of the receptacle with its surrounding region and a lower edge spaced above, and inwardly from the outer edge of, the sloped baffle means and below the level of communication between the receptacle and its surrounding region, and pressure relief means communicating with a region below the sloped baffle means and with a more elevated region outside the additional baffle means.

2,453,346

STABILIZATION OF PROCESSED PHOTOGRAPHIC EMULSIONS TO HIGH TEMPERATURES AND HUMIDITIES

Harold D. Russell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 25, 1945, Serial No. 624,571

8 Claims. (Cl. 95—88)

1. A rapid process for the formation of an image in a hardened silver halide photographic layer which comprises exposing said layer, developing it with a silver halide developing agent and stabilizing it in the presence of a metal below silver and above osmium in the electromotive series, with a compound selected from the class consisting of compounds containing sulfur doubly bonded to a single carbon atom and SH linkages bonded to a carbon atom which does not react readily with metallic silver and which forms a light-inert silver complex by reaction with undeveloped silver halide, only until the silver halide has been substantially completely converted to a complex by reaction with said compound, leaving said complex in said layer and drying said stabilized image without any further treatment.

2,453,347

STABILIZATION OF PHOTOGRAPHIC PRINTS WITH THIOPHENOLS

Harold D. Russell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 30, 1946, Serial No. 713,383

5 Claims. (Cl. 95—88)

1. A rapid process for the formation of an image in a hardened silver halide photographic layer which comprises exposing said layer, developing it with a silver halide developing agent to form a silver image and immediately thereafter stabilizing it by treatment with a solution of a thiophenol only until the silver halide has been substantially completely converted to a complex with said thiophenol, leaving said complex in said layer and drying said stabilized image without any further treatment.

2,453,348

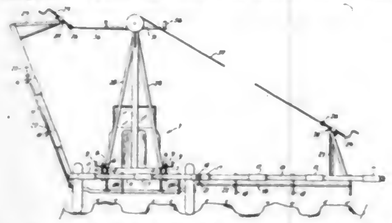
ROW-CROP CARRYALL

Ellis H. Spiegl and Ralph A. Spiegl, Salinas, Calif.

Application May 14, 1945, Serial No. 593,740

9 Claims. (Cl. 296—65)

1. A carry all of the character described comprising: a chassis; front and rear seat racks transversely mounted on said chassis, each of said racks including a main section arranged to assume a horizontal position and a lateral section arranged to assume either a horizontal position



or a substantially vertical position; and transversely spaced seats mounted on said front and rear racks, the seats of said front rack being staggered with respect to the seats of said rear rack.

2,453,349

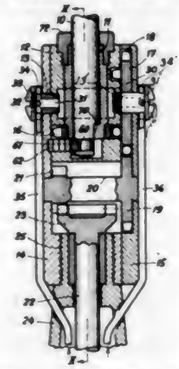
DRILLING APPLIANCE

Oskar Stalder, Thun, Hunibach, Switzerland, assignor to Fried. Schenk's Wwe. Stadtmuhle Bern, Bern, Switzerland, a firm

Application October 16, 1946, Serial No. 703,608

In Switzerland October 19, 1945

5 Claims. (Cl. 32—58)



1. In a drilling appliance, in particular for dental work, a case, a swivel drill-stock rotatably mounted on said case, a rotatable collet contained in said swivel drill-stock, a drill held in said rotatable collet, a first toothed wheel mounted on said rotatable collet on that side of the swivelling axis of said swivel drill-stock which lies opposite to the cutting end of said drill, a second toothed wheel mounted on said case to revolve about the swivelling axis of said swivel drill-stock, in driving connection with said first toothed wheel, a live spindle, and an intermediate gear mounted on said case and provided with two toothed rims, the one rim meshing with said second toothed wheel, and the other rim being in driving connection with said live spindle.

2,453,350

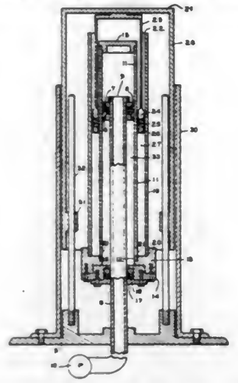
HYDRAULIC TELESCOPING LIFTING JACK

Raymond F. E. Stegeman, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application August 11, 1945, Serial No. 610,324

6 Claims. (Cl. 121—46)

1. A lifting jack comprising a base, telescoping inner and outer cylinders, means movably supporting said cylinders on said base, said outer cylinder having a connection with said inner cylinder for movement thereby, means movable in said outer cylinder in response to pressure therein, fluid pressure responsive means for moving said



inner cylinder, and fluid pressure generating means actuated by said inner cylinder and having a fluid medium communicating with said outer cylinder for moving said pressure responsive means.

2,453,351

COMPOSITION FOR INHIBITING FOAM

Henry E. Tremain and Leslie R. Bacon, Wyandotte, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan

No Drawing. Application July 26, 1945, Serial No. 607,275

3 Claims. (Cl. 252—321)

3. A composition for suppressing the formation of foam in aqueous systems, consisting essentially of a compound selected from the group consisting of di-tertiary amyl phenoxyethanol, p-tertiary amyl phenoxyethanol, di-tertiary amyl phenoxypropanol, and di-tertiary amyl phenoxy isopropanol; and 50 to 90% by weight anhydrous sodium carbonate, the resultant composition retaining essentially the dry, solid form physical appearance of the sodium carbonate itself.

2,453,352

COMPOSITION FOR INHIBITING FOAM

Henry E. Tremain and Leslie R. Bacon, Wyandotte, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan

No Drawing. Application July 26, 1945, Serial No. 607,276

2 Claims. (Cl. 252—321)

1. A composition for suppressing the formation of foam in aqueous systems consisting of, by weight, 20 to 40% di-tertiary amyl phenoxyethanol, 35 to 50% 2-methyl-2, 4-pentanediol, 10 to 40% water and 4 to 10% of a sodium petroleum sulfonate.

2,453,353

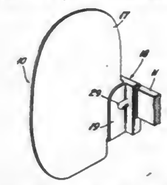
SEPARATOR SHIELD

Richard K. Whitehead, Atlanta, Ga.

Application June 3, 1947, Serial No. 752,089

3 Claims. (Cl. 57—108)

1. In a separator shield for spinning frames and the like, a separator plate of sheet material, said plate having an anchoring means, a hub formed integrally and in one piece with said separator plate and embracing said anchoring means and



both sides of said plates adjacent said anchoring means, said hub having a part to be secured to a support.

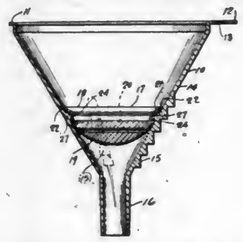
2,453,354

CULINARY UTENSIL

William C. P. Zabel and Richard C. Helfenbein, Chicago, Ill., assignors to Plasmetl Corporation, Chicago, Ill., a corporation of Illinois

Application December 7, 1945, Serial No. 633,454

1 Claim. (Cl. 210—155)



A utensil of the class described comprising a body having at predetermined points upon the interior wall thereof in a horizontal plane with respect to each other a plurality of latching lugs, a strainer having a peripheral flange portion tapered upwardly and outwardly and an intermediate horizontal wall portion providing an outer surface transversely concave, said lugs having convex surfaces adapted to snap into said concave surface of said horizontal wall portion when said strainer is pressed into said body, the bottom wall of said strainer extending from the lower peripheral portion of said strainer.

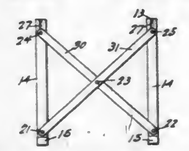
2,453,355

PAINTER'S EASEL ATTACHMENT FOR LADDERS

James L. Arnold, Oakland, Calif.

Application July 15, 1947, Serial No. 761,131

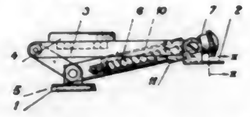
2 Claims. (Cl. 248—210)



1. An easel attachment for ladders having steps, comprising; two members each comprising a flat bar bent into a hook at one end to engage the underside and back of a step, and intermediately bent down to engage the front of the step and with the bent down portion terminating in a supporting hook at a distance equal to the spanning distance across two steps of the ladder for support of the dependent hook against rearward thrust, and bracing for coupling the two members

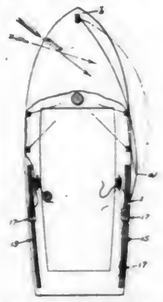
together to provide a unitary structure and comprising cross-bracing collapsible and expandible at will and including two members intermediately pivoted together and forming four legs, with two of said legs pivoted to the lower ends of the respective bent-down portions and the other legs including means releasably engageable with means at the upper ends of said bent-down portions.

2,453,356
HATCHING DEVICE
Georges Baer, Paudex-Lausanne, Switzerland
Application June 27, 1946, Serial No. 679,699
In Switzerland January 30, 1946
1 Claim. (Cl. 33—110)



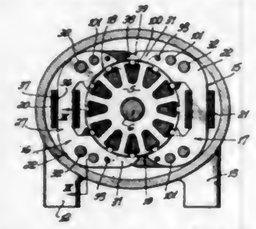
A hatching device for controlling the motion of a rule parallel to itself by equal successive displacements, comprising in combination a movable foot adapted to adhere by friction on the surface of a drawing, a removable support rigidly adaptable on the rule, an extensible arm linking said movable foot with said support, means for shortening said extensible arm by any predetermined amount by pressure thereon, said extensible arm comprising a threaded shaft slidable through said removable support and screwed by its one end in a sleeve hingedly carried by said foot and by its other end in a nut with micrometric scale, said nut acting on the one hand as rest abutment maintaining said arm in its extended position under the action of a spiral spring wound on said shaft, and enabling on the other hand, by suitable rotation, modifying the length of said arm to adjust the run of said movable foot and consequently the rule.

2,453,357
SHEAVE BLOCK WITH SELF-LOCKING TRACK SLIDE
Robert Y. Barkley, Weems, Va.
Application December 26, 1947, Serial No. 793,977
10 Claims. (Cl. 114—111)



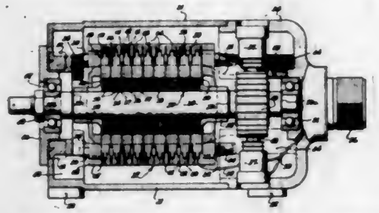
9. Combined sheave block and locking track slide comprising a track slide having a base with side panels adapted to slidably embrace the lateral flanges of a track, an upstanding support on said base, a jam arm intermediately pivoted on said support, the length of the lower portion of said jam arm from its pivotal axis to its lower end being slightly greater than the perpendicular distance from said axis to the upper face of a track embraced by said track slide, whereby said jam arm is inclined forwardly in a downward direction when resting on said track, said base having an opening permitting contact of said jam arm with said track, an eye bolt extending longitudinally of said track slide swivelly secured to the upper part of said jam arm extending forwardly thereof, a sheave block tethered in the eye of said eye bolt, said sheave block comprising an arcuate bight portion slidable through the eye of said eye bolt and stops at the ends of said bight portion limiting the range of sliding movement of said sheave block relative to said eye bolt.

2,453,358
ELECTRIC MOTOR
Alex Bertea, Pasadena, Calif.
Application March 7, 1945, Serial No. 581,420
4 Claims. (Cl. 172—36)



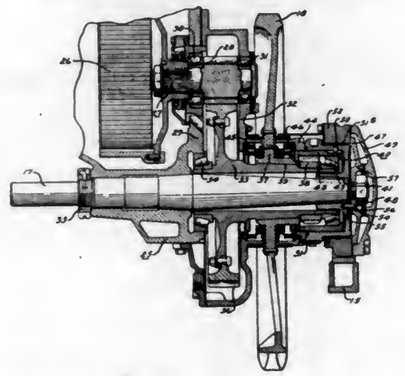
1. In an electric motor, a field structure comprising a first plurality of laminations having an asymmetrical C-shape, the legs of said C-shape terminating in arcuate portions of given lengths all lying on the surface of a circular cylinder, a second plurality of laminations having an asymmetrical C-shape, the legs of said C-shape terminating in arcuate portions of lengths different from the given lengths of the first plurality and all lying on the surface of said circular cylinder, said first and second pluralities of laminations being arranged to define a plurality of circumferentially extending teeth spaced along the axial edges of said arcuate portions.

2,453,359
ELECTRIC MOTOR
Alex Bertea, Altadena, Calif.
Application July 23, 1946, Serial No. 685,588
1 Claim. (Cl. 172—36)



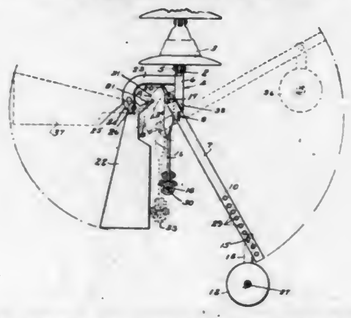
An electric motor comprising, an armature adapted to rotate about an axis and having projecting leaves that are formed in axially extending rows on the circumference thereof and that are axially spaced along the armature, and a field winding of two general C-shaped magnets disposed tip-to-tip and having windings about the central part of the C-shapes and having leaves projecting from the pole faces thereof to fit between the projecting leaves of the armature, characterized by the edges of the field leaves adjacent to the windings being differently contoured to provide pole face edges having a pre-selected flux density pattern.

2,453,360
BEARING MOUNTING FOR DRIVE SPROCKETS OF TRACK TYPE TRACTORS
George E. Burks, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application June 20, 1945, Serial No. 600,530
6 Claims. (Cl. 180—9.1)



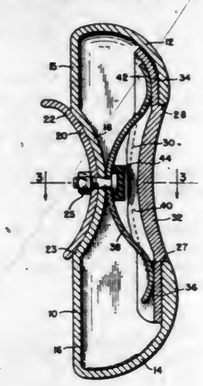
6. In drive mechanism for a tractor having a housing and a truck frame, a shaft positioned between the housing and the truck frame, means providing a pivotal support for the frame about the shaft, a driving unit including a quill surrounding the shaft and a sprocket on the quill, a bearing for one end of the quill between the quill and the housing, and a second bearing for the other end of the quill between the quill and said pivotal support, said pivotal support providing an outer surface for pivotal contact with said truck frame, a recess for receiving said second bearing in substantial radial alignment with said pivotal contact surface, and a central inner portion for receiving the shaft.

2,453,361
ELECTRIC LINE DEICER
Clyde H. Clement, Phoenix, Ariz.
Application March 27, 1946, Serial No. 657,392
3 Claims. (Cl. 174—40)



1. A deicer for electrical lines comprising a frame adapted to attachment to a pole insulator having a vertical member and an outwardly extending member, a beam pivotally mounted on said vertical member, having a counter weight on its outer end and a depending link on its inner end, a line wire clamp attached to the lower end of said link, and a hammer pivotally mounted on said outwardly extending frame member in an outwardly and upwardly extending slot therein, a trip prong extending radially from the axis of said hammer support, a trip loop carried on the inner end of said beam adapted to engage said hammer prong during a portion of its downward arcuate travel whereby said hammer is raised and released at the limit of said travel so that said hammer will fall and strike said line wire clamp; said hammer being supported so as to move out of the way of said trip during its upward arcuate swing.

2,453,362
NONINTERLOCKING BUMPER GUARD
Harvey R. Connor, Seattle, Wash.
Application October 11, 1947, Serial No. 779,389
4 Claims. (Cl. 293—67)

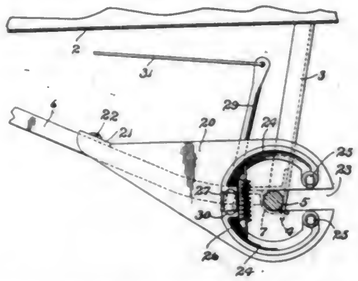


1. A non-interlocking bumper guard designed for attachment to the front or rear bumper of an automobile, consisting of: a housing member having an interior cavity and an outer shell, said outer shell being deformed to engage the surface of a meeting car bumper; means for securing said housing to the car bumper; a curved upper housing portion; a curved lower housing portion; each of said upper and lower housing portions having a horizontal bearing surface on their inwardly directed ends; vertically disposed cuts in said housing adapted to provide bearing surfaces and to form with the surfaces of the upper and lower housing members an opening into the interior of said hollow bumper guard; an insert member adapted for movement within said opening; upper and lower stop portions formed as continuations of said insert; resilient means disposed to urge said insert outwardly of said housing member; and cushioning means disposed to limit the inward displacement of said insert.

2,453,363
BRAKE FOR WAGONS
Thomas I. Duffy, Grand Haven, Mich., assignor to Anderson-Bolling Mfg. Co., Grand Haven, Mich., a corporation of Michigan
Application February 28, 1945, Serial No. 580,139
5 Claims. (Cl. 188—2)

1. In a wagon construction, a body, a horizontal rear axle located below and transversely

of the body, supporting means at the lower end of which said axle is carried and the upper end of which is secured to the bottom of the body, a wheel at each end of the axle rotatably mounted thereon, a brake drum at the inner side of each wheel, a brace connected to the lower end of the support, one at each side thereof, extending forwardly and upwardly to and secured to the under side of said body, a plate connected to each brace and extending



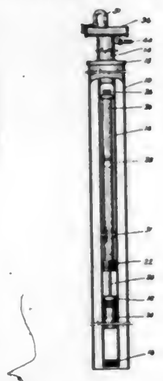
rearwardly across the open inner side of its associated brake drum, said plate being horizontally slotted from its rear end inwardly a distance for the passage of said axle, brake shoes movably mounted one above and one below the slot on each of said plates, said brake shoes on a plate entering an associated brake drum, means normally tending to move said brake shoes toward each other, and means pivotally mounted on each plate and operatively connected with said brake shoes for moving them into friction engagement with their associated drums.

2,453,364
PROTECTING ATTACHMENT FOR HAIR DRIERS
Margo S. Fears, Norfolk, Va., assignor to Alice H. Grabb, Monticello, Ill.
Application October 10, 1946, Serial No. 702,447
1 Claim. (Cl. 34—90)



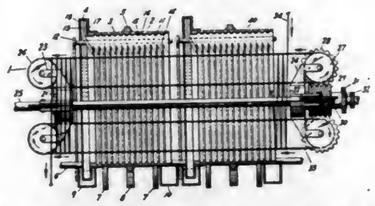
A protecting device of the character described comprising an annulus formed of a single thickness of a thin flexible waterproof material, means about the upper edge of the annulus for binding the material of said annulus about the lower end of a hair drying machine, a band about the lower edge of the annulus dimensioned to engage snugly about the forehead and head of a person whose hair is to be dried, an elastic drawing means in the last named band, the fullness of the flexible waterproof material between the upper and the lower edges of the annulus being such that the material may be bowed outwardly, and a plurality of spaced elongated spouts carried directly by and supported wholly by the single wall of the annulus, which spouts open into and discharge moist air from the space within the annulus and said spouts being of such length and being so directed radially outward and being of such rigidity as to discharge the said hot moist air at a point remote from the face of the user.

2,453,365
RODLESS PUMP
Ralph C. Ferguson, Hollydale, Calif.
Application November 23, 1945, Serial No. 630,164
11 Claims. (Cl. 103—46)



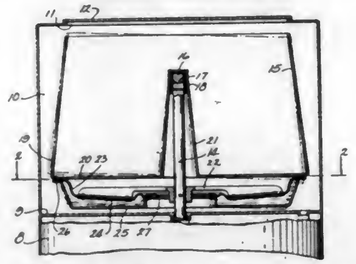
1. A pump including: a length of outer tube closed at its upper and lower ends and adapted to be positioned within a well; a valve arranged in the closed lower end of said tubing for admitting gas under pressure sufficient to balance the static pressure of the liquid in the well and forming a pneumatic cushion; a length of tube positioned within and spaced from said outer tube; means supporting the inner tube within the outer tube, said means being formed to enable fluid to pass from within said outer tube above said inner tube between the inner and outer tubes, and to below said inner tube; a non-return valve at the upper end of said inner tube; a sealing gland at the lower end of said inner tube; a piston rod arranged within and spaced from the wall of said inner tube and extending downwardly through said gland; a piston carried at the upper end of said piston rod and sliding in said inner tube; one-way valve means carried by said piston to permit fluid standing between the piston rod and inner tube to flow therethrough on downward movement of the piston rod; conduits arranged to lead liquid from the well through said outer and inner tubes into the space between said piston rod and the wall of the inner tube; a piston at the lower end of said piston rod sliding in said outer tube; and means for applying pressure to the upper end of the fluid column standing in said outer tube to force said piston rod downwardly against the resistance of the pneumatic cushion and to relieve said pressure to enable the compressed air of said pneumatic cushion to discharge fluid carried above the upper piston head from said outer tube and from the well.

2,453,366
METHOD AND APPARATUS FOR LIQUID TREATMENT OF YARN, THREAD, AND THE LIKE
William H. Furness, Haddonfield, N. J., assignor to American Rayon Company, Inc., Collingswood, N. J., a corporation of New Jersey
Application October 28, 1942, Serial No. 463,654
16 Claims. (Cl. 8—151.1)



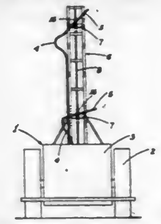
12. Method of treating yarn or the like while it is traveling in a given direction with a body of liquid which is progressively displaced in the opposite direction, which method comprises the steps of wetting a surface with fresh liquid, moving the surface to overlie the yarn, wiping entrained liquid from the surface, and dripping it upon a portion of the traveling yarn in a zone near the end of its travel; receiving the liquid draining from the yarn upon a second surface, moving said second surface to overlie the yarn, wiping entrained liquid from said second surface and dripping it upon another portion of the traveling yarn before such portion reaches the zone in which fresh liquid is applied.

2,453,367
SELF-BALANCING CENTRIFUGE
Mark A. Giblin, West Allis, Wis.
Application February 10, 1941, Serial No. 378,261
18 Claims. (Cl. 210—63)



1. In a centrifuge system, the combination with a centrifuge drum, of a shaft provided with a coupling to said drum upon which said drum is universally yieldable respecting said shaft from a predetermined central position in response to unbalance, means for rotating said shaft at a predetermined rate, spring means biasing said drum toward said position and offering progressively increasing resistance to displacement from said position, whereby the displacement of said drum in response to centrifugal force acting on an unbalanced weight thereof will be substantially proportioned to the weight occasioning the unbalance and will occur in a plane including the axis of the drum and the location of said weight, and balancing means in operative connection with said drum and comprising a first element fixed with respect to said shaft, a second element disposed adjacent the first element and connected with the drum to move relative to the first element to an extent proportionate to the displacement of the drum, said second element being mounted for universal movement with the drum respecting the first element, said elements extending about the shaft, whereby the movement of the second element respecting the first element including components of movement axially of the shaft and opposite in direction at opposite sides of the shaft, weight means positioned by said elements and movable transversely of said shaft in a net value proportioned to the approach of the second element to the first on the side of said shaft at which said drum is weighted and the recession of the second element from the first on the opposite side of the shaft whereby the net shift of weight transversely of the shaft is proportioned to the amount of weight responsible for the unbalance of the drum, said first element comprising means for guiding and confining said weight means in the course of its movement transversely of the shaft whereby to balance the system.

2,453,368
SPRAY OPERATING MECHANISM
Alfred D. Goodwin, Manteca, Calif.
Application April 26, 1945, Serial No. 590,439
4 Claims. (Cl. 299—62)

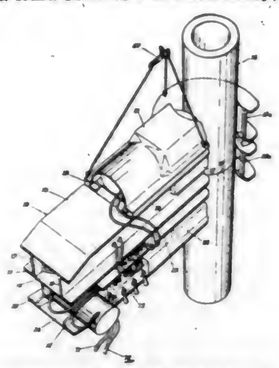


1. A spray machine including an upstanding tower, a vertically adjustable supporting member on the tower, a horizontal rock shaft journaled on the supporting member, a nozzle secured transversely on the rock shaft, and power means operative to rock said shaft irrespective of the position of vertical adjustment of the supporting member; said power means including a driven vertical shaft mounted in connection with the tower, said driven shaft having a vertically slidable but relatively non-rotatable sleeve thereon, and a wobble plate unit connected between said sleeve and the rock shaft.

2,453,369
PIPE TONGS
Donovan B. Grable, Long Beach, and John M. Jackson, Santa Monica, Calif.
Application May 15, 1945, Serial No. 593,870
9 Claims. (Cl. 255—35)

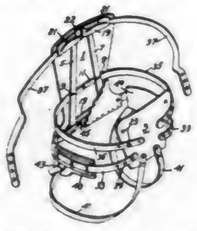
9. A unitary pipe tongs assembly comprising upper and lower body sections having alined recesses providing openings through which the pipe may enter said recesses upon bodily movement of the tongs transversely of the pipe, each of said sections including a lever extending outwardly from the recess, interlocking elements on the respective sections maintaining said recesses in axial alinement for reception of the pipe and supporting one section by the other section while permitting relative oscillation of the sections about the pipe axis, pipe gripping means carried by each section, fluid pressure actuated power sources carried by said sections for operating said gripping means, fluid pressure actuated means carried by said assembly and connected to outer

portions of said levers to effect said relative oscillation of the sections, a rotatable element carried by the tongs and engageable with the pipe to rotate same, a fluid motor for rotating said element, a fluid control valve assembly, and fluid



conduits connecting said valve assembly with said power sources, fluid pressure actuated means and fluid motor, said valve assembly being operable to selectively actuate said power sources, fluid pressure actuated means and fluid motor.

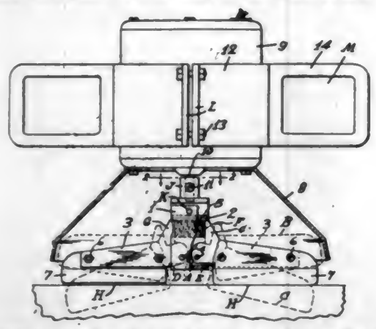
2,453,370
SURGICAL BRACE
Herman G. Hittenberger, Oakland, Calif.
Application September 16, 1946, Serial No. 697,287
12 Claims. (Cl. 128—78)



1. A brace comprising a posterior pad including a pair of vertically disposed strips, means pivotally connecting said strips at an intermediate location thereon to provide a fulcrum for each of said strips whereby to permit an approach of the lower ends of said strips toward each other in response to separation of the upper ends, means secured to the lower ends of said strips and capable of being fastened about the body of a patient, means for applying separation forces to the upper ends of said vertically disposed strips, and means responsive to the resulting pivotal movement of said vertical strips for locking the same against subsequent movement.

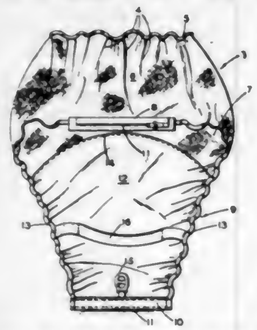
2,453,371
POWER ACTUATED ROTARY SCRAPING TOOL FOR MEAT BLOCKS
Elmer B. Hobson, Wichita, Kans.
Application August 30, 1946, Serial No. 693,864
2 Claims. (Cl. 144—2)

2. In a rotary scraping tool for meat blocks, a vertically positioned body element, said element being slotted transversely and having a transverse circular opening therethrough above and constituting a continuation of the slot, a pair of substantially horizontal blade carrying arms oppositely extending from the body in alignment with each other with their confronting ends engaging in the slot and rockably mounted in the body for separate and simultaneous movement of the arms as required for surfacing of a meat block, scraping blades carried by the arms, said blades obliquely extending from the arms with



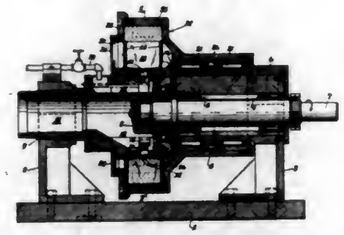
respect to cross section, a coil spring positioned in the circular opening, said arms having upright extensions over the ends of the spring as means to urge the arms downwardly, a portable electric motor and means to secure the motor's drive shaft to the upper end of the body element to rotate the same.

2,453,372
LADY'S UNDERGARMENT
Mary K. Janin, Port Credit, Ontario, Canada
Application July 16, 1947, Serial No. 761,350
5 Claims. (Cl. 2—224)



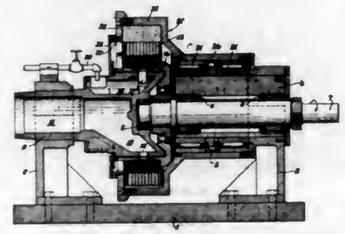
1. A panty or the like, comprising a front portion and a back portion constituting an endless body encircling structure gathered at its upper edge, an elastic band secured to said gathered edge and adapted to snugly embrace the waist of the wearer, one of said portions having a lower edge provided with a length of inelastic tape positioned between and spaced from the sides of the garment, the other portion being provided with a crotch flap extension having at its end a length of inelastic tape, means detachably connecting the lengths of inelastic tape to one another, limb encircling elastic tapes secured to the lower edge of one of said portions and to the side edges of the flap and extending from the end portions of the first-mentioned length of inelastic tape to the end portions of the second-mentioned length of inelastic tape, a liner of impervious sheet material lining the flap and secured to the opposite side edges and end of the flap, and means for detachably securing a sanitary napkin to the lined flap.

2,453,373
COMPRESSOR
Paul Kollsman, New York, N. Y.
Application August 28, 1944, Serial No. 551,509
19 Claims. (Cl. 230—79)



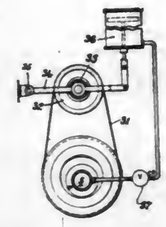
1. In a rotary, liquid piston machine, an exterior rotor having an annular portion for the reception of a compressing liquid, a compressing liquid in said portion, an interior rotor in said portion mounted on an axis eccentric to the axis of said exterior rotor and having a plurality of open pockets about the periphery thereof, the exterior surface of said interior rotor and the interior surface of said exterior rotor being substantially tangent at one point, means for driving said rotors to effect rotation thereof, openings in the bases of said pockets for the passage of gas therethrough, gas inlet and outlet ports for said openings, means providing for the passage of a small amount of compressing liquid through said openings at the end of the compression stroke to insure the complete evacuation of said pockets, and means for leading off any such passed liquid with the delivered gas.

2,453,374
COMPRESSOR
Paul Kollsman, New York, N. Y.
Application August 28, 1944, Serial No. 551,510
17 Claims. (Cl. 230—79)



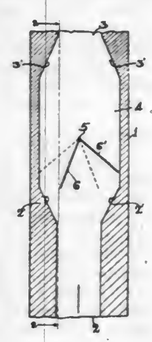
1. In a rotary, liquid piston machine, an exterior rotor having an annular portion for the reception of a compressing liquid, a compressing liquid in said portion, an interior rotor in said portion mounted on an axis eccentric to the axis of said exterior rotor and having a plurality of open chambers about the periphery thereof, gas inlet and outlet ports for said chambers, means for driving said rotors to effect rotation thereof, a discharge opening for each of said chambers in the base thereof adjacent to the trailing wall, and means for impeding the travel of the compressing liquid adjacent to the leading wall only of the chamber to provide for the expelling of all of the gas from the chamber before the compressing liquid seals the discharge opening.

2,453,375
COMPRESSOR
Paul Kollsman, New York, N. Y.
Application August 28, 1944, Serial No. 551,511
10 Claims. (Cl. 230—79)



1. In a rotary, liquid piston machine, an exterior rotor having an annular portion for the reception of a compressing liquid, a compressing liquid in said portion, an interior rotor in said portion mounted on an axis eccentric to the axis of said exterior rotor and having a plurality of open chambers about the periphery thereof, gas inlet and outlet ports for said chambers, means for driving said rotors to effect rotation thereof, and means for mechanically supporting said exterior rotor in its eccentric position and having rolling engagement with the exterior periphery of said rotor.

2,453,376
MEANS FOR MEASURING THE VELOCITY AND VOLUME OF FLUIDS
Francis H. Lagasse, San Francisco, Calif.
Application November 21, 1944, Serial No. 564,508
3 Claims. (Cl. 73—194)



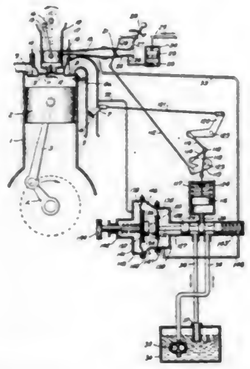
1. In means for measuring the volume and velocity of fluids, a casing having an elongated chamber, a fluid inlet at one end and a fluid outlet at its opposite end, a rotatable shaft extending centrally across the chamber and arranged between the inlet and the outlet, an oscillatory member consisting of two angularly disposed blades arranged in converging relationship and secured at their converging ends to the shaft, the said blades being arranged to be actuated by the fluid passing through the chamber first in a direction where one blade engages with the side of the chamber and then in the opposite direction where the other blade engages the opposite side wall of the chamber.

2,453,377

THROTTLE CONTROL FOR THE PRIMARY AND SECONDARY CHARGES OF ENGINES

René Lozivit, Paris, France, assignor to Societe d'Etudes de Carburation pour l'Automobile et l'Aviation "S. E. C. A. A.," Levallois-Perret, France

Application March 13, 1946, Serial No. 654,042
In France January 25, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 25, 1964
13 Claims. (Cl. 123—75)



1. In connection with an internal combustion engine, a feed device which comprises, in combination, conduit means for supplying a main air stream to said engine, means for forming a fuel and air mixture, means for injecting said mixture into said main air, valve means in said conduit means for controlling the flow rate of said main air stream therethrough, valve means for controlling the flow rate of said mixture from said mixture forming means to said mixture injecting means, and means differentially operative by the respective pressure drops across said two valve means for controlling at least one of said valve means to keep a constant ratio of said pressure drops.

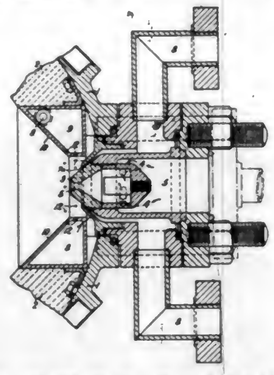
2,453,378

LIQUID-COOLED NOZZLE ARRANGEMENT FOR COMBUSTION CHAMBERS OF JET PROPULSION APPARATUS

Isaac Lubbock, Great St. Helens, London, England, assignor to The Asiatic Petroleum Company Limited, London, England

Application July 7, 1943, Serial No. 493,800
In Great Britain November 7, 1941
3 Claims. (Cl. 60—46)

1. In apparatus of the class described for burning a liquid fuel with a liquid oxidant in a combustion chamber, the combination of a central spraying nozzle for admitting the liquid fuel to said chamber, an outer nozzle for admitting liquid oxidant to said chamber, a jacket mounted within said chamber so as to surround a space in front of the nozzles and being of substantially triangular form in cross section so that the cooling surface is disposed substantially in the form of a cone, means for introducing the cooling medium tangentially at high velocity into an apex of the triangular cross sectional form of the jacket corresponding to the wider part of the cone so that the cooling medium in the jacket will rotate with a high velocity, orifices in the narrow part of the cone being provided for the passage out of the jacket of a predetermined amount of cooling medium to enter the combustion



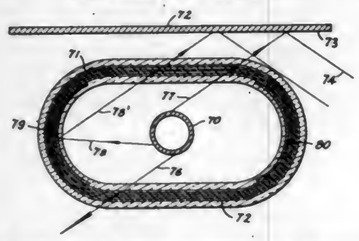
chamber in the region of the nozzle and to intermingle at that point with the flame products.

2,453,379

MULTIPLY ANGLE SELECTIVE POLARIZER

Alvin M. Marks, New York, N. Y.

Application September 28, 1943, Serial No. 504,105
3 Claims. (Cl. 88—65)



1. A polarizing device comprising a multiplicity of thin transparent layers separated from one another by areas having abruptly different indices of refraction, said multiplicity of thin transparent layers being shaped substantially in the form of an oval having substantially parallel long sides, at least one light source positioned within said oval, the ends of said oval having internally reflecting surfaces positioned to direct light into said long sides so that polarized light is transmitted only though the long and substantially parallel sides.

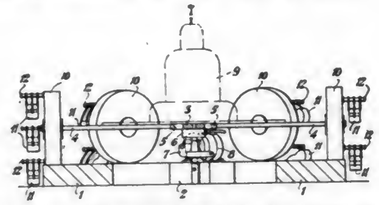
2,453,380

VEHICULAR AMUSEMENT APPARATUS

Henry James Newman, Greenford, and Ernest Frederick Johnson, Southend-on-Sea, England

Application November 17, 1944, Serial No. 563,846
In Great Britain December 9, 1943
5 Claims. (Cl. 272—36)

1. Amusement apparatus comprising an annular track, a series of radiating arms mounted for rotation about the center of the track, a wheel mounted to rotate at the end of each arm, said wheel comprising a pair of strong skeleton metal frames having radial members connected to hub plates and also to peripheral connecting bars, cross-members and diagonal bracing members connecting the two side frames, brackets on some of the radial members, shafts for suspending passenger carriages engaging in these brackets and projecting laterally from the side of the wheel, and a relatively narrow rim supported by cross-members of the wheel structure and



adapted to roll on the track, and passenger carriages suspended from said shafts.

2,453,381

FISH STRINGER RETAINER

Kenneth L. Orton, St. Paul, Minn.

Application April 27, 1945, Serial No. 590,534
4 Claims. (Cl. 224—7)



1. In a fish stringer, an elongated flexible stringer element having a needle on an end thereof, a socketed member for removably receiving said needle on said stringer element, a catch mounted on said socketed member and movable into said socketed member transversely of the latter to engage said needle, and a spring device exerting a force outwardly from said socketed member and so connected to said catch device as to yieldably urge said catch device into said socketed member and into engagement with said needle to suspend and support said stringer element.

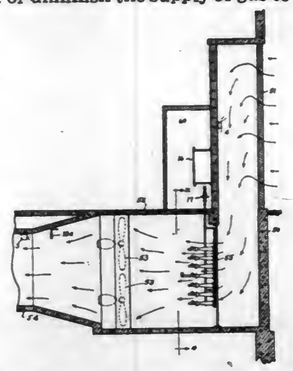
2,453,382

HEATING AND VENTILATING APPARATUS

Herman A. Pietsch, Greentree, Pa., assignor to Dravo Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 12, 1942, Serial No. 442,615
1 Claim. (Cl. 236—1)

In a direct-fired heater system where gas fuel is burned in a duct through which air to be heated is circulated, the combination with a duct and means for circulating a current of air through the duct, of a plurality of gas burners in the duct, a common gas supply line and manifold for all of the burners, a modulating valve means in the supply line operable to gradually increase and diminish the supply of gas to the burners, a separate valve between each burner and the manifold for individually controlling each burner, means for progressively opening or closing the last-named valves in predetermined order to selectively vary the number of burners in operation, and means for operating the modulating valve to gradually increase or diminish the supply of gas to the burners then in operation whereby the temperature of the air being heated may be modified through a substantially uniform gradient as burners are progressively rendered operative or inoperative.

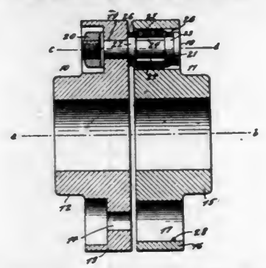


2,453,383

FLEXIBLE COUPLING

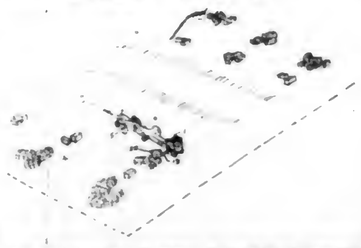
Gilbert Rathman, Union, N. J.

Application September 4, 1943, Serial No. 501,210
11 Claims. (Cl. 64—15)



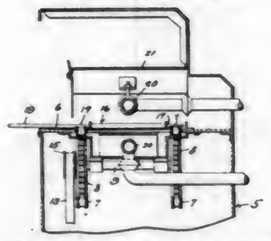
1. A flexible coupling including two rotors mounted for rotary movement each about its own axis and organized to have relative axial movement to and from an interdriving relation, one of the rotors provided with a driver projecting therefrom and the other provided with a socket for receiving the driver and acting to drive one rotor from the other, said driver including a pin-like support projecting from its associated rotor and provided at its outer end with a stop collar, said support provided adjacent the stop collar and adjacent its associated rotor with a pair of cylindrical bearings and providing therebetween a waist-forming portion having a diameter less than the diameter of the bearings to provide within the axially projected outline of the bearings an annular clearance space, a coiled spring of barrel-like form held in place under axially directed tension, having its opposite ends at all times snugly encircling the bearings, having its midlength portion of maximum diameter distorted from its original configuration radially inward toward said clearance when the driver is intruded into the socket, and the turns of said spring being of different cross sectional area of material considered axially of the spring at the end turns engaging the bearings than at the turns therebetween which encircle the clearance.

2,453,384
AUTOMATIC WINDROWER FOR BALERS
Harm L. Renken, Pleasant Plains, Ill., assignor of one-fourth to Kenneth Stringfield, Pleasant Plains, Ill.
Application August 17, 1945, Serial No. 610,907
1 Claim. (Cl. 214—65)



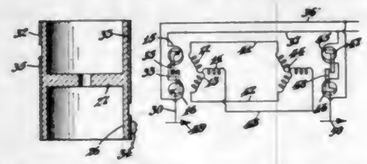
An automatic windrower for balers comprising a portably mounted bale receiving hopper; means for detachably securing said hopper to the rear terminal of a "pick up" baler; said hopper being provided with an elevated platform for receiving bales from said baler terminal and having a downwardly and rearwardly sloping bottom wall, side walls and a rear terminal gate, the latter hanging from a hinged support at its top, a locking pin fixed centrally on the bottom free end of said gate and a trigger hook mounted on said hopper frame for automatic engagement and disengagement with said pin, a dumping lever pivoted to the forward bottom portion of said hopper frame and having a short end controllably connected with said trigger hook and a long end extending substantially outward from the side of said hopper, said long end having a terminal portion hinged for rearward swing, spring means for urging said terminal section to a straight position, a pivoted lever hook adjacent the short end of said dumping lever for optionally stopping said dumping lever from functioning to release said trigger hook from holding said rear dumping gate, a remote control connection extending from said trigger hook lever to a position adjacent a tractor drive position when pulling a baler with said automatic windrower behind the baler, and a second remote control means establishing connection between said lever hook and said tractor driver's position for optionally holding said dumping lever from functioning to dump bales from said hopper, when desired.

2,453,385
HAMBURGER GRILL
Charles C. Rone, Lakeland, Fla., assignor to Roll-On Grill, Inc., a corporation of Florida
Application May 29, 1946, Serial No. 673,045
1 Claim. (Cl. 99—423)



A grill of the class described, comprising the combination with a conveyor embodying spaced parallel chains including links having inwardly curved edges, the upper run of the conveyor passing between burners, of a plurality of trays, each tray embodying substantially U-shaped members providing spaced arms, a pan connected with the arms, portions of the arms extending beyond the front and rear edges of the pan adapted to rest on the curved edges of the links of the conveyor chain normally holding the trays against movement with respect to the conveyor, and said arms providing a handle extending beyond the front of the grill, by means of which the trays are removed from the conveyor and placed thereon.

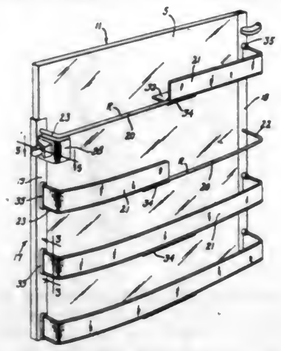
2,453,386
REMOTE CONTROL SYSTEM
John J. Root, New York, N. Y.
Application July 25, 1945, Serial No. 606,893
9 Claims. (Cl. 318—24)



3. A remote indicating system comprising substantially identical transmitter and receiver instruments, each of said instruments including single phase, stationary rotor windings and polyphase, stationary stator windings, said stator windings being interconnected in a normally balanced relationship so as to transmit voltage variations from the transmitter stator to the receiver stator in response to a changed condition at said transmitter stator which unbalances the system, a cylindrical rotor for each transmitter and receiver, a pair of separated elements of magnetic material on each rotor, each element of said pair adapted to be oppositely polarized by alternating current flowing in the respective stator and rotor windings, means to introduce an alternating current to each of said rotor windings whereby the flux characteristics generated at the transmitter will be reproduced at the receiver stator winding so as to act upon the receiver rotor winding, each of said rotors being rotatable in respect to its associated stator winding so as to vary the angular disposition of said magnetic elements, said action of said reproduced flux characteristics serving to rotate said receiver rotor until the angular disposition of its magnetic elements restores the balance of the system, both said elements having one pole or terminal at respectively opposite ends of the rotor and the other pole or terminal extended inwardly in respect to said rotor so as to be at approximately a mid-point on the periphery of said rotor.

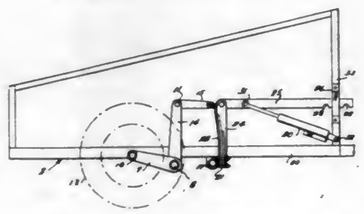
2,453,387
ARTICLE SUPPORTING CLOSURE FOR CABINETS
Theodore W. Rundell, Abington, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 4, 1947, Serial No. 720,283
6 Claims. (Cl. 312—186)

4. In a door construction for use in refrigerators and like apparatus: a pair of horizontally spaced vertically extending framing elements, one of said elements being adapted for hinged securement to a cabinet; and a generally U-shaped torque-resistant member interconnecting said framing elements and strengthening the same as against relative movement in the plane of said elements and as against warping movements out of said plane, said member comprising an elongated horizontally extending central section spanning the distance between said elements and



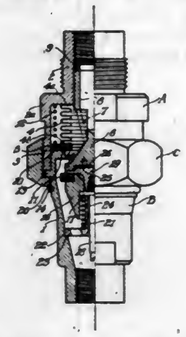
spaced from the plane defined thereby, said central section having at each end thereof a relatively short securing portion each extending toward the said plane defined by said framing elements in substantially right angular relation with respect to said plane and rigidly secured to the adjacent framing elements.

2,453,388
TRAILER CONSTRUCTION
Arthur G. Schramm, Phoenix, Ariz.
Application September 17, 1945, Serial No. 616,722
3 Claims. (Cl. 280—33.4)



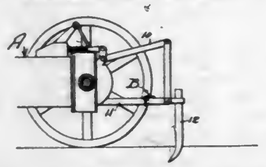
1. Trailer construction comprising, in combination, a trailer body having a bed, axle arm shaft bearings supported on said bed, axle arms having stub wheel axles, extending outward from their outer ends and axle arm shafts extending inwardly from their inner ends and journalled in said axle arm shaft bearings, wheels mounted on said axles, cranks attached to said axle arm shafts extending angularly relative to said axle arms, a spring supporting shaft journalled in said bed and extending transversely thereof positioned on said frame forward of said axle arm shafts so as to clear the periphery of said wheels, quarter ellipitcal springs retained in bedding blocks on the ends of said shaft links connecting the outer ends of said springs to said cranks on said axle arm shafts, and mechanism for rotating said spring holding shaft and releasably retaining it at predetermined positions, including a crank arm mounted on said spring supporting shaft, a bar pivoted thereon adapted to retention at predetermined positions on said trailer body, and a jack operative between said trailer body and the end of said arm.

2,453,389
SELF-SEALING PIPE COUPLING
Percival Edward Thomas, Worcester Park, England, assignor to Sterling Industries Limited, London, England, a British company
Application June 3, 1946, Serial No. 673,926
In Great Britain May 14, 1945
4 Claims. (Cl. 284—19)



1. In a self-sealing coupling construction including conduits, means for coupling together the ends of the conduits, a movable valve element and a fixed seat member therefor in one of said conduits, a movable valve seat element and a fixed valve member therefor in the other of said conduits, and resilient means biasing said elements to conduit closing position in engagement with the respective members, the element of one conduit abutting the member of the other to establish a passageway when the conduits are coupled; the improvement wherein the movable valve seat element is a flat annulus having an outer portion coacting with the fixed valve seat member in passageway-establishing position and an inner portion coacting with the fixed valve member in conduit-closing position, wherein the resilient means biasing said movable valve seat element is a coil spring which bears against said outer portion of said annulus and wherein a flexible, resilient, leak-proof, tubular bellows, concentric to but within the coil spring, connects the inner portion of the valve seat element to a portion of the respective conduit.

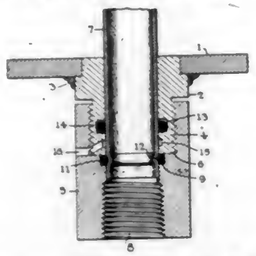
2,453,390
STABILIZING IRON
Clarence W. Werner, Hansen, Idaho
Application September 11, 1944, Serial No. 553,627
1 Claim. (Cl. 97—47)



An attachment of the kind described, comprising a sectional bridge member, having inclined leg sections disposed in opposite extending relation to each other, a saddling plate connecting the inner ends of the sections in adjustable relation to each other, by means of elongated slots in said plate, and fastening means in said sections, vertically disposed parallel wings secured to the outer ends of said leg sections in spaced angular relation to each other, and L-shaped

brackets secured to the outer ends of said leg sections above said wings for attaching said legs at their outer ends to a farm implement.

2,453,391
TUBING CONNECTION
David J. Whittingham, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application January 14, 1946, Serial No. 641,073
4 Claims. (Cl. 285—30)



1. A tube connection comprising a body having a bore and two internal spaced grooves encircling said bore and opening thereunto, a tube inserted into said bore substantially filling the bore, extending past both grooves and having an encircling groove opposed to one of the grooves in the body; and two packing rings of resilient rubber-like material confined in respective grooves in the body, one of said rings entering the encircling groove in the tube to retain the tube in said bore, said rings and grooves being relatively so dimensioned that when the parts are assembled, the rings are deformed in radial compression between the tube and body but do not completely fill the grooves.

2,453,392
ONE-HAND FRUIT PICKING DEVICE
Irvin J. Williams, Seattle, Wash.
Application October 4, 1946, Serial No. 701,109
4 Claims. (Cl. 224—28)



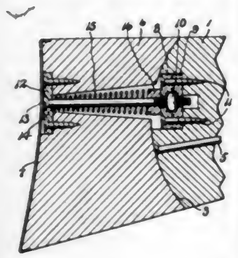
1. A fruit-picking device consisting of a cup-like vessel, an outstanding lip formed as part of said vessel and curved downwardly to partially encircle the finger of a user; a handle for said vessel having a palm receiving bight portion extending upwardly above the rim of the vessel sufficiently to permit the said outstanding lip to be engaged between the extended fingers of a user; a band encircling said vessel; and means for securing said handle in adjusted angular relationship to said band.

2,453,393
COMBINED SPOON AND LID FOR CONTAINERS
Robert C. Wilson, Chula Vista, Calif., assignor of one-fourth to Richard W. Wilson, Chula Vista, Calif.
Application September 17, 1945, Serial No. 616,849
2 Claims. (Cl. 229—1.5)

2. In a combined spoon and lid for containers of the class described, the combination of a flat disc-like member having an arcuate recessed portion concentrically disposed and radially disposed recessed portions extending from the middle of said disc-like member and terminating in said arcuate recessed portion, said disc-like member also provided with radially disposed scored portions extending through the periphery thereof permitting two segments of said disc-shaped member to be folded against each other to induce pyramidal bending of the remainder of said disc-shaped member, said disc-shaped member also provided with a tab portion extending from the periphery thereof and adapted to be folded over said segment portions when folded together securing said disc-shaped member in the form of a spoon.

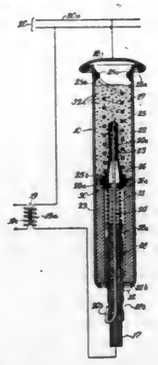


2,453,394
ADJUSTABLE GUNSTOCK
Emil R. Wittman, Grand Rapids, Mich.
Application May 22, 1946, Serial No. 671,647
5 Claims. (Cl. 42—73)



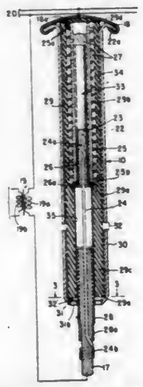
3. In a construction as described, a gun stock of two parts including a front relatively long stock portion and a shorter butt portion in alinement therewith located at its rear end, the adjacent ends of said front and butt stock portions, one having a curved convex form from its upper to its lower edge in the arc of a circle and also curved convexly in the arc of a circle from one side to the other, and the other having complementary surfaces of convex form to seat thereagainst, a member comprising two blocks located one against the other secured at the rear end of the front stock portion, said front stock portion being recessed to receive them, said blocks at adjacent sides having recesses in conjunction with each other forming a chamber, a nut seated in said recesses, a plate secured at the rear end of the butt portion, an elongated headed screw passing through said plate and through said blocks and threading through said nut, the openings in said blocks through which the rod passes being of larger area than the cross section of the rod.

2,453,395
FUSE
Edward H. Yonkers, Chicago, Ill., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill., a corporation of Illinois
Application December 13, 1943, Serial No. 514,030
14 Claims. (Cl. 200—115)



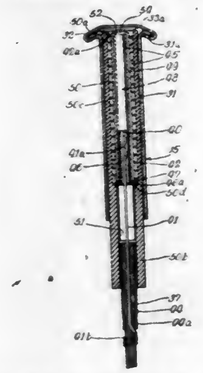
1. A fuse link comprising a metal tube, a terminal element positioned adjacent one end of said tube and spaced therefrom so that a surge gap is provided between the adjacent surfaces of said tube and said element, a combination heating and inductance element comprising a conductive coil disposed within said tube, and a fusible element electrically connected in series with said combination element across said gap and at least partially disposed within the turns of said coil in heat exchange relationship therewith.

2,453,396
FUSE
Edward H. Yonkers, Chicago, Ill., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill., a corporation of Illinois
Application December 28, 1946, Serial No. 637,528
11 Claims. (Cl. 200—115)



6. A fuse link comprising a tubular metal casing having an open end, a first tube of insulating material fitting within said casing and projecting outwardly from the open end of said casing, said tube being provided with a first portion of large internal diameter, a second portion of smaller internal diameter and an internal step between said two portions, a tubular conductor disposed within said first portion of said tube and provided with a flange seated on said step, a second conductor extending through said second portion of said tube and including a part projecting within said tubular conductor, a fusible body electrically and mechanically connecting said part of said second conductor to said tubular conductor, a coiled conductor surrounding said tubular conductor and disposed within the space between said insulating tube and said tubular conductor, said coiled conductor being connected between said tubular conductor and said casing, a second tube of insulating material telescoped over said tubular conductor within said coiled conductor to insulate the convolutions of said coiled conductor from said tubular conductor and said fusible body, a body of insulating material at least partially embedding the convolutions of said coiled conductor and filling the unoccupied spaces within that portion of said first tube having said largest internal diameter, a conductive sleeve carried by the projecting end of said first tube and spaced from the open end of said casing to define a surge gap, and a resilient conductive element extending across the projecting end of said first tube in engagement with said second conductor and said sleeve, thereby to provide a conductive path therebetween while permitting withdrawal of said second conductor from said first tube upon fusing of said fusible body.

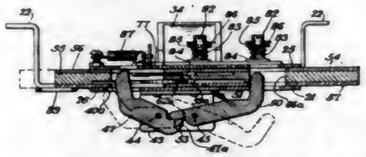
2,453,397
FUSE LINK
Edward H. Yonkers, Glencoe, Ill., assignor to Joslyn Manufacturing and Supply Corporation, Chicago, Ill., a corporation of Illinois
Application April 26, 1947, Serial No. 744,061
3 Claims. (Cl. 200—115)



1. A fuse link comprising a tubular metal casing open at one end and having a terminal cap closing the other end, an insulating tube fitting within and extending through said casing, a coiled heating conductor disposed within said tube and having its convolutions spaced axially of said tube, a tubular conductor extending within the convolutions of said coiled conductor to receive heat from said coiled conductor, said heating conductor being connected in series between said tubular conductor and said casing, a fusible body filling at least a portion of said tubular conductor, a circuit conductor having an end embedded in said fusible body and extending out of said insulating tube, an elongated and conductive heat storage element in heat transfer relationship with said fusible body and extending through the convolutions of said heating conductor toward said

terminal cap, means including said heat storage element for defining within said tube a surge gap shunting said heating conductor, and insulating means disposed within said insulating tube to insulate said tubular conductor and said heat storage element from the convolutions of said heating conductor.

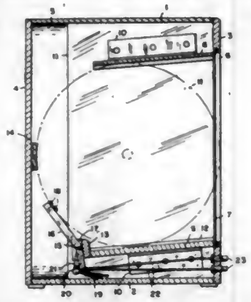
2,453,398
COIN-CONTROLLED DEVICE
Maurice J. Auerbach, Cleveland Heights, Ohio, assignor to Standard Vendors, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 17, 1945, Serial No. 573,227
1 Claim. (Cl. 194—58)



In a coin-controlled device of the character described, a housing, coin rests mounted on said housing, a coin-positioning member adapted to receive a plurality of coins of two denominations slidably mounted in said housing, a vertical shaft mounted exteriorly of said housing, a plurality of vertically-spaced latch fingers mounted for pivotal movement about said shaft and having portions adapted to enter said housing rearwardly of said shaft and lock said coin positioning member against substantial forward movement, a second vertical shaft disposed forwardly of said first-named shaft, a plurality of vertically spaced fingers mounted for pivotal movement about said second shaft and having portions adapted to enter said housing forwardly of said second shaft, levers disposed within said coin-positioning member and effective, upon the positioning of a selected combination of coins, to rotate said second-named fingers in the direction of movement of said coin-positioning member, cooperating heel portions provided on said latch-fingers and said second-named fingers whereby partial rotation of said second-named fingers causes said latch fingers to withdraw from locking engagement with said coin-positioning member and further rotation of said second-named fingers causes said latch-fingers to be locked in said withdrawn position, and spring means adapted to normally maintain said latch fingers in locked engagement with said coin-positioning member.

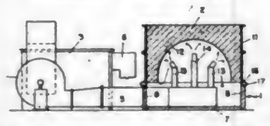
2,453,399
DISK RECORD HOLDER
Earl Joseph Baker, Parma, and Herbert Fredrick Baker, Detroit, Mich.
Application August 30, 1946, Serial No. 693,840
6 Claims. (Cl. 312—15)

1. In a disk record holder, the combination with a pair of spaced substantially parallel boards, of means on the mutually confronting faces of the boards for individually guiding records into and from the holder, a stop strip extended transversely of said grooves and engageable by records in the grooves to establish their stored positions, a fulcrum rod extending parallel and adjacent to said strip, a set of record-ejecting levers fulcrumed between their ends on said rod, spacers for said levers mounted freely on said rod, said strip coacting with the spacers to resist their rotation, spring means urging the levers to retracted positions established by said strip, and means for individually actuating the



levers in opposition to said spring means to selectively eject records from between the boards.

2,453,400
APPARATUS FOR DRYING FOUNDRY MOLDS
Charles A. Barnett and Joseph M. Beyvl, Cleveland, Ohio, assignors to The Foundry Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application July 13, 1943, Serial No. 494,458
2 Claims. (Cl. 22—87)

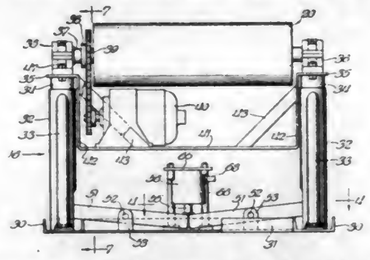


1. Apparatus for drying foundry mold bodies of generally concave form, enclosed in a peripheral frame, comprising an open-top housing having an upper marginal edge of substantially the same shape and dimensions as the outer marginal edge of the mold body to be dried and adapted to support the same in inverted position thereon with the mold cavity and parting surface of the mold body exposed in the housing, a heater, an inlet conduit for heated air leading from the heater into the housing, a plurality of nozzles extending upwardly beyond the housing and adapted to direct heated air from the conduit and discharge the air upwardly and outwardly at a plurality of separate locations above the level of the marginal edge of the housing so as to cause such air to impinge in separate spaced streams against the concave surface of the mold body, an exhaust conduit leading from the housing to the heater and opening into the housing below the level of said upper marginal edge, air circulating means to withdraw air from the housing, through said conduit, and force said air through the heater and back into the housing through the inlet conduit and means sealing the joint between the frame of the mold body and the upper marginal edge of the housing.

2,453,401
LIVE JUMP ROLL
Hiram O. Beeching, South Bend, Wash.
Application September 25, 1945, Serial No. 618,488
8 Claims. (Cl. 198—127)

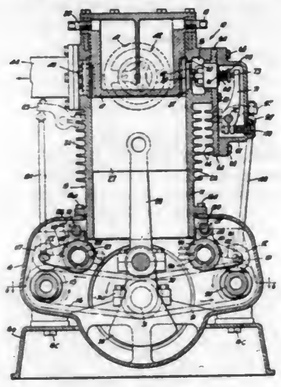
7. A self-contained portable live jump roll comprising a portable frame, a chassis, a roll mounted in bearings on said chassis, a motor mounted on said chassis for driving said roll, posts supporting said chassis for vertical movement in said

frame, an individual lever for raising each of said posts, and a fluid pressure cylinder mounted in said frame and having a piston operable upon said levers for raising said chassis to an upper



position when fluid pressure is admitted to said cylinder and operable to release said chassis for gravity return to a lower position upon release of fluid pressure from said cylinder.

2,453,402
COMPRESSOR OR PUMP
Harvey W. Bell, Yonkers, N. Y.
Application October 19, 1944, Serial No. 559,361
13 Claims. (Cl. 230—21)



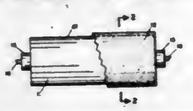
1. A multi-stage compressor comprising at least two cylinder parts, a piston reciprocable in each of said cylinder parts, and means for selectively varying the effective volumetric displacement of each of said cylinder parts, comprising an unloading valve in each of said parts, adapted when open to prevent compression in the corresponding cylinder part, mechanical means free from electric or fluid operation, for positively maintaining said valve open during a selected portion of the compression stroke of the corresponding piston, and means for varying the phase at which each of said valves is opened with respect to the stroke cycle of its corresponding piston, said means for changing the effective volumetric displacements of the cylinder parts comprising a plurality of cams corresponding to the compression cylinders in the compressor, means for rotating said cams at predetermined relative angular rates, each of said cams being in the form of a shaft having a valve opening projection progressively changing lengthwise of said cam, a follower roller in engagement with each of said cams, a mechanical transmission free from mechanical or fluid operation between each of said rollers and a corresponding unloading valve for maintaining said valve open during a selected part of the compression stroke of the corresponding piston, and means for moving all of said followers in unison along their corresponding cams for simultaneously varying the phase relationship between the operating sections of said cams and the stroke cycles of the corresponding pistons.

2,453,403
WINDBREAKER FOR PARKED AIRCRAFT
Charles E. Bogardus, New Rochelle, N. Y.
Application July 3, 1946, Serial No. 681,370
7 Claims. (Cl. 244—40)



1. A device for eliminating the lifting action of wind upon the wings of a snubbed-down aeroplane comprising a cover adapted to be attached to a wing in overlying relation to its upper surface and a pair of slats inclined towards one another to form an inverted V, the upper edges of the slats being secured together in abutting relation to form the apex, and the lower edges of the slats being secured to the said wing cover in spread apart relation to dispose the slats in upright position at the upper surface of the wing.

2,453,404
APPARATUS FOR MAKING PLASTIC MASSES
Walter S. Bohlman, Wilmington, Del., and David S. Bruce, Lawrence, Kans., assignors, by mesne assignments, to United States of America as represented by the Secretary of War
Application June 1, 1945, Serial No. 597,030
1 Claim. (Cl. 18—2)

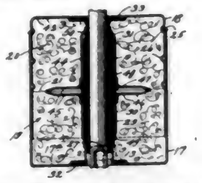


A differential speed roll assembly which comprises a pair of rolls adapted to rotate in opposite directions, one of said rolls adapted to rotate with a greater surface linear velocity than the other of said rolls, said one of said rolls being provided with an outside surface of porous chromium electroplate characterized by high resistance to corrosion and erosion and having an improved adherence for a nitrocellulose-nitroglycerin powder composition, and said other of said rolls being provided with a chromium electroplate deposited on an abrasive-blasted metallic surface.

2,453,405
REPACKABLE ADJUSTABLE OIL FILTER CARTRIDGE
Clark M. Bolser, Cedar Falls, Iowa
Original application December 14, 1940, Serial No. 370,096. Divided and this application November 23, 1944, Serial No. 564,819
5 Claims. (Cl. 210—131)

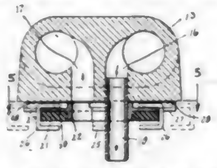
1. In a repackable, adjustable oil filter cartridge having an inlet and an outlet, a pair of filtering material cup-shaped containers each having an open end, at least one of said containers having perforations therein, said containers being adjustably telescoped together, said containers having tubes secured thereto, said tubes being dis-

posed at the centers of said containers to adjustably telescope relative to each other and each container being packed with a separate quantity of filtering material surrounding said tubes, an oil distributor including a tube for adjustably telescoping over said first tubes, a hollow perforated distributor member positioned between said two quantities of filtering material and secured to said last tube, and means affording pas-



sage of oil from said inlet through one of said container tubes and through said tube of said oil distributor, said oil then passing through the perforated distributor and through the filtering material to the outlet, all of said tubes being of a size relative to each other as to permit the passage of oil between them and having contracted ends to provide substantially oil-tight connections between the tubes.

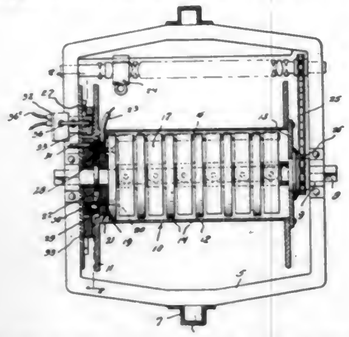
2,453,406
FITTING FOR AUTOMOBILE RADIATORS
Francis E. Brady, Jr., Muncie, Ind.
Application October 4, 1947, Serial No. 777,904
6 Claims. (Cl. 285—168)



1. A fitting for an automobile radiator having a filler spout provided with camming and locking flanges thereon comprising a fitting head, a finger plate secured to said head with its inner adjacent surface formed with radially extended and opposed pockets, and a plurality of gripping fingers slidably mounted in said pockets, respectively, for manual adjustment toward and from each other in position to engage and interlock with said flanges of varying diameter.

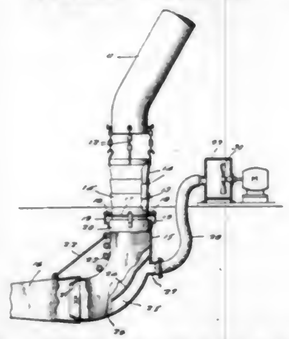
2,453,407
WELDING LINE REEL SWITCH
Jake D. Burns, Richmond, Calif.
Application September 11, 1944, Serial No. 553,621
2 Claims. (Cl. 200—153)

1. In a self-winding reel for electric cables and the like, the combination, which comprises a drum with flanges at the ends providing a cable-winding reel, a stationary shaft, means rotatably mounting the reel on the shaft, said shaft mounted in the sides of the frame with the reel positioned in an opening in the frame, a plurality of spring elements positioned in the drum of the reel forming a spring motor with one end of the spring elements attached to the shaft and the opposite ends attached to the reel, a stationary disc on the frame positioned between the reel and a side of the frame, a hub with hook-shaped projections in recesses in the periphery thereof extending from the periphery of the disc, a dog carrying a pawl and having a pin projecting therefrom pivotally mounted on a flange at the end of the reel adjacent said stationary disc of the frame positioned to ride along the periphery of the hub and engage alternately the hook-shaped projections thereof, an arcuate guide strip attached to the surface of the disc positioned to be engaged by the pin of the pawl to hold the



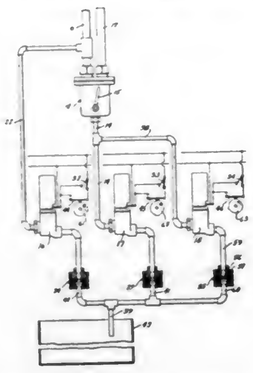
pawl out of engagement with at least one of the projections of the hub upon retraction of the cable-winding reel, a resiliently held plunger slidably mounted in the hub under one of said projections positioned to be engaged by the pawl, a switch positioned to be actuated by said plunger, and contact rings positioned on the ends of the reel and adjacent disc through which a circuit to a cable on the reel may be completed.

2,453,408
GRAIN TRIMMING DEVICE
Alexander L. Carila, Norfolk, Va.
Application November 30, 1945, Serial No. 631,929
2 Claims. (Cl. 302—17)



1. In a device for loading grain from a grain elevator discharge spout into the hold of a ship, a vertically-disposed nozzle structure arranged at the discharge end of said spout and carried by the latter, an elbow of a rectangular cross-sectional area carried by said nozzle structure and mounted for rotation about a vertical axis coinciding with the vertical axis of the nozzle structure, a partition disposed in the lower curved portion of said elbow and spaced from the wall of the latter portion to define a passage for conveying air from a source of supply therethrough, said passage being so arranged in communication with said elbow as to facilitate discharge of the material from the discharge end of the elbow, and a discharge conduit pivotally connected to said elbow.

2,453,409
FLUID CONTROL SYSTEM
Thomas B. Chace, Winnetka, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application July 14, 1944, Serial No. 544,956
4 Claims. (Cl. 236—12)



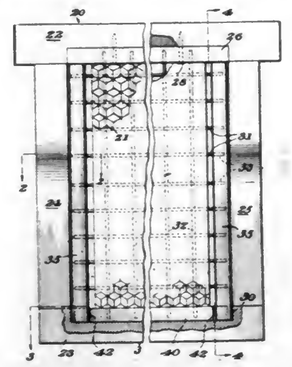
1. A fluid control system comprising a single automatic temperature controlled mixer valve, said mixer valve having a pair of inlet ducts and a mixed fluid outlet duct, at least three flow control means, each including a shut-off valve and a device for automatically maintaining a predetermined rate of fluid flow therethrough, and a member providing a common delivery passageway to which the downstream side of each flow control means is connected, the upstream side of two of said flow control means being connected to said outlet duct and the upstream side of one of said flow control means being connected to one of said inlet ducts.

2,453,410
ACID TREATMENT OF ANTHRAQUINONE-THIAZOLE VAT DYESTUFFS
John F. Cullinan and Lawrence D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 13, 1944, Serial No. 526,343
5 Claims. (Cl. 260—303)

1. The method of converting a vat dyestuff, characterized by at least one anthraquinone and at least one thiazole nucleus, into very finely divided particles of substantially uniform size which comprises forming a slurry of one part of the dyestuff with 20 to 30 parts of sulfuric acid of such concentration that at the operating temperature at least a part, but not more than ten percent by weight of the total dyestuff is in solution at any one time, agitating this slurry until conversion of the dyestuff to a substantially insoluble sulfate is substantially complete, hydrolyzing the sulfate to the dyestuff and collecting the so-treated dyestuff.

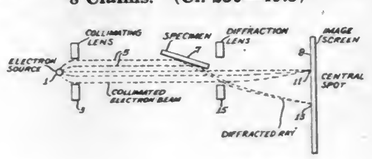
2,453,411
BEE COMB FOUNDATION
Henry C. Dadant, Hamilton, Ill.
Application May 15, 1944, Serial No. 535,714
3 Claims. (Cl. 6—10)

1. The combination with a bee comb foundation sheet having transversely extending reinforcing wires the free ends of which extend beyond the sheet, of an outer carrying frame and an inner sheet reinforcing frame removably supported thereby, said inner frame comprising side bars spaced outwardly from the side edges of the



sheet and being U-shaped in cross section with one edge bent inwardly to form a reentrant U-shaped member in which the free ends of the reinforcing wires are clamped.

2,453,412
ELECTRON DIFFRACTION SYSTEM AND METHOD
Norman R. Davidson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 28, 1946, Serial No. 679,986
8 Claims. (Cl. 250—49.5)

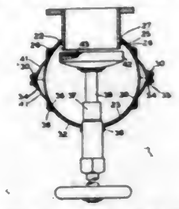


1. The method of electron diffraction of a specimen comprising producing a beam of electrons of substantial cross-sectional area, said beam comprising a plurality of parallel disposed electron rays, applying a substantial portion of said beam at an obtuse angle to a substantial portion of the surface of said specimen to irradiate said portion of said surface, deriving a plurality of diffracted electron rays from said irradiated surface, and focusing said diffracted rays to provide a focused electron diffraction image characteristic of the composition of said specimen irradiated surface portion.

2,453,413
VALVE STRUCTURE
Joseph H. De Frees, Warren, Pa., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa., a corporation of Pennsylvania
Application April 18, 1946, Serial No. 663,065
4 Claims. (Cl. 251—156)

1. Liquid flow control means comprising a conduit having a tubular wall provided with a pair of diametrically opposed apertures, a pair of opposed saddles carried on said conduit, one respectively on the outer conduit wall surrounding each aperture, each said saddle having an inner surface

complementary to, and conforming in contour to, the said outer conduit wall, one said saddle carrying a valve guide, and the other said saddle carrying an annular valve seat, said valve seat extending within the adjacent aperture in said conduit



wall, a valve stem carried by said valve guide and extending inwardly through the aperture in said conduit wall adjacent thereto, both said saddles having aligned means for establishing a rigid but removable connection therebetween.

2,453,414

SYSTEM FOR DIRECTING RADIO WAVES

Henry B. De Vore, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 9, 1944, Serial No. 539,542
10 Claims. (Cl. 250—33.63)



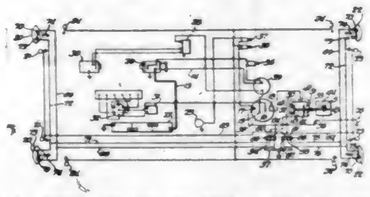
1. A system for propagating a beam of radio waves and for directing said beam through a predetermined angle including a wave guide having a plurality of radiating elements and having an open side, means for applying radio frequency energy to one end of said wave guide; and a rotatable member, including a plurality of grooves, disposed along said wave guide to close its open side and to alter the effective wave length of the energy within said guide as a function of the depth of said grooves.

2,453,415

VEHICLE LIGHTING SYSTEM

Henry N. Dimick, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon

Application July 24, 1945, Serial No. 606,786
1 Claim. (Cl. 315—80)



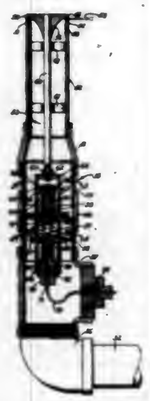
In a reversible lumber yard straddle truck vehicle having a single operator's station but adapted to travel a substantial part of its operating time in reverse gear, a single reversing lever at said operator's station having forward, neutral and reverse positions, a first head and tail light system including a dimmer switch for forward travel, a second head and tail light system including a second dimmer switch for reverse travel, a single manually operable member at said operator's station for operating both of said dimmer switches simultaneously to dim the headlights in operation regardless of the direction of travel, a common switch at said operator's station for energizing one or the other of said lighting systems, a lost motion link connected with said reversing lever to operate said common switch to energize said first lighting system for forward travel when said lever is moved from neutral to a forward position and to maintain said first lighting system energized when said lever is returned to neutral position, said link operating said common switch to deenergize said first lighting system only when said lever is moved from neutral to reverse position and then to energize said second lighting system for reverse travel and maintain said second lighting system energized when said lever is returned to neutral position; said second lighting system being deenergized only by movement of said lever from neutral to a forward position, and an independent switch at said operator's station for connecting both of said lighting systems with a source of electrical supply subject to the control of said common switch, whereby either one of said lighting systems may be left energized while said vehicle is standing with said reversing lever in neutral position for illumination at either end of said truck and as a warning to workmen.

2,453,416

FLUID DISTRIBUTION SYSTEM

John M. Dom, Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application December 24, 1941, Serial No. 424,326
14 Claims. (Cl. 299—125)



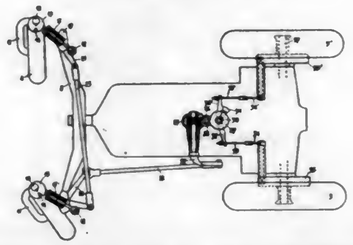
1. In a fluid distribution system for discharging a liquid stream, the combination of: conduit means for conducting a liquid stream, said conduit means including a stationary discharge member; a movable discharge member cooperating with said stationary discharge member in providing a discharge orifice which varies in size as said movable discharge member is moved; a stationary element attached to said conduit means and positioned therein; a movable cage in said conduit means and into which said stationary element extends, said cage providing a movable element which moves with said cage; means for attaching said cage to said movable discharge member to move therewith; a spring in said cage and providing one end bearing against said one of said elements; a fluid-filled bellows in said cage and providing one end bearing against the other of said elements; and means for connecting the other ends of said spring and bellows in pressure-transferring relationship to dispose said spring and bellows serially between said elements in such manner that the reaction force of said spring is transmitted to said bellows and thence to said other of said elements.

2,453,417

STEERING MEANS FOR VEHICLES

Léon Dufour, Geneva, Switzerland

Application January 10, 1945, Serial No. 572,145
In Switzerland January 24, 1944
8 Claims. (Cl. 180—18)



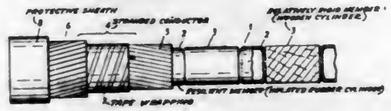
1. Steering and braking means for vehicles of the type including, rear driving wheels, brake means therefor, a front axle, a steering wheel including a steering shaft, front wheels releasably connected through steering linkage with the steering wheel for normal straight ahead movement and wide turns, and automatic means for simultaneously braking one of the rear driving wheels when the front wheels are disconnected from the steering means, said automatic means comprising, a secondary shaft axially parallel with the steering shaft, gearing connecting said shafts, a pair of levers freely pivoted at their inner ends to the secondary shaft and having their outer ends connected to the brake means for each rear driving wheel, and a radial finger on the secondary shaft for engaging the rear edge of one of the said levers at a time between its point of pivotal support and its outer end to apply the brake on one drive wheel.

2,453,418

BUOYANT ELECTRIC CABLE

Percy Dunsheath, Abinger, and William Cyril Barry, Gravesend, England, assignors to W. T. Henley's Telegraph Works Company Limited, Westcott, Dorking, Surrey, England

Application November 30, 1940, Serial No. 367,924
In Great Britain January 4, 1940
25 Claims. (Cl. 174—101.5)



1. In water-buoyant insulated electric power cable, a buoyancy element consisting of a flexible cellular core comprising a series of resilient members with intercalations of relatively rigid members.

2,453,419

BUOYANT ELECTRIC CABLE

Percy Dunsheath, Abinger, and William Cyril Barry, Gravesend, England, assignors to W. T. Henley's Telegraph Works Company Limited, London, England, a British company

Original application November 30, 1940, Serial No. 367,924. Divided and this application November 30, 1946, Serial No. 713,319. In Great Britain January 4, 1940
9 Claims. (Cl. 174—101.5)



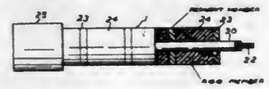
1. In water-buoyant insulated electric power cable, a buoyancy element consisting of a flexible cellular core comprising a series of cylinders of resilient cellular material and a plurality of cylinders of relatively rigid material intercalated in said series of cylinders of resilient cellular material.

2,453,420

BUOYANT ELECTRIC CABLE

Percy Dunsheath, Abinger, and William Cyril Barry, Gravesend, England, assignors to W. T. Henley's Telegraph Works Company Limited, London, England, a British company

Original application November 30, 1940, Serial No. 367,924. Divided and this application November 30, 1946, Serial No. 713,320. In Great Britain January 4, 1940
18 Claims. (Cl. 174—101.5)



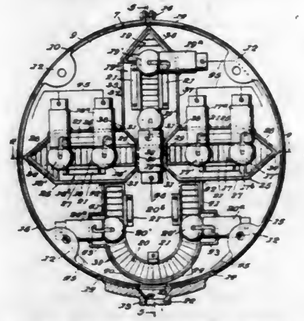
1. In water-buoyant insulated electric cable, a flexible core member and a buoyancy element disposed about said core member and comprising a series of resilient members with relatively rigid members intercalated in said series of resilient members.

2,453,421

LAMP BOX TYPE DIRECTION SIGNAL

George Dyer, Cheyenne, Wyo.

Application January 28, 1947, Serial No. 724,737
2 Claims. (Cl. 177—329)



1. In an automobile turning signal, a casing having front and back walls and a peripheral wall; two radial horizontal cell-forming members in said casing and each having upper and lower

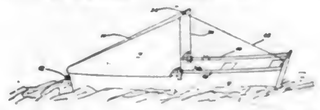
side walls and inner and outer end walls; a vertically disposed bulb socket between said inner end walls of said cell-forming members and secured to these inner end walls to unitarily unite them; a vertical cell-forming member in said casing having an outer end wall and side walls, the latter being secured at their inner ends to aforesaid side walls of said horizontal cell-forming members; a light bulb held in the aforesaid socket and disposed in the cell formed by said vertical cell-forming member; other light bulbs in the cells formed by said horizontal cell-forming members; and sockets for these bulbs secured to aforesaid side walls of said horizontal cell-forming members; said side and end walls of said cell-forming members having front and rear edges abutting said front and back walls of said casing; said end walls of said cell-forming members being disposed at said peripheral wall of said casing; at least one of said front and back walls of said casing having translucent signalling members allotted to the cells formed by said cell-forming members, said signalling members indicating different movements of the vehicle.

2,453,422

DETACHABLE ROWBOAT SHELTER

Wilfred D. Ellsworth, Lynbrook, N. Y.

Application July 3, 1947, Serial No. 758,775
4 Claims. (Cl. 135—6)



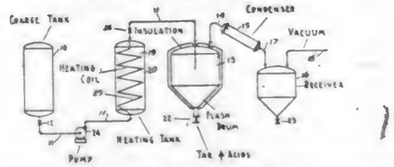
1. A collapsible shelter for rowboats including a body member and a support frame; said member comprised of three triangular sections of flexible water-repellent material; said frame comprised of two L shaped members pivotally connected to each other; means to secure said member to said frame and means to detachably secure said frame to the sides of said rowboat.

2,453,423

FLASH DISTILLATION OF ACETOPHENONE FROM BENZOIC ACID

William S. Emerson and Victor E. Lucas, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application March 3, 1945, Serial No. 580,928
4 Claims. (Cl. 202—39)



1. The process which comprises heating a mixture of acetophenone and benzoic acid dissolved in a solvent to a temperature above 60° C. but below 225° C. and flash vaporizing without rectification the acetophenone from said mixture.

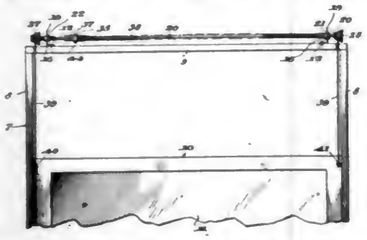
2,453,424

COUNTERBALANCE MECHANISM

Edwin E. Foster, Austin, Tex.

Application January 6, 1947, Serial No. 720,352
10 Claims. (Cl. 16—198)

8. In a counterbalance mechanism for windows and the like having a coil spring mounted on a rotatable shaft with a pulley at each end connected to a window sash, positive means for



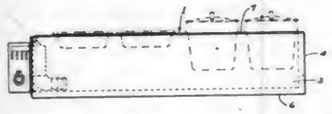
shifting the shaft and pulleys axially as the window sash is raised and lowered.

2,453,425

HOT FOOD TABLE HEATING APPARATUS

Ben J. Freed, Washington, D. C.

Application December 27, 1944, Serial No. 570,014
3 Claims. (Cl. 219—19)



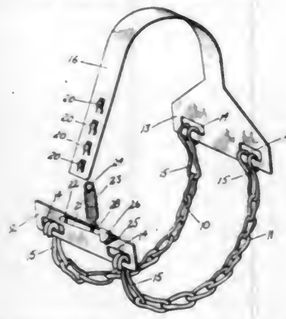
1. In a hot food table, in combination, means for presenting a plurality of members to be heated in substantially horizontally disposed relation, means for confining a substantial volume of air in contact with said presenting means, unitary means for electrically and continuously heating a substantial portion of said air, and means for substantially horizontally propagating and recirculating said heated air from a border of said confining means past said presenting means whereby rapid and continuous heating of the members presented by said presenting means is accomplished.

2,453,426

WHEEL TRACTION DEVICE

Samuel Freed, Danbury, Conn.

Application May 10, 1946, Serial No. 668,787
4 Claims. (Cl. 152—237)



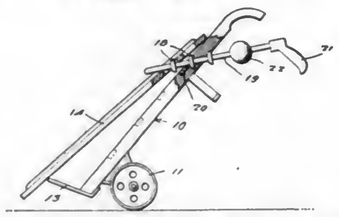
1. An emergency traction device for an automobile wheel, comprising a plurality of road-engaging elements located side by side; a pair of tie bars secured to the ends of the said elements, one of the said tie bars having secured thereto and extending therefrom a relatively stiff, hook-like strap shaped to pass through an aperture in the automobile wheel and extend across and partially encompass the rim of the wheel; and cooperable fastening means on the other of the said tie bars and on the said strap, including resilient means extending between the end of the strap and the said other tie bar yieldably drawing said device about the rim of the wheel.

2,453,427

LOAD RETAINER FOR HAND TRUCKS

John T. Frederick, Huntington, W. Va., assignor of one-half to Charles E. Green, Huntington, W. Va.

Application November 29, 1946, Serial No. 713,187
1 Claim. (Cl. 294—1)



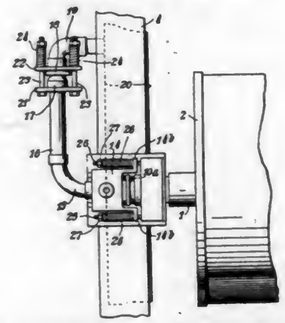
In a handling tool adapted for securing a heavy bridge to a hand truck, and comprising an elongated member having a plurality of projections thereon spaced apart to form a series, the features which include a rod forming the elongated member having a series of spaced symmetrical flanges fixed thereon to form the spaced projections, an offset open hand grip rigid upon one end of the rod for manipulating said rod and thrusting it with at least one flange through an opening in the bridge to engage the flange with the far side of said bridge and simultaneously engage another flange with a crossbar on the truck to prevent said bridge from sliding on the forward end of the latter, and a large heavy ball symmetrically fixed upon said rod intermediate the hand grip and the first or innermost flange on said rod.

2,453,428

PIPE JOINT

Ernest Gordon, Prestwich, England, assignor of one-half to Arthur Ernest Roberts, Prestwich, England

Application June 18, 1945, Serial No. 600,095
In Great Britain March 28, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 28, 1964
4 Claims. (Cl. 285—10)



1. The combination with a hollow cylinder journalled in bearings for rotative movement and arranged to receive a fluid heating medium from a source, of a fluid-tight conduit for supplying such medium from the source to the cylinder which allowing for axial expansion of such cylinder, such means comprising a multi-part branch pipe connecting the cylinder with the source, one such part being generally axially aligned with the cylinder axis, a second part being disposed at an angle to such first part and being provided at one end thereof with ball-and-socket means connecting it with said fluid source, and ball-and-socket means at each end of the first part connecting it, respectively, with the cylinder and with the second part.

2,453,429

SURFACE TREATMENT OF METALS

Daniel A. Gorman, Sr., Glenside, Ithaca, N. Y.

No Drawing. Application November 30, 1944, Serial No. 566,014
4 Claims. (Cl. 41—42)

1. A method of treating sheet steel in a rolling mill to remove microscopic compacted surface particles resulting from the rolling mill treatment, which consists in running the sheet quickly thru an aqueous acid washing bath containing chromic acid and scrubbing it vigorously with rotating brushes while immersed therein for a sufficient time to loosen compacted surface particles but insufficient to remove any substantial amount of the base metal, the scrubbing removing any oxide that may be formed by the acid so that the sheet remains uncoated, the time of immersion being from five seconds to five minutes, immediately thereafter passing it thru a rinsing bath, and then promptly drying it, whereby the surface is conditioned to more freely release occluded hydrogen.

2,453,430

MORPHOLINE SALTS OF SULFONATED AZO DYE COMPONENTS AND THEIR PREPARATION

Harold G. Greig, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

No Drawing. Application December 21, 1944, Serial No. 569,264
14 Claims. (Cl. 260—247)

1. The process of producing a morpholinium salt of a sulfonated cyclic organic compound having a sulfonic acid group directly linked to a ring carbon atom, which comprises reacting at least one mol of the sulfonated cyclic organic compound with at least one mol of morpholine at a temperature sufficient to volatilize any excess morpholine.

7. The process of producing a morpholinium salt of a naphthol sulfonic acid which comprises reacting 1 mol of the acid with at least 1 mol of morpholine at a temperature sufficient to volatilize any excess morpholine.

2,453,431

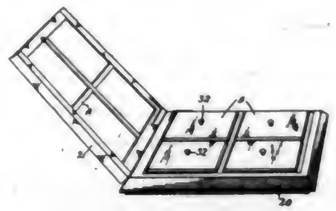
EASEL FOR COLORED PHOTOGRAPHIC PRINTING

Lyndon V. Grover, Los Angeles, Calif.

Application March 11, 1946, Serial No. 653,644
3 Claims. (Cl. 88—24)

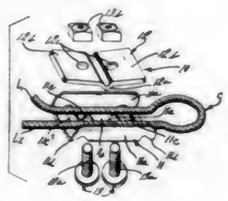
1. A photographic easel comprising a body portion including a base having a flat surface for supporting a printing sheet, a frame hinged to said base to be moved against and away from said surface, a spider removably supported by said frame and co-operating therewith to divide said printing sheet into areas of less extent than the area of the entire sheet, border blocks within said

areas and against said sheet for excluding light from said sheet areas and having beveled sides so that the frame and spider may be removed



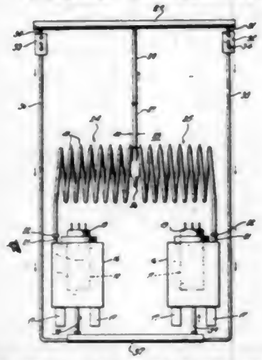
while the blocks remain in place whereby the borders about said blocks may be exposed to light to thereby provide white borders for said areas when subsequently printed.

2,453,432
CABLE CLAMP
Robert A. Hackathorn, Grosse Pointe Woods, Mich., assignor to Crawford Door Company, Detroit, Mich., a corporation of Michigan
Application March 6, 1947, Serial No. 732,747
1 Claim. (Cl. 24—135)



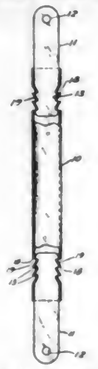
A clamp adapted for anchoring the legs of a looped cable or rope without damaging the same which comprises a female member having longitudinally extending side flanges on one side of a back web portion and coacting with the web portion to provide an open-ended channel, said web portion having hollow ribs extending transversely across the channel near the ends thereof, said ribs having rounded blunt contours, inclined lips on said web portion at the ends of the channel, a male plate member sized for fitting in said channel between said flanges of the female member, said male plate member having a hollow transverse rounded blunt rib across the midportion thereof together with inclined wings on opposite sides of the rib for coacting with said lips to form flaring mouths at the ends of the channel, said web portion of the female member having a pair of holes therethrough on the longitudinal axis thereof and between said ribs thereon, said male plate member having holes on opposite sides of the rib thereof and arranged for registration with the holes in the web, and nut and bolt assemblies adapted to cooperate with said male and female parts through said holes to draw the parts together to exert a corrugated or wave-like gripping action on a cable or rope in the channel while springing the wings of the male part against the nuts with lock washer effect.

2,453,433
HEAT DISSIPATION FOR ELECTRONIC TUBE APPARATUS
Edward Hansen, Queens Village, and Gerhold O. Davis, Kew Gardens, N. Y., assignors, by mesne assignments, to Jefferson Standard Broadcasting Company, a corporation of North Carolina
Application June 11, 1946, Serial No. 675,853
6 Claims. (Cl. 250—27.5)



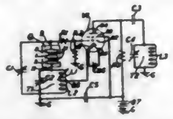
1. Electronic tube apparatus comprising, an electron tube, a closed refrigerating system having a cooling coil in heat exchange relation with a power output electrode of said tube, a refrigerating liquid reservoir mounted beneath said tube, a gas manifold mounted above said tube, said reservoir and manifold being connected to said cooling coil.

2,453,434
TIE FOR CONCRETE WALL FORMS
William D. Harder, Chicago, Ill.
Application June 25, 1947, Serial No. 756,961
3 Claims. (Cl. 287—109)



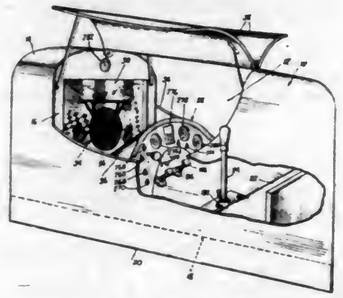
1. A tie of the class described comprising a hollow member, an extensible member receivable within the end of said hollow member in a longitudinal coaxial relation therewith, said extensible member being provided with a transverse notch, and a crimp made in said hollow member, said crimp entering said notch for rigidly retaining said extensible member within said hollow member, on application of force for shifting said extensible member within said hollow member said crimp being adapted for deflection from said notch for severing the engagement between said hollow member and said extensible member preparatory to the withdrawal of the latter from the former.

2,453,435
PIEZOELECTRIC CRYSTAL APPARATUS
Harald Havstad, Northport, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 28, 1945, Serial No. 637,662
19 Claims. (Cl. 250—36)



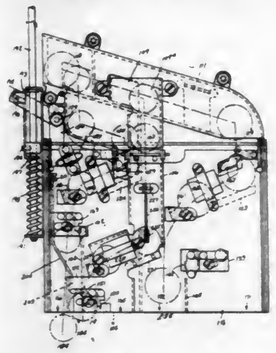
18. An oscillation system comprising an electron tube having cathode, control grid, screen grid and plate electrodes, a tuned plate circuit connected in circuit relation with said plate electrode, a tuned cathode circuit connected in circuit relation with said cathode and control grid electrodes, a piezoelectric crystal element having electrodes connected in circuit relation with at least one of said tuned circuits, said crystal electrodes comprising a pair of insulating bodies of substantially zero temperature coefficient of expansion having at least one pair of opposite metallic coatings formed integral therewith for establishing at least one electrical field through said crystal element disposed therebetween connector terminals including said electrodes for said crystal element, a holder for said connector terminals and said crystal element, said holder and said connector terminals constituting static capacitance means disposed in shunt circuit relation with respect to said crystal element, and a capacitor electrically connected across said connector terminals, said cathode tuned circuit, said crystal holder and connector terminals and said capacitor constituting a balanced circuit wherein said capacitor comprises means for balancing out said static capacitance of said crystal holder and connector terminals, said tuned cathode circuit being tuned to a mechanical harmonic of the fundamental thickness mode frequency of said crystal element, and said tuned plate circuit being tuned to an electrical harmonic of said mechanical harmonic frequency of said crystal element.

2,453,436
FLIGHT TRAINING APPARATUS
Ben Hertz, New York, N. Y., assignor to International Mutoscope Corporation, Long Island City, N. Y., a corporation of New York
Application March 9, 1943, Serial No. 478,511
16 Claims. (Cl. 35—12)



13. In apparatus of the character described wherein a shadow of a simulated airplane nose is cast on a movable translucent screen at the back thereof and is visible at the front of said screen, said nose being mounted for movement behind said screen, means for moving said nose, means for moving said screen, a reversible electric motor for operating said nose-moving means, simulated flight-control means at the front of said screen for controlling the operation of said electric motor, a reversible electric motor for operating said screen-moving means, and means operable under the control of said nose moving means for controlling the operation of said last mentioned motor.

2,453,437
COIN SELECTING DEVICE
Otto A. Hokanson, Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application December 11, 1944, Serial No. 567,581
3 Claims. (Cl. 194—99)

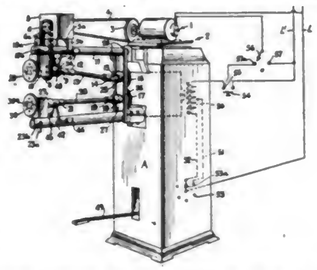


1. A coin selecting device including a coin receiving chute, a selector providing a confined space for receiving coins of predetermined size from said chute, a sloping runway in said space for causing said coins to roll downwardly thereon and drop therefrom, means for producing a magnetic field through which said coins are directed by said runway to vary their velocity and trajectory upon leaving said runway depending upon the magnetic composition thereof, a yielding diverter adjustably supported on said selector below said runway generally in the path of said coins to divert those coins dropping on said diverter to one side or the other thereof, depending upon the relative positions of the center of gravity of said coins when striking said diverter, said diverter comprising a lever pivotally mounted intermediate its ends having a counterbalance weight on one end thereof and a pivoted pendulum on its opposite end with a depending bob, and an intermediate lug on said pendulum extending into the path of the coin to be struck thereby.

2,453,438
ELECTRIC WELDING APPARATUS
William S. Horth, Cleveland Heights, Ohio
Application April 11, 1946, Serial No. 661,194
9 Claims. (Cl. 219—4)

1. Means for converting into a seam welding machine a spot welding machine provided with the necessary operating electrical circuits and having upper and lower spot welding arms and means for moving the upper arm toward and from the lower arm, the converting means comprising bearing blocks detachably connected to the respective arms and projecting toward each other, a shaft journaled in each of said bearing

blocks and each having a welding wheel secured thereto, flexible drive means secured to and extending between said shafts, a shaft and means



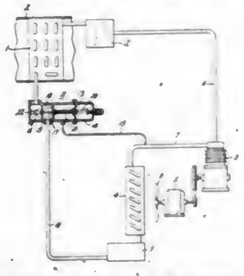
for driving the same, and driving means connecting the last mentioned shaft with the upper welding wheel shaft.

2,453,439

REFRIGERATION CONTROL SYSTEM

Albert B. Hubbard, Caldwell, N. J., assignor to General Electric Company, a corporation of New York

Application November 20, 1946, Serial No. 711,087
8 Claims. (Cl. 62—4)



1. A refrigerating system comprising a compressor and a condenser and an evaporator arranged in a closed refrigerant circuit, a motor for driving said compressor, a variable flow controlling device arranged in said circuit between said condenser and said evaporator and constituting the sole refrigerant flow controlling device in said system, and means responsive directly and substantially solely to a condition of operation on the high pressure side of said system for actuating said device automatically to control the flow of refrigerant to said evaporator and for maintaining the load on said motor substantially constant throughout each operating period thereof, said means constituting the sole means for actuating said device automatically.

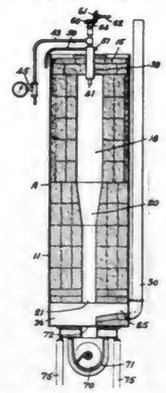
2,453,440

CARBON BLACK

Charles Kaufmann and Ronald H. Hall, Shawinigan Falls, Quebec, Canada, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada

Application April 12, 1944, Serial No. 530,638
In Canada May 11, 1943
2 Claims. (Cl. 23—209.4)

1. A continuous process of forming carbon black from an endothermic hydrocarbon gas comprising heating a chamber initially to a temperature at which the gas will dissociate into carbon black and hydrogen, continuously introducing the gas into the heated chamber in the form of a stream of appreciably smaller cross section than that of said chamber, cooling the gas as it is introduced into the chamber, continuously mechanically cleaning the inlet constituting the point of introduction of the gas into the chamber, the rate of introduction of the gas being effective to maintain



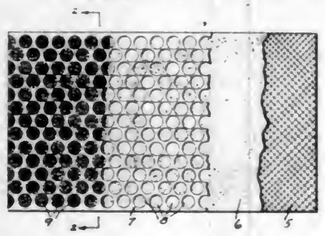
a dissociation temperature from the heat given off in the dissociation reaction, maintaining substantially constant the rate of introduction of the stream into the chamber thereby to cause substantially uniform structural formation of the carbon black, and recovering said carbon black from the chamber.

2,453,441

ORNAMENTAL FABRIC AND ARTICLES MADE THEREFROM

Samuel La Fair, Philadelphia, Pa.

Application June 15, 1946, Serial No. 676,996
5 Claims. (Cl. 154—47)



1. An ornamental fabric comprising a foundation sheet having a pressure sensitive adhesive on one face thereof to which is secured by said adhesive a sheet of plastic material having a plurality of perforations, and particles of tinsel disposed in said perforations and held therein by said adhesive.

2,453,442

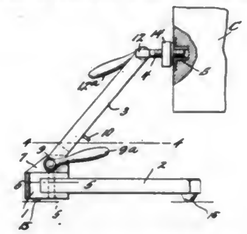
FOLDING CAMERA SUPPORT

David G. Lewis, Sunnyvale, Calif.

Application December 23, 1946, Serial No. 718,084
6 Claims. (Cl. 248—166)

1. A folding camera support comprising an anchor block, a pair of feet pivotally mounted upon the anchor block for movement in a horizontal plane, a strut pivoted at one end to the anchor block for movement in a vertical plane, said feet and strut being adapted to be swung from parallel closely spaced position to angularly spaced-apart position relative to each other,

spring means biasing said feet to spaced-apart position, a camera-supporting bracket pivoted to the other end of said strut for movement in a ver-



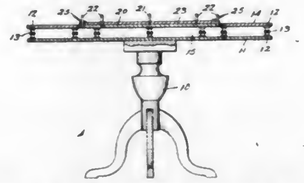
tical plane and an interengaging pin-and-socket connection between the strut and feet for preventing pivotal movement of the feet when the support is in folded condition.

2,453,443

SELF-SERVING TABLE

Evelyn Logan, Washington, D. C.

Application August 21, 1946, Serial No. 691,996
1 Claim. (Cl. 311—33)



A device of the character described, comprising a table top, a pedestal secured thereto, vertically disposed pegs on said top spacing members on said pegs for supporting a ring in spaced relation thereto, a bracket secured to and extending beyond the periphery of the inner opening of said ring, a pin carried by said bracket to support revolving means thereon, a circular member mounted on said revolving means, a tray mounted on said circular member, and vertically disposed pegs on said member for coaction with openings in said tray for detachably mounting said tray on said circular member.

2,453,444

MAGNESIUM BASE LITHIUM ALLOYS

Alfred C. Loonam, New York, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia

No Drawing. Application June 28, 1945, Serial No. 602,171
3 Claims. (Cl. 75—168)

1. A magnesium-base alloy comprising at least 70% of magnesium, from 3.6% to 12% of lithium, and substantially less than 0.1% of sodium, said alloy having improved ductility because of the low sodium content.

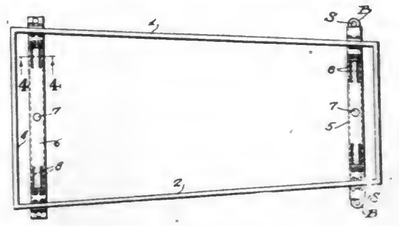
2,453,445

ANTISKID VEHICLE FRAME

Martin C. Lubcke, Emmett, Idaho

Application January 28, 1947, Serial No. 724,853
1 Claim. (Cl. 280—143)

In a body frame for use with the bolsters of a vehicle, the combination with a frame having a pair of spaced longitudinally extending sills, of a pair of transversely arranged inverted channel beams each having a pair of parallel slots adjacent its ends and mounted upon the bolsters, a pair of interchangeable angle brackets mounted on opposite ends of each beam and located beneath the sills, a pair of bolts passed through the



slots at each end of a beam and through an angle plate and nuts for securing said bolts, and a pair of bolts passed through each bracket and through a sill, and locking nuts for the last mentioned bolts.

2,453,446

PREPARATION OF CARBONATE SALTS OF CALCIUM AND MAGNESIUM

Walter McGeorge, Kingston Hill, and Francis Highland Milner, Twickenham, England

No Drawing. Application July 23, 1940, Serial No. 347,037. In Great Britain August 25, 1939
1 Claim. (Cl. 167—72)

A process for the preparation of a stomach powder base comprising mixing an aqueous solution of sodium carbonate containing sodium carbonate in the ratio of 100 parts by weight of sodium carbonate to 230 to 4000 parts by weight of water, with a solution of calcium chloride and magnesium chloride containing calcium and magnesium in substantially equimolecular proportions desired in the product and at the ratio of 100 parts by weight of the two chlorides in 155 to 4000 parts by weight of water by flowing the sodium carbonate solution and the calcium chloride and magnesium chloride solution together into a common flow zone whereby the two solutions are intermingled and caused to interact resulting in the coprecipitation of both calcium and magnesium in carbonate form and in a finely divided and intimately mixed condition, the quantity of the sodium carbonate solution being in excess of the theoretical quantity required for precipitating the calcium and magnesium.

2,453,447

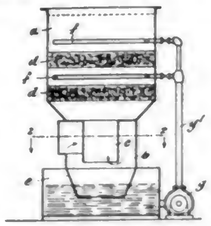
FILTER FOR GASEOUS MEDIUMS

Charles George McKeown, Dudley, England, assignor to Controlled Heat & Air Limited, Smethwick, England, a British company

Application January 24, 1945, Serial No. 574,226
In Great Britain February 1, 1944
1 Claim. (Cl. 183—16)

In an apparatus of the class described, in combination, a gas-washing chamber, a horizontal porous partition extending across the chamber, means for distributing liquid with substantial uniformity upon the partition, a central inlet into the bottom of the chamber having a horizontal cross-sectional area which is substantially less than that of the partition, an open-bottom intake chamber that has a tangential inlet and extends below and around the inlet of the gas-washing chamber, whereby the whirling gas in the intake chamber is forced to pass radially inward through a continuous annular curtain of liquid falling

from the inlet of the gas-washing chamber, and a settling tank below the intake chamber, the



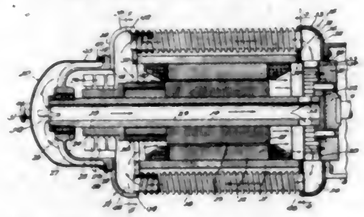
walls of the intake chamber extending below the liquid level in the settling tank.

2,453,448
HEAT EXCHANGER
Morton H. McTurk, Philadelphia, Pa.
Application November 15, 1945, Serial No. 628,763
7 Claims. (Cl. 257—262.20)



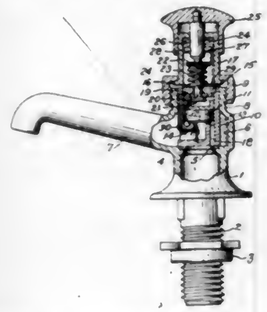
1. In a heat exchanger, a tube having a wall of substantially even thickness throughout and adapted to contain fluid the temperature of which is to be influenced, wire conductors on the exterior of said tube, and securing means for holding said wire conductors on said tube, said securing means comprising three wires encircling said tube and arranged side by side, and said wire conductors being in heat exchanging position on the exterior of said tube and extending between the center one of said three wires and said tube and thence between said center wire and the securing wires at the opposite sides thereof, said wire conductors extending outwardly from said tube and from position between said securing wires, the outer two wires of said three wires of said securing means being directly against the surface of said tube.

2,453,449
DYNAMOELECTRIC MACHINE WITH CLOSED AIR CIRCULATING SYSTEM
Lee W. Melcher, Oconomowoc, Wis., assignor to Waukesha Motor Company, Waukesha, Wis.
Application October 4, 1946, Serial No. 701,351
10 Claims. (Cl. 171—252)



1. A dynamo-electric machine comprising an elongated shell having closure members at its ends, a stator in the shell, an armature within the stator, a rotary shaft for the armature, extending lengthwise through the shell and having a longitudinal open ended passage therein, a hollow heat exchanger disposed exteriorly of the shell, having the interior thereof in communication with the ends of the passage in the armature shaft, and forming with said passage a closed air circulating system, and a fan disposed in the system and arranged and adapted during drive thereof to cause the air in the system to circulate repeatedly first through said passage and then through the heat exchanger.

2,453,450
PRESSURE CONTROLLED SELF-CLOSING VALVE
James F. Molloy, Oakland, Calif.
Application June 24, 1946, Serial No. 678,823
2 Claims. (Cl. 137—139)

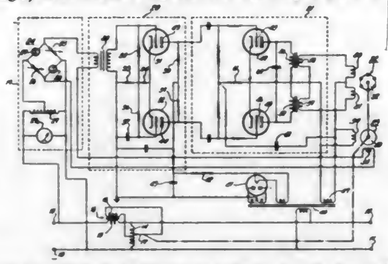


1. A valve in the class described, comprising a body with an inlet and an outlet; a block in said body having a pressure chamber open to said inlet and a base sealing said inlet and having a stop valve seat in its upper portion open to said outlet in said body; a disk closing the top of said pressure chamber and having a spring seated vent valve therein with a stem projecting above said disk; a cap on said body and bearing against said disk and communicating with the outlet from said body; a push button having a shank projecting through the top of said cap and contacting said valve stem below and having a transverse pin projecting therefrom; a stop in the top of said cap adapted to hold said button down when engaged by said pin and having a transverse slot adapted to release said button when engaged by said pin; and a stop valve in said pressure chamber closing said stop valve seat, when said vent valve stem is released.

2,453,451
VOLTAGE REGULATOR SYSTEM
Francis L. Moseley, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application May 21, 1947, Serial No. 749,577
5 Claims. (Cl. 323—45)

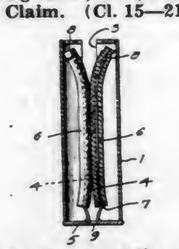
1. A voltage regulator system comprising input terminals supplied with alternating voltage, output terminals, transformer means coupling said input and output terminals, said transformer means including an autotransformer having an adjustable contact arm, means responsive to the position of said arm to apply a compensating voltage to the supply voltage to maintain the output voltage at a desired fixed level, and means to automatically adjust said arm, the last-mentioned means including a follow-up motor, means to produce a follow-up control voltage proportional to the extent to which said supply voltage departs from said desired level, and means to apply said control voltage to cause rotation of said motor

to an extent sufficient to move said arm to a point to restore said output voltage to said desired level, said means to produce said follow-up control voltage comprising a Wheatstone bridge which is normally balanced when said output voltage is at the desired level; and said means to apply said control voltage comprises a pair of grid-controlled gaseous discharge tubes which are connected to said bridge so as to be selectively fired in accordance with the direction of unbalance of said bridge, said follow-up motor having a pair of ex-



citation windings for producing a rotating field, means coupling each of said windings respectively to the output circuit of one of said gas tubes, a condenser connected in common to the plate circuits of said gaseous tubes, and means responsive to the firing of one tube to connect said condenser effectively in series with one of the motor windings and the A. C. power supply therefor while effectively bridging the said A. C. power supply substantially directly across the other winding.

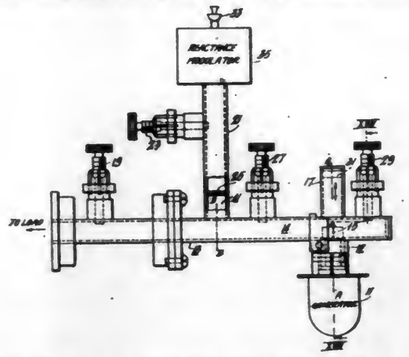
2,453,452
DIP STICK CLEANER
Kenneth Nielsen, Westby, Wis.
Application August 24, 1945, Serial No. 612,363
1 Claim. (Cl. 15—210)



In a dip stick cleaner of the character specified, a longitudinally slotted tube and a cleaning element removably mounted in said slotted tube, said cleaning element comprising a pair of corresponding longitudinally disposed fabric covered steel spring strips pressed together at the desired tension, but adapted to be spread apart against such tension when the dip stick is drawn crosswise through the slotted portion of the tube to clean the former and a circular base to which the lower ends of said strips are attached, said base adapted to fit against the lower end of the slotted tube.

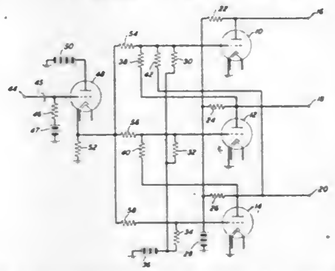
2,453,453
FREQUENCY MODULATION SYSTEM
Lowell E. Norton, Princeton Junction, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1945, Serial No. 579,767
19 Claims. (Cl. 179—171.5)

1. The method of employing a variable control impedance for modulating the frequency of a signal generator comprising the steps of transforming the impedance value of said variable impedance to a lower variable impedance value having a relatively higher Q, resonating a predetermined



value of said transformed impedance value substantially to said generator frequency, and shunting said generator by said resonated transformed variable impedance value.

2,453,454
CODER FOR CODE MODULATION TRANSMISSION
Andrew C. Norwine, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1946, Serial No. 694,256
7 Claims. (Cl. 179—1.5)

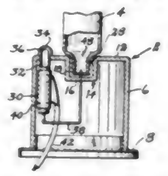


1. In a communication system, a coder for generating representations of the instantaneous amplitude of a wave to be transmitted according to a code of a plurality of code elements each representative of a different fixed portion of the total possible amplitude of said wave, said coder comprising a plurality of relays each controlling an output signal corresponding to one of said code elements, means for applying said wave to all of said relays, means for deriving from the outputs of all of said relays except that representing the largest portion of the signal amplitude voltages proportional to the amplitude portions which the relays respectively represent, and means for applying the voltage derived from each relay to each other relay controlling a larger derived voltage.

2,453,455
VAPORIZER
Carl Persak, Wallington, N. J.
Application July 21, 1947, Serial No. 762,364
6 Claims. (Cl. 219—38)

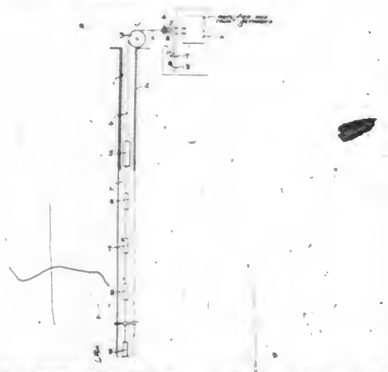
1. A vaporizer comprising in combination a vaporizing chamber, means to heat the chamber

to vaporize the liquid therein, means to discharge such vapor from the chamber, and means to feed liquid to be vaporized into the chamber comprising a small diameter tube of generally U shape, the first leg of the U being connected to the bottom of the chamber and the second leg of the U projecting to a height on a level between the



top and somewhat above the bottom of the vaporizing chamber, a supply container mounted above such second leg of the small U tube, such supply container having in its bottom an aperture slightly larger than the outer diameter of such U tube, the upper end of the second leg of the U tube projecting into the body of the supply container through said aperture.

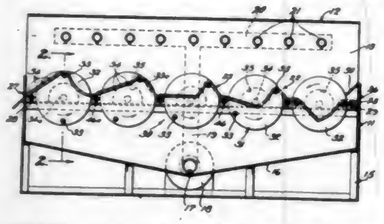
2,453,456
INSTRUMENT FOR MEASURING WATER FLOW IN WELLS
Raymond G. Piety, Tuckahoe, N. Y., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 7, 1945, Serial No. 581,471
9 Claims. (Cl. 250—83.3)



1. An apparatus for measuring the flow of fluid in a bore hole, comprising means in the bore hole for injecting a radioactive sample into the fluid in the bore hole, a plurality of spaced gamma ray detectors in the bore hole below said injector, means for suspending said injector and detectors in the bore hole in any one of a desired number of fixed positions, and means at the upper end of the bore hole for successively recording the output of said detectors.

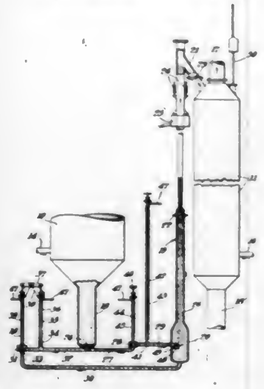
2,453,457
PRODUCE WASHING MACHINE
Leland H. Platt, Leland H. Platt, Jr., and John D. Platt, Los Angeles, Calif.
Application May 13, 1946, Serial No. 669,305
2 Claims. (Cl. 198—108)

1. Produce washing equipment comprising a flexible belt, a housing including vertical walls extending along and in close proximity to the sides of the belt, a series of opposed pairs of vertical discs rotatable adjacent the insides of said walls, a pair of rods carried by each opposed pair of discs and extending transversely beneath the belt, said rods operating alternately to engage



and elevate the undersurface of the belt, and means for driving said disc pairs to effect progressive wave-like deflections of the belt to advance the produce thereon.

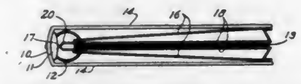
2,453,458
CATALYST TRANSFER SYSTEM
Carl S. Reed, New York, August Henry Schutte, Hastings-on-Hudson, and Vernon O. Bowles, Dobbs Ferry, N. Y., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Application November 24, 1943, Serial No. 511,558
14 Claims. (Cl. 23—1)



6. In a catalytic reaction process wherein a catalyst of solid material in a divided state is passed downwardly through a reaction zone to a low point of the latter, elevated to a relatively high level above said point, passed to a catalyst reactivation zone for downward passage therethrough to a low point and elevated and returned to the reaction zone for re-use, the improvement in each of said catalyst transfers between said zones, with prevention of gas exchange between the zones, comprising passing the catalyst from the low point of one of the zones into a body of sealing liquid non-wetting and non-reactive with respect to the catalyst and heavier than the latter, forming of said liquid a column extending upwardly from the level of said low point of the respective zone, passing from said body to said column a stream of the liquid containing the received catalyst for elevation of the catalyst by flotation to the top of the column, constraining the catalyst so elevated to form a column thereof sustained by the column of liquid and reaching to the said high level, passing the catalyst from the upper end of the column thereof into the other of said zones, passing a return stream of the liquid from said column thereof to said body, and regulating the delivery of the liquid by said return stream to maintain a predetermined level of the liquid of said body at said low point.

13. In a catalytic reaction apparatus in which a solid catalyst in a divided state passes downwardly through an enclosed zone and leaves said zone through a liquid seal, the combination of a chamber defining the reaction zone, a chamber defining a catalyst regeneration zone, catalyst transfer connections leading respectively from a low point of the reaction chamber to a high point of the regeneration chamber and from a low point of the regeneration chamber to a high point of the reaction chamber, each of said transfer connections comprising a standpipe extending upwardly along one of said chambers to a relatively high level above the bottom of the chamber, a delivery conduit connection between the lower portion of said chamber and the lower portion of said standpipe, said lower portion of the chamber, communicating with said conduit connection, being substantially reduced in horizontal cross section, pump means associated with said conduit connection, a return conduit connection between the lower end portion of said standpipe and the lower portion of said chamber, a valve mechanism associated with said return conduit connection and responsive to delivery of liquid through said return conduit connection to said chamber to control such delivery and maintain liquid in the lower portion of the chamber at a predetermined level, and a catalyst delivery connection between the upper portion of said standpipe and the other one of said chambers.

2,453,459
EXPANDER FOR LOOSE-LEAF NOTE BOOKS
William B. Roberts, Junction City, Kans.
Application June 6, 1947, Serial No. 753,079
6 Claims. (Cl. 129—4)

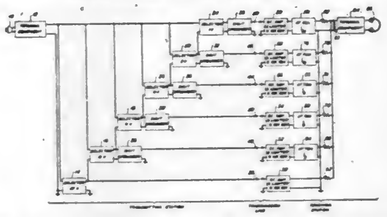


1. An expander for use in a conventional loose leaf binder having a back, rings carried by said back to support a filler, and a pair of covers hinged to said back to respectively overlie opposite sides of said filler; said expander comprising a sheet of resiliently pliable material medially transversely folded to provide a pair of similar inner plates receiving said filler between them and having ring receiving slots adjacent said fold, and a pair of outer plates each joined along one edge to the edge of a corresponding inner plate parallel to said fold and having ring receiving holes in the free edges thereof, each inner plate having opposite, parallel folds adjacent its junction with the corresponding outer plate to provide interplate portions operative to exert resilient pressure between the sides of said filler and said covers when said binder is closed.

2,453,460
MANUFACTURE OF TETRAALKYL THIURAM MONOSULFIDE
Walter Arnold Robshaw, Wrexham, Wales, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 16, 1944, Serial No. 554,552. In Great Britain May 9, 1944
5 Claims. (Cl. 260—567)

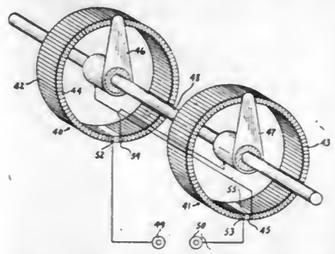
1. The process of manufacturing tetra alkyl thiuram monosulfides which consists in oxidizing an alkali metal salt of a dialkyl dithiocarbamic acid in the presence of an alkali metal cyanide.

2,453,461
CODE MODULATION COMMUNICATION SYSTEM
John C. Schelleng, Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 19, 1946, Serial No. 677,667
18 Claims. (Cl. 179—1.5)



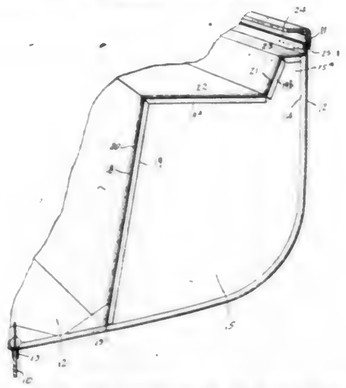
12. In a system for generating binary code representations of the magnitude of a complex wave, a group of selectors each responsive only to an input greater than its individual operating input, the operating inputs of said selectors being related in magnitude as powers of two, means for applying the complex wave to the selector having the largest operating input, means for applying to each of the other selectors an input signal equal to the magnitude of the complex wave less the sum of the operating inputs of operated selectors having larger operating inputs, means for producing output signals for the selectors which are operated, separate channels for transmitting said signals to a receiving station, means at the receiving station for converting the transmitted operating voltages into voltages proportional to the operating voltages of the selectors represented thereby, and means for adding the converted voltages together.

2,453,462
MULTIPLE ELEMENT RHEOSTAT
John K. Sellers, Warren, Ariz.
Application March 25, 1946, Serial No. 656,796
8 Claims. (Cl. 201—56)



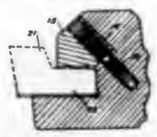
1. An adjustable multiple element rheostat, adapted for inclusion into a current carrying circuit, comprising a plurality of interconnected resistance elements each provided with permanent circuit connections at both ends, and with a contact member movable along said element, one of said permanent end connections being an interconnection between the resistance elements, connecting one end of a resistance element permanently with the movable contact member of another resistance element.

2,453,463
CONSTRUCTION OF SMALL BOATS
Alvin G. Sherman, Grosse Pointe Park, Mich., assignor to Globe American Corporation, Kokomo, Ind., a corporation
Application June 12, 1945, Serial No. 599,024
3 Claims. (Cl. 9—6)



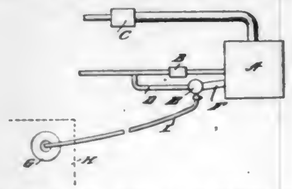
1. A small boat constructed of sheet metal, including a keel, gunwales secured to said keel at opposite ends thereof, a sheet metal hull, a series of spaced bulkhead plates secured to and extending inwardly from said hull, cockpit plates extending upwardly from said hull between said bulkhead plates flush with the inner and upper edges thereof, said cockpit plates having inwardly flanged side edges extending along the edge portions of each adjacent bulkhead plate with the edges of the latter lying substantially flush with the outer surfaces of said cockpit plates, and a continuous welded seam extending over the edges of the bulkhead plates and between the adjacent flanged portions of the cockpit plates to secure them together in sealing relation.

2,453,464
TOOLHOLDER
Henry M. Sheridan, Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn., a corporation of Connecticut
Application May 31, 1945, Serial No. 596,820
1 Claim. (Cl. 29—96)



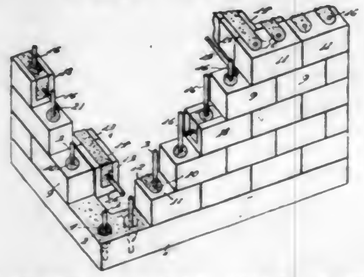
In a tool bit holder, a straight solid shank, a bit seat constituting a straight axial extension of said shank having a bit receiving surface substantially parallel with the axis of said shank, a vertical terminal wall of said shank constituting an inner terminal wall for said bit receiving surface, an inclined guide surface formed on said shank outwardly of said terminal wall and overlying said bit receiving surface and disposed with respect thereto at an angle of substantially 45°, a wedge adjustably mounted on said guide surface having a bit surface disposed towards said bit receiving surface and in a plane substantially parallel therewith to form in combination with said bit receiving surface and said terminal wall a bit shank receiving pocket bounded by three right angularly disposed surfaces, a plurality of transversely disposed spaced flat faced pressure ribs formed on said wedge bit surface having their flat faces in a single plane to engage a flat bit surface at spaced parallel areas, and adjusting means comprising an adjusting screw having separate reversely threaded sections, one of said sections threadedly engaging said wedge while the other section threadedly engages the shank, said screw being operable from the bit end of said shank to move said wedge towards and from said bit receiving surface to apply vertical pressure by said pressure ribs against a bit shank seated thereon.

2,453,465
APPARATUS FOR MIXING DRILLING MUD
John I. Sloan, Tulsa, Okla., assignor of one-fifth to John H. Poe, Tulsa, Okla.
Application November 16, 1945, Serial No. 629,089
11 Claims. (Cl. 259—4)



1. Apparatus for mixing powdered ingredients with drilling mud, including a settling pit, a main circulating line for conveying the drilling mud from the pit to the well and back to the pit, a pump for forcing the drilling mud through the circuit, a by-pass line leading from the main circuit, beyond the pump, back to the pit, whereby the pump forces a portion of the drilling mud through said by-pass back to the pit, a mud mixing chamber in the by-pass line, said mixing chamber having an opening for the admission of the powdered ingredients, means for creating a vacuum at said opening, a vacuum pick-up head for insertion in the supply of powdered ingredients, an operative connection between said vacuum head and said opening, and said connection including a flexible line whereby the vacuum pick-up head may be variably positioned, close to or distant from the mixing chamber, in accordance with the variable location of the supply of powdered ingredients.

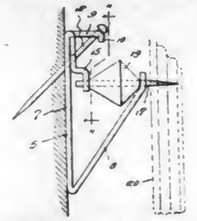
2,453,466
BUILDING CONSTRUCTION
Joseph Slobodzian, Phoenixville, Pa.
Application April 20, 1944, Serial No. 531,864
2 Claims. (Cl. 72—15)



1. A building construction, having the regular courses in its walls formed of rectangularly

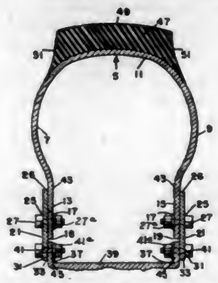
shaped, solid blocks of Foam Glass, machined to size and having spaced apertures opening through their tops and bottoms, the wall blocks at a floor level being formed of rectangularly shaped blocks of Foam Glass machined to size with apertures opening through their tops and bottoms to register with the apertures in the blocks of the regular courses and having slots extending laterally from their apertures and terminating above the bottoms of the blocks at a floor level, rectangularly shaped floor blocks having longitudinally extending channels opening through their tops, metal reinforcements in said apertures of the blocks of the regular courses, metal reinforcements in the channels of the floor blocks extending through said slots and into apertures of the blocks of the regular courses at opposite walls, and concrete embedding said reinforcements and bonded with said wall and floor blocks.

2,453,467
PICTURE HANGER
Thomas F. Smith, Pasadena, Calif.
Application September 28, 1945, Serial No. 619,066
3 Claims. (Cl. 248—28)



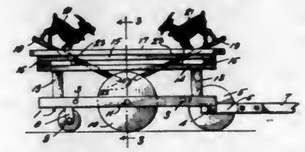
1. In a hanger for picture frames and the like, a bracket having a backing strip adapted for attaching to a wall or the like, said backing strip having a receiving socket therein, and also having an arm extending outward from the lower end thereof with an open socket thereon aligned with the socket in the backing strip, a screw adapted for mounting in a picture frame with the axis thereof perpendicular to the surface of the frame, said screw having an enlargement thereon for positioning between the receiving and open sockets of the bracket with the screw freely held in said sockets.

2,453,468
SPRING STEEL SHOE WITH RUBBER SOLE
William J. Sprong, Alhambra, Calif.
Application March 29, 1945, Serial No. 585,508
2 Claims. (Cl. 152—249)



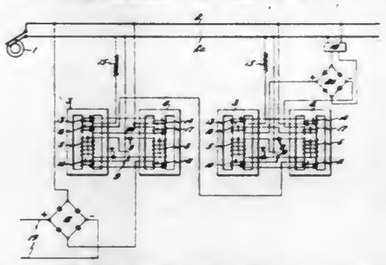
1. A device of the type described, comprising a tempered spring steel body having resilient arcuate side portions and an arcuate tread receiving portion formed integral therewith a rubber traction tread member secured to the outer surface of said tread receiving portion, circular flange engaging portions depending from said side portions, and circular flanges having staggered relatively spaced openings therein engaging the outer faces of said flange engaging portions for connecting said flange engaging portions to a vehicle wheel head.

2,453,469
WHEELED FIGURE TOY
Elia Stapan, Chicago, Ill.
Application October 25, 1946, Serial No. 705,552
5 Claims. (Cl. 46—107)



5. A toy comprising a platform formed with longitudinally extending slots, tracks extending longitudinally of the platform, carriers extending vertically through the slots and converging downwardly, guides carried by the carriers and engaged with the tracks to mount the carriers for sliding movements longitudinally of the slots and tilting movements towards and away from each other during their sliding movements, rotary drive means under the platform connected with the lower ends of the carriers and imparting movement to them when rotated, and objects carried by the carriers above the platform and moved toward and away from each other by movements of the carriers.

2,453,470
ELECTRIC CONTROLLING APPARATUS
Stephan Steinitz, New York, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application December 7, 1945, Serial No. 633,402
11 Claims. (Cl. 323—89)



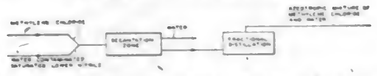
11. Amplifying apparatus comprising an alternating current source and reactive means, said means comprising two main windings supplied with current from said source and delivering current to a controlled circuit, half-wave rectifiers in the circuit of said main windings respectively for causing each of said windings to be subjected to a current in one direction during half-wave periods, the output circuit from said windings being connected to deliver alternating current to the controlled circuit, two windings subjected to an approximately constant current and respectively related to said main windings for reducing the magnetizing current of said main windings, two windings subjected to said alternating cur-

rent of the controlled circuit and respectively related to the main windings to cause their magnetomotive forces when the main windings are inactive to be in the same direction respectively as the magnetomotive forces of the main windings when active, and two control windings subjected to changes in current and respectively related to the main windings for increasing the current in the main windings upon increase of current in the control windings and for decreasing the current in the main windings upon decrease of current in the control windings.

2,453,471
PRESERVING CAUSTIC SODA FROM CONTAMINATION IN METAL CONTAINERS
John Lyman Switzer and John C. Michalek, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application May 2, 1940, Serial No. 332,966
4 Claims. (Cl. 117—75)

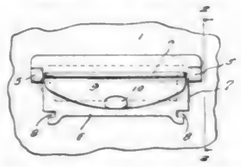
3. The method of preserving caustic soda in metallic containers from contamination with corrosion products of the metals of the containers which comprises applying to the metal surface a priming coat having good adherence for the metal and comprising corrosion inhibiting pigments mixed with chlorinated rubber and a compound selected from the group consisting of phenolic resins and long oil alkyd resins, and subsequently applying to the primed surface a mixture containing a relatively large proportion of polystyrene and a relatively smaller proportion of a finely-divided pigment that is substantially inert with respect to caustic.

2,453,472
DEHYDRATION OF SATURATED NITRILES
John W. Teter and Walter J. Merwin, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application October 12, 1944, Serial No. 558,475
1 Claim. (Cl. 202—60)



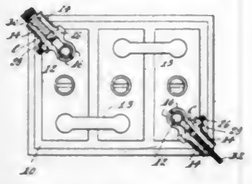
A process for the dehydration of saturated nitriles of 2 to 4 carbon atoms per molecule which comprises adding methylene chloride to a hydrous nitrile, subjecting the mixture to stratification to separate an aqueous upper layer, and fractionally distilling the water and methylene chloride from the lower layer as a binary azeotrope.

2,453,473
STOVE FLUE COVER
Catherine H. Thieman, Beaver Dam, Wis.
Application December 7, 1945, Serial No. 633,396
1 Claim. (Cl. 126—280)



In a stove having a wall provided with an opening, a flue connected to said wall and communicating with said opening, there being an outwardly-extending offset at each of the upper corners of said opening, a catch including an upwardly-projecting looped branch arranged exteriorly of said wall adjacent to each of said offsets and spaced from the wall so as to provide a space therebetween, a plate adapted to be detachably connected to said wall adjacent said opening in a position to form an apron for the latter and in a position to form a closure for said opening, said plate being provided with a slot in each end thereof, the side edges of the slots engaging opposite surfaces of said wall adjacent the edges of said opening when the plate is in a position to form an apron for said opening, and a projection on the exterior face of said plate serving as a supporting brace when the plate is in position to form an apron for said opening, each end of said plate being formed with an offset so as to provide a shoulder, the shoulders of said plate being received within the aforesaid spaces when the plate is in a position to form a closure for said opening.

2,453,474
BATTERY TERMINAL CLAMP
Wesley W. Thumann, Stuttgart, Ark.
Application December 4, 1944, Serial No. 566,417
2 Claims. (Cl. 173—259)

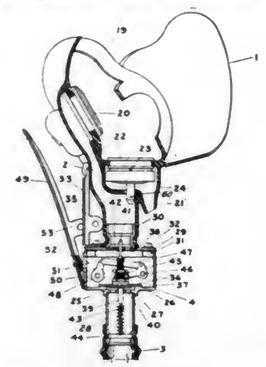


1. In a battery terminal clamp, a pair of identical clamping elements, said elements having registering holes intermediate their ends for reception of a bolt for securing the elements together, said elements when assembled forming a terminal hole transversely therethrough at one end thereof, the opposite ends of said elements having mating faces spaced apart when in parallel relation, said mating faces having registering longitudinal recesses formed therein for gripping a cable, said recesses having spiral ribs formed therein, and the ends of said mating faces opposite said terminal hole having registering cross-grooves of shallower dimension than said recesses.

2,453,475
RESUSCITATION APPARATUS
Cornelius A. Tobias, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application September 14, 1945, Serial No. 616,389
3 Claims. (Cl. 128—29)

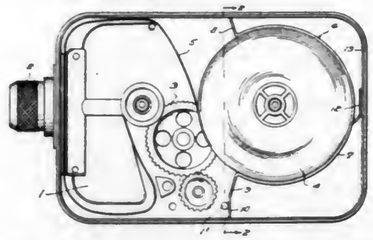
2. A resuscitation apparatus including a breathing mask; a manually operated valve comprising a valve body and a valve disk attached to said mask so arranged that one hand can be employed both to apply said mask and to control said valve; said manually operated valve communicating on its high pressure side with a source of compressed gas and on its low pressure side through a first check valve with the interior of said mask, said first check valve closing in response to relatively superior pressure within the interior of said mask; a second check valve opening in response to pressure within the interior

of said mask superior relative to that in said valve body, for controlling flow of fluid between the interior of said mask and the atmosphere through a passage independent of said valve



body; a port communicating between said valve body and the atmosphere; and means for opening said port simultaneously with the seating of the disk of said manually operated valve.

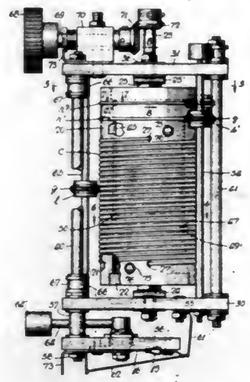
2,453,476
FILM SPOOL GUIDE RING
Robert A. Troidl, Lake George, N. Y.
Application March 8, 1946, Serial No. 653,085
2 Claims. (Cl. 242—71)



1. In combination with a moving picture camera having a film feed spool, film rolled upon said feed spool, a resilient arcuate film guide ring disposed concentrically about said feed spool and film engageable with said film as it feeds from said feed spool, radially extending bearing extremities on the ends of said guide ring engageable with the opposite inner edges of said camera, a resilient positioning and bearing tongue struck from the guide ring between said bearing extensions engageable with the inner end of said camera, and a cross pin disposed transversely of said camera engaged by one of said bearing extremities forming a positioning stop for said guide ring.

2,453,477
BROAD BAND VARIABLE TUNING COIL
Shirley Irving Weiss, New York, N. Y.
Application July 27, 1944, Serial No. 546,869
8 Claims. (Cl. 171—242)

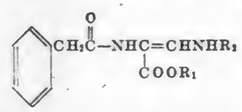
1. An inductor unit, comprising a frame, an insulating cylindrical drum thereon, an inductor coil about said drum, a plurality of collector rings coaxial with said drum, means affixed within said drum electrically connecting each of the rings to a different portion of the coil, contacts on the frame electrically connected to the respective collector rings, a contact shoe engaging the inductor coil,



means for connecting an impedance load to said contact shoe and means for adjusting the position of said contact shoe along said coil.

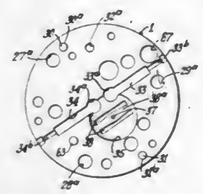
2,453,478
PHENYL- AND PHENYLALKYLAMINO-METHYLENEPHENACETURATES
Arthur W. Weston, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application January 16, 1946, Serial No. 641,635
4 Claims. (Cl. 260—471)

3. Compounds represented by the formula



where R_1 is an alkyl group and R_2 represents a member selected from the class consisting of benzyl and phenyl groups.

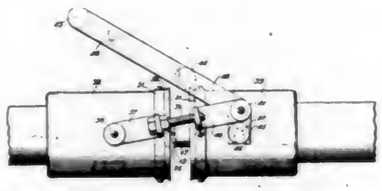
2,453,479
TIME FUSE
Richard H. Whitehead, New Haven, Conn., assignor, by mesne assignments, to the United States of America
Application October 5, 1939, Serial No. 298,128
1 Claim. (Cl. 102—84)



A time fuze comprising a detonating device, a timing mechanism, a means for connecting the timing mechanism to the detonating device for releasing the latter, said timing device comprising a plate having a lateral recess, an escapement wheel pivoted within said recess in said

plate, a second plate parallel to said first mentioned plate and above said wheel, said second plate being relatively thin and having a pair of openings therethrough in alignment with the periphery of said wheel and defining between them a bridge connected to said plate at both ends and overlying the periphery of said wheel, an oscillating element pivoted in said bridge and having relatively short pins extending through said openings in said thin second plate into the plane of said wheel in position to cooperate therewith, said first mentioned plate having substantially parallel slots therethrough closely spaced to provide a narrow bridge portion between them having the pivot for the escapement wheel, said slots and second mentioned bridge providing for adjustment of the pivot bearing relative to said pins of the oscillating element.

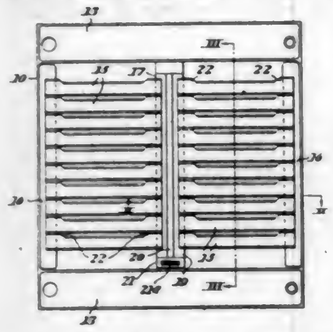
2,453,480
QUICKLY DETACHABLE COUPLING
Hilding V. Williamson and Raymond Harry Griesemer, Chicago, Ill., assignors to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application November 2, 1945, Serial No. 626,308
11 Claims. (Cl. 285—171)



1. A coupling for fluid conduits to carry a cooled medium, comprising a pair of hollow members, heat insulation means on the outside of said members, seating surfaces including a gasket at the meeting ends of said members to cooperate to establish a tight seal when the members are together, sealing means spaced outwardly from said seating surfaces to cooperate to establish a seal between the contiguous ends of said insulating means to exclude atmospheric moisture from the region of said seating surfaces, and releasable means for retaining the member together.

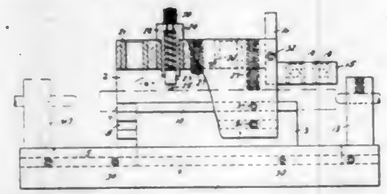
2,453,481
ANODE FOR ELECTROLYTIC COATING
Abram B. Wilson, Hollidays Cove, W. Va., assignor to National Steel Corporation, a corporation of Delaware
Application March 14, 1944, Serial No. 526,393
2 Claims. (Cl. 204—286)

1. In an electroplating apparatus wherein a plurality of anodes are disposed in spaced, side-by-side relation in a bank in an electroplating bath, the combination of a plurality of anode bars and spaced guides in said bath for supporting the anode bars and over which they may be moved, one of said guides being an electrical contact member for supplying current to the anode bars, each anode bar comprising an elongated body portion, the cross section of which is quadrilateral, and quadrilateral end portions adapted to ride on said guides, said end portions being of greater cross-sectional area than and extending laterally beyond said body portion, and having coplanar faces parallel to the axis of the body portion, the faces of the end portions resting on the guides, together with the corresponding faces of adjacent anode bars, substantially completely covering the



portions of the guides traversed by the anode bars as they are moved therealong.

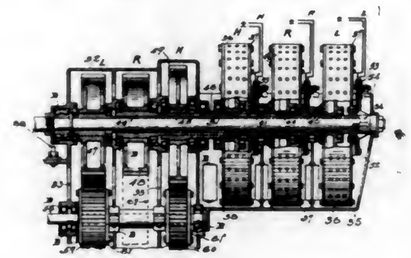
2,453,482
UNIVERSAL DRILL JIG
Charles H. Woolson, Syracuse, N. Y.
Application September 14, 1946, Serial No. 697,029
1 Claim. (Cl. 77—62)



A universal drill jig including a base, a carriage, drill guide openings, the block being adjustable lineally along the ways of the base, and the carriage adjustable lineally along the ways of the block to locate drill openings relative to the work between the carriage and the block, a reversible work holder block between the base and the carriage and having ways slidably interfitting with ways of the base and of the carriage and reversible to interlock the ways interfitting with the base with the ways interfitting with the carriage and vice-versa, the block having work receiving channels of different contour on opposite sides thereof arranged to be alternately brought into position opposed to the carriage upon reversing of the block, the carriage having a plurality of duplicate ways for coacting with the ways of the block and arranged to space the block different distances from the carriage, whereby work of different diameters are clamped between the opposing faces of the block and the carriage in juxtaposition to the drill guide openings.

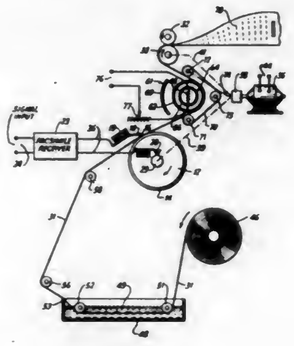
2,453,483
ELECTROMECHANICAL RAILROAD LOCOMOTIVE
Frank B. Yingling, Hamilton, Ohio
Application December 3, 1942, Serial No. 467,762
4 Claims. (Cl. 105—130)

1. In an electromechanical coupling unit for transmitting power and including a plurality of spaced impellers, the combination with a drive shaft having a driving head rigid with one of the impellers and detachable joints rigidly uniting adjoining impellers, a plurality of driven tubular shafts concentric with the drive shaft, a rotor rigid with each driven shaft, and selective



electrical means for energizing a selected coupling.

2,453,484
ELECTROLYTIC SIGNAL RECORDING
Charles J. Young, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1946, Serial No. 673,225
4 Claims. (Cl. 346—74)



1. Facsimile recording apparatus comprising means for producing a record electrolytically which is visible on a record sheet, means for thereafter treating said record sheet with light from a light source to fix the color of the background of said sheet, said light source being of a nature to evolve heat, and means for utilizing the heat from said light source to dry and smooth the sheet.

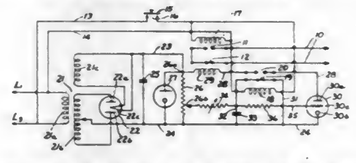
2,453,485
EAR DECORATION
Gene M. Axtell, Berkeley, Calif.
Application February 20, 1947, Serial No. 729,722
6 Claims. (Cl. 63—14)

1. An article of the class described comprising a continuous resilient member of looped form adapted to be looped over the upper part of the helix and over the lobe of the ear with one side of the loop extending along the back of the ear and the other side of the loop extending along the front of the ear and acting as a support for decorative elements, and decorative elements mounted on and extending along the side of the looped member which extends along the outer side of the ear to provide ear ornamentation ex-



tending from the upper part of the helix to the lobe of the ear.

2,453,486
ELECTRONIC TIMER
Jack Ball, Cleveland, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 1, 1945, Serial No. 570,977
5 Claims. (Cl. 315—238)

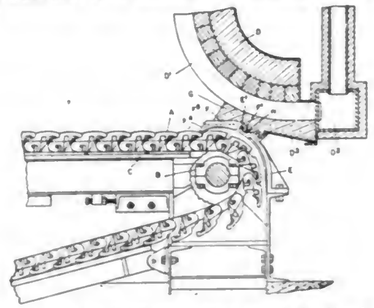


1. Means for timing the period of energization of a power circuit comprising means for causing energization of said circuit including a first relay, means for causing de-energization of said circuit including a second relay, an energizing timing circuit for said second relay including in series a pair of normally open contacts and a space discharge tube of the trigger type having a control grid controlling the conductivity condition of said tube and a source of substantially constant electric potential for said timing circuit, a condenser circuit including a condenser controlling the potential of said grid and a source of electricity for charging said condenser and a short circuit for said condenser including a pair of normally closed contacts, voltage regulator means for controlling the potential of said electrical sources for said timing circuit and for said condenser circuit, relay means for opening said normally closed contacts of said condenser circuit and for closing said normally open contacts of said timing circuit, means for energizing said relay means substantially simultaneously with energization of said first relay, and said second relay being responsive to a change in the conductivity condition of said tube to cause deenergization of said power circuit.

2,453,487
SEALING MEANS FOR TRAVELING GRATE STOKERS
Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application February 16, 1945, Serial No. 578,169
2 Claims. (Cl. 110—40)

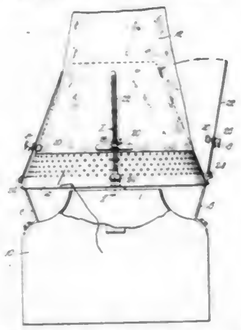
1. In a stoker, the combination with a traveling grate and a furnace wall adjacent to one end thereof, of sealing means between said grate and furnace wall comprising a member pivotally anchored at one end and extending over said grate in the direction of travel thereof to rest there-

upon, and a yieldable packing between said furnace wall and said member permitting movement



of the latter to ride over any irregularity in the surface of the grate.

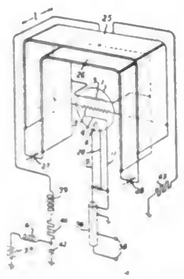
2,453,488
GARMENT DRIER HEAD
Phil C. Bowen, Merriam, Kans.
Application September 10, 1945, Serial No. 615,320
1 Claim. (Cl. 34—106)



A garment drier part of the character described comprising a foraminous open end metal body adapted for insertion into the lower part of the garment; and clamps, each pivotally secured at one end thereof to said body, said clamps being swingable toward and from the body for securing the garment in place there against said clamps each comprising an elongated arm and a magnetic jaw of sufficient strength to prevent accidental displacement of the garment from beneath the same when the jaw is held thereagainst by the magnetic attraction established between the metal body and said jaw, said jaws being slidably mounted on respective arms for adjustment longitudinally therealong.

2,453,489
ULTRA HIGH FREQUENCY OSCILLATOR
Irwin M. Bruntil, Bridgeport, and Earl F. Reihman, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application August 12, 1944, Serial No. 549,262
5 Claims. (Cl. 250—36)

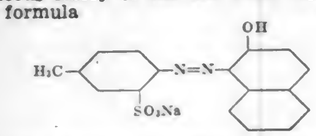
1. A high frequency wave generator including an electron discharge device having an anode, a cathode and a control electrode, a tank circuit including a transmission line formed of a pair of sheets of electrically conducting material disposed in parallel spaced relation, one end of one of said sheets being connected to said anode and one end of the other of said sheets being connected to said control electrode, said sheets having a width great relative to their length and being curved in a plane transverse to the direction of wave propagation, said length being meas-



ured in said direction from one of said ends of one of said sheets to the respectively opposite end thereof, the sheet connected to said control electrode surrounding and shielding the sheet connected to said anode.

2,453,490
PROCESS OF PRODUCING A BARIUM LAKE PIGMENT
Jack Beniah Callaway, Summit, and Donald Bernard Killian, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 23, 1946, Serial No. 671,910
2 Claims. (Cl. 260—197)

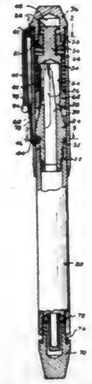
2. The process of producing an improved barium lake pigment, which comprises treating an aqueous slurry of the azo color represented by the formula



with sodium rosinate and barium chloride in the presence of a soluble metallic bicarbonate, alkalizing the mixture to a pH of at least 10, digesting the same at a temperature not less than 80° C., and eventually separating the color from the aqueous phase.

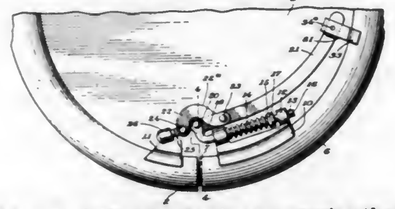
2,453,491
FOUNTAIN PEN
Carl J. Cardin, Downers Grove, Ill.
Application November 29, 1944, Serial No. 565,584
14 Claims. (Cl. 120—42.01)

1. The combination comprising a fountain pen barrel having an undercut annular groove, an external cap adapted to be fitted over the end of said pen and to extend beyond said groove, said cap being provided with an aperture in the proximity of said groove when said cap is fitted over said barrel, a sealing cap slidably mounted within said external cap for engagement with the end of said pen barrel, resilient means mounted within said cap for urging said sealing cap against the end of said barrel, a connecting member to unite said external cap and said sealing member comprising a shaft and headed portion, said shaft operably connected to said sealing cap with said headed portion positioned externally of said cap, and an elongated spring catch carried by said external cap and having an



end portion adapted to extend through said aperture for engagement with said groove.

2,453,492
BARREL CLOSING RING
Ben Carter, Granite City, Ill., assignor of one-half to Robert V. Warga, Rolla, Mo.
Application March 29, 1945, Serial No. 585,563
1 Claim. (Cl. 24—71)



A barrel closing ring having an opening therein, a bearing bracket mounted on the inner surface of the said ring spaced from the opening thereof, a swivel bracket also mounted on the inner surface of the said ring spaced from the opening thereof and positioned on the opposite side of the opening from that on which the bearing bracket is mounted, an L-shaped rod with one leg rotatably mounted in said bearing bracket, and the other leg extended inwardly toward the center of the ring, a pin rotatably mounted in the said swivel bracket and having a head limiting longitudinal movement thereof toward the opening of the ring, a hand lever positioned within said ring with an end thereof pivotally mounted on the end of the centrally extended leg of the L-shaped rod, and a U-shaped link pivotally attached to the pin in the swivel bracket at one end and with the other end pivotally attached to the said hand lever.

2,453,493
HALOGENATED HYDROCARBON COMPOSITION
Frank M. Clark and Edward L. Raab, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 18, 1945, Serial No. 600,214
6 Claims. (Cl. 252—63.7)

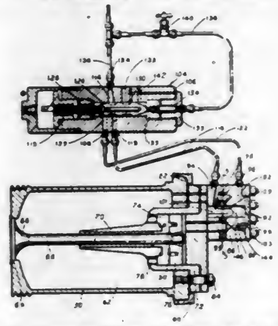
1. A liquid composition suitable for insulating and dielectric purposes consisting essentially of the combination of normally stable halogenated aromatic hydrocarbon compounds and a fixative for halogen decomposition products consisting of a polycyclic compound containing at least one heterocyclic ring and a plurality of hetero atoms at least one of which is nitrogen, said fixative constituting at least 0.1 to 10 per cent of said composition.

2,453,494
FLUORENONE DIELECTRIC COMPOSITION
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application August 12, 1947, Serial No. 768,276
3 Claims. (Cl. 252—65)

1. A composition which is suitable for the impregnation of paper-spaced capacitors consisting of the following ingredients in the approximate proportions indicated:

	Percent
Monochlor fluorenone	65–76
Dichlor fluorenone	20–21
Unchlorinated fluorenone	15– 3

2,453,495
STARTING SYSTEM FOR FREE PISTON UNITS
Kenneth C. Cooper, Portland, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 28, 1944, Serial No. 520,072
10 Claims. (Cl. 222—3)



1. In an accumulator device, a housing having a storage chamber and an outlet port for the chamber, a valve closing the port and movable to open position by pressure in the chamber acting on said valve, a piston and cylinder one of which is connected to said valve, inlet means for admitting fluid under pressure to said chamber, a connection from said chamber to the cylinder at one side of the piston for admitting pressure to the cylinder to hold the valve closed, and means for admitting fluid under pressure to the other end of said cylinder for causing the valve to open and for simultaneously closing said inlet means.

2,453,496
PROCESS OF CONVERTING NICOTINONITRILE INTO NICOTINAMIDE
James F. Couch and Charles F. Krewson, Glenside, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application October 19, 1943, Serial No. 506,873
1 Claim. (Cl. 260—295.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process of obtaining substantially pure nicotinamide from nicotinonitrile comprising: react-

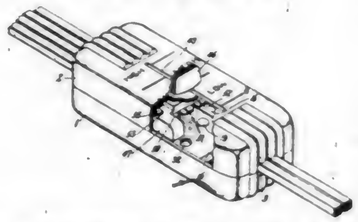
ing nicotinonitrile with hydrogen peroxide and sodium hydroxide dissolved in water in the proportions of about 3.5 moles of the hydrogen peroxide and about 0.30 moles of the sodium hydroxide to 1 mole of the nicotinonitrile, in the presence of about 5 ml. of alcohol to each gram of nicotinonitrile, chilling the reaction mixture until heat is no longer evolved to maintain a temperature not substantially in excess of 50° C., then maintaining the temperature at about 50° C. for about 6 hours, then neutralizing the reaction mixture with weak sulfuric acid, removing the alcohol and water from the neutralized mixture, extracting the residue with ethyl acetate, removing the ethyl acetate, and drying the residue to obtain the purified product.

2,453,497
HONDA
Harold V. Cross, Miles City, Mont.
Application November 24, 1947, Serial No. 787,661
3 Claims. (Cl. 24—233)



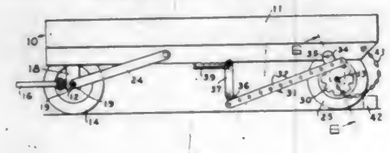
1. In a honda including a pair of coacting jaws adapted to abut each other, a channel-like insert attached to one of said jaws, the abutment of said jaws being covered by said insert.

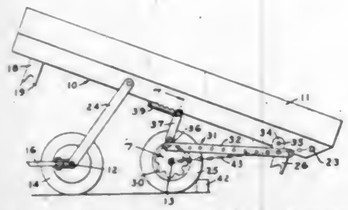
2,453,498
ELECTRIC SWITCH
George C. Crowley, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application April 15, 1947, Serial No. 741,560
1 Claim. (Cl. 200—16)



An electric switch of the through switch type comprising an elongated hollow housing having wire receiving openings at both ends and formed in two parts comprising a recessed base member and a cover member, a stationary contact mounting element comprising a flat insulating plate, means integral with said base member and extending upwards therefrom for removably supporting said plate spaced from the bottom of said base member, a plurality of rows of stationary contacts on the upper surface of said plate, said stationary contacts having integral conductive means extending through said plate and having terminal members on the lower surface of said plate adapted to receive all wire connections for circuits to be controlled by the switch, said cover member having a longitudinal slot formed therein, a movable contact carrier positioned beneath the cover and having means extending through said slot to the outside of the cover for the operation of the carrier, a movable contact on said carrier comprising a spring contact finger having a total width sufficient to span all of said rows of stationary contacts, said movable contact being mounted on said carrier in position to cooperate with said stationary contacts for selectively completing circuits between them, said carrier having smooth bottom surfaces adapted to slide on the upper surface of said plate, corrugated ridges extending inwardly from the surface of said cover member, spring tensioned ball bearings mounted in said carrier and positioned to bear against corrugations and thereby to press said movable contact against said stationary contacts, whereby said plate is held in position on its supporting means and there is provided a snap positioning action as said carrier is moved, the number of corrugations corresponding to the number of switch positions, and means holding said base and cover members together against the pressure of said movable contact and ball bearings.

2,453,499
VEHICLE CONSTRUCTION
Arthur Raymond Cunningham, Detroit, Mich.
Application December 23, 1946, Serial No. 718,003
15 Claims. (Cl. 298—20)



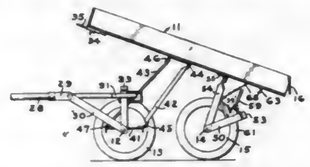


14. A vehicle comprising a body, first and second axles for supporting the body, connections between the body and axles releasable from the latter upon upward movement of the body relative to the axles, means for relatively moving the axles in directions toward each other, and means responsive to relative movement of the axles toward one another to raise the body off the axles and to swing the body about one of said axles.

2,453,500
VEHICLE CONSTRUCTION
Arthur Raymond Cunningham, Detroit, Mich., assignor to Ray Cunningham and Sons, Inc., Detroit, Mich., a corporation of Michigan
Application April 7, 1947, Serial No. 739,909
10 Claims. (Cl. 298—20)

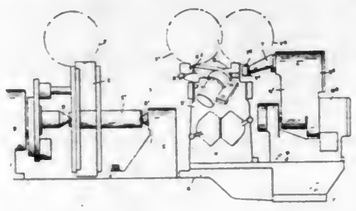
1. A vehicle comprising a body, an axle having ground engaging wheels thereon, a pair of arms having the lower ends supported on the axle for swinging movement about the axis of the axle, a member at the upper end of one arm removably engageable with the body to support the latter on the axle, means pivotally connecting the upper end of the second arm to the body in advance of

the member, a connection between the arms responsive to shifting movement of the body in one direction relative to the axle to swing the arms



about the axle and raise the body, and means responsive to continued shifting movement of the body in the above direction to swing the body about the axle.

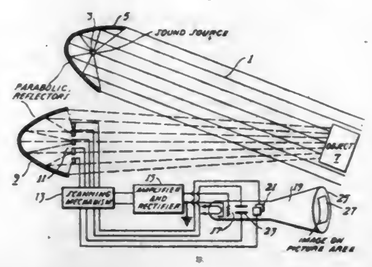
2,453,501
TRIMMING MECHANISM FOR GRINDER WHEELS
Robert W. Dickieson, Detroit, Mich., assignor to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application April 3, 1944, Serial No. 529,314
4 Claims. (Cl. 125—11)



1. A trimmer mechanism for grinder wheels comprising a rock shaft, a rock arm revoluble therewith, a shaft parallel to said rock shaft mounted at the outer end of said rock arm, a trimmer point mounted on the latter shaft at a predetermined distance from the axis thereof, a second rock arm independently revolubly mounted on said rock shaft, resilient yieldable means coupling said rock arms, a connection between said second rock arm and the shaft carrying said trimmer point whereby said shaft will be rotated by independent rocking movement of said second rock arm, a stop for limiting the angular movement of said first mentioned rock arm, a stop for limiting the movement of said second rock arm positioned to permit movement of the latter after arrest of movement of said first rock arm, whereby said trimming point will first trace a curve about the axis of said first mentioned shaft and will then trace a short radius curve tangent to the first curve about the axis of said second mentioned shaft.

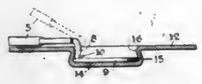
2,453,502
SOUND-TO-IMAGE TRANSDUCING SYSTEM
Glenn L. Dimmick, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application May 11, 1944, Serial No. 535,111
6 Claims. (Cl. 178—6.8)

1. Apparatus for ascertaining the structure of an object in water comprising a source of compressional waves in the sonic or ultrasonic range adapted to be immersed in water, means for projecting waves from said source upon said object whereby the intensity of said waves will be modified and said modified waves will be reflected in a pattern corresponding to the structure of said object, a mosaic adapted to be arranged in the path of said reflected waves and comprising a multiplicity of vibratile elements each capable of translating reflected waves which impinge thereon into an electrical wave corresponding to the



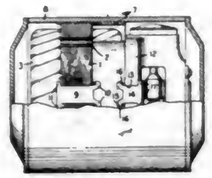
position and intensity of the compressional waves in said reflected wave pattern, means focussing said reflected pattern on said mosaic means for transmitting said electrical waves out of said water, and means responsive to the impress thereon of said discrete electrical waves for converting said electrical waves into an optical image corresponding to the intensity and relative position of the compressional waves in said reflected wave pattern.

2,453,503
METHOD OF ATTACHING TEAR STRIP WINDING KEYS TO RECEPTACLES
Clarence L. Emmons, Jersey City, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application February 21, 1944, Serial No. 523,286
3 Claims. (Cl. 29—148)



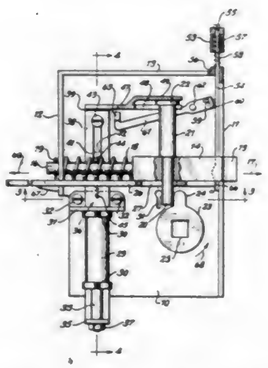
1. A method of temporarily securing a tear strip winding key having a main body including a slotted shank and a turning head and an angularly offset shank extension with a weakening groove thereacross and a circular mounting head extending from the shank extension in a plane paralleling the plane in which said main body lies to a can end having a wall defined circular recess centered therein which consists in bringing said can end and key together with the mounting head in the recess with the shank extension groove well down in the recess within the depth of the recess defining wall, and reshaping recess defining wall portions while maintaining the fixed position of the key by peripherally spreading the edges of said mounting head thereby to present wall portions in overhanging relation to the defining edges of the mounting head and effective to retain the same in the recess so that upon lifting of said main body portion it can be broken away at the weakened shank groove without pulling away said mounting head and without leaving any raw metal edges extended above the wall defined recess.

2,453,504
DYNAMOELECTRIC MACHINE AND SECURING DEVICE
Frank H. Fleischer, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 27, 1945, Serial No. 631,168
7 Claims. (Cl. 171—252)



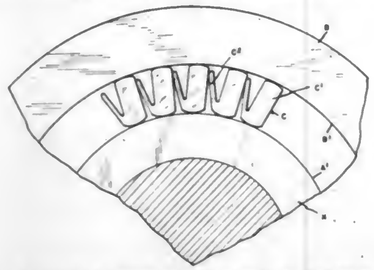
1. A dynamoelectric machine stationary member including a laminated core of magnetic material with a plurality of longitudinally extending grooves in the outer periphery thereof, a frame around said core having a supporting ring having a plurality of pairs of outwardly curved angularly extending openings in a side thereof adjacent said core corresponding to said plurality of grooves and arranged in engagement with one side of said core, and means including retaining devices arranged in said grooves and each having a bifurcated end mechanically anchored in said ring openings with transversely extending fingers at the other end thereof arranged in engagement with a surface of said core for retaining said core in said frame.

2,453,505
SAFETY DOOR LOCK
Lawrence J. Fornwald, Plymouth, Mich.
Application February 21, 1946, Serial No. 649,310
10 Claims. (Cl. 70—283)



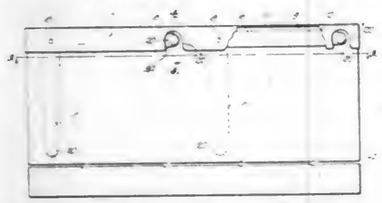
1. A safety door lock comprising in combination, a supporting plate, a spring pressed bolt slidable on said plate, an actuating pin extending transversely through said bolt, an externally operable element and an internally operable element engaging said pin, and solenoid actuated means for disengaging said pin from said elements.

2,453,506
SPRAG
Ivor J. Gruenberg, Pleasant Ridge, Mich., assignor to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application December 10, 1945, Serial No. 634,007
5 Claims. (Cl. 192—45.1)



1. A sprag having a body and an integral portion constituting a resilient finger for bearing against an adjacent sprag.

2,453,507
LOOSE-LEAF BINDER
Elmer E. Harper, deceased, late of Monrovia, Calif.; by Esther Pardee Harper executrix, Monrovia, Calif.
Application July 16, 1945, Serial No. 605,386
2 Claims. (Cl. 129—35)

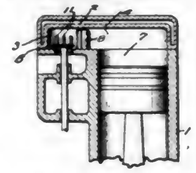


1. A loose leaf binder construction comprising, an elongated channel shaped holder providing a clamping space for the margins of loose leaf material, a curved spring element pivoted within said clamping space to one side of the holder and having swinging movement out of said space into a position at substantially right angles to the holder to permit insertion or removal of the loose leaf material and provide guiding means of curved contour for facilitating said insertion of the loose leaf material and also having swinging movement into said space to be compressed by the holder into pressure retaining engagement with said material after the insertion thereof.

2,453,508
VALVE COOLING MEANS FOR INTERNAL-COMBUSTION ENGINES
August F. W. Helmbold, Augusta, Ga.
Application January 17, 1946, Serial No. 641,792
1 Claim. (Cl. 123—177)

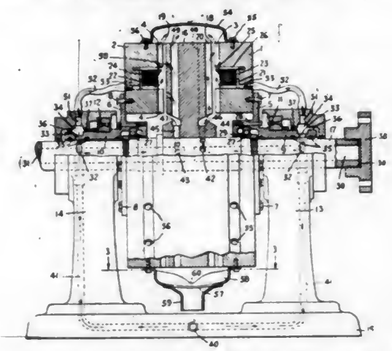
In an internal combustion engine embodying a valve chamber having a pair of intake and exhaust poppet valves therein for admitting gas into said chamber and exhausting the same therefrom, respectively, deflecting means in said chamber for causing the gas admitted by said intake valve to pass over said exhaust valve to cool the same, and cooling studs on said exhaust valve through and around which the deflected gas

may pass, said deflecting means comprising an elongated deflector baffle extending alongside said pair of valves and comprising a major portion



curving part way around the intake valve for collecting gas and terminating in an oppositely curved minor portion opposite the exhaust valve.

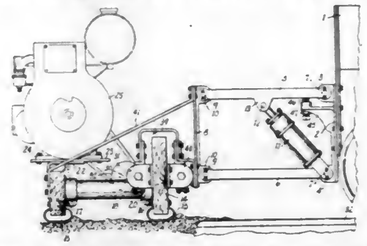
2,453,509
DYNAMOELECTRIC MACHINE
Adolph C. Hugin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 11, 1945, Serial No. 634,215
15 Claims. (Cl. 188—104)



1. A dynamoelectric machine including a stationary member having a pair of core members of magnetic material anad having radial faces, a rotatable member having radial faces arranged between said stationary core members with an air gap between said stationary member and the adjacent rotatable member radial faces, one of said members being formed with a plurality of outwardly extending teeth in the radial faces thereof, means for magnetically exciting said stationary and rotatable members, outwardly extending passages through said rotatable member communicating with said air gaps and with the spaces between said teeth, and means including a hollow perforated shaft for supplying cooling fluid to said rotatable member passages and into said air gap in contact with said radial faces of said stationary and rotatable members for cooling said members by direct contact therewith and by passage through said rotatable member passages.

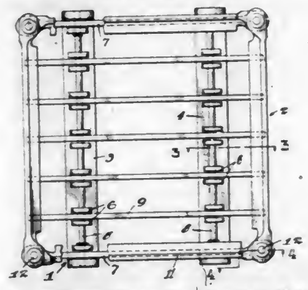
2,453,510
SCREEDING AND COMPACTING MACHINE FOR CONCRETE SLABS AND THE LIKE
Corwill Jackson, Ludington, Mich., assignor to Jackson Vibrators, Inc., Ludington, Mich., a corporation of Michigan
Application September 17, 1945, Serial No. 616,837
15 Claims. (Cl. 94—48)

1. In a machine for screeding and compacting concrete, the combination of a plank-shaped front vibratory screed member disposed vertically edgewise, a plank-like rear motor support and vibratory member disposed vertically edgewise in substantially rearwardly spaced relation to said front member, resilient non-extensible connections between said front and rear members whereby they coact to mutually support each other in upright position, an unbalanced rotor mounted on said front member, a motor mounted on the rear member and having a flexible driving connection to said rotor, said connections between said front and rear members constituting a vibration dampening means whereby the vibrations of the rear member are relatively slight as com-



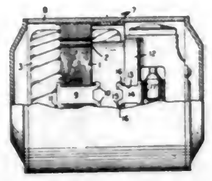
pared to the vibrations of the front member, a draw head, pairs of draft bars pivotally connected to said draw head for vertical swinging movement, crossheads for the rear ends of said pairs of draw bars, vibration absorbing means supportingly connecting said front vibratory screed member to said crossheads for raising and lowering said front vibratory member with said crossheads, a resilient brace connecting the upper ends of said crossheads to the rear member, means for raising and lowering the swinging ends of said draw bars, and adjustable stop means on said draw head for limiting the downward movement of said draft bars.

2,453,511
FURNACE TRAY BASKET
Harold F. Jackson, Springfield, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio
Application May 8, 1946, Serial No. 668,115
3 Claims. (Cl. 263—47)



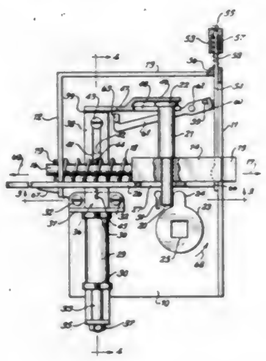
1. In a furnace tray bracket, a flexible tray forming the basket bottom and comprising runners and a plurality of transversely spaced cross bars, a pin rising from each end of each outer cross bar, a plurality of side bars built up in separable superimposed relation on the tray to form each side of the basket, each bar having a body portion of transversely inclined slat-form with its adjacent edges transversely offset to provide louver spaces for air circulation therebetween, and each bar having at each end of said

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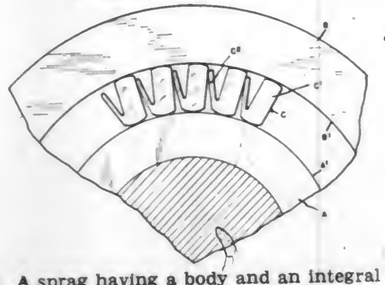
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Application February 21, 1946, Serial No. 649,310
10 Claims. (Cl. 70—283)



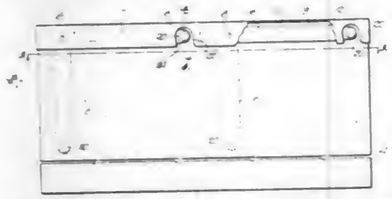
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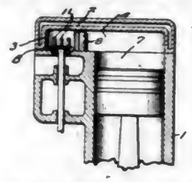


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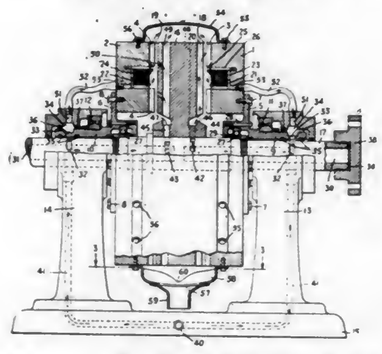
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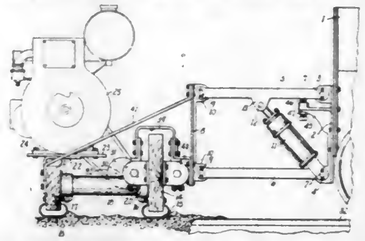
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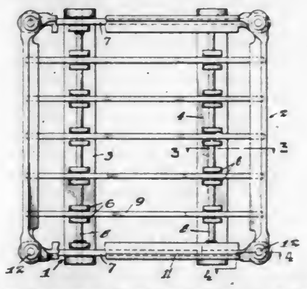
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SCREEDING AND COMPACTING MACHINE FOR CONCRETE SLABS AND THE LIKE
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1. In a machine for screeding and compacting concrete, the combination of a plank-shaped front vibratory screed member disposed vertically edgewise, a plank-like rear motor support and vibratory member disposed vertically edgewise in substantially rearwardly spaced relation to said front member, resilient non-extensible connections between said front and rear members whereby they coact to mutually support each other in upright position, an unbalanced rotor mounted on said front member, a motor mounted on the rear member and having a flexible driving connection to said rotor, said connections between said front and rear members constituting a vibration dampening means whereby the vibrations of the rear member are relatively slight as com-



pared to the vibrations of the front member, a draw head, pairs of draft bars pivotally connected to said draw head for vertical swinging movement, crossheads for the rear ends of said pairs of draw bars, vibration absorbing means supportingly connecting said front vibratory screed member to said crossheads for raising and lowering said front vibratory member with said crossheads, a resilient brace connecting the upper ends of said crossheads to the rear member, means for raising and lowering the swinging ends of said draw bars, and adjustable stop means on said draw head for limiting the downward movement of said draft bars.

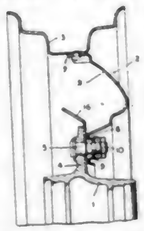
2,453,511
FURNACE TRAY BASKET
Harold F. Jackson, Springfield, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio
Application May 8, 1946, Serial No. 668,115
3 Claims. (Cl. 263—47)



1. In a furnace tray bracket, a flexible tray forming the basket bottom and comprising runners and a plurality of transversely spaced cross bars, a pin rising from each end of each outer cross bar, a plurality of side bars built up in separable superimposed relation on the tray to form each side of the basket, each bar having a body portion of transversely inclined slat-form with its adjacent edges transversely offset to provide louver spaces for air circulation therebetween, and each bar having at each end of said

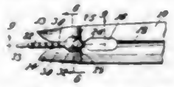
body portion a perforated lug for loosely receiving said pin, said lug being substantially half the depth of the body portion to alternate on a pin with the respective bar lugs of an adjacent side of the basket, and means cooperating with the pins to retain the tray and several side bars in loosely assembled relation.

2,453,512
VEHICLE WHEEL
Emil R. Jacobi, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application October 30, 1944, Serial No. 560,972
3 Claims. (Cl. 301—9)



1. A vehicle wheel comprising a wheel hub having an annular series of axially extending bolts, a wheel body having an annular series of bosses extending in an outboard direction with each boss provided with a hole registering with and receiving one of said bolts and also provided with faces diverging in an inboard direction, and nuts threaded on said bolts for securing said wheel body on said wheel hub, said nuts engaging and confining said faces.

2,453,513
CARRIER FOR KNITTING MACHINES
Martin Jauch, Irvington, N. J.
Application August 19, 1946, Serial No. 691,501
5 Claims. (Cl. 66—126)



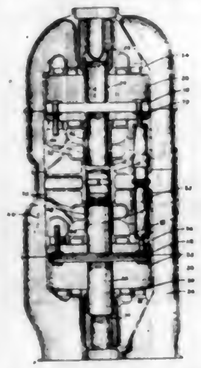
1. In a carrier for knitting machines, the combination of a carrier having means for attachment to a knitting machine, and having a guiding point portion, with an opening, and a thread guiding attachment including a cylindrical button member adapted to seat in the walls of said opening, a flexible tube secured at one end to said button member by a connection member, and a thread guiding nozzle secured to the other end of said flexible tube.

2,453,514
FLYING FUSELAGE
Ivan Jerome, Mineola, N. Y.
Application February 10, 1942, Serial No. 430,255
5 Claims. (Cl. 244—7)



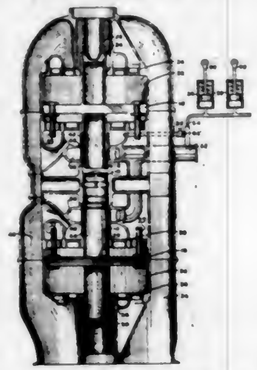
3. In a flying machine as set forth in claim 2, propelling means in said front section whereby a change of angle between said front and said fixed central section will have a lifting effect on the machine, and running gears at the two ends of said relatively fixed central section.

2,453,515
RESTRAINING MECHANISM FOR FREE-PISTON UNITS
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 6, 1944, Serial No. 562,249
6 Claims. (Cl. 74—57)



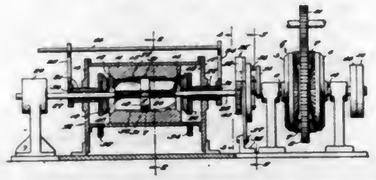
1. A free-piston unit having opposed pistons, in combination with a restraining mechanism for said pistons, including a pair of rods, one extending from each of the opposed pistons, a pair of rotary sleeves, one for each rod, said sleeves having interengaging means for rotation in unison and interengaging threads on the sleeves and the associated rods for turning the sleeves as the rods are reciprocated with the pistons.

2,453,516
ENGINE CONTROL FOR FREE-PISTON UNITS
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 6, 1944, Serial No. 562,251
4 Claims. (Cl. 230—56)



1. An engine-and-compressor unit including an engine having an exhaust duct, a compressor driven by the engine and providing air under pressure for scavenging the engine, pressure responsive control means connected to the exhaust duct and actuated by exhaust pressure, and a connection between said means and the exhaust duct, in combination with means for admitting scavenge air from said compressor to the connection between said means and the exhaust duct, including a restriction for limiting the quantity and pressure of scavenge air entering said connection.

2,453,517
VARIABLE-SPEED TRANSMISSION MECHANISM
Paulo Kemeny, Sao Paulo, Brazil
Application June 28, 1946, Serial No. 680,003
In Brazil July 10, 1945
2 Claims. (Cl. 74—293)



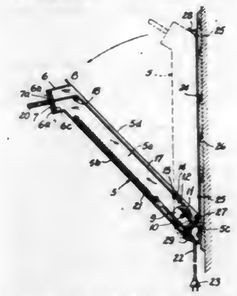
1. A variable speed transmission mechanism comprising, in combination, a planetary type differential gearing having two differential gears and a ring gear, power means for driving one of said gears, means to operatively connect another of said gears to machinery to be driven, and manually-controlled hydraulic means to regulate the speed of the remaining gear for gradually varying the speed of said machinery, said hydraulic means comprising a cylinder having a piston reciprocable therein, means affording circulation of fluid outside said cylinder from either end of the latter to the opposite end thereof, manually adjustable means for adjustably restricting the flow of fluid correspondingly and simultaneously into or out of the opposite ends of said cylinder, a screw shaft for actuating said piston, and mechanism operatively connecting said screw shaft with the associated gear of the differential gearing so as to convert continuous rotary motion of said gear in one direction to reciprocating rotary motion of said screw shaft.

2,453,518
HOLDER FOR ARTIFICIAL TEETH
James R. King, Florence, S. C., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application January 30, 1946, Serial No. 644,205
3 Claims. (Cl. 32—68)



1. A holder for the detachable reception of artificial teeth, comprising a relatively elongated handle, a substantially U-shaped tooth-mounting clip carried by one end of said handle, said clip including a pair of spaced legs joined by a connecting web, one of said legs being rigidly secured to said handle, the other of said legs being apertured to receive said handle and resiliently movable thereon and with respect to said rigid leg, a finger-engaging extension formed with said resiliently movable leg, and contractible and expansible means formed with said clip for resiliently engaging and retaining in connection therewith an artificial tooth, the operation of said means being controlled by the movement of said movable leg.

2,453,519
COMBINATION RAZORSTROP HOLDER AND HEATER
William V. Kommer, Catawissa, Mo.
Application January 23, 1946, Serial No. 642,822
4 Claims. (Cl. 219—19)

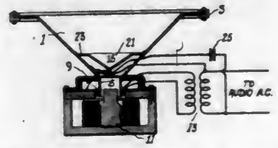


1. In a device of the kind described, an elongated base plate for affixing vertically to a support, an elongated case hingedly mounted at its lower end to the lower end of the base plate and arranged to close up vertically against the base plate and to swing angularly out therefrom, an angularly down-set nose portion extended from the outer end of the case, a disk rotatably mounted in the outer end of the nose portion, said disk having a straight razor strop slot formed therethrough, a roller journaled transversely within the outer end of the case immediately back of the said nose portion and adjacent the upper side of the case, a flexible razor strop retractively mounted within the case and passed out through the slotted disk thereof over the said roller, the said strop being so mounted that it may be turned and reversed within the case, simultaneously with the rotation of the said disk, when drawn fully out from the case.

2,453,520
ORGANIC TITANIUM COMPOUND AND METHOD OF MAKING SAME
Carl Martin Langkammerer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 28, 1946, Serial No. 700,158
3 Claims. (Cl. 260—429)

3. A water-soluble, organic titanium compound having the formula $CH_2OHCOOH.2Ti(OH)_4$, said compound being electrolyte-free and insoluble in organic solvents.

2,453,521
SUPERIMPOSED DUPLEX LOUD-SPEAKER
John F. Marquis, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1942, Serial No. 445,179
1 Claim. (Cl. 179—109)



A loudspeaker comprising a pair of conical diaphragms, a magnetic motor including a mov-

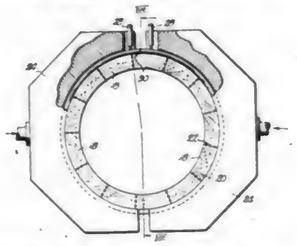
able element connected to a first one of said diaphragms for driving said first diaphragm, and a piezoelectric motor carried by said first diaphragm, the other of said diaphragms being connected to said piezoelectric motor and being adapted to be driven by said piezoelectric motor, said other diaphragm and said piezoelectric motor being nested within said first diaphragm, said other diaphragm having a mouth diameter which is smaller than that of said first diaphragm, and the mouth of said other diaphragm having a compliant connection with said first diaphragm.

2,453,522

METHOD OF PRODUCING WOOD PIPE

Leon T. Mart, Mission Township, Johnson County, Kans., assignor to The Marley Company, Inc., Kansas City, Kans., a corporation of Kansas

Application September 10, 1943, Serial No. 501,825
1 Claim. (Cl. 144—309)



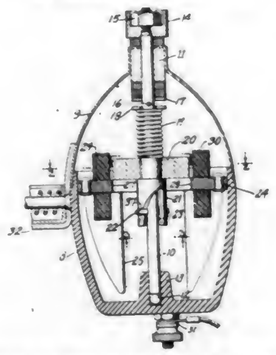
The method of producing wood pipe having a body comprising longitudinally disposed staves circumscribed by a plurality of bands, which method consists in introducing sealing material between the abutting edges of the staves; applying inward pressure to both the staves and the bands to deform the sealing material into the contours of the opposed faces of said staves; and welding together the ends of the bands to produce a solid continuous member of each while said pressure is maintained.

2,453,523

BICYCLE GENERATOR REGULATED BY ROTOR TORQUE VARIATIONS

Delbert McCullough, Fairfield, Ill., assignor to Chefford Master Manufacturing Co. Inc., a corporation of Illinois

Application March 24, 1947, Serial No. 736,774
6 Claims. (Cl. 171—209)



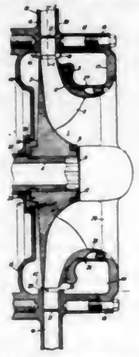
1. A bicycle generator comprising a shaft, a rotor slidably and rotatably mounted on the shaft, stationary field windings associated with the rotor, a member fixed to the rotor, a part fixed to the shaft, said member having a surface inclined to the axial direction of the shaft and engageable by said part, a spring axially forcing said member against said part and urging the rotor toward the windings, said spring being fixed near one end to the shaft and having its other end mounted in fixed relation to the rotor for torsionally urging said part in a direction away from said inclined surface, the torque required to rotate the rotor faster than a predetermined rate producing, against the torsional urge of the spring means, sufficient pressure between said inclined surface and said part to induce, against the axial force of the spring means, the rotor to slide along the shaft away from said windings.

2,453,524

CENTRIFUGAL COMPRESSOR

Kenton D. McMahan, Scotia, and Neil P. Bailey, Troy, N. Y., assignors to General Electric Company, a corporation of New York

Application March 31, 1945, Serial No. 585,906
8 Claims. (Cl. 230—127)



1. In a centrifugal compressor, the combination of an impeller having a web defining one side of the impeller passages, a shroud defining the opposite side of the impeller passages, both web and shroud having substantially parallel outer circumferential edge portions, a diffuser surrounding the impeller having at least one expanding diffusing passage and an inner circumferential edge portion arranged to form a close clearance with one of said outer circumferential edge portions, a casing surrounding the impeller and defining an annular surge chamber adjacent the clearance space between impeller exit and diffuser inlet, the inner circumferential edge portion of the diffuser being shaped to define a pressure relief passage communicating between the surge chamber and the clearance space between impeller and diffuser at the high pressure side of the diffusing passage inlet.

2,453,525

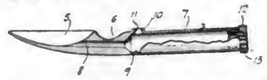
MEDICINE ADMINISTERING SPOON

Albert George McNeill, Philadelphia, Pa., assignor to Bachmann Bros., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application September 22, 1945, Serial No. 617,971
7 Claims. (Cl. 30—125)

1. A medicine administering spoon comprising a bowl, a handle having a medicine chamber therein, a conduit communicating between the interior of said bowl and said medicine chamber,

the upper portion of said handle being formed with a vent opening, said vent opening being in the form of a boss of sufficient length to arrest



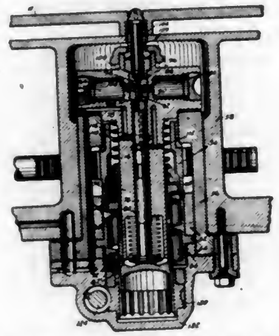
enough air to maintain a bubble of air in the vent opening which will serve to prevent the medicine from contacting the finger of the user placed over said vent opening.

2,453,526

TIMING OF FUEL INJECTION SYSTEMS

Donald E. Meitzler, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application July 23, 1943, Serial No. 495,929
6 Claims. (Cl. 103—154)



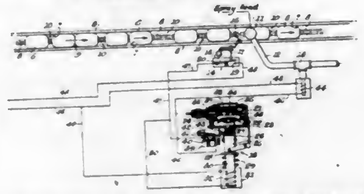
1. Fuel injection apparatus for a free-piston engine-and-compressor unit having opposed pistons and a restraining linkage connecting said pistons including an oscillating pinion, said apparatus including an injection plunger, a cylinder in which said plunger reciprocates, said plunger and cylinder having cooperating injection control means dependent upon the longitudinal position of the plunger in the cylinder, means including a helix and follower connecting said pinion and plunger for reciprocating the plunger in response to oscillation of the pinion, and means for adjusting the longitudinal position of the plunger with respect to said connecting means to shift the plunger stroke longitudinally within the cylinder.

2,453,527

LARD SPRAY CONTROLLING MEANS

Ralph M. Mero, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application August 21, 1945, Serial No. 611,847
7 Claims. (Cl. 91—44)



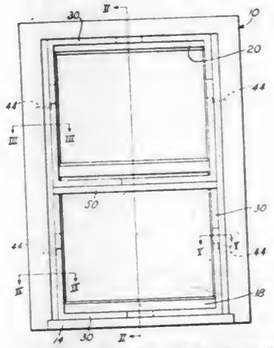
1. The combination of means for feeding cans in processional order, means for spraying a fluid substance into said cans, a solenoid valve for controlling the spraying means, a solenoid controlling circuit and a control switch connected in said circuit and disposed to be actuated by can contact for causing the valve to open and stay open while a can is passing the spraying means, and a timing relay unit connected in said circuit and normally operable to maintain the valve open, subject to said control switch, and operable in the event that the machine stops with a can in contact with said control switch to break said circuit and prevent continuous spraying into the can stationary opposite said spraying means.

2,453,528

STORM WINDOW AND SCREEN COMBINATION

Gerald Merryweather, Cuyahoga Falls, Ohio

Application October 27, 1943, Serial No. 507,796
6 Claims. (Cl. 20—55)



4. In combination with a window-frame structure having vertical side members which present toward each other, as their nearest faces, parallel plane surfaces which are continuous substantially throughout the height of the window, a window assembly comprising a pair of half-frame structures each of channel shape in cross-section for receiving a side margin and parts of the top and bottom margins of a single light-admitting panel, said structures having telescopic connection with each other at their tops and at their bottoms, and means at a substantial distance from their tops and from their bottoms for hinging them on a horizontal axis in embraced relation to the said plane surfaces of the said side members, so that the said side members constitute means for holding them in position on the said panel, the said half-frame structures lying wholly between the planes of the aforesaid plane surfaces.

2,453,529

METHOD OF HIGH-FREQUENCY HEATING

Eugene Mittelmann, Chicago, Ill.

Application July 19, 1943, Serial No. 495,273
3 Claims. (Cl. 219—13)

1. The method of heat treating an object the electrical characteristics of which vary with the absorption of energy by the object, which method comprises coupling the object to be heated with reactive heating means to which high frequency energy is supplied from an electronic high frequency generator having coupled plate and grid circuits between which energy is transferred to maintain oscillations, so that the equivalent impedance of the load across the points of coupling to the generator is substantially equal to the internal impedance of the generator between the same terminals, varying the coupling of the heat-

ing means to the generator in definite relation to variations in the electrical characteristics of the object, and varying the feed-back between the

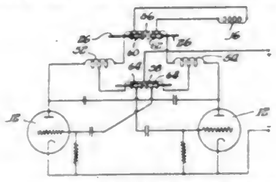


plate and grid circuits of the generator in definite relation to the variation in the electrical characteristics of the object to maintain the generator in a steady state of oscillation.

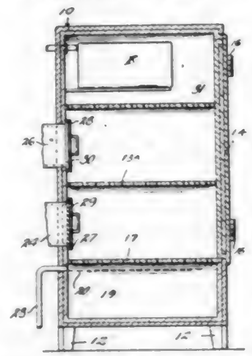
2,453,530

FOOD PRESERVING APPARATUS

Homer L. Moore, Chamblee, Ga.

Application August 30, 1944, Serial No. 551,976

2 Claims. (Cl. 98—51)



1. Preserving apparatus of the class described comprising a cabinet, said cabinet having a food compartment, a water reservoir in the bottom of the cabinet open to the food compartment, a draft pipe, a vent pipe above the draft pipe, said draft pipe and vent pipe communicating with the interior of the food compartment and the outside air, said draft pipe being disposed above and adjacent the reservoir, and refrigerating means within the cabinet above the food compartment to produce a lower temperature within the food compartment than that of said water reservoir.

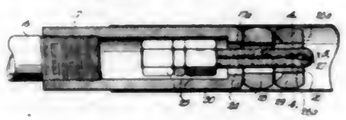
2,453,531

INTERNAL MANDREL

Harold C. Myers, Kansas City, Mo., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri

Application April 27, 1945, Serial No. 590,626

2 Claims. (Cl. 153—63)



1. In an internal mandrel for use in bending pipe and tubing, a tubular body, arbor members, a flexible connection between the arbor members and body including a doubled stranded member having its free ends anchored within the tubular body, an apertured plug secured on said stranded member and one of said arbor members adjustably mounted on said plug.

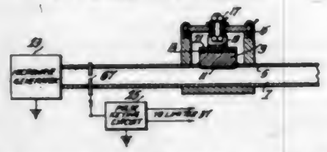
2,453,532

ELECTROSTATIC MICROWAVE ENERGY MEASURING APPARATUS

Lowell E. Norton, Princeton Junction, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 11, 1945, Serial No. 598,739

14 Claims. (Cl. 171—95)



1. The method of utilizing a movable element for measuring microwave energy comprising the steps of subjecting said element to the field of said microwave energy to provide mechanical displacement thereof substantially only in response to electrostatic field stresses induced in said element by said field, employing said mechanical displacement of said element to control electrical energy, and measuring said controlled electrical energy.

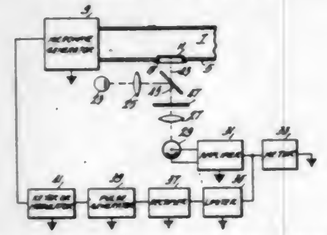
2,453,533

ELECTROSTATIC MICROWAVE ENERGY MEASURING APPARATUS

Lowell E. Norton, Princeton Junction, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 11, 1945, Serial No. 598,741

9 Claims. (Cl. 171—95)



1. The method of detecting microwave energy comprising the steps of utilizing said microwave energy to establish a microwave field having an electric field component, converting said electric field energy to kinetic energy, utilizing said kinetic energy to control light energy, detecting said controlled light energy, and converting said detected controlled light energy to electrical energy characteristic of the magnitude of said microwave energy.

2,453,534

PROCESS FOR ISOLATION OF GRAMICIDIN

Harold S. Olcott and Heinz L. Fraenkel-Conrat, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application September 21, 1945, Serial No. 617,913

5 Claims. (Cl. 260—236.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. The method of separating gramicidin from tyrocidine as they are found in tyrothricin, comprising dissolving the tyrothricin in 95 to 100% ethanol, adding to the solution phosphotungstic acid to precipitate the tyrocidine, removing the precipitate from the solution, diluting the mother liquor with water and adding salt to coagulate the gramicidin, subjecting the precipitate to washing with a dilute solution of ammonium carbonate to remove phosphotungstate and washing and drying the precipitate.

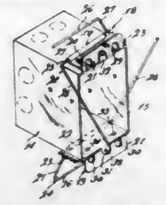
2,453,535

MOUNTING ATTACHMENT FOR ELECTRICAL OUTLET BOXES

Charles W. Pallas, Elyria, Ohio

Application December 27, 1946, Serial No. 718,659

3 Claims. (Cl. 248—205)



1. A clamping attachment for use with an electrical outlet box comprising a pair of corresponding units each including a base having means for detachably and adjustably securing it to the outer side of a wall of an outlet box, adjacent the open end of said box, each base being provided with an outturned flange adapted to engage the front side of a wall, adjacent an opening in which the box is adapted to be detachably mounted, each unit including a lever arm having an angularly disposed portion journaled in a portion of the base and a wall engaging portion disposed to be moved into engagement with the back side of the wall when the lever arm is swung in one direction and a toothed locking strip associated with each of the base portions of said units, each of the locking strips being detachably and adjustably engaged by the lever arm of the other unit for releasably retaining the wall engaging portion thereof in engagement with the wall and on the opposite side thereof to said flanges, the locking strip of each unit constituting an integral extension of one end of the base portion of said unit.

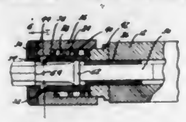
2,453,536

CHISEL RETAINER FOR PNEUMATIC HAMMERS

William H. Peck, Royal Oak, Mich.

Application June 26, 1947, Serial No. 757,177

2 Claims. (Cl. 279—19.5)



1. A releasable holding means for a shanked tool at the end of the barrel of a pneumatic hammer comprising a tubular member constructed and arranged for press fit insertion into the open end of the hammer barrel and to slidingly receive the shank of a tool therein; a ball cage having a diameter greater than the diameter of said tubular member having a plurality of circumferentially spaced apertures through the wall thereof, balls in the apertures of said ball cage, an axially slidable and rotatable sleeve having circumferentially spaced recesses in its inner periphery over said ball cage, an outwardly extending flange at the outer end of said ball cage for limiting the outward axial movement of said sleeve, and a retaining ring press fitted on said tubular member for limiting the inward axial movement of said sleeve.

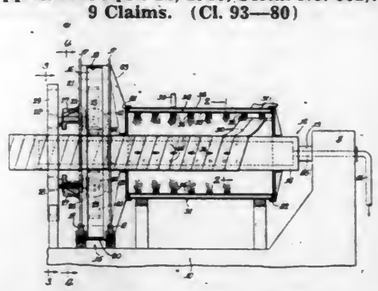
2,453,537

TUBE-FORMING MACHINE

Edwin R. Phillips, Evanston, Ill., assignor to Morton Salt Company, Chicago, Ill., a corporation of Illinois

Application April 12, 1946, Serial No. 661,776

9 Claims. (Cl. 93—80)



2. In a paper-tube-forming machine, a rotatable mandrel upon which strips of paper are wound to form the tube, means for rotating said mandrel and for continuously stripping from said mandrel off of a free end thereof the formed tube, a plurality of rows of nozzles extending longitudinally of said mandrel in spaced relation thereto and directed radially inwardly against said mandrel, and means for supplying fluid under pressure to said nozzles.

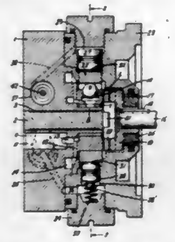
2,453,538

CONSTANT PRESSURE PUMP

William T. Rauch, Voorheesville, N. Y., assignor to General Electric Company, a corporation of New York

Application October 4, 1947, Serial No. 778,010

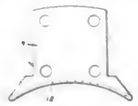
11 Claims. (Cl. 103—161)



4. In combination, a pump casing provided with fluid conduit means for admitting and discharging fluid, a radial piston pump rotatable in said casing, a stroking ring for varying the stroke of said pump between full stroke and low stroke positions, biasing means for maintaining said pump ring initially in said full stroke position, said biasing means comprising a piston adapted to reciprocate in a cylinder in said casing and to move said ring in response to fluid pressure in said cylinder, and fluid conduit means interconnecting said cylinder and the fluid discharge con-

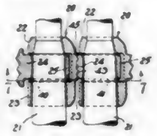
duit of said pump whereby the pressure in said discharge conduit biases said ring to full stroke position, and counterbiasing means for moving said ring toward said low stroke position, said counterbiasing means comprising second piston means adapted to reciprocate in another cylinder in said casing and to move said ring in response to fluid pressure in said other cylinder, means including a valve for selectively interconnecting said cylinder with either said fluid discharge conduit or the fluid inlet conduit of said pump, valve biasing means for positioning said valve to connect said other cylinder and said inlet conduit initially, and means for then operating said valve in opposition to said biasing means in response to the pressure in said fluid outlet conduit whereby said second piston moves said stroking ring toward low stroke position to hold the pressure differential between said outlet conduit means and said inlet conduit means constant.

2,453,539
DYNAMOELECTRIC MACHINE CORE SURFACE TREATMENT
Robert T. Reardon, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 6, 1944, Serial No. 562,120
10 Claims. (Cl. 171—252)



5. A dynamoelectric machine having a member with a core of magnetic material having magnetically open slots therein, a second relatively rotatable member with a core of magnetic material having a surface thereof arranged adjacent said first-mentioned core with an air gap therebetween, said cores having a case impregnation of the adjacent surfaces thereof of 6 to 20% silicon to a depth of between 0.001 to 0.06 inch and having properties characteristic of such material, said cores being annealed at between 650° C. and 1300° C. in a non-oxidizing atmosphere subsequent to said case impregnation providing diffusion of the silicon in said cores whereby the magnetic reluctance is reduced improving permeability and reducing hysteresis losses.

2,453,540
CARTRIDGE BELT
James S. Reid, Cleveland Heights, Ohio, assignor to The Standard Products Company, Detroit, Mich., a corporation of Ohio
Application October 19, 1942, Serial No. 462,571
3 Claims. (Cl. 89—35)



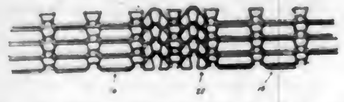
1. A cartridge belt, comprising a plurality of links, each having two oppositely extending loops, the adjacent loops of adjacent links being in axial alignment, a cartridge in each pair of axially aligned link loops, the cartridges constituting hinge pintles for the flexible connection of the links, and resilient retaining elements carried by alternate links for the releasable retention of the cartridges in the axially aligned link loops, each such retaining element having two oppositely extending cartridge-receiving ring-like parts in axial alignment with the two oppositely extending loops of the link by which such element is carried.

2,453,541
MATRIX RETAINER
David Reiter, Woodside, Long Island, N. Y.
Application July 11, 1946, Serial No. 682,897
5 Claims. (Cl. 32—63)



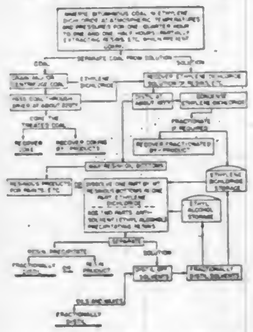
1. In a dental matrix retainer, the combination of, a frame member having a central guideway, power means pivotally mounted on said frame member and having a portion extending into said guideway, a block arranged in said guideway and movable longitudinally thereof by said power means, a post pivoted to said block at each side thereof, a slot in each post, a matrix band having ends thereof extending through said post slots and means carried by said posts for fixing said matrix band to said posts.

2,453,542
KNIT FABRIC WITH GATHERS THEREIN
Bernard Sapin, New York, N. Y.
Application January 28, 1948, Serial No. 4,786
10 Claims. (Cl. 66—200)



1. Knit material comprising a half cardigan knit fabric having a section in which all the half cardigan knit stitches of a plurality of wales are dropped, said section being disposed between laterally spaced groups of wales of the original half cardigan knit stitches of said fabric, the yarn released by said dropped stitches forming gathers in said section.

2,453,543
PROCESS OF TREATING BITUMINOUS COAL
Ernest J. Schabelitz, Rincon, Calif.
Application April 9, 1948, Serial No. 20,089
8 Claims. (Cl. 260—107)

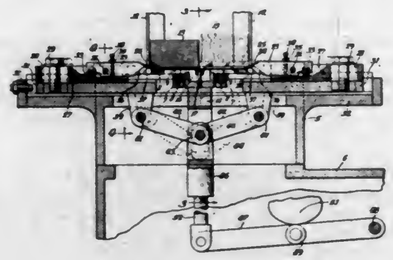


1. A process comprising: leaching bituminous poorly cokable coal of the type containing resinous and other soluble constituents which render the coal poorly cokable, the leaching being performed by immersing the coal in ethylene dichloride under atmospheric temperature and pressure ranges for a brief period of time between about one-quarter of an hour and one and one-half hours to remove from the coal resinous and other ethylene-dichloride-soluble materials to yield a coal having good coking properties; separating the treated coal from the ethylene dichloride solution to recover the resultant cokable coal; and recovering from the solution the resinous and other constituents of the coal dissolved therein.

2,453,544
PROCESS FOR PREPARING AND COKING BITUMINOUS COAL
Ernest J. Schabelitz, Rincon, Calif.
No Drawing. Application April 9, 1948, Serial No. 20,090
10 Claims. (Cl. 202—25)

1. A process comprising: leaching bituminous poorly cokable coal of the type containing resinous and other soluble constituents which render the coal poorly cokable, the leaching being performed by immersing the coal in ethylene dichloride under atmospheric temperatures and pressures for a brief period of time between about one-quarter of an hour and one and one-half hours to remove from the coal resinous and other ethylene-dichloride-soluble materials to yield a coal having good coking properties; separating the ethylene dichloride solution from the treated coal; and recovering the resultant coal.

2,453,545
CAN END FEEDING MECHANISM
Justin Simpson, Elmhurst, Ill., assignor to Cameron Can Machinery Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1945, Serial No. 572,663
6 Claims. (Cl. 113—114)



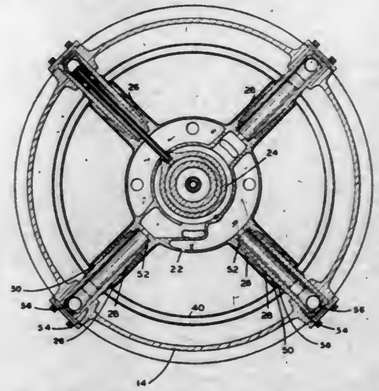
2. In a can end feeding mechanism, the combination of a can end magazine including stationary base plates upon which the lowermost end in the magazine rests, a pair of horizontally reciprocable separators movable transversely of the magazine, a magnet vertically movable beneath the magazine, and means for moving said separators and said magnet in timed relation, including a vertically reciprocable operating member, a link connection between said member and the separators and a lost motion connection between said member and the magnet, whereby the magnet is withdrawn downwardly away from the magazine subsequently to the separating action of the separators.

2,453,546
CIRCUIT BREAKER
Ezra S. Smith, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application October 30, 1944, Serial No. 560,929
4 Claims. (Cl. 200—116)



1. A circuit breaker comprising separable contacts, a tripping mechanism for said contacts including a thermostatic element, manually operable means having a lost-motion connection with said tripping mechanism for reclosing said contacts after separation thereof and cooling of said thermostatic element, and a shunt switch adapted to be closed by said manually operable means upon taking up said lost motion for shunting said separable contacts and closing the circuit, the movable contact element of said switch comprising a fuse, thereby providing for insertion of a fuse into the circuit only upon shunting operation, control of said circuit being restorable to said separable contacts and tripping mechanism upon opening of said switch whether or not the fuse has blown during the shunting operation.

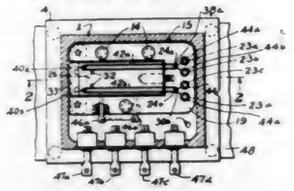
2,453,547
TURBINE CONSTRUCTION
Carl R. Soderberg, Weston, Mass., and John A. Clark, Glastonbury, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a a corporation of Delaware
Application January 28, 1944, Serial No. 520,067
5 Claims. (Cl. 253—39)



5. A turbine including a housing, a casing within the housing and defining a path for power fluid spaced from said housing, a rotor within the hous-

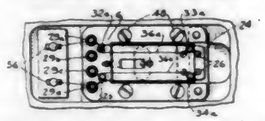
ing, a bearing mounting within the housing for said rotor, said mounting being located in the fluid path, said mounting having a number of legs and pins slidable in said housing and engaging said legs for supporting the mounting.

2,453,548
ACCELEROMETER WITH ELECTRIC STRAIN WIRES
Louis D. Statham, Beverly Hills, Calif., assignor to Statham Laboratories, Inc., Los Angeles, Calif., a corporation of California
Application July 14, 1947, Serial No. 760,775
10 Claims. (Cl. 201—63)



10. A strain wire accelerometer, comprising a frame having opposite faces, an inertial mass having opposite faces complementary to the faces of said frame, a flat spring mounted on said frame and upon one end of said inertial mass, the other end of said mass being free, pins mounted on each of the opposite faces of said mass and positioned on said mass adjacent the axis of bending of said spring, pins mounted on the opposite faces of said frame adjacent the free end of said mass, strain wires mechanically mounted on and extending between the pins on the complementary faces of said frame and mass and substantially parallel to the said faces and substantially perpendicular to the axis of bending of said spring.

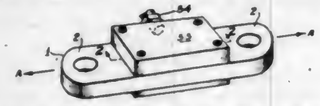
2,453,549
ELECTRIC STRAIN GAUGE
Louis D. Statham, Beverly Hills, Calif., assignor to Statham Laboratories, Inc., Los Angeles, Calif., a corporation of California
Application July 14, 1947, Serial No. 760,772
10 Claims. (Cl. 201—63)



1. A dynamometer for a strain wire gauge, comprising a frame, a cantilevered armature, a hinge mounting for said armature connected to said frame and one end of said armature, the other end of said armature being free, a strain wire support mounted on said frame and spaced from said hinge, another strain wire support mounted on said armature substantially at said hinge, a strain wire mechanically connected to each of said supports and insulated from said frame and said armature, and an electrical connection at the ends of said strain wire.

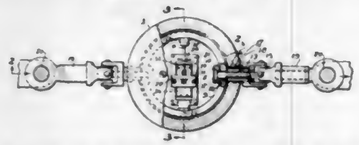
2,453,550
BAR TYPE-HIGH RANGE GAUGE
Louis D. Statham, Beverly Hills, Calif., assignor to Statham Laboratories, Inc., Los Angeles, Calif., a corporation of California
Application July 14, 1947, Serial No. 760,771
2 Claims. (Cl. 201—63)

1. A draw bar electrical strain gauge dynamometer, comprising a bar, an opening in said bar intermediate the ends of said bar, a frame mounted intermediate the ends of said opening, an armature reciprocably mounted in said frame, a rod connecting said armature and one end of said opening, an electrical strain wire support



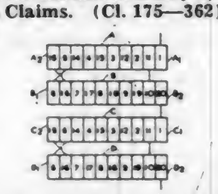
mounted on said frame, an electrical strain wire support mounted on said armature, and an electrical resistance strain wire mechanically mounted on said support and insulated therefrom and extending parallel to said rod.

2,453,551
RING TYPE RESISTANCE STRAIN GAUGE DYNAMOMETER
Louis D. Statham, Beverly Hills, Calif., assignor to Statham Laboratories, Inc., Los Angeles, Calif., a corporation of California
Application July 31, 1947, Serial No. 765,010
5 Claims. (Cl. 201—63)



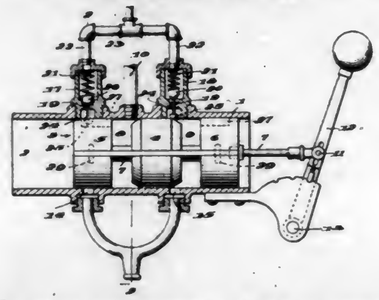
5. A ring type electrical resistance wire dynamometer, a metallic ring, a pair of diametrically disposed bores in the wall of said ring, pull heads mounted in said bores, said pull heads including a shank passing through said bores, a universal joint on said shank, the axis of said shank being positioned upon a diameter of said ring, a frame mounted on said ring, an armature reciprocably mounted in said frame, a rod connected to said armature and said ring, the axis of said rod being at an angle substantially different from 45° to said diameter, a plurality of coils of electrical strain wires, supports upon said armature and said frame for said coils, the wires of said coils being insulated from said supports and extending in a direction substantially parallel to the axis of said rod, and electrical terminals connected to said coils.

2,453,552
TRANSFORMER WINDING
George Fletcher Stearn, Stafford, England, assignor to The English Electric Company Limited, London, England, a British company
Application January 2, 1946, Serial No. 638,660
In Great Britain January 4, 1945
6 Claims. (Cl. 175—362)



1. An inductive winding having a portion at its high potential end arranged in a pair of annular sections spaced apart along a common axis and having cross-connections between them, one of the sections containing at least one conductor which consists of a plurality of turns spiralling inwards and the other of the sections containing at least one conductor which consists of a plurality of turns spiralling outwards, characterized in that there is a conductive path from a starting turn near the outside edge of one section to a finishing turn near the outside edge of the other section, this conductive path comprising, in the order named, from the starting turn an inward spiral in one section, an inner cross-connection, an outward spiral in the other section, an outer cross-connection, a second inward spiral in the first-named section, a second inner cross-connection, and a second outward spiral in the second-named section to the finishing turn, and further characterized in that there is a capacitive by-path from said starting turn to said finishing turn comprising in the order named, the capacitive coupling between the starting turn and the first turn of the second inward spiral, said outer cross-connection, and the capacitive coupling between the last turn of the first outward spiral and the finishing turn.

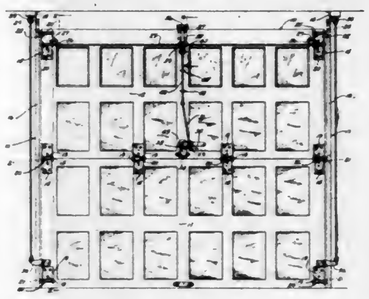
2,453,553
MEASURING VALVE MECHANISM
Leslie R. Tansley, Columbus, Ohio
Application July 28, 1944, Serial No. 547,067
7 Claims. (Cl. 225—26)



1. A valve for dispensing fluids in measured quantities, comprising a casing having an open ended valve chamber, an inlet for admitting fluid into said chamber, a movable valve member mounted in said chamber, said valve member being formed with outer and intermediate heads, the intermediate head being spaced from the outer heads to provide a pair of annular grooves, manually operated means disposed exteriorly of said casing for imparting sliding movement to said valve member, and a pair of spaced fluid outlets provided in said casing, said outlets being arranged on opposite sides of said inlet, the relative spacing of said inlet, outlets and grooves being such that when one of said grooves is in registration with said inlet to cause a filling thereof with a fluid undergoing measured dispensing, the other of said grooves occupies a position of registration with one of said outlets, and, when the valve member is moved to bring the fluid-filled groove into registration with the other of said outlets, the second groove will occupy a position in registration with said inlet means and out of registration with either of said outlets.

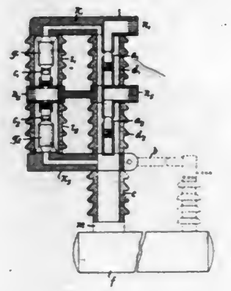
2,453,554
OVERHEAD DOOR GUIDING AND LATCHING MECHANISM
John Thomas, Milwaukee, Wis.
Application May 11, 1945, Serial No. 593,136
11 Claims. (Cl. 160—201)

1. An overhead door, comprising a pair of superimposed, hingedly connected sections, tracks mounted adjacent both side edges of the door to guide the door from a vertical to a horizontal position, guide rollers carried by the lower section of the door, independent bearing units hingedly mounted upon the upper corner portions of the top section of the door and carrying on



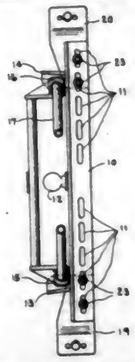
their free ends rollers to engage said tracks, and means engaging said bearing units and extending to a position on the door remote therefrom for manually controlling relative rocking movement between the top section of the door and said bearing units.

2,453,555
GAS BLAST CIRCUIT BREAKER
Hans Thommen, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application March 12, 1945, Serial No. 582,255
In Switzerland September 11, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 11, 1963
10 Claims. (Cl. 200—148)



1. In a circuit breaker, a plurality of normally closed sets of main contacts connected in series circuit relation and operable to open by the application of pressure gas thereto, a plurality of impedances in parallel circuit relation across said sets of main contacts to carry the current upon opening of the main contacts and for controlling the voltage distribution over said main contacts on opening thereof, said impedances having a relatively low magnitude to thereby draw a relatively high order of control current, and pressure gas operated switch means individual to each impedance connecting the same in series circuit relation and adapted to interrupt the flow of current therethrough.

2,453,556
ADJUSTABLE DRAWBAR AND ADJUSTABLE MOUNTING THEREFOR
Ethan W. Vars, Duncannon, Pa., assignor, by mesne assignments, to George Harold Bell & Associates, York, Pa., a partnership
Application August 29, 1946, Serial No. 693,717
11 Claims. (Cl. 280—33.14)



1. A drawbar and mounting therefor adapted to be transversely attached to the rear horizontal bumper of a tractor vehicle and selectively adjustable horizontally and vertically with respect to the bumper so that a hitch means on the drawbar may be centered with the longitudinal center line of the tractor vehicle and at a selected height above road level, including, in combination, a drawbar having a centrally located hitch means and a series of horizontally disposed slots spaced on either side of the hitch means; and a mounting plate for each series of slots, each plate having a plurality of holes by which a plate may be selectively attached to the drawbar, and said plates each having at right angles to the holes a second row of holes by which the plate may be attached to the bumper, whereby the hitch means may be centrally located with respect to the longitudinal center line of the tractor vehicle at a selected height above the road.

2,453,557
PROCESS OF PREPARING A DISPERSION OF CARBON BLACK
Andries Voet, New York, N. Y., assignor to J. M. Huber, Incorporated, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 28, 1945, Serial No. 631,485
8 Claims. (Cl. 106—32)

1. The process of preparing a dispersion of carbon black in an organic substance which comprises mixing compacted carbon black with an organic substance which is liquid at 70° F., boils at a temperature substantially above 140° F. and wets carbon black, and grinding the mixture in a mill of the ball mill type at a temperature of from about 140° F. to about 200° F. but below the boiling point of the organic liquid.

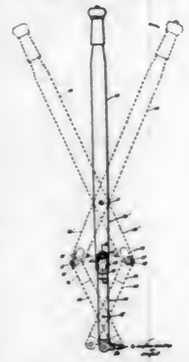
2,453,558
PRINTING INK
Andries Voet, New York, N. Y., assignor to J. M. Huber, Incorporated, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 28, 1945, Serial No. 631,486
10 Claims. (Cl. 106—32)

1. An ink consisting essentially of a pigment, a mineral oil vehicle, and from about 2% to about 20% by weight based on the oil of a petroleum polymer which is fluid at room temperatures, has a viscosity of from about 200 seconds to about 250 seconds Saybolt at 210° F. and is obtained by solvent extraction of solid adsorbents used in the refining of a petroleum hydrocarbon which is a member of the group consisting of petrolatums, greases and amorphous waxes.

2,453,559
POLYLACTYLIC ACID RESINS AND PROCESS FOR MAKING THEM
Paul D. Watson, Arlington, Va., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Original application May 27, 1944, Serial No. 537,663. Divided and this application June 18, 1946, Serial No. 677,467
7 Claims. (Cl. 260—23.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

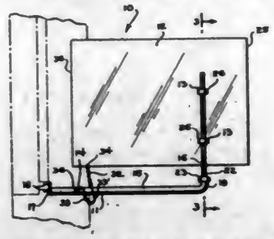
1. A process for preparing a resinous material which comprises heating at polymerizing temperatures a mixture of between 35 and 70% polylactylic acids, between 20 and 50% fatty drying oils, and about 5% of a member selected from the group consisting of fumaric acid, maleic anhydride, and mixtures of fumaric acid and maleic anhydride until partial polymerization is effected, then adding between 10 and 15% of an oil-soluble hydrogenated coumarone-indene resin having a melting point of from 145° to 155° C., said percentages being based on the total weight of the ingredients, and continuing the heating under conditions permitting the removal of volatile products of reaction until a viscous, elastic, resinous product is formed.

2,453,560
AIRFOIL OPERATING MECHANISM
Arthur Harold Westberg, Baldwin, and Charles S. Aldrich, Babylon, N. Y., assignors to Republic Aviation Corporation, a corporation of Delaware
Application September 28, 1943, Serial No. 504,104
7 Claims. (Cl. 74—516)



1. In an airfoil control, the combination with a primary lever, the outer extremity of the work arm of said primary lever having a slot therein, a central longitudinal ridge on one side of said slot, a pair of spaced ridges each at one edge of the other side of said slot, a secondary lever, a plurality of rollers carried by one extremity of the secondary lever and adapted to operate in said slot, a number of said rollers being arranged to contact against the spaced ridges on one side of the slot and the remaining rollers contacting against the central ridge on the opposite side of the slot, and an airfoil connection associated with the opposite end of said secondary lever.

2,453,561
WINDOW AIR VANE DEVICE
Jack Wolff, Brooklyn, N. Y.
Application December 18, 1945, Serial No. 635,693
4 Claims. (Cl. 98—44)



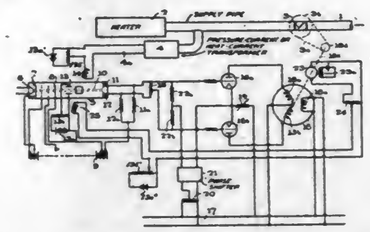
1. The combination with a bracket arm for attachment at one end to a window frame and having its other end bent upward, a vertical rod secured at its lower end to the upper portion of the upturned end of the bracket arm, collars fixedly mounted on said vertical rod in spaced relation to each other, eyebolt elements rotatively engaged on said rod and retained in spaced relation thereon by having their bottom faces resting on the top faces of said collars, said eyebolt elements being formed with vertically aligned flat sides, screw threaded shanks projecting from the flat sides of said eyebolt elements, a flat vertical vane formed with spaced holes adjacent one vertical edge thereof and through which the free ends of said threaded shanks pass, and nuts threadedly engaged on the free ends of said threaded shanks to be tightened against the adjacent face of said vane and clamp the opposite face thereof against the flat sides of said eyebolt elements.

2,453,562
HEAT-CURABLE ELASTIC COMPOSITIONS OF MATTER
James G. E. Wright, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application March 11, 1948, Serial No. 14,385
10 Claims. (Cl. 260—37)

1. A composition of matter comprising a solid, elastic, curable methylpolysiloxane consisting of methyl radicals and silicon and oxygen atoms and containing an average of from 1.98 to 2.00 methyl groups per silicon atom, said solid methylpolysiloxane having been obtained by condensing a liquid comprising essentially polymeric dimethylsiloxane containing up to 2 mol per cent copolymerized monomethylsiloxane, having incorporated therein an amount of a zirconyl nitrate sufficient to effect curing of the elastic product.

2,453,563
REGULATOR SYSTEM
Herbert Ziebolz, Chicago, Ill., assignor to Electronbeam, Ltd., Chicago, Ill., a partnership
Application November 22, 1943, Serial No. 511,332
4 Claims. (Cl. 318—28)

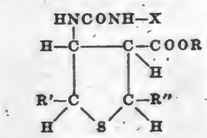
4. In a regulator system, the combination of a movable control element for varying the magnitude of a condition to be regulated, means for operating said control element including an electron beam relay having beam deflecting means, magnitude setting means comprising means for normally deflecting the electron beam of said relay in a direction to increase the magnitude of said condition, means responsive to the magnitude of said condition and acting on said beam deflecting means in opposition to the action of



said magnitude setting means and thereby limiting the increase in said condition to a value determined by the setting of said magnitude setting means, and means controlled by movement of said control element for energizing said beam deflecting means in proportion to the speed of movement of said control element and in a direction tending to oppose the movement of said control element.

2,453,564
UREYLENETHIOPHANE CARBOXYLIC ACIDS AND ESTERS AND METHODS OF PREPARING SAME
Bernard R. Baker, Nanuet, N. Y., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 16, 1945, Serial No. 605,467
12 Claims. (Cl. 260—329)

1. Chemical compounds having the general formula:

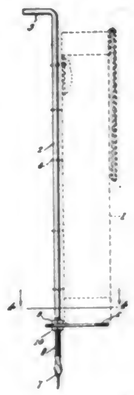


wherein X is a member of the group consisting of hydrogen, alkyl and aryl radicals, R is a member of the group consisting of hydrogen, alkyl and alkali metal radicals and R′ and R″ are members of the group consisting of hydrogen, carboxyalkyl and carbalkoxyalkyl radicals.

2,453,565
SUPPORT FOR GOLF BAGS
William A. Barden, Waynesville, N. C.
Application January 22, 1946, Serial No. 645,021
2 Claims. (Cl. 248—96)

2. A support for a golf bag comprising a rod having a handle at one end and a ground penetrating point at the other end, a plate provided with an eccentrically positioned aperture for receiving the rod, and securing means on said rod adjacent the ground penetrating point cooperating with said plate for holding the plate at different positions of adjustment on the rod where-

by when the rod is turned to one position the plate underlies the bag and when the rod is

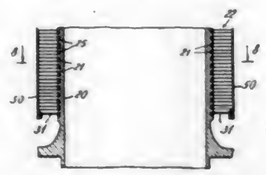


turned to another position the plate extends outwardly beyond the bag to form a support.

2,453,566
DIALKYL THIOACETALS OF CHOLESTANONE AND METHOD
Seymour Bernstein, Pearl River, and Louis Dorfman, New York, N. Y., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 26, 1945, Serial No. 585,011
4 Claims. (Cl. 260—397.2)

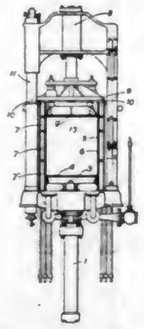
1. Dialkyl thiocetals of cholestanone-3.

2,453,567
COOLING FIN STRUCTURE FOR INTERNAL-COMBUSTION ENGINES
Wilhelm B. Bronander, Montclair, N. J.
Application September 23, 1944, Serial No. 555,545
1 Claim. (Cl. 257—261)



In combination, a cylindrical member to be cooled, a plurality of cooling fins mounted on and encircling said member, an annular protector ring for the fins secured to said member, said protector ring being formed of material stiffer than the material of the cooling fins to be protected, said protector ring comprising a ring channeled in section and having flanges at the inner and outer periphery thereof, said protector ring being split and having formed therein opposite the split a slit extending from the inner periphery to an elongated slot disposed adjacent the outer flange and extending substantially at right angles in opposite directions from the slit whereby the ring can be bent at the slit to open up the ring, and means for securing a deflector plate to said protector ring.

2,453,568
APPARATUS FOR THE MANUFACTURE OF CORKBOARD BY INJECTION OF A HEATED GAS
Cipriano Ribeiro Calleia, Lisbon, Portugal
Application September 13, 1945, Serial No. 616,097
In Portugal September 15, 1944
5 Claims. (Cl. 18—6)



1. Apparatus for the manufacture of corkboard blocks and the like comprising a mould having perforated end plates and perforated side walls for directly engaging the block, means for first compressing the material in the mould, means for then admitting heated gas through one of the end plates and inwardly through all the side walls to penetrate the compressed material, means whereby such gases all escape through the second end wall, and means for the removal of the material from the mould.

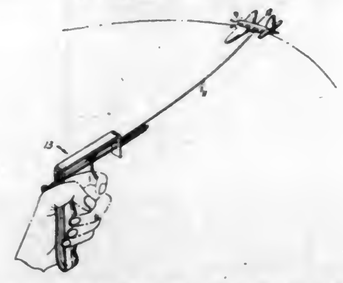
2,453,569
PLASTICIZED POLYVINYL ACETAL RESIN
Max O. Debacher, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 30, 1945, Serial No. 602,665
14 Claims. (Cl. 260—23)

1. A composition comprising 100 parts of a polyvinyl acetal resin derived from a polyvinyl ester in which at least 30% of the ester groups have been replaced by acetal groups and not more than 50% of the ester groups have been replaced by hydroxyl groups, 0.5–5 parts of sulfur and at least 10 parts of a blown ester of a polyhydric alcohol and a poly-unsaturated aliphatic acid, the acid residues thereof containing more than 9, but less than 21 carbon atoms, the amount of said ester not exceeding its compatibility in said composition.

2,453,570
PLASTICIZED POLYVINYL ACETAL RESIN
Max O. Debacher, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 30, 1945, Serial No. 602,666
18 Claims. (Cl. 260—31.6)

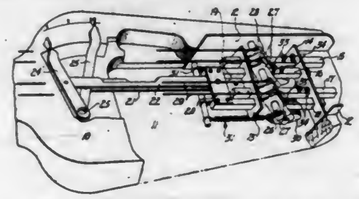
1. A composition comprising a polyvinyl acetal resin derived from a polyvinyl ester in which at least 30% of the ester groups have been replaced by acetal groups and not more than 50% of the ester groups have been replaced by hydroxyl groups, 25–150 parts of a partial ester of a non-resinous polyhydric alcohol and a poly-unsaturated aliphatic acid, the polyhydric alcohol residue of said ester containing at least one free hydroxyl group, and 0.05–30 parts of sulfur for every 100 parts of polyvinyl acetal resin.

2,453,571
CONTROL DEVICE
Joseph Louis De Barbieri and Edward Kishner, Brooklyn, N. Y.
Application April 19, 1946, Serial No. 663,295
4 Claims. (Cl. 74—502)



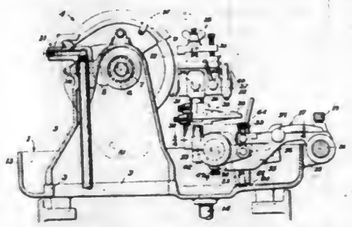
1. A control handle for guiding model planes in flight by means of cords, and comprising an inverted J frame having a hole in each leg thereof and said holes being axially aligned, a bar slidably disposed in said holes, a trigger secured to said bar for transporting it to the rear, the shorter leg of said frame having a second hole to receive the control cords for guiding the plane, a pulley on the longer leg of the said frame and about which one of the said control cords pass, means on the said slidable bar for securing the control cords, for the transmission of movement of the said bar to the said plane, and springs associated with the said bar to maintain said bar in a predetermined position.

2,453,572
MEANS FOR VARYING THE TUNING OF STRINGED INSTRUMENTS
David John Ferrier, St. Kilda, Victoria, Australia
Application December 9, 1947, Serial No. 790,626
In Australia June 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 12, 1965
11 Claims. (Cl. 84—312)



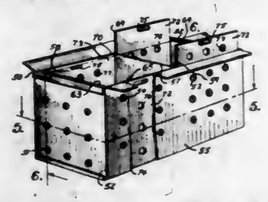
1. Means for varying the tuning of a string in a stringed instrument, comprising a tensioning member pivoted to the frame of the instrument, one end of the string being affixed to the upper end of said member, a roller on the lower end of the tensioning member, a member slidably mounted in the frame, an abutment on the slidable member, and means for actuating the slidable member in order to move the abutment thereon into engagement with the roller on the tensioning member, thereby altering the tension of the string.

2,453,573
GRINDER MACHINE
Emil F. Hager, Queens Village, N. Y.
Application February 2, 1945, Serial No. 575,749
16 Claims. (Cl. 51—125)



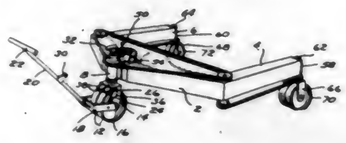
1. In a work shaping apparatus having a spindle and work shaping means carried by said spindle, a bar disposed parallel to said spindle, a carriage mounted at least in part on said bar for movement in directions parallel to said spindle, a member carried by said carriage with a given axis thereof disposed at an angle to the axis of said spindle, means on said carriage for moving said member relative to said carriage in directions parallel to said spindle, means for pivotally adjusting said member about said given axis, a work supporting means carried by said member, and means for pivotally adjusting said work supporting means about an axis transverse to said given axis.

2,453,574
CONTROLLED VENTILATED CONTAINER
Irving Hill, Lawrence, Kans., assignor to The Lawrence Paper Company, Lawrence, Kans., a corporation of Kansas
Application May 13, 1946, Serial No. 669,406
8 Claims. (Cl. 229—42)



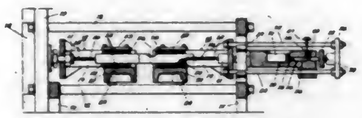
3. An egg case comprising, a container having bottom, side and end walls, said side and end walls of the container having ventilation openings therein, a liner removably mounted in the container, said liner having a fold line at substantially the center thereof and folded downwardly laterally and upwardly to form a partition, bottom and end panels for the container, said partition separating the container into compartments and being provided with ventilation openings and the end panel having ventilation openings registering with the ventilation openings in the end walls of the container, and a plurality of liners removably mounted in the container including bottom members and upwardly extending panels, the upwardly extending panels being provided with ventilation openings, the openings of one panel registering with the ventilation openings in one side wall of the container and the ventilation openings in the opposite panel being adapted for out-of-registry with the ventilation openings in the opposite side wall of the container, said liners being reversible for controlling ventilation of the respective compartments.

2,453,575
TONGUE ACTUATED BRAKE FOR HAND TRUCKS
William C. House, Greene, N. Y., assignor to Lyon-Raymond Corporation, Greene, N. Y., a corporation of New York
Original application November 2, 1943, Serial No. 508,711, now Patent No. 2,388,692, dated November 13, 1945. Divided and this application November 10, 1945, Serial No. 627,823
9 Claims. (Cl. 188—119)



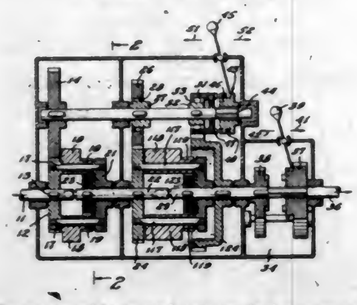
1. In a truck, the combination with the truck frame, a swivelled steering wheel and a steering and draft tongue having a steering connection to said steering wheel swivel and pivoted to swing also in vertical planes between a substantially upright position and a position below draft level, of a brake for the steering wheel and means for operating said brake comprising a vertically slidable brake-depressing plunger extending through said steering wheel swivel, cooperating means carried by said plunger and said steering tongue respectively to effect a depression of said plunger to apply said brake when said steering tongue is moved into its upright position and other cooperating means carried by said plunger and said steering tongue respectively to effect a depression of said plunger to apply said brake when said steering tongue is moved into its position below draft level, said two plunger depressing means being independent of each other and both being inoperative between said approximately extreme tongue positions.

2,453,576
SPOT WELD TESTER
Fraser B. Jacob, Lynn, Mass., assignor to The Electroloy Company, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application March 2, 1945, Serial No. 580,565
1 Claim. (Cl. 73—88)



A measuring head for a spot weld coupon testing device comprising a resilient restraining means, means for transmitting movement from a gripping head of said device to said restraining means, means for indicating the deflection of said restraining means, and means for retaining a reading of said indicating means, said last mentioned means comprising a plunger for transmitting movement from said restraining means to said indicating means, said plunger having a tapered notch therein and a friction pin resting in said notch and being urged against the tapered surface, and means for manually releasing said pin from said tapered surface to restore the indicating means to normal.

2,453,577
VARIABLE-SPEED TRANSMISSION
Constantin Krispis, Athens, Greece
Application July 19, 1947, Serial No. 762,172
In Greece March 28, 1947
2 Claims. (Cl. 74—260)



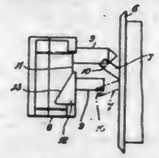
1. In a variable speed transmission comprising a driving shaft and an independently rotatable driven shaft, of a driving gear, an auxiliary shaft rotated by said driving shaft, two spaced gears keyed to said driven shaft, one of said keyed gears having a large diameter and the other one a comparatively smaller diameter, and means for transmitting energy from said driving gear to one of said keyed gears on said driving shaft selectively, depending on the ratio of energy imparted to said driving shaft and a load applied to said driven shaft, respectively, said means comprising a planetary gear pivoted to said driving gear spaced from said driving shaft and adapted to assume a stationary position relative to said driving gear upon attainment of a predetermined speed ratio intermediate said driven shaft and said driving shaft, and a gear meshing with said large keyed gear and unidirectionally driven by said auxiliary shaft for turning said driven shaft prior to attainment of said predetermined speed ratio between said driven and said driving shafts.

2,453,578
PREPARATION OF CHEMILUMINESCENT COMPOSITION OF MATTER
Harold T. Lacey, Plainfield, and Robert E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 19, 1944, Serial No. 523,157
2 Claims. (Cl. 260—250)

1. A process of preparing a mixture of 5- and 6-nitro-1,4-dioxotetrahydrophthalazines which comprises reacting a mixture, obtained by nitrating phthalic anhydride with a mixture of concentrated sulfuric and nitric acids and then bubbling sulfur dioxide therethrough for a sufficient time to destroy any residual nitric acid, with hydrazine sulfate in concentrated sulfuric acid.

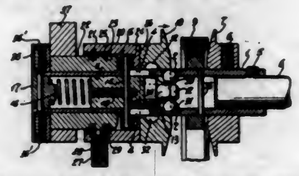
2,453,579
ELECTRIC PLUG AND SOCKET CONNECTION
Jack Lund, Salford, England, assignor to Dorman & Smith Limited, Salford, England
Application August 28, 1945, Serial No. 613,055
In Great Britain August 29, 1944
3 Claims. (Cl. 200—51.09)

1. An electric connector comprising a plug member provided with projecting pins, a socket member having sockets for the reception of said pins, a shiftable switch arm carried by said socket member and projecting from the front thereof toward said plug member, said switch arm being manually operable to shift the same into "on" position after engagement of the plug and socket members, and cooperating means carried by said switch arm and plug member for



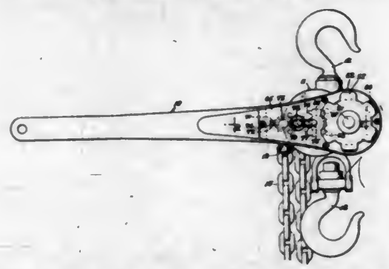
automatically shifting the arm to "off" position during disengagement of the plug member from the socket member, said cooperating means being effective also to prevent engagement of the plug and socket members when the arm is in "on" position.

2,453,580
V-BELT DRIVE PULLEY
Albert F. Lusk, Pontiac, Mich.
Application June 20, 1946, Serial No. 678,054
21 Claims. (Cl. 74—230.24)



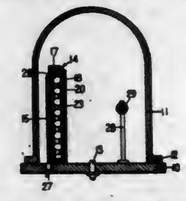
1. In a V-belt drive pulley construction, the combination of a pulley having one half thereof fixedly mounted on a rotatable shaft and the other half slidably mounted on said shaft, means for rotating said shaft, means for moving the slidable half of said pulley along said shaft and into operative position with respect to the fixed half during the rotation of said shaft, means for effecting the operation of said pulley moving means, and means for causing the slidable half of the pulley to become locked to said shaft so that it will rotate therewtih as it is moved into operative position with respect to the fixed half thereof.

2,453,581
CLUTCH AND BRAKE DEVICE
George E. Moore, Muskegon Heights, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon Heights, Mich., a corporation of New Jersey
Application May 17, 1945, Serial No. 594,239
8 Claims. (Cl. 192—16)



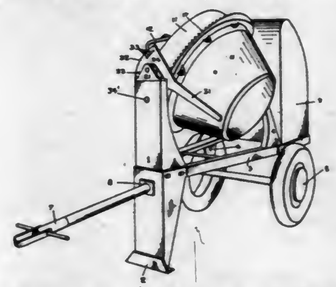
1. In a hoist, in combination, a load shaft, a driving member mounted on said shaft for rotation relative thereto, a load brake for said shaft, means operable in response to the relative rotation of said member and shaft in one direction for rendering said brake effective to prevent rotation of said shaft in a load lowering direction, said brake being released upon relative rotation of said member and said shaft in the opposite direction, and means operable to releasably latch said member and said shaft together in a position to maintain said brake released.

2,453,582
APPARATUS FOR MAKING PATTERN MIRRORS AND OTHER COATINGS
Willard L. Morgan, Columbus, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 9, 1944, Serial No. 539,530
5 Claims. (Cl. 91—12.2)



1. In an apparatus for producing pattern coatings having clear uncoated areas and a coated area, the combination of a vacuum chamber, an evaporating source located within the chamber, means for supporting a workpiece to be coated also located within said chamber, a plurality of unsupported metallic magnetic plates engaging the front face of said workpiece, and means for maintaining said plurality of plates in predetermined positions on said front face, said last-named means comprising a plurality of permanent magnets.

2,453,583
TILTING BOWL CONCRETE MIXER
Walter Muller, Dunellen, N. J., assignor to Muller Machinery Company, Inc., Metuchen, N. J., a corporation of New Jersey
Application March 8, 1946, Serial No. 653,006
9 Claims. (Cl. 259—176)



1. In apparatus of the character described, a pair of upright frame members, bearing members therein and projecting inwardly therefrom, a yoke formed of a curved piece of metal substantially U-shaped in cross section mounted on the inwardly projecting portion of said bearing members near its ends and normally depending downwardly between them, a mixing bowl mounted for rotation in said yoke between said bearing

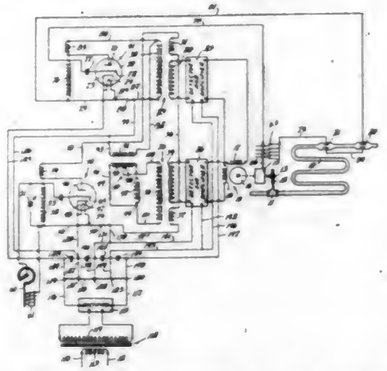
members and adapted to oscillate thereon with said yoke, an annular rack on the exterior of said bowl, a pinion in mesh with said rack for rotating said bowl a driving shaft on which said pinion is fixed, said shaft extending through and journaled in one of said bearing members outwardly and inwardly of said yoke, said yoke-metal being provided with an aperture in its inwardly disposed web through which said bearing member passes.

2,453,584

REFRIGERATING CONTROL APPARATUS

Alwin B. Newton, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application June 8, 1944, Serial No. 539,299
19 Claims. (Cl. 62—8)



1. Control means for a refrigerating system of the sort wherein refrigerant is circulated through an evaporator including; valve means for controlling the flow of refrigerant through such an evaporator, reversible motor means for operating said valve means, said motor means being variable in speed, means for responding to the electrical impedance value of the refrigerant at the outlet of the evaporator, and means including said responsive means for controlling said motor means to move said valve means toward closed position upon an increase of said value and to move said valve means toward open position upon a decrease of said value, the speed of operation of said motor means being dependent upon the variation of said impedance from a predetermined quantity.

2,453,585

PROCESS OF MAKING A SUBSTANTIALLY ALKALI-FREE HYDROGEL CATALYST

John W. Payne, Thomas P. Simpson, and James I. Butzner, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application August 24, 1945, Serial No. 612,560
5 Claims. (Cl. 252—254)

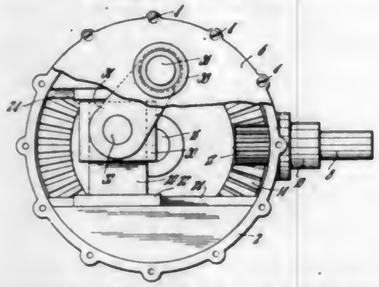
1. A method of making a substantially alkali-free silica-alumina gel type hydrocarbon conversion catalyst, which comprises permitting a hydrosol of silica and alumina containing zeolitic alkali metal to set to a hydrogel, contacting the hydrogel so obtained with hot water for a period sufficient to adjust its density to a predetermined value, soaking the resulting hydrogel in an aqueous polyvalent metal salt solution containing at least three times the theoretical quantity of polyvalent metal salt required to displace the alkali metal in the hydrogel, and thereafter soaking said hydrogel in an aqueous solution of an ammonium salt containing from about 0.5 to about 1.5 times the theoretical quantity of ammonium salt necessary to displace the original alkali metal in the hydrogel, water-washing the treated hydrogel free of soluble matter, and drying at an elevated temperature to yield a silica-alumina gel, whereby the residual quantity of alkali metal in said gel is decreased below the minimum which can be achieved by an equivalent base exchange using polyvalent metal or ammonium salts exclusively.

2,453,586

DRIVE MECHANISM

Julian L. Perkins, West Springfield, Mass., assignor, by mesne assignments, to The Gordon Armstrong Company, Inc., Cleveland, Ohio, a corporation of Ohio

Application September 27, 1945, Serial No. 618,845
2 Claims. (Cl. 74—70)



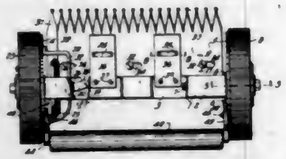
2. A driving mechanism of the class described comprising in combination, a casing, a drive shaft and a driven shaft journalled therein, intermeshing gears fixed to said shafts, a slide guided for reciprocation in said casing, a block slidable on said slide, means carried by one of said gears engaging said slide whereby it is reciprocated by said gear, an oscillatable shaft journalled in said casing, and a crank fixed to said oscillatable shaft at one end and pivoted to said block at its other end whereby as the slide is reciprocated in opposite directions the block is reciprocated in directions opposite thereto to oscillate said oscillatable shaft.

2,453,587

LAWN MOWER

Edward W. Petri and Frank H. Seeley, Fort Plain, N. Y.

Application July 5, 1944, Serial No. 543,520
3 Claims. (Cl. 56—260)



1. A lawn mower comprising a pair of spaced ground wheels, a shaft on which said wheels are rotatably mounted; one of said wheels having gear teeth therein forming an internal gear; a vertically-disposed, rectangular, open frame having an end plate thereon closely adjacent each of said gears; one of said plates forming with one of said wheels a substantially enclosed fly wheel housing, and the other of said plates forming with said internal gear wheel a substantially enclosed gear housing; a flywheel secured to said shaft within said flywheel housing, a first gear rotatably mounted on said shaft within said gear housing and a ratchet and pawl cooperating with said first gear and said shaft whereby said gear may drive said shaft but said shaft may override said gear; a pair of gears enclosed within said gear housing, each cooperating with said internal gear and said first gear and one of said two gears being provided with means forming a female clutch member, a male clutch member enclosed in said housing adapted to cooperate with said female member and having a shaft slidably mounted in a bearing secured to said frame, a motor mounted on said frame, speed reducing gears cooperating therewith and with said male clutch shaft for driving the same, a stationary cutting bar and a movable cutting bar cooperating therewith carried by the bottom of said frame, and mechanism driven from said first mentioned shaft for oscillating said movable bar.

2,453,588

PURIFICATION OF ORGANIC ACIDS

Orville L. Polly, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application May 2, 1945, Serial No. 591,579
6 Claims. (Cl. 260—419)

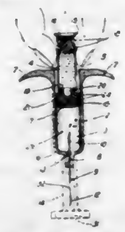
1. A method of separating monocarboxylic organic acids having more than eight carbon atoms in the molecule from non-acidic organic materials which comprises contacting said acids in the absence of water and in the presence of a non-polar solvent with a metal carbonate capable of forming a recoverable complex with said acids, separating said complex from said non-acidic organic materials and non-polar solvent and recovering said acids from the separated complex.

2,453,589

HYPODERMIC SYRINGE AND AMPOULE THEREFOR

Noel J. Poux, Meadville, Pa.

Application November 4, 1946, Serial No. 707,644
10 Claims. (Cl. 128—220)



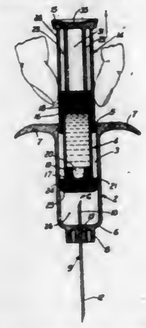
3. A hypodermic syringe comprising, in combination, an elongated cylindrical hollow body member being open at one end and closed at its opposite end, a double pointed injection needle securely arranged in said closed end with one point extending into the hollow portion of said body member and with the other end extending outwardly therefrom, an elongated cylindrical ampule containing liquid to be injected positioned in the hollow portion of said body member and inserted through the open end thereof, a pair of stoppers with one disposed at each end of said ampule for hermetically sealing the same, one of said stoppers disposed wholly within the ampule with the other being shaped to fit around the end thereof with its outer part snugly fitting the end of the hollow portion of the body member, said last mentioned stopper adapted to be perforated by the needle point disposed in the hollow portion of said body member, and means for pushing the first mentioned stopper inwardly through the ampule to force the liquid through said needle.

2,453,590

HYPODERMIC SYRINGE

Noel J. Poux, Meadville, Pa.

Application November 4, 1946, Serial No. 707,645
5 Claims. (Cl. 128—220)



1. A hypodermic syringe comprising, in combination, an elongated hollow body member being open at one end and closed at its opposite end, a double pointed injection needle securely arranged in said closed end with one point extending into the hollow portion of said body member and with the other end extending outwardly therefrom, an elongated ampule containing liquid adapted to be injected positioned in the hollow portion of said body member and inserted through the open end thereof, a pair of stoppers with one disposed at each end of said ampule for hermetically sealing the same, one of said stoppers having substantially the same diameter as the inner diameter of said ampule and adapted to act as a piston to force the liquid therefrom with the other stopper being shaped to fit over and around the end of the ampule, said last mentioned stopper adapted to be perforated by that needle point disposed in the hollow portion of said body member when the ampule is fully seated therein, and means for pushing the first mentioned stopper inwardly through the ampule to force the liquid through said needle consisting of an elongated hollow portion which is adapted to fit around the ampule for housing and holding the same and a plunger portion arranged within said hollow portion integral and concentric therewith which abuts against the first mentioned stopper and forces the same through the plunger when said means is forced into the ampule and syringe.

2,453,591

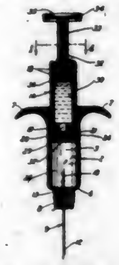
HYPODERMIC SYRINGE

Noel J. Poux, Meadville, Pa.

Application November 4, 1946, Serial No. 707,646
8 Claims. (Cl. 128—220)

5. A hypodermic syringe comprising, in combination, an elongated cylindrical body member made from a transparent plastic material, said body having a cylindrical chamber therein so as to provide a relatively thin wall body member with said chamber being open at one end and

closed at its opposite end, a double pointed injection needle securely arranged in said closed end with one point extending centrally into said chamber and with the other point extending outwardly from the body member, an elongated cylindrical ampule containing the liquid to be injected, a pair of resilient stoppers with one disposed in each end of said ampule for hermetically sealing the same, one of said stoppers disposed wholly within the ampule and the other fitting securely around the end thereof, said



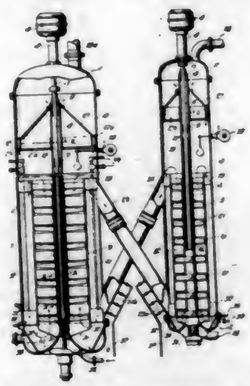
ampule inserted through the open end of said chamber with said last mentioned stopper adapted to be perforated by the needle point in said chamber, and a combination cap and plunger member consisting of a hollow cylindrical portion adapted to act both as a cap portion and as a guide for said ampule having a plunger portion detachably connected thereto at one end thereof, said plunger adapted to push the first mentioned stopper inwardly through the ampule to force the liquid through said needle.

2,453,592

CONTACTING APPARATUS FOR CATALYTIC PROCESSES

David H. Putney, Kansas City, Mo., assignor to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware

Application December 8, 1944, Serial No. 567,240
2 Claims. (Cl. 23—288)



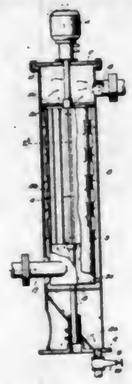
1. In an apparatus for intimately mixing a solid pulverulent catalyst with fluid reactants wherein the catalyst is circulated in a cyclic ring during mixing, the combination with a vertical vessel having inlet and outlet ports for the catalyst and reactants, an open-ended circulating tube within the vessel, a power-driven shaft extending axially of the tube, a plurality of impellers within the tube rotated by the shaft and adapted to create a cyclic circulation of the catalyst reactant mixture upwardly through the tube and downwardly in the annular space surrounding the tube, radial stationary straightening vanes within the circulating tube located both on the suction and discharge sides of the impellers, said straightening vanes having a length substantially that of the impellers and having a curved lower portion, said curved lower portion lying outside the plane in which the noncurved portion of the straightening vane lies.

2,453,593

APPARATUS FOR SEPARATING ENTRAINED SOLIDS FROM GASES

David H. Putney, Kansas City, Mo., assignor to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware

Application January 11, 1946, Serial No. 640,620
2 Claims. (Cl. 183—77)



1. An apparatus for separating entrained solids from gaseous materials comprising concentric vessels of different diameters, the annular space therebetween closed at the top and open at the bottom, an inlet opening into the outer vessel, an outlet opening in the upper portion of the inner vessel having communication with an outlet in the upper portion of the outer vessel, a solids discharge opening in the bottom of the outer vessel, said inner vessel having an opening in the bottom and thereby being in communication with the outer vessel, rotative elements within the inner vessel adapted to rotate the gaseous mass passing through it and peripheral apertures in the shell of the inner vessel for the passage of solids and gases.

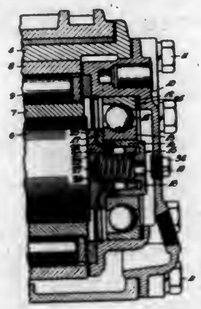
2,453,594

JOURNAL BOX

Harry R. Reynolds, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application December 1, 1945, Serial No. 632,245
7 Claims. (Cl. 308—41)

1. In a journal box having a rotatable and axially movable shaft journaled therein, a thrust bearing for the shaft comprising inner and outer bearing rings with interposed anti-friction bearing members, means for mounting the outer of said bearing rings against movement away from the end of the shaft, a plug fixedly secured in the bore of the inner of said rings and having an outwardly facing flange engaging the edge of the inner bearing ring adjacent the end of the shaft, a bushing including a sleeve slidably mounted in said plug, means for limiting the sliding movement of said sleeve in said plug, a spring interposed between said plug and bushing for urging



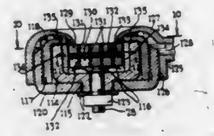
the latter toward the end of the shaft, said bushing having a thrust flange for cooperation at one side with the end of the shaft and for cooperation at the other side with the outwardly facing flange on the plug.

2,453,595

APPARATUS FOR DISPENSING LIQUID FUEL

Adolph H. Rosenthal, New York, N. Y., assignor to Scophony Corporation of America, New York, N. Y., a corporation of Delaware

Application August 27, 1943, Serial No. 500,242
5 Claims. (Cl. 123—119)



4. A dispensing device for liquid fuel, including an element having a vibratory surface and internal fuel conducting channels leading to spaced openings distributed over said surface, and means for vibrating said element in a direction substantially perpendicular to its vibratory surface and at supersonic frequency.

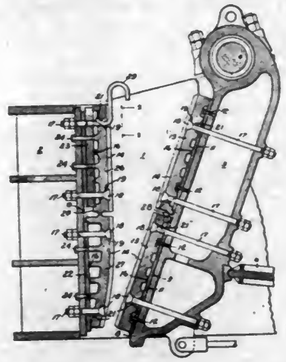
2,453,596

LINER PLATE FOR JAW CRUSHERS

Alexander J. Roubal, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application June 9, 1944, Serial No. 539,436
4 Claims. (Cl. 241—300)

4. In a crusher jaw structure, a jaw body having a pressure receiving face, a pair of replaceable wear plates rigidly secured to said body in pressure transmitting relation to said face in longitudinally spaced relation, to form a wear receiving jaw plate mounting surface for said jaw body having a transverse groove intermediate its length, a pair of jaw plates for said jaw each having a working face, a rear face and a transverse ledge projecting from one end of said rear face, of depth less than said groove and thickness approximately half the width of said groove, said jaw plates being mounted on said jaw plate mounting surface with their ledge ends abutting and the ledges engaged in said groove to prevent longitudinal displacement of said jaw plates, and means securing said jaw plates firmly against said



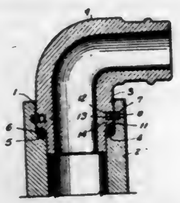
jaw plate mounting surface and said jaw body to form an operative unit.

2,453,597

FITTING FOR PIPE OR HOSE CONNECTIONS

Emmett F. Sarver, Erie, Pa., assignor to Rohlm Manufacturing Company, Inc., Erie, Pa., a corporation of Kansas

Application October 30, 1944, Serial No. 561,041
2 Claims. (Cl. 285—97.3)



1. A swivel pipe fitting including complementary male and female tubular members, the female member having at one end an enlarged socket forming an annular shoulder at the inner end of said socket, an annular groove around the inner periphery of the socket in spaced relation to the shoulder, a compressible gasket ring adapted to seat on the annular shoulder in the socket, the male tubular member having a portion shaped to fit and enter the socket, a pilot on said male member shaped to fit and extend into the female tubular member beyond the annular shoulder in the socket, an annular ledge being provided around the periphery of said male member between the pilot and the portion fitting in the socket, said ledge engaging the gasket ring, an annular groove around the outer periphery of the male member in spaced relation to the ledge and adapted to mate with the annular groove in the socket when the gasket ring is compressed between the shoulder and the ledge of the respective members, and a split retaining ring of a size to enter the socket when compressed in the groove of said male member and of a thickness greater than the depth of the groove in the socket into which it is adapted to expand to engage both of said grooves for retaining the tubular members together with a sealed joint and permit relatively rotary motion of said members.

2,453,598
FERROUS ALLOYS AND ROTOR FORGINGS FOR GAS TURBINES
Adolph O. Schaefer, Whitpain Township, Montgomery County, Pa., assignor to The Midvale Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 29, 1945, Serial No. 613,423
4 Claims. (Cl. 75—128)

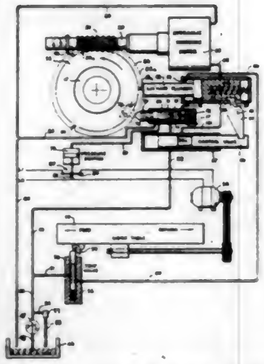
1. A ferrous alloy particularly adapted for the manufacture of rotor forgings for gas turbines, said alloy containing carbon .05 to less than .3 per cent, manganese over .3 and less than one per cent., silicon over .3 and less than one per cent., nickel over 9 to less than 15 per cent., chromium over 15 to less than 25 per cent., tungsten over 2 to less than 5 per cent., columbium over .5 to less than 2 per cent and nitrogen over .05 to less than .3 per cent., with a maximum of phosphorus and sulphur not over .03 per cent. each, substantially all of the remainder being iron which comprises the major proportion of the alloy, the percentage of chromium substantially exceeding the percentage of nickel and the percentage of tungsten substantially exceeding the percentage of columbium; said composition being characterized by great ease in casting and forging, adequate strength at the temperature range of operation of gas turbines, high ductility permitting of maximum automatic distribution of stresses, and uniformity of product particularly in parts of widely different thicknesses.

2,453,599
DOUGH-PREPARING DEVICE FOR LATTICE-WORK PIE CRUSTS
Kurt Schlegel, New York, N. Y.
Application February 21, 1947, Serial No. 730,051
5 Claims. (Cl. 107—47)



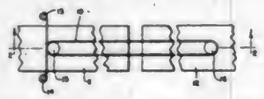
1. A dough-preparing device for lattice-work pie-crust embodying, in combination, a multiplex group of tubular dough-cutting dies adapted to perforate a sheet of pie-crust dough and having cutting edges extending to a common level to simultaneously cut a group of apertures of suitable design, the members of said group being positioned in closely spaced relationship to each other to provide inter-die channels for the formation between said perforations of open-work lattice strips of said perforated sheet, means for supporting said group of dies in said spaced group position, each of said dies having adjacent to the cutting edges wall portions inclined-inwardly toward the axis of the die to enable complete severence of dough pieces from the sheet and also to produce at the outer sides of said cutting edges outwardly-inclined channel walls engageable with and providing increased engaging surface between the channels and lattice strips to enable retention of such strips therein, and ejecting means movable within said channel to eject said perforated sheet of pie-crust dough from said channels.

2,453,600
INDEXING MECHANISM
Harold R. Soden, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application July 13, 1944, Serial No. 544,778
15 Claims. (Cl. 90—56)



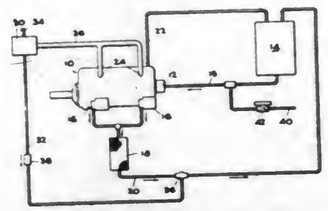
1. In a machine tool, a work table, a prime mover for actuating said work table, an indexible work holder, a driving motor for moving said work holder to indexed positions, a yieldable driving connection between said motor and said work holder, a locking plunger mechanism arranged to cooperate with said work holder for accurately holding said work holder in indexed positions, means rendered operative by the movement of said work table to initially withdraw said locking plunger, means rendered operative upon initial withdrawal of said locking plunger to effect a limited amount of indexing movement in said work holder while said driving motor is inoperative, and means responsive to withdrawal of said locking plunger from positioning said work holder to effect rotation of said motor.

2,453,601
ELECTRIC STRAIN GAUGE
Louis D. Statham and Carlos J. Baker, Los Angeles, Calif., and Karl D. Swartzel, Snyder, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application September 21, 1944, Serial No. 555,168
14 Claims. (Cl. 201—63)



1. A mounting for strain wire whose electrical resistance varies with length and whose length varies reversibly with an applied load, comprising a metallic base member, a plurality of aluminum pins mounted in said base member, an anodized surface on each of said pins forming thereby an electrical insulating surface, a metallic collar loosely mounted on said pin and in contact only with said insulating surface, a pair of electrical terminals insulated from each other, each of said terminals being fixed in position with respect to one of said pins, and a strain wire attached at one end to one said terminal and at the other end to the other said terminal and wound successively around each of said pins under a predetermined tension and adhesively secured to said metallic collars thereon.

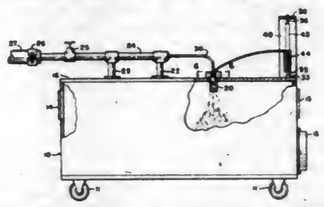
2,453,602
ENGINE LUBRICATION SYSTEM
John F. Strickler, Jr., Williamsville, and Stuart K. Edleson, Niagara Falls, N. Y., assignors to Bell Aircraft Corporation, Wheatfield, Niagara County, N. Y.
Application March 28, 1946, Serial No. 657,678
5 Claims. (Cl. 123—196)



1. An internal combustion engine lubrication system, comprising in combination, an engine casing, a first conduit leading from said casing, a pump in operative communication with said first conduit for inducing flow of oil therethrough away from said casing, an oil cooling radiator connected to said first conduit for cooling the oil passing therethrough, a second conduit leading from said radiator to convey oil discharged therefrom, an oil supply tank having an inlet port connected to said second conduit, a third conduit coupled to said oil supply tank and to said engine casing for conveying oil from said tank into said casing, a second pump device connected to said third conduit and operable to displace oil therethrough whereby the engine casing oil may be continuously withdrawn and circulated through said radiator and said tank and returned to said casing, a fourth conduit arranged to convey under pressure a liquid diluent for said engine casing oil supply and connected to said third conduit, a vent conduit interconnecting said engine casing and said oil supply tank for venting vapor from the oil supply tank into the engine casing, said engine casing having a breather outlet port and a fifth conduit connected thereto for carrying oil-containing vapors from the engine casing, an oil separator connected to said fifth conduit and having a separated air discharge port and a recovered oil discharge port, a sixth conduit connected to said recovered oil port and connected to a check valve permitting displacement of oil through said sixth conduit only in a direction leading away from said separator, and an eductor connected into said second conduit and having its induction intake port coupled to said sixth conduit and so arranged that displacement of oil through said second conduit in the direction of said oil supply tank induces addition thereto of oil recovered from said separator.

2,453,603
METHOD AND APPARATUS FOR STRIPPING YARN PACKAGES
Columbus C. Sumner, Elon College, N. C.
Application June 19, 1947, Serial No. 755,780
9 Claims. (Cl. 28—19)

3. That method of stripping a roving from a yarn package which comprises supporting the package for rotation, passing the free end of a roving through a restricted member, forcing compressed air through the restricted member to unwind the roving from the package and to disintegrate the roving to convert the roving into fibrous bulk form.

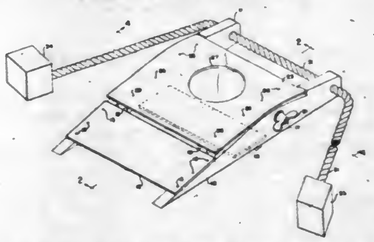


2,453,604
METHOD OF MAKING PROSTHETIC ARTICLES
Adele Tenenbaum and Milton Tenenbaum, Jamaica, N. Y.
Application April 7, 1945, Serial No. 587,054
8 Claims. (Cl. 18—47.5)



1. The method of making prosthetic articles utilizing a reversible rubber mold which comprises applying a layer of latex upon the exterior surface of the reversed mold, applying a layer of a first coloring matter upon localized areas of said first coat of latex, said areas being in conformance with those having said coloration in the article simulated, applying a sealing coat of latex over the coloring matter and the underlying latex layer, applying a second coloring matter in localized areas in accordance with such second coloration in the article simulated, applying a sealing coat of latex over said second coloring matter and the underlying latex layer, reversing the mold to thereby make the applied latex layers lie on the interior surface of the mold, the last applied layer being innermost, applying an additional plurality of latex layers to the interior surface of the structure, stripping the mold from the structure and vulcanizing the thus formed composite structure.

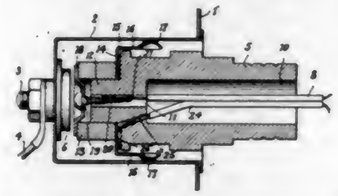
2,453,605
INDOOR GOLF PUTTING PRACTICE APPARATUS
Leon C. Thomas, Greensboro, N. C.
Application March 19, 1947, Serial No. 735,726
3 Claims. (Cl. 273—35)



1. In a golf putting apparatus, a pair of bars disposed in spaced relation to each other, means secured between the bars for holding them in

fixed relation, a pair of bars pivotally secured on the proximate surfaces of the first two bars and having a sheet member secured to their upper surfaces, the lateral edges of the sheet member overlapping the upper edges of the two first-named bars, the sheet member having a hole therethrough, one end of the first-named bars being sloped to a point and adapted to be inserted beneath the edge of a carpet, rug and the like and a flexible member secured to the rear ends of the two first-named bars and having anchoring members secured to the free ends thereof so that the flexible member may be extended laterally on each side of the golf-putting device and in spaced relation to the front portion thereof.

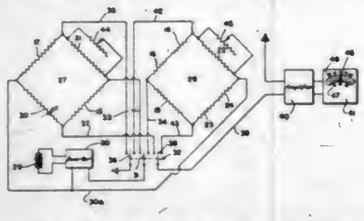
2,453,606
AUTOMOBILE TROUBLE LIGHT
Vincent S. Ward and Gordon K. Hurlbut, Binghamton, N. Y., assignors, by mesne assignments, to B M C Manufacturing Corporation, Binghamton, N. Y., a corporation of New York
Application April 12, 1946, Serial No. 661,529
1 Claim. (Cl. 173—361)



In an appliance of the character described, a plug having a body composed of a pair of tubular sections of insulating material, the first of said sections constituting a body section, said first section having a part fitted within a part of the other section, a ring-like metal contact member fitted around the first section and presenting a peripheral surface for contact with the interior wall of a cigar-lighter socket of an automobile, a two-wire cord extending through the body of the plug, the first section having an aperture through one of its walls and through which the bared end of one of the wires in said cord is passed to be thereby disposed between the outside of the body section and an inner surface of said metal ring, a resilient contact disk mounted at the forward end of the plug, the second section of the body plug being interposed between said ring and contact member a screw extending axially of the plug and threaded into one of the body sections for holding the contact disk and second section in place, the second wire of the cord having a bared end electrically connected to the disk by means of said screw.

2,453,607
CENTER OF GRAVITY LOCATION INDICATOR
Meredith C. Wardle, Buffalo, and Donald J. Howard, Akron, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application June 6, 1944, Serial No. 539,016
3 Claims. (Cl. 73—65)

3. In an aircraft having first and second ground load support means spaced in opposite directions from the aircraft center of gravity, each of said support means being subject to strains proportionate to the loads borne thereby, the combination therewith of means for indicating the location of the aircraft center of gravity in the direction of such spacing of said support means, said indicating means comprising: a plurality of electrical resistance type strain gages secured to said support means to be strained thereby according to the load induced strain in the support means, a Wheatstone bridge circuit having in opposite arms thereof such strain gages secured to said first support means and having in the other two arms thereof such strain gages secured to said



second support means; a source of electric current connected across opposing arm junctions of said bridge; a current amplifier connected across the other opposing arm junctions of the bridge to receive and amplify the bridge current output; and an indicator connected to the amplifier and responsive to the curent output of the latter for reflecting the location of the center of gravity of the aircraft.

2,453,608
CELLULOSE ETHER COMPOSITIONS
Herbert J. West, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 26, 1941, Serial No. 408,345
2 Claims. (Cl. 260—15)

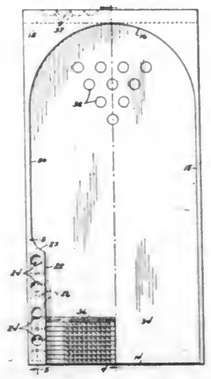
2. The process of rendering water-soluble ethers of cellulose substantially water-insoluble, which comprises preparing an aqueous solution of about 4 parts of a water-soluble cellulose ether with about 1 part of methyl ether of polymethylol melamine, and heating in the presence of an acidic hardening catalyst.

2,453,609
AREAWAY WALL
Irving P. Whitehouse, South Euclid, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application November 17, 1944, Serial No. 563,829
1 Claim. (Cl. 189—1)



A horizontally corrugated areaway wall having vertical end edges and slots near the end edges thru inwardly extending corrugations, and a plurality of clips for attaching said wall to and pressing said edges against a fixed wall, each of said clips including a clamping portion extending thru one of said slots, bearing against the inner convex side of the corrugation above and below its crest and spanning the outer concave side of said corrugation, and a securing portion extending laterally from the clamping portion between said slot and the adjacent end edge of the metal wall and close to that edge.

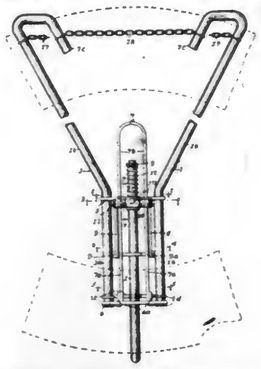
2,453,610
BOWLING GAME BOARD
Jess Willard, Minot, N. Dak.
Application October 17, 1944, Serial No. 559,014
1 Claim. (Cl. 273—37)



A toy bowling game comprising an oblong-shaped game board simulating a bowling alley, said game board having side walls with the inner surfaces of the far ends thereof curving inwardly and together describing a semi-circle at the far end of the board, the opposite end of said board being open, the end of one of said side walls at the open end of the game board having a wide portion of greater width than the width of the wall end and having ball-receiving recesses in the upper surface and pin-holding recesses in the inner side surface, said wide portion having an arcuate inner end merging with the adjacent inner surface of the side wall for directing balls traveling along the wall toward the opposite corner of the board, the upper surface of the far end of said board having a plurality of circles thereon positioned in a triangle to represent ten pins on a bowling alley, and a stationary foot-piece on the underside of the game board transversely positioned across the far end of the board for supporting the far end of the game board whereby the board slopes downwardly and forwardly to facilitate the return of balls rolled toward the pins in said far end back to the open end of the board by gravity.

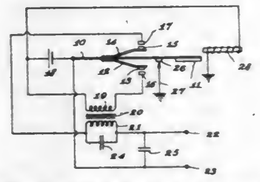
2,453,611
ANTISKID DEVICE
Eric H. Zimmer, Wyckoff, N. J.
Application November 8, 1946, Serial No. 708,706
4 Claims. (Cl. 152—225)

1. An anti-skid appliance for vehicle wheels comprising an assembly to span the wheel, said assembly including a first part having an inner and an outer end, a plurality of elongated members projecting generally radially from the outer end of such first part, said members having hooks on their outer ends to engage over the wheel tread, and a second part slideably mounted on the first part, said second part comprising an elongated member projecting in a direction generally opposite from the first named members carried by the first part, said last named member having a hook on its outer end to engage over the wheel tread, the inner end of the last named member projecting through the first part of the assembly, and toggle linkage means connected between the inner ends of the first and second parts of the assembly to move the first named elongated hook bearing members on the first part toward and away from the elongated hook bearing member on the second part to cause the hooks to engage the wheel tread and to be disengaged from the wheel



tread by straightening and collapsing the toggle linkage means, respectively, and a compression spring between the toggle and the second part, whereby the hooks are yielding engaged with the wheel tread.

2,453,612
VIBRATOR POWER SUPPLY
Robert J. Aust, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application April 14, 1944, Serial No. 531,091
2 Claims. (Cl. 171—97)

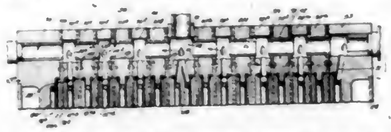


1. A vibrator power supply system comprising in combination a vibratory reed having vibratory interrupter and rectifier contacts mounted on opposite sides thereof, stationary interrupter and rectifier contacts arranged for cooperation with the corresponding vibratory contacts, a step-up transformer having a primary and a secondary winding, connections between said transformer and said contacts to alternately connect the said primary winding to a source of low-voltage current and the said secondary winding to an output load whereby said secondary winding will be loaded during the "break" cycle of the said primary winding, and electromagnetic driver means energized from said source and under the control of said reed for maintaining the reed in vibration.

2,453,613
SANITARY FILTER
Daniel R. Babbitt, San Francisco, Calif., assignor to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon
Application April 26, 1945, Serial No. 590,395
4 Claims. (Cl. 210—188)

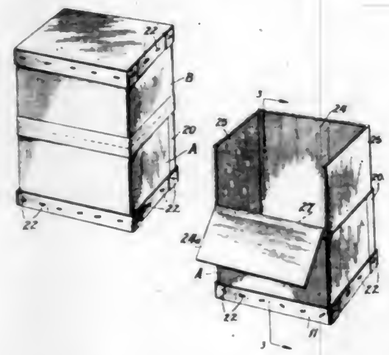
2. In a sanitary filter structure, a filter unit which, in combination with the co-acting part of the filter structures, is adapted to grip the marginal portion of a filter medium, said filter unit

comprising screen plates, a metal frame provided with a through bore of circular shape, a counterbore at each end of said frame for supporting a screen plate, and an annular groove extending axially into each end of the metal frame and spaced radially of the counterbore in concentric relationship to the through bore, the frame end surface between the annular groove and the counterbore providing a clamping surface for said filter medium, the counterbores at opposite ends of the frame being separated by a portion of the frame extending inwardly in a radial direction and providing annular shoulders at the inner ends of the counterbores, the screen plate in each counterbore engaging one of said annular shoulders and being carried by said frame, the axial surface of each counterbore being provided with an annular groove concentric with the through bore, a resilient spring member located in each of the counterbore grooves, each of said spring members extending inwardly toward the through bore from one of the grooves sufficiently to overlap the margin of the screen plate and retain it in the frame and against one of said shoulders, each of said resilient spring members also being provided with a flat surface on the side engaging the screen plate and with an outwardly diverging surface on its opposite side for wedge-like engagement in the groove.



4. In a sanitary filter press assembly including a supporting structure consisting of a pair of pedestals joined by a plurality of tie rods, a filter press structure carried by said tie rods and comprising a pair of end press plates, the said end press plates being provided with projecting slotted lugs engaging a plurality of said tie rods for supporting the press plates, each press plate also being provided with a conduit adapted to be used as a fluid inlet or outlet, and each press plate having therein an annular counterbore terminating near a wall and defining a substantially circular recess between the end of the counterbore and said wall, a plurality of perforated circular screen plates, each of said perforated screen plates fitting into the counterbore of each press plate and covering the adjacent recess, the axial surface of the counterbore of each press plate also having an annular groove therein concentric with and spaced from the wall, and a spring wire located in said groove in each press plate for holding each screen plate in place against the end surface of the counterbore, there being also a plurality of open metal screen frames located between said press plates, each of said open screen frames having a through bore and being provided at each end of the through bore with a plane annular thrust face, and a screen plate located against each thrust face, annular grooves in said frames adjacent each of said thrust faces and concentric with the through bore, the latter screen plates being secured against the thrust faces by resilient members sprung into the annular grooves in the open screen frames, spirally formed spacers between the screen plates of each screen frame, and there being a filter medium between each end press plate and the adjacent open screen frame and between each pair of screen frames, the open screen frames being separated into two series by a separator plate disposed between the screen frames of the series, said separator plate being integrally constructed to provide an annular side wall, a partition wall extending across the through bores of the screen frames of the filter press assembly and a conduit outside of the side wall, and fluid passages in said press plates and separator plate connecting said conduits to said recesses and the spaces adjacent said screen plates on opposite sides of the partition wall, the said conduits being connected and arranged for fluid flow first through a plurality of filter media supported by the screen frames and press plates on one side of the separator plate, then through the conduit of the separator plate, and thereafter through a plurality of filter media supported by frames and plates on the other side of the separator plate to provide two stages of filtration.

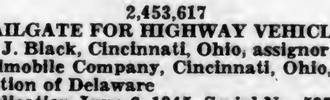
2,453,614
EASY PACKING CONTAINER
Jack Russell Belsinger, Atlanta, Ga., assignor to Belsinger Inc., Atlanta, Ga., a corporation of Georgia
Application May 15, 1946, Serial No. 669,750
2 Claims. (Cl. 229—23)



1. A shipping container comprising a relatively tall tubular upright liner defined by a plurality of side wall panels extending substantially throughout the entire length of the container, and upper and lower outer closure sections telescopingly engaging over the opposite end portions of the liner and of such depth as to extend into substantially abutted relation approximately midway the height of the liner, substantially all of one of the liner wall panels above the upper edge of said lower closure section being free to swing outwardly to provide an access opening in the side wall above said lower closure section and adapted when swung to closed position to complete the liner and be covered by said upper closure section when the latter is applied to the upper end portion of said liner.

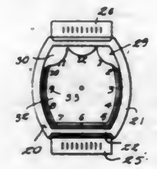
2,453,615
TINSEL WIRE CONNECTOR
Martin D. Bergan, Westfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application August 10, 1946, Serial No. 689,648
2 Claims. (Cl. 173—269)

2. A preformed article of manufacture constituting an electrical terminal for attachment to an insulated cable having a conductor core, said terminal formed of one piece of sheet metal bent back upon itself to form two superposed sections in firm flatwise abutting relation to form a tongue of a double thickness of material at one end of the terminal, the free end of one section terminating in a sleeve open at opposite ends, the free end of the other section terminating in a prong



extending axially into the sleeve, said sleeve being axially offset from the tongue and providing at the point where the sleeve joins with the tongue a Z-bend to form a stop for limiting the insertion of the cable into the sleeve end of the prong into the conductor core.

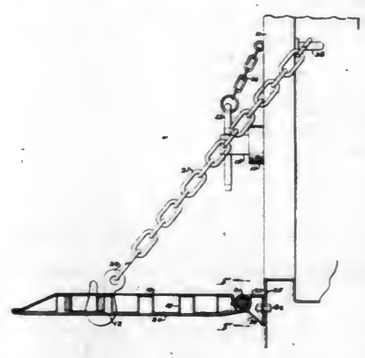
2,453,616
WATCH BEZEL
Leo Berstell, Waterbury, Conn.
Application June 6, 1944, Serial No. 538,942
1 Claim. (Cl. 58—91)



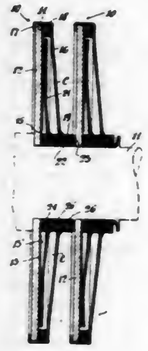
A watch bezel consisting of a metal frame shaped to provide a concavo-convex body, of narrow cross-section, with spaced longitudinal side strips and with a pair of integral end cross strips joining the longitudinal strips, the end strips being secured to the longitudinal strips inwardly of the outermost ends of the longitudinal side strips so that four corner lugs are provided integrally by said side strips projecting beyond the end strips, a countersunk segmental crystal seat-forming strip formed upon the side and end strips and extending between the convex and concave sides of the body with its perimetral edges spaced inwardly from the perimetral edges formed by the end and side strips of the segmental body, one of the end portions of the countersunk strip being made wider than the other end portion thereof, the end strips of the body proper extending transversely of the body in back of the countersunk strip flush with the concave side of the body.

2,453,617
TAILGATE FOR HIGHWAY VEHICLES
James J. Black, Cincinnati, Ohio, assignor to The Trailmobile Company, Cincinnati, Ohio, a corporation of Delaware
Application June 6, 1945, Serial No. 597,794
8 Claims. (Cl. 296—57)

6. A tailgate for highway vehicles comprising a corrugated metal plate forming a section for said tailgate, the corrugations in said plate extending transversely of the vehicle body, a plurality of hinge straps extending across the under surface of the corrugated plate transverse of the corrugations to provide cross bracing for said inner plate, the ends of said hinge straps being adapted to be pivotally secured to the vehicle body and a substantially flat upper plate disposed on the upper surface of the corrugated plate to provide a smooth loading surface, said plates and straps being entirely formed from metal and being integrally welded together to form a substantially light and strong unitary structure braced in both directions.



2,453,618
MECHANICAL SEAL FOR SELENIUM RECTIFIER CELLS
Sol Blumenthal, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application December 29, 1945, Serial No. 638,049
4 Claims. (Cl. 175—366)

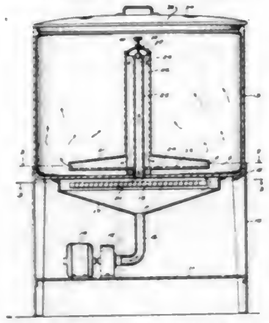


1. A sealed dry disc rectifier cell comprising a supporting shaft, an apertured metal rectifier disc mounted on said shaft and having an active surface for current rectification, means including an annular apertured cap with a main body portion and an outer flange, said flange being used for sealing the peripheral portions of said rectifier disc, a resilient contact washer for engaging said active surface mounted on the shaft between the rectifier disc and said body portion of said cap, said contact washer having a portion extending through the aperture in said cap for contact with an adjacent rectifier disc, and means associated with said shaft for providing a seal between an inner portion of said rectifier disc, the portion of said cap adjacent said aperture, and the contact washer adjacent said aperture whereby the active surface of the rectifier cell is enclosed within a sealed chamber.

2,453,619
1,3-DIKETONES
Alva C. Byrns, Los Altos, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application August 2, 1944, Serial No. 547,807
10 Claims. (Cl. 260—586)

1. A process for the preparation of 1,3-diketones which comprises reacting a mono-olefin with diketene in the presence of an acylation catalyst.

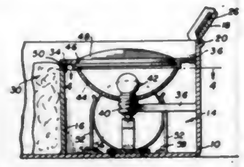
2,453,620
WASHING MACHINE
Clarence D. Cathey and Jesse E. Miller, Checotah, Okla.
Application November 1, 1944, Serial No. 561,424
1 Claim. (Cl. 68—183)



In combination with a washing machine including a receptacle for clothes and water, a vented closure cover therefor, a source of power, an air blower operable thereby having a discharge air duct terminating in a conical receptacle underlying the major portion of the bottom of said receptacle and secured thereto, a heater for the air disposed in said conical receptacle positioned immediately below said receptacle bottom and underlying the major portion thereof, means for directing said heated air into said receptacle adjacent its base including a tube extending through the bottom of said receptacle terminating adjacent the top thereof, said tube being open at its upper end and communicating at its lower end with said conical receptacle, a sleeve closed at its upper extremity extending downwardly about and spaced from said tube and communicating at its lower end with a pair of outwardly extending spaced baffle plates, a plurality of radially extending vertical baffle plates disposed between said first mentioned baffle plates, and means for controlling the quantity of air admitted to said receptacle including a valve seat in the upper end of said tube and a valve therefor adjustable exteriorly of said sleeve.

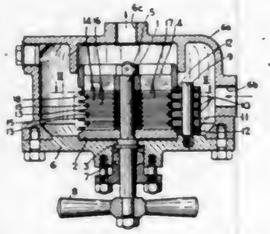
2,453,621
ILLUMINATED COMPACT
Orville W. Chinn, Lexington, Ky.
Application April 24, 1947, Serial No. 743,505
1 Claim. (Cl. 240—6.45)

In an illuminating compact the combination of a case, a first chamber in said case adapted to receive cosmetics therein, a second chamber in said case, a hingedly mounted lid thereover, a plurality of dry cells spaced apart and located in said second chamber, friction clamps for securing said cells in said second chamber, a socket located between the cells and adapted to receive an illuminating means in said second chamber, a transparent member on said lid and in alignment with said socket, an electrical circuit in said second chamber, a manually operated circuit breaker secured to said lid and forming a part of said electrical circuit, a bracket attached horizontally to said case and supporting said socket, a block of insulating material in said second



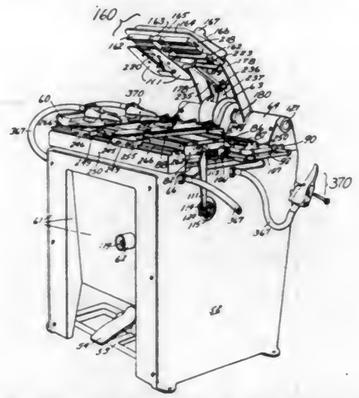
chamber and between the cells; said circuit including a resilient contact attached to said block and engaging one of said cells and one contact of said socket and a second resilient contact mounted on said block and engaging the second contact of said socket and the other cell, and closure means on said case having latching means thereon.

2,453,622
STRAINING OR FILTERING APPARATUS FOR LIQUIDS
Leonard Walter English, London, England
Application December 1, 1944, Serial No. 566,203
In Great Britain December 3, 1943
5 Claims. (Cl. 210—152)



1. In a strainer for liquids comprising a straining wall consisting of a plurality of similarly shaped and similarly disposed plane filter elements mounted side by side in parallel relation on a carrier and each having a hole therethrough, separating means between adjacent elements to space them apart and form endless peripheral slots through which the liquid flows between the exterior and interior of the straining wall in a direction substantially parallel with the plane faces of the elements of the latter, scraper means separate from the elements and permanently in engagement with the straining wall, and means for producing relative movement between the straining wall and the scraper means, the construction in which any pair of adjacent filter elements are of different sizes and the leading edge of the one element of the pair, considered in the direction of flow of the liquid through the straining wall, is of the same dimensions as the trailing edge of the other element of the said pair, considered in the same direction, so that the peripheral slot between the elements of the said pair is defined solely by the said edges which are located in a common plane normal to the plane faces of the elements, and in which the scraper means comprises a plurality of elements each contacting at least one of the slot-defining edges of a pair of adjacent filter elements and extending across but not into the slot between the said adjacent elements.

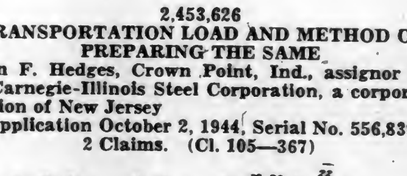
2,453,623
INFOLDING METHOD AND MACHINE
Alfred G. Gilbert, South Acton, and William H. Rogers, Jr., Malden, Mass., assignors to Reece Folding Machine Company, East Cambridge, Mass., a corporation of Maine
Application June 2, 1945, Serial No. 597,190
44 Claims. (Cl. 223—38)



1. The method of infolding and pressing cloth or like blanks in a machine having a bed to support each blank and a lowerable and liftable die adapted to descend upon and thereby define the blanks resting on the bed and a set of one or more movable folders operable above the bed; such method comprising, placing each blank in position upon the bed, defining the folds to be formed by lowering the die in position upon the blank, and forming the blank margin or margins into folds by moving inwardly the folders over the die edges; characterized by next relieving the blank body of frictional pressure between the bed and the die by slightly lifting the die parallelly from the bed; and then freeing the blank folds from occupation by the die by extracting the die from beneath the blank margins and folders for its extensive uplift above the bed, squeezing and fixing the blank folds by depressing the folders to bear upon the folds and applying high pressure between the folders and bed, and finally releasing the blank for removal by relieving the squeezing pressure and then retracting outwardly the folders.

2,453,624
ELECTRICAL CONTROL CIRCUIT
Paul Glass, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1945, Serial No. 580,261
12 Claims. (Cl. 175—363)

1. An electrical control circuit comprising a signal input circuit having two sets of output terminals and operable to produce at each set of output terminals a direct current which at zero signal is equal at both sets of terminals and is above zero in magnitude and upon increase in signal magnitude increases in magnitude at one set of terminals and decreases correspondingly at the other set of terminals, increase or decrease of the output current at a set of terminals being dependent upon the sign of the signal, a saturable reactor circuit comprising a pair of saturable reactors each having a pair of A. C. coils and a control coil wound on a common core, the A. C. coils being so arranged as not to induce an A. C. voltage in the associated control coil and said control coils being connected one to each set of output terminals of said input circuit, and a supply circuit for an



A. C. load adapted for connection to a source of alternating current, the A. C. coils of said reactors being connected in the supply circuit to form with the load separate circuits each including the A. C. coils of one reactor reversely connecting the load in said supply circuit, and a full wave rectifier circuit connected to form the load for said supply circuit and having output terminals for the connection of a D. C. load thereto, the output of said rectifier circuit varying in sign and magnitude with the input signal.

2,453,625
PROCESS OF PREPARING AND PACKING MENHADEN FOR MARKETING
George T. Harrison, Tilghman, Md.
No Drawing. Application May 18, 1944, Serial No. 536,197
1 Claim. (Cl. 99—188)

The method of preparing and packing menhaden for marketing which comprises washing cut portions of menhaden in hot water at approximately 212° F. and raising the temperature of said cut portions of menhaden to approximately 212° F., violently cooling the cut portions of menhaden through a temperature of approximately 162° F., centrifugally acting upon the cut portions of menhaden while maintaining the temperature thereof at approximately 50° F. for freeing the fleshy portions of the menhaden from the skin, scales and oil, grinding the fleshy portions of the menhaden to small particles, filling containers with the small particles of menhaden substantially free of skin, scales and oil, and cooking the small particles of menhaden in the containers for producing a solid mass of fleshy menhaden substantially free of skin, scales and oil.

2,453,626
TRANSPORTATION LOAD AND METHOD OF PREPARING THE SAME
Don F. Hedges, Crown Point, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application October 2, 1944, Serial No. 556,839
2 Claims. (Cl. 105—367)



2. A transportation load of a plurality of bundles of slightly flexible heavy strips or the like

which extend longitudinally of a railway car with one end extending unsupported therefrom, comprising three cross timbers of varying thickness fastened to the floor of the car, the center cross timber being of less thickness than the average of the end cross timbers, a plurality of layers of the bundles resting on said cross timbers with their ends extending from the car at the end having the thickest cross piece, said bundle sagging in the middle so as to raise the overhanging end thereof, vertical separators between the bundles in each layer, horizontal separators between each layer adjacent the vertical separators, and straps around the load close to each set of separators.

2,453,627

2 - SUBSTITUTED - 3, 4 - DIAMINO - FURAN URETHANS AND DERIVATIVES THEREOF

Klaus Hofmann, Pittsburgh, Pa., assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application March 27, 1945, Serial No. 585,193
10 Claims. (Cl. 260—345)

1. The 2-substituted furan compounds of the formula

$$\begin{matrix} R_2OOCHN \\ \\ R_2OOCHN \end{matrix} \!\!> X-(CH_2)_x-R_1$$

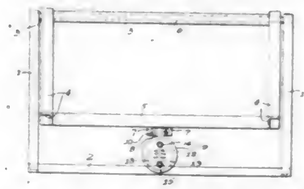
wherein X is a nucleus selected from the group consisting of the furan and tetrahydrofuran nuclei, the R_2OOCHN— groups being severally attached in the 3 and 4 positions of the said nucleus and the $-(CH_2)_x-R_1$ group being attached in the 2-position of the said nucleus, x stands for one of the integers 1, 2, 3, 4, 5 and 6, R_1 stands for a member selected from the group consisting of hydrogen, hydroxyl, carboxyl, carboxylic acid ester groups and carboxylic acid amide groups, and R_2 stands for a member selected from the group consisting of alkyl, aralkyl and aryl.

2,453,628

BOAT HOIST

Orille F. Hook, Pontiac, Mich.

Application November 16, 1944, Serial No. 563,648
2 Claims. (Cl. 214—1)



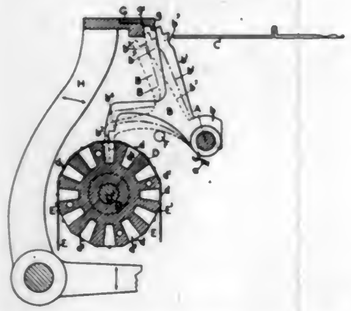
2. A boat hoisting and tipping device comprising an approximately L-shaped frame structure, an approximately L-shaped cradle structure pivotally connected thereto to swing upward therefrom, said frame and cradle structures having approximately horizontal portions arranged to be submerged in shallow water and approximately vertical portions extending upward therefrom, and a fluid pressure motor disposed approximately horizontally between the horizontal portions of said frame and cradle structures in the lowered position thereof and having a cylinder member and a piston member, one of said members being pivotally connected to said frame structure and the other member being operatively connected to said cradle structure remote from the pivotal connection of said cradle structure to said frame structure, said members being pivotally connected respectively to said frame structure and said cradle structure adjacent the junctions of their horizontal and vertical portions.

2,453,629

PATTERNING MECHANISM OF FLAT SINGLE BED KNITTING MACHINES

Gustav Huber, Cleator, England, assignor to Kangol Wear Limited, Cleator, England, a company of Great Britain

Application October 24, 1946, Serial No. 705,327
In Great Britain November 6, 1945
3 Claims. (Cl. 66—76)



1. Controlling mechanism for the knitting needles of a flat bed knitting machine of the type used for knitting berets and similarly shaped articles, said mechanism comprising a series of pivotally mounted two armed levers one end of each lever being normally adjacent to the end of a needle, an intermittently rotated cylinder having a plurality of longitudinal grooves spaced at equal distances apart around its periphery, a series of flats arranged as an endless band passing over the said cylinder, the width of each flat being equal to the pitch of the grooves in the periphery of the cylinder, means for registering the flats over the grooves in the cylinder as each groove is below the opposite ends of the two armed levers to the ends adjacent to the needles, each flat being provided with transverse patterning slots through which the end of each two armed lever corresponding to a needle not to be operated according to the pattern will fall into the groove in the cylinder to remove the other end away from the end of the needle and a bar having a to and fro movement which engages the two armed levers which have remained stationary through their ends not falling into the groove in the cylinder and causes them to operate the corresponding needles.

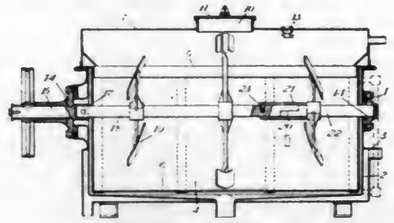
2,453,630

PRODUCTION OF GELATIN OR GLUE FROM HIDES AND OTHER COLLAGEN OR OSSEIN-CONTAINING MATERIALS

Joseph Kenyon, Barnes, London, and Victor Silberstein, Kensington, London, England, assignors of one-third to Hatim Attari, London, England

Application August 22, 1945, Serial No. 612,073
In Great Britain March 12, 1943
3 Claims. (Cl. 260—118)

1. The process of extracting gelatin or glue from collagen or ossein-containing materials having a fat or wax content which comprises treating the material with a dilute solution of caustic alkali of the order of 1 to 5 parts per thousand of water at a stabilizing temperature not substantially above 6° C. while maintaining the material



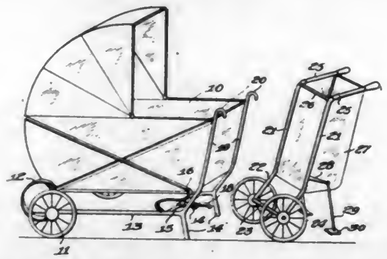
in motion in a finely divided state in the alkali solution to effect saponification and emulsification of the fats and waxes, bleaching the resulting defatted and de-waxed material, and extracting the glue or gelatin therefrom.

2,453,631

COMBINATION BABY CARRIAGE AND SHOPPING CART

Jack M. Leser and Norman Louis Severeign, Milwaukee, Wis.

Application April 11, 1946, Serial No. 661,220
8 Claims. (Cl. 280—34)



1. In combination, a body carriage having a frame, said frame being provided with a ground-engaging pair of wheels at one end and a pair of downwardly opening hooks at the other end, and a shopping cart including a frame having a cross-bar engageable in said hooks and having a pair of wheels adapted to form the second pair of wheels for the combined vehicle upon engagement of said hooks and cross-bar.

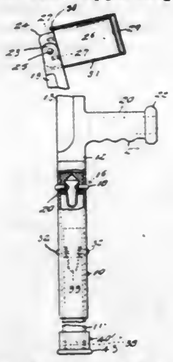
2,453,632

CRUTCH

Anders R. Lofstrand, Jr., Silver Spring, Md.

Application October 15, 1945, Serial No. 622,338
3 Claims. (Cl. 135—50)

1. A crutch comprising an elongated supporting member formed of a pair of telescoping tubular rods, an elongated supporting bar, a reduced stud on the lower end of said bar engaging in the upper end of the outer of said tubular members, locking pins engaging through said stud and said outer member, said outer member formed with a longitudinal series of transversely aligned openings therein, locking pins engaging through the upper end of the inner of said tubular members and in selected openings of said outer tubular member securing said members in selected adjusted position, an obtusely disposed upper portion on said supporting bar, and a split



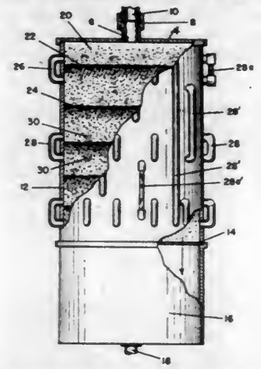
arm supporting sleeve rockably carried by said upper portion of said bar.

2,453,633

PROCESS FOR EXTRACTING AND PURIFYING BITUMEN

Victor R. Logan, Brownsville, Ky.

Application October 14, 1946, Serial No. 703,233
6 Claims. (Cl. 196—14)



1. In the process for extracting and purifying bitumen from an aggregate of bitumen-bearing crushed ore, the steps which comprise flowing a solvent for the bitumen through the body of the aggregate until bitumen stratifies horizontally to form at least one hard pan in the body, withdrawing solvent off the top of the hardpan, and introducing the withdrawn solvent into the hardpan near the bottom thereof.

2,453,634

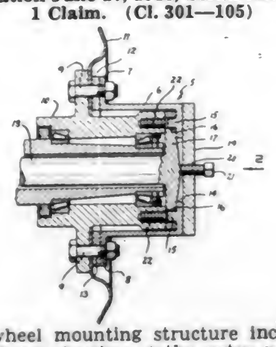
GLYCIDYL ETHERS

Kenneth E. Marple, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 27, 1944, Serial No. 537,729
3 Claims. (Cl. 260—348)

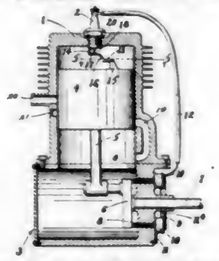
1. A process for the production of a 3,3,5-trialkylcyclohexyl ether of a glycidol which comprises reacting the corresponding 3,3,5-trialkylcyclohexyl ether of a glycerol monohalohydrin with a basic-reacting compound capable of effecting the removal of one mole of hydrogen halide from one mole of the halohydrin ether at a temperature of about 80° C. to about 90° C.

2,453,635
EMERGENCY HUB ADAPTER
Frank B. Martin, Jr., Pensacola, Fla.
Application June 17, 1946, Serial No. 677,325
1 Claim. (Cl. 301—105)



In a wheel mounting structure including an axle shaft terminating at the outer end thereof in a bolting flange formed with a plurality of apertures, a hub, a wheel, and a plurality of studs securing said wheel to said hub, an emergency hub adapter comprising a tubular body, an inturned rim at one end and an out-turned rim at the remaining end of said body, said out-turned rim being secured to said hub by said studs, a plurality of lugs provided on said inturned rim and engaging said apertures, and a clamping screw provided on said body, said clamping screw being engageable with the outer end of said shaft.

2,453,636
LOW-TENSION IGNITION SYSTEM FOR MINIATURE TWO-CYCLE GAS ENGINES
Maurice P. McKay, Troutdale, Oreg.
Application October 31, 1944, Serial No. 561,239
4 Claims. (Cl. 290—1)

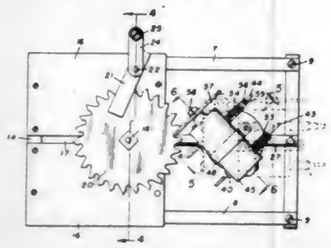


1. In a structure of the class described, in combination, a cylinder, a piston slidable therein, a crank shaft mounted for rotation in a bearing, a crank arm on said crank shaft, said crank arm being in the form of a permanent magnet, an operating connection between the piston and crank arm, a pair of coils mounted on the exterior of the cylinder and having associated cores projecting into operating association with said crank arm.

2,453,637
HYDRATED LIME PRODUCT AND METHOD OF MAKING THE SAME
Leonard John Minnick, Cheltenham, Pa., assignor to G. and W. H. Corson, Inc., Plymouth Meeting, Pa., a corporation of Delaware
No Drawing. Original application July 2, 1943, Serial No. 493,288. Divided and this application December 2, 1946, Serial No. 713,465
8 Claims. (Cl. 106—118)

1. The process of treating a dry finely divided hydrated lime which has been hydrated under super-atmospheric steam pressure and which attains substantially its ultimate properties, including fluid consistency and plasticity, substantially immediately upon mixing with water, which fluid consistency remains substantially the same upon aging with water, to convert said hydrate into a product in dry powdered form capable of forming a gel in admixture with water which gel upon subsequent working reverts to fluid consistency, and to impart other improved properties to said hydrated lime, including an increase in the affinity of said hydrate for water, which comprises mixing with said dry finely divided hydrated lime a dry inorganic carbonate of greater water-solubility than calcium carbonate, at least a substantial portion of which is non-reacted chemically with said dry hydrated lime to provide a product which, when mixed with water, furnishes carbonate ions for reaction with said hydrated lime to form thixotropic-type calcium carbonate on the particles of said hydrated lime and thus impart said properties to the product.

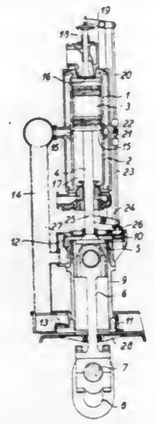
2,453,638
CIRCULAR SAW RECONDITIONING RIG
Albert B. Nietfeld, Fort Laramie, Wyo.
Application June 30, 1947, Serial No. 758,155
3 Claims. (Cl. 76—41)



1. A circular saw reconditioning rig including a supporting frame having parallel longitudinally extending supporting rails, a frame supported on one end of said rails, a work support on said last-mentioned frame comprising spaced bench members having a longitudinally extending guide channel formed therebetween, a saw supporting arbor adjustably supported for movement in said guide channel, pivoted clamping means on one end of said bench member for holding said saw in fixed position, a supporting bar mounted longitudinally of said frames, a motor supporting cradle rotatably and tiltably mounted on said supporting bar, a vise clamp for holding said cradle in fixed position, a motor and grinding wheel detachably mounted in said cradle, and resilient feed means for said motor and grinding wheel.

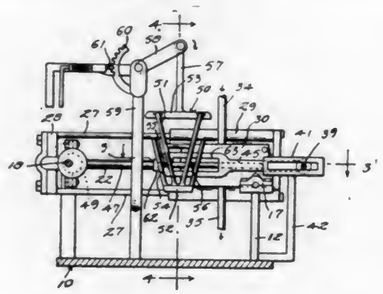
2,453,639
INTERNAL-COMBUSTION ENGINE WITH DOUBLE-ACTING CROSSHEAD SCAVENGE PUMP
Ove Petersen, Gentofte, near Copenhagen, Denmark
Application September 7, 1945, Serial No. 614,926
In Denmark January 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 7, 1964
6 Claims. (Cl. 123—62)

1. In an internal combustion engine, an engine cylinder, a piston in the cylinder and having a piston rod, a pumping cylinder, a pump piston in the pump cylinder and connected with said rod, said pump piston and pump cylinder forming, respectively, a crosshead and guide and the pump cylinder having a pumping chamber on each side of the pump piston, a crank shaft, a



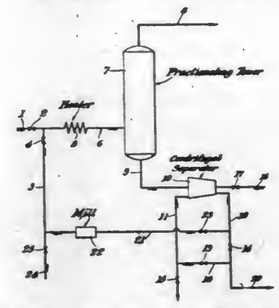
connecting rod connecting the pump piston with the crank shaft, and a partition member receiving and participating in the oscillatory movement of the connecting rod and forming a closure for the adjacent end of the pump cylinder.

2,453,640
VALVE ACTUATION FOR OSCILLATING CYLINDER EXPANSIBLE CHAMBER MOTORS
Archie N. Pigg, Ferndale, Mich.
Application September 12, 1947, Serial No. 773,587
2 Claims. (Cl. 121—63)



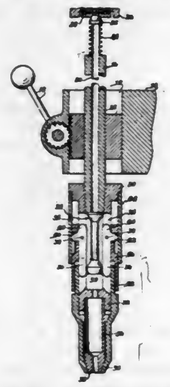
1. A steam engine comprising a base, a cylinder, means rockably mounting said cylinder on said base, a crankshaft rotatably carried by said base, a piston slidable in said cylinder, a piston rod connecting said piston with said crankshaft, a pair of slide rods fixed in parallel relation to said piston rod, a pair of guides for said slide rods carried by said cylinder, a steam chest carried by said cylinder, a valve slidable in said steam chest, a valve shifting rod connected at one end to said valve, a valve operating cam on said crankshaft, said valve shifting rod including a pair of telescoping rod members, and means adjusting said rod members relative to each other to thereby vary the valve position.

2,453,641
METHOD OF PRODUCING COLLOIDAL FUEL
Carl S. Reed, New York, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application February 5, 1944, Serial No. 521,215
2 Claims. (Cl. 196—55)



1. The method of producing a substantially stable colloidal fuel containing pulverized carbonaceous material suspended therein which comprises continuously introducing finely divided coke particles of petroleum origin into a feed stream of reduced crude bottoms, continuously passing the mixture thus formed through a cracking zone, heating the mixture in said zone to a cracking temperature sufficient to deposit some petroleum coke on the said coke particles but insufficient to form a completely dry coke, removing the volatile materials liberated by such heating, separating the thus treated bottoms into a liquid fraction and a coke paste fraction, blending the liquid fraction with an amount of the coke paste fraction sufficient to produce a colloidal fuel of desired viscosity, and continuously recycling a portion of the separated coke paste fraction through a mill and thence into the feed stream of reduced crude bottoms.

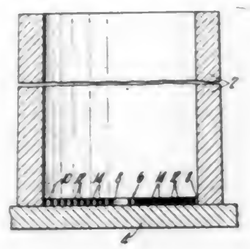
2,453,642
AUTOMATIC CHUCK
Emil Roy, Webster, Mass.
Application August 18, 1947, Serial No. 769,513
6 Claims. (Cl. 279—51)



3. A device of the class described comprising a rotatable and axially movable elongated member, a head thereon, holding fingers on the head, a finger actuator axially movable on the head, an element axially movable with respect to the mem-

ber, means on the head to move the finger actuator, means on the element to operate said first named means as the element is moved relative to the member, means to constantly urge the element in one direction relative to the member, and an abutment to move the element in the opposite direction, said first named means comprising a radially swinging lever, and a connection between the lever and the finger actuator.

2,453,643
METAL TEEMING
William E. Schmertz, Pittsburgh, Pa.
Application November 7, 1945, Serial No. 627,240
1 Claim. (Cl. 22—139)



A chill mat for ingot mold stools comprising a coil formed of a plurality of spaced convolutions of solid sheet steel and spacers formed of solid corrugated sheet steel disposed between said convolutions, said convolutions and the corrugations of said corrugated sheet being closely spaced to form openings sufficiently small to break up a stream of molten steel teemed thereon into small particles and chill the same sufficiently to solidify them and thereby prevent the stream of molten steel from striking the mold stool under the mat, the steel of said convolutions and spacers substantially retaining its identity and shape in the bottom portion of an ingot teemed thereon.

2,453,644
HOT MELT COATING COMPOSITION CONTAINING POLYETHYLENE, TERPENE RESIN, CHLORINATED DIPHENYL RESIN, AND PARAFFIN
Walter C. Steinkraus, Chicago, Ill.
No Drawing. Application December 6, 1945, Serial No. 633 270
4 Claims. (Cl. 260—28.5)

1. A composition for coating webs by hot-melt technique which comprises the following four ingredients in substantially the following percentages, to-wit: polyethylene thermoplastic 20%, hydrocarbon thermoplastic terpene resin 12%, chlorinated diphenyl resin 28%, paraffin 40%.

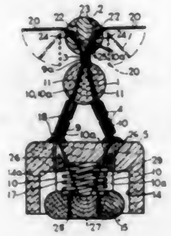
2,453,645
MICROWAVE POWER MEASURING APPARATUS
John W. Tiley, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 30, 1944, Serial No. 551,950
8 Claims. (Cl. 171—95)

1. A device for the measurement of ultra high frequency power comprising a wave guide, an impedance device mounted within said wave guide and arranged so as to produce substantially no reflection of energy, said impedance device comprising a body composed of a material capable of dissipating the energy entering said body, a casing surrounding said wave guide, means for supplying to said casing a flow of air under constant conditions, means for preventing the flow of air forwardly along said wave guide, slotted



apertures provided in the walls of said wave guide for permitting said air to enter therein and to move rearwardly along the wave guide past said impedance element, and thermopile means responsive to the temperature of the air before and after passing said impedance element.

2,453,646
TOY, DISPLAY DEVICE, AND THE LIKE
George M. Tomlin, Flixton, near Manchester, and Harry Burrows, Manchester, England
Application April 9, 1946, Serial No. 660,674
In Great Britain December 4, 1945
1 Claim. (Cl. 46—161)



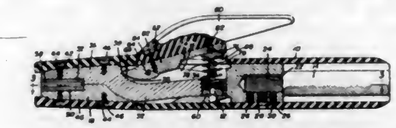
A device of the character described, comprising a plurality of relatively movable parts formed with bores or passages, at least one relatively inextensible flexible element threaded through the said bores or passages to connect the parts together in abutting relation and in a predetermined sequence, means attaching one end of the flexible element to the one endmost part in the sequence, a support abutting against the other endmost part in the sequence, a member movable in relation to the support and having the other end of the flexible element attached thereto, resilient means interposed between the support and the movable member initially to subject the flexible element to tension, a further part mounted on one of the first mentioned relatively movable parts to be movable in relation to the said part but not connected thereto by the flexible element, means operatively connecting the said further part to one end of a second relatively inextensible flexible element, a second member movable in relation to both the first member and the support and having the other end of the second flexible element attached thereto, and further resilient means interposed between the support and the second member initially to tension the second flexible element.

2,453,647
ELECTRIC DISCHARGE TUBE WITH DEFLECTION CONTROL
Adrianus Johannes Wilhelmus Marie van Overbeek, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 2, 1946, Serial No. 666,565
In the Netherlands August 15, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires August 15, 1960
5 Claims. (Cl. 250—159)



1. An electric discharge tube comprising a cathode for generating an electron stream, a pair of anodes, a deflecting member for deflecting the electron stream to one or the other of the anodes according to the potential on said deflecting member, said member comprising a plurality of spaced parts which jointly form a curved surface whose concave side faces the path of the deflected electron stream, and in which a describing line of the enveloping surface of the member forms a right angle with the direction of deflection.

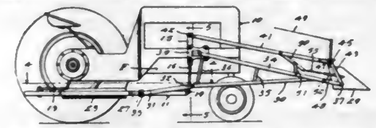
2,453,648
ELECTRODE HOLDER
Henry J. Wagner, Jackson, Mo.
Application December 17, 1946, Serial No. 716,865
5 Claims. (Cl. 219—8)



1. An electrode holder including a tubular handle, a main jaw assembly secured to said handle, an annular channel within the main jaw assembly, a secondary jaw assembly received within said main jaw assembly and an operating element for moving said secondary jaw assembly relative to the main jaw assembly, said secondary jaw assembly including a circular portion at its inner end slidably engaging said annular chamber and a flat jaw at its forward end having a transverse notch, said operating element having a nose engaged in said notch for actuating said secondary jaw assembly.

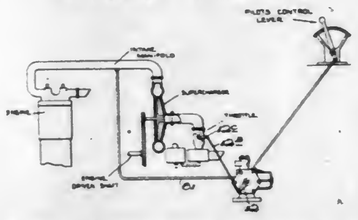
2,453,649
SHOVEL LOADER ATTACHMENT FOR TRACTORS
William V. Warren, Salina, Kans., assignor, by mesne assignments, to The Wyatt Manufacturing Company, Incorporated, Salina, Kans., a corporation of Kansas
Application April 5, 1946, Serial No. 659,937
4 Claims. (Cl. 214—140)

1. In a material handling means, a scoop, means swingably supporting said scoop, means for elevating said scoop, said elevating means including means for maintaining said scoop in approximately horizontal loading position during elevation thereof, releasable latch means for holding said scoop in loading position, and means carried by said elevating means and engaging said scoop active by lowering of said scoop



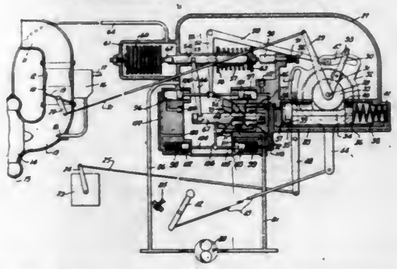
for effecting delayed movement of said scoop from a discharging position to a loading position.

2,453,650
ENGINE CONTROL
Howard A. Alexanderson, Wood-Ridge, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Original application November 4, 1941, Serial No. 417,855. Divided and this application August 22, 1944, Serial No. 550,646
25 Claims. (Cl. 123—103)



1. A control mechanism comprising in combination a floating lever, control means connected to the lever, motor means including a vane, a shaft pivotally supporting said vane, said vane being controlled by the control means, actuating means operatively connected to said lever to affect said control means, and a follow up mechanism between the shaft and the floating lever, including a member mounted at one end of and in eccentric relation to said shaft and operably connecting said shaft and said floating lever, said member directly supporting said floating lever in pivotal relation to said shaft.

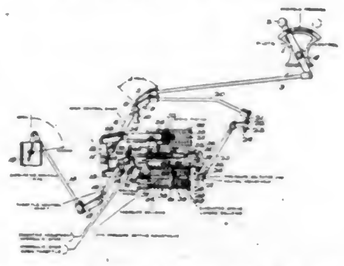
2,453,651
CONTROL FOR INTERNAL-COMBUSTION ENGINES
Frank C. Mock, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 27, 1942, Serial No. 440,669
42 Claims. (Cl. 170—135.6)



1. In a control for an internal combustion engine throttle, a pinion rotatably mounted on a movable member, a pair of independently movable toothed members in engagement with said pinion, means connecting one of said members to

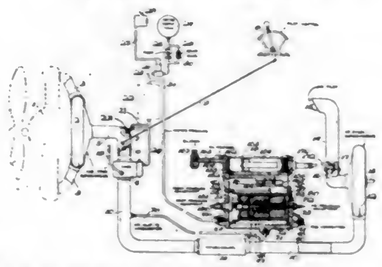
the throttle, manually operable means for actuating another of said members, power means gear connected to the third of said members, and additional means interconnecting said manually operable means and said power means.

2,453,652
THROTTLE CONTROL FOR AIRCRAFT ENGINES
Howard A. Alexanderson, Wood-Ridge, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Continuation of application Serial No. 508,724, November 2, 1943. This application October 31, 1947, Serial No. 783,237
38 Claims. (Cl. 123—103)



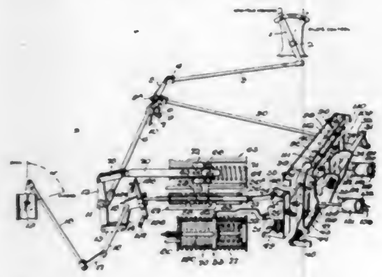
1. A throttle control, comprising, in combination, engine manifold pressure responsive means for automatically adjusting said throttle, manual control means for adjusting said manifold pressure responsive means, stop means for limiting the adjustment of said throttle by said automatic means at a predetermined position of said throttle, connecting means arranged for the adjustment of said throttle by said manual control means without interference from said stop means, means arranged for actuating said stop means into said limiting position upon a predetermined adjustment of said throttle, and separate means for adjusting said stop means so as to vary the predetermined adjustment of said throttle at which said stop means may be actuated into said limiting position.

2,453,653
REGULATOR
Howard A. Alexanderson, Wood-Ridge, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application August 24, 1944, Serial No. 551,036
8 Claims. (Cl. 123—103)



1. A regulator for the induction system of a supercharged aircraft engine comprising, in combination, a first bellows responsive to a first induction pressure condition of the engine, a second bellows responsive to a second operation condition of the engine, spring biasing means interposed between said first and second bellows for biasing said bellows in opposite directions, control means operated by said first bellows in response to said first condition, and said second bellows adjusting the biasing force of said spring means from a first to a second predetermined value in response to said second condition so as to vary the datum of said second first bellows and the setting of said control means.

2,453,654
CONTROL DEVICE AND SYSTEM
Harold Arthur Wheeler, Grand Rapids, Mich., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application August 31, 1945, Serial No. 613,833
19 Claims. (Cl. 123—25)



1. For use with an aircraft engine having a pilot's main control element; a regulator comprising, in combination, condition responsive means for automatically adjusting a control device for said engine, a first control member for adjusting the datum of said automatic means in accordance with a first predetermined program and governed by the position of said main control element, a second control member for alternately adjusting the datum of said automatic means in accordance with a different second predetermined program and governed by the position of said main control element, means for limiting the adjustment of both of said members, and another condition responsive means for selectively placing said limiting means in and out of operative relation with said members.

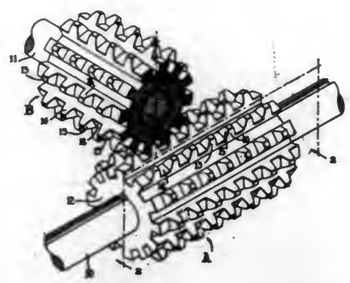
2,453,655
VINYL CARBOXYLATE POLYMERIZATION USING A THIOUREA STOPPER
Harold W. Bryant, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 8, 1948, Serial No. 1,269
15 Claims. (Cl. 260—87)

1. In a vinyl carboxylate polymerization process, the method for controlling the properties of the polymeric product which comprises stopping the polymerization reaction at a predetermined extent of polymerization by adding thereto a thiourea having the formula



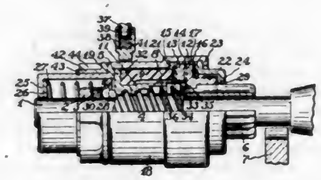
where R and R' represent a radical selected from the group consisting of hydrogen, alkyl and aryl.

2,453,656
RACK AND PINION GEAR MEANS
Edward P. Bullard, III, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application September 15, 1945, Serial No. 616,568
4 Claims. (Cl. 74—422)



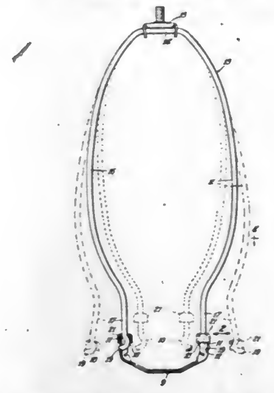
1. A mechanical motion device comprising in combination, a pair of shafts, each adapted to be moved between a plurality of axial positions and to be oscillated at any of said axial positions; and a pair of intermeshing spur gears of substantially identical design on said shafts, each including axially-spaced circumferential rows of teeth having full addendum and dedendum dimensions alternating with axially-spaced circumferential rows of teeth having dedendum dimensions only, the addendum of the teeth of both members intermeshing with the teeth of the other member having dedendum dimensions only.

2,453,657
ENGINE STARTING GEARING
James E. Buxton, Elmira, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware
Application November 27, 1946, Serial No. 712,545
7 Claims. (Cl. 74—7)



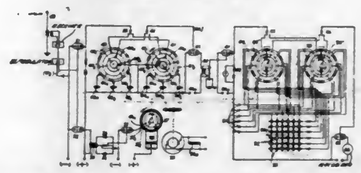
1. In an engine starter drive a power shaft, a screw shaft fixed thereon, a pinion slidably journalled on the power shaft for movement into and out of mesh with a gear of the engine to be started; a flanged control nut threaded on the screw shaft, a block of elastically deformable material seated on the control nut against the flange, a friction clutch member in the path of movement of the elastic block so as to be engaged thereby, a second friction clutch member fixed to the pinion; means limiting the longitudinal movement of the pinion to define its operative position, a frictional connection from the pinion to the control nut to accelerate the control nut when the pinion overruns the drive, and manually controllable means for limiting the backward movement of the control nut when it overruns the screw shaft.

2,453,658
LAMP SHADE HOLDER
Paul Chilo, Chicago, Ill.
Application November 9, 1946, Serial No. 708,980
5 Claims. (Cl. 240—148)



1. In a lamp shade holder, a base having two oppositely disposed upright side members of channel shape, each having an aperture in the U bend thereof and the two apertures being aligned, a harp having two connected together legs, each having a U bend adjacent its end and both being confined in the channels of the side members and bearing against the inner faces of the flanges thereof, said legs terminating in outwardly offset ends seated in the apertures in the side members, and collars adapted to surround the channeled upright portions of the side members and U bends of the legs, whereby to prevent accidental disconnection between the harp and base.

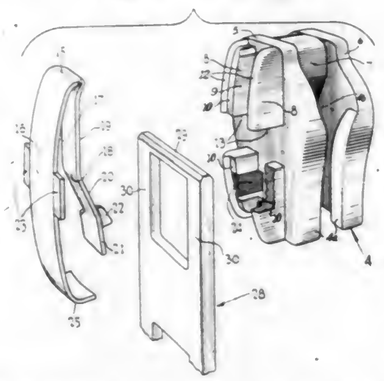
2,453,659
SECRET TELEGRAPH SIGNALING
Henri Jean Joseph Marie de Regnauld de Bellescize, Saint-Germain au Mont-d'Or, Rhone, France, assignor to E. Gutzwiller & Co., Basel, Switzerland, a Swiss company
Application December 21, 1942, Serial No. 469,684
In France September 5, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 12, 1961
7 Claims. (Cl. 250—8)



7. In a telegraph system, a keying device for generating telegraph characters all divisible into successive unit elements having the same given length, means for periodically separating these elements into groups independently of the characters sequences, means for permuting the elements within each group, means for transmitting the series of permuted elements from the sending station to the receiving station, storage means for accumulating each received element over its whole duration substantially so as to derive a final effect from this accumulation, means for individually transforming the said accumulative effects into standard effects by distributing

them among three definite classes according to their values with respect to the limits of these classes, means for separating the series of standard effects into same groups, means for permuting again the effects within each group so as to restore them to their initial order and means for recording the effects.

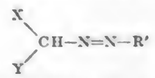
2,453,660
SLIDER FOR SLIDE FASTENERS
Osborne Firing, New Dorp, Staten Island, N. Y., assignor to Talon, Inc., a corporation of Pennsylvania
Application July 28, 1944, Serial No. 546,986
13 Claims. (Cl. 24—205.5)



4. In a slider for slide fasteners having a slider body with a channel arranged therethrough, a spring locking element comprising an elongated relatively thin strip of resilient material bent upon itself so as to provide a pair of spaced-apart portions, means carried by the outer wall of one of the slider wings for attaching one of said portions thereto at a spaced distance therefrom with the other of said portions disposed yieldably between said first mentioned portion and said slider body so as to be movable relative to both said slider body and said first mentioned portion, and a pin portion arranged on the outer free end of said last mentioned portion.

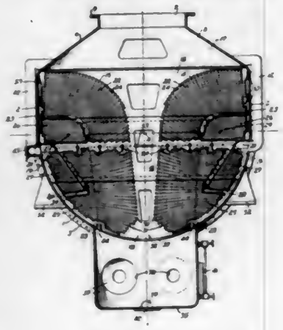
2,453,661
COLORED COUPLERS
Dudley B. Glass, Paul W. Vittum, and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 3, 1944, Serial No. 533,930
9 Claims. (Cl. 95—6)

1. The method of developing a colored image in a silver halide emulsion layer, which comprises exposing said emulsion and developing it with a primary aromatic amino developing agent in the presence of a coupler compound having the formula:



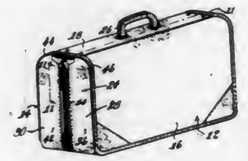
where X and Y are negative groups selected from the class consisting of —COR, —COOR, —COCOR, —COCOOR, —CONHR, —$C_6H_4NO_2$, and —CN, R is selected from the class consisting of alkyl, aryl, and heterocyclic groups and R′ is selected from the class consisting of aromatic and heterocyclic radicals and said coupler compound contains no other reactive CH group, and at the place of the silver image formed by the development, splitting said coupler compound at the azo linkage and coupling said coupler compound where the splitting occurs, with the development product of the primary aromatic amino developing agent.

2,453,662
CONDENSER
Harold M. Graham, Kenmore, N. Y., assignor to Graham Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application March 2, 1944, Serial No. 524,741
4 Claims. (Cl. 257—43)



1. A steam condenser comprising a shell, having a steam inlet at the top and a condensate outlet at the bottom, an interior air manifold along each side of said shell in the central portion, a pair of condenser tube banks mounted in said shell, each bank extending between the ends of said shell along one side, substantially filling said side of said shell from the top to the bottom portions thereof, and extending about the adjacent air manifold to provide a substantial tube bank section in all directions inside said shell from said air manifold through which steam must pass toward said manifold, each bank being formed of a plurality of spaced parallel condenser tubes having a cross-sectional pattern wherein each tube lies in a transverse row and also in an intersecting row, the transverse tube rows radiating from said air manifolds to provide tapering steam passages extending transversely through each bank decreasing in size toward said manifolds, said intersecting tube rows in the central portion and lower end of each bank extending in spaced parallel relation and slightly inclined to the vertical central plane of said shell and the upper ends of said intersecting tube rows curving outwardly in concentric spaced relation into substantially horizontal portions where said intersecting tube rows end adjacent the upper inner sides of said shell, said tube banks being spaced apart in the central portion of said shell and cooperating to form a central funnel-shaped steam lane having a wide upper portion curving inwardly about the inner faces of said tube banks into a narrow and downwardly extending passage in the central portion to the bottom of said shell, said banks being formed to provide outwardly tapering lower inner portions at the bottom of said shell for cooperation therewith to form a central condensate reheating chamber under the lower inner portions of said banks, said tube banks and shell providing the only means forming said reheating chamber in said shell, and said tube banks providing the only obstruction in said shell between said reheating chamber and air manifolds whereby said shell and tube banks cooperate to condense steam in all parts of said banks and provide a higher steam pressure in said condensate reheating chamber than at the steam inlet for heating condensate passing therethrough to a higher temperature than the steam temperature at said inlet.

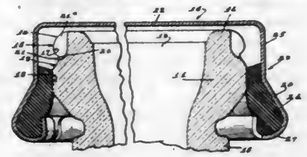
2,453,663
WARDROBE SUITCASE
James Hinson, Waterloo, Iowa, assignor to The Hinson Manufacturing Company, Waterloo, Iowa, a corporation of Iowa
Application March 29, 1946, Serial No. 658,127
1 Claim. (Cl. 190—49)



A wardrobe suitcase including a pair of rigid metal shells, each shell having inner and outer open sides and comprising a U-shaped member having substantial depth as measured between the planes of the inner and outer open sides, the ends of the legs of each U-shaped member opposite the web being connected by a curved partial closure plate, the closure plate having its inner and outer longitudinal edges parallel to the web, the outer longitudinal edge lying in the plane of said outer open side and the inner longitudinal edge lying between the planes of said open sides, an intermediate metal strip hinged to the inner longitudinal edges of the curved closure plates for enabling the shells to be folded together, the combined depth of the intermediate strip and the curved closure members when the shells are folded together being equal to the combined depth of both U-shaped members, the legs of each U-shaped member having lugs stamped therefrom and extending inwardly in a plane substantially parallel with the plane of the respective inner open side, said lugs being adapted to receive an inner container therebetween in the suitcase, said suitcase having a flexible covering extending over the exterior surface of the shells and over the outer open sides.

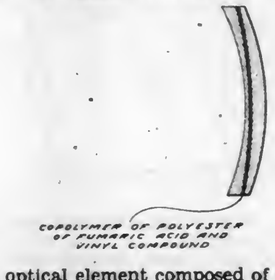
2,453,664
CONTAINER AND CLOSURE THEREFOR
John Hohl, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application January 19, 1946, Serial No. 642,285
5 Claims. (Cl. 215—40)

1. In combination, a container having a generally circular neck defining a filling opening, an annular external bead formed on the neck in close proximity to said opening, there being an annular groove immediately beneath said bead and an annular sealing surface below the groove, venting means extending across the bead into said groove, a closure for hermetically sealing the container including an attaching skirt, a sleeve gasket secured at its lower end to the lower margin of the skirt against bodily sliding movement relative thereto, said gasket adapted under some sealing conditions to contact said sealing surface and under both conditions to engage both the sealing surface and said bead and thereby retain



the closure against axial movement sufficient to break the hermetic seal.

2,453,665
COMPOUND OPTICAL ELEMENT CEMENTED WITH A POLYESTER OF FUMARIC ACID
Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application December 29, 1943, Serial No. 516,097
4 Claims. (Cl. 88—57)



1. An optical element composed of at least two components of different refractive index and a synthetic, clear, substantially colorless thermoset adhesive between said components, said adhesive having an index of refraction of at least 1.5 and being a copolymer of a composition comprising (1) at least 25% by weight of at least one substance containing the $CH_2{=}C<$ group, said substance being a liquid having a boiling point of at least 100° C. and having an index of refraction of at least 1.5 and (2) at least 25% by weight of a compatible, polymerizable, unsaturated alkyd resin which is a polyester of fumaric acid.

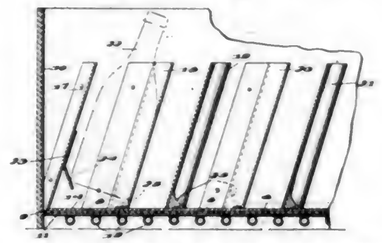
2,453,666
COMPOUND OPTICAL ELEMENT CEMENTED WITH A POLYESTER OF MALEIC ACID
Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application January 21, 1944, Serial No. 519,199
4 Claims. (Cl. 88—57)



1. An optical element composed of at least two components of different refractive index and a

synthetic clear substantially colorless thermoset adhesive between said components said adhesive having an index of a frection of at least 1.5 and being a copolymer of a composition comprising (1) at least 25% by weight of a substance containing the $CH_2{=}C<$ group said substance being a liquid having a boiling point of at least 100 C. and having an index of refraction of at least 1.5 and (2) at least 25% by weight of a compatible polymerizable unsaturated alkyd resin which is a polyester of maleic acid.

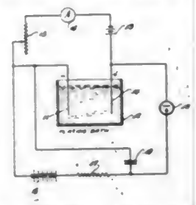
2,453,667
APPARATUS FOR COOLING BOTTLED BEVERAGES
Francis M. Lambert, Narberth, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 19, 1946, Serial No. 648,730
15 Claims. (Cl. 62—141)



1. Bottle retaining means for refrigerated beverage bottle coolers and the like comprising a plurality of retainer members adapted to be disposed in spaced parallel relationship within the cooling compartment of the cooler, each of said retainer members being inclined upwardly at an angle from the vertical, said retainer members each being formed with a plurality of curved portions the concave faces of which face upwardly and are complementary in contour to the side wall of a bottle and provides supporting surfaces for contact with a substantial wall area of each bottle, said curved portions of adjacent retainer members being staggered with respect to each other, each retainer member having an inclined surface on its rear side at the base opposite the concave face of the adjacent retainer member, so that when a bottle is disposed between the retainer members said inclined surface will urge the bottle into intimate contact with the concave face of the retainer member opposite it, each of said retainer members having an integral enlarged flat surfaced base portion providing support for said retainer members.

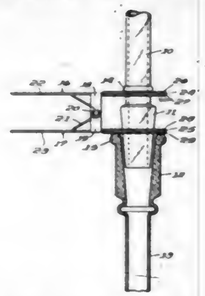
2,453,668
ELECTROLYTIC METHOD FOR THE PRODUCTION OF POROUS, CATALYTIC METAL
Milton M. Marisic and Thomas F. Rutledge, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 2, 1944, Serial No. 538,388
2 Claims. (Cl. 204—49)

1. The process for producing a porous catalytic metallic body consisting of a plurality of alternate layers of dense and porous nickel, which consists in the electrodeposition of nickel by imposing a current having a density of approximately 1.5 amperes per square decimeter across the electrodes of an electrolytic cell containing an aqueous electrolytic bath of 0.30 N. nickel sulfate having a pH between about 4.6 and about 5.5, maintained at substantially room temperature, to effect the deposition of a smooth, dense layer of nickel, simultaneously imposing from a high voltage source, the poles of which are connected to poles of like charge of said electrolytic cell, sudden surges of overvoltage of between about 75 and about 80 volts at intervals of between about



0.5 and about 1 second to produce during the imposition of said overvoltage the deposition of a porous nickel layer, thereby effecting, as a result of said surges of overvoltage upon the steady lower current, an alternate deposition of smooth and porous layers of metallic nickel to yield a resulting composition characterized by high structural strength.

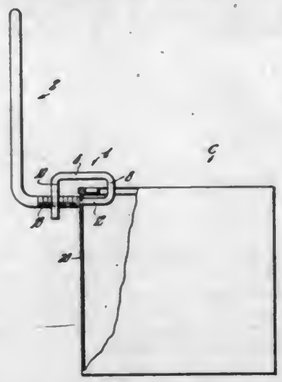
2,453,669
GLASS TUBING JOINT
Hector A. Meneses, Chicago, Ill., assignor to Able Scientific Glass Apparatus Co., Chicago, Ill.
Application June 19, 1946, Serial No. 677,683
8 Claims. (Cl. 285—173)



1. A separable taper joint for glass tubing comprising a first tube having an externally tapered male end, a second tube having an enlarged internally tapered female end, a bead on said first tube adjacent said externally tapered end, a bead on said second tube adjacent said internally tapered end, and adapted to receive means to engage the outer sides of the two beads to pull the tapered ends together and to engage the inner sides of the two beads to push the tapered ends apart.

2,453,670
HOOK
Tage G. Persson, Bloomfield, N. J.
Application March 9, 1946, Serial No. 653,403
2 Claims. (Cl. 248—211)

1. As a new article of manufacture a two-part device for suspending a paint can from the rung of a ladder or the like comprising, a strip of metal formed to provide a clamp having an upper horizontal portion and inner and outer end portions extending downwardly therefrom with a jaw portion extending forwardly from the inner end portion towards the outer end portion, the horizontal portion adapted to overlie the rim of a can wall and the end of the jaw portion adapted to abut the inner side of the can wall below said rim with the outer end portion disposed outside said wall and spaced therefrom, said outer end portion provided with a tapped hole, and a hook



member formed to have a threaded horizontal portion in engagement with said tapped hole and a vertical portion extending therefrom having a curving hook end, the end of the horizontal portion of the hook member and the end of the jaw portion adapted to clamp the wall of a can therebetween.

2,453,671
ALKAMINE ESTERS OF PYRROLE-3,4-DICARBOXYLIC ACIDS
Donald E. Sargent, Easton, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 13, 1946, Serial No. 709,406
6 Claims. (Cl. 260—313)

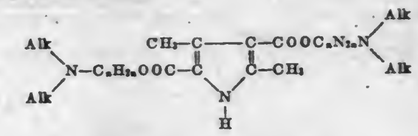
1. Compounds selected from the group consisting of esters of 1-cyclohexyl pyrrole 3,4-dicarboxylic acids with dialkylamino alkanole and addition salts of the esters with strong acids.

2,453,672
ALKAMINE ESTERS OF PYRROLE-3,4-DICARBOXYLIC ACIDS
Donald E. Sargent, Easton, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 13, 1946, Serial No. 709,407
6 Claims. (Cl. 260—313)

1. Compounds selected from the group consisting of esters of 1-dialkylaminoalkylpyrrole-3,4-dicarboxylic acids with dialkylamino alkanol and the acid addition salts of the esters with strong acids.

2,453,673
ALKAMINE ESTERS OF PYRROLE-3,4-DICARBOXYLIC ACIDS
Donald E. Sargent, Easton, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 14, 1946, Serial No. 709,779
4 Claims. (Cl. 260—313)

1. A member of the group consisting of esters of 2,4 - dimethylpyrrole-3,5 - dicarboxylic acids having the formula:



in which n is a positive integer greater than zero and Alk is alkyl, and addition salts of the esters with strong acids.

2,453,674
ALKAMINE ESTERS OF PYRROLE SUBSTITUTED ACRYLIC ACIDS
Theodore F. Scholz, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 14, 1946, Serial No. 709,781
3 Claims. (Cl. 260—313)

1. Compounds selected from the group consisting of esters of 1,2,4-trimethylpyrrole-5-carboxy-3-acrylic acid with dialkylamino alkanols and addition salts of the esters with strong acids.

2,453,675
ALKAMINE ALKYL ESTERS OF PYRROLE-3,4-DICARBOXYLIC ACIDS
Jackson P. Sickels, Plainfield, N. J., and Donald E. Sargent, Easton, Pa., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 13, 1946, Serial No. 709,404
7 Claims. (Cl. 260—313)

1. A compound selected from the group consisting of esters of 1,2,5-trialkyl-3-carbalkoxpyrrole-4-carboxylic acid with dialkylamino alkanols and the addition salts of the esters with strong acids.

2,453,676
ALKAMINE ESTERS OF PYRROLE-3,4-DICARBOXYLIC ACIDS
Jackson P. Sickels, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 13, 1946, Serial No. 709,409
10 Claims. (Cl. 260—313)

1. A compound selected from the group consisting of esters of 1-alkylpyrrole-3,4-dicarboxylic acids with dialkylamino alkanols and salts of the esters with strong acids.

2,453,677
ALKAMINE ESTERS OF PYRROLE-3,4-DICARBOXYLIC ACIDS
Jackson P. Sickels, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 13, 1946, Serial No. 709,410
11 Claims. (Cl. 260—313)

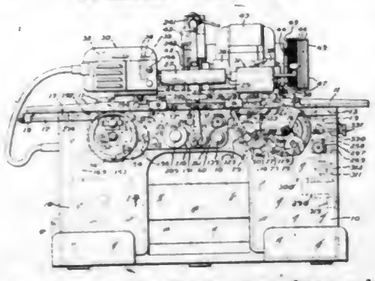
1. A member of the group consisting of diesters of dialkylamino alkanols and 1-aralkylpyrrole-3,4-dicarboxylic acids and salts of the esters with strong mineral acids.

2,453,678

CYLINDRICAL GRINDING MACHINE

Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application June 11, 1945, Serial No. 598,799
11 Claims. (Cl. 51—95)



1. A grinding machine having a base, a longitudinally reciprocable work supporting table, a rotatable grinding wheel, a transversely movable slide therefor, means including a piston and cylinder to move said grinding wheel rapidly to and from a grinding position, means including a fluid motor to produce a grinding feed, control means for said fluid motor to produce a continuous plunge-cut grinding feed of said wheel, control means for said fluid motor to produce an intermittent infeed of the grinding wheel during table reversal for a traverse grinding feed, and a selector valve whereby either of said control means may be rendered operative while the other remains inoperative.

2,453,679

METHOD OF FORMING COMPRESSED WOOD STRUCTURES

Alfred J. Stamm, Raymond M. Seborg, and Merrill A. Millett, Madison, Wis.

No Drawing. Application December 8, 1943, Serial No. 513,470
5 Claims. (Cl. 154—133)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of forming a compressed wood structure comprising subjecting a wood structure having a moisture content from 6 percent to 15 percent, based on the oven-dry weight of the wood, to pressure at an initial temperature from 210° F. to 240° F. until the wood is substantially completely compressed to a specific gravity from 1.3 to 1.4, thereby tending to seal the moisture in the wood in the subsequent heating step, followed by raising the temperature to from 330° F. to 360° F., while maintaining the pressure, and maintaining the temperature so raised for a minimum from 3 to 50 minutes, the higher moisture content requiring the lower temperature and lesser minimum time, the interval of time used being sufficient to cause the lignin-cementing material in the wood to flow, thereby to stabilize the structure against recovery from its compression when wetted.

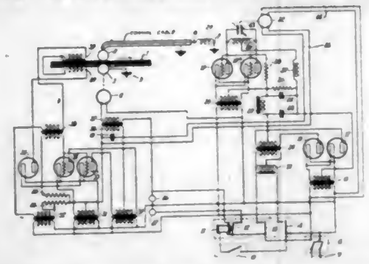
2,453,680

SPEED AND FREQUENCY CONTROL APPARATUS FOR RADIO-FREQUENCY BONDING SYSTEMS

Charles P. Sweeny, Somerville, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application December 7, 1944, Serial No. 567,106
10 Claims. (Cl. 219—47)

7. In an apparatus of the character described, an oscillator, spaced electrodes, means for transmitting the oscillator output to said electrodes to provide a high-frequency electric field gap, an adjustable speed motor, means driven thereby for feeding varying-thickness bondable material



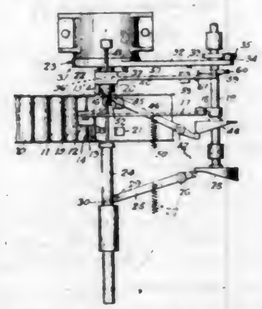
through said gap, means for sensing thickness changes in said material in advance of said gap, motor speed control means, oscillator frequency control means, and means responsive to the sensed material thickness changes adapted to control both said control means.

2,453,681

TUBE PERFORATING MACHINE

Harold F. Temple, Elmont, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York

Application December 14, 1946, Serial No. 716,403
7 Claims. (Cl. 164—108)



1. A perforating machine comprising an annular cam ring having a cam portion on its inner edge, a punch mounted for radial movement relatively to the cam ring and spring-pressed into engagement with the cam portion, means for rotating the ring, and a hollow mandrel arranged axially of the ring and in the path of movement of the punch and comprising a support, a removable perforated sleeve and means for removably securing the sleeve around the support.

2,453,682

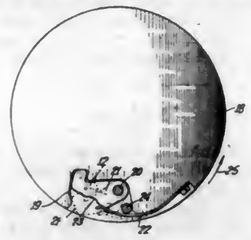
BORE SAFETY DEVICE FOR TIME FUSES

Richard H. Whitehead, New Haven, Conn., assignor, by mesne assignments, to the United States of America

Application June 20, 1939, Serial No. 280,071
2 Claims. (Cl. 102—84)

1. In a time fuse having a timing mechanism, a firing pin mounted for movement parallel to its own longitudinal axis, means releasable by said timing mechanism to retain said pin in cocked position, means to move said pin when so released, a plate disposed transversely to said pin

and apertured for passage thereof, and a dog pivoted at one end disposed to cover said aperture when in unarmed position and movable by centrifugal force to uncover said aperture, the pivotal point of said dog lying angularly in advance of said aperture in the direction of rotation of said fuse when in flight in a projectile, the center of gyration of said dog being so positioned with respect to the pivotal point of the dog that



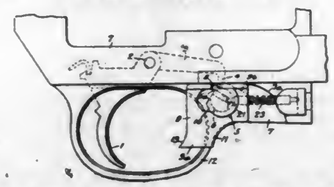
centrifugal force does not move said dog until acceleration has ceased, a leaf spring fixed at one end and having a free end bearing against the edge of said dog more remote from the center of said device to oppose fortuitous movement of said dog, there being in said edge of the dog, a cut-out portion in which said free end of the spring engages when said dog has been moved to uncover said aperture to lock said dog after being moved.

2,453,683

SAFETY FOR FIREARMS

Alexander W. Caldow, Chicago, Ill.

Application February 13, 1946, Serial No. 647,389
1 Claim. (Cl. 42—70)



In a trigger actuated firearm having a trigger provided with an integral safety nose portion, a trigger housing including a trigger guard, and a rotatably mounted locking body in the path of the trigger safety nose, said locking body having a gear fixed thereto for motion therewith, and being arranged to obstruct said safety nose portion in one rotational position of said gear and to provide a "fire" position in another rotational position of said gear, and a manually operated rack slidably mounted with relation to said trigger housing and cooperatively associated with said gear to rotate same by sliding motion, the rearward portion of said rack extending into the trigger guard opening in the "safe" position and clearing the trigger guard opening when slid forward into the "fire" position.

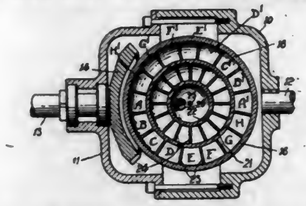
2,453,684

HYDROKINETIC COUPLING

Floris Cloete, Detroit, Mich.

Application September 17, 1945, Serial No. 616,773
4 Claims. (Cl. 74—259)

1. In a variable torque transmission mechanism between a driving shaft and a driven shaft, a casing rigid with the driving shaft and journaled for rotation around the driven shaft extending into one end thereof, fluid controlled means inside the said casing for varying the torque imposed on the driven shaft coincident with the rotational speed of the driving shaft, said means including a hollow spherical hydraulic member enclosing rigidly a series of walled fluid filled arcuate channels arranged along meridian planes around the polar axis of the sphere with a common connecting chamber at each pole to provide a passage for free fluid communication between the



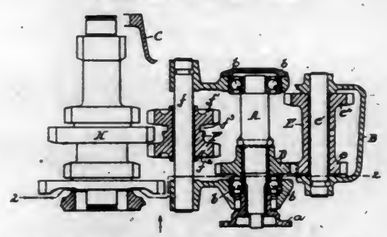
different channels, two opposed polar stub shafts rigid with the said spherical hydraulic member and journaled for rotation in bearings rigid with the said casing about a polar axis transverse to the axis of the said driving shaft, a beveled planet gear secured to one of the said stub shafts for rotation therewith, a beveled sun gear meshing with the said beveled planet gear and secured to the inner end of the said driven shaft for rotation therewith, substantially as described.

2,453,685

MEANS FOR TAKING OFF POWER FROM THE DRIVE TRANSMISSION OF MOTOR VEHICLES

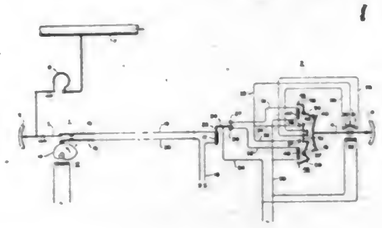
Julius Charles Haefeli, Birmingham, England, assignor to The Austin Motor Company Limited, Birmingham, England

Application July 21, 1945, Serial No. 606,420
In Great Britain August 7, 1944
3 Claims. (Cl. 74—11)



1. Means for taking off power from the drive transmission of a motor vehicle, said means comprising an endwise slidable sleeve, a pair of toothed wheels of the same diameter rigid with said sleeve, means for moving said sleeve endwise, a lay shaft wheel of the change-speed gear of the vehicle with which either of said slidable wheels is engageable, a power take-off shaft, a toothed wheel of said power take-off shaft with which the second of said slidable wheels engages when the first slidable wheel engages said lay shaft wheel, an intermediate shaft, a rotatable sleeve mounted upon said intermediate shaft, a first toothed wheel rigid with said rotatable sleeve with which the first of said slidable wheels engages when the second of said slidable wheels engages with said lay shaft wheel, and a second toothed wheel rigid with said rotatable sleeve and in constant mesh with the said toothed wheel of the power take-off shaft.

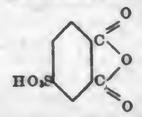
2,453,686
TELEMETRIC SYSTEM
Howard T. Hoffman, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application October 25, 1947, Serial No. 782,113
12 Claims. (Cl. 318—18)



1. A telemetric system comprising, in combination, a transmitter operating to transmit a signal during portions of fixed time periods, said portions varying directly with changes in a variable, a receiver including a movable receiving member, a reversible motor for positioning said receiving member, circuits operable selectively for energizing said motor to effect its operation in one direction or the other, control members movable towards and away from positions for closing said circuits, abutments movable with said receiving member and engageable by said control members for limiting movement of the latter away from their circuit closing positions, means for yieldingly holding said control members in engagement with said abutments, motors for moving said control members from said abutments toward their circuit closing positions, means operating in response to said transmitted signal for energizing one of said motors, and means operating on the termination of said signal for energizing the other of said motors.

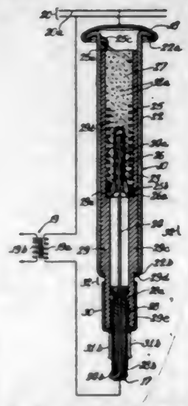
2,453,687
CATION-EXCHANGE RESINS MADE BY CONDENSING A SULFOPHTHALEIN AND FORMALDEHYDE
Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 21, 1946, Serial No. 656,155
6 Claims. (Cl. 260—49)

1. An insoluble, infusible, porous, resinous composition having cation-exchange properties, which comprises a cured condensate of (1) a sulfophthalein, which is the product of condensing sulfophthalic anhydride having the formula



and a phenol from the group consisting of phenol, m-cresol, 3,5-dimethylphenol, and resorcinol, and (2) formaldehyde, the latter being condensed in the ratio of 2 to 4 mols per mol of said phthalein.

2,453,688
FUSE
Edward H. Yonkers, Chicago, Ill., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill., a corporation of Illinois
Application May 3, 1944, Serial No. 533,824
19 Claims. (Cl. 200—115)

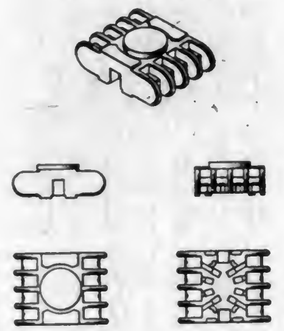


16. A fuse link comprising a tubular metal casing having an open end, a fusible element, a heating element for heating said fusible element, said elements being connected in series and disposed within said casing, a conductor connected to said fusible element and adapted to be biased to separate unfused portions of said fusible element when said fusible element is ruptured, and means including a fixed electrode spaced from said casing and electrically connected to said fusible element for defining with said casing a surge by-pass gap normally shunting said heating element and having a fixed gap dimension before, during and after the movement of said conductor which occurs incident to rupture of said fusible element.

DESIGNS

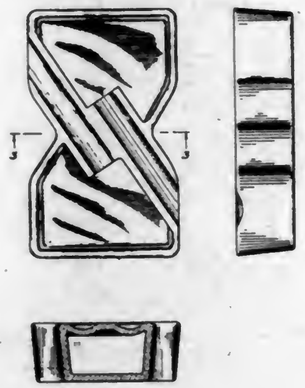
NOVEMBER 9, 1948

151,670
DESIGN FOR A VACUUM TUBE SOCKET
Charles J. Adams, Park Ridge, and Harold Z. Benton, Woodstock, Ill.
Application November 12, 1946, Serial No. 134,719
Term of patent 14 years
(Cl. D26—1)



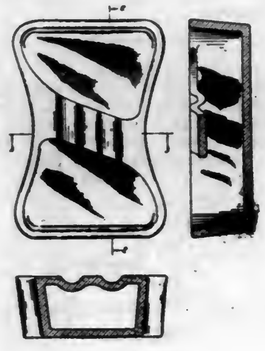
The ornamental design for a vacuum tube socket, as shown.

151,671
DESIGN FOR AN ASH TRAY
Charlotte Tremper Armus, New York, N. Y.
Application January 8, 1947, Serial No. 136,000
Term of patent 7 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

151,672
DESIGN FOR AN ASH TRAY
Charlotte Tremper Armus, New York, N. Y.
Application January 8, 1947, Serial No. 136,001
Term of patent 7 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

151,673
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Leonard G. Arpin, Montclair, N. J.
Application December 17, 1946, Serial No. 135,571
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an earring or similar article, as shown.

151,674
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Leonard G. Arpin, Montclair, N. J.
Application December 17, 1946, Serial No. 135,574
Term of patent 3½ years
(Cl. D45—9)





The ornamental design for an earring or similar article, as shown.

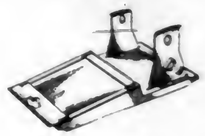
151,675
DESIGN FOR A ROCKING CHAIR
Edward Bird, London, England
Application June 5, 1946, Serial No. 130,434
In Great Britain January 28, 1946
Term of patent 14 years
(Cl. D15—6)

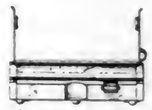




The ornamental design for a rocking chair, as shown.

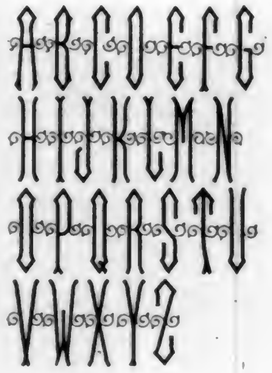
151,676
DESIGN FOR A PAPER ROLL HOLDER OR SIMILAR ARTICLE
Frederick Bietzinger, Sr., Chicago, Ill.
Application January 24, 1947, Serial No. 136,371
Term of patent 14 years
(Cl. D74—1)





The ornamental design for a paper roll holder or similar article, as shown.

151,677
DESIGN FOR A FONT OF TYPE
Mathieu Bloch, New York, N. Y., assignor to Bloch Freres, Inc., New York, N. Y., a corporation of New York
Application March 19, 1948, Serial No. 145,211
Term of patent 3½ years
(Cl. D64—12)



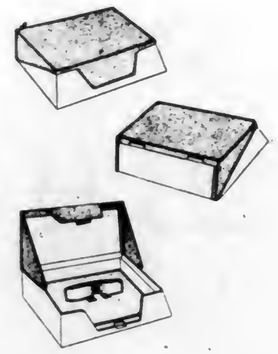
The ornamental design for a font of type, as shown.

151,678
DESIGN FOR A BOBBY PIN AND HAIRPIN HOLDER
Leo W. Blouin, Middleboro, Mass.
Application January 7, 1947, Serial No. 135,976
Term of patent 7 years
(Cl. D86—10)



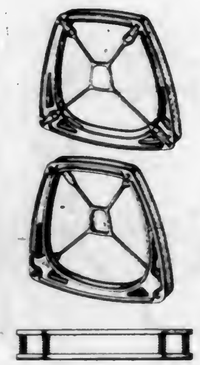
The ornamental design for a bobby pin and hairpin holder, as shown and described.

151,679
DESIGN FOR A WATCH AND JEWELRY DISPLAY BOX
Samuel Braun, Rockville Centre, and Max Crystal, Forest Hills, N. Y.
Application August 15, 1946, Serial No. 132,532
Term of patent 7 years
(Cl. D80—5)



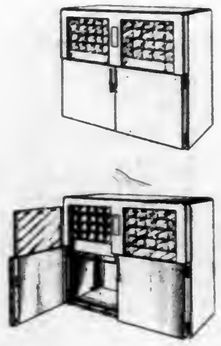
The ornamental design for a watch and jewelry display box, substantially as shown.

151,680
DESIGN FOR A RACQUET PRESS
Charles Bernard Briggs, Horbury, England, assignor to Slazengers Limited, London, England, and William Sykes Limited, Horbury, England, both companies of Great Britain
Application May 26, 1947, Serial No. 139,270
In Great Britain February 21, 1947
Term of patent 14 years
(Cl. D34—5)



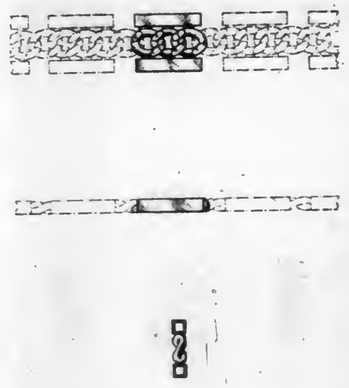
The ornamental design for a racquet press, substantially as shown.

151,681
DESIGN FOR A SELF-SERVICE REFRIGERATED DISPLAY CASE
Edward F. Brill, Milwaukee, Wis.
Application April 15, 1946, Serial No. 128,595
Term of patent 3½ years
(Cl. D80—11)



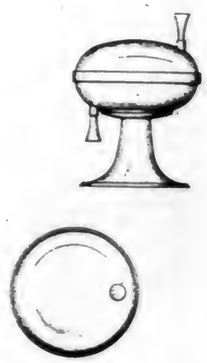
The ornamental design for a self-service refrigerated display case, substantially as shown.

151,682
DESIGN FOR A CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application February 11, 1948, Serial No. 144,412
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a chain for a bracelet or similar article, substantially as shown and described.

151,683
DESIGN FOR A POWDER BLENDER
James R. Clarke, Oneida, N. Y.
Application January 30, 1947, Serial No. 136,545
Term of patent 3½ years
(Cl. D86—10)



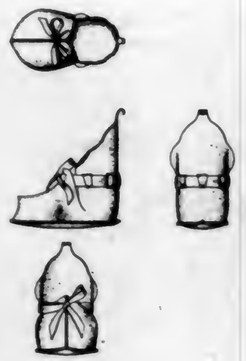
The ornamental design for a powder blender, substantially as shown and described.

151,684
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Maurice Duvalet, Congers, N. Y., assignor to Van Cleef & Arpels, Inc., New York, N. Y., a corporation of Delaware
Application June 9, 1948, Serial No. 146,849
Term of patent 7 years
(Cl. D45—19)



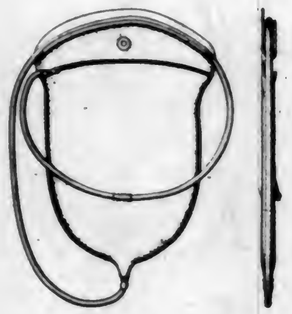
The ornamental design for brooch or similar article, substantially as shown.

151,685
DESIGN FOR A BOOTEE
Philip F. Eberle and Louis E. Sans, San Francisco, Calif.
Application June 14, 1948, Serial No. 146,964
Term of patent 14 years
(Cl. D7—7)



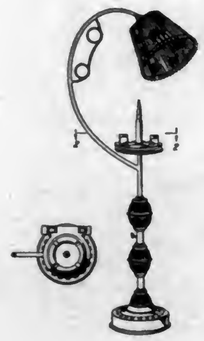
The ornamental design for a bootee, as shown.

151,686
DESIGN FOR A COMBINED SYRINGE BAG AND TUBE SUPPORT
Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn., a corporation of Virginia
Application October 30, 1945, Serial No. 123,323
Term of patent 14 years
(Cl. D83—1)



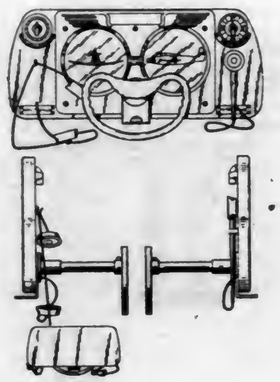
The ornamental design for a combined syringe bag and tube support, as shown.

151,687
DESIGN FOR A COMBINED LAMP AND SMOKING STAND
Earl R. Fisk, Depew, Okla.
Application October 28, 1947, Serial No. 142,172
Term of patent 3½ years
(Cl. D48—20)



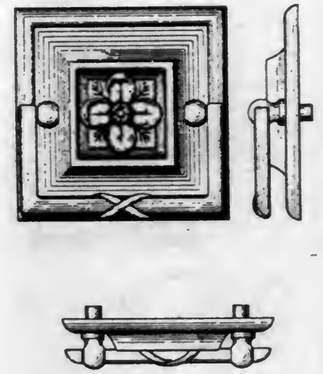
The ornamental design for a combined lamp and smoking stand, as shown.

151,688
DESIGN FOR AN AIRPLANE CONTROL TOY
Charles H. Foster, New York, N. Y.
Application August 5, 1948, Serial No. 147,947
Term of patent 14 years
(Cl. D34—15)



The ornamental design for an airplane control toy, substantially as shown and described.

151,689
DESIGN FOR A DRAWER PULL
Robert W. Gane, Jamestown, N. Y., assignor to Chautauqua Hardware Corporation, Jamestown, N. Y.
Application July 25, 1947, Serial No. 140,518
Term of patent 3½ years
(Cl. D10—8)



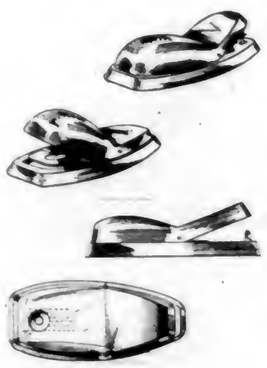
The ornamental design for a drawer pull, substantially as shown.

151,690
DESIGN FOR A JACKET
Harry Goldberg, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application December 29, 1947, Serial No. 143,416
Term of patent 3½ years
(Cl. D3—4)



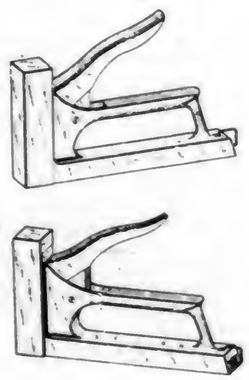
The ornamental design for a jacket, substantially as shown.

151,691
DESIGN FOR AN ANIMAL TRAP
Arthur C. Haggstrom, Rockford, Ill., assignor to Style Line Products Co., Rockford, Ill., a corporation of Illinois
Application July 22, 1946, Serial No. 131,798
Term of patent 14 years
(Cl. D31—4)



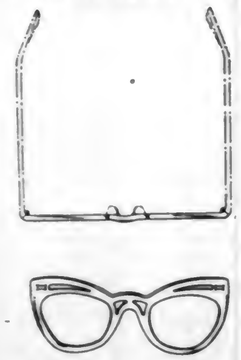
The ornamental design for an animal trap, substantially as shown and described.

151,692
DESIGN FOR A STAPLING MACHINE OR SIMILAR ARTICLE
Harold S. Heller, Cleveland Heights, Ohio
Application March 21, 1947, Serial No. 137,792
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a stapling machine or similar article, as shown and described.

151,693
DESIGN FOR A SPECTACLE FRAME
Louis Jacobson, New York, N. Y.
Application January 27, 1948, Serial No. 144,073
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle frame, substantially as shown and described.

151,694
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 25, 1948, Serial No. 147,199
Term of patent 7 years
(Cl. D45—19)



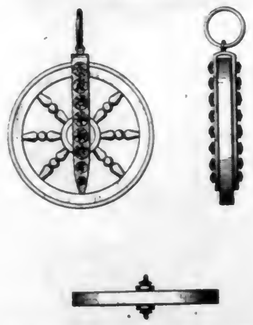
The ornamental design for a brooch or similar article, substantially as shown.

151,695
DESIGN FOR A STRAW HOLDER
Henry Edgar Kelley, Jr., Kirkwood, Mo., assignor to Glenmore Distilleries Company, Louisville, Ky., a corporation of Delaware
Application April 15, 1947, Serial No. 138,414
Term of patent 3½ years
(Cl. 2—3)



The ornamental design for a straw holder, as shown.

151,696
DESIGN FOR A JEWELRY CHARM
Charles Kiaschek, Brooklyn, N. Y., and George Kiashek, London, England
Application February 19, 1948, Serial No. 144,607
Term of patent 3½ years
(Cl. D45—17)



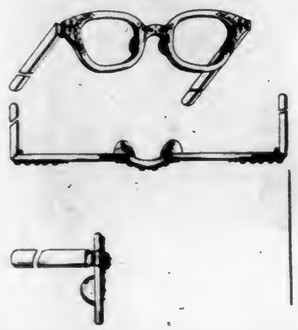
The ornamental design for a jewelry charm, substantially as shown and described.

151,697
DESIGN FOR A LIPSTICK CASE OR SIMILAR ARTICLE
William H. Leavin, New York, N. Y.
Application November 7, 1947, Serial No. 142,384
Term of patent 7 years
(Cl. D86—10)



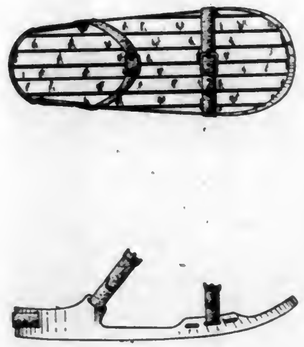
The ornamental design for a lipstick case or similar article, substantially as shown and described.

151,698
DESIGN FOR A SPECTACLE FRAME
Monroe B. Levoy, New York, N. Y.
Application March 29, 1946, Serial No. 128,052
Term of patent 3½ years
(Cl. D57—1)



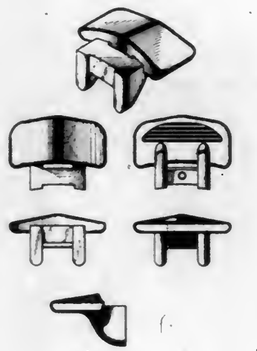
The ornamental design for a spectacle frame, as shown and described.

151,699
DESIGN FOR A SKI SANDAL
George William Lothrop, Wayne, Mich.
Application April 3, 1948, Serial No. 145,512
Term of patent 7 years
(Cl. D7—7)



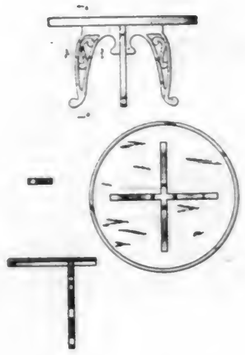
The ornamental design for a ski sandal, as shown.

151,700
DESIGN FOR A HANDLE FOR KITCHEN UTENSILS OR SIMILAR ARTICLES
Walter C. Lueneburg, Evanston, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1947, Serial No. 138,154
Term of patent 14 years
(Cl. D44—29)



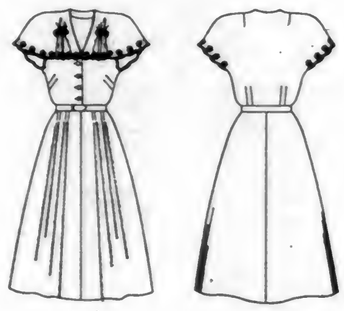
The ornamental design for a handle for kitchen utensils or similar articles, as shown.

151,701
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Eugene J. Lux, New York, N. Y., assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J., a corporation of New Jersey
Application March 28, 1947, Serial No. 138,020
Term of patent 7 years
(Cl. D33—14)



The ornamental design for a table or similar article, substantially as shown and described.

151,702
DESIGN FOR A DRESS
Mildred Macpherson, New York, N. Y.
Application February 14, 1948, Serial No. 144,496
Term of patent 3½ years
(Cl. D3—26)



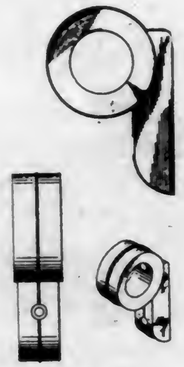
The ornamental design for a dress, substantially as shown.

151,703
DESIGN FOR A GARDEN TRACTOR
Ed B. Meripol, Los Angeles, Calif., assignor, by mesne assignments, to Adel Precision Products Corp., Burburbank, Calif., a corporation of California
Application March 28, 1947, Serial No. 138,022
Term of patent 14 years
(Cl. D14—3)



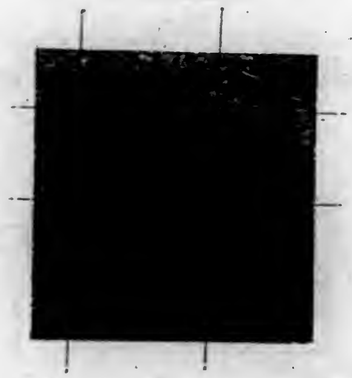
The ornamental design for a garden tractor, substantially as shown and described.

151,704
DESIGN FOR A UTENSIL HANDLE
Edna M. Oster, Kewaskum, Wis., assignor to Kewaskum Utensil Company, Kewaskum, Wis., a corporation of Wisconsin
Application December 7, 1946, Serial No. 135,327
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a utensil handle, as shown.

151,705
DESIGN FOR A TEXTILE FABRIC
Edmund M. Patterson, New York, N. Y.
Application October 23, 1947, Serial No. 142,106
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

151,706
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 9, 1948, Serial No. 147,457
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

151,707
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 13, 1948, Serial No. 147,526
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

151,708
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 15, 1948, Serial No. 147,579
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

151,709
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 2, 1948, Serial No. 147,877
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

151,710
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 4, 1948, Serial No. 147,920
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

151,711
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 4, 1948, Serial No. 147,921
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

151,712
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 4, 1948, Serial No. 147,922
Term of patent 7 years
(Cl. D45—16)



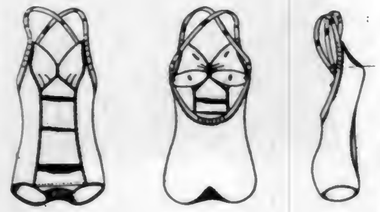
The ornamental design for a necklace or similar article, substantially as shown and described.

151,713
DESIGN FOR AN AIRPLANE
Wilfrid A. Pulver, Sherman Oaks, and Arthur E. Flock, Van Nuys, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.
Application September 11, 1947, Serial No. 141,310
Term of patent 14 years
(Cl. D71—1)



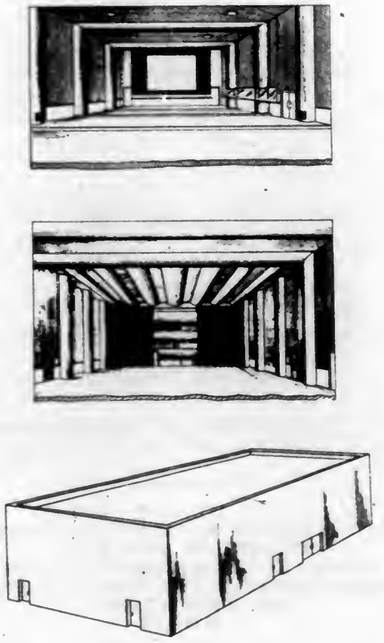
The ornamental design for an airplane, substantially as shown.

151,714
DESIGN FOR A BATHING SUIT
Rose Marie Reid, Los Angeles, Calif.
Application October 10, 1946, Serial No. 133,867
Term of patent 7 years
(Cl. D3—17)



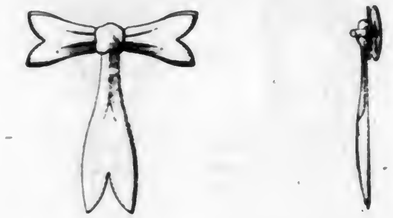
The ornamental design for a bathing suit, as shown.

151,715
DESIGN FOR A RECORDING STUDIO BUILDING OR THE LIKE
Michael Rettinger, Encino, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application September 17, 1946, Serial No. 133,363
Term of patent 14 years
(Cl. D13—1)



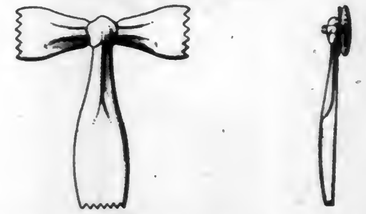
The ornamental design for a recording studio building or the like, substantially as shown.

151,716
DESIGN FOR A NECKTIE OR THE LIKE
Walter F. Rothe, Washington, D. C.
Application May 21, 1947, Serial No. 139,180
Term of patent 14 years
(Cl. D3—16)



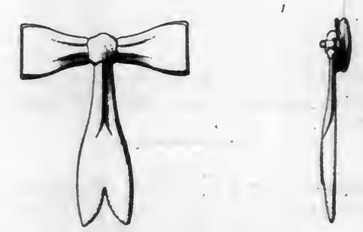
The ornamental design for a necktie or the like, substantially as shown.

151,717
DESIGN FOR A NECKTIE OR THE LIKE
Walter F. Rothe, Washington, D. C.
Application May 21, 1947, Serial No. 139,181
Term of patent 14 years
(Cl. D3—16)



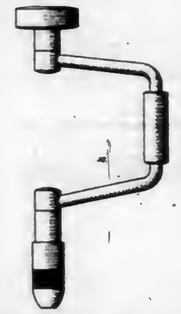
The ornamental design for a necktie or the like, substantially as shown.

151,718
DESIGN FOR A NECKTIE OR THE LIKE
Walter F. Rothe, Washington, D. C.
Application May 28, 1947, Serial No. 139,327
Term of patent 14 years
(Cl. D3—16)



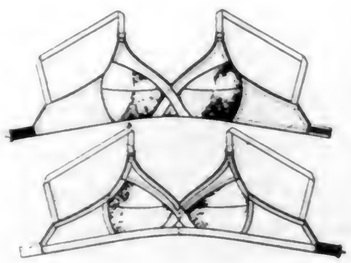
The ornamental design for a necktie or the like, substantially as shown.

151,719
DESIGN FOR A BRACE
William B. Ruger, Wilton, Conn., assignor to Ruger Corporation, Southport, Conn., a corporation of Connecticut
Application July 16, 1947, Serial No. 140,308
Term of patent 3½ years
(Cl. D93—4)



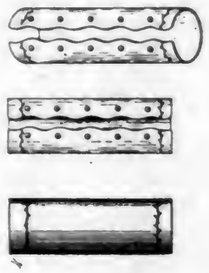
The ornamental design for a brace, as shown.

151,720
DESIGN FOR A BRASSIERE
Jack Selcow, New York, N. Y., assignor to Angel Bra Corp., New York, N. Y., a corporation of New York
Application October 10, 1947, Serial No. 141,848
Term of patent 7 years
(Cl. D20—4)



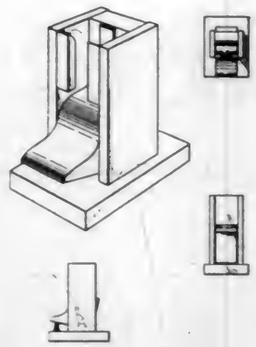
The ornamental design for a brassière, as shown.

151,721
DESIGN FOR A BOLSTER COVER FOR PILLOWS OR SIMILAR ARTICLE
Genevieve L. Such, Chicago, Ill.
Application December 26, 1946, Serial No. 135,774
Term of patent 7 years
(Cl. D5—2)



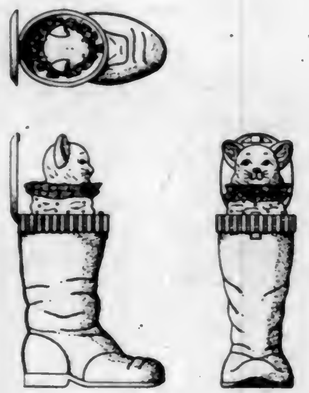
The ornamental design for a bolster cover for pillows or similar article, substantially as shown.

151,722
DESIGN FOR A DISPENSING DEVICE FOR DOG BISCUITS OR THE LIKE
Frederick E. Welsh, Springwater, N. Y.
Application September 7, 1946, Serial No. 133,162
Term of patent 14 years
(Cl. D52—2)



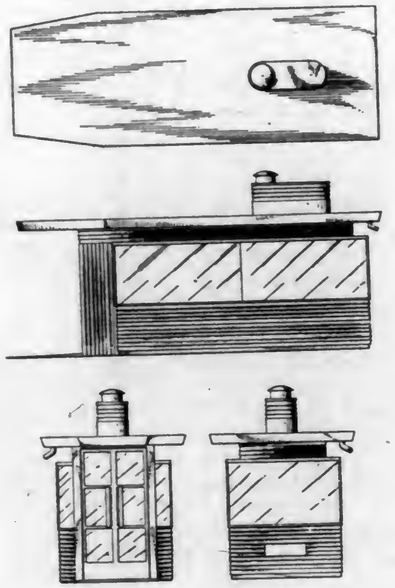
The ornamental design for a dispensing device for dog biscuits or the like, substantially as shown.

151,723
DESIGN FOR A TOY JACK-IN-THE-BOX OR SIMILAR ARTICLE
Constance Ray White, Beverly Hills, Calif.
Application August 8, 1947, Serial No. 140,778
Term of patent 7 years
(Cl. D34—15)



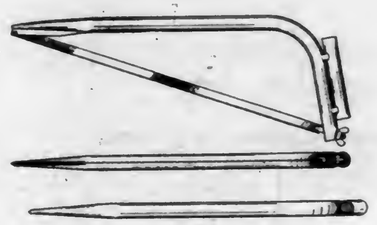
The ornamental design for a toy jack-in-the-box or similar article, substantially as shown.

151,724
DESIGN FOR A SERVICE STATION
Lysander T. White, New York, N. Y., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application January 22, 1947, Serial No. 136,313
Term of patent 14 years
(Cl. D13—1)



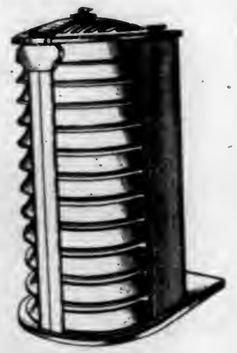
The ornamental design for a service station, as shown and described.

151,725
DESIGN FOR A PRUNING SAW
George L. Whitman, Weedsport, and Carl D. Gunn, Auburn, N. Y.
Application February 12, 1947, Serial No. 136,874
Term of patent 14 years
(Cl. D93—4)



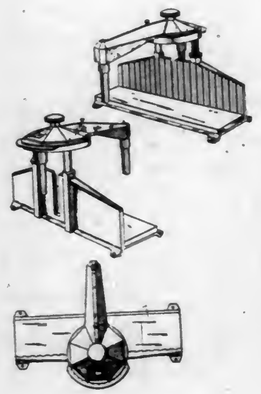
The ornamental design for a pruning saw, substantially as shown.

151,726
DESIGN FOR A SPACE HEATER
Herman E. Winkler and Carl J. Winkler, Lebanon, Ind., assignors to U. S. Machine Corporation, Lebanon, Ind., a corporation
Application May 20, 1947, Serial No. 139,166
Term of patent 14 years
(Cl. D81—19)



The ornamental design for a space heater, as shown and described.

151,727
DESIGN FOR A MITER BOX
Harry J. Ziemann, Wauwatosa, Wis.
Application July 18, 1947, Serial No. 140,353
Term of patent 14 years
(Cl. D93—4)



The ornamental design for a miter box, as shown.

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TEACHER—STUDENT—AVERAGE CITIZEN

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The Congress
The Courts
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Department of the Treasury
Bureau of Customs
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Housing and Home Finance Agency
Selective Service System
Veterans' Administration



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Official Gazette

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November 16, 1948

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Patents expiring: Patent Numbers 1,831,797 to 1,832,842, inclusive, issued November 17, 1931, expire November 17, 1948

Condition of Applications Under Examination at Close of Business Oct. 29, 1948

Total number of patent applications awaiting action, 153,930. Date of oldest new application, October 28, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	5-14-47	4-30-47	2806
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-10-47	10-3-46	2943
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	2-2-48	1-16-48	1361
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Disptach; Store Service; Mining, Quarrying, and Ice Harvesting.	3-18-47	2-8-47	4154
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	5-19-47	11-5-46	1723
6. SURLE, H., Carbon Chemistry (part)	11-18-47	10-11-47	1779
7. HANLIN, GEORGE, Optics; Photographic Apparatus	2-3-48	11-5-47	1623
8. LEWIS, R. O., (Acting), Furniture; Racks and Cabinets	2-21-47	11-4-46	4417
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-9-47	2-6-47	2307
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	2-12-48	12-12-47	1607
11. BENHAM, E. V., Boots, Shoes, and Leggings, Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	12-10-47	2-19-48	821
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	11-17-47	9-20-46	2270
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	11-8-46	11-4-46	2400
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	1-26-48	11-4-47	1362
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	7-22-47	5-23-47	2113
16. LOVEWELL, N. N., Television; Telephony	1-7-48	8-5-47	1507
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-26-47	10-12-46	2080
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	7-15-47	9-14-46	2034
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-26-47	2-1-47	1869
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	4-7-47	1-17-47	2054
21. MADER, R. C., Textiles	11-20-47	9-10-47	1244
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	11-14-47	1-3-47	1666
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	11-7-47	12-13-46	1181
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	10-10-47	9-9-47	2842
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	2-3-48	2-27-47	1755
26. YOUNG, R. R., Electricity—Generation and Motive Power	2-5-48	1-13-47	1176
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	7-18-47	1-6-47	3501
28. BRAUNER, R. H., (Acting), Internal Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Railway Wheels and Axles.	10-2-47	9-5-47	975
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	3-38-47	3-13-47	3198
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	1-24-48	11-7-47	1559
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	2-11-48	2-14-48	2132
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	4-1-47	11-5-46	3231
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	2-24-47	11-7-46	3574
34. SAPERSTEIN, S., Electricity—Transmission of Vehicles; Railways; Track Sanders; Signals and Indicators	3-29-47	11-27-46	1457
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	6-23-47	11-18-46	3395
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-47	10-16-46	1999
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	2-9-48	3-21-47	1333
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	9-4-47	7-7-47	1712
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	5-15-47	9-18-46	3040
40. DRUMMOND, E. J., Receptacles (part); Packages	12-11-47	12-18-46	3264
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	1-30-48	11-6-46	2285
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	3-4-48	1-27-48	1204
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	1-23-48	10-23-47	1266
44. HARVEY, L. P., Refrigeration; Preserving	10-28-46	9-27-46	1119
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances; Vehicle Fenders	4-18-47	10-16-46	2573
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-4-47	11-26-46	1820

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,930. Date of oldest new application, October 28, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	1-3-48	7-28-47	2160
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	2-6-48	5-5-47	1495
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	10-1-47	8-30-47	1568
50. LEVIN, SAMUEL, Synthetic Resins	2-9-48	11-12-47	2207
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	2-2-48	8-26-47	1786
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	10-13-47	1-7-47	3871
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	5-20-47	10-14-46	3563
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	2-1-48	7-18-47	1710
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	11-1-47	11-4-47	1864
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Heating and Illuminating Gas	1-20-48	11-7-47	1071
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	5-22-47	1-23-47	3547
58. DOWELL, E. F., Abrading; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	3-10-47	2132
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	9-19-47	5-14-47	2058
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	2-24-48	7-24-47	1378
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	12-7-46	8-19-46	3769
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	6-14-47	10-26-46	1844
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	10-23-47	9-13-47	1294
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous	3-26-48	3-30-48	1550
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	2-2-48	7-25-47	2190
66. LISANN, I., Geometrical Instruments	8-11-47	4-16-46	2064
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	9-10-47	5-14-47	1991
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	3-15-48	9-3-47	1506
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	7-14-47	1-16-47	2014
	3-25-47	2-26-48	7447
DESIGNS: BREHM, G. L.			

Total number of trade-mark applications awaiting action (including renewals and republications), 38,579. Date of oldest new application, Sept. 15, 1947; date of oldest amended application, March 27, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	1-11-48	6-10-48	3041
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	10-2-47	5-3-48	5555
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-1-47	5-24-48	4914
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-24-47	3-27-48	4341
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	10-10-47	4-21-48	3474
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	12-31-47	8-27-48	3243
7. KEYS, O. M., Classes 16, 19, 55	9-15-47	3-27-48	2183
8. GEDIMAN, H. W., {Renewals / Republications} All Classes	9-25-48	10-7-48	146
	11-14-47	10-7-48	11682

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Hematinic preparation. Serial No. 552,826, Nov. 16. Class 6.

Acme White Lead and Color Works, Detroit, Mich. Agricultural and horticultural insecticides. Serial No. 536,744, Nov. 16. Class 6.

Adams Packing Association, Inc., Auburndale, Fla. Fresh citrus fruits. Serial No. 537,777, Nov. 16. Class 46.

Air Reduction Sales Company, assignee: *See*—
Wilson Welder and Metals Co. Inc.

Aircraft Screw Products Company, Inc.: *See*—
Heli-Coil Corporation.

Alkalax Company, The: *See*—
Howell, William C.

All American Fruit & Extract Co.: *See*—
Cohen, Harold.

American Laundry Machinery Company, The, Cincinnati, Ohio. Laundry machinery or apparatus. Serial No. 535,378, Nov. 16. Class 24.

Animal Trap Company of America, Lititz, Pa. Trap guns, anchoring and setting equipment and cartridges therefor. Serial No. 517,881, Nov. 16. Class 9.

Animal Trap Company of America, Lititz, Pa. Trap guns, anchoring and setting equipment and cartridges therefor. Serial No. 518,511, Nov. 16. Class 9.

Appleton, William H., San Francisco, Calif. Nonalcoholic, non-cereal, maltless beverages. Serial No. 512,310, Nov. 16. Class 45.

Ark-Les Switch Corporation, Watertown, Mass. Electric switches and rheostats. Serial No. 539,477, Nov. 16. Class 21.

Armour and Company, Chicago, Ill. Sausage. Serial No. 528,419, Nov. 16. Class 46.

Atkins & Durbrow, Inc., New York, N. Y. Fertilizer. Serial No. 509,324, Nov. 16. Class 10.

Atlantic Union College, Lancaster, Mass. Ironing boards. Serial No. 544,313, Nov. 16. Class 24.

Audio Industries, Michigan City, Ind. Electrical phonographs and parts therefor. Serial No. 497,443, Nov. 16. Class 21.

Aurora Industries, Inc., Chicago, Ill. Projection screens. Serial No. 528,114, Nov. 16. Class 26.

Babee-Tenda Corporation, The, Metropolis, Ill. Combined tables and chairs. Serial No. 540,763, Nov. 16. Class 32.

Bachmann Uxbridge Worsted Corporation, New York, N. Y. Woolen fabrics in the piece. Serial No. 554,546, Nov. 16. Class 42.

Badger Glove and Slipper Company, Milwaukee, Wis. Slippers. Serial No. 513,710, Nov. 16. Class 39.

Baron, H., & Co. Inc., Linden, N. J. Nonalcoholic, maltless fruit syrups and juices. Serial No. 531,422, Nov. 16. Class 45.

Bassett Company, Columbus, Ohio. Perfume. Serial No. 514,248, Nov. 16. Class 6.

Battle Creek Equipment Company, Battle Creek, Mich. Chair type therapeutic exercising apparatus. Serial No. 517,765, Nov. 16. Class 44.

Bauer, Arthur, Company, Inc., New York, N. Y. Watches. Serial No. 547,608, Nov. 16. Class 27.

Barley Dress Manufacturing Co., Seattle, Wash. Cotton house and street dresses, rayon house and street dresses, wool dresses, etc. Serial No. 514,748, Nov. 16. Class 39.

Bay State Abrasive Products Company, Westboro, Mass. Grinding, abrading, polishing, cutting-off and knife sharpening wheels. Serial No. 533,261, Nov. 16. Class 4.

Beauty Counselors, Inc., Grosse Pointe, Mich. Protective coating nail polish. 531,013, Nov. 16. Class 6.

Benrose Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 536,486, Nov. 16. Class 42.

Berkshire Fine Spinning Associates, Inc., Providence, R. I., and Adams, Mass. Textile fabrics. Serial No. 555,484, Nov. 16. Class 42.

Bethlehem Steel Company, Bethlehem, Pa. Metal pipe and tubing. Serial No. 507,963, Nov. 16. Class 13.

Big Chief Medicine Company: *See*—
Schrugge, Barney T.

Black Star Coal Corporation, Louisville, Ky. Coal. Serial No. 522,946, Nov. 16. Class 1.

Blaw-Knox Company, Pittsburgh, Pa. Metal doors. Serial No. 519,566, Nov. 16. Class 12.

Bloch Brothers Tobacco Co., The, Wheeling, W. Va. Chewing and smoking tobacco. Serial No. 539,637, Nov. 16. Class 17.

Blue Ridge Cord Company, The: *See*—
Fullerton, George H.

Boland Mfg. Co., Chicago, Ill. Following goods made of plastic film, shower caps, bathing caps, etc. Serial No. 521,241, Nov. 16. Class 39.

Boye Needle Company, The, Chicago, Ill. Knitting pins, needles for hand sewing, sewing machine needles, etc. Serial No. 539,803, Nov. 16. Class 40.

Boye Needle Company, The, Chicago, Ill. Art needlework implements and accessories. Serial No. 539,808, Nov. 16. Class 40.

Boye Needle Company, The, Chicago, Ill. Knitting pins or needles. Serial Nos. 539,809–10, Nov. 16. Class 40.

Boye Needle Company, The, Chicago, Ill. Pencils, expansion pencil clips, surehold pencil clips, etc. Serial No. 541,249, Nov. 16. Class 37.

Buegeleisen, Joseph, Co., Detroit, Mich. Seat covers and windshields for motorcycles. Serial No. 534,508, Nov. 16. Class 19.

Buffalo Weaving & Belting Company, Buffalo, N. Y. Woven cotton conveyor and transmission belting. Serial No. 536,758, Nov. 16. Class 35.

Central Can Company, Chicago, Ill. Metal cash and bond boxes having lock and key. Serial No. 516,254, Nov. 16. Class 25.

Central Dairy, Inc., Fort Wayne, Ind. Ice cream mix. Serial No. 505,799, Nov. 16. Class 46.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Hair tonic. Serial Nos. 552,341–2, Nov. 16. Class 6.

Chicago Electric Manufacturing Company, Chicago, Ill. Electric laundry washers. Serial No. 529,601, Nov. 16. Class 24.

Chicago Sanitary Products Company, Chicago, Ill. Toilet soap. Serial No. 516,672, Nov. 16. Class 4.

Christina, Vincent, & Company, Inc., New York, N. Y. Medicinal preparations. Serial No. 555,784, Nov. 16. Class 6.

Clark, Herbert L., doing business as Illinois Bio Company, Chicago, Ill. Sterile solution in corn oil. Serial No. 553,675, Nov. 16. Class 6.

Clark, Joseph S., Allendale, N. J. Perfumes. Serial No. 530,058, Nov. 16. Class 6.

Clark, Robert H., doing business as Robert H. Clark Company, Beverly Hills, Calif. Bath salts. Serial No. 527,533, Nov. 16. Class 6.

Clark, Robert H., Company: *See*—
Clark, Robert H.

Clover Farm Stores Corporation, Cleveland, Ohio. Soap and soap chips. Serial No. 554,095, Nov. 16. Class 4.

Coach & Car Equipment Corporation, Chicago, Ill. Railway coach seats. Serial No. 517,404, Nov. 16. Class 19.

Cochran, Jacqueline, doing business as Jacqueline Cochran Cosmetics, assignor to Jacqueline Cochran, Inc., Newark, N. J. Cosmetics and beauty preparations. Serial No. 536,669, Nov. 16. Class 6.

Cochran, Jacqueline, Cosmetics: *See*—
Cochran, Jacqueline.

Cochran, Jacqueline, Inc.: *See*—
Cochran, Jacqueline.

Coffette Products, Inc., Brooklyn, N. Y. Oil shampoo. Serial No. 559,278, Nov. 16. Class 6.

Cohen, Harold, doing business as All American Fruit & Extract Co., Chicago, Ill. Crushed fruits. Serial No. 530,170, Nov. 16. Class 46.

Comar & Cie, Societe a Responsabilite Limitee, Proprietaire des Laboratoires Clin, Paris, France. Analgesics. Serial No. 559,501, Nov. 16. Class 6.

Comfort Spring Corporation, Baltimore, Md. Spring assemblies and spring coils. Serial No. 534,750, Nov. 16. Class 32.

Compco Corporation, Chicago, Ill. Film enlarger lenses, camera lenses, projector lenses, etc. Serial No. 547,834, Nov. 16. Class 26.

Consolidated Footwear Corporation, New York, N. Y. Ladies', misses' and children's boots and overshoes. Serial No. 517,289, Nov. 16. Class 39.

Cook Body Co., Charlotte, N. C. Automobile and truck trailers and truck bodies. Serial No. 535,487, Nov. 16. Class 19.

Cooperative for American Remittances to Europe, Inc., New York, N. Y. Packages containing two or more of the following kinds of goods—namely, soap, food, clothing, textiles, yarn, medicines, glassware, cutlery, and notions. Serial Nos. 542,097–8, Nov. 16. Class 50.

Corley, Clifton, doing business as Marietta Mills, New York, N. Y. Artificial leather in the piece. Serial No. 537,991, Nov. 16. Class 50.

Cresarrow Watch Co., Newark, N. J. Watches and parts thereof. Serial No. 546,372, Nov. 16. Class 27.

Curtis, A. W., Jr., doing business as A. W. Curtis Laboratories, Detroit, Mich. Peanut oil. Serial No. 539,940, Nov. 16. Class 46.

Curtis, A. W., Laboratories: *See*—
Curtis, A. W., Jr.

Curtis Paper Company, Newark, Del. Text and cover papers. Serial No. 542,817, Nov. 16. Class 37.

Curtis Paper Company, Newark, Del. Text and cover papers. Serial No. 542,819, Nov. 16. Class 37.

Days', Mrs., Ideal Baby Shoe Company, Inc., Danvers, Mass. Babies' and children's shoes, slippers, and booties. Serial No. 526,965, Nov. 16. Class 39.

Day's, Mrs., Ideal Baby Shoe Company, Inc., Danvers, Mass. Babies' and children's shoes, slippers and booties. Serial No. 526,975, Nov. 16. Class 39.
Deering, Milliken & Co., Inc., New York, N. Y. Crib sheets. Serial No. 518,206, Nov. 16. Class 42.
Dental Survey Publications, Minneapolis, Minn. Magazine. Serial No. 539,501, Nov. 16. Class 38.
Diversey Corporation, The, Chicago, Ill. Chemical preparation in powdered form. Serial No. 555,997, Nov. 16. Class 4.
Dolly Fruit Products Corp., Brooklyn, N. Y. Fruit syrups. Serial No. 531,104, Nov. 16. Class 45.
Dresco Products Incorporated, Chicago, Ill. Mechanical toys. Serial No. 535,229, Nov. 16. Class 22.
Duffy-Mott Company, Inc., New York, N. Y. Prune juice. Serial No. 498,987, Nov. 16. Class 46.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Sensitized photographic paper. Serial No. 545,970, Nov. 16. Class 26.
East Smithfield Farms, Inc., Philadelphia, Pa. Cheese. Serial No. 534,520, Nov. 16. Class 46.
Electrical Publications, Inc., Chicago, Ill. Monthly magazine. Serial No. 537,299, Nov. 16. Class 38.
Elimore Silver Co., Inc., The, Meriden, Conn. Sterling silver flatware. Serial No. 524,532, Nov. 16. Class 28.
Elimore Silver Co., Inc., The, Meriden, Conn. Sterling silver flatware. Serial No. 524,693, Nov. 16. Class 28.
Endicott Johnson Corporation, Endicott, N. Y. Golf balls. Serial No. 534,760, Nov. 16. Class 22.
Enduro Metal Awning Corporation of America, Charleston, W. Va. Aluminum awnings. Serial No. 544,713, Nov. 16. Class 12.
Essential Chemicals Co., Milwaukee, Wis. Combination soap and wax detergent material. Serial No. 552,646, Nov. 16. Class 4.
Etivista Winery & Vineyards, Cucamonga, Calif. Wines. Serial No. 521,063, Nov. 16. Class 47.
Everfast Fabrics, Inc., New York, N. Y. Linen and cotton tape. Serial No. 546,205, Nov. 16. Class 40.
Expert Industries, Inc., Grand Rapids, Mich. Automatic temperature control valves. Serial No. 537,675, Nov. 16. Class 26.
Fab-Weld Corporation, Philadelphia, Pa. Skids and pallets. Serial No. 492,490, Nov. 16. Class 50.
Feldt Manufacturing Company: *See*—
Feldt, Max.
Feldt, Max, doing business as Feldt Manufacturing Company, Temple, Tex. Men's and women's shirts, sport shirts, jackets, etc. Serial No. 551,552, Nov. 16. Class 39.
Feldt, Max, doing business as Feldt Manufacturing Company, Temple, Tex. Men's and women's shirts, sport shirts, novelty shirts, etc. Serial No. 551,553, Nov. 16. Class 39.
Firestone Tire & Rubber Company, The, Akron, Ohio. Plastic seat covers for vehicles. Serial No. 547,719, Nov. 16. Class 19.
Fischer, Joseph, Chicago, Ill. Series of cartoons. Serial No. 552,763, Nov. 16. Class 38.
Floral City Company, Monroe, Mich. Coal, gas and oil burning furnaces. Serial No. 517,569, Nov. 16. Class 34.
Flxible Company, The, Loudonville, Ohio. Busses, ambulances, invalid and funeral cars. 540,347, Nov. 16. Class 19.
Foods of California: *See*—
Karmen, B. H.
Fowler, John E., Rosslyn, Va. Maltless soft drinks and syrups therefor. Serial No. 560,801, Nov. 16. Class 45.
Fowler, John E., Rosslyn, Va. Maltless soft drinks and syrups. Serial Nos. 565,513–15, Nov. 16. Class 45.
Fullerton, George H., doing business as The Blue Ridge Cord Company, Hendersonville, N. C. Cords, braided manson lines, toggle cords and clothes line cordage. Serial No. 543,172, Nov. 16. Class 7.
Geigy Company, Inc., New York, N. Y. Insecticides. Serial No. 543,916, Nov. 16. Class 6.
General Dyestuff Corporation, New York, N. Y. Detergent for household and industrial purposes. Serial No. 511,080, Nov. 16. Class 4.
Gibson, Dorothy, Perfumes Corp., Brooklyn, N. Y. Perfume, cologne and toilet water. Serial No. 543,176, Nov. 16. Class 6.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Oleomargarine. Serial No. 540,278, Nov. 16. Class 46.
Greenebaum, J., Tanning Co., Chicago, Ill. Sole leather products. Serial No. 539,952, Nov. 16. Class 39.
Grigsby, Marion W., doing business as Grigsby Publishing Company, Chicago, Ill. Game and game board. Serial No. 557,524, Nov. 16. Class 22.
Grigsby Publishing Company: *See*—
Grigsby, Marion W.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. Serial Nos. 546,097–8, Nov. 16. Class 27.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. Serial No. 546,100, Nov. 16. Class 27.
Hammermill Paper Company, Erie, Pa. Bond paper. Serial No. 533,884, Nov. 16. Class 37.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Lead pencils, coloured chalk pencils and coloured sticks. Serial No. 534,112, Nov. 16. Class 37.
Hargrove Company, Pittsburgh, Pa. Combination wood windows sheathed in aluminum. Serial No. 544,732, Nov. 16. Class 12.
Harlequin Corporation, The, New York, N. Y. Ophthalmic mountings and lenses and parts thereof. Serial No. 547,903, Nov. 16. Class 26.
Harry, Inc., Washington, D. C. Shoe trees. Serial No. 504,108, Nov. 16. Class 50.
Harshaw Chemical Company, The, Cleveland, Ohio. Chemical compounds. Serial No. 554,228, Nov. 16. Class 6.
Headman, Sam T., doing business as X Sales & Distributing Company, Seattle, Wash. Deodorant liquid. Serial No. 556,191, Nov. 16. Class 6.
Heatbath Corporation, Indian Orchard, Mass. Salt compositions for metal-treating baths. Serial No. 535,957, Nov. 16. Class 6.
Heli-Coil Corporation, by change of name from Aircraft Screw Products Company, Inc., Long Island City, N. Y. Tools, apparatus and machines. Serial No. 520,368, Nov. 16. Class 23.
Hibbs, Harry R., doing business as Harry R. Hibbs, Co., Louisville, Ky. Men's felt hats. Serial No. 535,239, Nov. 16. Class 39.
Hibbs, Harry R., Co.: *See*—
Hibbs, Harry R.
Hickey-Freeman Company, Rochester, N. Y. Men's suits, topcoats and overcoats. Serial No. 538,907, Nov. 16. Class 39.
Hickey-Freeman Company, Rochester, N. Y. Men's suits. Serial No. 538,908, Nov. 16. Class 39.
Hillsboro Cotton Mills, Hillsboro, Tex. Cotton duck. Serial No. 520,008, Nov. 16. Class 42.
Hobbs Manufacturing Company, San Antonio, and Fort Worth, Tex. Automotive truck bodies. Serial No. 545,250, Nov. 16. Class 19.
Hobson Corporation, The, Chicago, Ill. Lubricating oil. Serial No. 556,960, Nov. 16. Class 15.
Hoffmann-La Roche Inc., Nutley, N. J. Sedatives and hypnotics. Serial No. 555,267, Nov. 16. Class 6.
Homart Foods, Inc., Chicago, Ill. Prepared dry mixes for baking rolls. Serial No. 528,863, Nov. 16. Class 46.
Howell, William C., doing business as The Alkalax Company, Colorado Springs, Colo. Preparation for the relief of gastric hyperacidity or gaseous discomfort. Serial No. 546,850, Nov. 16. Class 6.
Illinois Bio Company: *See*—
Clark, Herbert L.
Illinois Watch Case Co., Elgin, Ill. Watches, watch movements, and watch cases. Serial Nos. 546,105–6, Nov. 16. Class 27.
Ingraham, E., Company, The, Bristol, Conn. Clocks and watches. Serial Nos. 545,988–9, Nov. 16. Class 27.
International Paper Company, New York, N. Y. Butchers' wrapping paper. Serial No. 543,813, Nov. 16. Class 37.
Jack's Tackle Manufacturing Co., Oklahoma City, Okla. Fishing floats or lures. Serial No. 539,982, Nov. 16. Class 22.
Jo-N-Art Co., Inc., San Francisco, Calif. Ladies' and misses' dresses. Serial No. 542,769, Nov. 16. Class 39.
Joseph & Feiss Co., The, Cleveland, Ohio. Overcoats and topcoats for men and boys. Serial No. 516,078, Nov. 16. Class 39.
K & L Auto Upholstering Co., Washington, D. C. Tops for convertible-type automobiles. Serial No. 548,166, Nov. 16. Class 19.
Kabo Corset Company, Chicago, Ill. Brassières. Serial Nos. 540,285–7, Nov. 16. Class 39.
Kaddy-King, Inc., Renton, Wash. Hand-propelled carts. Serial No. 534,450, Nov. 16. Class 19.
Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich. Waxed wrapping paper, parchmentized wrapping paper, enameled and glazed shelf and lining paper, etc. Serial No. 515,881, Nov. 16. Class 37.
Karmen, B. H., doing business as Foods Of California, Chatsworth, Calif. Cookies. Serial No. 515,566, Nov. 16. Class 46.
Kershaw, A., & Sons, Limited, Leeds and London, England. Binoculars. Serial No. 513,431, Nov. 16. Class 26.
King Quality Products Co., St. Louis, Mo., and Indianapolis, Ind. Vehicle wheel suspension and steering mechanism parts. Serial No. 519,198, Nov. 16. Class 19.
Kraft Foods Company, Chicago, Ill. Cheese. Serial No. 537,463, Nov. 16. Class 46.
Kumar Kompany, Inc., Thomasville, Ga. Chemical cleaning compound. Serial No. 537,804, Nov. 16. Class 4.
La Société de Personnes à Responsabilité Limitée Tricolux, Bruxelles, Belgium. Knitted wearing apparel. Serial No. 495,702, Nov. 16. Class 39.
Lambda Sigma Fraternity, Philadelphia, Pa. Periodical publication. Serial No. 552,669, Nov. 16. Class 38.
Landau, Sam, New York, N. Y. Ladies' and misses' slips, nightbowns, negligees, etc. Serial No. 533,177, Nov. 16. Class 39.

Lee & Cady, Detroit, Mich. Canned food products. Serial No. 511,625, Nov. 16. Class 46.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's fur felt hats and men's straw hats. Serial No. 551,642, Nov. 16. Class 39.
Le Sage Company, Dallas, Tex. Whiskey. Serial No. 539,218, Nov. 16. Class 49.
Lindstaedt & King, San Anselmo, Calif. Portable ovens. Serial No. 547,639, Nov. 16. Class 34.
Lorillard, P., Company, New York, N. Y. Shewing tobacco. Serial No. 536,919, Nov. 16. Class 17.
Ludington-Griswold, Inc., Saybrook, Conn. Toy gliders. Serial No. 510,850, Nov. 16. Class 22.
Luziers, Inc., Kansas City, Mo. Perfume. Serial No. 512,008, Nov. 16. Class 6.
Marietta Mills: *See*—
Corley, Clifton.
Marshall Field & Company, Chicago, Ill. Employes' magazine. Serial No. 553,839, Nov. 16. Class 38.
Mayborn Products Limited, Upper Norwood S. E. 19, England. Textile dyes and dyestuffs. Serial Nos. 542,855–6, Nov. 16. Class 6.
McBee Company, The, Athens, Ohio. Office machines and tools. Serial No. 469,844, Nov. 16. Class 23.
Meat Industry Suppliers, Inc., Chicago, Ill. Seasoning powder. Serial No. 500,678, Nov. 16. Class 46.
Metal Textile Corporation, West Orange, N. J. Pot cleaners. Serial No. 553,886, Nov. 16. Class 4.
Meyercord Company, The, Chicago, Ill. Decalcomanias. Serial No. 535,583, Nov. 16. Class 38.
Meyercord Company, The, Chicago, Ill. Decalcomanias. Serial No. 536,414, Nov. 16. Class 38.
Michigan Photo Shutter Company, Kalamazoo, Mich. Camera shutters. Serial No. 532,475, Nov. 16. Class 26.
Midwestern Phosphate Corporation, Madison, Wis. Fertilizer compounds. Serial No. 541,563, Nov. 16. Class 10.
Mikesell, D. W., Inc., Dayton, Ohio. Potato chips, pretzels, noodles, etc. Serial No. 530,832, Nov. 16. Class 46.
Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Varnish. Serial No. 539,606, Nov. 16. Class 16.
Mitchell & Ness, Inc., Philadelphia, Pa. Footballs. Serial No. 518,306, Nov. 16. Class 22.
Moncrief-Lenoir Manufacturing Company, Houston, Tex. Gutters, downspouts, ridge rolls, etc. Serial No. 544,894, Nov. 16. Class 12.
Mooresville Mills, Inc., Mooresville, N. C. Rayon piece goods. Serial No. 536,626, Nov. 16. Class 42.
Morris, Norman M., New York, N. Y. Watches, watch dials, clocks, and clock dials. Serial No. 534,649, Nov. 16. Class 27.
Murphy, Brill & Sahner, Inc., New York, N. Y. Hosiery. Serial No. 533,042, Nov. 16. Class 39.
Musselman, C. H., Company, The, Biglerville, Pa. Canned fruits, fruit jellies, apple butter, etc. Serial No. 502,830, Nov. 16. Class 46.
National Airlines, Inc., Miami, Fla. Air transportation of passengers, freight, express and mail. Serial No. 538,029, Nov. 16. Class 55.
National Folding Box Company, Inc., New Haven, Conn. Folding carboard and paperboard boxes and cartons and cut and scored blanks therefor. Serial No. 524,075, Nov. 16. Class 2.
National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. Serial No. 543,962, Nov. 16. Class 42.
National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. Serial No. 543,969, Nov. 16. Class 42.
National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. Serial No. 543,971, Nov. 16. Class 42.
National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. Serial Nos. 543,973–4, Nov. 16. Class 42.
National Paper Products Co., Inc., Brockton, Mass. Drinking straws made of paper. Serial No. 539,337, Nov. 16. Class 50.
Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, book, index and onionskin paper, boxed stationery, tablets, etc. Serial Nos. 542,866–7, Nov. 16. Class 37.
Northwestern Mutual Fire Association, Seattle, Wash. Fire, extended coverage, windstorm, etc., insurance. Serial No. 529,682, Nov. 16. Class 55.
Olivieri, Natole, doing business as Yoo-Hoo Chocolate Beverage Co., assignor to Yoo-Hoo Chocolate Beverage Co., Garfield, N. J. Nonalcoholic maltless beverage. Serial No. 539,343, Nov. 16. Class 45.
O-So Grape Co., Chicago, Ill. Non-alcoholic, non-cereal, maltless beverages and extracts, concentrates, and syrups for making the same. Serial No. 504,127, Nov. 16. Class 45.
Palomar Company, The, Los Angeles, Calif. Watches and clocks. Serial No. 547,570, Nov. 16. Class 27.
Pantasote Company, The, Passaic, N. J. Dressing for automobile tops. Serial No. 555,624, Nov. 16. Class 4.
Parfex Company: *See*—
Williams, William L.
Pfeiffer's Food Products, Inc., Buffalo, N. Y. Salad dressing. Serial No. 534,554, Nov. 16. Class 46.
Pilgrim Laundry, Inc., The, Brooklyn, N. Y. Laundry, dry-cleaning, shirt repairs, etc. Serial No. 529,295, Nov. 16. Class 55.
Pilgrim Laundry, Inc., The, Brooklyn, N. Y. Laundry, dry-cleaning, shirt repairs, etc. Serial Nos. 529,690–1, Nov. 16. Class 55.
Planet Industries, Inc., Milwaukee, Wis. Board game. Serial No. 561,638, Nov. 16. Class 22.
Porto-Sight Company, Inc., Kansas City, Mo. Collapsible focusing field glasses. Serial No. 536,547, Nov. 16. Class 26.
Pritchard, J. F., & Co., Kansas City, Mo. Air treaters. Serial No. 540,710, Nov. 16. Class 34.
Pritchard, J. F., & Co., Kansas City, Mo. Atmospheric heat exchangers of the finned tube type. Serial No. 540,711, Nov. 16. Class 34.
Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. Serial No. 527,688, Nov. 16. Class 4.
Quaker Manufacturing Company, Chicago, Ill. Oil burning space heaters. Serial No. 547,030, Nov. 16. Class 34.
Radio Corporation of America, New York, N. Y. Specially designed motor truck. Serial No. 543,524, Nov. 16. Class 21.
Ralston Purina Company, St. Louis, Mo. House-organ magazine. Serial No. 552,709, Nov. 16. Class 38.
Ralston Purina Company, St. Louis, Mo. House-organ magazine. Serial No. 552,712, Nov. 16. Class 38.
Redmond, William F., doing business as Zero-Moth Manufacturing Co., Summit, N. J. Mothproofing fluid. Serial No. 524,481, Nov. 16. Class 6.
Red River Valley Popcorn Co., Hugo, Okla. Packaged shelled popcorn. Serial No. 537,827, Nov. 16. Class 46.
Riegel Textile Corporation, New York, N. Y. Diapers. Serial Nos. 534,817–18, Nov. 16. Class 39.
Robbins Tire and Rubber Company, Inc., Tuscumbia, Ala. Inner tubes for pneumatic tires. Serial Nos. 516,217–18, Nov. 16. Class 35.
Robbins Tire and Rubber Company, Inc., Tuscumbia, Ala. Inner tubes for pneumatic tires. Serial No. 516,314, Nov. 16. Class 35.
Robertson Factories, Inc., New York, N. Y. Window curtains. Serial No. 520,832, Nov. 16. Class 42.
Robertson Factories, Inc., New York, N. Y. Window curtains. Serial No. 522,459, Nov. 16. Class 42.
Rochelle Asparagus Company, Rochelle, Ill. Canned asparagus. Serial No. 537,831, Nov. 16. Class 46.
Rodof Textile Company, New York, N. Y. Wide vinyl-coated elastic fabrics and webbing in the piece. Serial No. 518,909, Nov. 16. Class 42.
Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial No. 536,295, Nov. 16. Class 39.
Sampson Medicine Company, Winston-Salem, N. C. Laxative medicine and anodyne. Serial No. 556,289, Nov. 16. Class 6.
Sandlot Sports Association, Inc., Philadelphia, Pa. Monthly publication. Serial No. 553,522, Nov. 16. Class 38.
Sanger Citrus Association, Sanger, Calif. Fresh citrus fruits. Serial No. 536,957, Nov. 16. Class 46.
Schering Corporation, Bloomfield, N. J. Penicillin lozenges. Serial No. 559,121, Nov. 16. Class 6.
Schulte, D. A., Inc., New York, N. Y. Wallets. Serial No. 554,714, Nov. 16. Class 3.
Schwarzenbach-Huber Company, The, New York, N. Y. Broad silks in the piece. Serial No. 553,411, Nov. 16. Class 42.
Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics in the piece. Serial No. 553,911, Nov. 16. Class 42.
Scruggs, Barney T., doing business as Big Chief Medicine Company, Charlotte, N. C. Medicines. Serial No. 537,247, Nov. 16. Class 6.
Security Steel Equipment Corporation, Township of Woodbridge, N. J. Filing cases, cabinets, and stacks, etc. Serial No. 538,183, Nov. 16. Class 32.
Sherman Bows: *See*—
Sherman, Sol.
Sherman, Robert, New York, N. Y. Eyeglass frames. Serial No. 547,875, Nov. 16. Class 26.
Sherman, Sol, doing business as Sherman Bows, New York, N. Y. Bow ties. Serial No. 535,751, Nov. 16. Class 39.
Silver Bruce Packing Co., Fresno, Calif. Fresh grapes and melons and fresh vegetables. Serial No. 496,478, Nov. 16. Class 46.
Sno-Flake Products Co., Detroit, Mich. Hand rubbing compound, wheel polishing paste and rubber dressing. Serial No. 523,712, Nov. 16. Class 4.
Société de Produits Chimiques des Terres Rares, Paris, France. Rare earths, chemical elements having the atomic numbers 39 and 57 to 71 in Mendeleieff's classification, and the rare earth oxides. Serial No. 507,435, Nov. 16. Class 1.
South Bend Bait Company, South Bend, Ind. Fishing rods, fishing reels, fishing lines, etc. Serial No. 539,572, Nov. 16. Class 22.
Southern Knitwear Mills, Inc., Charlotte, N. C. Children's clothing. Serial No. 509,539, Nov. 16. Class 39.
Spalding, A. G., & Bros., Inc., Chicopee, Mass. Golf clubs. Serial No. 536,555, Nov. 16. Class 22.
Spalding, A. G., & Bros., Inc., Chicopee, Mass. Golf clubs. Serial No. 536,653, Nov. 16. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, etc. Serial No. 537,629, Nov. 16. Class 22.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. Serial No. 537,632, Nov. 16. Class 22.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls and golf clubs. Serial No. 540,209, Nov. 16. Class 22.
Sponge Rubber Products Company, The, Shelton, Conn. Resilient highly compressible material. Serial No. 495,768, Nov. 16. Class 1.
Standard Brands Incorporated, New York, N. Y. Tea. Serial No. 522,123, Nov. 16. Class 46.
Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 527,532, Nov. 16. Class 46.
Steel Products Engineering Company, The, Springfield, Ohio. Heating equipment. Serial No. 547,494, Nov. 16. Class 34.
Stork Woolens, Inc., New York, N. Y. Baby blankets. Serial No. 554,626, Nov. 16. Class 42.
Strong Cobb & Company, Inc., Cleveland, Ohio. Botanical drug. Serial No. 553,427, Nov. 16. Class 6.
Sweet-Orr & Co., Inc., New York and Wappingers Falls, N. Y. Trousers, breeches and jackets. Serial No. 531,054, Nov. 16. Class 39.
Tennant, G. H., Company, Minneapolis, Minn. Mop oil. Serial No. 557,090, Nov. 16. Class 4.
Texas Soap Manufacturing Corporation, Houston, Tex. Granulated, liquid, bar, and flakes soaps. Serial No. 489,424, Nov. 16. Class 4.
Theobald Industries, The, Kearny, N. J., Reckord, Md., and Taylorsville, Ky. General household cleaner, paint and wall wash, auto wash, etc. Serial No. 544,221, Nov. 16. Class 4.
Treasure Company, Milwaukee, Wis. Memorandum pads, address books, engagement books. Serial No. 542,894, Nov. 16. Class 37.
Triangle Publications, Inc., Philadelphia, Pa. Broadcasting facsimile editions of a newspaper. Serial No. 528,829, Nov. 16. Class 55.
Tryon, Edw. K., Company, Philadelphia, Pa. Fishing rods, fishing reels, artificial fish baits, etc. Serial No. 503,023, Nov. 16. Class 22.
Tucker Corporation, Chicago, Ill. Automobiles and structural parts thereof. Serial No. 536,975, Nov. 16. Class 19.
Tung-Sol Lamp Works, Inc., Newark, N. J. Technical data publications. Serial No. 518,406, Nov. 16. Class 38.
Underwood, Rex, Portland, Oreg. Exercising devices. Serial No. 501,146, Nov. 16. Class 22.
United Plastic Corporation, Clinton, Mass. Plastic milk bottle caps. Serial No. 534,569, Nov. 16. Class 50.
United World Films, Inc., New York, N. Y. Motion picture films. Serial No. 535,200, Nov. 16. Class 26.
Valcort Hosiery Corporation, New York, N. Y. Ladies' hosiery. Serial No. 536,177, Nov. 16. Class 39.
Valley Evaporating Co., Yakima, Wash. Evaporated fruits, dehydrated potatoes, jams, etc. Serial No. 534,697, Nov. 16. Class 46.
Wanamaker, John, Philadelphia, Pa. Perfume, toilet creams, toilet water, etc. Serial No. 545,201, Nov. 16. Class 6.
Weiss, Theo., & Co., Inc., New Orleans, La. Men's trousers. Serial No. 539,462, Nov. 16. Class 39.
Welco Products Co., Kansas City, Mo. Combined food cooking and serving utensil. Serial No. 508,344, Nov. 16. Class 13.
Wellington Sears Company, New York, N. Y. Piece goods. Serial No. 548,439, Nov. 16. Class 42.
Western Bronze and Foundry Corporation, Phoenix, Ariz. Pipes, traps, pipe bends, etc. Serial No. 503,962, Nov. 16. Class 13.
Westfield Manufacturing Company, The, Westfield, Mass. Bicycles and parts thereof. Serial No. 499,297, Nov. 16. Class 19.
Westfield Manufacturing Company, The, Westfield, Mass. Bicycles and parts thereof. Serial No. 536,471, Nov. 16. Class 19.
Whitehead Metal Products Company, Inc., New York, N. Y. 50/50 solder. Serial No. 550,108, Nov. 16. Class 14.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heating elements and parts thereof. Serial No. 527,635, Nov. 16. Class 21.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heating elements, and parts thereof. Serial No. 527,637, Nov. 16. Class 21.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heating elements, and parts thereof. Serial No. 527,928, Nov. 16. Class 21.
Williams, William L., doing business as Parfex Company, Los Angeles, Calif. Toy construction blocks. Serial No. 498,047, Nov. 16. Class 22.
Wilmington Hosiery Mills, Inc., Wilmington, Del. Hosiery. Serial No. 538,578, Nov. 16. Class 39.
Wilson Welder and Metals Co. Inc., assignor to Air Reduction Sales Company, New York, N. Y. Arc welding machines. Serial No. 505,545, Nov. 16. Class 21.
Wolf Brothers & Co., Red Lion, Pa. Cigars. Serial No. 544,492, Nov. 16. Class 17.
Wool, F. G., Packing Company, San Jose, Calif. Canned fruits, canned fruit cocktail and canned fruits for salads. Serial No 540,509, Nov. 16. Class 46.
X Sales & Distributing Company: *See*— Headman, Sam T.
Yoo-Hoo Chocolate Beverage Co., assignee: *See*— Olivieri, Natole.
Zero-Moth Manufacturing Co.: *See*— Redmond, William F.
Ziv Steel & Wire Co., Chicago, Ill. Monthly publication. Serial No. 542,387, Nov. 16. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

A. B. T. Manufacturing Corp., Chicago, Ill. Air rifles. 386,558, Apr. 15, 1941. Republished Nov. 16. Class 9.
A. B. T. Manufacturing Corp., Chicago, Ill. Air rifles. 390,137, Sept. 9, 1941. Republished Nov. 16. Class 9.
A. B. T. Manufacturing Corp., Chicago, Ill. Coin slides for coin-operated amusement devices and machines. 422,051, July 2, 1946. Republished Nov. 16. Class 22.
Ackerman, Simon, by Simon Ackerman Clothes, Inc., New York, N. Y. Men's clothing. 179,009–10, Feb. 5, 1924. Republished Nov. 16. Class 39.
Ackerman, Simon, Clothes, Inc.: *See*— Ackerman, Simon.
Ackerman, Simon, Clothes, Inc., by Simon Ackerman Clothes, Inc. (1941), New York, N. Y. Men's suits and topcoats. 196,674, Mar. 24, 1925. Republished Nov. 16. Class 39.
Ackerman, Simon, Clothes, Inc., by Simon Ackerman Clothes, Inc. (1941), New York, N. Y. Men's and young men's coats, vests, trousers, etc. 228,713, June 7, 1927. Republished Nov. 16. Class 39.
Ackerman, Simon, Clothes, Inc., by Simon Ackerman Manufacturers & Tailors, Inc., New York, N. Y. Clothing and accessories. 342,491, Jan. 19, 1937. Republished Nov. 16. Class 39.
Ackerman, Simon, Clothes, Inc., (1941): *See*— Ackerman, Simon, Clothes, Inc.
Ackerman, Simon, Manufacturers & Tailors, Inc.: *See*— Ackerman, Simon, Clothes, Inc.
Albner Remedy Co.: *See*— Tonge, Elizabeth H.
Allen, C. S., Corporation, Webster, Mass. Candies. 216,382, Aug. 10, 1926. Republished Nov. 16. Class 46.
Allen, C. S., Corporation, Webster, Mass. Candy. 323,250, Apr. 9, 1935. Republished Nov. 16. Class 46.
Allied Chemical & Dye Corporation: *See*— National Aniline & Chemical Company. National Aniline & Chemical Company, Inc. National Aniline & Chemical Company, Incorporated.
Aluminum Goods Manufacturing Co., Manitowoc, Wis. Aluminum-ware. 229,399, June 28, 1927. Republished Nov. 16. Class 13.
American Brake Shoe Company: *See*— American Brake Shoe and Foundry Company. American Brake Shoe & Foundry Company. Ramapo Ajax Corporation.
American Brake Shoe Company, New York, N. Y. Composition bearings, machinery shaft couplings; slides, etc. 404,753, Dec. 21, 1943. Republished Nov. 16. Classes 23, 31, 35.
American Brake Shoe Company, New York, N. Y. Rail lubricators. 423,512, Sept. 3, 1946. Republished Nov. 16. Class 23.
American Brake Shoe & Foundry Company, Mahwah, N. J., and New York, N. Y., by American Brake Shoe Company, New York, N. Y. Brake shoes. 74,793–4, Aug. 10, 1909. Republished Nov. 16. Class 19.
American Brake Shoe & Foundry Company, Mahwah, N. J., and New York, N. Y., by American Brake Shoe Company, New York, N. Y. Brake shoes. 106,193, Oct. 19, 1915. Republished Nov. 16. Class 19.
American Brake Shoe & Foundry Company, Mahwah, N. J., and New York, N. Y., by American Brake Shoe Company, New York, N. Y. Brake shoes. 106,280, Oct. 19, 1915. Republished Nov. 16. Class 19.
American Brake Shoe & Foundry Company, Wilmington, Del., by American Brake Shoe Company, New York, N. Y. Castings made from metal. 87,141, July 2, 1912. Republished Nov. 16. Class 14.
American Brake Shoe and Foundry Company, Wilmington, Del., and New York, N. Y., by American Brake Shoe Company, New York, N. Y. Brake shoes. 288,054, Oct. 20, 1931. Republished Nov. 16. Class 19.
American Engineering Steel & Tool Co.: *See*— Karlsen, Eugene S.
American Greeting Publishers Inc.: *See*— Sapirstein, Jacob.

American Oil & Supply Company, Newark, N. J. Oil and grease lubricants, anti-corrosive oils and greases, gun oils, etc. 412,805–7, Mar. 27, 1945. Republished Nov. 16. Class 15.
American Oil & Supply Company, Newark, N. J. Oil for lubrication. 414,468, June 12, 1945. Republished Nov. 16. Class 15.
American Optical Company, Southbridge, Mass. Ophthalmic diagnostic instruments. 441,304, Nov. 16; Serial No. 491,945, published Aug. 24, 1948. Class 26.
American Pearl Company, Providence, R. I. Ornamental jewelry. 441,325, Nov. 16; Serial No. 512,478, published Aug. 10, 1948. Class 28.
American Seedless Raisin Company, San Francisco, Fresno, and Del Rey, by American Seedless Raisin Company, San Francisco, Calif. Dried raisins. 198,862, May 26, 1925. Republished Nov. 16. Class 46.
American Spirits, Inc., New York, N. Y., by Gordon-O'Neill Company, Jersey City, N. J. Whiskey. 317,951, Oct. 9, 1934. Republished Nov. 16. Class 49.
American Spirits, Inc., New York, N. Y. Apricot liqueur. 387,878, June 3, 1941. Republished Nov. 16. Class 49.
American Standard Watch Case Company, Inc., Providence, R. I., and New York, to Bulova Watch Company, Inc., New York, N. Y. Wrist or strap watches. 241,737, renewed May 8, 1948. O. G. Nov. 16. Class 27.
American Varnish Company, The, Chicago, Ill. Varnishes. 39,044, Oct. 14, 1902. Republished Nov. 16. Class 16.
Anaheim Cooperative Orange Association, Anaheim, Calif. Fresh citrus fruits. 203,887, Sept. 29, 1925. Republished Nov. 16. Class 46.
Andersen Corporation: *See*— Andersen Lumber Company.
Andersen Lumber Company, Hudson, Wis., and South Stillwater, Minn., by Andersen Corporation, Bayport, Minn. Wooden window and door frames. 135,591, Oct. 19, 1920. Republished Nov. 16. Class 12.
Andersen Lumber Company, Hudson, Wis., and South Stillwater, Minn., by Andersen Corporation, Bayport, Minn. Wooden window and door frames. 136,745, Nov. 9, 1920. Republished Nov. 16. Class 12.
Andersen Lumber Company, by Andersen Corporation, Bayport, Minn. Wooden window and door frames. 260,699, Aug. 27, 1929. Republished Nov. 16. Class 12.
Apparatus Development Company, Wethersfield, Conn. Apparatus for electrically indicating the conductivity of aqueous solutions of acids, alkalies and salts. 441,322, Nov. 16; Serial No. 509,555, published Aug. 24, 1948. Class 26.
Arco Company, The, Cleveland, Ohio. Glove to be used as a paint applicator. 503,887, Nov. 16; Serial No. 529,432, published Aug. 17, 1948. Class 29.
Arkwright, Incorporated, New York, N. Y. Canes, parasols, and umbrellas. 422,587, July 30, 1946. Republished Nov. 16. Class 41.
Arlin Products, Incorporated, Detroit, Mich. Electric gauging mechanisms. 441,313, Nov. 16; Serial No. 504,024, published Aug. 24, 1948. Class 26.
Armour and Company, Chicago, Ill. Coated abrasive products. 503,881, Nov. 16; Serial No. 528,674, published Aug. 17, 1948. Class 4.
Armstrong Cork Company, Lancaster, Pa. Composition of oxidized linseed oil on an asphaltum impregnated felt base. 223,736, Feb. 8, 1927. Amended. O. G. Nov. 16. Class 20.
Artmart Linen Co., Inc., New York, N. Y. Decorative linens. 203,007, Sept. 8, 1925. Republished Nov. 16. Class 42.
Associated Art Service: *See*— Maurath, Vincent.
Atkins & Durbow, Inc., New York, N. Y. Peat moss. 307,636. Oct. 31, 1933. Republished Nov. 16. Class 1.
Atlantic Refining Company, The, Philadelphia, Pa. All-purpose cleaning compound. 503,973, Nov. 16; Serial No. 543,053, published Aug. 17, 1948. Class 4.
Atlantis Importers & Distributors, Inc., New York, N. Y. Beer and ale. 378,804, June 18, 1940. Republished Nov. 16. Class 48.
Atlas Powder Company: *See*— Waukegan Chemical Company.
Atlas Powder Company, Wilmington, Del. Lacquers, lacquer enamels, paintlike compound, etc. 336,585, July 7, 1936. Republished Nov. 16. Class 16.
Augsburg Publishing House, Minneapolis, Minn. Publication. 349,372, Aug. 24, 1937. Republished Nov. 16. Class 38.
Automatic Draft & Stove Co., Inc., Lynchburg, Va. Automatically-controlled wood burning heaters. 503,898, Nov. 16; Serial No. 529,739, published Aug. 17, 1948. Class 34.
Avon Products, Inc., New York, N. Y. Base coat for nail polish. 504,037, Nov. 16; Serial No. 531,186. Class 6.
Balfour, Guthrie & Co., Limited: *See*— Balfour, Williamson and Company.
Balfour, Williamson and Company, by Balfour, Guthrie & Co., Limited, New York, N. Y. Oils. 164,415, Feb. 20, 1923. Republished Nov. 16. Class 16.
Bamberger, L., & Co., Newark, N. J. Sheets and pillow cases. 503,993, Nov. 16; Serial No. 545,685, published Aug. 10, 1948. Class 42.
Bancroft, Joseph, & Sons Company, Wilmington, Del. Cotton piece goods. 501,558, Aug. 17, 1948. Corrected. O. G. Nov. 16. Class 42.
Bancroft-Rellim Corp.: *See*— Miller, Morris.
Barber Asphalt Paving Company, The, Philadelphia, Pa., to Barber Oil Corporation, New York, N. Y. Bituminous roofing, roofing-felt, bituminous roofing-cement, etc. 71,934, re-renewed Dec. 22, 1948. O. G. Nov. 16. Class 12.
Barber Oil Corporation: *See*— Barber Asphalt Paving Company, The.
Barrell, William L., Co., New York, N. Y., Boston and Lawrence, Mass., Chicago, Ill., and St. Louis, Mo. Duck. 84,809, Jan. 9, 1912. Republished Nov. 16. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Shower and window curtains. 503,946, Nov. 16; Serial No. 538,087, published Aug. 10, 1948. Class 42.
Bates, C. J., & Son, Chester, Conn. Manicure implements. 408,267, Aug. 1, 1944. Republished Nov. 16. Class 44.
Battle Creek Equipment Company: *See*— Sanitarium Equipment Company.
Bay Chemical Company, Inc., New Orleans, La. Stock and poultry food. 251,575, Jan. 8, 1929. Republished Nov. 16. Class 46.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 246,437, Sept. 4, 1928. Republished Nov. 16. Class 39.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 248,742, Oct. 30, 1928. Republished Nov. 16. Class 39.
Beaunit Mills, Inc., New York, N. Y. Knitted fabrics in the piece of wool fibres. 503,915, Nov. 16; Serial No. 534,869, published Aug. 3, 1948. Class 42.
Beguelin & Co. S. A., Manufacture des montres "Damas" et "Tramelan Watch Co.," Tramelan-Dessus, Switzerland. Watches, parts of watches and casings. 503,982, Nov. 16; Serial No. 544,247, published Aug. 17, 1948. Class 27.
Bell Aircraft Corporation, Wheatfield, N. Y. Helicopters and structural parts thereof. 441,320–1, Nov. 16; Serial Nos. 507,364–5, published Aug. 17, 1948. Class 19.
Bell & Howell Company, Chicago, Ill. Tripods for photographic cameras. 433,318, Oct. 7, 1947. Republished Nov. 16. Class 26.
Bellak's, James, Sons, Philadelphia, Pa., to Belmont Radio Corporation, Chicago, Ill. Pianos, player-pianos, cabinet piano-players, etc. 70,459, re-renewed Sept. 1, 1948. O. G. Nov. 16. Class 36.
Belmont Radio Corporation: *See*— James Bellak's Sons.
Bendix Aviation Corporation: *See*— Pioneer Instrument Company. Pioneer Instrument Company, Inc.
Bendix Aviation Corporation, Teterboro, N. J. Electrical transmitting and/or receiving devices. 388,445, June 24, 1941. Republished Nov. 16. Class 21.
Bendix Aviation Corporation, Teterboro, N. J. Remote indicating magnetic compasses, etc. 396,990, Aug. 11, 1942. Republished Nov. 16. Class 26.
Bendix Aviation Corporation, Teterboro, N. J. Gyroscopically stabilized earth inductor compasses. 398,779, Nov. 24, 1942. Republished Nov. 16. Class 26.
Bendix Aviation Corporation, doing business as Eclipse-Pioneer Division, Teterboro, N. J. House organ publication. 441,298, Nov. 16; Serial No. 481,771, published Aug. 10, 1948. Class 38.
Bendix Aviation Corporation, Detroit, Mich. Radio receiving and transmitting apparatus. 504,024, Nov. 16; Serial No. 515,153. Class 21.
Bennett Pumps Corporation, Muskegon, to John Wood Manufacturing Company, Inc., Muskegon Heights, Mich., and New York, N. Y. Canopy structure. 252,077, renewed Jan. 22, 1949. O. G. Nov. 16. Class 50.
Berne Manufacturing Company, by Winner, Inc., Berne, Ind. Boys', girls', youths', and misses' cotton, wool, rubber, and leather wearing apparel. 355,379, Mar. 15, 1938. Republished Nov. 16. Class 39.
Bernside Mills: *See*— Bernstein, Charles, & Son.
Bernstein, Charles, & Son, doing business as Bernside Mills, New York, N. Y. Textile fabrics in piece made of wool, cotton, silk, etc. 503,947, Nov. 16; Serial No. 538,090, published Aug. 17, 1948. Class 42.
Bernstein, Samuel S., Los Angeles, Calif. Bottom reenforcing structure. 321,428, Feb. 5, 1935. Republished Nov. 16. Class 32.
Best Textile Corporation, New York, N. Y. Table cloths, textile table tops, napkins, sheets and pillow cases, etc. 441,317, Nov. 16; Serial No. 506,088, published Nov. 18, 1947. Class 42.
Billings & Spencer Company, The: *See*— Coes Wrench Company.
Blackburn, Jasper, Products Corporation, St. Louis, Mo. Solderless connectors. 503,882, Nov. 16; Serial No. 528,985, published Aug. 17, 1948. Class 21.
Blackhawk Mfg. Co., Milwaukee, Wis. Sets of tools. 281,766, Mar. 31, 1931. Republished Nov. 16. Class 23.
Blackhawk Mfg. Co., Milwaukee, Wis. Heads for mechanical and hydraulic jacks. 348,419, July 27, 1937. Republished Nov. 16. Class 23.
Blackton-Fifth Avenue, Ltd., New York, N. Y. Women's and misses' brassières, corsets, and underwear. 375,456, Feb. 20, 1940. Republished Nov. 16. Class 39.

Blackton-Fifth Avenue, Ltd., New York, N. Y. Women's and misses' brassières, corsets, and underwear. 384,943, Feb. 11, 1941. Republished Nov. 16. Class 39.

Blackwell-Wielandy Company, St. Louis, Mo. Pencil and ink tablets, notebooks, composition books, etc. 246,945, renewed Sept. 18, 1948. O. G. Nov. 16. Class 37.

Blanchard, Linus L., Hilliside, N. J. Canes which may be transposed into a stand for holding cameras. 441,348, Nov. 16; Serial No. 520,927, published Aug. 24, 1948. Class 26.

Blish Milling Company, Seymour, Ind. Self-rising wheat flour. 241,092, Apr. 17, 1928. Republished Nov. 16. Class 46.

Block, Alexander E., St. Louis, by Trimfoot Company, Farmington, Mo. Flexible non-metallic supports. 127,901, Dec. 16, 1919. Republished Nov. 16. Class 44.

Blossom Products Corporation, Allentown, Pa. Towels. 503,948, Nov. 16; Serial No. 538,092, published Aug. 10, 1948. Class 42.

Boles, Robert S., Humarock, Mass. Power driven, row, and sail boats. 503,843, Nov. 16; Serial No. 501,306, published Aug. 17, 1948. Class 19.

Bon Ami Company, The, New York, N. Y. Cleaning powder for general household use. 504,032, Nov. 16; Serial No. 519,168. Class 4.

Boren Bicycle Company, Little Rock, Ark. Bicycles. 503,890, Nov. 16; Serial No. 530,372, published Aug. 3, 1948. Class 19.

Borgenicht, Jack, Inc., Forest City, Pa. Women's, children's, and infants' dresses. 433,419, Oct. 14, 1947. Republished Nov. 16. Class 39.

Botany Mills, Inc., Passaic, N. J. Woolen fabrics in the piece. 503,994–5, Nov. 16; Serial Nos. 545,688–9, published Aug. 10, 1948. Class 42.

Botany Mills, Inc., Passaic, N. J. Woolen fabrics in the piece. 503,996, Nov. 16; Serial No. 545,693, published Aug. 10, 1948. Class 42.

Botany Mills, Inc., Passaic, N. J. Woolen fabrics in the piece. 503,997–9, Nov. 16; Serial Nos. 545,695–7, published Aug. 10, 1948. Class 42.

Breen Stone & Marble Company, Kasota, Minn. Blocks of stone. 243,656, June 26, 1928. Republished Nov. 16. Class 12.

Brenner Fabrics, Inc., New York, N. Y. Spun rayon fabric in the piece. 503,975, Nov. 16; Serial No. 543,879, published Aug. 3, 1948. Class 42.

Bright Light Reflector Co., Inc., Bridgeport, Conn. Electric lighting equipment. 503,949, Nov. 16; Serial No. 538,093, published Aug. 10, 1948. Class 21.

Brown, James L., doing business as Jim Brown's Toy Company, Akron, Ohio. Toy wheels and wheel assemblies. 504,019, Nov. 16; Serial No. 503,420. Class 22.

Brown's, Jim, Toy Company: *See*—
Brown, James L.

Bryan Davis Publishing Company, Inc., New York, N. Y. Monthly publication. 367,604, May 23, 1939. Republished Nov. 16. Class 38.

Buckeye Tools Corporation, Dayton, Ohio. Electrically operated portable tools. 503,864, Nov. 16; Serial No. 519,623, published July 27, 1948. Class 21.

Builders Iron Foundry, Providence, R. I. Fluid flow metering nozzles. 360,099, Sept. 6, 1938. Republished Nov. 16. Class 26.

Bulova Watch Company, Inc.: *See*—
American Standard Watch Case Company, Inc.

Bulova Watch Company, Inc., New York, N. Y. Watches and watch movements. 248,827, renewed Oct. 30, 1948. O. G. Nov. 16. Class 27.

Burlington Mills Corporation, Greensboro, N. C. Piece goods, bedspreads, draperies, etc. 504,046, Nov. 16; Serial No. 541,074. Class 42.

Butler, J. W., Paper Co., by Butler Paper Corporations, Chicago, Ill. Writing paper. 65,482, Oct. 8, 1907. Republished Nov. 16. Class 37.

Butler, J. W., Paper Co., by Butler Paper Corporations, Chicago, Ill. Writing paper. 65,484, Oct. 8, 1907. Republished Nov. 16. Class 37.

Butler, J. W., Paper Co., by Butler Paper Corporations, Chicago, Ill. Writing paper. 68,669, Apr. 21, 1908. Republished Nov. 16. Class 37.

Butler, J. W., Paper Company, by Butler Paper Corporations, Chicago, Ill. Book-paper. 77,469, Apr. 12, 1910. Republished Nov. 16. Class 37.

Butler Paper Corporations: *See*—
Butler, J. W., Paper Co.

Cabot, Godfrey L., Boston, Mass. Carbon black. 503,919, Nov. 16; Serial No. 535,794, published Aug. 17, 1948. Class 11.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 190,940, Oct. 28, 1924. Republished Nov. 16. Class 16.

California Farm Products Company, Salinas, Calif. Fresh vegetables. 407,259, May 23, 1944. Republished Nov. 16. Class 46.

Campbells Creek Coal Company, The, Cincinnati, Ohio. Coal. 70,045, July 28, 1908. Republished Nov. 16. Class 1.

Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. 251,864, Jan. 15, 1929. Republished Nov. 16. Class 46.

Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. 260,171, Aug. 20, 1929. Republished Nov. 16. Class 46.

Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. 299,755, Dec. 20, 1932. Republished Nov. 16. Class 46.

Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. 390,971, Oct. 14, 1941. Republished Nov. 16. Class 46.

Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruit. 393,100, Jan. 27, 1942. Republished Nov. 16. Class 46.

Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. 424,608, Oct. 15, 1946. Republished Nov. 16. Class 46.

Canton Cotton Mills, Canton, Ga. Cotton piece goods. 503,928, Nov. 16; Serial No. 536,762, published Aug. 3, 1948. Class 42.

Carbin, Charles W., Co., Inc.: *See*—
Pondel Fabrics, Inc.

Chamberlin Laboratories, Des Moines, Iowa. Lotion. 311,905, Apr. 10, 1934. Republished Nov. 16. Class 6.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Composite sheet weather-proofing material. 353,560, Jan. 11, 1938. Republished Nov. 16. Class 12.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Hand-operated oilers, oil guns, grease guns, etc. 357,833, June 14, 1938. Republished Nov. 16. Class 23.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Non-ferrous metal sheets, rods, wire, etc. 379,755, July 23, 1940. Republished Nov. 16. Class 14.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Whisk brooms, clothes, and hair brushes. 395,235, May 19, 1942. Republished Nov. 16. Class 29.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Combs; and toilet sets. 396,089, June 30, 1942. Republished Nov. 16. Class 40.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Copper anodes, copper electrical bus bars, electric table and floor lamps, etc. 396,518, July 21, 1942. Republished Nov. 16. Class 21.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Base-metal salt-and-pepper shakers, base-metal glass-lined occasional boxes, etc. 397,404, Sept. 8, 1942. Republished Nov. 16. Class 2.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Pyrophoric cigar lighters, candlesticks, condenser tubes. 397,406, Sept. 8, 1942. Republished Nov. 16. Classes 8 and 34.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Bronze and brass bushings, copper hammer heads, copper soldering tools, etc. 397,446, Sept. 8, 1942. Republished Nov. 16. Class 23.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Copper and copper alloy downspouts; copper and copper alloy gutters; copper and copper alloy fittings for downspouts, etc. 397,783, Sept. 22, 1942. Republished Nov. 16. Class 12.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Relish and jam sets. 398,429, Oct. 27, 1942. Republished Nov. 16. Classes 12, 13, and 34.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Rods of copper-base alloys. 403,889, Oct. 19, 1943. Republished Nov. 16. Class 14.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Copper-base rods, wire, and sheets. 420,645, Apr. 23, 1946. Republished Nov. 16. Class 14.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Copper-base tubes. 423,582, Sept. 3, 1946. Republished Nov. 16. Class 13.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Water aerators. 424,370, Oct. 1, 1946. Republished Nov. 16. Class 13.

Chemco Photoproducts Company, Glen Cove and New York, by Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Strip-film cameras, stripping cabinets, etching machines, etc. 353,142, Dec. 28, 1937. Republished Nov. 16. Class 26.

Chemco Photoproducts Company, Inc.: *See*—
Chemco Photoproducts Company.

Chicago Federation of Labor, Chicago, Ill. Periodically and intermittently appearing printed programs, magazines, and labor union directories. 503,844, Nov. 16; Serial No. 502,488, published Aug. 24, 1948. Class 38.

Chicago Federation of Labor, Chicago, Ill. Periodically and intermittently appearing printed programs, magazines, and labor union directories. 503,845, Nov. 16; Serial No. 502,490, published Aug. 24, 1948. Class 38.

Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. 290,320, Jan. 5, 1932. Republished Nov. 16. Class 19.

Church & Dwight Co., Inc., New York, N. Y. Sal soda and baking soda (bicarbonate of soda). 503,869, Nov. 16; Serial No. 526,742, published Aug. 17, 1948. Class 4.

Church & Dwight Co., Inc., New York, N. Y. Sal soda and baking soda (bicarbonate of soda). 503,870, Nov. 16; Serial No. 526,761, published Aug. 17, 1948. Class 4.

Church & Dwight Co., Inc., New York, N. Y. Sal soda, monohydrated carbonate of soda, and baking soda, etc. 503,871, Nov. 16; Serial No. 526,779, published Aug. 17, 1948. Class 4.

Church & Dwight Co., Inc., New York, N. Y. Sal soda and bicarbonate of soda (baking soda). 503,872, Nov. 16; Serial No. 526,792, published Aug. 17, 1948. Class 4.

City Paint Company, St. Louis, by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Ready-mixed paint, paint enamels, varnishes, etc. 317,085, Sept. 11, 1934. Republished Nov. 16. Class 16.

Cleveland Builders Supply & Brick Company, The, by The Cleveland Builders Supply Company, Cleveland, Ohio. Prepared mixture. 160,415, Oct. 24, 1922. Republished Nov. 16. Class 12.

Cleveland Builders Supply Company, The: *See*—
Cleveland Builders Supply & Brick Company, The.

Cleveland Twist Drill Company, The, Cleveland, Ohio. Metal working small tools. 169,822, July 3, 1923. Republished Nov. 16. Class 23.

Cleveland Twist Drill Company, The, Cleveland, Ohio. Metal-working small tools. 208,281, Jan. 26, 1926. Republished Nov. 16. Class 23.

Cleveland Twist Drill Company, The, Cleveland, Ohio. Metal-working small tools. 225,836, Mar. 29, 1927. Republished Nov. 16. Class 23.

Club Razor & Blade Mfg. Corp., Newark, N. J. Razor blades. 332,182, Feb. 4, 1936. Republished Nov. 16. Class 23.

Club Razor & Blade Mfg. Corp., Newark, N. J. Razor blades. 416,767, Sept. 25, 1945. Republished Nov. 16. Class 23.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 252,908, renewed Feb. 19, 1948. O. G. Nov. 16. Class 39.

Coes Wrench Company, Worcester, Mass., by The Billings & Spencer Company, Hartford, Conn. Wrenches. 64,696, Aug. 20, 1907. Republished Nov. 16. Class 23.

Cohn-Hall-Marx Co.: *See*—
Hobbs, William W.

Colibri Lighters Limited, London, England. Ash trays, cigar and cigarette cases and boxes, combination cigarette cases and lighters, etc. 441,305, Nov. 16; Serial No. 496,370, published Apr. 20, 1948. Class 8.

Colorado Milling & Elevator Co., The: *See*—
Dodge City Milling & Elevator Company.
Longmont Farmers Milling & Elevator Company, The.

Colton Razor Blade Company: *See*—
Rubie Blade Corporation.

Columbus Coated Fabrics Corporation: *See*—
Columbus-Union Oil Cloth Co., The.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Chair cushions. 377,727, May 14, 1940. Republished Nov. 16. Class 32.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Textile piece goods. 415,854, Aug. 21, 1945. Republished Nov. 16. Class 42.

Columbus-Union Oil Cloth Co., The, by Columbus Coated Fabrics Corporation, Columbus, Ohio. Oilcloth. 194,212, Jan. 20, 1925. Republished Nov. 16. Class 20.

Columbus-Union Oil Cloth Co., The, by Columbus Coated Fabrics Corporation, Columbus, Ohio. Oiled cloth. 196,264–5, Mar. 17, 1925. Republished Nov. 16. Class 20.

Columbus-Union Oil Cloth Co., The, by Columbus Coated Fabrics Corporation, Columbus, Ohio. Oiled cloth. 196,428, Mar. 17, 1925. Republished Nov. 16. Class 20.

Columbus-Union Oil Cloth Co., The, by Columbus Coated Fabrics Corporation, Columbus, Ohio. Leather simulating cloth. 203,613, Sept. 22, 1925. Republished Nov. 16. Class 50.

Columbus-Union Oil Cloth Co., The, by Columbus Coated Fabrics Corporation, Columbus, Ohio. Oiled cloth. 232,382, Sept. 6, 1927. Republished Nov. 16. Class 20.

Colvin-Templeton, Inc., San Francisco, Calif. Refrigerating apparatus. 366,730, Apr. 25, 1939. Republished Nov. 16. Class 31.

Conde Nast Publications, Inc., The, New York, N. Y. Magazine. 504,006, Nov. 16; Serial No. 548,484, published Aug. 17, 1948. Class 38.

Con-Ferro Paint & Varnish Company: *See*—
City Paint Company.
Con-Ferro Paint and Varnish Co.

Con-Ferro Paint and Varnish Co., The, St. Louis, by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Paint enamel, floor enamel, ready-mixed house paint, etc. 262,821, Oct. 22, 1929. Republished Nov. 16. Class 16.

Con-Ferro Paint and Varnish Company, St. Louis, by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Lacquer, paint enamel, paint thinners, etc. 279,827, Jan. 27, 1931. Republished Nov. 16. Class 16.

Con-Ferro Paint and Varnish Company, St. Louis, by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Ready-mixed paints, paint enamels, paint stipple wall finish, etc. 283,627, June 2, 1931. Republished Nov. 16. Class 16.

Consolidated Cement Corporation, Chicago, Ill. Portland cement. 345,225, Apr. 20, 1937. Republished Nov. 16. Class 12.

Consolidated Cement Corporation, Chicago, Ill. Portland cement. 345,632–3, May 4, 1937. Republished Nov. 16. Class 12.

Continental Aviation and Engineering Corporation, Detroit and Muskegon, Mich. Airplane propellers and propeller hubs and parts thereof. 441,309, Nov. 16; Serial No. 499,390, published July 20, 1948. Class 19.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 315,907, Aug. 14, 1934. Republished Nov. 16. Class 49.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 321,215, Jan. 22, 1935. Republished Nov. 16. Class 49.

Cook Chemical Company, Kansas City, Mo. Insecticides 504,048, Nov. 16; Serial No. 554,952. Class 6.

Cooper's, Incorporated, Kenosha, Wis., Piece goods of linen and cotton mixture. 367,449, May 16, 1939. Republished Nov. 16. Class 42.

Cooper's, Incorporated, Kenosha, Wis. Men's and boys' underwear. 386,835, Apr. 22, 1941. Republished Nov 16. Class 39.

Cooper's, Incorporated, Kenosha, Wis. Men's underwear. 392,113, Dec. 9, 1941. Republished Nov. 16. Class 39.

Cooper's, Incorporated, Kenosha, Wis. Men's underwear. 392,115, Dec. 9, 1941. Republished Nov. 16. Class 39.

Cooper's, Incorporated, Kenosha, Wis. Men's shorts 392,116, Dec. 9, 1941. Republished Nov. 16. Class 39.

Cooper's, Incorporated, Kenosha, Wis. Men's undergarments. 392,119, Dec. 9, 1941. Republished Nov. 16. Class 39.

Cooper's, Incorporated, Kenosha, Wis. Underwear. 399,527, Jan. 12, 1943. Republished Nov. 16. Class 39.

Cooper's, Incorporated, Kenosha, Wis. Men's and boys' underwear. 409,514, Oct. 10, 1944. Republished Nov. 16. Class 39.

Corn Products Refining Company: *See*—
National Starch Co.
National Starch Manufacturing Company, The.

Corn Products Refining Company, Jersey City, N. J., and New York, N. Y., to Corn Products Refining Company, New York, N. Y. Gluten feed. 71,634, re-renewed Dec. 8, 1948. O. G. Nov. 16. Class 46.

Corn Products Refining Company, Jersey City, N. J., and New York, N. Y., to Corn Products Refining Company, New York, N. Y. Dextrins. 71,656, re-renewed Dec. 8, 1948. O. G. Nov. 16. Class 5.

Coro, Inc., New York, N. Y. Necklaces, bracelets, finger rings, etc. 503,945, Nov. 16; Serial No. 537,992, published Aug. 10, 1948. Class 28.

Cortley Curtain Corp., New York, N. Y. Window curtains. 504,030–1, Nov. 16; Serial Nos. 518,755–6. Class 42.

Cory Corporation, Chicago, Ill. Air circulators. 503,902, Nov. 16; Serial No. 532,809, published June 29, 1948. Class 34.

Cotera Brothers: *See*—
Cotera, Vicente.

Cotera, Vicente, doing business as Cotera Brothers, El Paso, Tex. Coffee. 266,266, Jan. 14, 1930. Republished Nov. 16. Class 46.

Coty, Inc., New York, N. Y. Perfume, toilet water, talcum powder, face powder, etc. 503,950–1, Nov. 16; Serial Nos. 538,100–1, published Aug. 10, 1948. Class 6.

Country Club Soda Company, Inc., Springfield, Mass. Cream soda, birch beer, ginger ale, etc. 168,458, May 22, 1923. Republished Nov. 16. Class 45.

Country Club Soda Company, Inc., Springfield, Mass. Whiskey, gin, brandy, etc. 326,424, July 23, 1935. Republished Nov. 16. Class 49.

Country Club Soda Company, Inc., Springfield, Mass. Nonalcoholic, maltless, and noncereal beverages. 366,652, Apr. 25, 1939. Republished Nov. 16. Class 45.

Courtley, Ltd., New York, N. Y. Hair dressings, pre-shave lotion, after shave lotion, etc. 441,355, Nov. 16; Serial No. 524,304, published Aug. 24, 1948. Class 6.

Crotty Manufacturing Corporation, New York, N. Y. Furnaces, boilers, fuelpreheaters. 441,351, Nov. 16; Serial No. 528,947, published July 27, 1948. Class 34.

Crown Stove Works, Chicago, Ill. Coal stoves and ranges and gas stoves and ranges. 503,927, Nov. 16; Serial No. 536,673, published Aug. 17, 1948. Class 34.

Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Steel bars, rods, billets, etc. 70,808, re-renewed Oct. 6, 1948. O. G. Nov. 16. Class 14.

Cumberland Tobacco Works, Nashville, Tenn. Smoking and chewing tobacco. 190,070, Oct. 7, 1924. Republished Nov. 16. Class 17.

Cumberland Tobacco Works, Nashville, Tenn. Plug, twist and smoking tobacco. 196,447, Mar. 17, 1925. Republished Nov. 16. Class 17.

Cumberland Tobacco Works, Inc., Nashville, Tenn. Smoking tobacco. 163,303, Jan. 9, 1923. Republished Nov. 16. Class 17.

Curtis, Helene, Industries, a Division of National Industries, Inc., said National Industries, Inc., now by change of name Helene Curtis Industries, Inc., Chicago, Ill. Shampoo. 503,847, Nov. 16; Serial No. 505,892, published Aug. 24, 1948. Class 6.

Curtis, Helene, Industries, Inc.: *See*—
Curtis, Helene, Industries, a Division of National Industries, Inc.

Dahne, John J.: *See*—
Keiser, James R., Incorporated.

Daily Review Corporation, Rockville Center, N. Y. Newspaper. 504,014, Nov. 16; Serial No. 550,490. Class 38.

Dalis, H. L., Inc., New York, N. Y. Automobile radio receiving antennae, television receiving antennae, frequency modulation receiving antennae, etc. 441,328, Nov. 16; Serial No. 513,557, published Aug. 17, 1948. Class 21.

Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Mills, Inc.

Dan River Mills, Incorporated, Danville, Va. Piece goods of cotton. 503,976, Nov. 16; Serial No. 544,059, published Aug. 3, 1948. Class 42.

Dan River Mills, Incorporated, Danville, Va. Piece goods of cotton. 503,977, Nov. 16; Serial No. 544,060, published Aug. 10, 1948. Class 42.

Dan River Mills, Incorporated, Danville, Va. Sheets, sheetings and pillow cases. 503,978, Nov. 16; Serial No. 544,061, published Aug. 10, 1948. Class 42.

Darling Valve & Manufacturing Company, Williamsport, Pa. Hydrants, floor stands, indicator posts, etc. 258,136, June 25, 1929. Republished Nov. 16. Class 13.

Dawson, Peter, Limited, by Peter Dawson Limited, Glasgow, Scotland. Whisky. 198,969, June 2, 1925. Republished Nov. 16. Class 49.

Dazor Manufacturing Corp., St. Louis, Mo. Electrical lighting fixtures, and brackets and stands. 503,877, Nov. 16; Serial No. 527,914, published July 27, 1948. Class 21.

Dearfield Publishing Company, Chicago, Ill. Comic magazines published in a series. 441,324, Nov. 16; Serial No. 512,055, published Aug. 24, 1948. Class 38.

Demarest, L. McGregor, New York, N. Y. Printed publications. 504,017, Nov. 16; Serial No. 553,347, published Aug. 17, 1948. Class 38.

Dermetics, Inc., New York, N. Y. Self-dispensing rouge and powder puffs. 441,337, Nov. 16; Serial No. 524,599, published Aug. 3, 1948. Class 29.

Detroit Boring Bar Company, The, Detroit, Mich. Expansion-cutter boring bars, reamer bars, counterbores, etc. 267,248, Feb. 18, 1930. Republished Nov. 16. Class 23.

De Tuvaché, M., by Tuvaché, Inc., New York, N. Y. Perfume and cologne. 414,206, May 29, 1945. Republished Nov. 16. Class 6.

Dewar, John, & Sons Limited, Perth, Scotland and London, England. Scotch whisky. 299,532, Dec. 6, 1932. Republished Nov. 16. Class 49.

Dewar, John, & Sons Limited, Perth, Scotland and London, England. Scotch whisky. 301,614, Mar. 7, 1933. Republished Nov. 16. Class 49.

Dewar, John, & Sons Limited, Perth, Scotland and London, England. Whisky. 398,964, Dec. 8, 1942. Republished Nov. 16. Class 49.

Diebold, Incorporated: *See*—
Pratt & Gray Company, Inc.

Diebold, Incorporated, Canton, Ohio. Chests in the nature of strong-boxes and safes, etc. 503,896, Nov. 16; Serial No. 531,318, published Aug. 3, 1948. Class 25.

Diebold, Incorporated, Canton, Ohio. Daylight vault door personnel protective locks. 503,897, Nov. 16; Serial No. 531,319, published July 27, 1948. Class 25.

Di Giorgio Fruit Corporation: *See*—
Indian River Canners, Inc.

Ditto, Incorporated, Chicago, Ill. Paper. 261,099, Sept. 3, 1929. Republished Nov. 16. Class 37.

Diversey Corporation, The, Chicago, Ill. Cleaner in powder form. 503,862, Nov. 16; Serial No. 518,285, published Aug. 17, 1948. Class 4.

Diversey Corporation, The, Chicago, Ill. Metal polish in liquid form. 503,866, Nov. 16; Serial No. 521,248, published Aug. 17, 1948. Class 4.

Diversey Corporation, The, Chicago, Ill. Cleanser in powdered form. 503,867, Nov. 16; Serial No. 522,734, published Aug. 17, 1948. Class 4.

Dodane, Raymond, Besancon (Doubs), France. Watches and clocks. 441,338, Nov. 16; Serial No. 517,562, published July 27, 1948. Class 27.

Dodge City Milling & Elevator Company, Dodge City, Kans., to The Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. 71,289, re-renewed Nov. 17, 1948. O. G. Nov. 16. Class 46.

Domestic Engineering Company, Chicago, Ill. Plumbing and heating periodical. 504,004, Nov. 16; Serial No. 547,435, published Aug. 17, 1948. Class 38.

Donley Brothers Company, The, Cleveland, Ohio. Fireplace dampers, fireplace baskets and grates, etc. 175,033, Oct. 30, 1923. Republished Nov. 16. Classes 2 and 34.

Dorr Company, The, to The Dorr Company, New York, N. Y. Apparatus for the treatment of solids suspended in liquids. 248,626, renewed Oct. 23, 1948. O. G. Nov. 16. Class 23.

Dry Goods Alliance, Inc.: *See*—
Dry Goods Alliance, Inc., The.

Dry Goods Alliance, Inc., The, by Dry Goods Alliance, Inc., New York, N. Y. Sheets, sheetings, and pillow cases. 193,671, Jan. 6, 1925. Republished Nov. 16. Class 42.

Dry Goods Alliance, Inc., The, by Dry Goods Alliance, Inc., New York, N. Y. Hosiery. 215,086, July 13, 1926. Republished Nov. 16. Class 39.

Du Pont, E. I., de Nemours and Company: *See*—
Grasselli Chemical Company, The.

Durite Hosiery Co.: *See*—
Lowin, Paul.

Dynamatic Corporation, Kenosha, Wis. Electric motor-clutches. 503,874, Nov. 16; Serial No. 527,431, published Aug. 17, 1948. Class 21.

E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heaters. 503,967, Nov. 16; Serial No. 541,113, published Aug. 17, 1948. Class 19.

E & L Company, by Woo Gueyteung, Los Angeles, Calif. Fresh vegetables and melons. 410,274, Nov. 21, 1944. Republished Nov. 16. Class 46.

Earnshaw Publications, Inc.: *See*—
Earnshaw Sales Company.

Earnshaw Publications, Inc., Newton, Mass. Buyer's guide or directory. 359,288, Aug. 9, 1938. Republished Nov. 16. Class 38.

Earnshaw Publications, Inc., Newton, Mass. Magazine published monthly. 382,748, Nov. 12, 1940. Republished Nov. 16. Class 38.

Earnshaw Sales Company, Chicago, Ill., by Earnshaw Publications, Inc., Newton, Mass. Magazine published monthly. 189,930–1, Sept. 30, 1924. Republished Nov. 16. Class 38.

Earnshaw Sales Company, Chicago, Ill., by Earnshaw Publications, Inc., Newton, Mass. Magazine published monthly. 214,158, June 15, 1926. Republished Nov. 16. Class 38.

Easterling Company, The, Chicago, Ill. Sterling silver flatware and hollow ware. 503,892, Nov. 16; Serial No. 530,924, published Aug. 10, 1948. Class 28.

Eastman Kodak Company, to Eastman Kodak Company, Rochester, N. Y. Photographic developer. 249,625, renewed Nov. 20, 1948. O. G. Nov. 16. Class 6.

Eclipse-Pioneer Division: *See*—
Bendix Aviation Corporation.

Educational Publishing Corporation, Boston, Mass. Periodical. 504,008, Nov. 16; Serial No. 549,062, published Aug. 17, 1948. Class 38.

Ekco Products Company: *See*—
White and Hallock, Inc.

Elgin National Watch Company, Elgin, Ill. Watches and watch movements. 441,352, Nov. 16; Serial No. 523,950, published Aug. 17, 1948. Class 27.

Elizabeth Arden, Inc., to Elizabeth Arden Sales Corporation, New York, N. Y. Face creams and lotions. 249,634, renewed Nov. 20, 1948. O. G. Nov. 16. Class 6.

Elizabeth Arden Sales Corporation: *See*—
Elizabeth Arden, Inc.

Elliott Knitting Mills, Inc., Hickory, N. C. Hosiery. 237,827, Jan. 17, 1928. Republished Nov. 16. Class 39.

Elmo, Inc., Philadelphia, Pa. Facial creams. 503,934, Nov. 16; Serial No. 537,025, published Aug. 17, 1948. Class 6.

Escalante, Jose, & Co., Chicago, Ill. Cigars. 504,041, Nov. 16; Serial No. 533,241. Class 17.

Esleeck Manufacturing Co., Turners Falls, Mass. Writing paper. 73,561, Apr. 27, 1909. Republished Nov. 16. Class 37.

Esleeck Manufacturing Co., Turners Falls, Mass. Bond-paper, correspondence, non-carbonized typewriter paper, etc. 128,687, Jan. 13, 1920. Republished Nov. 16. Class 37.

Essex Rubber Company, Trenton, N. J. Rubber and composition soles and heels. 127,388, Nov. 11, 1919. Republished Nov. 16. Class 39.

Essex Rubber Company, Trenton, N. J. Rubber and composition soles and heels. 148,830, Nov. 29, 1921. Republished Nov. 16. Class 39.

Essex Rubber Company, Trenton, N. J. Rubber soles. 157,052, July 25, 1922. Republished Nov. 16. Class 39.

Eveready Canvas Corporation, New York, N. Y. Auto seat covers, boat covers and boat sales. 503,880, Nov. 16; Serial No. 528,616, published Aug. 3, 1948. Class 19.

Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. 504,040, Nov. 16; Serial No. 532,697. Class 22.

Faber, A. W., Stein, Germany, by A. W. Faber-Castell Pencil Co., Inc., Newark, N. J. Pencil holders, lead pencils, screw pencils, etc. 86,523, May 14, 1912. Republished Nov. 16. Class 37.

Faber-Castell, A. W., Pencil Co., Inc.: *See*—
Faber, A. W.

Faber, Eberhard, by Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils and rubber erasers. 83,564, Sept. 26, 1911. Republished Nov. 16. Class 37.

Faber, Eberhard, New York, by Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils. 102,396, Feb. 9, 1915. Republished Nov. 16. Class 37.

Faber, Eberhard, by Eberhard Faber Pencil Company, Brooklyn, N. Y. Erasers of rubber. 137,217, Nov. 23, 1920. Republished Nov. 16. Class 37.

Faber, Eberhard, by Eberhard Faber Pencil Company, Brooklyn, N. Y. Ordinary lead pencils, magazine and automatic lead pencils. 139,136, Jan. 25, 1921. Republished Nov. 16. Class 37.

Faber, Eberhard, Pencil Company: *See*—
Faber, Eberhard.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. 232,817, Sept. 20, 1927. Republished Nov. 16. Class 37.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Rubber bands and erasers. 280,845, Mar. 3, 1931. Republished Nov. 16. Class 37.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. 296,015, July 19, 1932. Republished Nov. 16. Class 37.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. 353,788, Jan. 18, 1938. Republished Nov. 16. Class 37.

Fabrique D'horlogerie Lemania Lugrin S. A. Orient, Vallee De Joux, Switzerland. Watches and clocks, watch dials, watch-cases, and parts of watches. 441,326, Nov. 16; Serial No. 512,903, published Aug. 10, 1948. Class 27.

Fabritecture Studio: *See*—
Turner, Oscar A.

Fackler, Langford & Taylor, by Langford & Taylor, Meansville, Ga. Canned fruits and vegetables. 407,807, June 27, 1944. Republished Nov. 16. Class 46.

Fair, The, Chicago, Ill. Soap. 503,925, Nov. 16; Serial No. 536,366, published Aug. 17, 1948. Class 4.

Fairbanks Company, The, New York, N. Y. Hand trucks. 504,042, Nov. 16; Serial No. 534,008. Class 19.

Farkas Bros. Inc., by X-ray Visual Sales Method, Inc., Chicago, Ill. Illustrating books, catalogs, and advertising displays. 342,090, Jan. 5, 1937. Republished Nov. 16. Class 38.

Farm Journal, Inc., Philadelphia, Pa. Column in a magazine. 503,922, Nov. 16; Serial No. 536,070, published Aug. 24, 1948. Class 38.

Farnsworth, Daniel W., New York, N. Y. Textile fabrics in the piece. 503,937, Nov. 16; Serial No. 537,441, published Aug. 17, 1948. Class 42.

Farnsworth, Eva O., by Rhythm Lingerie, Inc., New York, N. Y. Underwear. 85,338, Feb. 13, 1912. Republished Nov. 16. Class 39.

Farrand Optical Co., Inc., New York, N. Y. Optical instruments. 441,362, Nov. 16; Serial No. 487,121. Class 26.

Fawcett Publications, Inc., Greenwich, Conn. Magazine section or department. 504,005, Nov. 16; Serial No. 548,354, published Aug. 17, 1948. Class 38.

Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Photographic cameras and flash units. 503,954, Nov. 16; Serial No. 538,263, published Aug. 24, 1948. Class 26.

Federal Products Corporation, Providence, R. I. Booklets. 441,311, Nov. 16; Serial No. 500,297, published Aug. 17, 1948. Class 38.

Fellows Gasoline Company, by Wilshire Oil Company, Inc., Los Angeles, Calif. Petroleum products. 203,342, Sept. 15, 1925. Republished Nov. 16. Class 15.

Feltault, Arthur J., doing business as Visor-Ads, West Hartford, Conn. Mapholders or jackets adapted for application to sun visors for automobiles. 441,340, Nov. 16; Serial No. 518,882, published Aug. 10, 1948. Class 19.

Feltault, Arthur J., doing business as Visor-Ads., West Hartford, Conn. Holders for maps and the like. 441,346, Nov. 16; Serial No. 520,156, published July 20, 1948. Class 19.

Ferguson, J. L., Company, Joliet, Ill. Packaging machinery. 233,245, Sept. 27, 1927. Republished Nov. 16. Class 23.

Fibrean Corporation, New York, N. Y. Hand trucks of plastic fibre or metal. 441,312, Nov. 16; Serial No. 502,958, published Aug. 17, 1948. Class 19.

Filice & Perrelli Canning Company, Inc., Gilroy, to Filice & Perrelli Canning Company, Inc., Richmond, Calif. Canned fruits, canned vegetables. 247,766, renewed Oct. 2, 1948. O. G. Nov. 16. Class 46.

First Industrial Corporation, Freeport, Ill. Electric switches, mechanical actuator mechanisms for electric switches, etc. 441,319, Nov. 16; Serial No. 506,659, published July 27, 1948. Class 21.

First Texas Chemical Mfg. Co., Dallas, Tex. Pharmaceutical preparation. 441,353, Nov. 16; Serial No. 523,951, published Aug. 10, 1948. Class 6.

Fischer Baking Company, Newark, N. J. Crullers, doughnuts, pies, etc. 252,764, renewed Feb. 12, 1949. O. G. Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 88,404, Sept. 17, 1912. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 88,863, Oct. 29, 1912. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 89,350, Dec. 10, 1912. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 90,183, Feb. 11, 1913. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Stock feed. 124,448, Feb. 18, 1919. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 127,610, Nov. 18, 1919. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 274,651, Sept. 2, 1930. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 281,413, Mar. 17, 1931. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 287,945, Oct. 20, 1931. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 289,704, Dec. 1, 1931. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 295,370, June 28, 1932. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 295,824, July 12, 1932. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 297,979, Oct. 4, 1932. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 306,418, Sept. 19, 1933. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 310,456–7, Feb. 27, 1934. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 315,642, Aug. 7, 1934. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 315,758, Aug. 7, 1934. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 317,478, Sept. 25, 1934. Republished Nov. 16. Class 46.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Cereal product. 325,652, July 2, 1935. Republished Nov. 6. Class 46.

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat product. 370,588, Aug. 29, 1939. Republished Nov. 16. Class 46.

Fisher Governor Company, The, Marshalltown, Iowa. Valves. 78,698, July 5, 1910. Republished Nov. 16. Class 13.

Fisher Governor Company, The, Marshalltown, Iowa. Governors for air-compressors, fire-pumps, boiler feed-pumps, etc. 80,117, Nov. 8, 1910. Republished Nov. 16. Class 23.

Fisher Governor Company, The, Marshalltown, Iowa. Liquid level controllers, steam and air pressure regulators, vacuum regulators, etc. 238,084, Jan. 24, 1928. Republished Nov. 16. Class 13.

Fier, Inc.: *See*—
Stansfeld, Arthur V.

Florida Portland Cement Company, by General Portland Cement Company, Chicago, Ill. Portland cement. 345,226, Apr. 20, 1937. Republished Nov. 16. Class 12.

Florida Portland Cement Company, by General Portland Cement Company, Chicago, Ill. Building and masonry cement. 359,256, Aug. 9, 1938. Republished Nov. 16. Class 12.

Food Machinery Corporation, San Jose, Calif. Amphibian tracked landing vehicles. 441,295, Nov. 16; Serial No. 472,948, published Aug. 10, 1948. Class 19.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 441,336, Nov. 16; Serial No. 517,246, published Oct. 14, 1947. Class 42.

Fox Case Corporation, to Movietonews, Inc., New York, N. Y. Motion pictures. 251,623, renewed Jan. 8, 1949. O. G. Nov. 16. Class 26.

Fox, David, by Fox Trouser Manufacturing Co., Inc., Philadelphia, Pa. Men's and boys' work and dress pants and knickers. 364,728, Feb. 14, 1939. Republished Nov. 16. Class 39.

Fox Trouser Manufacturing Co., Inc.: *See*—
Fox, David.

Frantz, S. G., Co., Inc., New York, N. Y. Magnetic separators. 503,904, Nov. 16; Serial No. 533,156, published July 27, 1948. Class 21.

French Sardine Company of California, The: *See*—
Van Landingham, Charles E.
Van Landingham Co., The.

G and H Manufacturing Co., Philadelphia, Pa. Window wipers. 441,306, Nov. 16; Serial No. 497,930, published Aug. 17, 1948. Class 29.

Gage Publishing Company, The, New York, N. Y. Magazine devoted to the business of electrical goods manufacturers. 503,968, Nov. 16; Serial No. 541,251, published Aug. 10, 1948. Class 38.

Galloway Coal Company, Memphis, Tenn., to Galloway Coal Mining Company, Inc., Carbon Hill, Ala. Coal. 248,168, renewed Oct. 16, 1948. O. G. Nov. 16. Class 1.

Galloway Coal Mining Company, Inc.: *See*—
Galloway Coal Company.

Gantner & Mattern Company: *See*—
Neumann, Arthur E.

Gay-Lark Products: *See*—
Glostex Products, Inc.

Geier, P. A., Company, The, Cleveland, Ohio. Spray attachments for suction cleaners and the like. 244,174, July 17, 1928. Republished Nov. 16. Class 23.

General Aniline & Film Corporation, New York, N. Y. Photographic cameras. 503,910, Nov. 16; Serial No. 534,106, published Aug. 24, 1948. Class 26.

General Chemical Company, New York, N. Y. Heavy chemicals. 354,571–2, Feb. 15, 1938. Republished Nov. 16. Class 6.

General Chemical Company, New York, N. Y. Sodium phosphate detergents. 355,860–1, Apr. 5, 1938. Republished Nov. 16. Class 4.

General Portland Cement Company: *See*—
Florida Portland Cement Company.
Signal Mountain Portland Cement Company.
Trinity Portland Cement Company.

General Time Instruments Corporation: *See*—
Western Clock Mfg. Co., The.

Generator-Ignition Sales Co., Oakland, Calif. Rebuilt electric generators, armatures, starter drives, and fuel pumps. 441,330, Nov. 16; Serial No. 514,757, published July 27, 1948. Class 21.

Georgia Hardwood Lumber Company, Augusta, Ga. Periodical publication pertaining to the lumber industry. 441,350, Nov. 16; Serial No. 523,835, published Aug. 10, 1948. Class 38.

Ghose, Satish C., doing business as India Incense Co., Chicago, Ill. Incense. 503,875, Nov. 16; Serial No. 527,516, published Aug. 17, 1948. Class 6.

Gibson Art Company, The, Cincinnati, Ohio. Greeting cards. 503,979, Nov. 16; Serial No. 544,074, published Aug. 10, 1948. Class 38.

Gibson Refrigerator Company, Greenville, Mich. Electric cooking stoves. 503,916, Nov. 16; Serial No. 535,144, published Aug. 17, 1948. Class 21.

Gift Card & Seal Co.: *See*—
Heyes, Alfred B.

Gillespie Bros., Inc., The, Stamford, Conn. Daily newspaper. 501,823, Aug. 24, 1948. Corrected. O. G. Nov. 16. Class 38.

Ginsberg, S., Sons, Baltimore, Md. Men's and boys' clothing. 247,463, Sept. 25, 1928. Republished Nov. 16. Class 39.

Glas-Col Apparatus Company, assignor to Glas-Col Apparatus Company, Inc., Terre Haute, Ind. Electrical heating mantles and heaters. 503,846, Nov. 16; Serial No. 503,898, published July 27, 1948. Class 21.

Glas-Col Apparatus Company, Inc.: *See*—
Glas-Col Apparatus Company.

Glaser, George, Scranton, Pa. Shoes made of leather, fabric, rubber, and combinations of these materials. 251,230, renewed Jan. 1, 1949. O. G. Nov. 16. Class 39.

Gleaner Combine Harvester Corporation, to Gleaner Harvester Corporation, Independence, Mo. Combined harvester, thresher, and separator. 250,631, renewed Dec. 11, 1948. O. G. Nov. 16. Class 23.

Gleaner Harvester Corporation: *See*—
Gleaner Combine Harvester Corporation.

Glenmore Distilleries Company: *See*—
Glenmore Dist lleries Co.

Glenmore Distilleries Co., Owensboro, by Glenmore Distilleries Company, Louisville, Ky. Whiskey. 394,668, Apr. 21, 1942. Republished Nov. 16. Class 49.

Globe Hoist Company: *See*—
Globe Machinery & Supply Company.

Globe Hoist Company, Des Moines, Iowa. Automobile hoists. 385,917, Mar. 25, 1941. Republished Nov. 16. Class 23.

Globe Hoist Company, Des Moines, Iowa.—Hydraulic lifts. 391,635, Nov. 18, 1941. Republished Nov. 16. Class 23.

Globe Machinery & Supply Company, by Globe Hoist Company, Des Moines, Iowa. Automobile hoist. 269,292, Apr. 1, 1930. Republished Nov. 16. Class 23.

Glostex Products, Inc., doing business as Gay-Lark Products, Chicago, Ill. Automobile seat covers. 503,983, Nov. 16; Serial No. 544,442, published Aug. 3, 1948. Class 19.

Glover, H. Clay, Co., Inc., New York, N. Y. Lotion to be used on the skin. 504,047, Nov. 16; Serial No. 553,488, Class 6.

Gordon-O'Neill Company: *See*—
American Spirits, Inc.

Gorrell Publications, Inc., Washington, D. C. Publication issued by-weekly containing news of interest to war veterans. 504,033, Nov. 16; Serial No. 519,749. Class 38.

Grasselli Chemical Company, The, Cleveland, Ohio, to E. I. du Pont de Nemours and Company, Wilmington, Del. Tinning fluxes. 247,209, renewed Sept. 25, 1948. O. G. Nov. 16. Class 6.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Soap powder, soap grains, soap flakes, hand soap, and household cleanser. 503,952, Nov. 16; Serial No. 538,127, published Aug. 17, 1948. Class 4.

Greene, G. G., Manufacturnig Corporation, Warren, Pa. Metal stampings and hardware. 408,334, Aug. 8, 1944. Republished Nov. 16. Class 13.

Greif, L., & Bro., by L. Greif & Bro., Inc., Baltimore, Md. Men's, boys', youths', and children's coats, vests, and trousers, etc. 66,155, Nov. 12, 1907. Republished Nov. 16. Class 39.

Greif, L., & Bro., by L. Greif & Bro., Inc., Baltimore, Md. Men's and boys' coats, vests, and trousers. 108,049, Jan. 11, 1916. Republished Nov. 16. Class 39.

Greif, L., & Bro., Inc.: *See*—
Greif, L., & Bro.

Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Shoe polishes, shoe blackings, shoe cleansers, etc. 504,001, Nov. 16; Serial No. 546,847, published Aug. 17, 1948. Class 4.

Griffith-Durney Company, San Francisco, to Griffith-Durney Company, Los Angeles, Calif. Canned fruits and vegetables. 69,772, re-renewed July 7, 1948. O. G. Nov. 16. Class 46.

Grocers Baking Company, Inc., Louisville, Ky. Bread. 259,290–1, July 30, 1929. Republished Nov. 16. Class 46.

Gueyteung, Woo: *See*—
E & L Company.

Gunther Brewing Co., Inc., Baltimore, Md. Beer. 357,315, May 31, 1938. Republished Nov. 16. Class 48.

Haines, James A., doing business as Haines Products Company, by James A. Haines, Carey, Ohio. Deodorants. 358,198, June 28, 1938. Republished Nov. 16. Class 6.

Haines Products Company: *See*—
Haines, James A.

Hallman Foundry Co., Inc., Sanford, N. C. Liquid fuel burner. 503,895, Nov. 16; Serial No. 531,208, published June 29, 1948. Class 34.

Hamilton Art Metal Corporation, New York, N. Y. Flashlights. 504,022, Nov. 16; Serial No. 510,951. Class 21.

Hamilton, Robert W., Inc., New York, N. Y. Fabrics in the piece of cotton, rayon, and wool, etc. 503,886, Nov. 16; Serial No. 529,381, published Aug. 17, 1948. Class 42.

Hanna Paint Mfg. Co., The, Columbus, Ohio. Varnish stain. 45,949, Aug. 29, 1905. Republished Nov. 16. Class 16.

Hardwood Products Company: *See*—
Minto Toothpick Company.

Harrower Laboratory, Inc., The: *See*—
Peplow, Geoffrey.

Harrower Laboratory, Inc., The, Glendale, Calif. Solution containing an active principle secured from the interstitial cells of leydig, a medicinal preparation. 242,870, June 5, 1928. Republished Nov. 16. Class 6.

Harry and David: *See*—
Holmes Brothers.

Harte & Co., Inc., New York, N. Y. Thin, transparent or translucent sheets or films of vinyl resin plastic sold as piece goods, etc. 441,303, Nov. 16; Serial No. 491,755, published Nov. 19, 1946. Class 42.

Hartford Battery Manufacturing Company, The, Hartford, Conn., by Hartford Battery Sales Corporation, Waltham, Mass. Storage batteries and parts thereof. 134,677, Sept. 14, 1920. Republished Nov. 16. Class 21.

Hartford Battery Sales Corporation: *See*—
Hartford Battery Manufacturing Company.

Hasslinger, Charles A., doing business as Hasslinger's Battery Service, Baltimore, Md., by Perrine Quality Products Corporation, Waltham, Mass. Batteries. 267,604, Feb. 25, 1930. Republished Nov. 16. Class 21.

Hasslinger's Battery Service: *See*—
Hasslinger, Charles A.

Hearst Consolidated Publications, Inc., Baltimore, Md. Daily newspaper. 377,564, May 7, 1940. Republished Nov. 16. Class 38.

Helwig & Leitch, Baltimore, Md. Food-flavoring extracts, worcestershire sauce, horseradish, etc. 267,115, Feb. 11, 1930. Republished Nov. 16. Class 46.

Hess Company, The: *See*—
Hess Warming & Ventilating Company.

Hess Warming & Ventilating Company, by The Hess Company, Chicago, Ill. Coal, coke, oil, and gas burners and furnaces. 385,001, Feb. 11, 1941. Republished Nov. 16. Class 34.

Hewes & Potter, by Hewes & Potter, Inc., Boston, Mass. Bow neckties. 154,573, Apr. 18, 1922. Republished Nov. 16. Class 39.

Hewes & Potter, Inc.: *See*—
Hewes & Potter.

Heyes, Alfred B., doing business as Gift Card & Seal Co., Chicago, Ill. Decorative gummed paper seals. 441,314, Nov. 16; Serial No. 504,045, published Aug. 10, 1948. Class 38.

Hillman Motor Car Company Limited, Coventry, England. Automobiles. 504,026–7, Nov. 16; Serial No. 516,840–1. Class 19.

Hillyard Chemical Company, St. Joseph, Mo. Furniture-cleaning compound. 251,181, renewed Jan. 1, 1949. O. G. Nov. 16. Class 4.

Hilton Watch Co., Inc., New York, N. Y. Watches. 504,025, Nov. 16; Serial No. 515,879. Class 27.

Hinckley and Schmitt, Chicago, Ill. Drinking water. 503,879, Nov. 16; Serial No. 528,349, published June 1, 1948. Class 45.

Hobbs, William W., doing business as The Sudanette Company, New Bedford, Mass., to Cohn-Hall-Marx Co., New York, N. Y. Sudan cotton cloth in the piece. 250,640, renewed Dec. 11, 1948. O. G. Nov. 16. Class 42.

Hollander-Koshland Co., The, to The Maryland Pharmaceutical Company, Baltimore, Md. Medicine. 144,796, July 19, 1921. New certificate. O. G. Nov. 16. Class 6.

Hollifield, John B., Burlington, N. C. Chemical compound. 504,021, Nov. 16; Serial No. 508,379. Class 6.

Holmes Brothers, also doing business as Holmes Bros. Bear Creek Orchards, by Harry and David, Medford, Oreg. Novelties. 384,686, Jan. 28, 1941. Republished Nov. 16. Class 50.

Holmes Bros. Bear Creek Orchards: *See*—
Holmes Brothers.

Holzapfel's Compositions Company, Limited, New Castle-Upon-Tyne, England, by International Paint Company, Inc., New York, N. Y. Aluminum paint. 62,781, May 28, 1907. Republished Nov. 16. Class 16.

Holzapfels Limited, Newcastle-Upon-Tyne, England, by International Paint Company, Inc., New York, N. Y. Paints and enamels. 74,984, Aug. 24, 1909. Republished Nov. 16. Class 16.

Houghton, E. F., & Co., Philadelphia, Pa. Mixture of inorganic salts having a low melting point. 503,907, Nov. 16; Serial No. 533,572, published Aug. 24, 1948. Class 6.

Hughes Tool Company, by Hughes Tool Company, Houston, Tex. Rotary earth-boring drills and drill-collars. 126,549, Sept. 16, 1919. Republished Nov. 16. Class 23.

Ideal Publishing Corp., New York, N. Y. Magazine. 504,011, Nov. 16; Serial No. 550,046, published Aug. 17, 1948. Class 38.

Imperial Molded Products Corporation, Chicago, Ill. Plastic molded knobs, handles, pulls, etc. 418,665, Jan. 8, 1946. Republished Nov. 16. Class 13.

India Incense Co.: *See*—
Ghose, Satish C.

Indian River Canners, Inc., Fort Pierce, Fla., by Di Giorgio Fruit Corporation, San Francisco, Calif., and Winter Haven, Fla. Citrus fruit juices. 405,150, Jan. 11, 1944. Republished Nov. 16. Class 46.

Industrial Chemical Cleaner Co.: *See*—
Meeker, O. W.

Industrial Electronics Corporation, Newark, N. J. Incandescent, fluorescent, short wave, and ultra violet lamps. 400,946, Apr. 13, 1943. Republished Nov. 16. Classes 21 and 26.

Interchemical Corporation, New York, N. Y. Window curtains and table coverings of coated textile fabric, etc. 503,920–1, Nov. 16; Serial Nos. 535,848–9, published Mar. 16, 1948. Class 42.

International Association, High Twelve Clubs, St. Louis, Mo. Monthly magazine. 441,361, Nov. 16; Serial No. 526,238, published Aug. 24, 1948. Class 38.

International Bedding Company, The, Baltimore, Md. Mattresses, bed springs, and innerspring mattresses. 246,156, renewed Sept. 4, 1948. O. G. Nov. 16. Class 32.

International Harvester Company: *See*—
International Harvester Company of America.

International Harvester Company of America, by International Harvester Company, Chicago, Ill. Monthly periodical. 109,348, Apr. 4, 1916. Republished Nov. 16. Class 38.

International Paint Company, Inc., New York, N. Y. Antifouling marine paints. 380,054, Aug. 6, 1940. Republished Nov. 16. Class 16.

International Paint Company, Inc., New York, N. Y. Paints in ready-mixed form, paint enaamels, varnishes, putties, etc. 432,974, Sept. 23, 1947. Republished Nov. 16. Class 16.

International Paint Company, Inc.: *See*—
Holzapfel's Compositions Company.
Holzapfels Limited.
International Paint & Compositions Company, Limited, The.

International Paint & Compositions Company, Limited, The, London, England, by International Paint Company, Inc., New York, N. Y. Ready-mixed and paste paints. 282,603, Apr. 28, 1931. Republished Nov. 16. Class 16.

International Products Corporation, New York, N. Y. Tanning extracts. 503,891, Nov. 16; Serial No. 530,513, published Aug. 24, 1948. Class 6.

Interstate Milling Company, Charlotte, N. C. Dairy feeds. 441,327, Nov. 16; Serial No. 513,422, published July 27, 1948. Class 46.

Italy Laboratories: *See*—
Martino, Antonino R.

Italy Laboratories, Inc.: *See*—
Martino, Antonino R.

Jackson Brewing Company, New Orleans, La. Malt sirup. 225,381, Mar. 15, 1927. Republished Nov. 16. Class 48.

Jackson Shoe Manufacturing Corporation, New York, N. Y., to H. Jacob & Sons, Inc., Hanover, Pa. Children's shoes. 253,864, renewed Mar. 5, 1949. O. G. Nov. 16. Class 39.

Jackson, Willie W., Houston, Tex. Attachments for commercial wagons, trucks, and trailers, etc. 441,308, Nov. 16; Serial No. 498,902, published Aug. 17, 1948. Class 19.

Jacob, H., & Sons: *See*—
Jackson Shoe Manufacturing Corporation.

Jean-Pascal Lorriaux & Cie., Paris, Seine, France. Perfumes. 441,347, Nov. 16; Serial No. 520,401, published Aug. 17, 1948. Class 6.

Johnson & Johnson, New Brunswick, N. J. Athletic supporters. 322,443, Mar. 5, 1935. Amended. O. G. Nov. 16. Class 44.

Jones, Julius R., by Owens & Minor Drug Co., Inc., Richmond, Va. Scalp preparation. 122,324, July 23, 1918. Republished Nov. 16. Class 6.

Jordan, R. M., and Company, by R. M. Jordan and Company, Inc., Providence, R. I. Jewelry. 422,947, Aug. 20, 1946. Republished Nov. 16. Class 28.

Jordan, R. M., and Company, Inc.: *See*—
Jordan, R. M., and Company.

Joy Manufacturing Company, Pittsburgh, Pa. Axial flow pans. 441,337, Nov. 16; Serial No. 517,487, published Aug. 17, 1948. Class 34.

Juergens & Andersen Company, Chicago, Ill. Manufactured jewelry. 240,017, Mar. 20, 1928. Republished Nov. 16. Class 28.

Kales Stamping Company, by Whitehead Stamping Company, Detroit, Mich. Mirrors for motor vehicles. 170,013, July 10, 1923. Republished Nov. 16. Class 19.

Karlsen, Eugene S., doing business as American Engineering Steel & Tool Co., Chicago, Ill. Portable electric hand manipulable drills. 503,905, Nov. 16; Serial No. 533,319, published Aug. 10, 1948. Class 21.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., to The May Department Stores Company, St. Louis, Mo. Negligee shirts. 250,317, renewed Dec. 4, 1948. O. G. Nov. 16. Class 39.

Keiser, James R., Incorporated, to J. J. Dahne, New York, N. Y. Men's mufflers, neckties, and evening dress protectors, etc. 70,536, re-renewed Sept. 8, 1948. O. G. Nov. 16. Classes 39 and 40.

Kellogg Brush Manufacturing Company, Westfield, Mass. Brushes for clothes, brushes, mops, and dusters, etc. 503,893, Nov. 16; Serial No. 530,938, published July 20, 1948. Class 29.

Kelly-Springfield Tire Company, The, Cumberland, Md. Tires and inner tubes therefor. 504,038, Nov. 16; Serial No. 532,604. Class 35.

Kelly-Springfield Tire Company, The, Cumberland, Md. Tires and inner tubes therefor. 504,039, Nov. 16; Serial No. 532,613. Class 35.

Keystone Cooperative Grape Association, The: *See*—
Keystone Grape Company.

Keystone Grape Company, to The Keystone Cooperative Grape Association, North East, Pa. Baskets and packages of grapes. 70,958, re-renewed Oct. 20, 1948. O. G. Nov. 16. Class 46.

Klppy Kit Company, Circleville, Ohio. Sink mop. 503,956, Nov. 16; Serial No. 539,175, published Aug. 3, 1948. Class 29.

Kirsten Pipe Company, Seattle, Wash. Smoking pipes and cigarette holders. 416,980, Oct. 9, 1945. Republished Nov. 16. Class 8.

Kirsten Pipe Company, Seattle, Wash. Smoking pipes and cigarette holders. 417,460, Oct. 30, 1945. Republished Nov. 16. Class 8.

Kresky Mfg. Co., Inc., Petaluma, Calif. Oil burners and oil burning equipment. 503,863, Nov. 16; Serial No. 518,896, published Aug. 10, 1948. Class 34.

Kuhls, H. B. Fred: *See*—
Kuhls, H. B. Fred, Estate of.

Kuhls, H. B. Fred, Estate of, doing business as H. B. Fred Kuhls, Brooklyn, N. Y. Liquid marine glue. 382,945, Nov. 19, 1940. Republished Nov. 16. Class 5.

Langford & Taylor: *See*—
Fackler, Langford & Taylor.

Lansberg, Frank B., doing business as Scripture Text Tape Co., St. Louis, Mo. Tape and labels of gummed paper, Cellophane, and the like. 441,300, Nov. 16; Serial No. 487,085, published Aug. 24, 1948. Class 38.

Laucks, I. F., Inc., assignor to Monsanto Chemical Company, by Monsanto Chemical Company, Seattle, Wash. Insecticide. 433,394, Oct. 14, 1947. Republished Nov. 16. Class 6.

LeBlond, R. K., Machine Tool Co., The, Cincinnati, Ohio. Metal working lathes. 503,868, Nov. 16; Serial No. 526,504, published July 20, 1948. Class 23.

Leeds, Herbert R., & Co., Inc., New York, N. Y. Woolen, worsted, linen, and rayon piece goods, etc. 441,297, Nov. 16; Serial No. 479,580, published Feb. 18, 1947. Class 42.

Legge, Walter G., Company, Inc., New York, N. Y. Nonslip plastic-like material for use on greasy and wet floors and surfaces. 503,899, Nov. 16; Serial No. 532,141, published Aug. 17, 1948. Class 4.

Lehigh Coal & Navigation Company, The, Philadelphia, Pa. Coal. 56,244, Sept. 4, 1906. Republished Nov. 16. Class 1.

Le Jay Manufacturing Co., Minneapolis, Minn. Electrical equipment and supplies. 503,883, Nov. 16; Serial No. 529,059, published Aug. 17, 1948. Class 21.

Leland Electric Company, The, Dayton, Ohio. Electrical apparatus. 503,929, Nov. 16; Serial No. 536,910, published Aug. 17, 1948. Class 21.

Lemberg, Burton J., doing business as The Seat Cover King, Detroit, Mich. Covers for automobile seats. 503,972, Nov. 16; Serial No. 542,773, published Aug. 3, 1948. Class 19.

Leroux and Company, Inc., Philadelphia, Pa. Alcoholic cordials. 317,940, Oct. 9, 1934. Republished Nov. 16. Class 49.

Lewis and Lewis, New York, N. Y. Watches and watch movements. 503,965, Nov. 16; Serial No. 540,686, published Aug. 10, 1948. Class 27.

Liberman, Saul B., New York, N. Y. Rayon piece goods. 503,984, Nov. 16; Serial No. 545,007, published Aug. 10, 1948. Class 42.

Lighthouse Trailer Inc., Chicago, Ill. House trailers. 503,873, Nov. 16; Serial No. 526,884, published Aug. 3, 1948. Class 19.

Liquor Distributors of America, Inc., Newark, N. J. Port, sherry, white port wines, etc. 380,838, Sept. 3, 1940. Republished Nov. 16. Class 47.

Livierato. Bernard A., New York, N. Y. Coffee. 233,397, Sept. 27, 1927. Republished Nov. 16. Class 46.
Lobl Manufacturing Company, The, Middleboro, Mass. Hot water bottles. 504,035, Nov. 16; Serial No. 521,740. Class 44.
Lockheed Aircraft Corporation, Burbank, Calif. Airplanes and structural parts thereof. 441,301, Nov. 16; Serial No. 490,250, published Aug. 10, 1948. Class 19.
Lone Star Bag & Bagging Company, Inc., Houston, Tex. Burlap bags. 251,134, renewed Jan. 1, 1949. O. G. Nov. 16. Class 2.
Longmont Farmers Milling & Elevator Company, The, Longmont, to The Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. 70,733–4, re-renewed Sept. 29, 1948. O. G. Nov. 16. Class 46.
Longmont Farmers Milling & Elevator Company, The, Longmont, to The Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. 70,797, re-renewed Oct. 6, 1948. O. G. Nov. 16. Class 46.
Lord-Mott Co.: *See*—
Roberts, Roy E.
Lord-Mott Co. Incorporated: *See*—
Roberts, Roy E.
Lorillard, P., Company, New York, N. Y. Cigarettes. 503,930, Nov. 16; Serial No. 536,929, published Aug. 17, 1948. Class 17.
Lorillard, P., Company, New York, N. Y. Cigarettes. 503,931, Nov. 16; Serial No. 536,931, published Aug. 17, 1948. Class 17.
Lorillard, P., Company, New York, N. Y. Cigars. 503,932, Nov. 16; Serial No. 536,932, published Aug. 17, 1948. Class 17.
Lorillard, P., Company, New York, N. Y. Smoking tobacco. 503,933, Nov. 16; Serial No. 536,934, published Aug. 17, 1948. Class 17.
Louisville Electric Manufacturing Company, Louisville, Ky. Electrical motors and various types of portable electrically driven tools. 503,903, Nov. 16; Serial No. 532,943, published July 27, 1948. Class 21.
Louisville Textiles, Incorporated, Louisville, Ky. Upholstery drapery and decorative fabrics. 503,923, Nov. 16; Serial No. 536,109, published Aug. 17, 1948. Class 42.
Lowin, Maurice, doing business as Morwin Hosiery Co., New York, N. Y. Hosiery. 215,086, July 13, 1926. Republished Nov. 16. Class 39.
Lowin, Paul, doing business as Durite Hosiery Co., New York, N. Y. Hosiery. 208,587, Feb. 2, 1926. Republished Nov. 16. Class 39.
Macalaster Bicknell Company, Cambridge, Mass. Laboratory, experimental, hospital, clinical, chemical, and scientific glassware. 402,424, July 20, 1943. Republished Nov. 16. Class 26.
Macfadden Publications, Inc., New York, N. Y. Magazine feature. 503,969, Nov. 16; Serial No. 541,313, published Aug. 17, 1948. Class 38.
Mailliard & Schmiedell, by Mailliard & Schmiedell, San Francisco, Calif. Olive oil. 170,872, July 24, 1923. Republished Nov. 16. Class 46.
Mailliard & Schmiedell, San Francisco, Calif. Prepared food products. 340,895, Nov. 24, 1936. Republished Nov. 16. Class 46.
Manufacture d'Horlogerie Précimax S. A., Neuchatel, Switzerland. Watches, pendulum clocks, alarm clocks, and their movements. 503,918, Nov. 16; Serial No. 535,726, published Aug. 10, 1948. Class 27.
Many, Blanc & Co., Inc. Chicago, Ill., by Many, Blanc & Co., Inc., New York, N. Y. Brandies. 390,932, Oct. 14, 1941. Republished Nov. 16. Class 49.
Martino, Antonino R., doing business as Italy Laboratories, to Italy Laboratories, Inc., New York, N. Y. Blood and nerve tonic. 252,647, renewed Feb. 12, 1949. O. G. Nov. 16. Class 6.
Maryland Pharmaceutical Company, The: *See*—
Hollander-Koshland Co., The.
Masonite Corporation, Chicago, Ill., and Laurel, Miss. Electrical panel boards, composite panels, switch board panels, etc. 503,850, Nov. 16; Serial No. 511,565, published Aug. 17 ,1948. Class 21.
Master Electric Company, The, Dayton, Ohio. Electric generators and parts thereof, gas and gasoline engine driven generator sets, electric motors, etc. 441,294, Nov. 16; Serial No. 471,267, published July 27, 1948. Class 21.
Maurath, Vincent, doing business as Associated Art Service, New York, N. Y. Hand made and reproduced drawings and paintings. 504,009, Nov. 16; Serial No. 549,557, published Aug. 24, 1948. Class 38.
May Department Stores Company, The: *See*—
Kaufmann Department Stores, Inc.
McCrossen Handwoven Textiles, Inc., Santa Fe, N. Mex. Scarfs, neckties, belts, etc. 433,489, Oct. 14, 1947. Republished Nov. 16. Class 39.
McKay Products Corporation, The: *See*—
Ragovin, Harry.
McLoughlin Bros., Inc., Springfield, Mass. Books in a continuing series. 159,425, Sept. 26, 1922. Republished Nov. 16. Class 38.
McNeel, Jess, San Antonio, Texas. Zebu (Brahman) cattle. 504,029, Nov. 16; Serial No. 518,548. Class 1.
Meeker, O. W., doing business as Industrial Chemical Cleaner Co., Houston, Texas. Liquid and powdered cleaning compounds. 503,974, Nov. 16; Serial No. 543,728, published Aug. 17, 1948. Class 4.
Merritt, E. W., Brawley, Calif. Honey dew melons. 334,278, Apr. 28, 1936. Republished Nov. 16. Class 46.
Merritt, E. W., Brawley and Manteca, Calif. Fresh vegetables. 381,008, Sept. 10, 1940. Republished Nov. 16. Class 46.
Metallo Gasket Co., New Brunswick, N. J. Metallic gaskets and metallic packing. 504,045, Nov. 16; Serial No. 540,692. Class 35.
Metlen, Fred A., Seattle, Wash. Reflectors for electric lights. 503,854, Nov. 16; Serial No. 512,918, published Aug. 17, 1948. Class 21.
Metropolitan Paving Brick Company, The, Canton, Ohio. Building and paving bricks and blocks. 275,556–7, Sept. 23, 1930. Republished Nov. 16. Class 12.
Metropolitan Refining Co., Inc., New York, N. Y. Composition for treatment of fuel oils. 503,860, Nov. 16; Serial No. 517,918, published Aug. 24, 1948. Class 6.
Metz, H. A., Laboratories, Inc., to Winthrop-Stearns Inc., New York, N. Y. Analgesic sedative and hypnotic. 247,513, renewed Sept. 25, 1948. O. G. Nov. 16. Class 6.
Meyer & Lange, Inc., New York, N. Y. Prepared mustard. 307,770, Oct. 31, 1933. Republished Nov. 16. Class 46.
Midland Flour Milling Co., The: *See*—
Ottawa Milling Company.
Mido Watch Company of America, Inc.: *See*—
Societe Anonyme Mido.
Miles Shoes Incorporated: *See*—
Miles Shoes, Inc.
Miles Shoes, Inc., by Miles Shoes Incorporated, New York, N. Y. Men's, boys', women's and misses' shoes. 324,930, June 4, 1935. Republished Nov. 16. Class 39.
Miller, Morris, doing business as Bancroft-Rellim Co., by Bancroft-Rellim Corp., Boston, Mass. High chair pads and play yard pads. 406,631, Apr. 11, 1944. Republished Nov. 16. Class 32.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Recording tape for magnetized reproduction. 503,908, Nov. 16; Serial No. 533,593, published Aug. 17, 1948. Class 21.
Minter, Martha P., doing business as Totus Mfg. Co., by Totus Manufacturing Company, Inc., Philadelphia, Pa. Medicated greaseless ointment. 366,256, Apr. 4, 1939. Republished Nov. 16. Class 6.
Minto Toothpick Company, doing business as Minto Toothpick & Specialty Company and Hardwood Products Co., Mayville, Mich. and Guilford, Maine, by Hardwood Products Company, Mayville, Mich. Toothpicks. 339,441, Oct. 6, 1936. Republished Nov. 16. Class 44.
Minto Toothpick & Specialty Company and Hardwood Products Co.: *See*—
Minto Toothpick Company.
Minuet Lamp Industries, Inc., Chicago, Ill. Electric lamps. 503,971, Nov. 16; Serial No. 542,628, published July 27, 1948. Class 21.
Monsanto Chemical Company: *See*—
Laucks, I. F., Inc.
Moore, John Hudson, Inc., New York, N. Y. Smoking pipes. 503,852, Nov. 16; Serial No. 512,072, published Aug. 17, 1948. Class 8.
Moore, John Hudson, Inc., New York, N. Y. Hair brushes, shaving brushes, hand brushes, etc. 503,853, Nov. 16; Serial No. 512,076, published July 27, 1948. Class 29.
Mor-Pak Preserving Corporation, San Francisco, Calif. Canned fruits. 396,016, June 23, 1942. Republished Nov. 16. Class 46.
Mor-Pak Preserving Corporation, Stockton, Calif. Canned fruits. 301,062, Feb. 14, 1933. Republished Nov. 16. Class 46.
Mor-Pak Preserving Corporation, Stockton, Calif. Canned fruits. 343,718, Mar. 2, 1937. Republished Nov. 16. Class 46.
Mor-Pak Preserving Corporation, Stockton, Calif. Canned fruits. 352,750, Dec. 14, 1937. Republished Nov. 16. Class 46.
Mor-Pak Preserving Corporation, Stockton, Calif. Canned fruits and vegetables. 358,377, July 12, 1938. Republished Nov. 16. Class 46.
Morwin Hosiery Co.: *See*—
Lowin, Maurice.
Motion Picture Export Association, Inc., New York, N. Y. Motion pictures and motion picture films. 504,028, Nov. 16; Serial No. 518,418. Class 26.
Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Waterproof ducks, and cotton piece goods. 503,980, Nov. 16; Serial No. 544,179, published Aug. 10, 1948. Class 42.
Movietonews, Inc.: *See*—
Fox Case Corporation.
Murdock, Wm. J., Co., Chelsea, Mass. Electric buzzers. 504,023, Nov. 16; Serial No. 513,268. Class 21.
Nadreau, Al, Miami, Fla. Dandruff lotion. 503,911, Nov. 16; Serial No. 534,652, published Aug. 17, 1948. Class 6.
National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Coal-tar dyestuffs. 126,949, Oct. 14, 1919. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Coal-tar dyestuffs. 153,804, Mar. 28, 1922. Republished Nov. 16. Class 6.

National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Dyes, dyestuffs and colors. 160,928, Oct. 31, 1922. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Dyes, dyestuffs, and colors. 161,242, Nov. 7, 1922. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Coal-tar crudes, intermediates, dyestuffs, etc. 164,690, Feb. 27, 1923. Republished Nov. 16. Classes 1 and 6.
National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Organic acids. 270,213, Apr. 29, 1930. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Wetting out agents, emulsifying agents, and dye assistants. 284,944, July 14, 1931. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Chemical dyeing aids, fibre treating, moistening, etc. 336,901, July 21, 1936. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Chemical compositions. 347,643, June 29, 1937. Republished Nov. 16. Class 4.
National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Protective oxidizing agents and kier-boiling assistant. 362,307, Nov. 15, 1948. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 127,769, Dec. 2, 1919. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 129,511, Feb. 24, 1920. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 131,349, May 11, 1920. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 131,351–6, May 11, 1920. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 131,558–60, May 18, 1920. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs. 165,706, Mar. 20, 1923. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Coal-tar crudes, intermediates, dyestuffs, etc. 173,271, Sept. 18, 1923. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Coal-tar dyestuffs. 186,016, July 1, 1924. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs. 187,553, Aug. 5, 1924. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Certified food colors. 193,390, Dec. 30, 1924. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Certified food colors. 194,837, Feb. 10, 1925. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Dyes, dyestuffs, and colors. 195,765, Mar. 3, 1925. Republished Nov. 16. Class 6.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Coal tar product. 221,023, Nov. 23, 1926. Republished Nov. 16. Class 6.
National Bellas Hess Co. Inc., New York, N. Y., to National Bellas Hess, Inc., North Kansas City, Mo. Work shirts, work pants, overalls, etc. 246,510, renewed Sept. 11, 1948. O. G. Nov. 16. Class 39.
National Bellas Hess, Inc.: *See*—
National Bellas Hess Co. Inc.
National Broach & Machine Co., Detroit, Mich. Gear manufacturing equipment. 356,075, Apr. 12, 1938. Republished Nov. 16. Classes 23 and 26.
National Chiropractic Association, Inc., Webster City, Iowa. Periodical publication. 441,316, Nov. 16; Serial No. 505,908, published Aug. 24, 1948. Class 38.
National Geographic Society, Washington, D. C. Maps and periodical publications. 503,898, Nov. 16; Serial No. 531,504, published Aug. 24, 1948. Class 38.
National Industries, Inc.: *See*—
Curtis, Helene, Industries, a Division of National Industries, Inc.
National Institute of Nutrition, by Nion Corporation, Los Angeles, Calif. Tablets containing vitamin C. 373,831, Dec. 26, 1939. Republished Nov. 16. Class 6.
National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware, and tableware. 503,906, Nov. 16; Serial No. 533,352, published Aug. 10, 1948. Class 28.
National-Standard Company, Niles, Mich. Sound recording wire. 504,034, Nov. 16; Serial No. 520,829. Class 21.
National Starch Co., Jersey City and Oswego, N. J., to Corn Products Refining Company, New York, N. Y. Corn starch. 71,550, re-renewed Dec. 1, 1948. O. G. Nov. 16. Class 46.
National Starch Manufacturing Company, The, Covington, Ky., and New York, by Corn Products Refining Company, New York, N. Y. Preparation of corn-flour. 19,678, June 9, 1891. Republished Nov. 16. Class 46.
Nestor Johnson Manufacturing Company, Chicago, Ill. Ice skates. 246,706, renewed Sept. 11, 1948. O. G. Nov. 16. Class 22.
Neumann, Arthur E., Chicago, Ill., assignor to Gantner & Mattern Company, San Francisco, Calif. Silk, cotton, nylon, rayon, etc. 503,901, Nov. 16; Serial No. 532,334, published Mar. 30, 1948. Class 42.
New Yorker Magazine, Inc., The, New York, N. Y. Magazine column. 504,003, Nov. 16; Serial No. 547,269, published Aug. 17, 1948. Class 38.
Nicoll, R. C., doing business as Valerie Jean Date Shop, Thermal, Calif. Fresh dates. 397,715, Sept. 15, 1942. Republished Nov. 16. Class 46.
Nion Corporation: *See*—
National Institute of Nutrition.
Noah's Ark Auto Accessories, Inc., Rochester, N. Y., by Perrine Quality Products Corporation, Waltham, Mass. Storage batteries. 306,006, Aug. 29, 1933. Republished Nov. 16. Class 21.
North American Fibre Products Company, The, Cleveland, Ohio. Liquid compound. 363,078, Dec. 13, 1938. Republished Nov. 16. Class 6.
North American Fibre Products Company, The, Cleveland, Ohio. Chemical compositions. 404,093, Nov. 2, 1943. Republished Nov. 16. Class 6.
Northeastern Plastics, Inc., Boston, Mass. Rules and rulers. 503,964, Nov. 16; Serial No. 540,555, published Aug. 24, 1948. Class 26.
Northern Research Laboratories, Inc., Minneapolis, Minn. Germicide. 319,693, Dec. 4, 1934. Republished Nov. 16. Class 6.
Northrop Aircraft, Inc., Hawthorne, Calif. Airplanes, airframes and airframe parts. 504,044, Nov. 16; Serial No. 537,609. Class 19.
Northwestern States Portland Cement Company: *See*—
Northwestern States Portland Cement Co.
Northwestern States Portland Cement Co., by Northwestern States Portland Cement Company, Mason City, Iowa. Portland cement. 70,578, Sept. 15, 1908. Republished Nov. 16. Class 12.
Nourse Oil Company, Kansas City, Kans. Non-freezing fluid for automobile radiators. 245,031, renewed Aug. 7, 1948. O. G. Nov. 16. Class 6.
Ohio Match Company, The, Wadsworth, Ohio. Matches. 355,761, Mar. 29, 1938. Republished Nov. 16. Class 9.
Ohio Match Company, The, Wadsworth, Ohio. Steel wool and soap cleaning pads. 388,788, July 8, 1941. Republished Nov. 16. Class 4.
Oil-Dri Corporation of America, Chicago, Ill. Detergent, and a wetting agent. 504,016, Nov. 16; Serial No. 552,161, published Aug. 17, 1948. Class 4.
Old Quaker Company, The, Lawrenceburg, Ind., by The Rum Company (Jamaica) Ltd., Coruba House, Kingston, Jamaica. Whiskey, brandy, gin, etc. 318,155, Oct. 16, 1934. Republished Nov. 16. Class 49.
Olympia Canning Company, Olympia, Wash. Vinegar. 204,000, Oct. 6, 1925. Republished Nov. 16. Class 46.
Oneida Bleachery, Inc., The, New York Mills, N. Y. Sheets and pillow cases. 504,020, Nov. 16; Serial No. 505,312. Class 42.
Oppenheim, Collins, & Co., Inc., New York, N. Y. Women's, misses', and children's hosiery. 333,680, Mar. 31, 1936. Republished Nov. 16. Class 39.
Oppenheim, Collins, & Co. Inc., New York, N. Y. Women's and children's shoes. 334,766, May 12, 1936. Republished Nov. 16. Class 39.
Oppenheim, Collins, & Co. Inc., New York, N. Y. Handbags. 335,466, June 2, 1936. Republished Nov. 16. Class 3.
Oppenheim, Collins, & Co. Inc., New York, N. Y. Gloves, coats, jackets, etc. 336,465, July 7, 1936. Republished Nov. 16. Class 39.
Oppenheim, Collins, & Co. Inc., New York, N. Y. Women's and misses' bath robes, negligee, corsets, etc. 343,984, Mar. 9, 1937. Republished Nov. 16. Class 39.
Ottawa Milling Company, Kansas City, Mo., and Ottawa, Kans., by The Midland Flour Milling Co., Kansas City, Mo. Wheat flour. 129,199, Jan. 27, 1920. Republished Nov. 16. Class 46.
Owens & Minor Drug Co., Inc.: *See*—
Jones, Julius R.
Padre Vineyard Company, Los Angeles, Calif. Wines. 324,682, May 28, 1935. Republished Nov. 16. Class 47.
Padre Vineyard Company, Los Angeles, Calif. Wine. 418,482, Dec. 25, 1945. Republished Nov. 16. Class 47.
Palumbo, J. C., by Palumbo-Rinelli Fruit Company, Payette, Idaho. Fresh apples. 176,522, Nov. 27, 1923. Republished Nov .16. Class 46.

Palumbo-Rinelli Fruit Company: *See*—
Palumbo, J. C.

Park & Pollard Company, The, Buffalo, N. Y. Poultry feed. 208,928, Feb. 9, 1926. Republished Nov. 16. Class 46.

Paroubek, Amalie S.: *See*—
Paroubek, Blahouraf A.

Paroubek, Blahouraf A., Plainfield, to Amalie S. Paroubek, North Plainfield, N. J. Finger bandages. 250,422, renewed Dec. 11, 1948. O. G. Nov. 16. Class 44.

Parr Electric Co., Inc., Newark, N. J. Friction tape and splicing-compound. 503,878, Nov. 16; Serial No. 528,129, published Aug. 17, 1948. Class 21.

Patsy's Candies, Inc., Colorado Springs, Colo. Candy, candied pop corn, buttered pop corn, etc. 247,115. renewed Sept. 18, 1948. O. G. Nov. 16. Class 46.

Paul Bunyan Bait Company, The, Minneapolis, Minn. Fishing spoons and fishing spinners. 429,195, Apr. 22, 1947. Republished Nov. 16. Class 22.

Paul Bunyan Bait Company, The, Minneapolis, Minn. Boats. 503,963, Nov. 16; Serial No. 540,515, published Aug. 17, 1948. Class 19.

Pep Boys, Manny, Moe, & Jack, The, doing business as Sturdee Storage Battery Co., Philadelphia, Pa. Storage batteries. 503,912, Nov. 16; Serial No. 534,665, published Aug. 17, 1948. Class 21.

Pep Boys, Manny, Moe, & Jack, The, doing business as Stratford Storage Battery Co., Philadelphia, Pa. Storage batteries. 503,913, Nov. 16; Serial No. 534,667, published Aug. 10, 1948. Class 21.

Peplow, Geoffrey, Pasadena, by The Harrower Laboratory, Inc., Glendale, Calif. Laxative digestive tablets. 241,388, Apr. 24, 1928. Republished Nov. 16. Class 6.

Pepper, Jas. E., and Company, New York, N. Y. Whiskey. 370,331, Aug. 22, 1939. Republished Nov. 16. Class 49.

Perfex Corporation: *See*—
Perfex Radiator Company.

Perfex Radiator Company, Racine, by Perfex Corporation, Milwaukee, Wis. Automobile radiators. 148,703, Nov. 22, 1921. Republished Nov. 16. Class 19.

Perley, Reuben N., Omaha, Nebr. Printed menu cards. 441,343, Nov. 16; Serial No. 519,218, published Aug. 24, 1948. Class 38.

Perrine Quality Products Corporation: *See*—
Hasslinger, Charles A.
Noah's Ark Auto Accessories, Inc.

Perrine Quality Products Corporation, Waltham, Mass. Storage batteries and their parts. 311,588, Mar. 27, 1934. Republished Nov. 16. Class 21.

Perrine Quality Products Corporation, Waltham, Mass. Storage batteries. 422,141, July 9, 1946. Republished Nov. 16. Class 21.

Pessl, Helene, Inc., New York, N. Y. Tooth paste, shampoo, hair lotion, etc. 441,323, Nov. 16; Serial No. 509,872, published Aug. 24, 1948. Class 6.

Photographers' Association of America, The, Cleveland, Ohio. Photographs. 504,018, Nov. 16; Serial No. 531,943, published Aug. 24, 1948. Class 38.

Pinaud, Ed., Inc.: *See*—
Pinaud, Incorporated.

Pinaud, Incorporated, to Ed. Pinaud, Inc., New York, N. Y. Toilet vinegar, sachet, brilliantine, etc. 253,462, renewed Feb. 26, 1949. O. G. Nov. 16. Class 6.

Pioneer Instrument Company, Brooklyn, N. Y., by Bendix Aviation Corporation, Teterboro, N. J. Compasses, banking indicators, turn indicators, etc. 160,269, Oct. 17, 1922. Republished Nov. 16. Class 26.

Pioneer Instrument Company, Brooklyn, N. Y., by Bendix Aviation Corporation, Teterboro, N. J. Aircraft speed and distance indicators, electric turn indicators, electric pitch indicators, etc. 213,616, June 1, 1926. Republished Nov. 16. Class 26.

Pioneer Instrument Company, Incorporated, Brooklyn, N. Y., by Bendix Aviation Corporation, Teterboro, N. J. Oil gauges. 288,183, Oct. 20, 1931. Republished Nov. 16. Class 26.

Pioneer Instrument Company, Inc., Brooklyn, N. Y., by Bendix Aviation Corporation, Teterboro, N. J. Synchronus alternating current motors. 309,015, Dec. 26, 1933. Republished Nov. 16. Class 21.

Pioneer Products, Incorporated, Baltimore, Md. Electric hand iron. 441,331, Nov. 16; Serial No. 514,841, published Aug. 3, 1948. Class 21.

Piper Aircraft Corporation, Lock Haven, Pa. Airplanes and structural parts thereof. 441,354, Nov. 16; Serial No. 524,080, published Aug. 3, 1948. Class 19.

Pittsburg Water Heater Company, by The Pittsburg Water Heater Corporation, Pittsburgh, Pa. Gas hot-water heaters and gas hot-water storage systems. 214,104, June 15, 1926. Republished Nov. 16. Class 34.

Pittsburgh Water Heater Corporation, The: *See*—
Pittsburg Water Heater Company.

Playskool Institute, Inc., Milwaukee, Wis., by Playskool Manufacturing Company, Chicago, Ill. Toys. 296,101, July 19, 1932. Republished Nov. 16. Class 22.

Playskool Institute, Inc., Milwaukee, Wis., by Playskool Manufacturing Company, Chicago, Ill. Toy construction outfits. 296,802, Aug. 23, 1932. Republished Nov. 16. Class 22.

Playskool Manufacturing Company: *See*—
Playskool Institute, Inc.
Schroeder, John, Lumber Co.

Polk Miller Products Corp., Richmond, Va. Soap. 295,145, June 21, 1932. Republished Nov. 16. Class 4.

Polk Miller Products Corporation, Richmond, Va. Soap. 331,351, Jan. 7, 1936. Republished Nov. 16. Class 4.

Polk Miller Products Corp., Richmond, Va. Laxative capsules, worm medicine, condition pills, etc. 350,436, Sept. 28, 1937. Republished Nov. 16. Class 6.

Polytechnic Research and Development Company Incorporated, Brooklyn, N. Y. Electrical apparatus. 503,953, Nov. 16; Serial No. 538,173, published Aug. 24, 1948. Class 26.

Pondel Fabrics, Inc., Pawtucket, R. I., assignor to Charles W. Carvin Co., Inc., New York, N. Y. Fabrics in the piece made of rayon. 504,000, Nov. 16; Serial No. 546,729, published Aug. 24, 1948. Class 42.

Practical Methods or Industry, Inc., New York, N. Y. Feature articles. 503,909, Nov. 16; Serial No. 533,920, published Aug. 24, 1948. Class 38.

Practical Products Company, Minneapolis, Minn. Liquid solvents for carbon, paint, aniline dyes. 441,334, Nov. 16; Serial No. 516,375, published Aug. 17, 1948. Class 4.

Pratt & Gray Company, Inc., Norwalk, Conn., assignor to Diebold, Incorporated, by Diebold, Incorporated, Canton, Ohio. Developers, fixers, hardeners, etc. 412,134, Feb. 20, 1945. Republished Nov. 16. Class 6.

Precision Electronics, Inc., Chicago, Ill. Apparatus for providing audible indications to trace electronic signals in radio apparatus and the like; and electronic sound amplifiers. 441,345, Nov. 16; Serial No. 519,693, published Aug. 10, 1948. Class 21.

Preservative Paint Co., Seattle, Wash. Ready-mixed paints and varnishes. 125,836, June 17, 1919. Republished Nov. 16. Class 16.

Printz-Biederman Company, The, Cleveland, Ohio. Ladies' and misses' jackets, suits, capes, etc. 45,528, Aug. 22, 1905. Republished Nov. 16. Class 39.

Prior Products, Inc., Middletown, Ohio. Fuel tanks, combined fuel tanks and tool chests, etc. 441,335, Nov. 16; Serial No. 516,506, published Aug. 3, 1948. Class 19.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair brushes. 503,917, Nov. 16; Serial No. 535,621, published Aug. 3, 1948. Class 29.

Proportioneers, Inc., Providence, R. I. Proportioning apparatus for feeding liquids. 826,570, July 30, 1935. Republished Nov. 16. Class 23.

Proportioneers, Inc., Providence, R. I. Proportioning pumps, parts thereof, and bases therefor. 416,408, Sept. 11, 1945. Republished Nov. 16. Classes 23 and 26.

Pyramid Leather Goods Company, New York, N. Y. Children's handbags. 348,089, July 13, 1937. Republished Nov. 16. Class 3.

Radinsky, A. D., & Sons: *See*—
Radinsky, Abraham D.

Radinsky, Abraham D., by A. D. Radinsky & Sons, Denver, Colo. Wiping rags. 124,146–7, Jan. 14, 1919. Republished Nov. 16. Class 29.

Radio Engineering Laboratories, Inc., Long Island City, N. Y. Radio frequency power amplifiers. 503,939, Nov. 16; Serial No. 537,503, published Aug. 10, 1948. Class 21.

Ragovin, Harry, New York, N. Y., by The McKay Products Corporation, Baltimore, Md. Vests, chemises, stepins, etc. 278,206, Dec. 9, 1930. Republished Nov. 16. Class 39.

Rahthus, Max, Brooklyn, N. Y. Jewelry. 503,924, Nov. 16; Serial No. 536,134, published Aug. 10, 1948. Class 28.

Ramapo Ajax Corporation, by American Brake Shoe Company, New York, N. Y. Rail switches. 288,568, Nov. 3, 1931. Republished Nov. 16. Class 14.

Rand Rubber Company, Brooklyn, N. Y. Dress shields. 378,013, May 21, 1940. Republished Nov. 16. Class 40.

Raphael, Edwin, Company, Inc., Chicago, Ill. Draperies; valances; and coated and uncoated upholstery and decorative fabrics. 441,344, Nov. 16; Serial No. 519,294, published Aug. 17, 1948. Class 42.

Rau, Allen E., doing business as Rau's Chicken Dinner Inns., assignor to Rau Electric Manufacturing Company, Inc., Union, Wash. Electric ranges and cookers. 503,842, Nov. 16; Serial No. 501,007, published Aug. 17, 1948. Class 21.

Rau Electric Manufacturing Company, Inc.: *See*—
Rau, Allen E.

Rau's Chicken Dinner Inns: *See*—
Rau, Allen E.

Red Caps Capsule Company, The: *See*—
Wharam, Marie A.

Reese Chemical Company, The, Cleveland, Ohio. Preparation intended to be taken internally. 504,010, Nov. 16; Serial No. 549,967, published Aug. 17, 1948. Class 6.

Reliable Electric Company, Chicago, Ill. Electrical line and conduit fittings and fixtures. 503,876, Nov. 16; Serial No. 527,539, published July 27, 1948. Class 21.

Reliance Fertilizer Company, The: *See*—
Reliance Fertilizer Company.

Reliance Fertilizer Company, by The Reliance Fertilizer Company, Savannah, Ga. Fertilizer. 349,383, Aug. 24, 1937. Republished Nov. 16. Class 10.

Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Wines. 305,203, Aug. 8, 1933. Republished Nov. 16. Class 47.

Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Seasoning for foods. 305,372, Aug. 15, 1933. Republished Nov. 16. Class 46.

Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Medicament. 305,814, Aug. 22, 1933. Republished Nov. 16. Class 6.

Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. General tonic. 306,262–3, Sept. 12, 1933. Republished Nov. 16. Class 6.

Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Wines. 315,385–6, July 24, 1934. Republished Nov. 16. Class 47.

Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Wines. 356,372–3, Apr. 26, 1938. Republished Nov .16. Class 47.

Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Wines. 367,358, May 16, 1939. Republished Nov. 16. Class 47.

Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Wines. 367,360, May 16, 1939. Republished Nov. 16. Class 47.

Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Sweet vermouth and dry vermouth. 396,785, Aug. 4, 1942. Republished Nov. 16. Class 47.

Rhoads, J. E., & Sons, Philadelphia, Pa. Leather belting. 252,893, renewed Feb. 19, 1949. O. G. Nov. 16. Class 35.

Rhythm Lingerie, Inc.: *See*—
Farnsworth, Eva O.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Cotton piece goods. 441,299, Nov. 16; Serial No. 483,790, published Sept. 4, 1945. Class 42.

Roberts, Roy E., doing business as Lord-Mott Co., by Lord-Mott Co. Incorporated, Baltimore, Md. Canned dog food. 359,475, Aug. 23, 1938. Republished Nov. 16. Class 46.

Robertson Bros. & Co. Limited, London, England. Wines. 306,235, Sept. 12, 1933. Republished Nov. 16. Class 47.

Robertson Bros. & Co. Limited, London, England. Port wine. 307,436, Oct. 24, 1933. Republished Nov. 16. Class 47.

Rockville Fabrics Corporation, New York, N. Y. Rayon, cotton and combined rayon and cotton piece goods. 503,981, Nov. 16; Serial No. 544,199, published Aug. 3, 1948. Class 42.

Rockwell-Barnes Company, Chicago, Ill. Writing paper. 283,447, May 26, 1931. Republished Nov. 16. Class 37.

Rocky Hill Corporation, to Rocky Hill Ranches, Exeter, Calif. Fresh deciduous fruits. 246,920, renewed Sept. 18, 1948. O. G. Nov. 16. Class 46.

Rocky Hill Corporation, to Rocky Hill Ranches, Exeter, Calif. Fresh citrus and deciduous fruits. 248,534, renewed Oct. 23, 1948. O. G. Nov. 16. Class 46.

Rocky Hill Ranches: *See*—
Rocky Hill Corporation.

Roto Plow Company, Mound, Minn. Snow plow. 410,488, Nov. 28, 1944. Republished Nov. 16. Class 23.

Royal Importing Co., New York, N. Y. Cheese. 244,837, renewed July 31, 1948. O. G. Nov. 16. Class 46.

Royal Plastics Corporation, Cincinnati, Ohio. Periodical. 503,859, Nov. 16; Serial No. 517,327, published Aug. 17, 1948. Class 38.

Rubberset Company, Newark, N. J. Paint brushes. 441,318, Nov. 16; Serial No. 506,347, published Sept. 9, 1947. Class 29.

Ruble Blade Corporation, New York, N. Y., to Colton Razor Blade Company, Boston, Mass. Razor blades. 246,846, renewed Sept. 18, 1948. O. G. Nov. 16. Class 23.

Rum Company (Jamaica) Ltd., The: *See*—
Old Quaker Company, The.

S K F Industries, Inc., Philadelphia, Pa. Balls used in measuring and testing instruments, etc. 503,884, Nov. 16; Serial No. 529,092, published Aug. 24, 1948. Class 26.

S K F Industries, Inc., Philadelphia, Pa. Balls used in measuring and testing instruments, etc. 503,885, Nov. 16; Serial No. 529,096, published Aug. 24, 1948. Class 26.

Safeways Stores, Incorporated: *See*—
Sutter Packing Co.
Western States Grocery Co.

Safeway Stores, Incorporated, Oakland, Calif. House organ. 441,349, Nov. 16; Serial No. 521,362, published Aug. 10, 1948. Class 38.

Sales Affiliates, Inc., New York, N. Y. Hair waving lotions. 441,293, Nov. 16; Serial No. 469,916, published Aug. 24, 1948. Class 6.

Salmon, Charles E., Inc., Detroit, Mich. Printing inks and printing ink varnishes. 503,991, Nov. 16; Serial No. 545,538, published Aug. 17, 1948. Class 11.

Sanderson, Wm., & Son, Leith, by Wm. Sanderson & Son Limited, Leith, Edinburgh, Scotland. Scotch whisky. 360,729, Sept. 27, 1938. Republished Nov. 16. Class 49.

Sanderson, Wm., & Son Limited: *See*—
Sanderson, Wm., & Son.

Sanderson, William, & Son, Limited, Leith, by William Sanderson & Son Limited, Leith and Edinburgh, Scotland. Scotch whisky. 303,999, June 13, 1933. Republished Nov. 16. Class 49.

Sanit-All Products Corporation, Greenwich, Ohio. Glass nipple jars and funnels. 441,339, Nov. 16; Serial No. 518,048, published Aug. 3, 1948. Class 33.

Sanitarium Equipment Company, to Battle Creek Equipment Company, Battle Creek, Mich. Therapeutic lamps. 246,722, renewed Sept. 11, 1948. O. G. Nov. 16. Class 44.

Sanitarium Equipment Company, to Battle Creek Equipment Company, Battle Creek, Mich. Therapeutic lamps. 247,181, renewed Sept. 25, 1948. O. G. Nov. 16. Class 44.

Sanitarium Equipment Company, to Battle Creek Equipment Company, Battle Creek, Mich. Massaging or mechanical exercising machines. 248,415, renewed Oct. 23, 1948. O. G. Nov. 16. Class 44.

Sanitarium Equipment Company, to Battle Creek Equipment Company, Battle Creek, Mich. Exercising machines. 248,526, renewed Oct. 23, 1948. O. G. Nov. 16. Class 44.

Santa Clara Pear Association: *See*—
Weston, Will B.

Santa Clara Pear Association, San Jose, Calif. Fresh deciduous fruits. 278,091, Dec. 2, 1930. Republished Nov. 16. Class 46.

Santa Clara Pear Association, San Jose, Calif. Fresh deciduous fruits. 298,026, Oct. 11, 1932. Republished Nov. 16. Class 46.

Sapirstein, Jacob, by American Greeting Publishers Inc., Cleveland, Ohio. Greeting cards. 385,778, Mar. 18, 1941. Republished Nov. 16. Class 38.

Saturday Review Associates, Inc., The, New York, N. Y. Magazine. 503,970, Nov. 16; Serial No. 541,730, published Aug. 24, 1948. Class 38.

Saxone Shoe Co. Limited, Kilmarnock, Scotland. Leather boots and shoes. 272,007, June 24, 1930. Republished Nov. 16. Class 39.

Sayles Finishing Plants, Inc., Saylesville, R. I., and New York, N. Y. Cotton piece goods. 503,940–3, Nov. 16; Serial Nos. 537,511–14, published Aug. 17, 1948. Class 42.

Sayles Finishing Plants, Inc., Saylesville, R. I., and New York, N. Y. Cotton piece goods. 503,944, Nov. 16; Serial No. 537,516, published Aug. 17, 1948. Class 42.

Scheif, Joseph A., Jackson Heights, N. Y. Pamphlets. 441,359, Nov. 16; Serial No. 525,111, published Aug. 10, 1948. Class 38.

Schlup & Co., Ltd., Lengnau, Switzerland. Watches and parts of watches. 503,926, Nov. 16; Serial No. 536,644, published Aug. 10, 1948. Class 27.

Schranck, H. C., Company, Milwaukee, Wis. Nonalcoholic, nonceral, maltless beverages. 158,530, Sept. 5, 1922. Republished Nov. 16. Class 45.

Schroeder, John, Lumber Co., Milwaukee, Wis., by Playskool Manufacturing Company, Chicago, Ill. Folding desk tables. 241,344, Apr. 24, 1928. Republished Nov. 16. Class 32.

Schuman Co., The, Chicago, Ill. Fresh vegetables and grapes. 404,668, Dec. 14, 1943. Republished Nov. 16. Class 46.

Scripture Text Tape Co.: *See*—
Lansberg, Frank B.

Seaboard Packing Company: *See*—
Seacoast Canning Co.
Seacoast Canning Company.

Seacoast Canning Co., Eastport, by Seaboard Packing Company, Lubec, Maine. Sardines. 91,807, May 27, 1913. Republished Nov. 16. Class 46.

Seacoast Canning Co., Eastport, by Seaboard Packing Company, Lubec, Maine. Canned sardines. 148,532, Nov. 15, 1921. Republished Nov. 16. Class 46.

Seacoast Canning Company, Eastport, by Seaboard Packing Company, Lubec, Maine. Canned tunny fish. 173,386, Sept. 25, 1923. Republished Nov. 16. Class 46.

Seacoast Canning Company, Eastport, by Seaboard Packing Company, Lubec, Maine. Canned fish. 225,351, Mar. 15, 1927. Republished Nov. 16. Class 46.

Searer, Harold J., doing business as Searer Rubber Company, Akron, Ohio. Nursing nipples. 504,043, Nov. 16; Serial No. 534,059. Class 44.

Searer Rubber Company: *See*—
Searer, Harold J.

Seat Cover King, The: *See*—
Lemberg, Burton J.

Sharp & Dohme, Baltimore, Md., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Inhalants. 69,567, renewed June 23, 1948. O. G. Nov. 16. Class 6.

Sharp & Dohme, Incorporated: *See*—
Sharp & Dohme.

Shawnee Garment Manufacturing Co., Shawnee, Okla. Overalls, work coats, work shirts, etc. 382,487, Oct. 29, 1940. Republished Nov. 16. Class 39.

Shellmar Products Company, by Shellmar Products Corporation, Chicago, Ill. Transparent wrappers. 365,550, Mar. 14, 1939. Republished Nov. 16. Class 37.

Shellmar Products Company, Mount Vernon, Ohio, by Shellmar Products Corporation, Chicago, Ill. Merchandise containers. 331,680, Jan. 14, 1936. Republished Nov. 16. Class 2.

Shellmar Products Company, Mount Vernon, Ohio, by Shellmar Products Corporation, Chicago, Ill. Laminated wrappers. 393,535, Feb. 17, 1942. Republished Nov. 16. Class 37.

Shellmar Products Corporation: *See*—
Shellmar Products Company.

Sherwin-Williams Company, The, Cleveland, Ohio. Brushes, wiping cloths, hand-propelled floor polishers, etc. 441,358, Nov. 16; Serial No. 524,737, published July 27, 1948. Class 29.

Shirley Fabrics Corp., New York, N. Y. Textile fabrics in the piece of cotton, rayon, wool, worsted, and combinations thereof. 503,989, Nov. 16; Serial No. 545,390, published Aug. 10, 1948. Class 42.

Shuler & Benninghofen, Hamilton, Ohio. All-wool blankets. 235,735, Nov. 22, 1927. Republished Nov. 16. Class 42.

Siegel, A. L., Co., Inc., New York, N. Y. Curtains, draperies, tablecloths, etc. 503,990, Nov. 16; Serial No. 545,397, published Aug. 10, 1948. Class 42.

Signal Mountain Portland Cement Company, by General Portland Cement Company, Chicago, Ill. Portland cement. 345,227, Apr. 20, 1937. Republished Nov. 16. Class 12.

Sklar, J., Manufacturing Co., New York, to J. Sklar Manufacturing Co., Long Island City, N. Y. Surgical and dental instruments. 248,532, renewed Oct. 23, 1948. O. G. Nov. 16. Class 44.

Smith, Floyd N.: *See*—
Smith-Thornburg Company.

Smith-Thornburg Company, by F. N. Smith, Phoenix, Ariz. Fresh vegetables and melons. 331,383, Jan. 7, 1936. Republished Nov. 16. Class 46.

Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie, Paris, France. Cordial. 62,200, re-renewed Apr. 23, 1947. O. G. Nov. 16. Class 49.

Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie, Paris, France. Cordials. 62,371, re-renewed Apr. 30, 1947. O. G. Nov. 16. Class 49.

Societe Anonyme Mido, Bienne, Switzerland, assignor to Mido Watch Company of America, Inc., New York, N. Y. Watches and chronometers, watch movements, watch cases, etc. 441,292, Nov. 16; Serial No. 457,552, published Aug. 10, 1948. Class 27.

Son-Chief Electrics, Incorporated, Winsted, Conn. Automatic electric irons, electric heating pads and toasters. 441,356, Nov. 16; Serial No. 524,578, published Aug. 3, 1948. Class 21.

Southwest Manufacturing Company, Little Rock, Ark., assignee of Southwest Manufacturing Company. Small boats. 503,856, Nov. 16; Serial No. 513,220, published July 20, 1948. Class 19.

Spartan Aircraft Company, Wilmington, Del., and Tulsa, Okla. Automotive trailer house coaches. 503,966, Nov. 16; Serial No. 540,726, published Aug. 3, 1948. Class 19.

Spencer-Adams Paint Company, Atlanta, Ga. Paint enamels. 418,122, Dec. 4, 1945. Republished Nov. 16. Class 16.

Spencer-Adams Paint Company, Inc., Atlanta, Ga. Ready-mixed paint, varnish, paint enamel, etc. 409,720, Oct. 17, 1944. Republished Nov. 16. Class 16.

Sperry Candy Company, Milwaukee, Wis. Candies. 185,248, June 10, 1924. Republished Nov. 16. Class 46.

Sperry Candy Company, Milwaukee, Wis. Candy bars. 393,419, Feb. 10, 1942. Republished Nov. 16. Class 46.

Spiegel, Inc., Chicago, Ill. Roller skates, ice skates, baseballs, etc. 433,286, Oct. 7, 1947. Republished Nov. 16. Class 22.

Spitzel, Cecil, New York, N. Y. Ash trays, cigarette receptacles. 503,962, Nov. 16; Serial No. 540,477, published Aug. 17, 1948. Class 8.

Sponge Rubber Products Company, The, Derby, Conn. Chair cushions, automobile seat cushions, cushion fillers, etc. 322,436, Mar. 5, 1935. Republished Nov. 16. Class 32.

Sportline, Inc., New York, N. Y. Dusting powder, talc, bubble bath, and toilet water. 441,329, Nov. 16; Serial No. 514,143, published Mar. 11, 1947. Class 6.

Stafford County Flour Mills Company, Hudson, Kans. Hard-wheat flour. 280,274, Feb. 10, 1931. Republished Nov. 16. Class 46.

Stafford County Flour Mills Co., Hudson, Kans. Wheat flour. 282,019, Apr. 7, 1931. Republished Nov. 16. Class 46.

Stansfeld, Arthur V., to Fler, Inc., New York, N. Y. Non-alcoholic, noncereal, maltless beverages. 382,083, Oct. 15, 1940. New certificate. O. G. Nov. 16. Class 45.

Stern & Stern Textile Importers, Inc., New York, N. Y. Silk piece goods. 359,614, Aug. 23, 1938. Republished Nov. 16. Class 42.

Stevens, J. P., & Co., Inc., New York, N. Y. Woolen and worsted piece goods. 441,360, Nov. 16; Serial No. 525,700, published Aug. 3, 1948. Class 42.

Stiefel Medicinal Soap Company, Inc., Preston Hollow, N. Y. Medicinal soaps. 504,015, Nov. 16; Serial No. 550,631, published Aug. 17, 1948. Class 4.

Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Cotton piece goods. 503,938, Nov. 16; Serial No. 537,483, published Aug. 3, 1948. Class 42.

Stitt Ignition Company, Columbus, Ohio. Automotive and gas engine spark plugs, and parts therefor. 503,861, Nov. 16; Serial No. 518,111, published Aug. 17, 1948. Class 21.

Stokes, F. J., Machine Company, Philadelphia, Pa. Gauges for measuring and recording vacuum pressure. 503,960, Nov. 16; Serial No. 539,452, published Aug. 17, 1948. Class 26.

Stone-Cline Curtain Co., Inc., Fitchburg, Mass. Window curtains. 503,851, Nov. 16; Serial No. 511,769, published Aug. 17, 1948. Class 42.

Stratford Storage Battery Co.: *See*—
Pep Boys, Manny, Moe & Jack, The.

Strawbridge & Clothier, Philadelphia, Pa. Oil lamps. 503,957, Nov. 16; Serial No. 539,230, published June 29, 1948. Class 34.

Strong Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 503,985, Nov. 16; Serial No. 545,305, published Aug. 3, 1948. Class 42.

Strong Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 503,986, Nov. 16; Serial No. 545,307, published Aug. 3, 1948. Class 42.

Strong Hewat & Co., Inc., New York, N. Y. Cotton and woolen piece goods. 503,987, Nov. 16; Serial No. 545,308, published Aug. 3, 1948. Class 42.

Strong Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 503,988, Nov. 16; Serial No. 545,311, published Aug. 3, 1948. Class 42.

Studebaker Corporation, The, South Bend, Ind. Automobiles. 503,894, Nov. 16; Serial No. 531,160, published Aug. 17, 1948. Class 19.

Sturdee Storage Battery Co.: *See*—
Pep Boys, Manny, Moe & Jack, The.

Sturdy's, J. F., Sons Company, Attleboro Falls, Mass. Jewelry. 503,935, Nov. 16; Serial No. 537,095, published Aug. 10, 1948. Class 28.

Stylepark Hats, Inc., Philadelphia, Pa. Men's hats. 322,400, Mar. 5, 1935. Republished Nov. 16. Class 39.

Sudanette Company, The: *See*—
Hobbs, William W.

Sullivan Valve and Engineering Company, Butte, Mont. Outside-temperature-responsive control instruments. 441,296, Nov. 16; Serial No. 477,438, published Aug. 17, 1948. Class 26.

Sutter Packing Co., Mayfield, by Safeway Stores, Incorporated, Oakland, Calif. Canned fruits. 260,154, Aug. 20, 1929. Republished Nov. 16. Class 46.

Swartzbaugh Manufacturing Company, The, Toledo, Ohio. Electric food roasters. 503,858, Nov. 16; Serial No. 516,328, published July 27, 1948. Class 21.

Swift & Company: *See*—
Swift and Company.

Swift & Company, Chicago, Ill. Lard. 246,300, renewed Sept. 4, 1948. O. G. Nov. 16. Class 46.

Swift and Company, to Swift & Company, Chicago, Ill. Gelatin. 246,768, renewed Sept. 11, 1948. O. G. Nov. 16. Class 46.

Syndicate-Arkwright Trading Co., Inc.: *See*—
Syndicate Trading Co.

Syndicate Store Merchandiser, Inc., New York, N. Y. Section in a periodical. 504,007, Nov. 16; Serial No. 549,029, published Aug. 24, 1948. Class 38.

Syndicate Trading Co., by Syndicate-Arkwright Trading Co., Inc., New York, N. Y. Hosiery. 220,479, Nov. 9, 1926. Republished Nov. 16. Class 39.

Talon, Inc., Meadville, Pa. Slide fasteners. 503,849, Nov. 16; Serial No. 508,875, published Aug. 10, 1948. Class 28.

Teletone Radio Company, assignor to Tele-Tone Radio Corp., New York, N. Y. Radio receiving sets and parts thereof. 441,302, Nov. 16; Serial No. 491,437, published Aug. 10, 1948. Class 21.

Tele-Tone Radio Corp.: *See*—
Teletone Radio Company.

Texas Company, The, New York, N. Y. Electro-mechanical instruments. 441,341–2, Nov. 16; Serial Nos. 519,146–7, published Aug. 24, 1948. Class 26.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 503,855, Nov. 16; Serial No. 513,002, published Aug. 10, 1948. Class 46.

Thomas Truck & Caster Co., Keokuk, Iowa. Floor trucks, floor trailers, casters, etc. 503,958, Nov. 16; Serial No. 539,239, published Aug. 3, 1948. Class 19.

Thommens Uhrenfabriken, A. G., Waldenburg, Switzerland. Watches and clocks of all kinds, and parts thereof. 441,333, Nov. 16; Serial No. 516,155, published July 27, 1948. Class 27.

Thompson, Norberg, Key West, Fla. Canned green sea turtle meat and soup. 408,011, July 11, 1944. Republished Nov. 16. Class 46.

Thornton, Rudolph B., Winchester, Mass. Portable fire alarms. 503,936, Nov. 16; Serial No. 537,103, published Aug. 17, 1948. Class 21.

Tonge, Elizabeth H., doing business as Alber Remedy Co., Belvidere, N. J. Liquid remedy for dyspepsia. 504,012, Nov. 16; Serial No. 550,104, published Aug. 17, 1948. Class 6.

Totus Mfg. Co.: *See*—
Minter, Martha P.

Totus Manufacturing Company, Inc.: *See*—
Minter, Martha P.

Tower, A. J., Company, Portland, Maine, and Boston, to A. J. Tower Company, Boston, Mass. Waterproof textile oiled fabrics. 72,345, re-renewed Jan. 19, 1949. O. G. Nov. 16. Class 42.

Tradio, Inc., Deal, N. J. Electrical equipment. 441,315, Nov. 16; Serial No. 505,167, published Aug. 17, 1948. Class 21.

Trager Manufacturing Company, Scranton, Pa. Insecticides. 155,543, May 30, 1922. Republished Nov. 16. Class 6.

Trager Manufacturing Company, Inc., Scranton, Pa. Ammonia. 272,288, July 1, 1930. Republished Nov. 16. Class 6.

Trees, C. E., & Co., Inc., Indianapolis, Ind. Non-alcoholic, non-cereal, maltless beverage. 319,134, Nov. 20, 1934. Republished Nov. 16. Class 45.

Trees, C. E., & Co., Inc., Indianapolis, Ind. Non-alcoholic, non-cereal, maltless beverage. 342,789, Jan. 26, 1937. Republished Nov. 16. Class 45.

Trimfoot Company: *See*—
Block, Alexander E.

Trinity Portland Cement Company, by General Portland Cement Company, Chicago, Ill. Portland cement. 345,228, Apr. 20, 1937. Republished Nov. 16. Class 12.

Trinity Portland Cement Company, by General Portland Cement Company, Chicago, Ill. Portland cement. 348,237, July 20, 1937. Republished Nov. 16. Class 12.

Trinity Portland Cement Company, by General Portland Cement Company, Chicago, Ill. Portland cement. 358,842, July 26, 1938. Republished Nov. 16. Class 12.

Trinity Portland Cement Company, by General Portland Cement Company, Chicago, Ill. Building and masonry cement. 359,394, Aug. 16, 1938. Republished Nov. 16. Class 12.

Tru-Flex Rubber Products Company, Los Angeles, Calif. Tire repair patches. 356,532, May 3, 1938. Republished Nov. 16. Class 35.

Turner, Oscar A., doing business as Fabritecture Studio, Chicago, Ill. Reproductions and physical impressions of designs produced by stencils, print, or free-hand on paper, etc. 441,307, Nov. 16; Serial No. 498,327, published Aug. 17, 1948. Class 38.

Tuttle & Kift, Inc., Chicago, Ill. Electrical heating units of the resistance wire coil type. 503,865, Nov. 16; Serial No. 520,481, published July 27, 1948. Class 21.

Tuvache, Inc.: *See*—
De Tuvaché, M.

Underwood Corporation, New York, N. Y. Carbon paper and inked ribbons. 503,992, Nov. 16; Serial No. 545,564, published Aug. 17, 1948. Class 11.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils, waxes, and greases. 250,807, renewed Dec. 18, 1948. O. G. Nov. 16. Class 15.

United Accessories Corp., New York, N. Y. Electrical warning device for motor vehicles in form of periodic light interruptor. 441,332, Nov. 16; Serial No. 515,808, published Aug. 17, 1948. Class 21.

United-Carr Fastener Corporation, Cambridge, Mass. Resilient band type and clip type supporting fasteners. 504,036, Nov. 16; Serial No. 527,171. Class 13.

United Co-Operatives, Inc., Alliance, Ohio. Metal roofing, metal stalls, and stanchions, etc. 393,720, Mar. 3, 1942. Republished Nov. 16. Class 12.

Universal Electric Corporation, Owosso, Mich. Electric motors. 503,961, Nov. 16; Serial No. 539,581, published July 27, 1948. Class 21.

Valerie Jean Date Shop: *See*—
Nicoll, R. C.

Vanadium Corporation of America, New York, N. Y. Metallic oxides and salts. 244,653, July 24, 1928. Republished Nov. 16. Class 6.

Vanity Fair Mills, Inc.: *See*—
Vanity Fair Silk Mills.

Vanity Fair Silk Mills, to Vanity Fair Mills, Inc., Reading, Pa. Knitted and textile underwear for women. 249,588, renewed Nov. 20, 1948. O. G. Nov. 16. Class 39.

Van Landingham, Charles E., Los Angeles, by The French Sardine Company of California, Fish Harbor Wharf, Terminal Island, Calif. Canned fish. 131,868, May 25, 1920. Republished Nov. 16. Class 46.

Van Landingham Co., The, Los Angeles, by The French Sardine Company of California, Fish Harbor Wharf, Terminal Island, Calif. Canned fish. 212,264, Apr. 27, 1926. Republished Nov. 16. Class 46.

Viavi Company, The, San Francisco, Calif. Concentrated vitamins. 396,680, July 28, 1942. Republished Nov. 16. Class 6.

Vickers-Armstrongs Limited, London, England. Airplanes and structural parts thereof. 441,310, Nov. 16; Serial No. 500,150, published July 20, 1948. Class 19.

Visking Corporation, The, Chicago, Ill. Non-woven fabrics. 503,848, Nov. 16; Serial No. 506,147, published July 20, 1948. Class 42.

Visor-Ads.: *See*—
Feltault, Arthur J.

Warren, S. D., Company, Boston, Mass. Printing paper. 125,921, July 8, 1919. Republished Nov. 16. Class 37.

Warren, S. D., Boston, Mass. Printing paper. 148,305, Nov. 8, 1921. Republished Nov. 16. Class 37.

Waukegan Chemical Company, North Chicago, Ill., by Atlas Powder Company, Wilmington, Del. Thinners used for lacquers and lacquer enamels. 196,895, Mar. 31, 1925. Republished Nov. 16. Class 16.

Waukegan Chemical Company, North Chicago, Ill., Atlas Powder Company, Wilmington, Del. Film coating materials. 221,208, Nov. 23, 1926. Republished Nov. 16. Class 16.

Wayne Works, The, Richmond, Ind. Automotive and railroad vehicle bodies. 503,889, Nov. 16; Serial No. 529,844, published Aug. 17, 1948. Class 19.

Wernet Dental Mfg. Co., Inc., Jersey City, N. J. Brushes for cleaning false teeth. 503,955, Nov. 16; Serial No. 539,109, published July 20, 1948. Class 29.

Wesix Electric Heater Co., San Francisco, Calif. Electric heaters. 503,959, Nov. 16; Serial No. 539,246, published July 27, 1948. Class 21.

Western Clock Mfg. Co., The, La Salle, Ill., to General Time Instruments Corporation, New York, N. Y. Clocks and watches. 72,178, re-renewed Jan. 5, 1949. O. G. Nov. 16. Class 27.

Western Pharmacal Company, to Western Pharmacal Company, Salt Lake City, Utah. Granular effervescent urinary antiseptic. 251,270, renewed Jan. 1, 1949. O. G. Nov. 16. Class 6.

Western States Grocery Co., to Safeway Stores, Incorporated, Oakland, Calif. Coffee. 243,680, renewed June 26, 1948. O. G. Nov. 16. Class 46.

Weston, Will B., by Santa Clara Pear Association, Santa Clara, Calif. Fresh pears. 187,187, July 29, 1924. Republished Nov. 16. Class 46.

Wharam, Marie A., doing business as The Red Cap Capsule Company, Detroit, Mich. Capsules. 504,002, Nov. 16; Serial No. 547,079, published Aug. 17, 1948. Class 6.

Wheeler Paper Corporation, Albany, N. Y. Toilet paper. 282,941, May 5, 1931. Republished Nov. 16. Class 37.

Wheeler Paper Corporation, Albany, N. Y. Toilet paper. 290,314, Jan. 5, 1932. Republished Nov. 16. Class 37.

Wheeler Paper Corporation, Albany, N. Y. Paper towels. 291,914, Feb. 23, 1932. Republished Nov. 16. Class 37.

White and Hallock, Inc., Muskegon, Mich., to Ekco Products Company, Chicago, Ill. Beaters for culinary purposes. 246,922, renewed Sept. 18, 1948. O. G. Nov. 16. Class 23.

Whitehead Stamping Company: *See*—
Kales Stamping Company.

Whiting-Adams Company, Inc., Boston, Mass. Flat sash brushes. 503,857, Nov. 16; Serial No. 513,354, published Aug. 3, 1948. Class 29.

Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric range units and immersion heaters, and parts thereof. 441,363, Nov. 16; Serial No. 525,730. Class 21.

Williams & Humbert, by Williams & Humbert Limited, London, England. Sherry wines. 306,231, Sept. 12, 1933. Republished Nov. 16. Class 47.

Williams & Humbert, by Williams & Humbert Limited, London, England. Sherry wine. 306,522, Sept. 19, 1933. Republished Nov. 16. Class 47.

Williams & Humbert, by Williams & Humbert Limited London, England. Sherry wine. 307,304, Oct. 24, 1933. Republished Nov. 16. Class 47.

Williams & Humbert, by Williams & Humbert Limited, London, England. Sherry wine. 308,051–2, Nov. 21, 1933. Republished Nov. 16. Class 47.

Williams & Humbert, by Williams & Humbert Limited London, England. Wines. 383,948, Dec. 31, 1940. Republished Nov. 16. Class 47.

Williams & Humbert Limited: *See*—
Williams & Humbert.

Williamsville Buff Mfg. Co.: *See*—
Williamsville Buff Manufacturing Company.

Williamsville Buff Manufacturing Company, by Williamsville Buff Mfg. Co., Danielson, Conn. Buffing wheels. 212,933, May 18, 1926. Republished Nov. 16. Class 4.

Wilshire Oil Company, Inc.: *See*—
Fellows Gasoline Company.

Windsor-Lloyd Products, Inc., Wilmington, Del. Spark plugs. 503,914, Nov. 16; Serial No. 534,704, published Aug. 3, 1948. Class 21.

Winthrop-Stearns Inc.: *See*—
Metz, H. A., Laboratories, Inc.

Wood, John, Manufacturing Company, Inc.: *See*—
Bennett Pumps Corporation.

Wood, T. W., & Sons, Richmond, Va. Poultry foods. 101,611, Dec. 29, 1914. Republished Nov. 16. Class 46.

Wood, T. W., & Sons, Richmond, Va. Grass seed. 334,763, May 12, 1936. Republished Nov. 16. Class 1.

Woolen Corporation of America, The, New York, N. Y. Wool, worsted, cotton, etc. 252,725, renewed Feb. 12, 1949. O. G. Nov. 16. Class 42.

X-ray Visual Sales Method, Inc.: *See*—
Farkas Bros. Inc.

Young, William D., Washington, D. C. Hand knitting yarns. 503,900, Nov. 16; Serial No. 532,186, published June 22, 1948. Class 43.

Zonite Products Corporation, New Brunswick, N. J., and New York, N. Y. Tooth paste. 504,013, Nov. 16; Serial No. 550,373, published Aug. 17, 1948. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cattle, Zebu (Brahman). J. McNeel. 504,029, Nov. 16; Serial No. 518,548.
Coal. Campbells Creek Coal Company. 70,045, July 28, 1908. Republished Nov. 16.
Coal. Galloway Coal Company. 248,168, renewed Oct. 16, 1948. O. G. Nov. 16.
Coal. Lehigh Coal & Navigation Company. 56,244, Sept. 4, 1906. Republished Nov. 16.
Coal-tar crudes, intermediates, dyestuffs, etc. National Aniline & Chemical Company, Inc. 164,690, Feb. 27, 1923. Republished Nov. 16.
Peat moss. Atkins & Durbow, Inc. 307,636, Oct. 31, 1933. Republished Nov. 16.
Seed, Grass. T. W. Wood & Sons. 334,763, May 12, 1936. Republished Nov. 16.

CLASS 2

Bags, Burlap. Lone Star Bag & Bagging Company, Inc. 251,134, renewed Jan. 1, 1949. O. G. Nov. 16.
Containers, Merchandise. Shellmar Products Company. 331,680, Jan. 14, 1936. Republished Nov. 16.
Dampers, fire place baskets, and grates, etc., Fireplace. Donley Brothers Company. 175,033, Oct. 30, 1923. Republished Nov. 16.
Shakers, Base-metal salt-and-pepper, base-metal glass-lined occasional boxes. Chase Brass & Copper Co., Incorporated. 397,404, Sept. 8, 1942. Republished Nov. 16.

CLASS 3

Handbags. Oppenheim, Collins & Co. Inc. 335,466, June 2, 1936. Republished Nov. 16.
Handbags, Children's. Pyramid Leather Goods Company. 348,089, July 13, 1937. Republished Nov. 16.

CLASS 4

Abrasive products, Coated. Armour and Company. 503,881, Nov. 16; Serial No. 528,674, published Aug. 17, 1948.
Buffing wheels. Williamsville Buff Manufacturing Company. 212,933, May 18, 1926. Republished Nov. 16.
Chemical compositions. National Aniline & Chemical Company, Inc. 347,643, June 29, 1937. Republished Nov. 16.
Cleaner in powder form. Diversey Corporation. 503,862, Nov. 16; Serial No. 518,285, published Aug. 17, 1948.
Cleaning compound, All-purpose. Atlantic Refining Company. 503,973, Nov. 16; Serial No. 543,053, published Aug. 17, 1948.
Cleaning compounds, Liquid and powdered. O. W. Meeker. 503,974, Nov. 16; Serial No. 543,728, published Aug. 17, 1948.
Cleaning powder for general household use. Bon Ami Company. 504,032, Nov. 16; Serial No. 519,168.
Cleanser in powdered form. Diversey Corporation. 503,867, Nov. 16; Serial No. 522,734, published Aug. 17, 1948.
Detergent, and a wetting agent. Oil-Dri Corporation of America. 504,016, Nov. 16; Serial No. 552,161, published Aug. 17, 1948.
Detergents, Sodium phosphate. General Chemical Company. 355,860–1, Apr. 5, 1938. Republished Nov. 16.
Furniture-cleaning compound. Hillyard Chemical Company. 251,181, renewed Jan. 1, 1948. O. G. Nov. 16.
Liquid solvents for carbon, paint, aniline dyes, etc. Practical Products Company. 441,344, Nov. 16; Serial No. 516,375, published Aug. 17, 1948.
Plasticlike material for use on greasy and wet floors and surfaces, Non-slip. Walter G. Legge Company, Inc. 503,899, Nov. 16; Serial No. 532,141, published Aug. 17, 1948.
Polish in liquid form, Metal. Diversey Corporation. 503,866, Nov. 16; Serial No. 521,248, published Aug. 17, 1948.
Polishes, shoe blackings, shoe cleansers, etc., Shoe. Griffin Manufacturing Company, Inc. 504,001, Nov. 16; Serial No. 546,847, published Aug. 17, 1948.
Sal soda and bicarbonate of soda, Baking soda. Church & Dwight Co., Inc. 503,872, Nov. 16; Serial No. 526,792, published Aug. 17, 1948.
Sal soda, baking soda, (bicarbonate of soda). Church & Dwight Co., Inc. 503,869, Nov. 16; Serial No. 526,742, published Aug. 17, 1948.
Sal soda, baking soda, (bicarbonate of soda). Church & Dwight Co., Inc. 503,870, Nov. 16; Serial No. 526,761, published Aug. 17, 1948.
Sal soda, monohydrated carbonate of soda, and baking soda, etc. Church & Dwight Co., Inc. 503,871, Nov. 16; Serial No. 526,779, published Aug. 17, 1948.
Soap. The Fair. 503,925, Nov. 16; Serial No. 536,366, published Aug. 17, 1948.
Soap. Polk Miller Products Corp. 295,145, June 21, 1932. Republished Nov. 16.
Soap. Polk Miller Products Corporation. 331,351, Jan. 7, 1936. Republished Nov. 16.

Soap powder, soap grains, soap flakes, hand soap and household cleanser. Great Atlantic and Pacific Tea Company. 503,952, Nov. 16; Serial No. 538,127, published Aug. 17, 1948.
Soaps, Medicinal. Stiefel Medicinal Soap Company, Inc. 504,015, Nov. 16; Serial No. 550,631, published Aug. 17, 1948.
Steel wool and soap cleaning pads. Ohio Match Company. 388,788, July 8, 1941. Republished Nov. 16.

CLASS 5

Dextrins. Corn Products Refining Company. 71,656, renewed Dec. 8, 1948. O. G. Nov. 16.
Glue, Liquid marine. Estate of H. B. Fred Kuhls. 382,945, Nov. 19, 1940. Republished Nov. 16.

CLASS 6

Acids, Organic. National Aniline & Chemical Company, Inc. 270,213, Apr. 29, 1930. Republished Nov. 16.
Ammonia. Trager Manufacturing Company, Inc. 272,288, July 1, 1930. Republished Nov. 16.
Antiseptic, Granular effervescent urinary. Western Pharmacal Company. 251,270, renewed Jan. 1, 1949. O. G. Nov. 16.
Base coat for nail polish. Avon Products, Inc. 504,037, Nov. 16; Serial No. 531,186.
Capsules. M. A. Wharam. 504,002, Nov. 16; Serial No. 547,079, published Aug. 17, 1948.
Capsules, Laxative, worm medicine, condition pills, etc. Folk Miller Products Corp. 350,436, Sept. 28, 1937. Republished Nov. 16.
Chemical compositions. North American Fibre Products Company. 404,093, Nov. 2, 1943. Republished Nov. 16.
Chemical compound. J. B. Hollifield. 504,021, Nov. 16; Serial No. 508,379.
Chemicals, Heavy. General Chemical Company. 354,571–2, Feb. 15, 1938. Republished Nov. 16.
Coal tar product. National Aniline & Chemical Company, Incorporated. 221,023, Nov. 23, 1926. Republished Nov. 16.
Composition for treatment of fuel oils. Metropolitan Refining Co., Inc. 503,860, Nov. 16; Serial No. 517,918, published Aug. 24, 1948.
Crudes, intermediates, dyestuffs, etc., Coal-tar. National Aniline & Chemical Company, Inc. 164,690, Feb. 27, 1923. Republished Nov. 16.
Crudes, intermediates, dyestuffs, etc., Coal-tar. National Aniline & Chemical Company, Incorporated. 173,271, Sept. 18, 1923. Republished Nov. 16.
Deodorants. J. A. Haines. 358,198, June 28, 1938. Republished Nov. 16.
Developer, Photographic. Eastman Kodak Company. 249,625, renewed Nov. 20, 1948. O. G. Nov. 16.
Developers, fixers, hardeners, etc. Pratt & Gray Company. 412,134, Feb. 20, 1945. Republished Nov. 16.
Dyeing aids, fibre treating, moistening, etc., Chemical. National Aniline & Chemical Company, Inc. 336,901, July 21, 1936. Republished Nov. 16.
Dyes, dyestuffs, and colors. National Aniline & Chemical Company, Inc. 160,928, Oct. 31, 1922. Republished Nov. 16.
Dyes, dyestuffs, and colors. National Aniline & Chemical Company, Inc. 161,242, Nov. 7, 1922. Republished Nov. 16.
Dyes, dyestuffs, and colors. National Aniline & Chemical Company, Incorporated. 195,765, Mar. 3, 1925. Republished Nov. 16.
Dyestuffs. National Aniline & Chemical Company, Incorporated. 165,706, Mar. 20, 1923. Republished Nov. 16.
Dyestuffs. National Aniline & Chemical Company, Incorporated. 187,553, Aug. 5, 1924. Republished Nov. 16.
Dyestuffs, Coal-tar. National Aniline & Chemical Company, Inc. 126,949, Oct. 14, 1919. Republished Nov. 16.
Dyestuffs, Coal-tar. National Aniline & Chemical Company, Inc. 153,804, Mar. 28, 1922. Republished Nov. 16.
Dyestuffs, Coal-tar. National Aniline & Chemical Company, Incorporated. 186,016, July 1, 1924. Republished Nov. 16.
Extracts, Tanning. International Products Corporation. 503,891, Nov. 16; Serial No. 530,513, published Aug. 24, 1948.
Face creams and lotions. Elizabeth Arden, Inc. 249,634, renewed Nov. 20, 1948. O. G. Nov. 16.
Facial creams. Elmo, Inc. 503,934, Nov. 16; Serial No. 537,025, published Aug. 17, 1948.
Fluid for automobile radiators, Non-freezing. Nourse Oil Company. 245,031, renewed Aug. 7, 1948. O. G. Nov. 16.
Fluxes, Tinning. Grasselli Chemical Company. 247,209, renewed Sept. 25, 1948. O. G. Nov. 16.
Food-colors. National Aniline & Chemical Company, Incorporated. 127,769, Dec. 2, 1919. Republished Nov. 16.

Food-colors. National Aniline & Chemical Company, Incorporated. 129,511, Feb. 24, 1920. Republished Nov. 16.
Food-colors. National Aniline & Chemical Company, Incorporated. 131,349, May 11, 1920. Republished Nov. 16.
Food-colors. National Aniline & Chemical Company, Incorporated. 131,351–6, May 11, 1920. Republished Nov. 16.
Food-colors. National Aniline & Chemical Company, Incorporated. 131,558–60, May 18, 1920. Republished Nov. 16.
Food colors, Certified. National Aniline & Chemical Company, Incorporated. 193,390, Dec. 30, 1924. Republished Nov. 16.
Food colors, Certified. National Aniline & Chemical Company, Incorporated. 194,837, Feb. 10, 1925. Republished Nov. 16.
Germicide. Northern Research Laboratories, Inc. 319,693, Dec. 4, 1934. Republished Nov. 16.
Hair dressings, pre-shave lotion, after shave lotion, etc. Courtley, Ltd. 441,335, Nov. 16; Serial No. 524,304, published Aug. 24, 1948.
Incense. S. C. Ghose. 503,875, Nov. 16; Serial No. 527,516, published Aug. 17, 1948.
Inhalants. Sharp & Dohme. 69,567, re-renewed June 23, 1948. O. G. Nov. 16.
Insecticide. I. F. Laucks, Inc. 433,394, Oct. 14, 1947. Republished Nov. 16.
Insecticides. Cook Chemical Company. 504,048, Nov. 16; Serial No. 554,952.
Insecticides. Trager Manufacturing Company. 155,543, May 30, 1922. Republished Nov. 16.
Liquid compound. North American Fibre Products Company. 363,078, Dec. 13, 1938. Republished Nov. 16.
Liquid remedy for dyspepsia. E. H. Tonge. 504,012, Nov. 16; Serial No. 550,104, published Aug. 17, 1948.
Lotion. Chamberlin Laboratories. 311,905, Apr. 10, 1934. Republished Nov. 16.
Lotion, Dandruff. A. Nadreau. 503,911. Nov. 16; Serial No. 534,652, published Aug. 17, 1948.
Lotion to be used on the skin. H. Clay Glover Co., Inc. 504,047, Nov. 16; Serial No. 553,488.
Lotions, Hair waving. Sales Affiliates, Inc. 441,293, Nov. 16; Serial No. 469,916, published Aug. 24, 1948.
Medicament. L. N. Renault & Sons, Inc. 305,814, Aug. 22, 1933. Republished Nov. 16.
Medicine. Hollander-Koshland Co. 144,796, July 19, 1921. New certificate. O. G. Nov. 16.
Ointment, Medicated greaseless. M. P. Minter. 366,256, Apr. 4, 1939. Republished Nov. 16.
Oxides and salts, Metallic. Vanadium Corporation of America. 244,653, July 24, 1928. Republished Nov. 16.
Oxidizing agent and kier-boiling assistant, Protective. National Aniline & Chemical Company, Inc. 362,307, Nov. 15, 1948. Republished Nov. 16.
Perfume and cologne. M. de Tuvaché. 414,206, May 29, 1945. Republished Nov. 16.
Perfume, toilet water, talcum powder, face powder, etc. Coty, Inc. 503,950–1, Nov. 16; Serial Nos. 538,100–1. published Aug. 10, 1948.
Perfumes. Jean-Pascal Lorriaux & Cie. 441,347, Nov. 16; Serial No. 520,401, published Aug. 17, 1948.
Pharmaceutical preparation. First Texas Chemical Mfg. Co. 441,353, Nov. 16; Serial No. 523,951, published Aug. 10, 1948.
Powder, talc, bubble bath, and toilet water, Dusting. Sportline, Inc. 441,329, Nov. 16; Serial No. 514,143, published Mar. 11, 1947.
Preparation intended to be taken internally. Reese Chemical Company. 504,010, Nov. 16; Serial No. 549,967, published Aug. 17, 1948.
Salts having a low melting point, Mixture of inorganic. E. F. Houghton & Co. 503,907, Nov. 16; Serial No. 533,572, published Aug. 24, 1948.
Scalp preparation. J. R. Jones. 122,324, July 23, 1918. Republished Nov. 16.
Sedative and hypnotic, Analgesic. H. A. Metz Laboratories, Inc. 247,513, renewed Sept. 25, 1948. O. G. Nov. 16.
Shampoo. H. Curtis Industries, a Division of National Industries, Inc. 503,847, Nov. 16; Serial No. 505,892, published Aug. 24, 1948.
Solution containing an active principle secured from the interstitial cells of leydig, a medicinal preparation. Harrower Laboratory, Inc. 242,870, June 5, 1928. Republished Nov. 16.
Tablets containing vitamin C. National Institute of Nutrition. 373,831, Dec. 26, 1939. Republished Nov. 16.
Tablets, Laxative digestive. G. Peplow. 241,388, Apr. 24, 1928. Republished Nov. 16.
Toilet vinegar, sachet, brilliantine, etc. Pinaud, Incorporated. 253,462, renewed Feb. 26, 1949. O. G. Nov. 16.
Tonic, Blood and nerve. A. R. Martino. 252,647, renewed Feb. 12, 1949. O. G. Nov. 16.
Tonic, General. L. N. Renault & Sons, Inc. 306,262–3, Sept. 12, 1933. Republished Nov. 16.
Tooth paste. Zonite Products Corporation. 504,013, Nov. 16; Serial No. 550,373, published Aug. 17, 1948.
Tooth paste, shampoo, hair lotion, etc. Helene Pessl, Inc. 441,328, Nov. 16; Serial No. 509,672, published Aug. 24, 1948.
Vitamins, Concentrated. Viavi Company. 396,680, July 28, 1942. Republished Nov. 16.
Wetting out agents, emulsifying agents, and dye assistants. National Aniline & Chemical Company, Inc. 284,944, July 14, 1931. Republished Nov. 16.

CLASS 8

Ash trays, cigar and cigarette cases and boxes, combination cigarette cases and lighters, etc. Colibri Lighters Limited. 441,305, Nov. 16; Serial No. 496,370, published Apr. 20, 1948.
Ash trays, cigarette receptacles. C. Spitzel. 503,962, Nov. 16; Serial No. 540,477, published Aug. 17, 1948.
Lighters, Pyrophoric cigar, candlesticks, condenser tubes. Chase Brass & Copper Co. Incorporated. 397,406, Sept. 8, 1942. Republished Nov. 16.
Pipes, Smoking. John Hudson Moore, Inc. 503,852, Nov. 16; Serial No. 512,072, published Aug. 17, 1948.
Pipes, Smoking, and cigarette holders. Kirsten Pipe Company. 416,980, Oct. 9, 1945. Republished Nov. 16.
Pipes, Smoking, and cigarette holders. Kirsten Pipe Company. 417,466, Oct. 30, 1945. Republished Nov. 16.

CLASS 9

Matches. Ohio Match Company. 355,761, Mar. 29, 1938. Republished Nov. 16.
Rifles, Air. A. B. T. Manufacturing Corp. 386,558, Apr. 15, 1941. Republished Nov. 16.
Rifles, Air. A. B. T. Manufacturing Corp. 390,137, Sept. 9, 1941. Republished Nov. 16.

CLASS 10

Fertilizer. Reliance Fertilizer Company. 349,383, Aug. 24, 1937. Republished Nov. 16.

CLASS 11

Carbon black. G. L. Cabot. 503,919, Nov. 16; Serial No. 535,794, published Aug. 17, 1948.
Carbon paper and inked ribbons. Underwood Corporation. 503,992, Nov. 16; Serial No. 545,564, published Aug. 17, 1948.
Inks and printing ink varnishes, Printing. Charles E. Salmon, Inc. 503,991, Nov. 16; Serial No. 545,538, published Aug. 17, 1948.

CLASS 12

Blocks of stone. Breen Stone & Marble Company. 243,656, June 26, 1928. Republished Nov. 16.
Bricks and blocks, Building and paving. Metropolitan Paving Brick Company. 275,556–7, Sept. 23, 1930. Republished Nov. 16.
Cement, Building and masonry. Florida Portland Cement Company. 359,256, Aug. 9, 1938. Republished Nov. 16.
Cement, Building and masonry. Trinity Portland Cement Company. 359,394, Aug. 16, 1938. Republished Nov. 16.
Cement, Portland. Consolidated Cement Corporation. 345,225, Apr. 20, 1937. Republished Nov. 16.
Cement, Portland. Consolidated Cement Corporation. 345,632–3, May 4, 1937. Republished Nov. 16.
Cement, Portland. Florida Portland Cement Company. 345,226, Apr. 20, 1937. Republished Nov. 16.
Cement, Portland. Northwestern States Portland Cement Co. 70,578, Sept. 15, 1908. Republished Nov. 16.
Cement, Portland. Signal Mountain Portland Cement Company. 345,227, Apr. 20, 1937. Republished Nov. 16.
Cement, Portland. Trinity Portland Cement Company. 345,228, Apr. 20, 1937. Republished Nov. 16.
Cement, Portland. Trinity Portland Cement Company. 348,237, July 20, 1937. Republished Nov. 16.
Cement, Portland. Trinity Portland Cement Company. 358,842, July 26, 1938. Republished Nov. 16.
Copper and copper alloy downspouts; copper and copper alloy gutters; copper and copper alloy fittings for downspouts, etc. Chase Brass & Copper Co. Incorporated. 397,783, Sept. 22, 1942. Republished Nov. 16.
Mixture, Prepared. Cleveland Builders Supply & Brick Company. 160,415, Oct. 24, 1922. Republished Nov. 16.
Relish and jam sets. Chase Brass & Copper Co. Incorporated. 398,429, Oct. 27, 1942. Republished Nov. 16.
Roofing, metal stalls, and stanchions, etc., Metal. United Co-Operatives, Inc. 393,720, Mar. 3, 1942. Republished Nov. 16.
Roofing, roofing-felt, bituminous roofing-cement, etc., Bituminous. Barber Asphalt Paving Company. 71,934, re-renewed Dec. 22, 1948. O. G. Nov. 16.
Weather-proofing material, Composite sheet. Chase Brass & Copper Co. Incorporated. 353,560, Jan. 11, 1938. Republished Nov. 16.
Window and door frames, Wooden. Andersen Lumber Company. 135,591, Oct. 19, 1920. Republished Nov. 16.
Window and door frames, Wooden. Andersen Lumber Company. 136,745, Nov. 9, 1920. Republished Nov. 16.
Window and door frames, Wooden. Andersen Lumber Company. 260,699, Aug. 27, 1929. Republished Nov. 16.

CLASS 13

Aerators, Water. Chase Brass & Copper Co. Incorporated. 424,370, Oct. 1, 1946. Republished Nov. 16.
Aluminum-ware. Aluminum Goods Manufacturing Co. 229,399, June 28, 1927. Republished Nov. 16.
Fasteners, Resilient band type and clip type supporting. United-Carr Fastener Corporation. 504,036, Nov. 16; Serial No. 527,171.
Hydrants, floor stands, indicator posts, etc. Darling Valve & Manufacturing Company. 258,136, June 25, 1929. Republished Nov. 16.
Knobs, handles, pulls, etc., Plastic molded. Imperial Molded Products Corporation. 418,665, Jan. 8, 1946. Republished Nov. 16.
Level controllers, steam and air pressure regulators, vacuum regulators, etc., Liquid. Fisher Governor Company. 238,084, Jan. 24, 1928. Republished Nov. 16.
Relish and jam sets. Chase Brass & Copper Co. Incorporated. 398,429, Oct. 27, 1942. Republished Nov. 16.
Stampings and hardware, Metal. G. G. Greene Manufacturing Corporation. 408,334, Aug. 8, 1944. Republished Nov. 16.
Tubes, Copper-base. Chase Brass & Copper Co. Incorporated. 423,582, Sept. 3, 1946. Republished Nov. 16.
Valves. Fisher Governor Company. 78,698, July 5, 1910. Republished Nov. 16.

CLASS 14

Bars, rods, billets, etc., Steel. Crucible Steel Company of America. 70,808, re-renewed Oct. 6, 1948. O. G. Nov. 16.
Castings made from metal. American Brake Shoe & Foundry Company. 87,141, July 2, 1912. Republished Nov. 16.
Rods of copper-base alloys. Chase Brass & Copper Co. Incorporated. 403,889, Oct. 19, 1943. Republished Nov. 16.
Rods, wire, and sheets, Copper-base. Chase Brass & Copper Co. Incorporated. 420,645, Apr. 23, 1946. Republished Nov. 16.
Sheets, rods, wire, etc., Non-ferrous metal. Chase Brass & Copper Co. Incorporated. 379,755, July 23, 1940. Republished Nov. 16.
Switches, Rail. Ramapo Ajax Corporation. 288,568, Nov. 3, 1931. Republished Nov. 16.

CLASS 15

Oil and grease lubricants, anti-corrosive oils and greases, gun oils, etc. American Oil & Supply Company. 412,805–7, Mar. 27, 1945. Republished Nov. 16.
Oil for lubrication. American Oil & Supply Company. 414,468, June 12, 1945. Republished Nov. 16.
Oils, waxes, and greases, Lubricating. Union Oil Company of California. 250,807, renewed Dec. 18, 1948. O. G. Nov. 16.
Petroleum products. Fellows Gasoline Company. 203,342, Sept. 15, 1925. Republished Nov. 16.

CLASS 16

Carbon black. Godfrey L. Cabot, Inc. 190,940, Oct. 28, 1924. Republished Nov. 16.
Coating materials, Film. Waukegan Chemical Company. 221,208, Nov. 23, 1926. Republished Nov. 16.
Enamels, Paint. Spencer-Adams Paint Company. 418,122, Dec. 4, 1945. Republished Nov. 16.
Lacquer, paint enamel, paint thinners, etc. Con-Ferro Paint & Varnish Company. 279,827, Jan. 27, 1931. Republished Nov. 16.
Lacquers, lacquer enamels, paintlike compound, etc. Atlas Powder Company. 336,585, July 7, 1936. Republished Nov. 16.
Oils. Balfour, Williamson and Company. 164,415, Feb. 20, 1923. Republished Nov. 16.
Paint, Aluminum. Holzapfel's Compositions Company, Limited. 62,781, May 28, 1907. Republished Nov. 16.
Paint enamel, floor enamel, ready-mixed house paint, etc. Con-Ferro Paint and Varnish Co. 262,821, Oct. 22, 1929. Republished Nov. 16.
Paint, Ready-mixed, paint enamels, varnishes, etc. City Paint Company. 317,085, Sept. 11, 1934. Republished Nov. 16.
Paint, Ready-mixed, varnish, paint enamel, etc. Spencer-Adams Paint Company, Inc. 409,720, Oct. 17, 1944. Republished Nov. 16.
Paints and enamels. Holzapfels Limited. 74,984, Aug. 24, 1909. Republished Nov. 16.
Paints and varnishes, Ready-mixed. Preservative Paint Co. 125,836, June 17, 1919. Republished Nov. 16.
Paints, Antifouling marine. International Paint Company, Inc. 380,054, Aug. 6, 1940. Republished Nov. 16.
Paints in ready-mixed form, paint enamels, varnishes, putties, etc. International Paint Company, Inc. 432,974, Sept. 23, 1947. Republished Nov. 16.
Paints, paint enamels, paint stipple, wall finish, etc., Ready-mixed. Con-Ferro Paint & Varnish Company. 283,627, June 2, 1931. Republished Nov. 16.
Paints, Ready-mixed and paste. International Paint & Compositions Company, Limited. 282,603, Apr. 28, 1931. Republished Nov. 16.
Thinners used for lacquers and lacquer enamels. Waukegan Chemical Company. 196,895, Mar. 31, 1925. Republished Nov. 16.
Stain, Varnish. Hanna Paint Mfg. Co. 45,949, Aug. 29, 1905. Republished Nov. 16.
Varnishes. American Varnish Company. 39,044, Oct. 14, 1902. Republished Nov. 16.

CLASS 17

Cigarettes. P. Lorillard Company. 503,930, Nov. 16; Serial No. 536,929, published Aug. 17, 1948.
Cigarettes. P. Lorillard Company. 503,931, Nov. 16; Serial No. 536,931, published Aug. 17, 1948.
Cigars. Jose Escalante & Co. 504,041, Nov. 16; Serial No. 533,241.
Cigars. P. Lorillard Company. 503,932, Nov. 16; Serial No. 536,932, published Aug. 17, 1948.
Tobacco, Plug, twist and smoking. Cumberland Tobacco Works. 196,447, Mar. 17, 1925. Republished Nov. 16.
Tobacco, Smoking. Cumberland Tobacco Works, Inc. 163,303, Jan. 9, 1923. Republished Nov. 16.
Tobacco, Smoking. P. Lorillard Company. 503,933, Nov. 16; Serial No. 536,934, published Aug. 17, 1948.
Tobacco, Smoking and chewing. Cumberland Tobacco Works. 190,070, Oct. 7, 1924. Republished Nov. 16.

CLASS 19

Airplane propellers and propeller hubs and parts thereof. Continental Aviation and Engineering Corporation. 441,309, Nov. 16; Serial No. 499,390, published July 20, 1948.
Airplanes, airframes and airframe parts. Northrop Aircraft, Inc. 504,044, Nov. 16; Serial No. 537,609.
Airplanes and structural parts thereof. Lockheed Aircraft Corporation. 441,301, Nov. 16; Serial No. 490,250, published Aug. 10, 1948.
Airplanes and structural parts thereof. Piper Aircraft Corporation. 441,354, Nov. 16; Serial No. 524,080, published Aug. 3, 1948.
Airplanes and structural parts thereof. Vickers-Armstrongs Limited. 441,310, Nov. 16; Serial No. 500,150, published July 20, 1948.
Automobiles. Hillman Motor Car Company Limited. 504,026–7, Nov. 16; Serial Nos. 516,840–1.
Automobiles. Studebaker Corporation. 503,894, Nov. 16; Serial No. 531,160, published Aug. 17, 1948.
Automobiles and their structural parts. Chrysler Corporation. 290,320, Jan. 5, 1932. Republished Nov. 16.
Bicycles. Boren Bicycle Company. 503,890, Nov. 16; Serial No. 530,372, published Aug. 3, 1948.
Boats. Paul Bunyan Bait Company. 503,963, Nov. 16; Serial No. 540,515, published Aug. 17, 1948.
Boats, Power driven, row and sail. R. S. Boles. 503,843, Nov. 16; Serial No. 501,306, published Aug. 17, 1948.
Boats, Small. Southwest Manufacturing Company. 503,856, Nov. 16; Serial No. 513,220, published July 20, 1948.
Brake shoes. American Brake Shoe & Foundry Company. 74,793–4, Aug. 10, 1909. Republished Nov. 16.
Brake shoes. American Brake Shoe & Foundry Company. 106,193, Oct. 19, 1915. Republished Nov. 16.
Brake shoes. American Brake Shoe & Foundry Company. 106,280, Oct. 19, 1915. Republished Nov. 16.
Brake shoes. American Brake Shoe and Foundry Company. 288,054, Oct. 20, 1931. Republished Nov. 16.
Coaches, Automotive trailer house. Spartan Aircraft Company. 503,966, Nov. 16; Serial No. 540,726, published Aug. 3, 1948.
Covers for automobile seats. B. J. Lemberg. 503,972, Nov. 16; Serial No. 542,773, published Aug. 3, 1948.
Helicopters and structural parts thereof. Bell Aircraft Corporation. 441,320, Nov. 16; Serial No. 507,364, published Aug. 17, 1948.
Helicopters and structural parts thereof. Bell Aircraft Corporation. 441,321, Nov. 16; Serial No. 507,365, published Aug. 17, 1948.
Holders for maps and the like. A. J. Feltault. 441,346, Nov. 16; Serial No. 520,156, published July 20, 1948.
Map holders or jackets adapted for application to sun visors for automobiles. A. J. Feltault. 441,340, Nov. 16; Serial No. 518,882, published Aug. 10, 1948.
Mirrors for motor vehicles. Kales Stamping Company. 170,013, July 10, 1923. Republished Nov. 16.
Radiators, Automobile. Perfex Radiator Company. 148,703, Nov. 22, 1921. Republished Nov. 16.
Seat covers, Auto, boat covers and boat sails. Eveready Canvas Corporation. 503,880, Nov. 16; Serial No. 528,616, published Aug. 3, 1948.
Seat covers, Automobile. Glostex Products, Inc. 503,983, Nov. 16; Serial No. 544,442, published Aug. 3, 1948.
Tanks, combined fuel tanks and tool chests, etc., Fuel. Prior Products, Inc. 441,335, Nov. 16; Serial No. 516,506, published Aug. 3, 1948.
Trailers, House. Lighthouse Trailer Inc. 503,873, Nov. 16; Serial No. 526,884, published Aug. 3, 1948.
Trucks, floor trailers, casters, etc., Floor. Thomas Truck & Caster Co. 503,958, Nov. 16; Serial No. 539,239, published Aug. 3, 1948.
Trucks, Hand. Fairbanks Company. 504,042, Nov. 16; Serial No. 534,008.
Trucks of plastic fibre or metal, Hand. Fibrean Corporation. 441,312, Nov. 16; Serial No. 502,958, published Aug. 17, 1948.

Vehicle bodies, Automotive and railroad. Wayne Works. 503,889, Nov. 16; Serial No. 529,844, published Aug. 17, 1948.
Vehicle heaters. E. A. Laboratories, Inc. 503,967, Nov. 16; Serial No. 541,113, published Aug. 17, 1948.
Vehicles, Amphibian tracked landing. Food Machinery Corporation. 441,295, Nov. 16; Serial No. 472,948, published Aug. 10, 1948.
Wagons, trucks, and trailers, etc., Attachments for commercial. W. W. Jackson. 441,308, Nov. 16; Serial No. 498,902, published Aug. 17, 1948.

CLASS 20

Linseed oil on an asphaltum impregnated felt base, Composition of oxidized. Armstrong Cork Company. 223,736, Feb. 8, 1927. Amended. O. G. Nov. 16.
Oilcloth. Columbus-Union Oil Cloth Co. 194,212, Jan. 20, 1925. Republished Nov. 16.
Oiled cloth. Columbus-Union Oil Cloth Co. 196,264–5, Mar. 17, 1925. Republished Nov. 16.
Oiled cloth. Columbus-Union Oil Cloth Co. 196,428, Mar. 17, 1925. Republished Nov. 16.
Oiled cloth. Columbus-Union Oil Cloth Co. 232,382, Sept. 6, 1927. Republished Nov. 16.

CLASS 21

Amplifiers, Radio frequency power. Radio Engineering Laboratories, Inc. 503,939, Nov. 16; Serial No. 537,503, published Aug. 10, 1948.
Anodes, Copper, copper electrical bus bar electric table and floor lamps, etc. Chase Brass & Copper Co. Incorporated. 396,518, July 21, 1942. Republished Nov. 16.
Apparatus for providing audible indication to trace electronic signals in radio apparatus and the like; and electronic sound amplifiers. Precision Electronics, Inc. 441,345, Nov. 16; Serial No. 519,693, published Aug. 10, 1948.
Batteries. C. A. Hasslinger. 267,604, Feb. 25, 1930. Republished Nov. 16.
Buzzers, Electric. Wm. J. Murdock Co. 504,023, Nov. 16; Serial No. 513,268.
Connectors, Solderless. Jasper Blackburn Products Corporation. 503,882, Nov. 16; Serial No. 528,985, published Aug. 17, 1948.
Drills, Portable electric hand manipulable. E. S. Karlsen. 503,905, Nov. 16; Serial No. 533,319, published Aug. 10, 1948.
Electrical apparatus. Leland Electric Company. 503,929, Nov. 16; Serial No. 536,910, published Aug. 17, 1948.
Electrical equipment. Tradio, Inc. 441,315, Nov. 16; Serial No. 505,167, published Aug. 17, 1948.
Equipment and supplies, Electrical. Le Jay Manufacturing Co. 503,883, Nov. 16; Serial No. 529,059, published Aug. 17, 1948.
Fire alarms, Portable. R. B. Thornton. 503,936, Nov. 16; Serial No. 537,103, published Aug. 17, 1948.
Fittings and fixtures, Electrical line and conduit. Reliable Electric Company. 503,876, Nov. 16; Serial No. 527,539, published July 27, 1948.
Flashlights. Hamilton Art Metal Corporation. 504,022, Nov. 16; Serial No. 510,951.
Generators, armatures, starter drives and fuel pumps, Rebuilt electric. Generator-Ignition Sales Co. 441,330, Nov. 16; Serial No. 514,757, published July 27, 1948.
Generators, Electric, and parts thereof, gas and gasoline engine driven generator sets, electric motors, etc. Master Electric Company. 441,294, Nov. 16; Serial No. 471,267, published July 27, 1948.
Heaters, Electric. Wesix Electric Heater Co. 503,959, Nov. 16; Serial No. 539,246, published July 27, 1948.
Heating mantles and heaters, Electrical. Glas-Col Apparatus Company. 503,846, Nov. 16; Serial No. 503,898, published July 27, 1948.
Heating units of the resistance wire coil type, Electrical. Tuttle & Kift, Inc. 503,865, Nov. 16; Serial No. 520,481, published July 27, 1948.
Iron, Electric hand. Pioneer Products, Incorporated. 441,331, Nov. 16; Serial No. 514,841, published Aug. 3, 1948.
Irons, Automatic electric, electric heating pads and toasters. Son-Chief Electrics, Incorporated. 441,356, Nov. 16; Serial No. 524,578, published Aug. 3, 1948.
Lamps, Electric. Minuet Lamp Industries, Inc. 503,971, Nov. 16; Serial No. 542,628, published July 27, 1948.
Lamps, Incandescent, fluorescent, short wave, and ultraviolet. Industrial Electronics Corporation. 400,946, Apr. 13, 1943. Republished Nov. 16.
Lighting equipment, Electric. Bright Light Reflector Co., Inc. 503,949, Nov. 16; Serial No. 538,093, published Aug. 10, 1948.
Lighting fixtures, Electrical, and brackets and stands. Dazor Manufacturing Corp. 503,877, Nov. 16; Serial No. 527,914, published July 27, 1948.
Motor-clutches, Electric. Dynamatic Corporation. 503,874, Nov. 16; Serial No. 527,431, published Aug. 17, 1948.
Motors and various types of portable electrically-driven tools. Electrical. Louisville Electric Manufacturing Company. 503,903, Nov. 16; Serial No. 532,943, published July 27, 1948.
Motors, Electric. Universal Electric Corporation. 503,961, Nov. 16; Serial No. 539,581, published July 27, 1948.
Motors, Synchronous alternating current. Pioneer Instrument Company, Inc. 309,015, Dec. 26, 1933. Republished Nov. 16.
Panel boards, composite panels, switch board panels, etc., Electrical. Masonite Corporation. 503,850, Nov. 16; Serial No. 511,565, published Aug. 17, 1948.
Radio receiving and transmitting apparatus. Bendix Aviation Corporation. 504,024, Nov. 16; Serial No. 515,153.
Radio receiving antennae, television receiving antennae, frequency modulation receiving antennae, etc., Automobile. H. L. Dalis, Inc. 441,328, Nov. 16; Serial No. 513,557, published Aug. 17, 1948.
Radio receiving sets and parts thereof. Telephone Radio Company. 441,302, Nov. 16; Serial No. 491,437, published Aug. 10, 1948.
Range units and immersion heaters, and parts thereof, Electric. Edwin L. Wiegand Company. 441,363, Nov. 16; Serial No. 525,730.
Ranges and cookers, Electric. A. E. Rau. 503,842, Nov. 16; Serial No. 501,007, published Aug. 17, 1948.
Recording tape for magnetized reproduction. Minnesota Mining & Manufacturing Company. 503,908, Nov. 16; Serial No. 533,593, published Aug. 17, 1948.
Recording wire, Sound. National-Standard Company. 504,034, Nov. 16; Serial No. 520,829.
Reflectors for electric lights. F. A. Metlen. 503,854, Nov. 16; Serial No. 512,918, published Aug. 17, 1948.
Roasters, Electric food. Swartzbaugh Manufacturing Company. 503,858, Nov. 16; Serial No. 516,328, published July 27, 1948.
Separators, Magnetic. S. G. Frantz Co., Inc. 503,904, Nov. 16; Serial No. 533,156, published July 27, 1948.
Spark plugs. Windsor-Lloyd Products, Inc. 503,914, Nov. 16; Serial No. 534,704, published Aug. 3, 1948.
Spark plugs, and parts therefor, Automotive and gas engine. Stitt Ignition Company. 503,861, Nov. 16; Serial No. 518,111, published Aug. 17, 1948.
Storage batteries. Noah's Ark Auto Accessories, Inc. 306,006, Aug. 29, 1933. Republished Nov. 16.
Storage batteries. Pep Boys, Manny, Moe, & Jack. 503,912, Nov. 16; Serial No. 534,665, published Aug. 27, 1948.
Storage batteries. Pep Boys, Manny, Moe & Jack. 503,913, Nov. 16; Serial No. 534,667, published Aug. 10, 1948.
Storage batteries. Perrine Quality Products Corporation. 422,141, July 9, 1946. Republished Nov. 16.
Storage batteries and parts thereof. Hartford Battery Manufacturing Company. 134,677, Sept. 14, 1920. Republished Nov. 16.
Storage batteries and their parts. Perrine Quality Products Corporation. 311,588, Mar. 27, 1934. Republished Nov. 16.
Stoves, Electric cooking. Gibson Refrigerator Company. 503,916, Nov. 16; Serial No. 535,144, published Aug. 17, 1948.
Switches, mechanical actuator mechanisms for electric switches, etc., Electric. First Industrial Corporation. 441,319, Nov. 16; Serial No. 506,659, published July 27, 1948.
Tape and splicing-compound, Friction. Parr Electric Co. Inc. 503,878, Nov. 16; Serial No. 528,129, published Aug. 17, 1948.
Transmitting and/or receiving devices, Electrical. Bendix Aviation Corporation. 388,445, June 24, 1941. Republished Nov. 16.
Tools, Electrically operated portable. Buckeye Tools Corporation. 503,864, Nov. 16; Serial No. 519,623, published July 27, 1948.
Warning device for motor vehicles in form of periodic light interruptor, Electrical. United Accessories Corp. 441,332. Nov. 16; Serial No. 515,808, published Aug. 17, 1948.

CLASS 22

Amusement apparatus, Coin-controlled. Exhibit Supply Company. 504,040, Nov. 16; Serial No. 532,697.
Coin slides for coin-operated amusement devices and machines. A. B. T. Manufacturing Corp. 422,051, July 2, 1946. Republished Nov. 16.
Fishing spoons and fishing spinners. Paul Bunyan Bait Company. 429,195, Apr. 22, 1947. Republished Nov. 16.
Ice skates. Nestor Johnson Manufacturing Company. 246,706, renewed Sept. 11, 1948. O. G. Nov. 16.
Roller skates, ice skates, baseballs, etc. Spiegel, Inc. 433,286, Oct. 7, 1947. Republished Nov. 16.
Toy construction outfits. Playskool Institute, Inc. 296,802. Aug. 23, 1932. Republished Nov. 16.
Toy wheels and wheel assemblies. J. L. Brown. 504,019, Nov. 16; Serial No. 503,420.
Toys. Playskool Institute, Inc. 296,101, July 19, 1932. Republished Nov. 16.

CLASS 23

Apparatus for the treatment of solids suspended in liquids. Dorr Company. 248,626, renewed Oct. 23, 1948. O. G. Nov. 16.
Bearings, Composition, machinery shaft couplings; slides, etc. American Brake Shoe Company. 404,753, Dec. 21, 1943. Republished Nov. 16.
Beaters for culinary purposes. White and Hallock, Inc. 246,922, renewed Sept. 18, 1948. O. G. Nov. 16.
Boring bars, reamer bars, counterbores, etc., Expansion-cutter. Detroit Boring Bar Company. 267,248, Feb. 18, 1930. Republished Nov. 16.

Bushings, copper hammer heads, copper soldering tools, etc., Bronze and brass. Chase Brass & Copper Co. Incorporated. 397,446, Sept. 8, 1942. Republished Nov. 16.
Drills and drill-collars, Rotary earth-boring. Hughes Tool Company. 126,549, Sept. 16, 1919. Republished Nov. 16.
Gear manufacturing equipment. National Broach & Machine Co. 356,075, Apr. 12, 1938. Republished Nov. 16.
Governors for air-compressors, fire-pumps, boiler feed-pumps, etc. Fisher Governor Company. 80,117, Nov. 8, 1910. Republished Nov. 16.
Harvester, Combined, thresher, and separator. Gleaner Combine Harvester Corporation. 250,631, renewed Dec. 11, 1948. O. G. Nov. 16.
Heads for mechanical and hydraulic jacks. Blackhawk Mfg. Co. 348,419, July 27, 1937. Republished Nov. 16.
Hoist, Automobile. Globe Machinery & Supply Company. 269,292, Apr. 1, 1930. Republished Nov. 16.
Hoists, Automobile. Globe Hoist Company. 385,917, Mar. 25, 1941. Republished Nov. 16.
Lathes, Metal working. R. K. LeBlond Machine Tool Co. 503,868, Nov. 16; Serial No. 526,504, published July 20, 1948.
Lifts, Hydraulic. Globe Hoist Company. 391,635, Nov. 18, 1941. Republished Nov. 16.
Lubricators, Rail. American Brake Shoe Company. 423,512, Sept. 3, 1946. Republished Nov. 16.
Oilers, Hand-operated, oil guns, grease guns, etc. Chase Brass & Copper Co. Incorporated. 357,833, June 14, 1938. Republished Nov. 16.
Packaging machinery. J. L. Ferguson Company. 233,245, Sept. 27, 1927. Republished Nov. 16.
Proportioning apparatus for feeding liquids. Proportioneers, Inc. 326,570, July 30, 1935. Republished Nov. 16.
Pumps, parts thereof, and bases therefor, Proportioning. Proportioneers, Inc. 416,408, Sept. 11, 1945. Republished Nov. 16.
Razor blades. Club Razor & Blade Mfg. Corp. 332,182, Feb. 4, 1936. Republished Nov. 16.
Razor blades. Club Razor & Blade Mfg. Corp. 416,767, Sept. 25, 1945. Republished Nov. 16.
Razor blades. Rubie Blade Corporation. 246,846, renewed Sept. 18, 1948. O. G. Nov. 16.
Snow plow. Roto Plow Company. 410,488, Nov. 28, 1944. Republished Nov. 16.
Spray attachments for suction cleaners and the like. P. A. Geier Company. 244,174, July 17, 1928. Republished Nov. 16.
Tools, Metal working small. Cleveland Twist Drill Company. 169,822, July 3, 1923. Republished Nov. 16.
Tools, Metal-working small. Cleveland Twist Drill Company. 208,281, Jan. 26, 1926. Republished Nov. 16.
Tools, Metal-working small. Cleveland Twist Drill Company. 225,836, Mar. 29, 1927. Republished Nov. 16.
Tools, Sets of. Blackhawk Mfg. Co. 281,766, Mar. 31, 1931. Republished Nov. 16.
Wrenches. Coes Wrench Company. 64,696, Aug. 20, 1907. Republished Nov. 16.

CLASS 25

Chests in the nature of strong-boxes and safes, etc. Diebold, Incorporated. 503,896, Nov. 16; Serial No. 531,318, published Aug. 3, 1948.
Locks, Daylight vault door personnel protective. Diebold, Incorporated. 503,897, Nov. 16; Serial No. 531,319, published July 27, 1948.

CLASS 26

Apparatus for electrically indicating the conductivity of aqueous solutions of acids, alkalies, and salts to measure the concentration thereof. Apparatus Development Company. 441,322, Nov. 16; Serial No. 509,555, published Aug. 24, 1948.
Balls used in measuring and testing instruments. S K F Industries, Inc. 503,884, Nov. 16; Serial No. 529,092, published Aug. 24, 1948.
Balls used in measuring and testing instruments. S K F Industries, Inc. 503,885, Nov. 16; Serial No. 529,096, published Aug. 24, 1948.
Cameras, Photographic. General Aniline & Film Corporation. 503,910, Nov. 16; Serial No. 534,106, published Aug. 24, 1948.
Cameras, Photographic, and flash units. Federal Manufacturing & Engineering Corp. 503,954, Nov. 16; Serial No. 538,263, published Aug. 24, 1948.
Cameras, Strip-film, stripping cabinets, etching machines, etc. Chemco Photoproducts Company. 353,142, Dec. 28, 1937. Republished Nov. 16.
Canes which may be transposed into a stand for holding cameras. L. L. Blanchard. 441,348, Nov. 16; Serial No. 520,927, published Aug. 24, 1948.
Compasses, banking indicators, turn indicators, etc. Pioneer Instrument Company. 160,269, Oct. 17, 1922. Republished Nov. 16.
Compasses, Gyroscopically stabilized earth inductor. Bendix Aviation Corporation. 398,779, Nov. 24, 1942. Republished Nov. 16.
Compasses, Remote indicating magnetic, etc. Bendix Aviation Corporation. 396,990, Aug. 11, 1942. Republished Nov. 16.
Electrical apparatus. Polytechnic Research and Development Company Incorporated. 503,953, Nov. 16; Serial No. 538,173, published Aug. 24, 1948.
Gauges for measuring and recording vacuum pressure. F. J. Stokes Machine Company. 503,960, Nov. 16; Serial No. 539,452, published Aug. 17, 1948.
Gauges, Oil. Pioneer Instrument Company, Incorporated. 288,183, Oct. 20, 1931. Republished Nov. 16.
Gauging mechanisms, Electric. Arlin Products, Incorporated. 441,313, Nov. 16; Serial No. 504,024, published Aug. 24, 1948.
Gear manufacturing equipment. National Broach & Machine Co. 356,075, Apr. 12, 1938. Republished Nov. 16.
Glassware, Laboratory, experimental, hospital, clinical, chemical, and scientific. Macalaster Bicknell Company. 402,424, July 20, 1943. Republished Nov. 16.
Indicators, Aircraft speed and distance, electric turn indicators, electric pitch indicators, etc. Pioneer Instrument Company. 213,616, June 1, 1926. Republished Nov. 16.
Instruments, Electro-mechanical. Texas Company. 441,341–2, Nov. 16; Serial Nos. 519,146–7, published Aug. 24, 1948.
Lamps, Incandescent, fluorescent, short wave, and ultra violet. Industrial Electronics Corporation. 400,946, Apr. 13, 1943. Republished Nov. 16.
Motion pictures. Fox Case Corporation. 251,623, renewed Jan. 8, 1949. O. G. Nov. 16.
Motion pictures and motion picture films. Motion Picture Export Association, Inc. 504,028, Nov. 16; Serial No. 518,418.
Nozzles, Fluid flow metering. Builders Iron Foundry. 360,099, Sept. 6, 1938. Republished Nov. 16.
Opthalmic diagnostic instruments. American Optical Company. 441,304, Nov. 16; Serial No. 491,945, published Aug. 24, 1948.
Optical instruments. Farrand Optical Co., Inc. 441,362, Nov. 16; Serial No. 487,121.
Pumps, Proportioning, parts thereof, and bases therefor. Proportioneers, Inc. 416,408, Sept. 11, 1945. Republished Nov. 16.
Rules and rulers. Northeastern Plastics, Inc. 503,964, Nov. 16; Serial No. 540,555, published Aug. 24, 1948.
Temperature-responsive control instruments, Outside. Sullivan Valve and Engineering Company. 441,296, Nov. 16; Serial No. 477,438, published Aug. 17, 1948.
Tripods for photographic cameras. Bell & Howell Company. 433,318, Oct. 7, 1947. Republished Nov. 16.

CLASS 27

Clocks and watches. Western Clock Mfg. Co. 72,178, re-renewed Jan. 5, 1949. O. G. Nov. 16.
Watch movements, watch cases, etc. Societe Anonyme Mido. 441,292, Nov. 16; Serial No. 457,552, published Aug. 10, 1948.
Watches. Hilton Watch Co., Inc. 504,025, Nov. 16; Serial No. 515,879.
Watches and clocks. R. Dodane. 441,338, Nov. 16; Serial No. 517,562, published July 27, 1948.
Watches and clocks of all kinds and parts thereof. Thommens Uhrenfabriken, A. G. 441,333, Nov. 16; Serial No. 516,155, published July 27, 1948.
Watches and clocks, watch dials, watch-cases, and parts of watches. Fabrique d'Horlogerie Lemania Lugrin S. A. Orient. 441,326, Nov. 16; Serial No. 512,903, published Aug. 10, 1948.
Watches and parts of watches. Schlup & Co., Ltd. 503,926, Nov. 16; Serial No. 536,644, published Aug. 10, 1948.
Watches and watch movements. Bulova Watch Company, Inc. 248,827, renewed Oct. 30, 1948. O. G. Nov. 16.
Watches and watch movements. Elgin National Watch Company. 441,352, Nov. 16; Serial No. 523,950, published Aug. 17, 1948.
Watches and watch movements. Lewis and Lewis. 503,965, Nov. 16; Serial No. 540,686, published Aug. 10, 1948.
Watches, parts of watches, and casings. Beguelin & Co. S. A., Manufacture des montres "Damas" et "Tramelan Watch Co." 503,982, Nov. 16; Serial No. 544,247, published Aug. 17, 1948.
Watches, pendulum clocks, alarm clocks, and their movements. Manufacture d'Horlogerie Précimax S. A. 503,918, Nov. 16; Serial No. 535,726, published Aug. 10, 1948.
Wrist or strap watches. American Standard Watch Case Company, Inc. 241,737, renewed May 8, 1948. O. G. Nov. 16.

CLASS 28

Fasteners, Slide. Talon, Inc. 503,849, Nov. 16; Serial No. 508,875, published Aug. 10, 1948.
Flatware and hollow ware, Sterling silver. Easterling Company. 503,892, Nov. 16; Serial No. 530,924, published Aug. 10, 1948.
Flatware, hollow ware, and tableware, Sterling silver and silver plated. National Silver Company. 503,906, Nov. 16; Serial No. 533,352, published Aug. 10, 1948.
Jewelry. R. M. Jordan and Company. 422,947, Aug. 20, 1946. Republished Nov. 16.
Jewelry. M. Rahthus. 503,924, Nov. 16; Serial No. 536,134, published Aug. 10, 1948.

Jewelry. J. F. Sturdy's Sons Company. 503,935, Nov. 16; Serial No. 537,095, published Aug. 10, 1948.
Jewelry, Manufactured. Juergens & Andersen Company. 240,017, Mar. 20, 1928. Republished Nov. 16.
Jewelry, Ornamental. American Pearl Company. 441,325, Nov. 16; Serial No. 512,478, published Aug. 10, 1948.
Necklaces, bracelets, finger rings, etc. Coro, Inc. 503,945, Nov. 16; Serial No. 537,992, published Aug. 10, 1948.

CLASS 29

Brooms, clothes, and hair brushes, Whisk. Chase Brass & Copper Co. Incorporated. 395,235, May 19, 1942. Republished Nov. 16.
Brushes, Flat sash. Whiting-Adams Company, Inc. 503,857, Nov. 16; Serial No. 513,354, published Aug. 3, 1948.
Brushes for cleaning false teeth. Wernet Dental Mfg. Co., Inc. 503,955, Nov. 16; Serial No. 539,109, published July 20, 1948.
Brushes for clothes, brushes, mops, and dusters, etc. Kellogg Brush Manufacturing Company. 503,893, Nov. 16; Serial No. 530,938, published July 20, 1948.
Brushes for use by painters, paper-hangers, artists, sign-writers, and sign painters, etc. Sherwin-Williams Company. 441,358, Nov. 16; Serial No. 524,737, published July 27, 1948.
Brushes, Hair. Pro-phy-lac-tic Brush Company. 503,917, Nov. 16; Serial No. 535,621, published Aug. 3, 1948.
Brushes, Hair, shaving brushes, hand brushes, etc. John Hudson Moore, Inc. 503,853, Nov. 16; Serial No. 512,076, published July 27, 1948.
Brushes, Paint. Rubberset Company. 441,318, Nov. 16; Serial No. 506,347, published Sept. 9, 1947.
Glove to be used as a paint applicator. Arco Company. 503,887, Nov. 16; Serial No. 529,432, published Aug. 17, 1948.
Mop, Sink. Kippy Kit Company. 503,956, Nov. 16; Serial No. 539,175, published Aug. 3, 1948.
Rags, Wiping. A. D. Radinsky. 124,146–7, Jan. 14, 1919. Republished Nov. 16.
Rouge and powder puffs, Self-dispensing. Dermetics, Inc. 441,357, Nov. 16; Serial No. 524,599, published Aug. 3, 1948.
Window wipers. G and H Manufacturing Co. 441,306, Nov. 16; Serial No. 497,930, published Aug. 17, 1948.

CLASS 31

Bearings, Composition, machinery shaft couplings; slides, etc. American Brake Shoe Company. 404,753, Dec. 21, 1943. Republished Nov. 16.
Refrigerating apparatus. Colvin-Templeton, Inc. 366,730, Apr. 25, 1939. Republished Nov. 16.

CLASS 32

Chair cushions. Columbus Coated Fabrics Corporation. 377,727, May 14, 1940. Republished Nov. 16.
Chair cushions, automobile seat cushions, cushions fillers, etc. Sponge Rubber Products Company. 322,436, Mar. 5, 1935. Republished Nov. 16.
Chair pads and play yard pads, High. M. Miller. 406,631, Apr. 11, 1944. Republished Nov. 16.
Mattresses, bed springs, and innerspring mattresses. International Bedding Company. 246,156, renewed Sept. 4, 1948. O. G. Nov. 16.
Reenforcing structure, Bottom. S. S. Bernstein. 321,428, Feb. 5, 1935. Republished Nov. 16.
Tables, Folding desk. John Schroeder Lumber Co. 241,344, Apr. 24, 1928. Republished Nov. 16.

CLASS 33

Jars and funnels, Glass nipple. Sanit-All Products Corporation. 441,339, Nov. 16; Serial No. 518,048, published Aug. 3, 1948.

CLASS 34

Air circulators. Cory Corporation. 503,902, Nov. 16; Serial No. 532,809, published June 29, 1948.
Burner, Liquid fuel. Hallman Foundry Co., Inc. 503,895, Nov. 16; Serial No. 531,208, published June 29, 1948.
Burners, and furnaces, Coal, coke, oil, and gas. Hess Warming & Ventilating Company. 385,001, Feb. 11, 1941. Republished Nov. 16.
Burners, Oil, and oil burning equipment. Kresky Mfg. Co., Inc. 503,863, Nov. 16; Serial No. 518,896, published Aug. 10, 1948.
Dampers, fireplace baskets, and grates, etc., Fireplace. Donley Brothers Company. 175,033, Oct. 30, 1923. Republished Nov. 16.
Fans, Axial flow. Joy Manufacturing Company. 441,337, Nov. 16; Serial No. 517,487, published Aug. 17, 1948.
Furnaces, boilers, fuelpreheaters. Crotty Manufacturing Corporation. 441,351, Nov. 16; Serial No. 523,947, published July 27, 1948.
Heaters and gas hot-water storage systems, Gas hot-water. Pittsburg Water Heater Company. 214,104, June 15, 1926. Republished Nov. 16.
Heaters, Automatically controlled wood burning. Automatic Draft & Stove Co., Inc. 503,888, Nov. 16; Serial No. 529,739, published Aug. 17, 1948.
Lamps, Oil. Strawbridge & Clothier. 503,957, Nov. 16; Serial No. 539,230, published June 29, 1948.
Lighters, candlesticks, condenser tubes, Pyrophoric cigar. Chase Brass & Copper Co. Incorporated. 397,406, Sept. 8, 1942. Republished Nov. 16.
Relish and jam sets. Chase Brass & Copper Co. Incorporated. 398,429, Oct. 27, 1942. Republished Nov. 16.
Stoves and ranges and gas stoves and ranges, Coal. Crown Stove Works. 503,927, Nov. 16; Serial No. 536,673, published Aug. 17, 1948.

CLASS 35

Bearings, Composition, machinery shaft couplings, slides, etc. American Brake Shoe Company. 404,753, Dec. 21, 1943. Republished Nov. 16.
Belting, Leather. J. E. Rhoads & Sons. 252,893, renewed Feb. 19, 1949. O. G. Nov. 16.
Gaskets, Metallic, and metallic packing. Metallo Gasket Co. 504,045, Nov. 16; Serial No. 540,692.
Patches, Tire repair. Tru-Flex Rubber Products Company. 356,532, May 3, 1938. Republished Nov. 16.
Tires and inner tubes therefor. Kelly-Springfield Tire Company. 504,038, Nov. 16; Serial No. 532,604.
Tires and inner tubes therefor. Kelly-Springfield Tire Company. 504,039, Nov. 16. Serial No. 532,613.

CLASS 36

Pianos, player-pianos, cabinet piano-players, etc. James Bellak's Sons. 70,459, re-renewed Sept. 1, 1948. O. G. Nov. 16.

CLASS 37

Bond-paper, Correspondents', non-carbonized typewriter paper, etc. Esleeck Manufacturing Co. 128,687, Jan. 13, 1920. Republished Nov. 16.
Book-paper. J. W. Butler Paper Company. 77,469, Apr. 12, 1910. Republished Nov. 16.
Erasers of rubber. Eberhard Faber. 137,217, Nov. 23, 1920. Republished Nov. 16.
Paper. Ditto, Incorporated. 261,099, Sept. 3, 1929. Republished Nov. 16.
Paper, Printing. S. D. Warren Company. 125,921, July 8, 1919. Republished Nov. 16.
Paper, Printing. S. D. Warren. 148,305, Nov. 8, 1921. Republished Nov. 16.
Paper, Toilet. Wheeler Paper Corporation. 282,941, May 5, 1931. Republished Nov. 16.
Paper, Toilet. Wheeler Paper Corporation. 290,314, Jan. 5, 1932. Republished Nov. 16.
Paper towels. Wheeler Paper Corporation. 291,914, Feb 23, 1932. Republished Nov. 16.
Paper, Writing. J. W. Butler Paper Co. 65,482, Oct. 8, 1907. Republished Nov. 16.
Paper, Writing. J. W. Butler Paper Co. 65,484, Oct. 8, 1907. Republished Nov. 16.
Paper, Writing. J. W. Butler Paper Co. 68,669, Apr. 21, 1908. Republished Nov. 16.
Paper, Writing. Esleeck Manufacturing Co. 73,561, Apr. 27, 1909. Republished Nov. 16.
Paper, Writing. Rockwell-Barnes Company. 283,447, May 26, 1931. Republished Nov. 16.
Pencil and ink tablets, notebooks, composition books, etc. Blackwell-Wielandy Company. 246,945, renewed Sept. 18, 1948. O. G. Nov. 16.
Pencil holders, lead pencils, screw pencils, etc. A. W. Faber. 86,523, May 14, 1912. Republished Nov. 16.
Pencils and rubber erasers, Lead. Eberhard Faber. 83,564, Sept. 26, 1911. Republished Nov. 16.
Pencils, Lead. Eberhard Faber. 102,396, Feb. 9, 1915. Republished Nov. 16.
Pencils, Lead. Eberhard Faber Pencil Company. 232,817, Sept. 20, 1927. Republished Nov. 16.
Pencils, Lead. Eberhard Faber Pencil Company. 296,015, July 19, 1932. Republished Nov. 16.
Pencils, Lead. Eberhard Faber Pencil Company. 353,788, Jan. 18, 1938. Republished Nov. 16.
Pencils, Ordinary lead, magazine and automatic lead pencils. Eberhard Faber. 139,136, Jan. 25, 1921. Republished Nov. 16.
Rubber bands and erasers. Eberhard Faber Pencil Company. 280,845, Mar. 3, 1931. Republished Nov. 16.
Wrappers, Laminated. Shellmar Products Company. 393,535, Feb. 17, 1942. Republished Nov. 16.
Wrappers, Transparent. Shellmar Products Company. 365,550, Mar. 14, 1939. Republished Nov. 16.

CLASS 38

Booklets. Federal Products Corporation. 441,311, Nov. 16; Serial No. 500,297, published Aug. 17, 1948.
Books, catalogs, and advertising displays, Illustrating. Farkas Bros. Inc. 342,090, Jan. 5, 1937. Republished Nov. 16.
Books in a continuing series. McLoughlin Bros., Inc. 159,425, Sept. 26, 1922. Republished Nov. 16.
Column in a magazine. Farm Journal, Inc. 503,922, Nov. 16; Serial No. 536,070, published Aug. 24, 1948.
Column, Magazine. New Yorker Magazine, Inc. 504,003, Nov. 16; Serial No. 547,269, published Aug. 17, 1948.
Drawings and paintings, Hand made and reproduced. Vincent Maurath. 504,009, Nov. 16; Serial No. 549,557, published Aug. 24, 1948.
Feature articles. Practical Methods for Industry, Inc. 503,909, Nov. 16; Serial No. 533,920, published Aug. 24, 1948.
Greeting cards. Gibson Art Company. 503,979, Nov. 16; Serial No. 544,074, published Aug. 10, 1948.

Greeting cards. J. Sapirstein. 385,778, Mar. 18, 1941. Republished Nov. 16.
Guide or directory, Buyer's. Earnshaw Publications, Inc. 359,288, Aug. 9, 1938. Republished Nov. 16.
House organ. Safeway Stores, Incorporated. 441,349, Nov. 16; Serial No. 521,362, published Aug. 10, 1948.
House organ publication. Bendix Aviation Corporation. 441,298, Nov. 16; Serial No. 481,771, published Aug. 10, 1948.
Magazine. Conde Nast Publications, Inc. 504,006, Nov. 16; Serial No. 548,484, published Aug. 17, 1948.
Magazine. Ideal Publishing Corp. 504,011, Nov. 16; Serial No. 550,046, published Aug. 17, 1948.
Magazine. Saturday Review Associates, Inc. 503,970, Nov. 16; Serial No. 541,730, published Aug. 24, 1948.
Magazine devoted to the business of electrical goods manufacturers. Gage Publishing Company. 503,968, Nov. 16; Serial No. 541,251, published Aug. 10, 1948.
Magazine feature. Macfadden Publications, Inc. 503,969, Nov. 16; Serial No. 541,313, published Aug. 17, 1948.
Magazine, Monthly. International Association, High Twelve Clubs. 441,361, Nov. 16; Serial No. 526,238, published Aug. 24, 1948.
Magazine published monthly. Earnshaw Publications, Inc. 382,748, Nov. 12, 1940. Republished Nov. 16.
Magazine published monthly. Earnshaw Sales Company. 189,930–1, Sept. 30, 1924. Republished Nov. 16.
Magazine published monthly. Earnshaw Sales Company. 214,158, June 15, 1926. Republished Nov. 16.
Magazine section or department. Fawcett Publications, Inc. 504,005, Nov. 16; Serial No. 548,354, published Aug. 17, 1948.
Magazines published in a series, Comic. Dearfield Publishing Company. 441,324, Nov. 16; Serial No. 512,055, published Aug. 24, 1948.
Maps and periodical publications. National Geographic Society. 503,898, Nov. 16; Serial No. 531,504, published Aug. 24, 1948.
Menu cards, Printed. R. N. Perley. 441,343, Nov. 16; Serial No. 519,218, published Aug. 24, 1948.
Newspaper, Daily. Gillespie Bros., Inc. 501,823, Aug. 24, 1948. Corrected. O. G. Nov. 16.
Newspaper, Daily. Hearst Consolidated Publications, Inc. 377,564, May 7, 1940. Republished Nov. 16.
Newspapers. Daily Review Corporation. 504,014, Nov. 16; Serial No. 550,490.
Pamphlets. J. A. Scheif. 441,359, Nov. 16; Serial No. 525,111, published Aug. 10, 1948.
Periodical. Educational Publishing Corporation. 504,008, Nov. 16; Serial No. 549,062, published Aug. 7, 1948.
Periodical. Royal Plastics Corporation. 503,859, Nov. 16; Serial No. 517,327, published Aug. 17, 1948.
Periodical, Monthly. International Harvester Company of America. 109,348, Apr. 4, 1916. Republished Nov. 16.
Periodical, Plumbing and heating. Domestic Engineering Company. 504,004, Nov. 16; Serial No. 547,435, published Aug. 17, 1948.
Periodical publication pertaining to the lumber industry. Georgia Hardwood Lumber Company. 441,350, Nov. 16; Serial No. 523,835, published Aug. 10, 1948.
Periodically and intermittently appearing printed programs, magazines, and labor union directories. Chicago Federation of Labor. 503,944, Nov. 16; Serial No. 502,488, published Aug. 24, 1948.
Periodically and intermittently appearing printed programs, magazines, and labor union directories. Chicago Federation of Labor. 503,845, Nov. 16; Serial No. 502,490, published Aug. 24, 1948.
Photographs. Photographers' Association of America. 504,018, Nov. 16; Serial No. 531,943, published Aug. 24, 1948.
Publication. Augsburg Publishing House. 349,372, Aug. 24, 1937. Republished Nov. 16.
Publication issued bi-weekly containing news of interest to war veterans. Gorrell Publications, Inc. 504,033, Nov. 16; Serial No. 519,749.
Publication, Monthly. Bryan Davis Publishing Company, Inc. 367,604, May 23, 1939. Republished Nov. 16.
Publication, Periodical. National Chiropractic Association, Inc. 441,316, Nov. 16; Serial No. 505,908, published Aug. 24, 1948.
Publications, Printed. L. M. Demarest. 504,017, Nov. 16; Serial No. 353,347, published Aug. 17, 1948.
Reproductions and physical impressions of designs produced by stencils, print, or free-hand on paper, etc. O. A. Turner. 441,307, Nov. 16; Serial No. 498,327, published Aug. 17, 1948.
Seals, Decorative gummed paper. A. B. Heyes. 441,314, Nov. 16; Serial No. 504,045, published Aug. 10, 1948.
Section in a periodical. Syndicate Store Merchandiser, Inc. 504,007, Nov. 16; Serial No. 549,029, published Aug. 24, 1948.
Tape and labels of gummed paper, Cellophane, etc., and the like. F. R. Lansberg. 441,300, Nov. 16; Serial No. 487,085, published Aug. 24, 1948.

CLASS 39

Bath robes, negligee, corsets, etc., Women's and misses'. Oppenheim, Collins & Co. Inc. 343,984, Mar. 9, 1937. Republished Nov. 16.
Boots and shoes, Leather. Saxone Shoe Co. Limited. 272,007, June 24, 1930. Republished Nov. 16.
Brassières, corsets, and underwear, Women's and misses'. Blackton-Fifth Avenue, Ltd. 375,456, Feb. 20, 1940. Republished Nov. 16.
Brassières, corsets, and underwear, Women's and misses'. Blackton-Fifth Avenue, Ltd. 384,943, Feb. 11, 1941. Republished Nov. 16.
Clothing and accessories. Simon Ackerman Clothes, Inc. 342,491, Jan. 19, 1937. Republished Nov. 16.
Clothing, Men's. Simon Ackerman. 179,009–10, Feb. 5, 1924. Republished Nov. 16.
Clothing, Men's and boys'. S. Ginsberg Sons. 247,463, Sept. 25, 1928. Republished Nov. 16.
Coats, vests and trousers, etc., Men's, boys', youths' and children's. L. Greif & Bro. 66,155, Nov. 12, 1907. Republished Nov. 16.
Coats, vests and trousers, Men's and boys'. L. Greif & Bro. 108,049, Jan. 11, 1916. Republished Nov. 16.
Coats, vests, trousers, etc., Men's and young men's. Simon Ackerman Clothes, Inc. 228,713, June 7, 1927. Republished Nov. 16.
Collars. Cluett, Peabody & Co., Inc. 252,908, renewed Feb. 19, 1948. O. G. Nov. 16.
Cotton, wool, rubber, and leather wearing apparel, Boys', girls', youths', and misses'. Berne Manufacturing Company. 355,379, Mar. 15, 1938. Republished Nov. 16.
Dresses, Women's, children's and infants'. Jack Borgenicht, Inc. 433,419, Oct. 14, 1947. Republished Nov. 16.
Gloves, coats, jackets, etc. Oppenheim, Collins & Co. Inc. 336,465, July 7, 1936. Republished Nov. 16.
Hats, Men's. Stylepark Hats, Inc. 322,400, Mar. 5, 1935. Republished Nov. 16.
Hosiery. Bear Brand Hosiery Co. 246,437, Sept. 4, 1928. Republished Nov. 16.
Hosiery. Bear Brand Hosiery Co. 248,742, Oct. 30, 1928. Republished Nov. 16.
Hosiery. Dry Goods Alliance, Inc. 215,086, July 13, 1926. Republished Nov. 16.
Hosiery. Elliott Knitting Mills, Inc. 237,827, Jan. 17, 1928. Republished Nov. 16.
Hosiery. M. Lowin. 215,086, July 13, 1926. Republished Nov. 16.
Hosiery. P. Lowin. 208,587, Feb. 2, 1926. Republished Nov. 16.
Hosiery. Syndicate Trading Co. 220,479, Nov. 9, 1926. Republished Nov. 16.
Hosiery, Women's, misses', and children's. Oppenheim, Collins & Co., Inc. 333,680, Mar. 31, 1936. Republished Nov. 16.
Jackets, suits, capes, etc., Ladies' and misses'. Printz-Biederman Company. 45,528, Aug. 22, 1905. Republished Nov. 16.
Mufflers, neckties, and evening dress protectors, etc., Men's. James R. Keiser, Incorporated. 70,536, renewed Sept. 8, 1948. O. G. Nov. 16.
Neckties, Bow. Hewes & Potter. 154,573, Apr. 18, 1922. Republished Nov. 16.
Overalls, work coats, work shirts, etc. Shawnee Garment Manufacturing Co. 382,487, Oct. 29, 1940. Republished Nov. 16.
Pants and knickers, Men's and boys' work and dress. D. Fox. 364,728, Feb. 14, 1939. Republished Nov. 16.
Scarfs, neckties, belts, etc. McCrossen Handwoven Textiles, Inc. 433,489, Oct. 14, 1947. Republished Nov. 16.
Shirts, Negligee. Kaufmann Department Stores, Inc. 250,317, renewed Dec. 4, 1948. O. G. Nov. 16.
Shirts, Work, work pants, overalls, etc. National Bellas Hess Co. Inc. 246,510, renewed Sept. 11, 1948. O. G. Nov. 16.
Shoes, Children's. Jackson Shoe Manufacturing Corporation. 253,864, renewed Mar. 5, 1949. O. G. Nov. 16.
Shoes made of leather, fabric, rubber and combinations of these materials. G. Glaser. 251,230, renewed Jan. 1, 1949. O. G. Nov. 16.
Shoes, Men's, boys', women's and misses'. Miles Shoes, Inc. 324,930, June 4, 1935. Republished Nov. 16.
Shoes, Women's and children's. Oppenheim, Collins & Co. Inc. 334,766, May 12, 1936. Republished Nov. 16.
Shorts, Men's. Cooper's, Incorporated. 392,116, Dec. 9, 1941. Republished Nov. 16.
Soles and heels, Rubber and composition. Essex Rubber Company. 127,388, Nov. 11, 1919. Republished Nov. 16.
Soles and heels, Rubber and composition. Essex Rubber Company. 148,830, Nov. 29, 1921. Republished Nov. 16.
Soles, Rubber. Essex Rubber Company. 157,052, July 25, 1922. Republished Nov. 16.
Suits and topcoats, Men's. Simon Ackerman Clothes, Inc. 196,674, Mar. 24, 1925. Republished Nov. 16.
Undergarments, Men's. Cooper's, Incorporated. 392,119, Dec. 9, 1941. Republished Nov. 16.
Underwear. Cooper's Incorporated. 399,527, Jan. 12, 1943. Republished Nov. 16.
Underwear. E. O. Farnsworth. 85,338, Feb. 13, 1912. Republished Nov. 16.
Underwear for women, Knitted and textile. Vanity Fair Silk Mills. 249,588, renewed Nov. 20, 1948. O. G. Nov. 16.
Underwear, Men's. Cooper's, Incorporated. 392,113, Dec. 9, 1941. Republished Nov. 16.
Underwear, Men's. Cooper's, Incorporated. 392,115, Dec. 9, 1941. Republished Nov. 16.

Underwear, Men's and boys'. Cooper's, Incorporated. 386,835, Apr. 22, 1941. Republished Nov. 16.
Underwear, Men's and boys'. Cooper's, Incorporated. 409,514, Oct. 10, 1944. Republished Nov. 16.
Vests, chemises, stepins, etc. H. Ragovin. 278,206, Dec. 9, 1930. Republished Nov. 16.

CLASS 40

Combs; and toilet sets. Chase Brass & Copper Co. Incorporated. 396,089, June 30, 1942. Republished Nov. 16.
Mufflers, neckties, and evening dress protectors, etc., Men's. James R. Keiser, Incorporated. 70,536, re-renewed Sept. 8, 1948. O. G. Nov. 16.
Shields, Dress. Rand Rubber Company. 378,013, May 21, 1940. Republished Nov. 16.

CLASS 41

Canes, parasols, and umbrellas. Arkwright, Incorporated. 422,587, July 30, 1946. Republished Nov. 16.

CLASS 42

Blankets, All-wool. Shuler & Benninghofen. 235,735, Nov. 22, 1927. Republished Nov. 16.
Cloth in the piece, Sudan cotton. W. W. Hobbs. 250,640, renewed Dec. 11, 1948. O. G. Nov. 16.
Curtains, draperies, tablecloths, etc. A. L. Siegel Co., Inc. 503,990, Nov. 16; Serial No. 545,397, published Aug. 10, 1948.
Curtains, Shower and window. Bartmann & Bixer, Inc. 503,946, Nov. 16; Serial No. 538,087, published Aug. 10, 1948.
Curtains, Window. Cortley Curtain Corp. 504,030–1, Nov. 16; Serial Nos. 518,755–6.
Curtains, Window. Stone-Cline Curtain Co., Inc. 503,851, Nov. 16; Serial No. 511,769, published Aug. 17, 1948.
Curtains, Window, and table coverings of coated textile fabric, etc. Interchemical Corporation. 503,920–1, Nov. 16; Serial Nos. 535,848–9, published Mar. 16, 1948.
Duck. William L. Barrell Co. 84,809, Jan. 9, 1912. Republished Nov. 16.
Fabric in the piece, Spun rayon. Brenner Fabrics, Inc. 503,975, Nov. 16; Serial No. 543,879, published Aug. 3, 1948.
Fabrics, Draperies; valances; and coated and uncoated upholstery and decorative. Edwin Raphael Company, Inc. 441,344, Nov. 16; Serial No. 519,294, published Aug. 17, 1948.
Fabrics in the piece made of rayon. Pondel Fabrics, Inc. 504,000, Nov. 16; Serial No. 546,729, published Aug. 24, 1948.
Fabrics in the piece of cotton, rayon, and wool, etc. Robert W. Hamilton, Inc. 503,886, Nov. 16; Serial No. 529,381, published Aug. 17, 1948.
Fabrics in the piece of wool fibres, Knitted. Beaunit Mills, Inc. 503,915, Nov. 16; Serial No. 534,869, published Aug. 3, 1948.
Fabrics in the piece, Woolen. Botany Mills, Inc. 503,994–5, Nov. 16; Serial Nos. 545,688–9, published Aug. 10, 1948.
Fabrics in the piece, Woolen. Botany Mills, Inc. 503,996, Nov. 16; Serial No. 545,693, published Aug. 10, 1948.
Fabrics in the piece, Woolen. Botany Mills, Inc. 503,997–9, Nov. 16; Serial Nos. 545,695–7, published Aug. 10, 1948.
Fabrics, Non-woven. Visking Corporation. 503,848, Nov. 16; Serial No. 506,147, published July 20, 1948.
Fabrics, Upholstery, drapery, and decorative. Louisville Textiles, Incorporated. 503,923, Nov. 16; Serial No. 536,109, published Aug. 17, 1948.
Fabrics, Waterproof textile oiled. A. J. Tower Company. 72,345, re-renewed Jan. 19, 1948. O. G. Nov. 16.
Linens, Decorative. Artmart Linen Co., Inc. 203,007, Sept. 8, 1925. Republished Nov. 16.
Piece goods, bedspreads, draperies, etc. Burlington Mills Corporation. 504,046, Nov. 16; Serial No. 541,074.
Piece goods, Cotton. Joseph Bancroft & Sons Company. 501,558, Aug. 17, 1948. Corrected. O. G. Nov. 16.
Piece goods, Cotton Canton Cotton Mills. 503,928, Nov. 16; Serial No. 536,762, published Aug. 3, 1948.
Piece goods, Cotton. Riverside & Dan River Cotton Mills, Inc. 441,299, Nov. 16; Serial No. 483,790, published Sept. 4, 1945.
Piece goods, Cotton. Sayles Finishing Plants, Inc. 503,940–3, Nov. 16; Serial Nos. 537,511–14, published Aug. 17, 1948.
Piece goods, Cotton. Sayles Finishing Plants, Inc. 503,944, Nov. 16; Serial No. 537,516, published Aug. 17, 1948.
Piece goods, Cotton. J. L. Stifel & Sons, Inc. 503,938, Nov. 16; Serial No. 537,483, published Aug. 3, 1948.
Piece goods, Cotton and woolen. Strong Hewat & Co., Inc. 503,987, Nov. 16; Serial No. 545,308, published Aug. 3, 1948.
Piece goods, etc., Woolen, worsted, linen, and rayon. Herbert R. Leeds & Co., Inc. 441,297, Nov. 16; Serial No. 479,580, published Feb. 18, 1947.
Piece goods of cotton. Dan River Mills, Incorporated. 503,976, Nov. 16; Serial No. 544,059, published Aug. 3, 1948.
Piece goods of cotton. Dan River Mills, Incorporated. 503,977, Nov. 16; Serial No. 544,060, published Aug. 10, 1948.
Piece goods of linen and cotton mixture. Cooper's, Incorporated. 367,449, May 16, 1939. Republished Nov. 16.
Piece goods, Rayon. S. B. Liberman. 503,984, Nov. 16; Serial No. 545,007, published Aug. 10, 1948.
Piece goods, Rayon, cotton, and combined rayon and cotton. Rockville Fabrics Corporation. 503,981, Nov. 16; Serial No. 544,199, published Aug. 3, 1948.
Piece goods, Silk. Stern & Stern Textile Importers, Inc. 359,614, Aug. 23, 1938. Republished Nov. 16.
Piece goods, Textile. Columbus Coated Fabrics Corporation. 415,854, Aug. 21, 1945. Republished Nov. 16.
Piece goods, Waterproof ducks, and cotton. Mt. Vernon-Woodberry Mills, Inc. 503,980, Nov. 16; Serial No. 544,179, published Aug. 10, 1948.
Piece goods, Woolen. Forstmann Woolen Co. 441,336, Nov. 16; Serial No. 517,246, published Oct. 14, 1947.
Piece goods, Woolen. Strong Hewat & Co., Inc. 503,985, Nov. 16; Serial No. 545,305, published Aug. 3, 1948.
Piece goods, Woolen. Strong Hewat & Co., Inc. 503,986, Nov. 16; Serial No. 545,307, published Aug. 3, 1948.
Piece goods, Woolen. Strong Hewat & Co., Inc. 503,988, Nov. 16; Serial No. 545,311, published Aug. 3, 1948.
Piece goods, Woolen and worsted. J. P. Stevens & Co., Inc. 441,360, Nov. 16; Serial No. 525,700, published Aug. 3, 1948.
Sheets and pillow cases. L. Bamberger & Co. 503,993, Nov. 16; Serial No. 545,685, published Aug. 10, 1948.
Sheets and pillow cases. Oneida Bleachery, Inc. 504,020, Nov. 16; Serial No. 505,312.
Sheets or films of vinyl resin plastic sold as piece goods, etc., Thin, transparent or translucent. Harte & Co., Inc. 441,303, Nov. 16; Serial No. 491,755, published Nov. 19, 1946.
Sheets, sheetings, and pillow cases. Dan River Mills, Incorporated. 503,978, Nov. 16; Serial No. 544,061, published Aug. 10, 1948.
Sheets, sheetings, and pillow cases. Dry Goods Alliance, Inc. 193,671, Jan. 6, 1925. Republished Nov. 16.
Silk, cotton, nylon, rayon, etc. A. E. Neumann. 503,901, Nov. 16; Serial No. 532,334, published Mar. 30, 1948.
Table cloths, textile table tops, napkins, sheets, and pillow cases, etc. Best Textile Corporation. 441,317, Nov. 16; Serial No. 506,088, published Nov. 18, 1947.
Textile fabrics in the piece. D. W. Farnsworth. 503,937, Nov. 16; Serial No. 537,441, published Aug. 17, 1948.
Textile fabrics in piece made of wool, cotton, silk, etc. Charles Bernstein & Son. 503,947, Nov. 16; Serial No. 538,090, published Aug. 17, 1948.
Textile fabrics in the piece of cotton, rayon, wool, worsted, and combinations thereof. Shirley Fabrics Corp. 503,989, Nov. 16; Serial No. 545,390, published Aug. 10, 1948.
Towels. Blossom Products Corporation. 503,948, Nov. 16; Serial No. 538,092, published Aug. 10, 1948.
Wool, worsted, cotton, etc. Woolen Corporation of America. 252,725, renewed Feb. 12, 1949. O. G. Nov. 16.

CLASS 43

Yarns. Hand knitting. W. D. Young. 503,900, Nov. 16; Serial No. 532,186, published June 22, 1948.

CLASS 44

Bandages, Finger. B. A. Paroubek. 250,422, renewed Dec. 11, 1948. O. G. Nov. 16.
Bottles, Hot water. Lobl Manufacturing Company. 504,035, Nov. 16; Serial No. 521,740.
Exercising machines. Sanitarium Equipment Company. 248,526, renewed Oct. 23, 1948. O. G. Nov. 16.
Exercising machines, Massaging or mechanical. Sanitarium Equipment Company. 248,415, renewed Oct. 23, 1948. O. G. Nov. 16.
Lamps, Therapeutic. Sanitarium Equipment Company. 246,722, renewed Sept. 11, 1948. O. G. Nov. 16.
Lamps, Therapeutic. Sanitarium Equipment Company. 247,181, renewed Sept. 25, 1948. O. G. Nov. 16.
Manicure implements. C. J. Bates & Son. 408,267, Aug. 1, 1944. Republished Nov. 16.
Nipples, Nursing. H. J. Searer. 504,043, Nov. 16; Serial No. 534,059.
Supporters, Athletic. Johnson & Johnson. 322,443, Mar. 5, 1935. Amended. O. G. Nov. 16.
Supports, Flexible non-metallic. A. E. Block. 127,901, Dec. 16, 1919. Republished Nov. 16.
Surgical and dental instruments. J. Sklar Manufacturing Co. 258,532, renewed Oct. 23, 1948. O. G. Nov. 16.
Toothpicks. Minto-Toothpick Company. 339,441, Oct. 6, 1936. Republished Nov. 16.

CLASS 45

Beverage, Non-alcoholic, non-cereal, maltless. C. E. Trees & Co., Inc. 319,134, Nov. 20, 1934. Republished Nov. 16.
Beverage, Non-alcoholic, non-cereal, maltless. C. E. Trees & Co., Inc. 342,789, Jan. 26, 1937. Republished Nov. 16.
Beverages, Nonalcoholic, maltless, and noncereal. Country Club Soda Company, Inc. 366,652, Apr. 25, 1939. Republished Nov. 16.
Beverages, Nonalcoholic, noncereal, maltless. H. C. Schranck Company. 158,530, Sept. 5, 1922. Republished Nov. 16.

Beverages, Nonalcoholic, noncereal, maltless. A. V. Stansfeld. 382,083, Oct. 15, 1940. New certificate. O. G. Nov. 16.
Cream soda, birch beer, ginger ale, etc. Country Club Soda Company, Inc. 168,458, May 22, 1923. Republished Nov. 16.
Drinking water. Hinckley and Schmitt. 503,879, Nov. 16; Serial No. 528,349, published June 1, 1948.

CLASS 46

Apples, Fresh. J. C. Palumbo. 176,522, Nov. 27, 1923. Republished Nov. 16.
Bread. Grocers Baking Company, Inc. 259,290–91, July 30, 1929. Republished Nov. 16.
Candies. C. S. Allen Corporatoin. 216,382, Aug. 10, 1926. Republished Nov. 16.
Candies. Sperry Candy Company. 185,248, June 10, 1924. Republished Nov. 16.
Candy. C. S. Allen Corporation. 323,250, Apr. 9, 1935. Republished Nov. 16.
Candy bars. Sperry Candy Company. 393,419, Feb. 10, 1942. Republished Nov. 16.
Candy, candied popcorn, buttered popcorn, etc. Patsy's Candies, Inc. 247,115, renewed Sept. 18, 1948. O. G. Nov. 16.
Canned dog food. R. E. Roberts. 359,475, Aug. 23, 1938. Republished Nov. 16.
Canned fish. Seacoast Canning Company. 225,351, Mar. 15, 1927. Republished Nov. 16.
Canned fish. C. E. van Landingham. 131,868, May 25, 1920. Republished Nov. 16.
Canned fish. Van Landingham Co. 212,264, Apr. 27, 1926. Republished Nov. 16.
Canned fruits. Mor-Pak Preserving Corporation. 301,062, Feb. 14, 1933. Republished Nov. 16.
Canned fruits. Mor-Pak Preserving Corporation. 343,718, Mar. 2, 1937. Republished Nov. 16.
Canned fruits. Mor-Pak Preserving Corporation. 352,750, Dec. 14, 1937. Republished Nov. 16.
Canned fruits. Mor-Pak Preserving Corporation. 396,016, June 23, 1942. Republished Nov. 16.
Canned fruits. Sutter Packing Co. 260,154, Aug. 20, 1929. Republished Nov. 16.
Canned fruits and vegetables. Fackler, Langford & Taylor. 407,807, June 27, 1944. Republished Nov. 16.
Canned fruits and vegetables. Griffith-Durney Company. 69,772, re-renewed July 7, 1948. O. G. Nov. 16.
Canned fruits and vegetables. Mor-Pak Preserving Corporation. 358,377, July 12, 1938. Republished Nov. 16.
Canned fruits, canned vegetables. Filice & Perrelli Canning Company, Inc. 247,766, renewed Oct. 2, 1948. O. G. Nov. 16.
Canned green sea turtle meat and soup. T. Norberg. 408,011, July 11, 1944. Republished Nov. 16.
Canned sardines. Seacoast Canning Co. 148,532, Nov. 15, 1921. Republished Nov. 16.
Canned tunny fish. Seacoast Canning Company. 173,386, Sept. 25, 1923. Republished Nov. 16.
Cereal product. Fisher Flouring Mills Company. 325,652, July 2, 1935. Republished Nov. 16.
Cheese. Royal Importing Co. 244,837, renewed July 31, 1948. O. G. Nov. 16.
Coffee. V. Cotera. 266,266, Jan. 14, 1930. Republished Nov. 16.
Coffee. B. A. Livierato. 233,397, Sept. 27, 1927. Republished Nov. 16.
Coffee. Western States Grocery Co. 243,680, renewed June 26, 1948. O. G. Nov. 16.
Corn-flour, Preparation of. National Starch Manufacturing Company. 19,678, June 9, 1891. Republished Nov. 16.
Corn starch. National Starch Co. 71,550, re-renewed Dec. 1, 1948. O. G. Nov. 16.
Crullers, doughnuts, pies, etc. Fischer Baking Company. 252,764, renewed Feb. 12, 1949. O. G. Nov. 16.
Dates, Fresh. R. C. Nicoll. 397,715, Sept. 15, 1942. Republished Nov. 16.
Feed, Gluten. Corn Products Refining Company. 71,634, re-renewed Dec. 8, 1948. O. G. Nov. 16.
Feed, Poultry. Park & Pollard Company. 208,928, Feb. 9, 1926. Republished Nov. 16.
Feed, Stock. Fisher Flouring Mills Company. 124,448, Feb. 18, 1919. Republished Nov. 16.
Feeds, Dairy. Interstate Milling Company. 441,327, Nov. 16; Serial No. 513,422, published July 27, 1948.
Flour, Hard-wheat. Stafford County Flour Mills Company. 280,274, Feb. 10, 1931. Republished Nov. 16.
Flour, Self-rising wheat. Blish Milling Company. 241,092, Apr. 17, 1928. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 88,404, Sept. 17, 1912. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 88,863, Oct. 29, 1912. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 89,350, Dec. 10, 1912. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 90,183, Feb. 11, 1913. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 127,610, Nov. 18, 1919. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 274,651, Sept. 2, 1930. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 281,413, Mar. 17, 1931. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 287,945, Oct. 20, 1931. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 289,704, Dec. 1, 1931. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 295,370, June 28, 1932. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 295,824, July 12, 1932. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 297,979, Oct. 4, 1932. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 306,418, Sept. 19, 1933. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 310,456–7, Feb. 27, 1934. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 315,642, Aug. 7, 1934. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 315,758, Aug. 7, 1934. Republished Nov. 16.
Flour, Wheat. Fisher Flouring Mills Company. 317,478, Sept. 25, 1934. Republished Nov. 16.
Flour, Wheat. Ottawa Milling Company. 129,199, Jan. 27, 1920. Republished Nov. 16.
Flour, Wheat. Stafford County Flour Mills Co. 282,019, Apr. 7, 1931. Republished Nov. 16.
Flour, Wheat. Texas Star Flour Mills. 503,855, Nov. 16; Serial No. 513,002, published Aug. 10, 1948.
Food products, Prepared. Mailliard & Schmiedell. 340,895, Nov. 24, 1936. Republished Nov. 16.
Food, Stock and poultry. Bay Chemical Company, Inc. 251,575, Jan. 8, 1929. Republished Nov. 16.
Food-flavoring extracts, worchestershire sauce, horseradish, etc. Helwig & Leitch. 267,115, Feb. 11, 1930. Republished Nov. 16.
Fruit juices, Citrus. Indian River Canners, Inc. 405,150, Jan. 11, 1944. Republished Nov. 16.
Fruits, Fresh citrus. Anaheim Cooperative Orange Association. 203,887, Sept. 29, 1925. Republished Nov. 16.
Fruits, Fresh citrus. Canoga Citrus Association. 251,864, Jan. 15, 1929. Republished Nov. 16.
Fruits, Fresh citrus. Canoga Citrus Association. 260,171, Aug. 20, 1929. Republished Nov. 16.
Fruits, Fresh citrus. Canoga Citrus Association. 299,755, Dec. 20, 1932. Republished Nov. 16.
Fruits, Fresh citrus. Canoga Citrus Association. 390,971, Oct. 14, 1941. Republished Nov. 16.
Fruits, Fresh citrus. Canoga Citrus Association. 393,100, Jan. 27, 1942. Republished Nov. 16.
Fruits, Fresh citrus. Canoga Citrus Association. 424,608, Oct. 15, 1946. Republished Nov. 16.
Fruits, Fresh citrus and deciduous. Rocky Hill Corporation. 248,534, renewed Oct. 23, 1948. O. G. Nov. 16.
Fruits, Fresh deciduous. Rocky Hill Corporation. 246,920, renewed Sept. 18, 1948. O. G. Nov. 16.
Fruits, Fresh deciduous. Santa Clara Pear Association. 278,091, Dec. 2, 1930. Republished Nov. 16.
Fruits, Fresh deciduous. Santa Clara Pear Association. 298,026, Oct. 11, 1932. Republished Nov. 16.
Gelatin. Swift and Company. 246,768, renewed Sept. 11, 1948. O. G. Nov. 16.
Grapes, Baskets and packages of. Keystone Grape Company. 70,958, re-renewed Oct. 20, 1948. O. G. Nov. 16.
Honey dew melons. E. W. Merritt. 334,278, Apr. 28, 1936. Republished Nov. 16.
Lard. Swift & Company. 246,300, renewed Sept. 4, 1948. O G. Nov. 16.
Mustard, Prepared. Meyer & Lange, Inc. 307,770, Oct. 31, 1933. Republished Nov. 16.
Olive oil. Mailliard & Schmiedell. 170,872, July 24, 1923. Republished Nov. 16.
Pears, Fresh. W. B. Weston. 187,187, July 29, 1924. Republished Nov. 16.
Poultry foods. T. W. Wood & Sons. 101,611, Dec. 29, 1914. Republished Nov. 16.
Raisins, Dried. American Seedless Raisin Company. 198,862, May 26, 1925. Republished Nov. 16.
Sardines. Seacoast Canning Co. 91,807, May 27, 1913. Republished Nov. 16.
Seasoning for foods. L. N. Renault & Sons, Inc. 305,372, Aug. 15, 1933. Republished Nov. 16.
Vegetables and grapes, Fresh. Schuman Co. 404,668, Dec. 14, 1943. Republished Nov. 16.
Vegetables and melons, Fresh. E & L Company. 410,274, Nov. 21, 1944. Republished Nov. 16.
Vegetables and melons, Fresh. Smith-Thornburg Company. 331,383, Jan. 7, 1936. Republished Nov. 16.
Vegetables, Fresh. California Farm Products Company. 407,259, May 23, 1944. Republished Nov. 16.
Vegetables, Fresh. E. W. Merritt. 381,008, Sept. 10, 1940. Republished Nov. 16.
Vinegar. Olympia Canning Company. 204,000, Oct. 6, 1925. Republished Nov. 16.
Wheat-flour. Dodge City Milling & Elevator Company. 71,289, re-renewed Nov. 17, 1948. O. G. Nov. 16.
Wheat-flour. Longmont Farmers Milling & Elevator Company. 70,733–4, re-renewed Sept. 29, 1948. O. G. Nov. 16.
Wheat-flour. Longmont Farmers Milling & Elevator Company. 70,797, re-renewed Oct. 6, 1948. O. G. Nov. 16.
Wheat product. Fisher Flouring Mills Company. 370,588, Aug. 29, 1939. Republished Nov. 16.

CLASS 47

Vermouth and dry vermouth, Sweet. L. N. Renault & Sons, Inc. 396,785, Aug. 4, 1942. Republished Nov. 16.

Wine. Padre Vineyard Company. 418,482, Dec. 25, 1945. Republished Nov. 16.
Wine, Port. Robertson Bros. & Co. Limited. 307,436, Oct. 24, 1933. Republished Nov. 16.
Wine, Sherry. Williams & Humbert. 306,522, Sept. 19, 1933. Republished Nov. 16.
Wine, Sherry. Williams & Humbert. 307,304, Oct. 24, 1933. Republished Nov. 16.
Wine, Sherry. Williams & Humbert. 308,051–2, Nov. 21, 1933. Republished Nov. 16.
Wines. Padre Vineyard Company. 324,682, May 28, 1935. Republished Nov. 16.
Wines. L. N. Renault & Sons, Inc. 305,203, Aug. 8, 1933. Republished Nov. 16.
Wines. L. N. Renault & Sons, Inc. 315,385–6, July 24, 1934. Republished Nov. 16.
Wines. L. N. Renault & Sons, Inc. 356,372–3, Apr. 26, 1938. Republished Nov. 16.
Wines. L. N. Renault & Sons, Inc. 367,358, May 16, 1939. Republished Nov. 16.
Wines. L. N. Renault & Sons, Inc. 367,360, May 16, 1939. Republished Nov. 16.
Wines. Robertson Bros. & Co. Limited. 306,235, Sept. 12, 1933. Republished Nov. 16.
Wines. Williams & Humbert. 383,948, Dec. 31, 1940. Republished Nov. 16.
Wines, etc., Port, sherry, white port. Liquor Distributors of America, Inc. 380,838, Sept. 3, 1940. Republished Nov. 16.
Wines, Sherry. Williams & Humbert. 306,231, Sept. 12, 1933. Republished Nov. 16.

CLASS 48

Beer. Gunther Brewing Co., Inc. 357,315, May 31, 1938. Republished Nov. 16.
Beer and ale. Atlantis Importers & Distributors, Inc. 378,804, June 18, 1940. Republished Nov. 16.
Sirup, Malt. Jackson Brewing Company. 225,381, Mar. 15, 1927. Republished Nov. 16.

CLASS 49

Brandies. Many, Blanc & Co., Inc. 390,932, Oct. 14, 1941. Republished Nov. 16.
Cordial. Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie. 62,200, re-renewed Apr. 23, 1947. O. G. Nov. 16.
Cordials. Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie. 62,371, re-renewed Apr. 30, 1947. O. G. Nov. 16.
Cordials, Alcoholic. Leroux and Company, Inc. 317,940, Oct. 9, 1934. Republished Nov. 16.
Liqueur, Apricot. American Spirits, Inc. 387,878, June 3, 1941. Republished Nov. 16.
Whiskey. American Spirits, Inc. 317,951, Oct. 9, 1934. Republished Nov. 16.
Whiskey. Continental Distilling Corporation. 315,907, Aug. 14, 1934. Republished Nov. 16.
Whiskey. Continental Distilling Corporation. 321,215, Jan. 22, 1935. Republished Nov. 16.
Whiskey. Glenmore Distilleries Co. 394,668, Apr. 21, 1942. Republished Nov. 16.
Whiskey. Jas. E. Pepper and Company. 370,331, Aug. 22, 1939. Republished Nov. 16.
Whiskey, brandy, gin, etc. Old Quaker Company. 318,155, Oct. 16, 1934. Republished Nov. 16.
Whiskey, gin, brandy, etc. Country Club Soda Company, Inc. 326,424, July 23, 1935. Republished Nov. 16.
Whisky. Peter Dawson, Limited. 198,969, June 2, 1925. Republished Nov. 16.
Whisky. John Dewar & Sons Limited. 398,964, Dec. 8, 1942. Republished Nov. 16.
Whisky, Scotch. John Dewar & Sons Limited. 299,532, Dec. 6, 1932. Republished Nov. 16.
Whisky, Scotch. John Dewar & Sons Limited. 301,614, Mar. 7, 1933. Republished Nov. 16.
Whisky, Scotch. William Sanderson & Son, Limited. 303,999, June 13, 1933. Republished Nov. 16.
Whisky, Scotch. Wm. Sanderson & Son. 360,729, Sept. 27, 1938. Republished Nov. 16.

CLASS 50

Canopy structure. Bennett Pumps Corporation. 252,077, renewed Jan. 22, 1949. O. G. Nov. 16.
Leather simulating cloth. Columbus-Union Oil Cloth Co. 203,613, Sept. 22, 1925. Republished Nov. 16.
Novelties. Holmes Brothers. 384,686, Jan. 28, 1941. Republished Nov. 16.

LIST OF DESIGN PATENTEES

Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Terminal link for a watch bracelet or similar article. 151,728, Nov. 16.

Baud, Georges, Paris France. Container for a perfume bottle or the like. 151,729, Nov. 16.

Baud, Georges, Paris, France. Container for perfume bottles or the like. 151,730, Nov. 16.

Beech-Nut Packing Company, assignee: *See*—
Morrison, Laurence B.

Blake, Octave, Plainfield, N. J. Brooch or similar article. 151,731, Nov. 16.

Bley & Spurgeon, assignee: *See*—
Bley, William G.

Bley, William G., Bustleton, assignor to W. G. Bley and R. C. Spurgeon, copartners trading as Bley & Spurgeon, Philadelphia, Pa. Lady's stocking. 151,732, Nov. 16.

Bley, William G., Bustleton, assignor to W. G. Bley and R. C. Spurgeon, copartners trading as Bley & Spurgeon, Philadelphia, Pa. Lady's stocking. 151,733, Nov. 16.

Boucher, Marcel, New York, N. Y. Clip or similar article. 151,734, Nov. 16.

Boucher, Marcel, New York, N. Y. Clip or similar article. 151,735, Nov. 16.

Bulova Watch Company, Inc., assignee: *See*—
Fachon, Emil E.

Chernow, Michael, New York, N. Y. Alphabet for forming monograms or the like. 151,736, Nov. 16.

Chernow, Michael, New York, N. Y. Alphabet for forming monograms or the like. 151,737, Nov. 16.

Chernow, Michael, New York, N. Y. Scarf holder or similar article. 151,738, Nov. 16.

Claflin, Roland S., Park Ridge, Ill. Child's spoon. 151,739, Nov. 16.

Colby, Hazel M., Chicago, Ill. Girdle. 151,740, Nov. 16.

Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other articles of flatware. 151,741, Nov. 16.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Cunningham, Allan C.: *See*—
Sparks, George A., and Cunningham.

D. F. H. Novelty Furniture Co., Inc., assignee: *See*—
Low, Stanley.

Daché, Lilly, New York, N. Y. Brassiè. 151,742, Nov. 16.

Dispensers, Inc., assignee: *See*—
Lloyd, Charles W.

Doggett, David L.: *See*—
Schier, Wallace, and Doggett.

Dow, Walter K., Longmeadow, Mass. Internal length comparator gauge. 151,743, Nov. 16.

Eggleston, Allen J., Hamden, Conn., assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 151,744, Nov. 16.

Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 151,745, Nov. 16.

Ekco Products Company, assignee: *See*—
Eggleston, Allen J.
Hvale, James L.

Ethington, Eberly R., Santa Monica, Calif. Walking stick. 151,746, Nov. 16.

Eto Ring Co.: *See*—
Shapiro, Joseph.

Fachon, Emil E., Edgewood, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y. Bracelet or similar article. 151,747, Nov. 16.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,748, Nov. 16.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,749, Nov. 16.

Federal Telephone and Radio Corporation, assignee: *See*—
Schier, Wallace, and Doggett.

Feigl, Charles, New York, N. Y. Handbag. 151,750, Nov. 16.

Feigl, Charles, New York, N. Y. Handbag. 151,751, Nov. 16.

Feigl, Charles, New York, N. Y. Handbag. 151,752, Nov. 16.

Frickel, John, Greenwich, Conn., assignor to Vulcanized Rubber and Plastics Company (Incorporated), New York, N. Y. Comb. 151,753, Nov. 16.

Friedman, Joseph L., New York, N. Y. Handbag. 151,754, Nov. 16.

Fulton Company, The, assignee: *See*—
Riemann, Howard C.

General Hardware Mfg. Co. Inc., assignee: *See*—
Smith, Roger P.

Gluck, Abraham, assignee: *See*—
Shapiro, Joseph, and Gluck.

Glunz, Eugene B., and M. D. Offen, Fresno, Calif. Christmas ornament. 151,755, Nov. 16.

Goldenstein, Sally, Brooklyn, N. Y. Decorative scarf or the like. 151,756, Nov. 16.

Harris, Walter B., Southold, N. Y. Combined ejector pump and strainer base plate. 151,757, Nov. 16.

Hart, Roy R., San Jose, Calif. Game piece set. 151,758, Nov. 16.

Hoppe, Arthur P., Salisbury, Md. Casing for service station dispensing apparatus. 151,759, Nov. 16.

Hunau, Lillian, Brooklyn, N. Y. Brassière. 151,760, Nov. 16.

Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 151,761, Nov. 16.

International Silver Company, The, assignee: *See*—
Conroy, Edward J.

Karagozian, Mike, Los Angeles, Calif. Toilet bowl brush receptacle. 151,762, Nov. 16.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,763, Nov. 16.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,764, Nov. 16.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,765, Nov. 16.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 151,766, Nov. 16.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,767, Nov. 16.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,768, Nov. 16.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,769, Nov. 16.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,770, Nov. 16.

Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Combined lighter and writing implement or similar article. 151,771, Nov. 16.

Kemp, Charles B., Detroit, Mich. Water sprinkler. 151,772, Nov. 16.

Koenig, Charles, Dayton, Ohio. Toothpick dispenser. 151,773, Nov. 16.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic camera. 151,774, Nov. 16.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,775, Nov. 16.

Levine, Samuel, New York, N. Y. Sweater. 151,776, Nov. 16.

Levine, Samuel, New York, N. Y. Sweater. 151,777, Nov. 16.

Levis, George A., Williamsport, Pa. Telephone stand. 151,778, Nov. 16.

Lloyd, Charles W., assignor to Dispensers, Inc., Brooklyn, N. Y. Beverage dispenser. 151,779, Nov. 16.

Low, Stanley, New York, N. Y., assignor to D. F. H. Novelty Furniture Co., Inc. Table. 151,780, Nov. 16.

Man-Sew Corporation, assignee: *See*—
Sigoda, Victor J.

Morrison, Laurence B., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Display stand or similar article. 151,781, Nov. 16.

Munn, Carolyn N., New York, N. Y. Handbag. 151,782, Nov. 16.

Offen, Matthew D.: *See*—
Glunz, Eugene B., and Offen.

Owens-Illinois Glass Company, assignee: *See*—
Sutter, John H.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,783, Nov. 16.

Polaroid Corporation, assignee: *See*—
Fairbank, Murry N.
Land, Edwin H.
Whittier, Sidney B.
Wolff, Otto E.

Riemann, Howard C., West Allis, assignor to The Fulton Company, Milwaukee, Wis. Traffic signal observation lens. 151,784, Nov. 16.

Ronson Art Metal Works, Inc., assignee: *See*—
Kaupmann, Frederick.

Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio cabinet. 151,785, Nov. 16.

Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio receiver cabinet. 151,786, Nov. 16.

Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Console cabinet for radio-phonograph combination. 151,787, Nov. 16.

Sebel, Harry, London, England. Chair. 151,788, Nov. 16.

Shapiro, Joseph, New York, N. Y., assignor to J. Shapiro and A. Gluck, doing business as Eto Ring Co. Toe ring. 151,789, Nov. 16.

Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Ruffler attachment housing or sewing machines. 151,790, Nov. 16.

Smith, Justin L., Watertown, assignor to Seymour Smith & Son, Inc., Oakville, Conn. Pruning shears. 151,791, Nov. 16.

Smith, Roger P., Madison, Conn., assignor to General Hardware Mfg. Co. Inc., New York, N. Y. Drill sharpener. 151,792, Nov. 16.

Smith, Seymour, & Son, Inc., assignee: *See*—
Smith, Justin L.

Sparks, George A., and A. C. Cunningham, Los Angeles, Calif. Vase. 151,793, Nov. 16.

Sparks, George A., and A. C. Cunningham, Los Angeles, Calif. Vase. 151,794, Nov. 16.

Speidel Corporation, assignee: *See*—
Augenstein, Karl C.

Spurgeon, Richard C.: *See*—
Bley, William G., and Spurgeon.

Stine, Lester G., Harrisburg, Pa. Speaker case. 151,795, Nov. 16.

Sullivan, George C., Hollywood, Calif. Automobile. 151,796, Nov. 16.

Sutter, John H., Norcross, Ga., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 151,797, Nov. 16.

Sutter, John H., Norcross, Ga., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 151,798, Nov. 16.

Sutter, John H., Norcross, Ga., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 151,799, Nov. 16.

Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.

Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric Corporation. Drinking fountain or similar article. 151,800, Nov. 16.

Von Erdberg, Amy, Boston, Mass. Toy animal figure. 151,801, Nov. 16.

Vulcanized Rubber and Plastics Company (Incorporated), assignee: *See*—
Frickel, John.

Westinghouse Electric Corporation, assignee: *See*—
Tull, Robert H.

Whittier, Sidney B., assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,802, Nov. 16.

Whittier, Sidney B., assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,803, Nov. 16.

Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,804, Nov. 16.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abraham, Artie: *See*—
Marx, Paul, and Abraham.

Ackeret, Jakob. Kusnacht near Zurich, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Thermal power plant and its working medium, with method of operation. 2,453,886, Nov. 16.

Adams, Charles J., Park Ridge, Ill. Contact for vacuum tube sockets. 2,453,826, Nov. 16.

Adams, Richard L.: *See*—
Prouty, Robert E., Bish, and Adams.

Adams, Rodney V.: *See*—
Petzinger, Ambrose J., and Adams.

Addressograph-Multigraph Corporation, assignee: *See*—
Chisholm, Clifton.
Morse, Lawrence H.

Adel Precision Products Corp., assignee: *See*—
Oliver, Wilbur C.

Admiral Corporation, assignee: *See*—
Dadson, Thomas E.

Agriculture, United States of America, as represented by the Secretary of: *See*—
Porges, Nandor, Pollard, and Spadaro.

Airdesign, Incorporated, assignee: *See*—
Pamphilon, Leon E.

Ake, William J., Cincinnati, Ohio. Violin bridge. 2,454,113, Nov. 16.

Aktiebolaget Ljungman Verkstäder, assignee: *See*—
Eklund, Hans E.

Aktiengesellschaft fuer Technische Studien, assignee: *See*—
Ackeret, Jakob.
Oechslin, Konrad.

Albero, Andrew, Delaware Gardens, N. J. Cooling and lubricating sewing machine needles. 2,453,827, Nov. 16.

Albree, George N., Winchester, Mass. Scarfing machine. 2,454,114, Nov. 16.

Alemaghides, Peter, Brooklyn, N. Y. Combination electric receptacle and fuse. 2,454,024, Nov. 16.

Allen, John E., Baltimore, Md. Magnetic clutch. 2,453,957, Nov. 16.

Allen, Robert C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine blading. 2,454,115, Nov. 16.

Allied Chemical & Dye Corporation, assignee: *See*—
Waldron, John W.

Allis-Chalmers Manufacturing Company: *See*—
Allen, Robert C.
Kamlookhine, Igor A.

Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Arvidsson, Algot.

Allyn, Welch, Inc., assignee: *See*—
Allyn, William N.

Allyn, William N., Skaneateles, assignor to Welch Allyn, Inc., Auburn, N. Y. Diagnostic instrument for examining the eye. 2,453,887, Nov. 16.

Allyn, William N., Skaneateles, assignor to Welch Allyn, Inc., Auburn, N. Y. Optical instrument for examining and measuring characteristics of the eye. 2,453,888, Nov. 16.

Amend, Adolph, Jr., Harrington Park, and G. C. Engel, Ridgewood, N. J., assignors to General Time Instruments Corporation, New York, N. Y. Job elapsed time recorder. 2,454,025, Nov. 16.

American Chemical Paint Company, assignee: *See*—
Snyder, Eugene.

American Laundry Machinery Company, The, assignee: *See*—
Shaw, Julian C.

American Viscose Corporation, assignee: *See*—
Birsch, Edwin T., and Silcox.
Furness, William H.
Woodruff, Jackson A.

American Vitos Company, Inc., assignee: *See*—
Vitoux, Marcel.

Ames, Robert S., M. P. Peterson, and J. C. Feldscher, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Apparatus for controlling centrifugal formation of sheet material. 2,454,116, Nov. 16.

Anderson, Bernard: *See*—
Anderson, Paul and B.

Anderson, Paul and B., Clifton, N. J. Ice glider. 2,454,248, Nov. 16.

Anderson, Paul T.: *See*—
Schindler, Hans, and Anderson.

Andresen, Gilbert J. C., Stow, Ohio. Signal amplitude limiting system. 2,453,958, Nov. 16.

Angell, Fred P., Battle Creek, Mich. Door check. 2,453,956, Nov. 16.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Modified cyanine dyes. 2,453,738, Nov. 16.

Ankenman, Earl B., Braintree, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus transfer system. 2,454,117, Nov. 16.

Anthony, David S., and W. B. Blocker, assignors to Anthony Tool Company, San Antonio, Tex. Toolholder assembly. 2,453,959, Nov. 16.

Anthony Tool Company, assignee: *See*—
Anthony, David S., and Blocker.

Armco Steel Corporation, assignee: *See*—
Weltzenkorn, Lee F., and Goller.

Armstrong, Charles W., Milford, C. Sadowsky, New York, and L. S. Hetherington, Rockville Centre, N. Y. Automatic diaphragm control. 2,453,693, Nov. 16.

Arntzen, Edward F., Rockford, Ill. Lamp support and switch. 2,453,694, Nov. 16.

Arvidsson, Algot, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Charging storage batteries. 2,453,960, Nov. 16.

Astatic Corporation, The, assignee: *See*—
Chorpening, Creed M.

Athey, Ralph S., Tarentum, assignor to Baby Haven Manufacturing Company, Brackenridge, Pa. Combination table and chair. 2,454,118, Nov. 16.

Atkinson, Earl B., Bay Village, Ohio. Switch box support. 2,454,119, Nov. 16.

Attorney General of the United States: *See*—
Rasmussen, Christian O.

Atwell, Clarence A., Pittsburgh, and E. O. Mueller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual generator ventilation. 2,454,120, Nov. 16.

Baby Haven Manufacturing Company, assignee: *See*—
Athey, Ralph S.

Backlund, Peter S.: *See*—
Polizzotto, Paul L., and Backlund.

Bacon, Emra D., Cleveland, Ohio. Synchronous electric motor. 2,454,026, Nov. 16.

Baeza, Daniel, Brooklyn, N. Y. Double-acting wrench for flanges. 2,454,027, Nov. 16.

Baker, Benjamin P., Turtle Creek, and D. C. Harker, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,454,121, Nov. 16.

Baker, John B., and H. D. Stover, assignors to The Timken Roller Bearing Company, Canton, Ohio. Self-contained roller-bearing cage. 2,454,028, Nov. 16.

Baldock, Harold: *See*—
Smith, Arthur E. W., Scaife, and Baldock.

Baldock, Herbert: *See*—
Smith, Arthur E. W., Scaife, and Baldock.

Ballard, Robert J.: *See*—
Boyer, John L., and Ballard.

Ballard, Seaver A.: *See*—
Finch, Harry D., Ballard, and Evans.

Baltimore Paper Box Co., The, assignee: *See*—
Bentham, Albert E.

Bankauf, William F., East Patterson, and H. B. Fisher, Belleville, N. J., assignors to Hewitt-Robins Incorporated. Dewatering apparatus. 2,453,961, Nov. 16.

Barber-Colman Company, assignee: *See*—
Ransome, Stafford M.

Barger, Fred H., Dayton, Ohio. Selective single control mechanism. 2,454,122, Nov. 16.

Barnett, Louis, Brooklyn, assignor to Raylite Electric Corp., Long Island City, N. Y. Heat and light concentrating holder for illuminated decorative lighting devices. 2,453,962, Nov. 16.

Barry, Louis J., and W. S. Hegamyer, Middletown, R. I. Torpedo. 2,453,828, Nov. 16.

Bartholomew, Charles J., Birmingham, assignor to Ford Motor Company, Dearborn, Mich. Enamel composition. 2,454,123, Nov. 16.

Basista, Theodore J., Westfield, Mass. Device for adjusting breaker units. 2,453,774, Nov. 16.

Bastian Blessing Co., The, assignee: *See*—
Buttner, William C., and Norway.

Bastis, Christ, assignee: *See*—
Sundel, Samuel.

Bates, C. J., & Son, assignee: *See*—
Bates, Wells C.

Bates, Wells C., assignor to C. J. Bates & Son, Chester, Conn. Producing plastic-coated knitting needles. 2,453,739, Nov. 16.

Beath, Laurence R., and H. S. Hill, Kenogami, assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada. Concentrating waste sulfite liquor with recovery of sulfur dioxide. 2,453,775, Nov. 16.

Beath, Laurence R.: *See*—
Hill, Harold S., and Beath.

Beath, Laurence R., and H. S. Hill, Kenogami, assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada. Electrical conductance heater. 2,453,776, Nov. 16.

Beaver, David J., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing synthetic rubber with dixanthic sulfides. 2,453,689, Nov. 16.

Becker, Sam B., assignor to Standard Oil Company, Chicago, Ill. Oxidation of organic compounds and manufacture of phthalic anhydride. 2,453,740, Nov. 16.

Beeck, Otto A.: *See*—
Smith, Albert E., and Beeck.

Bell Aircraft Corporation, assignee: *See*—
Schwartz, Arthur A.

Bell, Leroy V., Wakefield, R. I. Improved cigarette package opener and cigarette ejector. 2,453,777, Nov. 16.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Cesareo, Orfeo.
Ellwood, Walter B.
Hilsinger, Harry A., Jr.
Llewellyn, Frederick B.
Rea, Wilton T., and Wilkerson.
Robinson, Albert L.
Schelleng, John C.

Belling, Bernard A., Beaver Dam, Wis. Lighting set. 2,453,695, Nov. 16.

Benbow, Burtis W., Benbow, Calif. Electrical contacting equipment. 2,453,778, Nov. 16.

Bendix Aviation Corporation, assignee: *See*—
Flanagan, Robert.
Hegy, Louis.
Jandasek, Joseph.
Rodemann, Emmett P.

Bentham, Albert E., assignor to The Baltimore Paper Box Co., Baltimore, Md. Carton. 2,454,029, Nov. 16.

Bercaw, Henry B., Kenton, Ohio. Pulley block. 2,453,963, Nov. 16.

Berger, Earl O.: *See*—
Robinson, Lawrence R., and K. I., Berger and Lang.

Berglund, Nils, administrator: *See*—
Flater, Harold, Berglund, and Waernhoff, and Franson.

Bergstrom, Herman A.: *See*—
Von Glahn, William H., and Bergstrom.

Berk, Abraham A.: *See*—
Schroeder, Wilburn C., and Berk.

Berli, Norbert C., et al.: *See*—
Hufferd, George H., and Berli.

Berry, Mitchell M.: *See*—
Lidral, John P., and Berry.

Bertine, Gladys L., administratrix: *See*—
Schultz, Mortimer A., and Bertine.

Bertine, Robert E.: *See*—
Schultz, Mortimer A., and Bertine.

Besore, Jay M., Chevy Chase, assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md. Filter. 2,454,030, Nov. 16.

Best, David M.: *See*—
Claypool, Robbins M., and Best.

Betz, Albert, Hamilton, Ohio. Coupling for shafts. 2,453,964, Nov. 16.

Bevan, Leslie H.: *See*—
Fletcher, Roy A., and Bevan.

Bewley, Adele L., Buffalo, N. Y. Magnetic reflective toy. 2,453,965, Nov. 16.

Birsch, Edwin T., and W. D. Silcox, Lewistown, Pa., assignors to American Viscose Corporation, Wilmington, Del. Series filtration. 2,454,124, Nov. 16.

Bish, Ralph E.: *See*—
Prouty, Robert E., Bish, and Adams.

Bishop, J., & Co., Platinum Works, assignee: *See*—
Hickey, George M., and Matlack.

Blackman, Smith A., Kirkwood, assignor to Gaylord Container Corporation, St. Louis, Mo. Shipping carton. 2,453,829, Nov. 16.

Bley, Fred M., Glenview, Ill. Cutoff wheel. 2,454,125, Nov. 16.

Blocker, William B.: *See*—
Anthony, David S., and Blocker.

Bloomfield, Samuel, Wichita, Kans., assignor to C. Earl Hovey, Kansas City, Mo., trustee. Bottle closure. 2,454,126, Nov. 16.

Boardman, Hubert, Rochdale, England. Mask with adjustable supporting means for profile projectors. 2,454,127, Nov. 16.

Boeing Airplane Company, assignee: *See*—
Lidral, John P., and Berry.

Bojanower, Albert M., Downey, assignor to Western Waxed Paper Company, Oakland, Calif. Heat-sealing the seams of paper bags. 2,453,889, Nov. 16.

Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Preparation of alkyl halides. 2,453,779, Nov. 16.

Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. Electric discharge device of the magnetron type. 2,454,031, Nov. 16.

Bone, Arthur G.: *See*—
Reilly, Hugh L., Scrimshaw, and Bone.

Boothroyd, Wilson P., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical system. 2,454,128, Nov. 16.

Bopp, Cecil W., Waterloo, Iowa. Hydraulic hose coupling. 2,453,741, Nov. 16.

Bosland, Herman S.: *See*—
La Piana, Fred G., and Bosland.

Boulais, William A., Jr., Jersey City, N. J. Photographic border device. 2,454,032, Nov. 16.

Bourquin, Jean-Pierre: *See*—
Schnider, Otto, and Bourquin, and Grüssner.

Bowen, Henry B., and A. M. Vineberg, Montreal, Quebec, Canada. Terminal attachment for crutches and the like. 2,453,742, Nov. 16.

Boyer, John L., Wilkinsburg, and R. J. Ballard, West Newton, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,454,129, Nov. 16.

Brahm, Clarence A.: *See*—
Lorentz, Mynard R., and Brahm.

Braun, Armond W., Grafton, Iowa. Adjustable wheel structure. 2,454,130, Nov. 16.

Bray, Ulric B., Pasadena, Calif. Producing polyvalent-metal hydrocarbon sulfonate. 2,453,690, Nov. 16.

Brecht, Winston A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive drive. 2,454,131, Nov. 16.

Bremner, John G. M., and D. G. Jones, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Oxidation of cyclic ethers. 2,453,890, Nov. 16.

Briggs Filtration Company, The, assignee: *See*—
Besore, Jay M.

Briggs, Southwick W., Washington, D. C. Filter. 2,454,033, Nov. 16.

Broadbent, John H., Willistown Township, Chester County, assignor to The Union Switch and Signal Company, Swissvale, Pa. Traffic protection apparatus. 2,454,249, Nov. 16.

Brooks, Phillips, Brooklyn, N. Y. Dental root preparation instrument. 2,453,696, Nov. 16.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,453,780, Nov. 16.

Brown, Leo H., Glenville, Conn. Gun sight having a plurality of illuminated reticles. 2,453,697, Nov. 16.

Brown, Louis, and L. Lacey, Uvalde, Tex. Double-acting shock absorber. 2,453,966, Nov. 16.

Brown, Paul F., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Oscillating system. 2,454,132, Nov. 16.

Browne, Stewart R., Brooklyn, assignor to Stewart R. Browne Mfg. Co. Inc., New York, N. Y. Lamp support. 2,453,967, Nov. 16.

Browne, Stewart R., Mfg. Co. Inc., assignee: *See*—
Browne, Stewart R.

Bryant Heater Company, assignee: *See*—
Higley, Frank R.

Buchhorn, Robert H., Texas City, Tex. Attachment to geometrical instrument. 2,454,133, Nov. 16.

Buffalo Electro-Chemical Company, Inc., assignee: *See*—
Kuoch, Robert, and Shanley.

Bundy Tubing Company, assignee: *See*—
Payne, Arthur W.

Burk, Paul W.: *See*—
Chadwick, George A., and Burk.

Burleson, Ambrose L., Berkeley, Calif. Rotary drum filter. 2,454,134, Nov. 16.

Burns, Joseph R., Millbourne, Pa.: T. A. Foulke, executor of said Joseph R. Burns, deceased. Binding implement. 2,454,135, Nov. 16.

Burt, Clarence E., Pasadena, assignor to Grant Oil Tool Company, Los Angeles, Calif. Pressure release. 2,453,891, Nov. 16.

Bussert, Clarence, assignee: *See*—
Hamlet, Darrel P.

Buttner, William C., Winnetka, and H. L. Norway, Evanston, assignors to The Bastian Blessing Co., Chicago, Ill. Gas dispensing system. 2,453,968, Nov. 16.

Buxton, Incorporated, assignee: *See*—
Broughton, Douglas J.

Camp, Elza Q., et al.: *See*—
Viles, Prentiss S., and Camp.

Campbell, Robert A., Oak Park, Ill. Revolving polarized disk. 2,453,698, Nov. 16.

Carey, Philip, Manufacturing Company, The, assignee: *See*—
Marc, Henri M.

Carter, Edwin C., Rio Grande City, Tex. Artificial limb. 2,453,969, Nov. 16.

Carville, Theodore E. M., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-speed single-phase motor. 2,454,136, Nov. 16.

Case, J. I., Company, assignee: *See*—
Irvine, Houston N.

Casson, Nicholas V., Bronx, N. Y. Ecclesiastical equipment. 2,453,892, Nov. 16.

Castagnola, Angelo B., Oakland, Calif. Molder's flask. 2,453,893, Nov. 16.

Celanese Corporation of America, assignee: *See*—
Fallows, Leonard, and Mellers.

Cesareo, Orfeo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system and training device for target tracking. 2,453,743, Nov. 16.

Chadwick, George A., and P. W. Burk, Washington, D. C. Machine gun. 2,453,830, Nov. 16.

Challis, Kenneth J.: *See*—
Dimsdale, Wilfrid H., and Challis.

Chambliss, Hiriam D., Oak Ridge, Tenn. Lathe. 2,453,744, Nov. 16.

Champion Forge Company, assignee: *See*—
Terhune, Howard.

Charrier, George M., Collingswood, N. J., assignor to Radio Corporation of America. Recognition system for pulse echo radio locators. 2,453,970, Nov. 16.

Chase Brass & Copper Co. Incorporated, assignee: *See*—
Mellette, Cyril W.

Chemlinski, Raymond, Schenectady, N. Y. Combined pipe stand and container for smoking tobacco. 2,453,971, Nov. 16.

Chicago Development Company, assignee: *See*—
Dean, Reginald S.

Chisholm, Clifton, Forest Hills, N. Y., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Record controlled operating mechanism for embossing machine keyboards. 2,453,781, Nov. 16.

Chisholm, Clifton, Forest Hills, N. Y., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Strip perforating apparatus. 2,453,782, Nov. 16.

Chorpening, Creed M., assignor to The Astatic Corporation, Conneaut, Ohio. Mounting stylus cartridge. 2,453,894, Nov. 16.

Chrysler Corporation, assignee: *See*—
Cousino, Walter P.
Iavelli, Teno.
Pennington, Gordon R.
Phelan, Hubert S.
Williams, Burdell S.

Cities Service Oil Company, assignee: *See*—
Mastin, Robert G.

Clark, Dayton P., Jr., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Process for preparing sulfurized lubricating composition. 2,454,034, Nov. 16.

Clark, Earl W., Stuart, Fla. Knife and scissors sharpening device. 2,454,035, Nov. 16.

Clavé, Marcel: *See*—
Clavé, Serge and M.

Clavé, Serge and M., Paris, France. Machines for cutting and polishing nonspherical or conical surfaces by means of abrasive band tools. 2,453,972, Nov. 16.

Claypool, Don H., Mansfield, Ohio. Automatic shutoff for tractors. 2,453,783, Nov. 16.

Claypool, Robbins M., Bellaire, and D. M. Best, Houston, Tex. Tubing tool joint. 2,454,137, Nov. 16.

Clayton-Wright, Howard, Stratford-on-Avon, England, assignor to Simpson Catherwood Leonard, Detroit, Mich. Fluid seal for shafts. 2,454,036, Nov. 16.

Coates, Charles H., Baton Rouge, La. Cylinder plug for gas operated guns with grenade launchers. 2,453,699, Nov. 16.

Coats, William E., Los Angeles, Calif. Dustpan. 2,453,973, Nov. 16.

Colaluca, Phillip, Youngstown, Ohio. Ketchup dispenser. 2,453,974, Nov. 16.

Cole, Gilmoure N., Manchester, and C. R. Wells, Rocky Hill, assignors to United Aircraft Corporation, East Hartford, Conn. Engine cooling fan. 2,454,037, Nov. 16.

Colvin-Templeton, Inc., assignee: *See*—
Sears, Edward O.

Conjurske, Frank J., Sturgeon Bay, Wis. Sanitary cover and cushion for shampoo boards. 2,453,784, Nov. 16.

Conn, John B., and J. van de Kamp, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Electrolytic oxidation of quinoline to quinolinic acid. 2,453,701, Nov. 16.

Connecticut Tool & Engineering Company, assignee: *See*—
Tomek, Ernst J.

Control Instrument Company, Inc., assignee: *See*—
Herr, Donald L.

Coombs, Robert E., and R. C. Hale, United States Coast Guard. Life jacket. 2,453,700, Nov. 16.

Cork, Edward C.: *See*—
Holman, Herbert E., and Cork.

Corporon, Richard P.: *See*—
Lappin, Lester S., and Corporon.

Corwin, R. A., & Son, assignee: *See*—
Corwin, Richard F.

Corwin, Richard F., assignor to R. A. Corwin & Son, East Hampton, N. Y. Filter for sediment traps. 2,453,895, Nov. 16.

Coulter, Guy H., assignor to United Lens Corporation, Detroit, Mich. Direction signaling system for automatic vehicles. 2,453,702, Nov. 16.

Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Holding apparatus with piston through which pressure fluid is passed. 2,453,785, Nov. 16.

Cox, Ralph E., Schenectady, N. Y., assignor to General Electric Company. High-frequency induction heating apparatus. 2,454,039, Nov. 16.

Crest Silver Mfg. Co., Inc., assignee: *See*—
Shatkin, Sidney.

Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Control system for aircraft turbosuperchargers. 2,454,038, Nov. 16.

Croskey, Earl H., and V. M. Hackman, assignors of one-third to C. W. Mossman, Cedar Rapids, Iowa. Door check. 2,453,831, Nov. 16.

Crown Zellerbach Corporation, assignee: *See*—
Swift, Frank H.

Curtiss-Wright Corporation, assignee: *See*—
Molloy, Eddie, and Raiche.
Rowe, Donald C.

Dadson, Thomas E., Detroit, assignor of one-half to Kalamazoo Stove & Furnace Company, Kalamazoo, Mich., and one-half to Admiral Corporation, Chicago, Ill. Electric stove or range. 2,453,832, Nov. 16.

Dalton, William, Schenectady, N. Y., assignor to General Electric Company. Aircraft propeller. 2,454,040, Nov. 16.

Dance, Eldred L.: *See*—
Hill, Howard W., and Dance.

Davis, William S., Jr., Pittsburgh, Pa., and D. L. Wright, Westfield, N. J., assignors to Standard Oil Development Company. Corrosion preventive. 2,453,833, Nov. 16.

Day, Herbert O., Bowling Green, Ohio. Pivoting hydraulic power cylinders for dump trucks. 2,453,975, Nov. 16.

Dean, Reginald S., Salt Lake City, Utah, assignor to Chicago Development Company, Chicago, Ill. Treatment of titanium. 2,453,896, Nov. 16.

Dean, Walter N., et al.: *See*—
Isbister, Eric J., and Dean.

Debing, Lawrence M., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Molding composition of polyvinyl aromatic compound. 2,454,250, Nov. 16.

De Carlo, Ceasar P., Sr., Ceiba, P. R. Louver means for controlling air flow in refrigerators. 2,453,703, Nov. 16.

Deegan, Lola M., Melbourne, Victoria, Australia. Combination corset and stocking retainer. 2,453,834, Nov. 16.

Deizer, Reinhold, Portland, Oreg. Engine driven pump. 2,454,138, Nov. 16.

De Meo, Attilio, New York, N. Y. Reinforced plastic securing means in a frame for interchangeable hand mirrors. 2,454,041, Nov. 16.

De Muth, Linus J., Fresno, Calif. Road map holder, including a rotatable roller. 2,454,139, Nov. 16.

Derr, Willard A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote control for electric transmission systems. 2,454,140, Nov. 16.

De Saracho, Enrique S. H., Mexico City, Mexico. Wire core extracting machine. 2,454,010, Nov. 16.

Dettinger, David, Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Standing-wave measuring apparatus. 2,454,042, Nov. 16.

Diesel Filter Co., assignee: *See*—
Sager, Victor.

Dimsdale, Wilfrid H., and K. J. Challis, assignors to Ilford Limited, Ilford, England. Gelatino-silver halide photographic elements containing higher fatty alcohols. 2,454,043, Nov. 16.

Dixon, Paul H., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Feed mechanism for rapid-fire guns. 2,453,786, Nov. 16.

Dole Valve Company, The, assignee: *See*—
Drapeau, Harold B.

Dolorimeter, Inc., assignee: *See*—
Gluzek, Lorand J. B.

Donkin, William F., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery handle and hold-down bracket. 2,453,835, Nov. 16.

Douglas Aircraft Company, Inc., assignee: *See*—
Mayo, Alfred M.

Dow Chemical Company, The, assignee: *See*—
Hill, Howard W., and Dance.

Downs, George W., Jr., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Saw-tooth voltage generator. 2,453,787, Nov. 16.

Drapeau, Harold B., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Thermostatic liquid controlling device. 2,454,141, Nov. 16.

Dresser, Willis R.: *See*—
Waller, Fred, and Dresser.

Dunfee, Hod C., Miami, Fla. Golf game and instructional apparatus. 2,453,745, Nov. 16.

Dunlop, Andrew P., Riverside, Ill., and E. A. Reineck, Appleton, Wis., assignors to The Quaker Oats Company, Chicago, Ill. Furfuryl alcohol-phenolic resins. 2,453,704, Nov. 16.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
McGrew, Frank C.
Signaigo, Frank K.
Walling, Cheves T.

Durant, Lyndon A., and G. Horlick, Chicago, Ill., assignors to Royal Patent Corporation. Ball gate and elevating mechanism. 2,453,976, Nov. 16.

Duvall, George H., Jr., Los Angeles, Calif. Wheel and tire locking device. 2,453,746, Nov. 16.

Eakins, Merle M.: *See*—
Fisher, John M., and Eakins.

Eames, James O., Washington, assignor to R. S. Sanford, Woodbury, Conn. Cartridge feeding device. 2,453,977, Nov. 16.

Eggert, Herbert A., Oak Park, Ill. Draft regulator. 2,454,044, Nov. 16.

Egleson, James E. A., Essex Fells, N. J. Shotgun choke. 2,453,747, Nov. 16.

Eklund, Hans E., assignor to Aktiebolaget Ljungman Verkstäder, Malmo, Sweden. Safety for self-loading firearms. 2,453,897, Nov. 16.

Electric Service Manufacturing Company, assignee: *See*— McFarlin, John R.

Electric Storage Battery Company, The, assignee: *See*— Galloway, Charles D.

Electric & Musical Industries Limited, assignee: *See*— Holman, Herbert E., and Cork.

Elliott, Curtis M.: *See*— Jellinek, Curt.

Elliott, Paul C., assignor to L. K. Funkhouser, Dayton, Ohio. Machine for forming containers from flexible material. 2,453,836, Nov. 16.

Ellsworth, John T., Collinsville, Ill. Electrolytic recovery of zinc. 2,454,142, Nov. 16.

Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier. 2,454,045, Nov. 16.

Elmendorf, Duryea E., Cleveland, Ohio, assignor to General Electric Company. Electrode structure. 2,453,978, Nov. 16.

Elmore, Oran, assignee: *See*— Johnson, Marshal D.

Engel, George C.: *See*— Amend, Adolph, Jr., and Engel.

England, August J., Providence, R. I. Die set with feeding means. 2,454,143, Nov. 16.

Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Image projection system. 2,454,144, Nov. 16.

Erkkila, Andrew, assignor to Independent Lock Company, Fitchburg, Mass. Lock casing construction. 2,454,145. Nov. 16.

Escher Wyss Maschinenfabriken Aktiengesellschaft, assignee: *See*— Schmidt, David.

Essex Wire Corporation, assignee: *See*— Prouty, Robert E., Bish, and Adams.

Eureka Williams Corporation, assignee: *See*— Whipple, Leon V.

Evans, Theodore W.: *See*— Finch, Harry D., Ballard, and Evans.

Exbelent, Georges E., Paris, France. Weaving machine. 2,454,146, Nov. 16.

Fairchild Engine and Airplane Corporation, assignee: *See*— Whitfield, Marshall G., and Sheshunoff.

Fallows, Leonard, and E. V. Mellers, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Polymerization of olefinic compounds. 2,453,788, Nov. 16.

Federal Products Corporation, assignee: *See*— Graves, Walter. Worthen, John H.

Feldscher, John C.: *See*— Ames, Robert S., Peterson, and Feldscher.

Fielder, Frederick D., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,454,147, Nov. 16.

Fields, George C., Wilmette, Ill., assignor to Solar Corporation, Milwaukee, Wis. Motor scooter. 2,454,046, Nov. 16.

Finch, Harry D., El Cerrito, S. A. Ballard, Orinda, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Conversion of alicyclic aldehydes. 2,454,047, Nov. 16.

Fisher, Edward J., and W. B. Franklin, Baytown, Tex., and D. A. Smith, Washington, D. C., assignors to Standard Oil Development Company. Apparatus for alkylation. 2,453,837, Nov. 16.

Fisher, Harry B.: *See*— Bankauf, William F., and Fisher.

Fisher, John M., and Merle M. Eakins, Ford City, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Surfacing runner. 2,453,748, Nov. 16.

Flanagan, Robert, Glen Rock, assignor to Bendix Aviation Corporation, Teterboro, N. J. Rotary air compressor. 2,454,048, Nov. 16.

Flater, Harold, deceased, Norrkoping, Sweden; by N. Bergiund, administrator, Djursholm, and E. T. Waernhoff, and N. G. Franson, Norrkoping, Sweden; said H. Flater and said E. T. Waernhoff, and N. G. Franson, assignors to International Harvester Company. Twine making machine. 2,453,789, Nov. 16.

Fletcher, Roy A., and L. H. Bevan, London, England. Apparatus for indicating the available seating accommodation at places of entertainment. 2,453,838, Nov. 16.

Florence Stove Company, assignee: *See*— Schneider, Frank H.

Floyd, George H., Jr., Schenectady, N. Y., assignor to General Electric Company. Electric capacitor. 2,454,049, Nov. 16.

Foddy, Harold M., Colrain, Mass. Ash tray. 2,453,790, Nov. 16.

Forbes, Charles J., Terre Haute, Ind. Ring lock cutter chain structure. 2,453,898, Nov. 16.

Ford Motor Company, assignee: *See*— Bartholomew, Charles J. Wharam, John J., and Jovanovich.

Fought, William O., Jr., Parkersburg, W. Va. Garment stand. 2,454,148, Nov. 16.

Foulke, Thomas A., Executor: *See*— Burns, Joseph R.

Franklin, Leslie U., and C. F. Plumhoff, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Isomerization of normal butane. 2,454,149, Nov. 16.

Franklin, William B.: *See*— Fisher, Edward J., Franklin, and Smith.

Franson, Nils G.: *See*— Flater, Harold, Berglund, Waernhoff, and Franson.

Fredendall, Gordon L., Feasterville, Pa., assignor to Radio Corporation of America. Voltage adjusting system. 2,454,150, Nov. 16.

Frick Company, assignee: *See*— Good, Daniel F.

Friden Calculating Machine Co., Inc., assignee: *See*— Moody, John L.

Friedmann, Hugo, Astoria, N. Y. Divider and the like with measuring scales. 2,454,050, Nov. 16.

Frontz, Le Roy, Allenwood, Pa. Portable wire reel holder. 2,453,979, Nov. 16.

Fuller Manufacturing Company, assignee: *See*— Trall, Herbert H.

Funkhouser, Luther K., assignee: *See*— Elliott, Paul C.

Furness, William H., Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for spinning artificial filaments. 2,453,839, Nov. 16.

Gaines, Charles, Vallejo, Calif. Swiveling reciprocating-saw sawing machine. 2,453,899, Nov. 16.

Gallagher, John L., United States Army, Santa Ana, Calif. First-aid pressure dressing. 2,453,705, Nov. 16.

Galloway, Charles D., Wyndmoor, Pa., assignor to The Electric Storage Battery Company. Mold for the manufacture of storage batteries. 2,454,051, Nov. 16.

Galloway, Charles D., Wyndmoor, Pa., assignor to The Electric Storage Battery Company. Storage battery plate assembly. 2,454,052, Nov. 16.

Galloway, Charles D., Wyndmoor, Pa., assignor to The Electric Storage Battery Company. Process for the manufacture of storage batteries. 2,454,053, Nov. 16.

Garbo, Paul W., Freeport, N. Y. Catalytic production of amides. 2,453,706, Nov. 16.

Gardiner, William R., and J. T. Mays, Herrin, Ill. Film developing apparatus. 2,453,900, Nov. 16.

Gardner, Charles E., Hollis, Long Island, N. Y., assignor to Wingfoot Corporation, Akron, Ohio. Production of thread. 2,453,984, Nov. 16.

Gay, Walter A., Jr., assignee: *See*— Hare, Willis G. and Roebuck.

Gaylord Container Corporation, assignee: *See*— Blackman, Smith A.

Geertsema, Kenneth B., Valley Stream, N. Y., assignor to Heli-Coil Corporation. Insert coil setting tool. 2,453,840, Nov. 16.

General Aniline & Film Corporation, assignee: *See*— Anish, Alfred W. Mueller, Fritz W. H. Von Glahn, William H., and Bergstroj.

General Electric Company, assignee: *See*— Bondley, Ralph J. Cox, Ralph E. Crever, Frederick E. Dalton, William. Elmendorf, Duryea E. Floyd, George H., Jr. Greiner, Alfred and Seitz. Rietz, George A. Stacy, John D. Von Hoorn, Fred G. Woodson, Thomas T.

General Time Instruments Corporation, assignee: *See*— Amend, Adolph, Jr., and Engel.

Gerlach, Francis H., Wapakoneta, and J. D. Miner, Jr., Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor. 2,454,155, Nov. 16.

Gibb, Docia I., Denver, Colo. Egg poacher. 2,454,054, Nov. 16.

Gilchrist, Lawrence B., Hammondsville, Ohio, assignor to National Steel Corporation. Apparatus for handling material. 2,454,055, Nov. 16.

Gillette Safety Razor Company, assignee: *See*— Muros, Joseph.

Glass Fibers, Inc., assignee: *See*— Schiehr, Walter R.

Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,454,151, Nov. 16.

Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière and similar garment. 2,454,152, Nov. 16.

Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,454,153, Nov. 16.

Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Supporting straps for brassières. 2,454,154, Nov. 16.

Gluckin Corporation, The, assignee: *See*— Glick, Jack.

Gluzek, Lorand, J. B., Parma, assignor to Dolorimeter, Inc., Cleveland, Ohio. Medical diagnostic device. 2,453,841, Nov. 16.

Goldfien, Irving, Milwaukee, Wis. Sewer design slide rule. 2,454,157, Nov. 16.

Goller, George N.: *See*— Weitzenkorn, Lee F., and Goller.

Gonsett, Faust R.: *See*— Gonsett, Robert R. and F. R.

Gonsett, Robert R. and F. R., Los Angeles, Calif. Compound wrench and screw-driver. 2,453,901, Nov. 16.

Good, Daniel F., Waynesboro, assignor to Frick Company, Franklin County, Pa. Peanut picker. 2,454,156, Nov. 16.

Goodrich, B. F., Company, The, assignee: *See*— Sapp, John P.

Goodyear Aircraft Corporation, assignee: *See*— Ames, Robert S., Peterson, and Feldscher.

Gorman, Nelson G., New Orleans, La. Fluid heater. 2,453,985, Nov. 16.

Gossard, Charles M., assignor to Pangborn Corporation, Hagerstown, Md. Abrasive blast table. 2,454,158, Nov. 16.

Graham & Barker, assignee: *See*— Graham, George C.

Graham, George C., assignor, by mesne assignments, to Graham & Barker, Ridgewood, N. J. Automatic washing machine. 2,453,707, Nov. 16.

Graham, Thomas A., San Leandro, Calif. Advertising folder with picture frame and easel. 2,453,902, Nov. 16.

Grant Oil Tool Company, assignee: *See*— Burt, Clarence E.

Graves, Walter, Ann Arbor, Mich., assignor, by mesne assignments, to Federal Products Corporation, Providence, R. I. Guide sleeve construction for plug gauges. 2,454,159, Nov. 16.

Gray, Alfred R., Bronx, N. Y. Theft alarm system for automobiles. 2,453,903, Nov. 16.

Green, Marty, and I. Sheroff, Brooklyn, N. Y. Apparatus for shaping and forming leather. 2,453,987, Nov. 16.

Greene, Otto W., Brighton, assignor to The Pfaudler Co., Rochester, N. Y. Corrosion resisting valve. 2,454,160, Nov. 16.

Greger, Herbert H., Washington, D. C. Aluminum phosphate binder and preparing the same. 2,454,056, Nov. 16.

Greiner, Alfred, Cleveland Heights, and A. W. Seitz, Euclid, Ohio, assignors to General Electric Company. Circular electric lamp. 2,453,986, Nov. 16.

Grenot, Leo D., Oakland, assignor to Shell Development Company, San Francisco, Calif. Electrolytic preparation of corrosion testing elements. 2,453,904, Nov. 16.

Grib, Boris F., Brooklyn, assignor to Times Facsimile Corporation, New York, N. Y. Facsimile recorder control circuit. 2,453,905, Nov. 16.

Grossman Music Company, assignee: *See*— Thompson, Josephus.

Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Chair iron and seat cushion therefor. 2,454,057, Nov. 16.

Grüssner, André: *See*— Schnider, Otto, Bourquin, and Grüssner.

Guanella, Gustav, Zürich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Automatic frequency control. 2,453,988, Nov. 16.

Guckert, Leonard S., Baltimore, Md., assignor to Mavest, Inc., New York, N. Y. Coat. 2,453,989, Nov. 16.

Gulf Oil Corporation, assignee: *See*— Franklin, Leslie U., and Plumhoff. Hill, Mark L., and Smith.

Gulf Research & Development Company, assignee: *See*— Clark, Dayton P., Jr.

Hackman, Victor M.: *See*— Croskey, Earl H., and Hackman.

Hale, Roger C.: *See*— Coombs, Robert E., and Hale.

Hall, Sherman B., Brockway, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical relay system. 2,454,161, Nov. 16.

Hamilton, Munroe H.: *See*— Toland W. C., and Hamilton.

Hamilton, Wallace, Albany, N. Y. Cartridge feeding mechanism for automatic guns. 2,454,251, Nov. 16.

Hamlet, Darrel P., assignor to C. Bussert, Melrose Park, Ill. Device for preserving objects requiring liquid supply. 2,453,906, Nov. 16.

Hammer, John J., Detroit, Mich. Traffic or display sign. 2,454,162, Nov. 16.

Hammond, John H., Jr., Gloucester, Mass. Gas bomb. 2,453,842, Nov. 16.

Hanson, Kenneth L., Minneapolis, Minn. Article holder for attachment to automobile visors. 2,453,843, Nov. 16.

Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective relaying system. 2,454,163, Nov. 16.

Harder, Edwin L., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,454,164, Nov. 16.

Harder, Edwin L., Pittsburgh, and E. I. Pollard, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,454,165, Nov. 16.

Harding, William R., Export, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Plural electric motor control system. 2,454,166, Nov. 16.

Hare, Willis G., and C. B. Roebuck, Jr., assignors of one-third to W. A. Gay, Jr., Philadelphia, Pa. Game. 2,453,907, Nov. 16.

Harhay, John, assignor to Los Angeles Paper Box Factory, Los Angeles, Calif. Bottle carrier. 2,453,908, Nov. 16.

Harker, Donald C.: *See*— Baker, Benjamin P., and Harker.

Harris Manufacturing Company, assignee: *See*— Inskeep, Oliver W.

Harstick, William H., Richmond, Ind., assignor to International Harvester Company. Fluid clutch, governor controlled. 2,453,791, Nov. 16.

Hartford National Bank and Trust Company, trustee, assignee: *See*— Loosjes, Robert. Stigter, Willem H. Van den Berge, Hendrik J., and Hubee.

Hartman, Richard A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device for cables, wires, or the like. 2,453,980, Nov. 16.

Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Counting circuit. 2,454,167, Nov. 16.

Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timing circuit. 2,454,168, Nov. 16.

Harwood, Michael J., Cleveland, Ohio. Tax computing device. 2,453,909, Nov. 16.

Haynes, Harold E., Audubon, N. J., assignor to Radio Corporation of America. Gain control system responsive to an average value. 2,454,169, Nov. 16.

Hays, Russell R., Lawrence, Kans. Apparatus for converting intermittent power to continuous power. 2,454,058, Nov. 16.

Hazeltine Research, Inc., assignee: *See*— Dettinger, David.

Heal, Henry T., assignor to Rotax Limited, London, England. Ignition magneto. 2,453,910, Nov. 16.

Heaney, Samuel J., Portland, Oreg. Umbrella. 2,454,059, Nov. 16.

Hegamyer, William S.: *See*— Barry, Louis J., and Hegamyer.

Hegy, Louis, Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Relay. 2,454,060, Nov. 16.

Helm Company, The, assignee: *See*— Helm, Lewis R.

Helm, Lewis R., assignor to The Helm Company, Fairfield, Conn. Lubricator head construction. 2,454,252, Nov. 16.

Heli-Coil Corporation, assignee: *See*— Geertsema, Kenneth B.

Helpy Selfy Service System, Inc., assignee: *See*— McEwen, Norman S.

Henley's, W. T., Telegraph Works Company Limited, assignee: *See*— Savage, John H.

Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Combination isomerization and hydrogenation process. 2,454,171, Nov. 16.

Herr, Donald L., Milwaukee, Wis., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Selector mechanism. 2,453,911, Nov. 16.

Hetherington, Lionel S.: *See*— Armstrong, Charles W., Sadowsky, and Hetherington.

Hewitt-Robins Incorporated, assignee: *See*— Bankauf, William F., and Fisher.

Hickey, George M., Paoli, and W. W. Matlack, assignors to J. Bishop & Co. Platinum Works, Malvern, Pa. Making seamless platinum ruthenium alloy cannulae. 2,454,172, Nov. 16.

Hickman, Albert F., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y. Hydraulic clutch. 2,453,981, Nov. 16.

Hickman Pneumatic Seat Co. Inc., assignee: *See*— Hickman, Albert F.

Hicks, William M., Glen Head, N. Y. Tube socket. 2,454,173, Nov. 16.

Hiester, George A., Seattle, Wash. Stereotype cylinder printing plate. 2,454,170, Nov. 16.

Higley, Frank R., Cleveand Heights, Ohio, assignor to Bryant Heater Company. Volute type air-heating furnace and blower. 2,453,912, Nov. 16.

Higley, Frank R., Cleveland, Ohio, assignor to Bryant Heater Company. Radial flow forced-air heater. 2,453,913, Nov. 16.

Hill, Harold S.: *See*— Beath, Laurence R., and Hill.

Hill, Harold S., and L. R. Beath, Kenogami, assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada. Controlling the power input of electrical conductance heaters. 2,454,174, Nov. 16.

Hill, Howard W., Concord, and E. L. Dance, Berkeley, Calif., assignors to The Dow Chemical Company, Midland, Mich. Making ethyl chloride. 2,453,691, Nov. 16.

Hill, Mark L., Bethel Township, Delaware County, and H. G. Smith, Wallingford, assignors to Gulf Oil Corporation, Pittsburgh, Pa. 2-ethyl-hexyl, N-octadecyl tetrachlorophthalamidate and insecticidal compositions containing the same. 2,454,061, Nov. 16.

Hilsinger, Harry A., Jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coil-winding machine. 2,453,749, Nov. 16.

Hlavaty, Rudolph F., Cicero, Ill. Multilayered fibrous batting. 2,454,175, Nov. 16.

Hoe, R. & Co., Inc., assignee: *See*—
Huck, William F.

Hoewischer, Frederick W.: *See*—
Woodberry, John H., and Hoewischer.

Hoffmann-La Roche Inc., assignee: *See*—
Schnider, Otto, Bourquin, and Grüssner.
Steiger, Norbert.

Hofman Laboratories, Inc., assignee: *See*—
Sulfrian, Gerard F.

Hollenback, George M., Los Angeles, Calif. Device for mixing plaster compounds and fixtures. 2,453,914, Nov. 16.

Holman, Herbert E., West Drayton, and E. C. Cork, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. High-frequency conductor having a low impedance movable electrical contact device. 2,454,062, Nov. 16.

Horlick, Gordon: *See*—
Durant, Lyndon A., and Horlick.

Houser, Walter J., San Marcos, Calif. Pleating device. 2,454,176, Nov. 16.

Hovey, C. Earl, assignee, trustee, *See*—
Bloomfield, Samuel.

Howard, Herman R., Pomona, Calif. Model railway vehicle truck. 2,453,915, Nov. 16.

Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Necktie holder. 2,454,177, Nov. 16.

Howell, Gordon W., Seattle, Wash. Bottle carrier. 2,454,178, Nov. 16.

Hubee, Hendrik Pieter: *See*—
Van den Berge, Henrik J., and Hubee.

Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing press compensator. 2,453,982, Nov. 16.

Hudkins, Clyde, Moundsville, W. Va. Extensible anchor post. 2,454,179, Nov. 16.

Hufferd, George H., Shaker Heights, and N. C. Berli, Mayfield Heights, assignors to The Weatherhead Company, Cleveland, Ohio. Drain cock. 2,453,792, Nov. 16.

Hughes, Everett C., Cleveland Heights, and F. Veatch, assignors to The Standard Oil Company, Cleveland, Ohio. Grinding oil composition. 2,453,708, Nov. 16.

Hughes, Everett C., Cleveland Heights, and F. Veatch, assignors to The Standard Oil Company, Cleveland, Ohio. Grinding oil composition. 2,453,709, Nov. 16.

Hughes, Everett C., Cleveland Heights, and F. Veatch, assignors to The Standard Oil Company, Cleveland, Ohio. Grinding oil composition. 2,453,710, Nov. 16.

Hughes, Henry, and Son Limited, assignee: *See*—
Reilly, Hugh L., Scrimshaw, and Bone.

Hughes Tool Company, assignee: *See*—
Slate, Claude C.

Hungate, William, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Snap acting mechanism adapted for operating valves of steam engines. 2,453,844, Nov. 16.

Hveem, John J., Maywood, assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator car door. 2,453,793, Nov. 16.

Hydraulic Control Engineering Company, assignee: *See*—
Stephens, William T.

Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,453,794, Nov. 16.

Ilford Limited, assignee: *See*—
Dimsdale, Wilfrid H., and Challis.

Illinois Railway Equipment Company, assignee: *See*—
Johnson, Malcolm S.

Imperial Chemical Industries Limited, assignee: *See*—
Bramner, John G., M., and Jones.
Sexton, Wilfred A., and Slade and Templeman.
Smith, Arthur E. W., Scaife, and Baldock.
Wood, Clifford.

Independent Lock Company, assignee: *See*—
Erkkila, Andrew.

Inskeep, Oliver W., assignor to Harris Manufacturing Company, Stockton, Calif. Caster mount for single-wheel trailers. 2,453,916, Nov. 16.

Interior, United States of America, as represented by the Secretary of: *See*—
Schroeder, Wilburn C., and Hills.

International Harvester Company, assignee: *See*—
Flater, Harold B., Waernhoff, and Franson.
Harstick, William H.

International Nickel Company, Inc., assignee: *See*—
Renzoni, Louis S.

Irvine, Houston N., Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis. Reel and rake apparatus for combines. 2,454,063, Nov. 16.

Isbister, Eric J., Forest Hills, and W. N. Dean, Larchmont, N. Y., assignors to The Sperry Corporation. Cathode-ray tube control circuit. 2,453,711, Nov. 16.

Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor control apparatus. 2,453,917, Nov. 16.

Jackson, Harold F., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Flexible work tray for heat-treating furnaces. 2,453,845, Nov. 16.

Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid torque converter, including multiple energizing and energy absorbing elements. 2,453,795, Nov. 16.

Jansen, Joseph P., Milwaukee, Wis. Joint for composite structural element. 2,453,918, Nov. 16.

Jaynes, Edwin T., Garden City, N. Y., assignor to The Sperry Corporation. Automatic frequency control system. 2,454,265, Nov. 16.

Jellinek, Curt, County of Glamorgan, Wales, now by judicial change of name Curtis M. Elliott. Textile steaming or ageing machine. 2,453,796, Nov. 16.

Jerabek, Robert D.: *See*—
Runk, Robert H., and Jerabek.

Johns, Francis J., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frame structure of dynamoelectric machines. 2,454,180, Nov. 16.

Johnson, John P., and L. C. Teague, Dallas, Tex. Garment hanger support. 2,453,919, Nov. 16.

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Pipe anchor. 2,454,064, Nov. 16.

Johnson, Marshal D., assignor of 50 per cent to O. Elmore, Abilene, Tex. Crankshaft dressing tool. 2,453,797, Nov. 16.

Johnson, Walter F., Cincinnati, Ohio. Panel and trim mounting. 2,454,066, Nov. 16.

Johnson, Wesley A., Augusta, Ga. Simulated baseball playing machine. 2,454,065, Nov. 16.

Jones, David G.: *See*—
Bramner, John G. M., and Jones.

Jones, Walter L., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for fastener attaching means. 2,453,990, Nov. 16.

Jordan, Evart L., Rockford, Ill. Sandal type shoe with instep guard. 2,454,181, Nov. 16.

Jovanovich, Milton: *See*—
Wharam, John J., and Jovanovich.

Kaemmerling, Gustav H., assignor to Lord Manufacturing Company, Erie, Pa. Rubber mounting. 2,453,991, Nov. 16.

Kalamazoo Stove & Furnace Company, assignee: *See*—
Dadson, Thomas E.

Kamlookhine, Igor A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Endless track mechanism. 2,453,750, Nov. 16.

Kampa, George L., Minneapolis, Minn. Control device for rotary blade units. 2,454,182, Nov. 16.

Kehoe, Michael J., assignor of forty-nine per cent to F. J. Topp, Springfield, Ohio. Combined tobacco pouch and cigarette rolling device. 2,453,846, Nov. 16.

Kemline Metal Products Company, assignee: *See*—
Midouhas, Stephen P.

Kenyon, Alonzo F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,454,183, Nov. 16.

Kimball, Albert W.: *See*—
Rustebakke, Homer M., and Kimball.

Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Accelerating alumina hydrosol formation by aeration. 2,453,847, Nov. 16.

Kinnier, Donald, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Antenna reflector system. 2,453,751, Nov. 16.

Kittleson, Allen R.: *See*—
Mikeska, Louis A., Kittleson, and Smith.

Kleinhois, Milton P., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Purification of turpentine. 2,453,712, Nov. 16.

Kleintop, John H., Emmaus, Pa. Auxiliary frame and Sash. 2,453,992, Nov. 16.

Klicver, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Telemetric compass. 2,454,184, Nov. 16.

Kloos, Gerard, Mount Vernon, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. X-ray apparatus. 2,453,798, Nov. 16.

Kmiecik, Leo J., assignor, by mesne assignments, to McDonnell & Miller, Inc., Chicago, Ill. Snap switch. 2,454,185, Nov. 16.

Knivetон, James, Wyncote, assignor to Selas Corporation of America, Philadelphia, Pa. Method of and apparatus for heating stacked bodies. 2,454,253, Nov. 16.

Kohl, Everard F., Lakewood, Ohio. Circuit interrupting device. 2,454,067, Nov. 16.

Kohut, Joseph P., U. S. Navy. Novelty lighter. 2,453,713, Nov. 16.

Kreisler, Jacques, New Rochelle, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Connector for bracelets, wrist watch straps, etc. 2,453,993, Nov. 16.

Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Kreisler, Jacques.

Krochler Mfg. Co., assignee: *See*—
Stauffer, Edward J.

Kuhlman, William A., Los Angeles, Calif. Valve seat grinder. 2,454,068, Nov. 16.

Kuoch, Robert, Tonawanda, and E. S. Shanley, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Stabilized organic peroxides. 2,454,254, Nov. 16.

Kysela, Rudolph, Los Angeles, Calif. Flower and candy display package. 2,453,920, Nov. 16.

Lacey, Leo: *See*—
Brown, Louis, and Lacey.

La Fleur, Elphege D., Lancaster, assignor to Norton Company, Worcester, Mass. Crankpin grinding machine. 2,454,186, Nov. 16.

Lamar Slide Fastener Corporation, assignee: *See*—
Rabinowitz, Louis M.

Lang, Walter S.: *See*—
Robinson, Lawrence R., and K. I., Berger and Lang.

La Piana, Fred G., Forest Hills, N. Y., and H. S. Bosland, Patterson, N. J., assignors to Stein, Hall & Company, Inc., New York, N. Y Emulsion adapted for coating textiles. 2,453,752, Nov. 16.

Lapointe, Oneil, Van Buren, Maine. Vegetable harvester. 2,453,714, Nov. 16.

Lappin, Lester S., Camden, and R. P. Corporon, Haddonfield, N. J., assignors to Radio Corporation of America. High-frequency power output control. 2,453,994, Nov. 16.

Leape, Charles B., Pittsburgh, and F. A. Sattler, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Urea-formaldehyde-alkyd insulating composition. 2,454,187, Nov. 16.

Lee, Robert E., Bellflower, assignor to J. Thomas, Norwalk, Calif. Portable pneumatic drill supporting and handling rig. 2,453,995, Nov. 16.

Leder, Theodore G., Chicago, Ill. Electric socket construction. 2,454,069, Nov. 16.

Legge, William H., Winnipeg, Manitoba, Canada. Paddle means for spraying. 2,454,188, Nov. 16.

Lentjes, Gerhard, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid pressure operated circuit interrupter. 2,454,189, Nov. 16.

Leonard, Simpson C., assignee: *See*—
Clayton-Wright, Howard.

Le Page, Wynn L.: *See*—
Platt, Haviland H., and Le Page.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau Inc., Stockton, Calif. Two-wheel tractor. 2,454,070, Nov. 16.

Lickteig, Albert F.: *See*—
Quigley, Herbert, and Lickteig.

Lidral, John P., and M. M., Berry, Seattle, Wash., assignors to Boeing Airplane Company. Gun control mechanism. 2,454,071, Nov. 16.

Liljegren, Lyle K., Alexandria, Va., and J. W. Moseman, Jr., Bethesda, Md. Grenade mine. 2,453,715, Nov. 16.

Lilly, Eli, and Company, assignee: *See*—
Steldt, Frank A.

Linde Air Products, The, assignee: *See*—
Thayer, Russell M.

Lipe-Roolway Corporation, assignee: *See*—
Spase, Charles B.

Livingston, Charles L.: *See*—
Livingston, Francis G., and C. L.

Livingston, Francis G. and C. L., Algona, Iowa. Facing tool. 2,453,848, Nov. 16.

Llewellyn, Frederick B., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency tank circuits. 2,453,716, Nov. 16.

Long, Fred R., Catawissa, Pa. Combined pipe union and check valve. 2,454,072, Nov. 16.

Long, Harry R., San Pedro, Calif. Aligning bar. 2,453,717, Nov. 16.

Loosjes, Robert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacturing cathodes of electric discharge tubes. 2,453,753, Nov. 16.

Lord Manufacturing Company, assignee: *See*—
Kaemmerling, Gustav H.

Lorenz, Mynard R., and C. A. Brahm, Pittsburgh, Pa. Awning. 2,453,921, Nov. 16.

Los Angeles Paper Box Factory, assignee: *See*—
Harhay, John.

Lovering, Arthur F., Northampton, Mass. Air gun. 2,453,799, Nov. 16.

Lowell, George H., Jr., South Portland, Maine. Knife rack. 2,453,800, Nov. 16.

Ludwig, James H., Collingswood, N. J., assignor to Radio Corporation of America. Radio bomb release system. 2,453,996, Nov. 16.

Lurcott, Winfred N., Elizabeth, N. J., assignor to L. J. Wing Mfg. Co., New York, N. Y. Resistance welding apparatus and jig therefor. 2,454,190, Nov. 16.

Macdonald, Angus A., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,454,191, Nov. 16.

MacWilliam, Wallace, Lae Valhalla, assignor to Resistoflex Corporation, Belleville, N. J. Fitting for flexible hose. 2,453,997, Nov. 16.

Madore, Joseph A. E., Montreal, Quebec, Canada. Draft connector. 2,453,998, Nov. 16.

Magnetic Devices, Inc., assignee: *See*—
Price, Osborne I.

Mahnke, Kurt: *See*—
Schaelchlin, Walter, and Mahnke.

Mallory, Marion, Detroit, Mich. Air compressing system. 2,454,073, Nov. 16.

Manaster, Ben B., Chicago, Ill. Child's combination appetite-stimulating and amusement devices. 2,453,922, Nov. 16.

Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Critically damped capacitor. 2,454,192, Nov. 16.

Marc, Henri M., Roselawn, Ohio, assignor to The Philip Carey Manufacturing Company. Manufacture of duct turns or vanes. 2,454,074, Nov. 16.

Mares, Joseph R., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Polystyrene-chlorinated meta diphenyl benzene composition. 2,454,255, Nov. 16.

Martin, Samuel M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for molding articles. 2,454,193, Nov. 16.

Marx, Paul, and A. Abraham, New York, N. Y. Wear accessory. 2,454,076, Nov. 16.

Mason, John E., Denver, Colo., and C. White, deceased, Capay, Calif.; V. A. White, executrix; assignors to The Stearns-Roger Manufacturing Company, Denver, Colo. Heat exchange apparatus. 2,453,718, Nov. 16.

Mastin, Robert G., Okmulgee, assignor to Cities Service Oil Company, Bartlesville, Okla. Steam turbine lubricating oils. 2,454,075, Nov. 16.

Matlack, William W.: *See*—
Hickey, George M., and Matlack.

Mattern, Raymond P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Method and apparatus for coating by thermal evaporation. 2,453,801, Nov. 16.

Mavest, Inc., assignee: *See*—
Guckert, Leonard S.

Maxham, Daniel W., Hogansville, Ga. Spinning machine. 2,453,802, Nov. 16.

Maynard, Charles E., assignor to The Pro-Phy-Lac-Tic Brush Company, Florence, Mass. Making a holder of plastic material for pocket combs and the like. 2,454,194, Nov. 16.

Mayne, William O., assignee: *See*—
Washburn, Frank.

Mayo, Alfred M., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Aircraft cooling by air turbine means. 2,453,923, Nov. 16.

Mays, John T.: *See*—
Gardiner, William R., and Mays.

McCormick, James T., Topeka, Kans. Propeller blade. 2,453,803, Nov. 16.

McDearmon, George W., Baton Rouge, La. Mold for concrete weight for iron pipe lines. 2,453,804, Nov. 16.

McDonnell Aircraft Corporation, assignee: *See*—
Platt, Haviland H., and Le Page.

McDonnell & Miller, Inc., assignee: *See*—
Kmiecik, Leo J.

McEwen, Norman S., assignor to Helpy Selfy Service System, Inc., Fort Lauderdale, Fla. Valve. 2,454,077, Nov. 16.

McFadden, James B., assignor to United Dairy Equipment Company, West Chester, Pa. Cream separator and homogenizer. 2,453,924, Nov. 16.

McFarlin, John R., Philadelphia, Pa., assignor to Electric Service Manufacturing Company. Excessive potential discharge device. 2,453,719, Nov. 16.

McGrew, Frank C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Methylol melamine ethers and their manufacture. 2,454,078, Nov. 16.

Meister, Leo, Irvington, Va. Apparatus for detecting perforations in ammunition flash tubes. 2,453,720, Nov. 16.

Melhorn, Carl E., Springfield, assignor to Package Machinery Company, East Longmeadow, Mass. Gum breaking machine. 2,453,805, Nov. 16.

Mellers, Eric V.: *See*—
Fallows, Leonard, and Mellers.

Mellette, Cyril M., Middlebury, assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Holder for lipsticks and the like. 2,453,754, Nov. 16.

Melling, George, Jackson, Mich. Handle bar tractor wheel drive control. 2,453,999, Nov. 16.

Mendonca, Edward E., Hayward, Calif. Electric lighting set. 2,453,925, Nov. 16.

Mercier, Pierre E., Westport, Conn. Control flap with fluid jets for aircraft. 2,453,721, Nov. 16.

Merck & Co., Inc., assignee: *See*—
Conn, John B., and van de Kamp.

Merrell, Robert E., Spartanburg, S. C. Rail fastener. 2,454,079, Nov. 16.

Merriam, John L., Yucaipa, Calif. Pipe joint. 2,453,849, Nov. 16.

Midouhas, Stephen P., assignor to Kemline Metal Products Company, Bristol, Pa. Cash register. 2,454,000, Nov. 16.

Mikeska, Louis A., and A. R. Kittleson, Westfield, N. J., and W. M. Smith, Baton Rouge, La., assignors to Standard Oil Development Company. Lubricating compositions. 2,453,850, Nov. 16.

Miller, Julian P., assignor to Penn Electric Switch Co., Goshen, Ind. Thermostatic power element. 2,453,851, Nov. 16.

Milster, Arthur N., assignor to Wagner Electric Corporation, St. Louis, Mo. Mechanism for selective operation of a plurality of master cylinders. 2,453,852, Nov. 16.

Miner, John D., Jr.: *See*—
Gerlach, Francis H., and Miner.

Miner, W. H., Inc., assignee: *See*—
Hveem, John J.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Iaserstedt, Siegfried G.
Kliever, Waldo H.
Mattern, Raymond P.
Newton, Alwin B.
Sparrow, Hubert T.
Wilson, Theodore J.

Mollier, Etienne N., Paris, France. Moving picture flashing apparatus. 2,454,080, Nov. 16.

Molloy, Eddie, Buffalo, and L. G. Raiche, Kenmore, assignors, by mesne assignments, to Curtiss-Wright Corporation, New York, N. Y. Arresting gear. 2,454,081, Nov. 16.

Monsanto Chemical Company, assignee: *See*—
Beaver, David J.
Debing, Lawrence M.
Mares, Joseph R.
Walter, Henry A.

Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Revolution counter actuator. 2,453,926, Nov. 16.

Moore, Wilbert P., Worland, Wyo. Adjustable window shade bracket. 2,453,806, Nov. 16.

Moores, Aeolian E., Dallas, Tex. Circulating gas heater. 2,454,195, Nov. 16.

Morrell, Charles E., Westfield, and M. W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company. Separating hydrocarbons. 2,453,853, Nov. 16.

Morse, Lawrence H., Mentor, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Clamp for master sheets of printing machines. 2,453,927, Nov. 16.

Morton, Avery A., Watertown, Mass., assignor to Research Corporation, New York, N. Y. Alkenyl alkali metal compounds. 2,454,082, Nov. 16.

Moseman, John W., Jr.: *See*—
Liegren, Lyle K., and Moseman, Jr.

Moss, Jacob E., Detroit, Mich., assignor to The National Acme Company, Cleveland, Ohio. Toolholder. 2,453,722, Nov. 16.

Mossman, Clayton W., assignee: *See*—
Croskey, Earl H., and Hackman.

Mueller, Erich O.: *See*—
Atwell, Clarence A., and Mueller.

Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Control of contrast with aromatic diamine color developers. 2,454,001, Nov. 16.

Mulnix, Ersel C., Lake Bluff, Ill. Millinery box. 2,454,196, Nov. 16.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade handling device. 2,454,197, Nov. 16.

Murray, Joseph A., Bethesda, Md., assignor to National Blank Book Company, Holyoke, Mass. Three-prong loose-leaf binder. 2,453,807, Nov. 16.

Myers, Louis, Rockford, Ill. Juice extractor. 2,454,256, Nov. 16.

Myklestad, Nils O., Pasadena, Calif. Hydraulic brake. 2,453,808, Nov. 16.

National Acme Company, The, assignee: *See*—
Moss, Jacob E.

National Blank Book Company, assignee: *See*—
Murray, Joseph A.

National Brass Company, assignee: *See*—
Quigley, Herbert, and Lickteig.

National Steel Corporation, assignee: *See*—
Gilchrist, Lawrence B.
Wilson, Abram B.

National Supply Company, The, assignee: *See*—
Shepherd, Harold F.

Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Downs, George W., Jr.

Nemeth, Joseph J., New York, N. Y. Soap holder. 2,454,083, Nov. 16.

Newcomer, Keepers M., Pittsburgh, Pa. Liquid mixing valve. 2,453,809, Nov. 16.

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration system. 2,454,263, Nov. 16.

Norton Company, assignee: *See*—
La Fleur, Elphege D.

Norway, Harold L.: *See*—
Buttner, William C., and Norway.

Oechslin, Konrad, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Thermal power plant. 2,453,928, Nov. 16.

O'Harah, Alvin F., Erie, Pa. Hydraulic pump. 2,453,929, Nov. 16.

Ohio Crankshaft Company, The, assignee: *See*—
Somes, Howard E.

Ohio Steel Foundry Company, The, assignee: *See*—
Jackson, Harold F.

Olcott, Charles A., West Milford, N. J. Speed responsive brake for deceleration of centrifugal machines. 2,453,854, Nov. 16.

Oliver, Wilbur C., assignor to Adel Precision Products Corp., Burbank, Calif. Hydraulic lock. 2,453,855, Nov. 16.

Opitz, Fred W., Chicago, Ill. Liquid dispensing device. 2,453,856, Nov. 16.

Orlove, Max, assignor to Smith Industries, Chicago, Ill. Photoelectric tube. 2,453,810, Nov. 16.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Slayter, Games.

Package Machinery Company, assignee: *See*—
Melhorn, Carl E.

Page, Edward L., Flint, Mich. Friction disk brake for automobiles and the like. 2,454,084, Nov. 16.

Palmer, John R.: *See*—
Palmer, Robert A. and J. R., and Smit.

Palmer, Robert A. and J. R., and G. R. Smit, assignors to Western Corrugator Co., Parma, Idaho. Ditcher. 2,453,723, Nov. 16.

Paluck, Nick A., Belfield, N. Dak. Wheel scraper. 2,454,002, Nov. 16.

Pamphilon, Leon E., Yeadon, assignor to Airdesign, Incorporated, Upper Darby, Pa. Tape slitting machine. 2,454,003, Nov. 16.

Pangborn Corporation, assignee: *See*—
Gossard, Charles M.
Vedder, Walter O.

Pappas, Phillip M., Houston, Tex. Automatic control for washing machines. 2,454,198, Nov. 16.

Parke, Davis & Company, assignee: *See*—
Rieveschl, George, Jr.

Parker, Paul T.: *See*—
Vanderbilt, Byron M.; and Parker.

Parker Pen Company, The, assignee: *See*—
Randolph, Robert W.

Patrick, Joshua, Detroit, Mich. Juicer with hand reciprocated rotary reamer. 2,454,085, Nov. 16.

Paul, Richard, and G. F. Sulfrian, Newark, N. J. Shipping container. 2,453,930, Nov. 16.

Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Coiling machine. 2,453,724, Nov. 16.

Pedrick Tool & Machine Company, assignee: *See*—
Shaw, Ralph M., Jr.

Penn Electric Switch Co., assignee: *See*—
Miller, Julian P.
Rothwell, John J.

Pennington, Gordon R., Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Combination fluid coupling and friction clutch. 2,453,811, Nov. 16.

Perkins, Kenneth, Scotch Plains, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Molded impeller. 2,454,200, Nov. 16.

Perman, Horace C., Waterloo, Iowa. Load moving machine. 2,453,755, Nov. 16.

Perrin, William H., Grand Rapids, Mich. Child's toilet seat. 2,454,199, Nov. 16.

Peterson, Maurits P.: *See*—
Ames, Robert S., Peterson, and Feldscher.

Pettyjohn, Norman D., Binghamton, N. Y. Nail polish mask. 2,454,004, Nov. 16.

Petzinger, Ambrose J., Passaic, and R. V. Adams, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical measuring instrument. 2,454,201, Nov. 16.

Pfaudler Co., The, assignee: *See*—
Greene, Otto W.

Phelan, Hubert S., Berkley, assignor to Chrysler Corporation, Highland Park, Mich. Actuating valve with opposed unequal areas. 2,453,812, Nov. 16.

Philco Corporation, assignee: *See*—
Boothroyd, Wilson P.
Kinnier, Donald.

Philips Laboratories, Inc., assignee: *See*—
Kloos, Gerard.

Phillips, Clovis H., Florence, Ala. Electric vehicle direction indicator. 2,453,931, Nov. 16.

Phillips Petroleum Company, assignee: *See*—
Hepp, Harold J.

Pierik, John, Indianapolis, Ind. Folding picnic table. 2,454,202, Nov. 16.

Pinsuti, Giuseppe F., New York, N. Y. Safety razor. 2,453,756, Nov. 16.

Pitman, Richard W., Laverock-Hillcrest, Pa., assignor to Underwood Corporation. Business machine. 2,453,932, Nov. 16.

Pittsburgh Pipe Cleaner Company, assignee: *See*—
Robinson, Lawrence R. and K. I., Berger, and Lang.

Pittsburgh Plate Glass Company, assignee: *See*—
Fisher, John M., and Eakins.

Platt, Haviland H., New York, N. Y., and W. L. Le Page, Ardmore, Pa., assignors, by mesne assignments, to McDonnell Aircraft Corporation, St. Louis, Mo. Aircraft mooring device. 2,453,867, Nov. 16.

Pletch, Earnest P., Frankfort, Ind. Traction increasing device for dual wheel vehicles. 2,454,005, Nov. 16.

Plumhoff, Charles F.: *See*—
Franklin, Leslie U., and Plumhoff.

Plummer, Carl E., Tulsa, Okla. Internal-combustion rotary motor. 2,454,006, Nov. 16.

Polizzotto, Paul L., and P. S. Backlund, assignors to Union Oil Company of California, Los Angeles, Calif. Refining of wax. 2,453,933, Nov. 16.

Pollard, Elisha F.: *See*—
Porges, Nandor, Pollard, and Spadaro.

Pollard, Ernst I.: *See*—
Harder, Edwin L., and Pollard.

Porges, Nandor, Metairie, New Orleans, and E. F. Pollard and J. J. Spadaro, New Orleans, La., assignors to United States of America as represented by the Secretary of Agriculture. Obtaining rubber from goldenrod leaves. 2,453,858, Nov. 16.

Powell, Paul R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Spinning apparatus. 2,454,203, Nov. 16.

Precision Metal Workers, assignee: *See*—
Grunwald, Albert C.

Preston, John L., Wichita Falls, Tex. Surgical appliance for treating jaw and other facial bone fractures. 2,453,934, Nov. 16.

Price Brothers & Company, Limited, assignee: *See*—
Hill, Harold S., and Beath.

Price, Osborne I., assignor to Magnetic Devices, Inc., Frederick, Md. Coil-supporting structure. 2,453,725, Nov. 16.

Prince, Warren V., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Coupling. 2,453,813, Nov. 16.

Pro-phy-lac-tic Brush Company, The, assignee: *See*—
Maynard, Charles E.

Prouty, Robert E., R. E. Bish, Flora, and R. L. Adams, assignors, by mesne assignments, to Essex Wire Corporation, Logansport, Ind. Induction motor starting relay. 2,453,726, Nov. 16.

Pugh, Merlin L., Minneapolis, Minn. Clothes drier. 2,453,859, Nov. 16.

Pulp Reproduction Company, assignee: *See*—
Risch, Arthur H.

Pure Oil Company, The, assignee: *See*—
Bond, Donald C., and Savoy.
Schindler, Hans, and Anderson.

Quaker Oats Company, The, assignee: *See*—
Dunlop, Andrew P., and Reineck.

Quigley, Herbert, and A. F. Lickteig, assignors to National Brass Company, Grand Rapids, Mich. Cupboard catch. 2,453,935, Nov. 16.

Rabinowitz, Louis M., Brooklyn, assignor to Lamar Slide Fastener Corporation, New York, N. Y. Slider bending machine. 2,453,860, Nov. 16.

Radio Corporation of America, assignee: *See*—
Charrier, George M.
Epstein, David W.
Fredendall, Gordon L.
Haynes, Harold E.
Lappin, Lester S., and Corporon.
Ludwig, James H.
Sanders, Royden C., Jr.
Spencer, James A.
Wald, Sidney.
Young, Charles J.

Radio Patents Corporation, assignee: *See*—
Guanella, Gustav.

Raiche, Louis G.: *See*—
Molloy, Eddie, and Raiche.

Raillson, Frederick W., Preston, Idaho. Toolholder for artificial arms. 2,453,936, Nov. 16.

Randolph, Robert W., Milton, assignor to The Parker Pen Company, Janesville, Wis. Ball-point writing instrument. 2,454,086, Nov. 16.

Ransome, Stafford M., assignor to Barber-Colman Company, Rockford, Ill. Internal thread milling mechanism. 2,454,087, Nov. 16.

Rapp, Mason G., Wilmette, Ill. Registration desk with mail indicating system. 2,454,088, Nov. 16.

Rasmussen, Christian O., Copenhagen, Denmark; vested in the Attorney General of the United States. Air-propelled extracting machine for laundry. 2,453,727, Nov. 16.

Rauen, John T., Gross Pointe, Mich. Carburetor. 2,453,728, Nov. 16.

Ray, James G., assignor to Southwest Airways Company, West Los Angeles, Calif. Aircraft door. 2,453,937, Nov. 16.

Raylite Electric Corp., assignee: *See*—
Barnett, Louis.

Raymond, Richard C., State College, Pa., assignor to the United States of America as represented by the Secretary of War. Cathode-ray tube. 2,454,204, Nov. 16.

Rea, Wilton T., Manhasset, and J. R. Wilkerson, Bayside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative repeater. 2,454,089, Nov. 16.

Reading, Walter J., Buffalo, N. Y. Egg washer. 2,454,090, Nov. 16.

Reichold, Ludwig, Winsted, assignor to The Silex Company, Hartford, Conn. Filtering device. 2,454,205, Nov. 16.

Reilly, Hugh L., F. H. Scrimshaw, and A. G. Bone, Farnborough, assignors to Henry Hughes and Son Limited, Barkingside, England. Navigational instrument. 2,454,007, Nov. 16.

Reilly, Jack E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor reversing control. 2,454,206, Nov. 16.

Reilly, Jack E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor reversing control. 2,454,207, Nov. 16.

Reineck, Edward A.: *See*—
Dunlop, Andrew P., and Reineck.

Renzoni, Louis S., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Producing modified electronickel. 2,453,757, Nov. 16.

Research Corporation, assignee: *See*—
Morton, Avery A.
Snell, Esmond E.

Resistoflex Corporation, assignee: *See*—
MacWilliam, Wallace.

Richman, Ruth E., Cedarhurst, N. Y. Garment. 2,454,208, Nov. 16.

Rietz, George A., Schenectady, N. Y., assignor to General Electric Company. Heater for livestock watering tanks. 2,454,091, Nov. 16.

Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Benzhydryl amino ethers. 2,453,729, Nov. 16.

Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Benzhydryl amino ethers. 2,454,092, Nov. 16.

Risch, Arthur H., Wauwatosa, assignor to Pulp Reproduction Company, Milwaukee, Wis. Manufacturing aquatic decoys. 2,453,758, Nov. 16.

Roberts, Francis T., Detroit, Mich. Pediatric syringe. 2,453,814, Nov. 16.

Robins, Henry S., assignee: *See*—
Smith, George N.

Robinson, Albert L., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tapered union for concentric conductor lines. 2,453,759, Nov. 16.

Robinson, Kyle I.: *See*—
Robinson, Lawrence R. and K. L., Berger, and Lang.

Robinson, Lawrence R., Mount Lebanon, K. I. Robinson, Glenshaw, E. O. Berger, Bellevue, and W. S. Lang, assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa. Sewer cleaning bucket for passing around sheaves. 2,454,008, Nov. 16.

Rodemann, Emmett P., Jamaica, assignor to Bendix Aviation Corporation, Brooklyn, N. Y. Self-synchronous system for reproducing motion or position. 2,453,815, Nov. 16.

Roebuck, Chester B., Jr.: *See*—
Hare, Willis G., and Roebuck.

Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web splicing device. 2,454,093, Nov. 16.

Rogers, Thomas H., Jr., Akron, Ohio, and R. D. Vickers, New Rochelle, N. Y., assignors to Wingfoot Corporation, Akron, Ohio. Modifying vinyl chloride-vinylidene chloride copolymers with phenol formaldehyde resins. 2,454,209, Nov. 16.

Rosenthal, Adolph H., assignor to Scophony Corporation of America, New York, N. Y. Electron discharge device for producing electric oscillations. 2,454,094, Nov. 16.

Rotax Limited, assignee: *See*—
Heal, Henry T.

Roth, Grant V. W.: *See*—
Saari, Frank E., and Roth.

Rothwell, John J., Elkhart, assignor to Penn Electric Switch Co., Goshen, Ind. Adjusting means for control devices. 2,453,861, Nov. 16.

Rowe, Donald C., Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Arresting hook. 2,454,257, Nov. 16.

Royal Patent Corporation, assignee: *See*—
Durant, Lyndon A., and Horlick.

Ruben, Samuel, assignee: *See*—
Smith, Cleveland S., Jr.

Runk, Robert H., Pittsburgh 21, and R. D. Jerabek, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synthetic resin and members produced therefrom. 2,454,210, Nov. 16.

Rustebakke, Homer M., and A. W. Kimball, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,454,211, Nov. 16.

Rutemiller, Oren G., St. Bernard, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drum-operating electric drive. 2,454,212, Nov. 16.

Ryer, August I.: *See*—
Tarpley, William B., Jr., and Ryer.

Saari, Frank E., Chicago, and G. V. W. Roth, Evanston, Ill. Controlling mechanism for sand traps. 2,454,215, Nov. 16.

Sadowsky, Charles: *See*—
Armstrong, Charles W., and Sadowsky, and Hetherington.

Sager, Victor, Arcadia, assignor to Diesel Filter Co., El Monte, Calif. Apparatus for forming filter elements and the like. 2,454,213, Nov. 16.

Salisbury, Peter F., Los Angeles, Calif. Gastroscope. 2,453,862, Nov. 16.

Salisbury, Wallace S., Sharon, Wis. Cap strip gauge. 2,453,863, Nov. 16.

Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Radar control system. 2,454,009, Nov. 16.

Sandlovich, Louise K., Lincoln, Nebr. Figure base. 2,454,095, Nov. 16.

Sanford, Roy S., assignee: *See*—
Eames, James O.

Sapp, John P., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Closure. 2,454,214, Nov. 16.

Sattler, Frank A.: *See*—
Leape, Charles B., and Sattler.

Savage Arms Corporation, assignee: *See*—
Smith, Wilfred I.

Savage, John H., Welling, assignor to W. T. Henley's Telegraph Works Company Limited, Dorking, England. Spark testing apparatus for insulated electric cables and wire. 2,454,011, Nov. 16.

Savoy, Michael: *See*—
Bond, Donald C., and Savoy.

Scalfe, Charles W.: *See*—
Smith, Arthur E. W., Scalfe, and Baldock.

Schaelchlin, Walter, and K. Mahnke, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus and system for electric control purposes. 2,454,216, Nov. 16.

Schelleng, John C., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cavity resonator. 2,453,760, Nov. 16.

Schering Corporation, assignee: *See*—
Tarpley, William B., Jr., and Ryer.

Schermuly, Alfred J.: *See*—
Schermuly, Conrad D., A. J., and C.

Schermuly, Charles: *See*—
Schermuly, Conrad D., A. J., and C.

Schermuly, Conrad D., A. J., and C., assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, England. Means for discharging rockets. 2,454,096, Nov. 16.

Schermuly Pistol Rocket Apparatus Limited, The, assignee: *See*—
Schermuly, Conrad D., A. J. and C.

Scherzinger, Frank F., Henderson, Nev. Shopping bag with foldable, extensible top. 2,454,013, Nov. 16.

Schindler, Hans, Evanston, and P. T. Anderson, Park Ridge, assignors to The Pure Oil Company, Chicago, Ill. Rust preventive slushing compound for cartridge clips. 2,453,816, Nov. 16.

Schlehr, Walter R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Drawing fibers. 2,453,864, Nov. 16.

Schleimer, Floyd V., San Francisco, Calif. Photographic printing easel. 2,454,097, Nov. 16.

Schmidt, David, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Turbine thermal power plant using hot air as motivating fluid. 2,453,938, Nov. 16.

Schmidt, Elmer A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Resistance unit for flashlights. 2,453,865, Nov. 16.

Schmidt, John G., assignor to A. V. Whittington, Detroit, Mich. Collet chuck. 2,454,098, Nov. 16.

Schneider, Frank H., assignor to Florence Stove Company, Gardner, Mass. Cooking oven. 2,453,939, Nov. 16.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake with two anchoring shoes and wear take-up means therefor. 2,453,866, Nov. 16.

Schnider, Otto, J. Bourqin, and A. Grüssner, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of a thiophan derivative. 2,454,217, Nov. 16.

Schoonmaker, Raymond B., Poughkeepsie, N. Y. Hot line jumper clamp. 2,453,761, Nov. 16.

Schroeder, Wilburn C., Calvert Hills, and A. A. Berk, Berwyn Heights, Md., assignors to United States of America as represented by the Secretary of the Interior. Water treatment to prevent embrittlement cracking. 2,454,258, Nov. 16.

Schulman, Earl L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa Composite asbestos member. 2,454,218, Nov. 16.

Schultz, Mortimer A., Baltimore, Md., and R. E. Bertine, deceased, late of Pittsburgh, Pa., by G. L. Bertine, administratrix, Pittsburgh, Pa.; assignors, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transponder for testing radar devices. 2,454,219, Nov. 16.

Schwartz, Arthur A., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Apparatus for dimpling sheet metal stock. 2,453,762, Nov. 16.

Scophony Corporation of America, assignee: *See*—
Rosenthal, Adolph H.

Scrimshaw, Frank H.: *See*—
Reilly, Hugh L., Scrimshaw, and Bone.

Seals, Fred H., Warner Robins, Ga. Electric service outlet. 2,454,221, Nov. 16.

Sears, Edward O., assignor to Colvin-Templeton, Inc., Oakland, Calif. Suspension means for cooling units. 2,454,012, Nov. 16.

Seeche, Maurice D., Lawrence, Mass. Mattress. 2,454,220, Nov. 16.

Seitz, August W.: *See*—
Greiner, Alfred, and Seitz.

Selas Corporation of America, assignee: *See*—
Kniveton, James.

Sexton, Wilfred A., Manchester, R. E. Slade, and W. G. Templeman, Bracknell, England, assignors to Imperial Chemical Industries Limited. Prevention and destruction of weeds. 2,453,983, Nov. 16.

Seybold, Frederick W., Westfield, N. J. Transmission. 2,454,014, Nov. 16.

Shadday, Rolland O., Joplin, assignor to H. Wolcott, Columbia, Mo. Self-cleaning screen structure. 2,454,259, Nov. 16.

Shalkhauser, George, El Paso, Tex. Tripod. 2,453,817, Nov. 16.

Shanley, Edward S.: *See*—
Kuoch, Robert, and Shanley.

Shatkin, Sidney, Long Branch, assignor to Crest Silver Mfg. Co. Inc., Matawan, N. J. Cosmetic holder. 2,453,867, Nov. 16.

Shaw, Julian C., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Garment steaming and drying apparatus. 2,453,730, Nov. 16.

Shaw, Ralph M., Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa. Apparatus for automatically bending work such as tubing into serpentine coils. 2,453,868, Nov. 16.

Shell Development Company, assignee: *See*—
Finch, Harry de V., Ballard, and Evans.
Grenot, Leo D.
Smith, Albert E., and Beeck.

Shepherd, Harold F., Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Fuel regulating means for dual fuel engines. 2,454,222, Nov. 16.

Sheppard, Richard D., Bridgeton, N. J. Onion grading rollers. 2,454,015, Nov. 16.

Sheroff, Irving: *See*—
Green, Marty, and Sheroff.

Sheshunoff, Victor: *See*—
Whitfield, Marshall G., and Sheshunoff.

Shippee, Winsor, Fair Haven, N. J. Rotatable separable fastener. 2,454,223, Nov. 16.

Shook, Charles P., Jr., Birmingham, Ala. Belt connector. 2,454,224, Nov. 16.

Signaigo, Frank K., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process for cleaving the —S—S— group in dialkyl disulfides. 2,454,099, Nov. 16.

Silcox, William D.: *See*—
Birsch, Edwin T., and Silcox.

Silex Company, The, assignee: *See*—
Reichold, Ludwig.

Sinclair Refining Company, assignee: *See*—
Kleinholz, Milton P.

Singer Manufacturing Company, The, assignee: *See*—
Perkins, Kenneth.

Skinner, Asa W., Riverdale Village, assignor to Whiting Corporation, Harvey, Ill. Apparatus for supporting bodies of railway vehicles in connection with removal and replacement of the trucks thereof. 2,454,225, Nov. 16.

Skinner, Asa W., Riverdale Village, assignor to Whiting Corporation, Harvey, Ill. Drop table apparatus for use in servicing trucks and wheels of railway vehicles. 2,454,226, Nov. 16.

Skoog, Per F., Olympia, Wash. Inlaying sheet material. 2,454,016, Nov. 16.

Slade, Roland E.: *See*—
Sexton, Wilfred A., Slade, and Templeman.

Slate, Claude C., Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex. Bomb-carrying apparatus for aircraft. 2,453,869, Nov. 16.

Slate, Claude C., Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex. Bombing armament for aircraft. 2,453,870, Nov. 16.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Battery plate separator. 2,454,100, Nov. 16.

Slobotkin, Nathan, Brooklyn, N. Y. Flexible container with side opening. 2,453,940, Nov. 16.

Smit, Andrew, Oak Lawn, Ill. Trailer hitch. 2,453,941, Nov. 16.

Smit, George R.: *See*—
Palmer, Robert A., J. R., and G. R. Smit.

Smith, Albert E., and O. A. Beeck, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Beta-alumina catalysts. 2,454,227, Nov. 16.

Smith, Arthur E. W., Wallingford, C. W. Scalfe, Norton-on-Tees, and H. Baldock, deceased, Norton-on-Tees; by H. Baldock, Hoylake, England, legal representative, assignors to Imperial Chemical Industries Limited. Nitration of alcohols. 2,453,942, Nov. 16.

Smith, Cleveland S., Jr., West Orange, N. J., assignor to S. Ruben, New Rochelle, N. Y. Selenium rectifier and making same. 2,453,763, Nov. 16.

Smith, Delmas A.: *See*—
Fisher, Edward J., Franklin, and Smith.

Smith, Franklin S., North Haven, Conn. Method and apparatus for destroying insect life. 2,453,818, Nov. 16.

Smith, George N., near Nutwood, assignor of one-half to H. S. Robins, Warren, Ohio. Spur. 2,454,228, Nov. 16.

Smith, Herschel G.: *See*—
Hill, Mark L., and Smith.

Smith Industries, assignee: *See*—
Orlove, Max.

Smith, Stanley, Bend, Oreg. Truck loading means. 2,453,943, Nov. 16.

Smith, Warren M.: *See*—
Mikeska, Louis A., Kittleson, and Smith.

Smith, Wilfred I., Chicopee Falls, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Power lawn mower and control mechanism therefor. 2,453,819, Nov. 16.

Snead, Edwin B., Austin, Tex. Dumping vehicle. 2,454,101, Nov. 16.

Snell, Esmond E., Austin, Tex., assignor to Research Corporation, New York, N. Y. Physiologically active derivative of pyridoxine and making the same. 2,453,944, Nov. 16.

Snyder, Eugene, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Protection of certain nonferrous metal surfaces. 2,453,764, Nov. 16.

Solar Corporation, assignee: *See*—
Fields, George C.

Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Electrical connector. 2,453,731, Nov. 16.

Southwest Airways Company, assignee: *See*—
Ray, James G.

Spadaro, James J.: *See*—
Porges, Nandor, Pollard, and Spadaro.

Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermoelectric generator with pilot burner. 2,454,229, Nov. 16.

Snase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch. 2,453,945, Nov. 16.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Variable test transmitter. 2,453,871, Nov. 16.

Sperry Corporation, The, assignee: *See*—
Isbister, Eric J., and Dean.
Jaynes, Edwin T.

Stacy, John D., Pittsfield, Mass., assignor to General Electric Company. Electric capacitor. 2,454,102, Nov. 16.

Standard Oil Company, assignee: *See*—
Becker, Sam B.

Standard Oil Company, The, assignee: *See*—
Hughes, Everett C., and Veatch.
Stevens, Donald G.

Standard Oil Development Company, assignee: *See*—
Davis, William S., Jr., and Wright.
Fisher, Edward J., Franklin, and Smith.
Hungate, William.
Kimberlin, Charles N., Jr.
Mikeska, Louis A., Kittleson, and Smith.
Morrell, Charles E., and Swaney.
Sweetser, Sumner B.
Vanderbilt, Byron M., and Parker.
Viles, Prentiss S., and Camp.

Stauffer, Edward J., assignor to Kroehler Mfg. Co., Naperville, Ill. Upholsterer's application tool. 2,453,872, Nov. 16.

Stearns-Roger Manufacturing Company, The, assignee: *See*—
Mason, John E., and White.

Steiger, Norbert, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of metal mercaptides of amino-aryl mercaptans. 2,454,260, Nov. 16.

Stein, Hall & Company, Inc., assignee: *See*—
La Piana, Fred G., and Bosland.

Steidt, Frank A., assignor to Eli Lilly and Company, Indianapolis, Ind. Tubocurare purification. 2,453,873, Nov. 16.

Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic cycling system. 2,453,732, Nov. 16.

Stephenson, Roy S., San Francisco, Calif. Incased drain plug. 2,453,820, Nov. 16.

Stevens, Donald G., assignor to The Standard Oil Company, Cleveland, Ohio. Alkylation process. 2,453,765, Nov. 16.

Stevens, Laverne B., Jackson, Miss. Strap tightener. 2,453,821, Nov. 16.

Stickney, Fernald S., West Caldwell, N. J. Motor brush holder connector. 2,454,230, Nov. 16.

Stigter, Willem H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Piezoelectric device for converting pressure variations into potential variations. 2,454,264, Nov. 16.

Stoick, Reinhold L., Missoula, Mont. Stand for Christmas trees and the like. 2,454,231, Nov. 16.

Stoltz, Glenn E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,454,232, Nov. 16.

Stover, Harold D.: *See*—
Baker, John B., and Stover.

Strumor, Mathew A., Brooklyn, N. Y. Picture projecting pistol. 2,454,233, Nov. 16.

Sulfrian, Gerard F.: *See*—
Paul, Richard, and Sulfrian.

Sulfrian, Gerard F., assignor to Hofman Laboratories, Inc., Newark, N. J. Thermally insulated container with radiation shield and energy absorber. 2,453,946, Nov. 16.

Sun Chemical Corporation, assignee: *See*—
Wakeman, Stephen N.
Wendt, Gerald L.

Sundel, Alexander, assignee: *See*—
Sundel, Samuel.

Sundel, Samuel, Philadelphia, Pa., assignor of one-half to A. Sundel and one-half to C. Bastis, New York, N. Y. Portable alarm. 2,454,234, Nov. 16.

Swaney, Miller W.: *See*—
Morrell, Charles E., and Swaney.

Swank, Inc., assignee: *See*—
Howard, Viola T.

Swanson, Carl E., Chicago, Ill. Socket for fluorescent tubes. 2,454,017, Nov. 16.

Sweetser, Sumner B., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,453,874, Nov. 16.

Swidersky, Stanley T., Houtzdale, Pa. Fastener. 2,454,103, Nov. 16.

Swift, Frank H., Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Hydraulic type log debarker having plural log-rotating chucks independently revolvable about a common axis. 2,453,947, Nov. 16.

Taborski, Alfred F., Buffalo, N. Y. Necktie. 2,453,733, Nov. 16.

Tarpley, William B., Jr., Chatham, N. J., and A. I. Ryer, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Preparation of N¹-acyl sulfanilamides. 2,454,104, Nov. 16.

Teague, Leonard C.: *See*—
Johnson, John P., and Teague.

Teetsell, Roy J., Red Bank, N. J. Meter pedestal. 2,453,734, Nov. 16.

Templeman, William G.: *See*—
Sexton, Wilfred A., Slade, and Templeman.

Terhune, Howard, assignor, by mesne assignments, of one-half to Champion Forge Company, Cleveland, Ohio. Ram guide. 2,453,875, Nov. 16.

Thayer, Russell M., Kenmore, N. Y., assignor to The Linde Air Products Company. Process and apparatus for transferring measured quantities of liquefied gas. 2,453,766, Nov. 16.

Thomas, John, assignee: *See*—
Lee, Robert E.

Thompson, Josephus, Covington, assignor of one-third to Grossman Music Company, Cleveland, Ohio. Multitone whistle. 2,454,105, Nov. 16.

Thompson, Merle O., Seymour, Ind. Sled runner. 2,453,767, Nov. 16.

Timken Roller Bearing Company, The, assignee: *See*—
Baker, John B., and Stover.

Tinnell, Wayne, Cincinnati, Ohio. Welding electrode holder. 2,453,768, Nov. 16.

Tinnerman Products, Inc., assignee: *See*—
Hartman, Richard A.

Toland, William C., Brookline, and M. H. Hamilton, Lexington, assignors, by mesne assignments, to W. C. Toland, Brookline, Mass. Fountain solution roller. 2,453,735, Nov. 16.

Tolotti, Albert A., Reno, Nev. Skate clamp. 2,453,876, Nov. 16.

Tomek, Ernst J., Danbury, assignor to Connecticut Tool & Engineering Company, Bridgeport, Conn. Drilling machine. 2,454,235, Nov. 16.

Topp, Fred J., assignee: *See*—
Kehoe, Michael J.

Trail, Herbert H., assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Hydraulic torque converter of the converter coupling type. 2,453,877, Nov. 16.

Trofimov, Lev A., Willoughby, Ohio. Automatic steering apparatus. 2,453,878, Nov. 16.

Turnepseed, Clarence, Springfield, Ohio. Mop gripping unit for mop shaking machines. 2,453,948, Nov. 16.

Ulinski, Bronislaus, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Manually controlled power booster mechanism. 2,453,949, Nov. 16.

Underwood Corporation, assignee: *See*—
Pitman, Richard W.

Union Oil Company of California, assignee: *See*—
Polizzotto, Paul L., and Backlund.

Union Switch and Signal Company, The, assignee: *See*—
Broadbent, John H.

United Aircraft Corporation, assignee: *See*—
Cole, Gilmoure N., and Wells.

United-Carr Fastener Corporation, assignee: *See*—
Jones, Walter I.
Wagstaff, George.

United Dairy Equipment Company, assignee: *See*—
McFadden, James B.

United Lens Corporation, assignee: *See*—
Coulter, Guy H.

United Shoe Machinery Corporation, assignee: *See*—
Dixon, Paul H.

United States of America, assignee: *See*—
Whitehead, Richard H.

United States Rubber Company, assignee: *See*—
Wood, Thomas F.

Van Buren, Tracy H., Sturgis, Mich. Locking means for adjustable back chairs. 2,453,879, Nov. 16.

Van de Kamp, Jacob: *See*—
Conn, John B., and van de Kamp.

Van Den Berge, Hendrik J., and H. P. Hubee, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Welding device. 2,453,950, Nov. 16.

Vanderbilt, Byron M., Westfield, N. J., and P. T. Parker, Baton Rouge, La., assignors to Standard Oil Development Company. Container. 2,453,880, Nov. 16.

Veatch, Franklin: *See*—
Hughes, Everett C., and Veatch.

Vedder, Walter O., assignor to Pangborn Corporation, Hagerstown, Md. Dust collector. 2,453,951, Nov. 16.

Vickers, Robert D.: *See*—
Rogers, Thomas H., Jr., and Vickers.

Viles, Prentiss S., and E. Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company. Inhibition of corrosion in wells. 2,453,881, Nov. 16.

Viles, Prentiss S., and E. Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company. Inhibiting corrosion in wells. 2,453,882, Nov. 16.

Vineberg, Arthur M.: *See*—
Bowen, Henry B., and Vineberg.

Vitarama Corporation, The, assignee: *See*—
Waller, Fred, and Dresser.

Vitoux, Marcel, Troyes, France, assignor to American Vitos Company, Inc., New York, N. Y. Pneumatic knitting device. 2,454,236, Nov. 16.

Von Glahn, William H., Londonville, and H. A. Bergstrom, Albany, assignors to General Aniline & Film Corporation, New York, N. Y. 4-cyano-2,5-dialkoxyacetoacetanilides. 2,453,692, Nov. 16.

Van Hoorn, Fred G., Bridgeport, Conn., assignor to General Electric Company. Circuit breaker. 2,454,106, Nov. 16.

Waernhoff, Ernst T.: *See*—
Flater, Harold, Berglund, Waernhoff, and Franson.

Wagner Electric Corporation, assignee: *See*—
Milster, Arthur N.
Schnell, Steve.

Wagstaff, George, Long Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic valves and other electrical devices. 2,454,018, Nov. 16.

Wahl, Albert G., Los Angeles, Calif. Vegetable cutter. 2,454,237, Nov. 16.

Wald, Sidney, Collingswood, N. J., assignor to Radio Corporation of America. Servo mechanism. 2,454,107, Nov. 16.

Waldron, John W., Muncie, Ind., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Purification of heterocyclic nitrogen compounds. 2,454,019, Nov. 16.

Waller, Fred, Huntington, N. Y., and W. R. Dresser, Long Hill, Conn., assignors to The Vitarama Corporation, Huntington Station, N. Y. Electrically illuminated display apparatus. 2,454,238, Nov. 16.

Walling, Cheves T., Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing organic sulfides. 2,454,108, Nov. 16.

Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aminotriazine and derivatives. 2,454,261, Nov. 16.

Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Diamino thiadiazine derivatives. 2,454,262, Nov. 16.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Brown, Paul F.
Raymond, Richard C.

Washburn, Frank, La Fayette, Ind., assignor of one-half to W. O. Mayne, Battle Creek, Mich. Surface covering material. 2,454,239, Nov. 16.

Waters, Harry F., New York, N. Y. Crayon holder. 2,454,109, Nov. 16.

Weatherhead Company, The, assignee: *See*—
Hufferd, George H., and Berli.
Prince, Warren V.

Weaver, Paul, Rio Vista, Calif. Lug box lifter. 2,454,110, Nov. 16.

Weitzenkorn, Lee F., Dundalk, and G. N. Goller, Baltimore, Md., assignors to Armco Steel Corporation. Ferrochrome process and product. 2,454,020, Nov. 16.

Wekeman, Stephen N., Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation, New York, N. Y. Photographic suction holder. 2,454,240, Nov. 16.

Wells, Chester R.: *See*—
Cole, Gilmoure N., and Wells.

Wendt, Gerald L., New York, N. Y., assignor to Sun Chemical Corporation. Preparation of photosetting coating composition. 2,453,769, Nov. 16.

Wendt, Gerald L., New York, N. Y., assignor to Sun Chemical Corporation. Preparation of photosetting coating composition. 2,453,770, Nov. 16.

Wennerberg, August, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire-cutting apparatus. 2,454,241, Nov. 16.

Western Carrugator Co., assignee: *See*—
Palmer, Robert A. and J. R., and Smit.

Western Electric Company, Incorporated, assignee: *See*—
Martin, Samuel M.
Powell, Paul R.
Wennerberg, August.

Western Waxed Paper Company, assignee: *See*—
Bojanower, Albert M.

Westinghouse Electric Corporation, assignee: *See*—
Ankenman, Earl B.
Atwell, Clarence A., and Mueller.
Baker, Benjamin F., and Harker.
Boyer, John L., and Ballard.
Brecht, Winston A.
Carville, Theodore E. M.
Derr, Willard A.
Fielder, Frederick D.
Gerlach, Francis H., and Miner.
Hall, Sherman B.
Harder, Edwin L.
Harder, Edwin L., and Pollard.
Harding, William R.
Hartwig, Edward C.
Johns, Francis J.
Kenyon, Alonzo F.
Leape, Charles B., and Sattler.
Lentjes, Gerhard.
Macdonald, Angus A.
Marbury, Ralph E.
Petzinger, Ambrose J., and Adams.
Reilly, Jack E.
Runk, Robert H., and Jerabek.
Rustebakke, Homer M., and Kimball.
Rutemiller, Oren G.
Schaelchlin, Walter, and Mahnke.
Schulman, Earl L.
Schultz, Mortimer A., and Bertine.
Stoltz, Glenn E.

Wettlaufer, John L., Toronto, Ontario, Canada. Vibratory screen. 2,453,883, Nov. 16.

Wharam, John J., Dearborn, and M. Jovanovich, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Horn button construction. 2,454,242, Nov. 16.

Whipple, Leon V., Berkley, Mich., assignor to Eureka Williams Corporation. Hand signal discharger. 2,453,884, Nov. 16.

White, Albert R., Glendale, Calif. Oil-refining foldable pack. 2,453,952, Nov. 16.

White, Clarence: *See*—
Mason, John E., and White.

White, Pauline A. and P., Long Ridge, N. Y. Exerciser. 2,453,771, Nov. 16.

White, Percival: *See*—
White, Pauline A. and P.

White, Virginia A., executrix: *See*—
Mason, John E., and White.

Whitehead, Richard H., New Haven, Conn., assignor, by mesne assignments, to the United States of America. Time fuse. 2,453,822, Nov. 16.

Whitfield, Marshall G., and V. Sheshunoff, Garden City, assignors, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y. Aluminum coating process. 2,453,772, Nov. 16.

Whiting Corporation, assignee: *See*—
Skinner, Asa W.

Whittington, Arthur V., assignee: *See*—
Schmidt, John G.

Wiedenhoeft, Arthur E., Glen Ellyn, Ill. Lighting fixture. 2,454,243, Nov. 16.

Wilkerson, Jefferson R.: *See*—
Rae, Wilton T., and Wilkerson.

Willard Storage Battery Company, assignee: *See*—
Donkin, William F.
Schmidt, Elmer A.

Williams, Burdell S., Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Multiple stage refrigeration. 2,453,823, Nov. 16.

Wilson, Abram B., Hollidays Cove, W. Va., assignor to National Steel Corporation. Apparatus for tensioning strip material. 2,454,021, Nov. 16.

Wilson, Theodore J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Generating system. 2,453,885, Nov. 16.

Wing, L. J., Mfg. Co., assignee: *See*—
Lurcott, Winfred N.

Wingfoot Corporation, assignee: *See*—
Gardner, Charles E.
Rogers, Thomas H., Jr., and Vickers.

Wintermute, Carlton H., Newark, N. J. Moistureproof housing for piezoelectric elements. 2,454,244, Nov. 16.

Winther, Martin P., assignor to M. P. Winther, Waukegan, Ill., trustee. Universal angle drive. 2,454,111, Nov. 16.

Wolcott, Herbert, assignee: *See*—
Shadday, Rolland O.

Wood, Clifford, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Preparing sulfur-containing phthalocyanine dyestuffs. 2,453,953, Nov. 16.

Wood Newspaper Machinery Corporation, assignee: *See*—
Roesen, Oscar C.

Wood, Thomas F., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Alpha-acetoxymethyl acrylonitrile polymers. 2,453,824, Nov. 16.

Woodberry, John H., and F. W. Hoewischer, Metuchen, N. J. Cartridge orientating hopper. 2,453,736, Nov. 16.

Woodruff, Jackson A., St. Davids, Pa., assignor to American Viscose Corporation, Wilmington, Del. Flame-retarding material and making the same. 2,454,245, Nov. 16.

Woodson, Thomas T., Bridgeport, Conn., assignor to General Electric Company. Support for spin basket for clothes-washing machines and the like. 2,454,112, Nov. 16.

Worth, Weldon, Dayton, Ohio. Oil temperature control unit. 2,453,737, Nov. 16.

Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Bore gauge. 2,454,246, Nov. 16.

Wright, Donald L.: *See*—
Davis, William S., Jr., and Wright.

Wright, Harry T., Richmond, Va. Fireplace heating system. 2,453,954, Nov. 16.

Wright, Samuel B., Coventry, England. Tailstock lathe for drilling. 2,453,825, Nov. 16.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Ulinski, Bronislaus.

Yardeny, Michel N., New York, N. Y. Radio-remote control apparatus. 2,454,022, Nov. 16.

Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Diplex transmission by combined frequency-amplitude modulation. 2,453,773, Nov. 16.

Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Facsimile recording apparatus. 2,454,247, Nov. 16.

Younghusband, James L., Chicago, Ill. Remembrancer. 2,453,955, Nov. 16.

Zimmermann, Lewis C., Youngstown, Ohio. Conveyer. 2,454,023, Nov. 16.

LIST OF DESIGN INVENTIONS

Alphabet for forming monograms or the like. M. Chernow. 151,736–7, Nov. 16.
Automobile. G. C. Sullivan. 151,796, Nov. 16.
Bracelet or similar article. E. E. Fachon. 151,747, Nov. 16.
Brassière. L. Daché. 151,742, Nov. 16.
Brassière. L. Hunau. 151,760, Nov. 16.
Brooch or similar article. O. Blake. 151,731, Nov. 16.
Brooch or similar article. A. Katz. 151,763–5, Nov. 16.
Brooch or similar article. A. Katz. 151,767–9, Nov. 16.
Brush receptacle, Toilet bowl. M. Karagozian. 151,762, Nov. 16.
Building block, Hollow glass. J. H. Sutter. 151,797–9, Nov. 16.
Cabinet for radio-phonograph combination, Console. W. Schier and D. L. Doggett. 151,787, Nov. 16.
Cabinet, Radio. W. Schier and D. L. Doggett. 151,785, Nov. 16.
Cabinet, Radio receiver. W. Schier and D. L. Doggett. 151,786, Nov. 16.
Camera or similar article. M. N. Fairbank. 151,748–9, Nov. 16.
Camera or similar article. E. H. Land. 151,775, Nov. 16.
Camera or similar article. S. B. Whittier. 151,802–3, Nov. 16.
Camera or similar article. O. E. Wolff. 151,804, Nov. 16.
Case, Speaker. L. G. Stine. 151,795, Nov. 16.
Casing for service station dispensing apparatus. A. P. Hoppe. 151,759, Nov. 16.
Chair. H. Sebel. 151,788, Nov. 16.
Clip or similar article. M. Boucher. 151,734–5, Nov. 16.
Comb. J. Frickel. 151,753, Nov. 16.
Container for a perfume bottle or the like. G. Baud. 151,729, Nov. 16.
Container for perfume bottles or the like. G. Baud. 151,730, Nov. 16.
Dispenser, Beverage. C. W. Lloyd. 151,779, Nov. 16.
Dispenser, Toothpick. C. Koenig. 151,773, Nov. 16.
Drinking fountain or similar article. R. H. Tull. 151,800, Nov. 16.
Earring or similar article. A. Katz. 151,766, Nov. 16.
Ejector pump and strainer base plate, Combined. W. B. Harris. 151,757, Nov. 16.
Game piece set. R. R. Hart. 151,758, Nov. 16.
Gauge, Internal length comparator. W. K. Dow. 151,743, Nov. 16.
Girdle. H. M. Colby. 151,740, Nov. 16.
Handbag. C. Feigl. 151,750–2, Nov. 16.
Handbag. J. L. Friedman. 151,754, Nov. 16.
Handbag. C. N. Munn. 151,782, Nov. 16.
Holder or similar article, Scarf. M. Chernow. 151,738, Nov. 16.
Lens, Traffic signal observation. H. C. Riemann. 151,784, Nov. 16.
Lighter and writing implement or similar article, Combined. F. Kaupmann. 151,771, Nov. 16.
Link for a watch bracelet or similar article, Terminal. K. C. Augenstein. 151,728, Nov. 16.
Necklace or similar article. A. Katz. 151,770, Nov. 16.
Necklace or similar article. A. Philippe. 151,783, Nov. 16.
Ornament, Christmas. E. B. Glunz. 151,755, Nov. 16.
Photographic camera. E. H. Land. 151,774, Nov. 16.
Ring, Toe. J. Shapiro. 151,789, Nov. 16.
Ruffler attachment housing for sewing machines. V. J. Sigoda. 151,790, Nov. 16.
Scarf or the like, Decorative. S. Goldenstein. 151,756, Nov. 16.
Sharpener, Drill. R. P. Smith. 151,792, Nov. 16.
Shears, Pruning. J. L. Smith. 151,791, Nov. 16.
Spoon, Child's. R. S. Claflin. 151,739, Nov. 16.
Spoon or other article of flatware. E. J. Conroy. 151,741, Nov. 16.
Spoon or similar article. A. J. Eggleston. 151,744, Nov. 16.
Spoon or similar article. J. L. Hvale. 151,761, Nov. 16.
Sprinkler, Water. C. B. Kemp. 151,772, Nov. 16.
Stand or similar article, Display. L. B. Morrison. 151,781, Nov. 16.
Stand, Telephone. G. A. Levis. 151,778, Nov. 16.
Stocking, Lady's. W. G. Bley. 151,732–3, Nov. 16.
Sweater. S. Levine. 151,776–7, Nov. 16.
Sweater or similar article. B. Ehrenreich. 151,745, Nov. 16.
Table. S. Low. 151,780, Nov. 16.
Toy animal figure. A. von Erdberg. 151,801, Nov. 16.
Vase. G. A. Sparks and A. C. Cunningham. 151,793–4, Nov. 16.
Walking stick. E. R. Ethington. 151,746, Nov. 16.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive blast table. C. M. Gossard. 2,454,158, Nov. 16.
Actuating valve with opposed unequal areas. H. S Phelan. 2,453,812, Nov. 16.
Actuator, Revolution counter. J. L. Moody. 2,453,926, Nov. 16.
Adjustable window shade bracket. W. P. Moore. 2,453,806, Nov. 16.
Adjusting means for control devices. J. J. Rothwell. 2,453,861, Nov. 16.
Adjusting system, Voltage. G. L. Fredendall. 2,454,150, Nov. 16.
Air compressing system. M. Mallory. 2,454,073, Nov. 16.
Air compressor, Rotary. R. Flanagan. 2,454,048, Nov. 16.
Aircraft cooling by air turbine means. A. M. Mayo. 2,453,923, Nov. 16.
Aircraft door. J. G. Ray. 2,453,937, Nov. 16.
Aircraft propeller. W. Dalton. 2,454,040, Nov. 16.
Air gun. A. F. Lovering. 2,453,799, Nov. 16.
Air heating furnace and blower, Volute type. F. R. Higley. 2,453,912, Nov. 16.
Alarm, Portable. S. Sundel. 2,454,234, Nov. 16.
Alarm system for automobiles, Theft. A. R. Gray. 2,453,903, Nov. 16.
Aligning bar. H. R. Long. 2,453,717, Nov. 16.
Alkenyl alkali metal compounds. A. A. Morton. 2,454,082, Nov. 16.
Alkyl halides, Preparation of. D. C. Bond. 2,453,779, Nov. 16.
Alkylation process. D. G. Stevens. 2,453,765, Nov. 16.
Alpha-acetoxymethyl acrylonitrile polymers. T. F. Wood. 2,453,824, Nov. 16.
Alumina hydrosol formation by aeration. Accelerating. C. N. Kimberlin, Jr. 2,453,847, Nov. 16.
Amides, Catalytic production of. P. W. Garbo. 2,453,706, Nov. 16.
Aminotriazine and derivatives. H. A. Walter. 2,454,261, Nov. 16.
Amplifier. W. B. Ellwood. 2,454,045, Nov. 16.
Anchor, Pipe. M. S. Johnson. 2,454,064, Nov. 16.
Anchor post, Extensible. C. Hudkins. 2,454,179, Nov. 16.
Angle drive, Universal. M. P. Winther. 2,454,111, Nov. 16.
Antenna reflector system. D. Kinnier. 2,453,751, Nov. 16.
Apparatus and system for electric control purposes. W. Schaelchlin and K. Mahnke. 2,454,216, Nov. 16.
Apparatus for alkylation. E. J. Fisher, W. B. Franklin, and D. A. Smith. 2,453,837, Nov. 16.
Apparatus for automatically bending work such as tubing into serpentine coils. R. M. Shaw, Jr. 2,453,868, Nov. 16.
Apparatus for controlling centrifugal formation of sheet material. R. S. Ames, M. P. Peterson and J. C. Feldscher. 2,454,116, Nov. 16.
Apparatus for converting intermittent power to continuous power. R. R. Hays. 2,454,058, Nov. 16.
Apparatus for detecting perforations in ammunition flash tubes. L. Meister. 2,453,720, Nov. 16.
Apparatus for dimpling sheet metal stock. A. A. Schwartz. 2,453,762, Nov. 16.
Apparatus for forming filter elements and the like. V. Sager. 2,454,213, Nov. 16.
Apparatus for handling material. L. B. Gilchrist. 2,454,055, Nov. 16.
Apparatus for indicating the available seating accommodation at places of entertainment. R. A. Fletcher and L. H. Bevan. 2,453,838, Nov. 16.
Apparatus for molding articles. S. M. Martin. 2,454,193, Nov. 16.
Apparatus for shaping and forming leather. M. Green and I. Sheroff. 2,453,987, Nov. 16.
Apparatus for supporting bodies of railway vehicles in connection with removal and replacement of the trucks thereof. A. W. Skinner. 2,454,225, Nov. 16.
Apparatus for tensioning strip material. A. B. Wilson. 2,454,021, Nov. 16.
Appetite-stimulating and amusement devices, Child's combination. B. B. Manaster. 2,453,922, Nov. 16.
Aquatic decoys, Manufacturing. A. H. Risch. 2,453,758, Nov. 16.
Armament for aircraft, Bombing. C. C. Slate. 2,453,870, Nov. 16.
Arresting gear. E. Molloy and L. G. Raiche. 2,454,081, Nov. 16.
Arresting hook. D. C. Rowe. 2,454,257, Nov. 16.
Article holder for attachment to automobile visors. K. L. Hanson. 2,453,843, Nov. 16.
Artificial limb. E. C. Carter. 2,453,969, Nov. 16.
Asbestos member, Composite. E. L. Schulman. 2,454,218, Nov. 16.
Ash tray. H. M. Foddy. 2,453,790, Nov. 16.
Attachment to geometrical instrument. R. H. Buchhorn. 2,454,133, Nov. 16.
Automatic control for washing machines. P. M. Pappas. 2,454,198, Nov. 16.
Awning. M. R. Lorenz and C. A. Brahm. 2,453,921, Nov. 16.
Ball gate and elevating mechanism. L. A. Durant and G. Horlick. 2,453,976, Nov. 16.
Bar: *See*—
  Aligning bar.
Baseball playing machine, Simulated. W. A. Johnson. 2,454,065, Nov. 16.
Battery plate separator. G. Slayter. 2,454,100, Nov. 16.
Belt connector. C. P. Shook, Jr. 2,454,224, Nov. 16.
Bending machine, Slider. L. M. Rabinowitz. 2,453,860, Nov. 16.
Benzhydryl amino ethers. G. Rieveschl, Jr. 2,453,729, Nov. 16.
Benzhydryl amino ethers. G. Rieveschl, Jr. 2,454,092, Nov. 16.
Beta-alumina catalysts. A. E. Smith and O. A. Beeck. 2,454,227, Nov. 16.
Binder, Three-prong loose-leaf. J. A. Murray. 2,453,807, Nov. 16.
Binding implement. J. R. Burns. 2,454,135, Nov. 16.
Blade handling device. J. Muros. 2,454,197, Nov. 16.
Blade, Propeller. J. T. McCormick. 2,453,803, Nov. 16.
Block: *See*—
  Pulley block.
Bomb-carrying apparatus for aircraft. C. C. Slate. 2,453,869, Nov. 16.
Bomb release system, Radio. J. H. Ludwig. 2,453,996, Nov. 16.
Booster mechanism, Manually controlled power. B. Ulinski. 2,453,949, Nov. 16.
Bore gauge. J. H. Worthen. 2,454,246, Nov. 16.
Bottle carrier. J. Harhay. 2,453,908, Nov. 16.
Bottle carrier. G. W. Howell. 2,454,178, Nov. 16.
Bottle closure. S. Bloomfield. 2,454,126, Nov. 16.
Box: *See*—
  Millinery box.
Bracket: *See*—
  Adjustable window shade bracket.
Brake: *See*—
  Hydraulic brake.
Brake for automobiles and the like, Friction disk. E. L. Page. 2,454,084, Nov. 16.
Brake for deceleration of centrifugal machines, Speed responsive. C. A. Olcott. 2,453,854, Nov. 16.
Brake with two anchoring shoes and wear take-up means therefor. S. Schnell. 2,453,866, Nov. 16.
Brassière. J. Glick. 2,454,151, Nov. 16.
Brassière. J. Glick. 2,454,153, Nov. 16.
Brassière and similar garment. J. Glick. 2,454,152, Nov. 16.
Bucket for passing around sheaves, Sewer cleaning. L. R. and K. I. Robinson, E. O. Berger, and W. S. Lang. 2,454,008, Nov. 16.
Business machine. R. W. Pitman. 2,453,932, Nov. 16.
Butane, Isomerization of normal. L. U. Franklin and C. F. Plumhoff. 2,454,149, Nov. 16.
Button construction, Horn. J. J. Wharam and M. Jovanovich. 2,454,242, Nov. 16.
Cage, Self-contained roller-bearing. J. B. Baker and H. D. Stover. 2,454,028, Nov. 16.
Cap strip gauge. W. S. Salisbury. 2,453,863, Nov. 16.
Capacitor, Critically damped. R. E. Marbury. 2,454,192, Nov. 16.
Capacitor, Electric. G. H. Floyd, Jr. 2,454,049, Nov. 16.
Capacitor, Electric. J. D. Stacy. 2,454,102, Nov. 16.
Carburetor. J. T. Rauen. 2,453,728, Nov. 16.
Carrier: *See*—
  Bottle carrier.
Carton. A. E. Bentham. 2,454,029, Nov. 16.
Carton, Shipping. S. A. Blackman. 2,453,829, Nov. 16.
Cartridge feeding mechanism for automatic guns. W. Hamilton. 2,454,251, Nov. 16.
Cartridge, Mounting stylus. C. M. Chorpening. 2,453,894, Nov. 16.
Casing construction, Lock. A. Erkkila. 2,454,145, Nov. 16.
Caster mount for single-wheel trailers. O. W. Inskeep. 2,453,916, Nov. 16.
Catch, Cupboard. H. Quigley and A. F. Lickteig. 2,453,935, Nov. 16.
Cathode-ray tube. R. C. Raymond. 2,454,204, Nov. 16.

Cathode-ray tube control circuit. E. J. Isbister and W. N. Dean. 2,453,711, Nov. 16.
Cathodes of electric discharge tubes, Manufacturing. R. Loosjes. 2,453,753, Nov. 16.
Child's toilet seat. W. H. Perrin. 2,454,199, Nov. 16.
Choke, Shotgun. J. E. A. Egleson. 2,453,747, Nov. 16.
Chuck, Collet. J. G. Schmidt. 2,454,098, Nov. 16.
Circuit: *See*—
Cathode-ray tube control circuit. Facsimile recorder control circuit.
Control circuit. Timing circuit.
Counting circuit.
Circuit breaker. F. G. von Hoorn. 2,454,106, Nov. 16.
Circuit interrupter. B. F. Baker and D. C. Harker. 2,454,121, Nov. 16.
Circuit interrupter, Fluid pressure operated. G. Lentjes. 2,454,189, Nov. 16.
Circular electric lamp. A. Greiner and A. W. Seitz. 2,453,986, Nov. 16.
Circulating gas heater. A. E. Moores. 2,454,195, Nov. 16.
Clamp: *See*—
Hot line jumper clamp. Skate clamp.
Clamp for master sheets of printing machines. L. H. Morse. 2,453,927, Nov. 16.
Cleaving the —S—S— group in dialkyl disulfides. F. K. Signaigo. 2,454,099, Nov. 16.
Closure. J. P. Sapp. 2,454,214, Nov. 16.
Clothes drier. M. L. Pugh. 2,453,859, Nov. 16.
Clutch: *See*—
Friction clutch. Magnetic clutch.
Hydraulic clutch.
Coat. L. S. Guckert. 2,453,989, Nov. 16.
Coating by thermal evaporation, Method and apparatus for. R. P. Mattern. 2,453,801, Nov. 16.
Coating process, Aluminum. M. G. Whitfield and V. Sheshunoff. 2,453,772, Nov. 16.
Cock, Drain. G. H. Hufferd and N. C. Berli. 2,453,792, Nov. 16.
Coil-supporting structure. O. I. Price. 2,453,725, Nov. 16.
Coil-winding machine. H. A. Hilsinger, Jr. 2,453,749, Nov. 16.
Coiling machine. A. W. Payne. 2,453,724, Nov. 16.
Compass, Telemetric. W. H. Kliever. 2,454,184, Nov. 16.
Compensator, Printing press. W. F. Huck. 2,453,982, Nov. 16.
Conductor having a low impedance movable electrical contact device, High-frequency. H. E. Holman and E. C. Cork. 2,454,062, Nov. 16.
Connector: *See*—
Belt connector. Motor brush holder connector.
Draft connector.
Electrical connector.
Connector for bracelets, wrist watch straps, etc. J. Kreisler. 2,453,993, Nov. 16.
Contact for vacuum tube sockets. C. J. Adams. 2,453,826, Nov. 16.
Contacting equipment, Electrical. B. W. Benbow. 2,453,778, Nov. 16.
Container: *See*—
Shipping container.
Container. B. M. Vanderbilt and P. T. Parker. 2,453,880, Nov. 16.
Container with side opening, Flexible. N. Slobotkin. 2,453,940, Nov. 16.
Control circuit. A. A. Macdonald. 2,454,191, Nov. 16.
Control device for rotary blade units. G. L. Kampa. 2,454,182, Nov. 16.
Control flap with fluid jets for aircraft. P. E. Mercier. 2,453,721, Nov. 16.
Control mechanism, Gun. J. P. Lidral and M. M. Berry. 2,454,071, Nov. 16.
Control mechanism, Selective single. F. H. Barger. 2,454,122, Nov. 16.
Control of contrast with aromatic diamine color developers. F. W. H. Mueller. 2,454,001, Nov. 16.
Control system. E. L. Harder. 2,454,164, Nov. 16.
Control system. G. E. Stoltz. 2,454,232, Nov. 16.
Control system, Automatic frequency. E. T. Jaynes. 2,454,265, Nov. 16.
Control system for aircraft turbosuperchargers. F. E. Crever. 2,454,038, Nov. 16.
Control system, Radar. R. C. Sanders, Jr. 2,454,009, Nov. 16.
Control system responsive to an average value, Gain. H. E. Haynes. 2,454,169, Nov. 16.
Control unit, Oil temperature. W. Worth. 2,453,737, Nov. 16.
Controlling mechanism for sand traps. F. E. Saari and G. V. W. Roth. 2,454,215, Nov. 16.
Conversion of alicyclic aldehydes. H. D. Finch, S. A. Ballard, and T. W. Evans. 2,454,047, Nov. 16.
Conveyer. L. C. Zimmermann. 2,454,023, Nov. 16.
Corrosion in wells, Inhibiting. P. S. Viles and E. Q. Camp. 2,453,882, Nov. 16.
Corrosion in wells, Inhibition of. P. S. Viles and E. Q. Camp. 2,453,881, Nov. 16.
Corrosion preventive. W. S. Davis, Jr., and D. L. Wright. 2,453,833, Nov. 16.
Corrosion resisting valve. O. W. Greene. 2,454,160, Nov. 16.
Corrosion testing elements, Electrolytic preparation of. L. D. Grenot. 2,453,904, Nov. 16.
Corset and stocking retainer, Combination. L. M. Deegan. 2,453,834, Nov. 16.
Cosmetic holder. S. Shatkin. 2,453,867, Nov. 16.
Counting circuit. E. C. Hartwig. 2,454,167, Nov. 16.
Coupling: *See*—
Hydraulic hose coupling.
Coupling. W. V. Prince. 2,453,813, Nov. 16.
Coupling for shafts. A. Betz. 2,453,964, Nov. 16.
Cover and cushion for shampoo boards, Sanitary. F. J. Conjurske. 2,453,784, Nov. 16.
Cutter: *See*—
Vegetable cutter.
Crankshaft dressing tool. M. D. Johnson. 2,453,797, Nov. 16.
Crayon holder. H. F. Waters. 2,454,109, Nov. 16.
Cutoff wheel. F. M. Bley. 2,454,125, Nov. 16.
Cyanine dyes, Modified. A. W. Anish. 2,453,738, Nov. 16.
Cyclic ethers, Oxidation of. J. G. M. Bremner and D. G. Jones. 2,453,890, Nov. 16.
Cycling system, Hydraulic. W. T. Stephens. 2,453,732, Nov. 16.
Cylinder plug for gas-operated guns with grenade launchers. C. H. Coates. 2,453,699, Nov. 16.
Cylinders for dump trucks, Pivoting hydraulic power. H. O. Day. 2,453,975, Nov. 16.
Dental root preparation instrument. P. Brooks. 2,453,696, Nov. 16.
Desk with mail indicating system, Registration. M. G. Rapp. 2,454,088, Nov. 16.
Destroying insect life, Method and apparatus for. F. S. Smith. 2,453,818, Nov. 16.
Developing apparatus, Film. W. R. Gardiner and J. T. Mays. 2,453,900, Nov. 16.
Device for adjusting breaker units. T. J. Basista. 2,453,774, Nov. 16.
Device for mixing plaster compounds and mixtures. G. M. Hollenback. 2,453,914, Nov. 16.
Device for preserving objects requiring liquid supply. D. Hamlet. 2,453,906, Nov. 16.
Dewatering apparatus. W. F. Bankauf and H. B. Fisher. 2,453,961, Nov. 16.
Diagnostic device, Medical. L. J. B. Gluzek. 2,453,841, Nov. 16.
Diagnostic instrument for examining the eye. W. N. Allyn. 2,453,887, Nov. 16.
Diamino thiadiazine derivatives. H. A. Walter. 2,454,262, Nov. 16.
Diaphragm control, Automatic. C. W. Armstrong, C. Sadowsky, and L. S. Hetherington. 2,453,693, Nov. 16.
Die set with feeding means. A. J. England. 2,454,143, Nov. 16.
Diplex transmission by combined frequency-amplitude modulation. C. J. Young. 2,453,773, Nov. 16.
Direction signaling system for automatic vehicles. G. H. Coulter. 2,453,702, Nov. 16.
Discharge device, Excessive potential. J. R. McFarlin. 2,453,719, Nov. 16.
Discharge device for producing electric oscillations, Electron. A. H. Rosenthal. 2,454,094, Nov. 16.
Discharge device of the magnetron type, Electric. R. J. Bondley. 2,454,031, Nov. 16.
Discharging rockets. C. D., A. J. and C. Schermuly. 2,454,096, Nov. 16.
Disk, Revolving polarized. R. A. Campbell. 2,453,698, Nov. 16.
Dispenser: *See*—
Ketchup dispenser.
Dispensing device, Liquid. F. W. Opitz. 2,453,856, Nov. 16.
Dispensing system, Gas. W. C. Buttner and H. L. Norway. 2,453,968, Nov. 16.
Display apparatus, Electrically illuminated. F. Waller and W. R. Dresser. 2,454,238, Nov. 16.
Display package, Flower and candy. R. Kysela. 2,453,920, Nov. 16.
Ditcher. R. A. and J. R. Palmer, and G. R. Smit. 2,453,723, Nov. 16.
Divider and the like with measuring scales. H. Friedmann. 2,454,050, Nov. 16.
Door: *See*—
Aircraft door. Refrigerator car door.
Door check. F. P. Angell. 2,453,956, Nov. 16.
Door check. E. H. Croskey and V. M. Hackman. 2,453,831, Nov. 16.
Draft connector. J. A. E. Madore. 2,453,998, Nov. 16.
Draft regulator. H. A. Eggert. 2,454,044, Nov. 16.
Drier: *See*—
Clothes drier.
Drill supporting and handling rig, Portable pneumatic. R. E. Lee. 2,453,995, Nov. 16.
Drilling machine. E. J. Tomek. 2,454,235, Nov. 16.
Drum-operating electric drive. O. G. Rutemiller. 2,454,212, Nov. 16.
Duct turns or vanes, Manufacture of. H. M. Marc. 2,454,074, Nov. 16.
Dumping vehicle. E. B. Snead. 2,454,101, Nov. 16.
Dust collector. W. O. Vedder. 2,453,951, Nov. 16.
Dustpan. W. E. Coats. 2,453,973, Nov. 16.
Easel, Photographic printing. F. V. Schleimer. 2,454,097, Nov. 16.
Ecclesiastical equipment. N. V. Casson. 2,453,892, Nov. 16.
Egg washer. W. J. Reading. 2,454,090, Nov. 16.
Electric motor. F. H. Gerlach and J. D. Miller, Jr. 2,454,155, Nov. 16.

Electric vehicle direction indicator. C. H. Phillips. 2,453,931, Nov. 16.
Electrical apparatus. F. D. Fielder. 2,454,147, Nov. 16.
Electrical conductance heater. L. R. Beath and H. S. Hill. 2,453,776, Nov. 16.
Electrical connector. H. E. Somes. 2,453,731, Nov. 16.
Electrical system. W. P. Boothroyd. 2,454,128, Nov. 16.
Electrode structure. D. E. Elmendorf. 2,453,978, Nov. 16.
Electrolytic oxidation of quinoline to quinolinic acid. J. B. Conn and J. van de Kamp. 2,453,701, Nov. 16.
Electronickel, Producing modified. L. S. Renzoni. 2,453,757, Nov. 16.
Emulsion adapted for coating textiles. F. G. La Piana and H. S. Bosland. 2,453,752, Nov. 16.
Enamel composition. C. J. Bartholomew. 2,454,123, Nov. 16.
Engine driven pump. R. Delzer. 2,454,138, Nov. 16.
Ethyl chloride, Making. H. W. Hill and E. L. Dance. 2,453,691, Nov. 16.
Exerciser. P. A. and P. White. 2,453,771, Nov. 16.
Extracting machine for laundry, Air propelled. C. O. Rasmussen. 2,453,727, Nov. 16.
Extracting machine, Wire core. E. S. y H. de Saracho. 2,454,010, Nov. 16.
Extractor: *See*—
Juice extractor.
Facing tool. F. G. and C. L. Livingston. 2,453,848, Nov. 16.
Facsimile recorder control circuit. B. F. Grib. 2,453,905, Nov. 16.
Fan, Engine cooling. G. N. Cole and C. R. Wells. 2,454,037, Nov. 16.
Fastener: *See*—
Rail fastener.
Rotatable separable fastener.
Fastener. S. T. Swidersky. 2,454,103, Nov. 16.
Fastening device for cables, wires, or the like. R. A. Hartman. 2,453,980, Nov. 16.
Feed mechanism for rapid-fire guns. P. H. Dixon. 2,453,876, Nov. 16.
Feeding device, Cartridge. J. O. Eames. 2,453,977, Nov. 16.
Ferrochrome process and product. L. F. Weitzenkorn and G. N. Goller. 2,454,020, Nov. 16.
Fibers, Drawing. W. R. Schlehr. 2,453,864, Nov. 16.
Fibrous batting, Multilayered. R. F. Hlavaty. 2,454,175, Nov. 16.
Figure base. L. K. Sandiovich. 2,454,095, Nov. 16.
Filter: *See*—
Rotary drum filter.
Filter. J. M. Besore. 2,454,030, Nov. 16.
Filter. S. W. Briggs. 2,454,033, Nov. 16.
Filter for sediment traps. R. F. Corwin. 2,453,895, Nov. 16.
Filtering device. L. Reichold. 2,454,205, Nov. 16.
Fitting for flexible hose. W. MacWilliam. 2,453,997, Nov. 16.
Flame-retarding material and making the same. J. A. Woodruff. 2,454,245, Nov. 16.
Flashing apparatus, Moving picture. E. N. Mollier. 2,454,080, Nov. 16.
Flask, Molder's. A. B. Castaguola. 2,453,893, Nov. 16.
Flexible pocket receptacle. D. J. Broughton. 2,453,780, Nov. 16.
Fluid clutch, governor controlled. W. H. Harstick. 2,453,791, Nov. 16.
Fluid coupling and friction clutch, Combination. G. R. Pennington. 2,453,811, Nov. 16.
Fluid heater. N. G. Gorean. 2,453,985, Nov. 16.
Fluid seal for shafts. H. Clayton-Wright. 2,454,036, Nov. 16.
Folder with picture frame and easel, Advertising. T. A. Graham. 2,453,902, Nov. 16.
Folding picnic table. J. Pierik. 2,454,202, Nov. 16.
4-cyano-2,5-dialkoxyacetoacetanilides. W. H. von Glahn and H. A. Bergstrom. 2,453,692, Nov. 16.
Frame and sash, Auxiliary. J. H. Kleintop. 2,453,992, Nov. 16.
Frame structure of dynamoelectric machines. F. J. Johns. 2,454,180, Nov. 16.
Frequency control, Automatic. G. Guanella. 2,453,988, Nov. 16.
Friction clutch. C. B. Spase. 2,453,945, Nov. 16.
Fuel regulating means for dual fuel engines. H. F. Shepherd. 2,454,222, Nov. 16.
Furfuryl alcohol-phenolic resins. A. P. Dunlop and E. A. Reineck. 2,453,704, Nov. 16.
Fuse, Time. R. H. Whitehead. 2,453,822, Nov. 16.
Game. W. G. Hare and C. B. Roebuck, Jr. 2,453,907, Nov. 16.
Garment. R. E. Richman. 2,454,208, Nov. 16.
Garment hanger support. J. P. Johnson and L. C. Teague. 2,453,919, Nov. 16.
Garment stand. W. O. Fought, Jr. 2,454,148, Nov. 16.
Garment steaming and drying apparatus. J. C. Shaw. 2,453,730, Nov. 16.
Gas bomb. J. H. Hammond, Jr. 2,453,842, Nov. 16.
Gastroscope. P. F. Salisbury. 2,453,862, Nov. 16.
Gauge: *See*—
Bore gauge. Cap strip gauge.
Gear: *See*—
Arresting gear.
Gelatino-silver halide photographic elements containing higher fatty alcohols. W. H. Dimsdale and K. J. Challis. 2,454,043, Nov. 16.
Generating system. T. J. Wilson. 2,453,885, Nov. 16.
Generator: *See*—
Saw-tooth voltage generator.
Generator ventilation, Dual. C. A. Atwell and E. O. Mueller. 2,454,120, Nov. 16.
Generator with pilot burner, Thermoelectric. H. T. Sparrow. 2,454,229, Nov. 16.
Golf game and instructional apparatus. H. C. Dunfee. 2,453,745, Nov. 16.
Grenade mine. L. K. Liljegren and J. W. Moseman, Jr. 2,453,715, Nov. 16.
Grinder, Valve seat. W. A. Kuhlman. 2,454,068, Nov. 16.
Grinding machine, Crankpin. E. D. La Fleur. 2,454,186, Nov. 16.
Gripping unit for mop shaking machines, Mop. C. Turnepseed. 2,453,948, Nov. 16.
Guide, Ram. H. Terhune. 2,453,875, Nov. 16.
Gum breaking machine. C. E. Melhorn. 2,453,805, Nov. 16.
Gun sight having a plurality of illuminated reticles. L. H. Brown. 2,453,697, Nov. 16.
Handle and hold-down bracket, Battery. W. F. Donkin. 2,453,835, Nov. 16.
Harvester, Vegetable. O. Lapointe. 2,453,714, Nov. 16.
Heat exchange apparatus. J. E. Mason and C. White. 2,453,718, Nov. 16.
Heat-sealing the seams of paper bags. A. M. Bojanower. 2,453,889, Nov. 16.
Heater. *See*—
Circulating gas heater. Fluid heater.
Electrical conductance heater. Radial flow forced-air heater.
Heater for livestock watering tanks. G. A. Rietz. 2,454,091, Nov. 16.
Heating apparatus, High-frequency induction. R. E. Cox. 2,454,039, Nov. 16.
Heating stacked bodies, Method of and apparatus for. J. Kniveton. 2,454,253, Nov. 16.
Heating system, Fireplace. H. T. Wright. 2,453,954, Nov. 16.
Heterocyclic nitrogen compounds, Purification of. J. W. Waldron. 2,454,019, Nov. 16.
Hitch, Trailer. A. Smit. 2,453,941, Nov. 16.
Holder: *See*—
Cosmetic holder. Portable wire reel holder.
Crayon holder. Soap holder.
Necktie holder. Welding electrode holder.
Photographic suction holder.
Holder for fastening attaching means. W. I. Jones. 2,453,990, Nov. 16.
Holder for illuminated decorative lighting devices, Heat and light concentrating. L. Barnett. 2,453,962, Nov. 16.
Holder for lipsticks and the like. C. W. Mellette. 2,453,754, Nov. 16.
Holder for thermionic valves and other electrical devices. G. Wagstaff. 2,454,018, Nov. 16.
Holder of plastic material for pocket combs and the like, Making. C. E. Maynard. 2,454,194, Nov. 16.
Holding apparatus with piston through which pressure fluid is passed. W. P. Cousino. 2,453,785, Nov. 16.
Hook: *See*—
Arresting hook.
Hopper, Cartridge orientating. J. H. Woodberry and F. W. Hoewischer. 2,453,736, Nov. 16.
Hot line jumper clamp. R. B. Schoonmaker. 2,453,761,
Housing for piezoelectric elements, Moistureproof. C. H. Wintermute. 2,454,244, Nov. 16.
Hydraulic brake. N. O. Myklestad. 2,453,808, Nov. 16.
Hydraulic clutch. A. F. Hickman. 2,453,981, Nov. 16.
Hydraulic hose coupling. C. W. Bopp. 2,453,741, Nov. 16.
Hydraulic lock. W. C. Oliver. 2,453,855, Nov. 16.
Hydraulic pump. A. F. O'Harah. 2,453,929, Nov. 16.
Hydraulic type log debarker having plural log-rotating chucks independently revolvable about a common axis. F. H. Swift. 2,453,947, Nov. 16.
Hydrocarbon synthesis. S. B. Sweetser. 2,453,874, Nov. 16.
Hydrocarbons, Separating. C. E. Morrell and M. W. Swaney. 2,453,853, Nov. 16.
Ice glider. P. and B. Anderson. 2,454,248, Nov. 16.
Image projection system. D. W. Epstein. 2,454,144, Nov. 16.
Incased drain plug. R. S. Stephenson. 2,453,820, Nov. 16.
Indicator: *See*—
Electric vehicle direction indicator.
Insert coil setting tool. K. B. Geertsema. 2,453,840, Nov. 16.
Internal-combustion rotary motor. C. E. Plummer. 2,454,006, Nov. 16.
Interrupting device, Circuit. E. F. Kohl. 2,454,067, Nov. 16.
Iron, Chair, and seat cushion therefor. A. C. Grunwald. 2,454,057, Nov. 16.
Isomerization and hydrogenation process, Combination. H. J. Hepp. 2,454,171, Nov. 16.

Joint: *See*—
Pipe joint. Tubing tool joint.
Joint for composite structural element. J. P. Jansen. 2,453,918, Nov. 16.
Juice extractor. L. Myers. 2,454,256, Nov. 16.
Juicer with hand reciprocated rotary reamer. J. Patrick. 2,454,085, Nov. 16.
Ketchup dispenser. P. Colaluca. 2,453,974, Nov. 16.
Knife rack. G. H. Lowell, Jr. 2,453,800, Nov. 16.
Knitting device, Pneumatic. M. Vitoux. 2,454,236, Nov. 16.
Lamp: *See*—
Circular electric lamp.
Lamp support. S. R. Browne. 2,453,967, Nov. 16.
Lathe. H. D. Chambliss. 2,453,744, Nov. 16.
Lathe for drilling, Tailstock. S. B. Wright. 2,453,825, Nov. 16.
Lawn mower and control mechanism therefor, Power. W. I. Smith. 2,453,819, Nov. 16.
Life jacket. R. E. Coombs and R. C. Hale. 2,453,700, Nov. 16.
Lifter: *See*—
Lug box lifter.
Lighter, Novelty. J. P. Kohut. 2,453,713, Nov. 16.
Lighting fixture. A. E. Wiedenhoeft. 2,454,243, Nov. 16.
Lighting set. B. A. Belling. 2,453,695, Nov. 16.
Lighting set, Electric. E. E. Mendonca. 2,453,925, Nov. 16.
Limiting system, Signal amplitude. G. J. C. Andresen. 2,453,958, Nov. 16.
Liquid controlling device, Thermostatic. H. B. Drapeau. 2,454,141, Nov. 16.
Liquid mixing valve. K. M. Newcomer. 2,453,809, Nov. 16.
Load moving machine. H. C. Perman. 2,453,755, Nov. 16.
Loading means, Truck. S. Smith. 2,453,943, Nov. 16.
Lock: *See*—
Hydraulic lock.
Locking means for adjustable back chairs. T. H. Van Buren. 2,453,879, Nov. 16.
Locomotive drive. W. A. Brecht. 2,454,131, Nov. 16.
Louver means for controlling air flow in refrigerators. C. P. De Carlo, Sr. 2,453,703, Nov. 16.
Lubricating compositions. L. A. Mikeska, A. R. Kittleson, and W. M. Smith. 2,453,850, Nov. 16.
Lubricating oils, Steam turbine. R. G. Mastin. 2,454,075, Nov. 16.
Lubricator head construction. L. R. Helm. 2,454,252, Nov. 16.
Lug box lifter. P. Weaver. 2,454,110, Nov. 16.
Machine for forming containers from flexible material. P. C. Elliott. 2,453,836, Nov. 16.
Machine gun. G. A. Chadwick and P. W. Burk. 2,453,830, Nov. 16.
Machines for cutting and polishing nonspherical or conical surfaces by means of abrasive band tools. S. and M. Clavé. 2,453,972, Nov. 16.
Magnetic clutch. J. E. Allen. 2,453,957, Nov. 16.
Magneto, Ignition. H. T. Heal. 2,453,910, Nov. 16.
Mask with adjustable supporting means for profile projectors. H. Boardman. 2,454,127, Nov. 16.
Mattress. M. D. Seeche. 2,454,220, Nov. 16.
Measuring apparatus, Standing-wave. D. Dettinger. 2,454,042, Nov. 16.
Measuring instrument, Electrical. A. J. Petzinger and R. V. Adams. 2,454,201, Nov. 16.
Mechanism for selective operation of a plurality of master cylinders. A. N. Milster. 2,453,852, Nov. 16.
Metal mercaptides of amino-aryl mercaptans, Preparation of. N. Stelger. 2,454,260, Nov. 16.
Metal surfaces, Protection of certain nonferrous. E. Snyder. 2,453,764, Nov. 16.
Meter pedestal. R. J. Teetsell. 2,453,734, Nov. 16.
Methylol melamine ethers and their manufacture. F. C. McGrew. 2,454,078, Nov. 16.
Millinery box. E. C. Mulnix. 2,454,196, Nov. 16.
Mold for concrete weight for iron pipe lines. G. W. McDearmon. 2,453,804, Nov. 16.
Mold for the manufacture of storage batteries. C. D. Galloway. 2,454,051, Nov. 16.
Molded impeller. K. Perkins. 2,454,200, Nov. 16.
Molding composition of polyvinyl aromatic compound. L. M. Debing. 2,454,250, Nov. 16.
Mooring device, Aircraft. H. H. Platt and W. L. Le Page. 2,453,857, Nov. 16.
Motor: *See*—
Electric motor. Two-speed single-phase motor.
Internal-combustion rotary motor.
Synchronous electric motor.
Motor brush holder connector. F. S. Stickney. 2,454,230, Nov. 16.
Motor control apparatus, Electric. S. G. Isserstedt. 2,453,917, Nov. 16.
Motor control system. A. F. Kenyon. 2,454,183, Nov. 16.
Motor control system, Plural electric. W. R. Harding. 2,454,166, Nov. 16.
Motor reversing control, Electric. J. E. Reilly. 2,454,206–7, Nov. 16.
Mounting: *See*—
Panel and trim mounting. Rubber mounting.
N'-acyl sulfanilamides, Preparation of. W. B. Tarpley, Jr., and A. I. Ryer. 2,454,104, Nov. 16.
Nail polish mask. N. D. Pettyjohn. 2,454,004, Nov. 16.
Navigational instrument. H. L. Reilly, F. H. Scrimshaw, and A. G. Bone. 2,454,007, Nov. 16.
Necktie. A. F. Taborski. 2,453,733, Nov. 16.
Necktie holder. V. T. Howard. 2,454,177, Nov. 16.
Nitration of alcohols. A. E. W. Smith, C. W. Scaife, and H. Baldock. 2,453,942, Nov. 16.
Oil composition, Grinding. E. C. Hughes and F. Veatch. 2,453,708–10, Nov. 16.
Oil-refining foldable pack. A. R. White. 2,453,952, Nov. 16.
Olefinic compounds, Polymerization of. L. Fallows and E. V. Mellers. 2,453,788, Nov. 16.
Operating mechanism for embossing machine keyboards, Record controlled. C. Chisholm. 2,453,781, Nov. 16.
Optical instrument for examining and measuring characteristics of the eye. W. N. Allyn. 2,453,888, Nov. 16.
Organic compounds and manufacture of phthalic anhydride, Oxidation of. S. B. Becker. 2,453,740, Nov. 16.
Organic peroxides, Stabilized. R. Kuoch and E. S. Shanley. 2,454,254, Nov. 16.
Organic sulfides, Preparing. C. T. Walling. 2,454,108, Nov. 16.
Oscillating system. P. F. Brown. 2,454,132, Nov. 16.
Oven, Cooking. F. H. Schneider. 2,453,939, Nov. 16.
Package opener and cigarette ejector, Improved cigarette. L. V. Bell. 2,453,777, Nov. 16.
Paddle means for spraying. W. H. Legge. 2,454,188, Nov. 16.
Panel and trim mounting. W. F. Johnson. 2,454,066, Nov. 16.
Peanut picker. D. F. Good. 2,454,156, Nov. 16.
Phosphate binder and preparing the same, Aluminum. H. H. Greger. 2,454,056, Nov. 16.
Photoelectric tube. M. Orlove. 2,453,810, Nov. 16.
Photographic border device. W. A. Boulais, Jr. 2,454,032, Nov. 16.
Photographic suction holder. S. N. Wekeman. 2,454,240, Nov. 16.
Photosetting coating composition, Preparation of. G. L. Wendt. 2,453,769–70, Nov. 16.
Physiologically active derivative of pyridoxine, and making the same. E. E. Snell. 2,453,944, Nov. 16.
Picture projecting pistol. M. A. Strumor. 2,454,233, Nov. 16.
Piezoelectric device for converting pressure variations into potential variations. W. H. Stigter. 2,454,264, Nov. 16.
Pipe joint. J. L. Merriam. 2,453,849, Nov. 16.
Pipe stand and container for smoking tobacco, Combined. R. Chemlinski. 2,453,971, Nov. 16.
Pipe union and check valve, Combined. F. R. Long. 2,454,072, Nov. 16.
Plastic-coated knitting needles, Producing. W. C. Bates. 2,453,739, Nov. 16.
Plate assembly, Storage battery. C. D. Galloway. 2,454,052, Nov. 16.
Platinum ruthenium alloy cannulae, Making seamless. G. M. Hickey and W. W. Matlack. 2,454,172, Nov. 16.
Pleating device. W. J. Houser. 2,454,176, Nov. 16.
Plug: *See*—
Incased drain plug.
Poacher, Egg. D. I. Gibb. 2,454,054, Nov. 16.
Polystyrene-chlorinated meta diphenyl benzene composition. J. R. Mares. 2,454,255, Nov. 16.
Polyvalent-metal hydrocarbon sulfonate, Producing. U. B. Bray. 2,453,690, Nov. 16.
Portable wire reel holder. L. Frontz. 2,453,979, Nov. 16.
Power element, Thermostatic. J. P. Miller. 2,453,851, Nov. 16.
Power input of electrical conductance heaters, Controlling. H. S. Hill and L. R. Beath. 2,454,174, Nov. 16.
Power output control, High-frequency. L. S. Lappin and R. P. Corporon. 2,453,994, Nov. 16.
Power plant and its working medium, with operation, Thermal. J. Ackeret. 2,453,886, Nov. 16.
Power plant, Thermal. K. Oechslin. 2,453,928, Nov. 16.
Power plant using hot air as motivating fluid, Turbine thermal. D. Schmidt. 2,453,938, Nov. 16.
Power transmission. T. Iavelli. 2,453,794, Nov. 16.
Pressure dressing, First-aid. J. L. Gallagher. 2,453,705, Nov. 16.
Pressure release. C. E. Burt. 2,453,891, Nov. 16.
Printing plate, Stereotype cylinder. G. A. Hiester. 2,454,170, Nov. 16.
Pulley block. H. B. Bercaw. 2,453,963, Nov. 16.
Pump: *See*—
Engine driven pump. Hydraulic pump.
Rack: *See*—
Knife rack.
Radial flow forced-air heater. F. R. Higley. 2,453,913, Nov. 16.
Rail fastener. R. E. Merrell. 2,454,079, Nov. 16.
Railway vehicle truck, Model. H. R. Howard. 2,453,915, Nov. 16.
Razor, Safety. G. F. Pinsuti. 2,453,756, Nov. 16.
Receptacle: *See*—
Flexible pocket receptacle.
Receptacle and fuse, Combination electric. P. Alemaghides. 2,454,024, Nov. 16.

Recognition system for pulse echo radio locators. G. M. Charrier. 2,453,970, Nov. 16.
Recorder, Job elapsed time. A. Amend, Jr., and G. C. Engel. 2,454,025, Nov. 16.
Recording apparatus, Facsimile. C. J. Young. 2,454,247, Nov. 16.
Reel and rake apparatus for combines. H. N. Irvine. 2,454,063, Nov. 16.
Refrigeration system. A. B. Newton. 2,454,263, Nov. 16.
Refrigerator car door. J. J. Hveem. 2,453,793, Nov. 16.
Regenerative repeater. W. T. Rea and J. R. Wilkerson. 2,454,089, Nov. 16.
Register, Cash. S. P. Midouhas. 2,454,000, Nov. 16.
Regulating system. E. L. Harder and E. I. Pollard. 2,454,165, Nov. 16.
Regulating system. H. M. Rustebakke and A. W. Kimball. 2,454,211, Nov. 16.
Regulator: *See*—
Draft regulator.
Relay. L. Hegy. 2,454,060, Nov. 16.
Relay system, Electrical. S. B. Hall. 2,454,161, Nov. 16.
Relaying system, Protective. E. L. Harder. 2,454,163, Nov. 16.
Remembrancer. J. L. Younghusband. 2,453,955, Nov. 16.
Remote-control apparatus, Radio. M. N. Yardeny. 2,454,022, Nov. 16.
Remote control for electric transmission systems. W. A. Derr. 2,454,140, Nov. 16.
Resistance unit for flashlights. E. A. Schmidt. 2,453,865, Nov. 16.
Resistance welding apparatus and jig therefor. W. N. Lurcott. 2,454,190, Nov. 16.
Resonator, Cavity. J. C. Schelleng. 2,453,760, Nov. 16.
Ring lock, cutter chain structure. C. J. Forbes. 2,453,898, Nov. 16.
Road map holder, including a rotatable roller. L. J. De Muth. 2,454,139, Nov. 16.
Rollers, Onion grading. R. D. Sheppard. 2,454,015, Nov. 16.
Rotary drum filter. A. L. Burleson. 2,454,134, Nov. 16.
Rotatable separable fastener. W. Shippee. 2,454,223, Nov. 16.
Rubber from goldenrod leaves, Obtaining. N. Porges, E. F. Pollard, and J. J. Spadaro. 2,453,858, Nov. 16.
Rubber mounting. G. H. Kaemmerling. 2,453,991, Nov. 16.
Rubber with dixanthic sulfides, Vulcanizing synthetic. D. J. Beaver. 2,453,689, Nov. 16.
Safety for self-loading firearms. H. E. Eklund. 2,453,897, Nov. 16.
Saw-tooth voltage generator. G. W. Downs, Jr. 2,453,787, Nov. 16.
Sawing machine, Swiveling reciprocating-saw. C. Gaines. 2,453,899, Nov. 16.
Scarfing machine. G. N. Albree. 2,454,114, Nov. 16.
Scooter, Motor. G. C. Fields. 2,454,046, Nov. 16.
Screen: *See*—
Vibratory screen.
Screen structure, Self-cleaning. R. O. Shadday. 2,454,259, Nov. 16.
Seat: *See*—
Child's toilet seat.
Securing means in a frame for interchangeable hand mirrors, Reinforced plastic. A. De Meo. 2,454,041, Nov. 16.
Selector mechanism. D. L. Herr. 2,453,911, Nov. 16.
Selenium rectifier and making same. C. S. Smith, Jr. 2,453,763, Nov. 16.
Self-synchronous system for reproducing motion or position. E. P. Rodemann. 2,453,815, Nov. 16.
Separator: *See*—
Battery plate separator.
Separator and homogenizer, Cream. J. B. McFadden. 2,453,924, Nov. 16.
Series filtration. E. T. Birsch and W. D. Silcox. 2,454,124, Nov. 16.
Service outlet, Electric. F. H. Seals. 2,454,221, Nov. 16.
Servo mechanism. S. Wald. 2,454,107, Nov. 16.
Sewing machine needles, Cooling and lubricating. A. Albero. 2,453,827, Nov. 16.
Sharpening device, Knife and scissors. E. W. Clark. 2,454,035, Nov. 16.
Sheet material, Inlaying. P. F. Skoog. 2,454,016, Nov. 16.
Shipping container. R. Paul and G. F. Sulfrian. 2,453,930, Nov. 16.
Shock absorber, Double-acting. L. Brown and L. Lacey. 2,453,966, Nov. 16.
Shoe with instep guard, Sandal type. E. L. Jordan. 2,454,181, Nov. 16.
Shopping bag with foldable, extensible top. F. F. Scherzinger. 2,454,013, Nov. 16.
Shutoff for tractors, Automatic. D. H. Claypool. 2,453,783, Nov. 16.
Sign: *See*—
Traffic or display sign.
Signal discharger, Hand. L. V. Whipple. 2,453,884, Nov. 16.
Signaling system and training device for target tracking. O. Cesareo. 2,453,743, Nov. 16.
Skate clamp. A. A. Tolotti. 2,453,876, Nov. 16.
Sled runner. M. O. Thompson. 2,453,767, Nov. 16.
Sleeve construction for plug gauges, Guide. W. Graves. 2,454,159, Nov. 16.
Slide rule, Sewer design. I. Goldfien. 2,454,157, Nov. 16.
Slushing compound for cartridge clips, Rust preventive. H. Schindler and P. T. Anderson. 2,453,816, Nov. 16.
Snap action mechanism adapted for operating valves of steam engines. W. Hungate. 2,453,844, Nov. 16.
Snap switch. L. J. Kmiecik. 2,454,185, Nov. 16.
Soap holder. J. J. Nemeth. 2,454,083, Nov. 16.
Socket construction, Electric. T. G. Lefler. 2,454,069, Nov. 16.
Socket for fluorescent tubes. C. E. Swanson. 2,454,017, Nov. 16.
Socket, Tube. W. M. Hicks. 2,454,173, Nov. 16.
Solution roller, Fountain. W. C. Toland and M. H. Hamilton. 2,453,735, Nov. 16.
Spinning apparatus. P. R. Powell. 2,454,203, Nov. 16.
Spinning artificial filaments, Method and apparatus for. W. H. Furness. 2,453,839, Nov. 16.
Spinning machine. D. W. Maxham. 2,453,802, Nov. 16
Spur. G. N. Smith. 2,454,228, Nov. 16.
Stage refrigeration, Multiple. B. S. Williams. 2,453,823, Nov. 16.
Stand: *See*—
Garment stand.
Stand for Christmas trees and the like. R. L. Stoick. 2,454,231, Nov. 16.
Starting relay, Induction motor. R. E. Prouty, R. E. Bish, and R. L. Adams. 2,453,726, Nov. 16.
Steaming and drying apparatus, Garment. J. C. Shaw. 2,453,730, Nov. 16.
Steaming or ageing machine, Textile C. Jellinek. 2,453,796, Nov. 16.
Steering apparatus, Automatic. L. A. Trofimov. 2,453,878, Nov. 16.
Storage batteries, Charging. A. Arvidsson. 2,453,960, Nov. 16.
Storage batteries, Manufacture of. C. D. Galloway. 2,454,053, Nov. 16.
Stove or range, Electric. T. E. Dadson 2,453,832, Nov. 16.
Straps for brassières, Supporting. J. Glick. 2,454,154, Nov. 16.
Strip perforating apparatus. C. Chisholm. 2,453,782, Nov. 16.
Sulfur-containing phthalocyanine dyestuffs, Preparing. C. Wood. 2,453,953, Nov. 16.
Sulfurized lubricating composition, Preparing. D. P. Clark, Jr. 2,454,034, Nov. 16.
Support: *See*—
Garment hanger support. Switch box support.
Lamp support.
Support and switch, Lamp. E. F. Arntzen. 2,453,694, Nov. 16.
Support for spin basket for clothes-washing machines and the like. T. T. Woodson. 2,454,112, Nov. 16.
Surface covering material. F. Washburn. 2,454,239, Nov. 16.
Surfacing runner. J. M. Fisher and M. M. Eakins. 2,453,748, Nov. 16.
Surgical appliance for treating jaw and other facial bone fractures. J. L. Preston. 2,453,934, Nov. 16.
Suspension means for cooling units. E. O. Sears. 2,454,012, Nov. 16.
Switch: *See*—
Snap switch.
Switch box support. E. B. Atkinson. 2,454,119, Nov. 16.
Synchronous electric motor. E. D. Bacon. 2,454,026, Nov. 16.
Synthetic resin and members produced therefrom. R. H. Runk and R. D. Jerabek. 2,454,210, Nov. 16.
Syringe, Pediatric. F. T. Roberts. 2,453,814, Nov. 16.
Table: *See*—
Abrasive blast table. Folding picnic table.
Table and chair, Combination. R. S. Athey. 2,454,118, Nov. 16.
Table apparatus for use in servicing trucks and wheels of railway vehicles, Drop. A. W. Skinner. 2,454,226, Nov. 16.
Tank circuits, High-frequency. F. B. Llewellyn. 2,453,716, Nov. 16.
Tape slitting machine. L. E. Pamphilon. 2,454,003, Nov. 16.
Tapered union for concentric conductor lines. A. L. Robinson. 2,453,759, Nov. 16.
Tax computing device. M. J. Harwood. 2,453,909, Nov. 16.
Terminal attachment for crutches and the like. H. B. Bowen and A. M. Vineberg. 2,453,742, Nov. 16.
Testing apparatus for insulated electric cables and wire, Spark. J. H. Savage. 2,454,011, Nov. 16.
Thermally insulated container with radiation shield and energy absorber. G. F. Sulfrian. 2,453,946, Nov. 16.
Thiophan derivative, Manufacture of. O. Schnider and A. Grüssner. 2,454,217, Nov. 16.
Thread milling mechanism, Internal. S. M. Ransome. 2,454,087, Nov. 16.
Thread, Production of. C. E. Gardner. 2,453,984, Nov. 16.
Tightener, Strap. L. B. Stevens. 2,453,821, Nov. 16.
Timing circuit. E. C. Hartwig. 2,454,168, Nov. 16.
Titanium, Treatment of. R. S. Dean. 2,453,896, Nov. 16.
Tobacco pouch and cigarette rolling device, Combined. M. J. Kehoe. 2,453,846, Nov. 16.

Tool: *See*—
Crankshaft dressing tool. Upholsterer's application tool.
Facing tool.
Insert coil setting tool.
Toolholder. J. E. Moss. 2,453,722, Nov. 16.
Toolholder assembly. D. S. Anthony and W. B. Blocker. 2,453,959, Nov. 16.
Tool holder for artificial arms. F. W. Raillson. 2,453,936, Nov. 16.
Torpedo. L. J. Barry and W. S. Hegamyer. 2,453,828, Nov. 16.
Torque converter, including multiple energizing and energy absorbing elements, Fluid. J. Jandasek. 2,453,795, Nov. 16.
Torque converter of the converter coupling type, Hydraulic. H. H. Trail. 2,453,877, Nov. 16.
Toy, Magnetic reflective. A. L. Bewley. 2,453,965, Nov. 16.
Track mechanism, Endless. I. A. Kamlockhine. 2,453,750, Nov. 16.
Traction increasing device for dual wheel vehicles. E. P. Pietch. 2,454,005, Nov. 16.
Tractor, Two-wheel. R. G. Le Tourneau. 2,454,070, Nov. 16.
Traffic or display sign. J. J. Hammer. 2,454,162, Nov. 16.
Traffic protection apparatus. J. H. Broadbent. 2,454,249, Nov. 16.
Transfer system, Bus. E. B. Ankenman. 2,454,117, Nov. 16.
Transferring measured quantities of liquefied gas, Process and apparatus for. R. M. Thayer. 2,453,766, Nov. 16.
Transmission. F. W. Seybold. 2,454,014, Nov. 16.
Transmitter, Variable test. J. A. Spencer. 2,453,871, Nov. 16.
Transponder for testing radar devices. M. A. Schultz and R. E. Bertine. 2,454,219, Nov. 16.
Tray for heat-treating furnaces, Flexible work. H. F. Jackson. 2,453,845, Nov. 16.
Tripod. G. Shaikhauser. 2,453,817, Nov. 16.
Tube: *See*—
Cathode-ray tube. Photoelectric tube.
Tubing tool joint. R. M. Claypool and D. M. Best. 2,454,137, Nov. 16.
Tubocurare purification. F. A. Steldt. 2,453,873, Nov. 16.
Turbine blading. R. C. Allen. 2,454,115, Nov. 16.
Turpentine, Purification of. M. P. Kleinholz. 2,453,712, Nov. 16.
Twinemaking machine. H. Flater. 2,453,789, Nov. 16.
2-Ethyl-hexyl, N-octadecyl tetrachlorophthalamidate and insecticidal compositions containing the same. M. L. Hill and H. G. Smith. 2,454,061, Nov. 16.
Two-speed single-phase motor. T. E. M. Carville. 2,454,136, Nov. 16.
Umbrella. S. J. Heaney. 2,454,059, Nov. 16.
Upholsterer's application tool. E. J. Stauffer. 2,453,872, Nov. 16.
Urea-formaldehyde-alkyd insulating composition. C. B. Leupe and F. A. Sattler. 2,454,187, Nov. 16.
Valve: *See*—
Corrosion resisting valve. Liquid mixing valve.
Valve. N. S. McEwen. 2,454,077, Nov. 16.
Vapor electric device. J. L. Boyer and R. J. Ballard. 2,454,129, Nov. 16.
Vegetable cutter. A. G. Wahl. 2,454,237, Nov. 16.
Vehicle: *See*—
Dumping vehicle.
Vibratory screen. J. L. Wettlaufer. 2,453,883, Nov. 16.
Vinyl chloride-vinylidene chloride copolymers with phenol formaldehyde resins, Modifying. T. H. Rogers, Jr., and R. D. Vickers. 2,454,209, Nov. 16.
Violin bridge. W. J. Ake. 2,454,113, Nov. 16.
Washing machine, Automatic. G. C. Graham. 2,453,707, Nov. 16.
Waste sulfite liquor with recovery of sulfur dioxide, Concentrating. L. R. Beath and H. S. Hill. 2,453,775, Nov. 16.
Water treatment to prevent embrittlement cracking. W. C. Schroeder and A. A. Berk. 2,454,258, Nov. 16.
Wax, Refining of. P. L. Polizzotto and P. S. Backlund. 2,453,933, Nov. 16.
Wear accessory. P. Marx and A. Abraham. 2,454,076, Nov. 16.
Weaving machine. G. E. Ezbelent. 2,454,146, Nov. 16.
Web splicing device. O. C. Roesen. 2,454,093, Nov. 16.
Weeds, Prevention and destruction of. W. A. Sexton, R. E. Slade, and W. G. Templeman. 2,453,983, Nov. 16.
Welding device. H. J. van den Berge and H. P. Hubee. 2,453,950, Nov. 16.
Welding electrode holder. W. Tinnell. 2,453,768, Nov. 16.
Wheel: *See*—
Cutoff wheel.
Wheel and tire locking device. G. H. Duvall, Jr. 2,453,746, Nov. 16.
Wheel drive control, Handle bar tractor. G. Melling. 2,453,999, Nov. 16.
Wheel scraper. N. A. Paluck. 2,454,002, Nov. 16.
Wheel structure, Adjustable. A. W. Braun. 2,454,130, Nov. 16.
Whistle, Multitone. J. Thompson. 2,454,105, Nov. 16.
Wire-cutting apparatus. A. Wennerberg. 2,454,241, Nov. 16.
Wrench and screw-driver, Compound. R. R. and F. R. Gonsett. 2,453,901, Nov. 16.
Wrench for flanges, Double-acting. D. Baeza. 2,454,027, Nov. 16.
Writing instrument, Ball-point. R. W. Randolph. 2,454,086, Nov. 16.
X-ray apparatus. G. Kloos. 2,453,798, Nov. 16.
Zinc, Electrolytic recovery of. J. T. Ellsworth. 2,454,142, Nov. 16.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 16, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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Des. 97,242, H. Rubenstein, Souvenir key, D. C., S. D. N. Y., Doc. 10/347, *Goldfarb Novelty Co.* v. *North American Products.* Dismissed for lack of prosecution June 21, 1943.

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Des. 131,392, S. Kuznetz, Dress ensemble, D. C., S. D. N. Y., Doc. 22/523, *Lipman Bros.* v. *Peerless Tailored Dresses, Inc.* Stipulation discontinuing action Mar. 22, 1944. Doc. 19/589, *Lipman Bros.* v. *Gladdy Colleen, Inc.* Decree as above Jan. 24, 1944.

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C. E. HAGLUND,
October 22, 1948. *Executive Officer.*

Adjudicated Patents

(C. C. A. III.) Gillies patent, No. 1,903,106, for waterproof heat insulating tape, claim 8 *Held* invalid and not infringed. *Union Asbestos & Rubber Co.* v. *Gustin-Bacon Mfg. Co.*, 169 F.2d 686; 78 USPQ 238.

(C. C. A. III.) Gillies patent, No. 2,070,861, for waterproof insulating material, claim 4 *Held* invalid. *Id.*

(C. C. A. III.) Gossen patent, No. 2,158,963, for weatherstrip and sash balance, claims 1 and 2 *Held* invalid. *Master Metal Strip Service* v. *Protex Weatherstrip Mfg. Co.*, 169 F.2d 700; 78 USPQ 119.

(D. C. III.) Falkenberg patent, No. 2,409,425, for drapery mounting, claims 14 and 15 *Held* invalid. *Falkenberg* v. *Bernard Edward Co.*, 79 F. Supp. 417; 79 USPQ 28.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,410,536, Anton Vonnegut, Expansible wheel, decided Oct. 15, 1948, claim 2.

Pat. 2,412,797, Martin Berliner, Method of machining metal, decided Oct. 21, 1948, claims 1, 2, and 3.

Disclaimers

Re. No. 22,399.—*Martin E. Fonken*, Beloit, Wis. APPARATUS FOR MAKING CINNAMON ROLLS OR THE LIKE. Patent dated Dec. 7, 1943. Disclaimer filed Oct. 16, 1948, by the assignee, *Interstate Bakeries Corporation.*

Hereby enters this disclaimer to claims 1 to 12 of said patent.

2,194,585.—*Karl Brenkert*, Detroit, Mich. MOTION PICTURE PROJECTOR. Patent dated Mar. 26, 1940. Disclaimer filed Oct. 21, 1948, by the assignee, *American Pattern & Manufacturing Co.*

Hereby enters this disclaimer of claims 1 and 2 of said patent.

2,383,774.—*Morris Cohen*, Kansas City, Mo., and *Duard W. Enoch*, *George Hasty*, and *Gerald A. Jorgenson*, Chicago, Ill. MEANS FOR TREATING DOUGH. Patent dated Aug. 28, 1945. Disclaimer filed Oct. 16, 1948, by the assignee, *Interstate Bakeries Corporation.*

Hereby enters this disclaimer to claim 7 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

General Aniline & Film Corporation has placed more than 3,000 patents on the Register of Patents as being available for licensing. The patents are grouped in five sections. The following patents (Reg. Nos. 11,955 through 12,502) are the balance of Section 1, relating to Dyestuffs and Intermediates, Group 28—22—82—89, and Section 2, relating to Textile Assistants, Detergents, Water-Softeners and Other Surface-Active Agents, Group 28—81—89. Inquiries concerning these patents should be addressed to the Patent Department, General Aniline & Film Corporation, 247 Park Ave., New York 17, N. Y.

SECTION 1—Continued

Pat. 2,155,328. Condensation Products and a Process of Preparing Them. Apr. 18, 1939.

Pat. 2,155,447. Polymethine Dyestuffs and a Process of Making Same. Apr. 25, 1939.

Pat. 2,155,459. Polymethine Dyestuffs and a Process of Making Same. Apr. 25, 1939.

Pat. 2,156,069. Process of Dyeing Artificial Textile Materials from Cellulose Derivatives. Apr. 25, 1939.

Pat. 2,156,446. Production of Azo Dyestuffs. May 2, 1939.

Pat. 2,156,731. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. May 2, 1939.

Pat. 2,156,887. Dyestuffs of the Anthraquinone Series. May 2, 1939.

Pat. 2,157,725. Azo Dyestuffs. May 9, 1939.

Pat. 2,157,796. Intermediates for Water-Insoluble Azo Dyestuffs. May 9, 1939.

Pat. 2,157,797. Intermediates for Water-Insoluble Azo Dyestuffs. May 9, 1939.

Pat. 2,157,876. Polyazo Dyestuffs. May 9, 1939.

Pat. 2,157,877. Polyazo Dyestuffs. May 9, 1939.

Pat. 2,157,991. Preparation of Vat Dyestuffs of the Anthraquinone Series. May 9, 1939.

Pat. 2,158,296. Condensation Products of the Perylene Series. May 16, 1939.

Pat. 2,158,526. Partially Hydrogenated Heterocyclic Nitrogen Compounds Substituted by the Aldehyde Group and a Process of Making Same. May 16, 1939.

Pat. 2,158,648. Nitro Derivatives of Para Alkyl Sulphoxides of Diphenylamines. May 16, 1939.

Pat. 2,158,843. Azo Dyestuffs. May 16, 1939.

Pat. 2,159,381. Washing Composition. May 23, 1939.

Pat. 2,159,506. Anthraquinone Dyestuffs Capable of Being Chromed. May 23, 1939.

Pat. 2,159,605. Monoarylides of Aromatic Dicarboxylic Acid Halides. May 23, 1939.

Pat. 2,160,119. Pigment Pastes. May 30, 1939.

Pat. 2,161,400. Vat Dyestuffs of the 2-Naphthalene-2'-Indolindigo Series and Process of Making Same. June 6, 1939.

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Pat. 2,161,622. Water-Insoluble Azo Dyestuffs. June 6, 1939.

Pat. 2,161,697. Hydroxybenzocarbazole Compounds. June 6, 1939.

Pat. 2,163,073. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. June 20, 1939.

Pat. 2,163,074. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. June 20, 1939.

Pat. 2,163,251. Azo Dyestuffs. June 20, 1939.

Pat. 2,163,950. Aza Compounds of High Molecular Weight. June 27, 1939.

Pat. 2,164,008. Monoazo Dyestuffs Soluble in Water. June 27, 1939.

Pat. 2,164,767. Chromiferous Dyestuffs and Processes of Preparing Them. July 4, 1939.

Pat. 2,164,781. Amino-Carboxylic Acids and a Process of Preparing Them. July 4, 1939.

Pat. 2,164,793. Polymethine Dyestuffs. July 4, 1939.

Pat. 2,168,174. Vat Dyestuffs of the Anthraquinone Series. Aug. 1, 1939.

Pat. 2,168,571. Metal Containing Trisazo Dyes. Aug. 8, 1939.

Pat. 2,168,576. Process of Coloring Plastic Masses. Aug. 8, 1939.

Pat. 2,168,800. Diazoamino Compounds Soluble in Water and Process of Preparing Them. Aug. 8, 1939.

Pat. 2,168,947. Dyestuffs of the Anthraquinone Series. Aug. 8, 1939.

Pat. 2,169,970. Disazo Dyestuffs. Aug. 15, 1939.

Pat. 2,172,572. 3-Hydroxy-Diphenylene Oxides and Process of Preparing Them. Sept. 12, 1939.

Pat. 2,172,691. Azo Dyestuffs. Sept. 12, 1939.

Pat. 2,172,712. Azo Dyestuffs. Sept. 12, 1939.

Pat. 2,173,324. Diazoamino Compound. Sept. 19, 1939.

Pat. 2,174,072. Dyestuffs of the Anthraquinoneoxazole Series. Sept. 26, 1939.

Pat. 2,174,182. Vat Dyestuffs of the Phthaloyl-Carbazole Series Containing Trifluoromethyl Groups. Sept. 26, 1939.

Pat. 2,174,245. Compounds of the Anthraquinone Series. Sept. 26, 1939.

Pat. 2,174,751. Naphthindenones. Oct. 3, 1939.

Pat. 2,174,823. Valuable Chromiferous Dyestuffs and a Process of Preparing Them. Oct. 3, 1939.

Pat. 2,175,168. Chromable Dyestuffs of the Triarylmethane Series. Oct. 10, 1939.

Pat. 2,175,187. Azo Dyestuffs Containing a Heavy Metal in a Complex Form. Oct. 10, 1939.

Pat. 2,175,552. Copper Complex Compounds of Polyazo Dyestuffs of the Stilbene Series. Oct. 10, 1939.

Pat. 2,175,716. Chromable Dyestuffs of the Triarylmethane Series and Process of Preparing Them. Oct. 10, 1939.

Pat. 2,175,794. Azo Dyestuffs Soluble in Water. Oct. 10, 1939.

Pat. 2,175,795. Monoazo Dyestuffs Soluble in Water. Oct. 10, 1939.

Pat. 2,175,796. Monoazo Dyestuffs Soluble in Water. Oct. 10, 1939.

Pat. 2,175,803. Vat Dyestuffs of the Anthraquinone Series. Oct. 10, 1939.

Pat. 2,175,806. Process of Producing Water-Insoluble Azo Dyestuffs on the Fiber and Dyeing Preparations Therefor. Oct. 10, 1939.

Pat. 2,175,807. Solid Diazonium Salts. Oct. 10, 1939.

Pat. 2,175,815. Copper Complex Compounds of Disazo Dyestuffs of the Stilbene Series. Oct. 10, 1939.

Pat. 2,176,413. 1.3-Diazo-Anthraquinones. Oct. 17, 1939.

Pat. 2,176,420. Nitrodyestuff of the Azine Series. Oct. 17, 1939.

Pat. 2,176,421. Compounds of the Coeranthrene and Coerbianthrene Series. Oct. 17, 1939.

Pat. 2,176,430. Vat-Dyestuffs of the Anthraquinone Series. Oct. 17, 1939.

Pat. 2,176,437. Dyestuffs of the Anthraquinone Series. Oct. 17, 1939.

Pat. 2,176,443. Vat Dyestuffs of the Dipyrazolanthrone Series. Oct. 17, 1939.

Pat. 2,176,853. Azo Dyestuffs Soluble in Water. Oct. 17, 1939.

Pat. 2,177,113. Dyestuffs of the Diphenylamine Series. Oct. 24, 1939.

Pat. 2,178,521. Process of Producing Compounds of the Perylene Series. Oct. 31, 1939.

Pat. 2,178,793. Dyestuffs of the Naphthophenosafranine Series. Nov. 7, 1939.

Pat. 2,179,895. Dyestuffs of the Methine Series. Nov. 14, 1939.

Pat. 2,180,297. Water-Insoluble Azo Dyestuffs and Fiber Dyed Therewith. Nov. 14, 1939.

Pat. 2,180,419. Vat Dyestuffs of the Anthraquinone-Acridone Series. Nov. 21, 1939.

Pat. 2,180,772. Trifluoromethyl Benzaldehydes. Nov. 21, 1939.

Pat. 2,181,051. Monoazo Dyestuffs. Nov. 21, 1939.

Pat. 2,181,057. Azo Dyestuffs. Nov. 21, 1939.

Pat. 2,181,554. Benzenecarboxylic Acid Fluorides Containing Trifluoromethyl Groups and Process of Preparing Them. Nov. 28, 1939.

Pat. 2,182,055. Azo Dyestuff Heavy Metal Complex Compounds. Dec. 5, 1939.

Pat. 2,182,763. Process of Producing Phthalocyanine Dyestuffs. Dec. 5, 1939.

Pat. 2,183,237. Chromable Dyestuffs of the Triarylmethane Series. Dec. 12, 1939.

Pat. 2,183,489. Monoazo Dyestuffs. Dec. 12, 1939.

Pat. 2,183,856. Condensation Products of Hydrolized Protein Material and Their Manufacture. Dec. 19, 1939.

Pat. 2,183,870. Dyestuffs of the Naphthalene Series. Dec. 19, 1939.

Pat. 2,183,871. Dyestuffs of the Naphthalene Series. Dec. 19, 1939.

Pat. 2,183,873. Vat Dyestuffs of the Anthraquinone Series. Dec. 19, 1939.

Pat. 2,184,948. Acid Wool Dyestuffs. Dec. 26, 1939.

Pat. 2,185,140. Dyestuffs of the Anthraquinone Benzacridone Series. Dec. 26, 1939.

Pat. 2,185,661. Substituted 3-Aminopyrenes and Process of Preparing Them. Jan. 2, 1940.

Pat. 2,186,226. Azo Dyestuffs Insoluble in Water. Jan. 9, 1940.

Pat. 2,186,274. Acyl-Acetic Arylides Having Substantive Properties. Jan. 9, 1940.

Pat. 2,186,389. Vat Dyestuffs and Their Leuco Esters. Jan. 9, 1940.

Pat. 2,186,894. Treating Fibrous Materials. Jan. 9, 1940.

Pat. 2,187,328. Para-Secondary Alkylaminobenzaldehydes and Process of Making Them. Jan. 16, 1940.

Pat. 2,187,812. Vat Dyestuff of the Quinazoline Series. Jan. 23, 1940.

Pat. 2,187,813. Vat Dyestuff of the Phthaloyl Quinazoline Series. Jan. 23, 1940.

Pat. 2,187,815. Process for Effecting Carbazole Ring Formation of Compounds of the Anthraquinone Series. Jan. 23, 1940.

Pat. 2,187,816. Salt of Phthalocyanine Sulphonic Acid. Jan. 23, 1940.

Pat. 2,187,819. High-Molecular Organic Compound. Jan. 23, 1940.

Pat. 2,187,853. Dyestuff-Sulphonic Acids of the Dioxazine Series. Jan. 23, 1940.

Pat. 2,188,102. Sulphur Dyestuffs. Jan. 23, 1940.

Pat. 2,188,103. Condensation Products of the Anthraquinone Series. Jan. 23, 1940.

Pat. 2,188,104. Condensation Products of the Anthraquinone Series. Jan. 23, 1940.

Pat. 2,188,287. Wetting Agent for Alkaline Mercerizing Solutions. Jan. 23, 1940.

Pat. 2,188,774. Leather Dyed with Monoazo Dyestuffs. Jan. 30, 1940.

Pat. 2,189,262. Azo Dyestuffs. Feb. 6, 1940.

Pat. 2,189,367. Ortho-Hydroxycarboxylic Acids of the Diphenylene Series. Feb. 6, 1940.

Pat. 2,189,509. Acid Wool Dyestuffs of the Anthraquinone Series. Feb. 6, 1940.

Pat. 2,190,172. Azo Dyestuffs. Feb. 13, 1940.

Pat. 2,190,732. Manufacture of Diaminodiarylketones and Product Thereof. Feb. 20, 1940.

Pat. 2,190,746. Water Soluble Naphthol Compounds and the Process of Preparing Same. Feb. 20, 1940.

Pat. 2,190,747. Water Soluble Naphthol Compounds and the Process of Preparing Same. Feb. 20, 1940.

Pat. 2,190,750. Polyazo Dyestuffs. Feb. 20, 1940.

Pat. 2,190,751. Vat Dyestuffs of the Anthraquinone Series. Feb. 20, 1940.

Pat. 2,190,848. Dyeings. Feb. 20, 1940.

Pat. 2,191,062. Ortho- and Para-Nitrophenyl-Trifluoromethyl-sulphoxides, Oxidation Products Thereof, and Process of Preparing the Same. Feb. 20, 1940.

Pat. 2,191,103. Azo Dyestuffs Insoluble in Water. Feb. 20, 1940.

Pat. 2,191,114. Condensation Product of the Perylene Series. Feb. 20, 1940.

Pat. 2,191,674. Basic Triarylmethane Dyes. Feb. 27, 1940.

Pat. 2,191,685. Process for Producing Nitrogenous Condensation Products of the Anthrone Series. Feb. 27, 1940.

Pat. 2,191,823. Azo Dyestuffs. Feb. 27, 1940.

Pat. 2,191,824. Manufacturing of Azo Dyestuffs and Process of Dyeing Textile Materials Therewith. Feb. 27, 1940.

Pat. 2,191,855. N-Dihydro-Azine Compounds of the Anthraquinone Series and a Process of Preparing Them. Feb. 27, 1940.

Pat. 2,192,118. Acid Diamino-Triphenyl-Methane Dyestuffs. Feb. 27, 1940.

Pat. 2,192,127. Process of Producing Fast Dyeings. Feb. 27, 1940.

Pat. 2,192,153. Azo Dyestuffs. Feb. 27, 1940.

Pat. 2,193,151. Acid Wool Dyestuffs of the Anthraquinone Series. Mar. 12, 1940.

Pat. 2,193,173. Bleaching of Cellulose Fibers in Peroxide Baths. Mar. 12, 1940.

Pat. 2,193,228. Copper Containing Azo Dyestuffs. Mar. 12, 1940.

Pat. 2,193,438. Azo Dyestuffs. Mar. 12, 1940.

Pat. 2,193,676. Water-Insoluble Azo Dyestuffs. Mar. 12, 1940.

Pat. 2,193,677. Ortho-Hydroxy Carboxylic Acids. Mar. 12, 1940.

Pat. 2,193,678. Arylamide. Mar. 12, 1940.

Pat. 2,194,399. Tetrahydroquinoline Derivative. Mar. 19, 1940.

Pat. 2,194,857. Polyazo Dyestuffs Containing Metal. Mar. 26, 1940.

Pat. 2,195,067. Wool Dyestuffs of the Anthraquinone Series. Mar. 26, 1940.

Pat. 2,195,076. Process of Replacing Halogen in Cyclic Halogen Compounds and Product Thereof. Mar. 26, 1940.

Pat. 2,195,089. Polyazo Dyestuffs. Mar. 26, 1940.

Pat. 2,195,440. After-Chromable Acid Dyestuffs of the Triphenylmethane Series. Apr. 2, 1940.

Pat. 2,195,443. Disazo Dyes. Apr. 2, 1940.

Pat. 2,195,462. Compounds of the Anthraquinone Series. Apr. 2, 1940.

Pat. 2,195,463. Compounds of the Anthraquinone Series. Apr. 2, 1940.

Pat. 2,196,015. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Apr. 2, 1940.

Pat. 2,196,028. Azo Dyestuffs. Apr. 2, 1940.

Pat. 2,196,162. Polymethane Dyestuffs. Apr. 2, 1940.

Pat. 2,197,044. Vat Dyestuffs. Apr. 16, 1940.

Pat. 2,197,045. Vat Dyestuffs. Apr. 16, 1940.

Pat. 2,197,350. Copper Complex Compounds of Polyazo Dyestuffs. Apr. 16, 1940.

Pat. 2,197,846. Acid Pyronine Dyestuffs. Apr. 23, 1940.

Pat. 2,197,860. Phthalocyanine Dyestuffs. Apr. 23, 1940.

Pat. 2,198,050. Conversion Products of Pyrene. Apr. 23, 1940.

Pat. 2,198,298. Acid Dyestuffs and a Process of Preparing Them. Apr. 23, 1940.

Pat. 2,198,468. Triarylmethane Dyestuffs Capable of Being Chromed. Apr. 23, 1940.

Pat. 2,198,701. Production of New Azo Dyestuffs Containing Chromium. Apr. 30, 1940.

Pat. 2,198,967. Condensation Products of Pyrene. Apr. 30, 1940.

Pat. 2,199,566. Vat Dyestuffs of the Naphthindenone Series. May 7, 1940.

Pat. 2,199,567. Vat Dyestuffs of the Peri-Naphthindenone Series. May 7, 1940.

Pat. 2,199,568. Manufacture of 1-Methyl-4-Chloro-5-Hydroxynaphthalene-1'-Sulfonic Acid. May 7, 1940.

Pat. 2,199,575. Benzanthrone Derivatives. May 7, 1940.

Pat. 2,199,577. Triarylmethane Dyestuffs. May 7, 1940.

Pat. 2,199,813. Aminoanthraquinones. May 7, 1940.

Pat. 2,199,814. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. May 7, 1940.

Pat. 2,200,040. Azo Dyestuffs. May 7, 1940.

Pat. 2,200,324. Vat Dyestuffs of the Anthraquinone Series. May 14, 1940.

Pat. 2,200,343. Process for the Dyeing and Printing of Acetate Artificial Silk. May 14, 1940.

Pat. 2,200,445. Azo Dyestuffs Containing a Heavy Metal in a Complex Form. May 14, 1940.

Pat. 2,200,689. Dyestuffs of the Pyrazinocyanine Series and Process of Making Them. May 14, 1940.

Pat. 2,200,938. Dyestuffs of the Triarylmethane Series. May 14, 1940.

Pat. 2,200,957. Anthrachrysone-2, 6-Dialdehyde and a Process of Preparing the Same. May 14, 1940.

Pat. 2,201,648. Monoazo Dyestuffs Insoluble in Water. May 21, 1940.

Pat. 2,202,037. Acid Indolyldiphenylmethane Dyestuff. May 28, 1940.

Pat. 2,202,038. Acid Green Indolyldiphenylmethane Dyestuff. May 28, 1940.

Pat. 2,202,040. Sulphur Dyestuff Derived from Indophenols. May 28, 1940.

Pat. 2,202,057. Producing Transparent Colors in Lacquers. May 28, 1940.

Pat. 2,203,038. Water-Insoluble Azo Dyestuffs and Fiber Dyed Therewith. June 4, 1940.

Pat. 2,203,305. Process of Dyeing. June 4, 1940.

Pat. 2,203,818. Azo Dyestuffs. June 11, 1940.

Pat. 2,204,201. Acid Dyestuffs of the Indolyldiphenyl-Methane Series. June 11, 1940.

Pat. 2,204,232. Vat Dyestuffs of the Anthraquinone-Acridone Series. June 11, 1940.

Pat. 2,204,958. Monoazo Dyestuffs Insoluble in Water. June 18, 1940.

Pat. 2,204,960. 3'-Halogen-Benzoyl-2-Benzoic Acid-4'-Sulphonic Acids and Process of Making the Same. June 18, 1940.

Pat. 2,205,408. Fluorescent Hydrocarbon Oil. June 25, 1940.

Pat. 2,205,481. Monoazo Dyestuffs. June 25, 1940.

Pat. 2,205,763. Polynuclear Condensation Products and Their Production. June 25, 1940.

Pat. 2,205,848. Monoazo Dyestuffs Soluble in Water. June 25, 1940.

Pat. 2,205,849. Azo Dyestuffs Soluble in Water. June 25, 1940.

Pat. 2,205,855. Vat Dyestuffs of the Anthraquinone Series. June 25, 1940.

Pat. 2,206,108. Dyestuffs of the Methine Series. July 2, 1940.

Pat. 2,206,127. Vat Dyestuffs of the Anthraquinone Series. July 2, 1940.

Pat. 2,206,128. Vat Dyestuffs of the Anthraquinone Series. July 2, 1940.

Pat. 2,206,249. Agents of Capillary Action from Alkyl-Amino-Carboxylic Acids with Tertiary or Quaternary Bound Nitrogen. July 2, 1940.

Pat. 2,206,510. Halogenating Nitroaminobenzene Sulphonic Acid. July 2, 1940.

Pat. 2,206,610. Oxazines of the Anthraquinone Series and Process of Preparing Them. July 2, 1940.

Pat. 2,207,233. Process and Composition for Printing Textile Fabrics. July 9, 1940.

Pat. 2,208,363. Monoazo Dyestuffs Insoluble in Water. July 16, 1940.

Pat. 2,208,624. Carboxylic Acids of Cyclic Ketones and Process of Producing Them. July 23, 1940.

Pat. 2,208,925. Monoazo Dyestuffs Insoluble in Water. July 23, 1940.

Pat. 2,208,932. Process of Producing Fast Dyeings and the Dyed Fiber Obtained Thereby. July 23, 1940.

Pat. 2,209,749. Water-Insoluble Azo Dyestuffs. July 30, 1940.

Pat. 2,210,041. Vat Dyestuffs and Method of Producing Them. Aug. 6, 1940.

Pat. 2,210,072. Monoazo Dyestuffs Insoluble in Water. Aug. 6, 1940.

Pat. 2,211,149. Process for the Production of Azo Dyestuffs on the Fiber. Aug. 13, 1940.

Pat. 2,212,590. Azo Dyestuffs. Aug. 27, 1940.

Pat. 2,212,608. Process of Dyeing Pelts, Hairs, or Feathers. Aug. 27, 1940.

Pat. 2,212,628. Dyeing Mixed Fabrics. Aug. 27, 1940.

Pat. 2,212,816. Copper Complex Compound of Polyazo Dyestuffs. Aug. 27, 1940.

Pat. 2,212,924. Production of Phthalocyanine Pigments. Aug. 27, 1940.

Pat. 2,212,928. Production of Meta-Diaza Compounds. Aug. 27, 1940.

Pat. 2,212,965. Process for Effecting Carbazole Ring Formation of Compounds of the Anthraquinone Series. Aug. 27, 1940.

Pat. 2,213,188. Dyestuffs of the Anthraquinone Series. Sept. 3, 1940.

Pat. 2,213,193. Process of Producing Fast Dyeings. Sept. 3, 1940.

Pat. 2,213,194. Manufacture of 1-Methyl-4-Hydroxy-5-Amino- and 1-Methyl-4-Amino-5-Hydroxy-Naphthalene-1'-Sulphonic Acid. Sept. 3, 1940.

Pat. 2,213,460. Chromable Dyestuffs of the Triarylmethane Series. Sept. 3, 1940.

Pat. 2,213,517. Phthalocyanine Dyestuff. Sept. 3, 1940.

Pat. 2,213,608. Acid Wool Dyestuffs. Sept. 3, 1940.

Pat. 2,213,697. Monoazo Dyestuffs. Sept. 3, 1940.

Pat. 2,214,067. Process for Improving the Fastness of Dyeings. Sept. 10, 1940.

Pat. 2,214,337. Manufacture of Disazo Dyes. Sept. 10, 1940.

Pat. 2,215,083. Sulphonic Acids of Aromatic Sulphonic Acid Halides and Process of Making the Same. Sept. 17, 1940.

Pat. 2,215,087. Azo Dyestuffs. Sept. 17, 1940.

Pat. 2,215,105. Coloring Matters from Azo Dyestuffs. Sept. 17, 1940.

Pat. 2,215,196. Process of Producing Color on Textile Materials. Sept. 17, 1940.

Pat. 2,215,859. Acid Wool Dyestuffs of the Quinoxaline Series. Sept. 24, 1940.

Pat. 2,216,258. Anthraquinone Dyestuffs. Oct. 1, 1940.

Pat. 2,218,587. Process for Producing Aliphatic Ketone Anils. Oct. 22, 1940.

Pat. 2,218,801. Leuco Sulphuric Acid Esters of Vat Dyestuffs of the Anthanthrone Series. Oct. 22, 1940.

Pat. 2,218,920. Water-Insoluble Azo Dyestuffs. Oct. 22, 1940.

Pat. 2,218,924. Aftertreatment of Dyed Textile Fibers. Oct. 22, 1940.

Pat. 2,218,986. Ortho-Hydroxy Azo Dye. Oct. 22, 1940.

Pat. 2,219,009. Triarylmethane Dyestuffs. Oct. 22, 1940.

Pat. 2,219,010. Manufacture of Indophenol-Like Compounds of the Naphthocarbazole Series. Oct. 22, 1940.

Pat. 2,219,330. Phthalocyanine Sulphonic Acid Chloride. Oct. 29, 1940.

Pat. 2,219,748. Thioxane Sulphur Trioxide Addition Compound. Oct. 29, 1940.

Pat. 2,220,598. Monoazo-dyestuffs Insoluble in Water. Nov. 5, 1940.

Pat. 2,221,131. Nitro-Dyestuffs and Process of Preparing Them. Nov. 12, 1940.

Pat. 2,221,965. Chromable Dyestuffs of the Triaryl-Methane Series and Process of Preparing Them. Nov. 19, 1940.

Pat. 2,222,285. Agents for Aftertreating Dyeings of Insoluble Azo Dyestuffs. Nov. 19, 1940.

Pat. 2,222,482. Sulphur Dyes. Nov. 19, 1940.

Pat. 2,222,763. Monoazo Dyestuffs Insoluble in Water. Nov. 26, 1940.

Pat. 2,222,775. Azo Dyestuffs Insoluble in Water. Nov. 26, 1940.

Pat. 2,223,453. Esters of Perylene-Carboxylic Acids and a Process of Producing Them. Dec. 3, 1940.

Pat. 2,224,112. Water-Soluble Dyestuffs. Dec. 3, 1940.

Pat. 2,224,317. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Dec. 10, 1940.

Pat. 2,225,120. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Dec. 17, 1940.

Pat. 2,225,441. Dyestuffs of the Phthalocyanine Series. Dec. 17, 1940.

Pat. 2,225,443. Azo Dyestuffs. Dec. 17, 1940.

Pat. 2,225,476. Water Soluble Oxazine Dyestuff. Dec. 17, 1940.

Pat. 2,226,835. Mixed Ureas. Dec. 31, 1940.

Pat. 2,227,504. Disazo Dyestuffs Capable of Being Converted into Complex Chromium Compounds. Jan. 7, 1941.

Pat. 2,227,664. Carbazole Derivatives. Jan. 7, 1941.

Pat. 2,227,834. Mixtures of Vat Dyestuffs and Process of Producing Green Dyeings Therewith. Jan. 7, 1941.

Pat. 2,228,233. Process for the Manufacture of Vat Dyestuffs of the Naphthophenazine Series. Jan. 7, 1941.

Pat. 2,228,288. Diazotizable Azo Dyestuffs. Jan. 14, 1941.

Pat. 2,228,289. Diazotizable Azo Dyestuffs. Jan. 14, 1941.

Pat. 2,228,290. Diazotizable Azo Dyestuffs. Jan. 14, 1941.

Pat. 2,228,303. Monoazo Dyestuffs Insoluble in Water. Jan. 14, 1941.

Pat. 2,228,317. Process of Producing Dyeings Fast to Washing on Cellulose Esters and Ethers and the Dyed Fiber Obtained Thereby. Jan. 14, 1941.

Pat. 2,228,321. Azo Dyestuffs. Jan. 14, 1941.

Pat. 2,228,369. Dyeing Animal Fibrous Materials. Jan. 14, 1941.

Pat. 2,228,374. Azo Dyestuffs. Jan. 14, 1941.

Pat. 2,228,455. Vat Dyestuffs. Jan. 14, 1941.

Pat. 2,228,920. Process of Preparing 5-Hydroxytrimellitic Acid. Jan. 14, 1941.

Pat. 2,228,924. Manufacture of 4-Chloro-5-Nitro-1-Naphthomethylchloride. Jan. 14, 1941.

Pat. 2,229,099. Amino-Alkoxy-1.4-Benzoquinones and Their Derivatives and a Process of Preparing Them. Jan. 21, 1941.

Pat. 2,229,650. Green Sulphur Dyes and Process for Manufacturing the Same. Jan. 28, 1941.

Pat. 2,230,574. Dyestuffs of the Anthraquinone Series. Feb. 4, 1941.

Pat. 2,230,587. Disulphonium Compounds of High Molecular Weight. Feb. 4, 1941.

Pat. 2,230,686. Method of Preparing Azo Dyestuffs Containing Metal. Feb. 4, 1941.

Pat. 2,230,696. Azo Dyestuffs. Feb. 4, 1941.

Pat. 2,230,789. Polymethine Dyestuffs. Feb. 4, 1941.

Pat. 2,230,791. Manufacture of 2-Hydroxynaphthalene-4-Sulphonic Acid and Substitution Products Thereof. Feb. 4, 1941.

Pat. 2,231,495. Vat-Dyestuffs of the Naphthalimide Series and a Process of Preparing Them. Feb. 11, 1941.

Pat. 2,232,067. Dyestuffs of the Naphthophenosafranine Series. Feb. 18, 1941.

Pat. 2,232,078. Azo Dyestuffs of the Stilbene Series. Feb. 18, 1941.

Pat. 2,232,405. Process and Preparation for the Manufacture of Azo Dyestuffs. Feb. 18, 1941.

Pat. 2,232,406. Process and Preparation for the Manufacture of Azo Dyestuffs. Feb. 18, 1941.

Pat. 2,232,870. Azo Dyestuffs. Feb. 25, 1941.

Pat. 2,232,871. Coloring of Hydrocarbons. Feb. 25, 1941.

Pat. 2,232,892. Process of Dyeing Nitrogenous Compounds of High Molecular Weight and the Products Thus Obtained. Feb. 25, 1941.

Pat. 2,233,391. Acid Wool Dyestuffs of the Anthraquinone Series and a Process of Preparing Them. Mar. 4, 1941.

Pat. 2,233,940. Dioxazines and Process of Making the Same. Mar. 4, 1941.

Pat. 2,234,031. Water-Soluble Dyestuffs. Mar. 4, 1941.

Pat. 2,234,036. Process of Producing Fast Dyeings. Mar. 4, 1941.

Pat. 2,234,580. Substantive Azo Dyestuffs. Mar. 11, 1941.

Pat. 2,235,511. Diaryl-Monoindolyl-Methane Dyestuffs. Mar. 18, 1941.

Pat. 2,238,209. Anthraquinone-Benzacridone Vat Dyestuffs. Apr. 15, 1941.

Pat. 2,238,215. Chromable Triaryl-Methane Dyes. Apr. 15, 1941.

Pat. 2,239,290. Azomethine Dyestuffs Containing a Heavy Metal. Apr. 22, 1941.

Pat. 2,241,774. Monoazodyestuffs. May 13, 1941.

Pat. 2,241,795. Acid Azo Dyestuffs. May 13, 1941.

Pat. 2,241,796. Azo Dyestuffs. May 13, 1941.

Pat. 2,242,411. Vat Dyestuffs of the Anthraquinone Series and Process of Making the Same. May 20, 1941.

Pat. 2,242,446. Vat Dyestuffs of the Anthraquinone-Acridone-Carbazole Series. May 20, 1941.

Pat. 2,242,449. Preparation of Naphthoquinone Carbazoles. May 20, 1941.

Pat. 2,242,456. Polyazodyestuffs. May 20, 1941.

Pat. 2,242,469. Dyestuffs of the Phthalocyanine Series. May 20, 1941.

Pat. 2,242,474. Water-Soluble Basic Dyestuffs. May 20, 1941.

Pat. 2,242,572. Chromable Dyestuffs of the Triarylmethane Series and a Process of Preparing Them. May 20, 1941.

Pat. 2,242,585. Dibenzo-Acridines. May 20, 1941.

Pat. 2,242,760. Organic Dyestuffs and Process of Producing Same. May 20, 1941.

Pat. 2,243,213. Process of Producing Fast Dyeings on Cellulose Esters and Ethers and the Dyed Fiber Obtained Thereby. May 27, 1941.

Pat. 2,244,294. Dyestuff-Sulphonic Acids of the Dioxazine Series. June 3, 1941.

Pat. 2,244,655. Vat Dyestuffs of the Anthraquinone Series. June 3, 1941.

Pat. 2,245,172. Process for Producing 4-Hydroxy-1-Aminonaphthalene-8-Carboxylic Acid and 4-Hydroxynaphthostyril. June 10, 1941.

Pat. 2,245,173. Water-Insoluble Azo Dye. June 10, 1941.

Pat. 2,245,517. Polyazo Dyestuffs. June 10, 1941.

Pat. 2,245,520. Dyestuffs of the Anthraquinone Series. June 10, 1941.

Pat. 2,245,521. Dyestuffs of the Anthraquinone Series. June 10, 1941.

Pat. 2,245,780. Acid Wool Dyestuffs. June 17, 1941.

Pat. 2,246,071. Water-Soluble Condensation Products. June 17, 1941.

Pat. 2,248,074. Trisazo Dyestuffs. July 8, 1941.

Pat. 2,248,091. Process of Producing Fast Dyeings and the Dyed Fiber Obtained Thereby. July 8, 1941.

Pat. 2,248,151. Production of Substantive Azo Dyestuffs. July 8, 1941.

Pat. 2,249,956. Double Salts of Water-Soluble Derivatives of Insoluble Azo Dyestuffs. July 22, 1941.

Pat. 2,249,973. Production of Stable Leuco Compounds of Anthraquinone Vat Dyestuffs. July 22, 1941.

Pat. 2,250,098. Process of Preparing Water-Containing Dyestuff Preparations of High Concentration. July 22, 1941.

Pat. 2,252,824. Production of Trisazo Dyestuffs. Aug. 19, 1941.

Pat. 2,252,843. Mono-Azo Dyestuffs Insoluble in Water. Aug. 19, 1941.

Pat. 2,252,844. Azo Dyestuffs Insoluble in Water. Aug. 19, 1941.

Pat. 2,254,602. Orthodihydroxy Azo Dyestuffs. Sept. 2, 1941.

Pat. 2,255,385. Dyestuffs of the Para-Rosaniline Series. Sept. 9, 1941.

Pat. 2,257,165. Azo Dyestuffs Containing Chromium in Complex Union. Sept. 30, 1941.

Pat. 2,257,190. Azo Dye Compositions. Sept. 30, 1941.

Pat. 2,257,216. Water-Insoluble Azo Dyestuffs. Sept. 30, 1941.

Pat. 2,263,559. Process of Producing Fast Dyeings and the Dyed Fiber Obtained Thereby. Nov. 25, 1941.

Pat. 2,264,123. Acyl-Acetic Arylides Having Substantive Properties. Nov. 25, 1941.

Pat. 2,265,140. Vat Dyestuffs of the Dibenzanthrone Series and Process of Producing Same. Dec. 9, 1941.

Pat. 2,265,153. Process of Preparing Chromable Dyestuffs of the Tri-Arylmethane Series. Dec. 9, 1941.

Pat. 2,265,425. Disazo Dyestuffs. Dec. 9, 1941.

Pat. 2,266,228. Process of Manufacturing Aminohalogen-Nitrobenzene Sulphonic Acids. Dec. 16, 1941.

Pat. 2,266,404. Dyestuffs of the Phthalocyanine Series. Dec. 16, 1941.

Pat. 2,267,139. Vat Dyestuffs of the Anthraquinone Series and Process of Preparing Them. Dec. 23, 1941.

Pat. 2,267,741. Diamino-1.4-Benzoquinones. Dec. 30, 1941.

Pat. 2,267,770. Process for the Production of Dyeings. Dec. 30, 1941.

Pat. 2,268,274. Azo Dyestuffs. Dec. 30, 1941.

Pat. 2,269,531. Process of Preparing Dyestuffs of the Dioxazine Series. Jan. 13, 1942.

Pat. 2,270,168. Vat Dyestuffs of the Anthraquinone Series. Jan. 13, 1942.

Pat. 2,270,170. Process for Preparing Tetrabromoindigo. Jan. 13, 1942.

Pat. 2,270,675. Polyazo Dyestuffs. Jan. 20, 1942.

Pat. 2,270,678. Monoazo Dyestuffs Insoluble in Water. Jan. 20, 1942.

Pat. 2,271,707. Wetting Agent. Feb. 3, 1942.

Pat. 2,272,498. Process for Producing Compounds of the Diaryl Series. Feb. 10, 1942.

Pat. 2,273,094. Disazo Dyestuffs Soluble in Water. Feb. 17, 1942.

Pat. 2,273,115. Process of Producing Fast Dyeings and the Dyed Fiber Obtained Thereby. Feb. 17, 1942.

Pat. 2,273,116. Azo Dyestuffs Insoluble in Water and Fiber Dyed Therewith. Feb. 17, 1942.

Pat. 2,273,117. Process of Producing Fast Dyeings and the Dyed Fiber Obtained Thereby. Feb. 17, 1942.

Pat. 2,273,444. Process of Producing Sulphamides of Ortho-Dicarboxylic Acid Imides. Feb. 17, 1942.

Pat. 2,273,517. Azo Dyestuffs Soluble in Water. Feb. 17, 1942.

Pat. 2,273,974. Sulphonating Process. Feb. 24, 1942.

Pat. 2,276,174. Azo Dyestuffs. Mar. 10, 1942.

Pat. 2,276,602. Process of Dyeing and the Products Thus Obtained. Mar. 17, 1942.

Pat. 2,276,637. 5.6.7.8-Tetrahydroanthraquinone Derivatives Containing Nitrogen and a Process of Preparing Them. Mar. 17, 1942.

Pat. 2,276,704. Thickening Agent for Printing and Discharging Pastes. Mar. 17, 1942.

Pat. 2,276,860. Dyestuff of the Phthalocyanine Series. Mar. 17, 1942.

Pat. 2,276,918. Dyestuffs of the Phthalocyanine Series. Mar. 17, 1942.

Pat. 2,277,230. Azo Dyestuffs. Mar. 24, 1942.

Pat. 2,277,243. Azo Dyestuffs. Mar. 24, 1942.

Pat. 2,277,262. Azo Dyetuffs. Mar. 24, 1942.

Pat. 2,277,527. Process of Producing Fast Dyeings on Vulcanized Fiber and the Dyed Fiber Obtained Thereby. Mar. 24, 1942.

Pat. 2,277,544. Process of Producing Fast Dyeings and the Dyed Fiber Obtained Thereby. Mar. 24, 1942.

Pat. 2,277,551. Process of Producing Fast Dyeings and the Dyed Fiber Obtained Thereby. Mar. 24, 1942.

Pat. 2,278,202. Manufacture of 3-Aryl-Aminotetrahydrofuranes. Mar. 31, 1942.

Pat. 2,278,260. Dioxazine Dyestuffs. Mar. 31, 1942.

Pat. 2,278,961. Triarylmethane Dyestuffs and Process of Preparing Them. Apr. 7, 1942.

Pat. 2,279,725. Vat Dyestuff of the Dibenzanthrone Series and Process of Making Same. Apr. 14, 1942.

Pat. 2,280,253. Dyestuffs of the Methine Series. Apr. 21, 1942.

Pat. 2,280,504. Process for Producing Compounds of the Diaryl Series. Apr. 21, 1942.

Pat. 2,280,507. Phthalocyanine Dyestuffs. Apr. 21, 1942.

Pat. 2,281,583. Substituted Anthraquinones and the Corresponding Aroyl-Benzoic Acids and Process of Preparing the Same. May 5, 1942.

Pat. 2,281,968. Sulphur Dyestuffs. May 5, 1942.

Pat. 2,282,250. Valuable Vat Dyestuffs of the Dibenzanthrone and Isodibenzanthrone Series. May 5, 1942.

Pat. 2,282,724. Process of Dyeing with Substantive Colors. May 12, 1942.

Pat. 2,283,823. Monoazo Dyestuffs Soluble in Water. May 19, 1942.

Pat. 2,283,829. Diazotizable Azodyestuffs. May 19, 1942.

Pat. 2,284,062. Vat Dyestuffs of the Phthaloyl Carbazole Series. May 26, 1942.

Pat. 2,285,359. Phthalocyanine Sulphonic Acids. June 2, 1942.

Pat. 2,288,198. Ethers of Mono-Hydroxy-Halogen-1.4-Benzoquinones and a Process of Preparing Them. June 30, 1942.

Pat. 2,288,219. Wool Dyestuffs of the Anthraquinone Series. June 30, 1942.

Pat. 2,288,282. Process for Producing Polyhydroxyarylsulphones. June 30, 1942.

Pat. 2,288,422. Mixed Ureas. June 30, 1942.

Pat. 2,288,478. Phthalocyanine Sulphonic Acid Chloride. June 30, 1942.

Pat. 2,288,518. Azo Dyestuffs Capable of Being Metallized. June 30, 1942.

Pat. 2,288,522. Dyestuffs of the Dioxazine Series and Process of Preparing Them. June 30, 1942.

Pat. 2,289,025. Derivative of 2.5-Diamino-1.4-Benzoquinone. July 7, 1942.

Pat. 2,289,280. Vat Dyestuff. July 7, 1942.

Pat. 2,289,293. Manufacture of Azo Dyes. July 7, 1942.

Pat. 2,295,649. Benzanthrones and a Process of Preparing Them. Sept. 15, 1942.

Pat. 2,295,963. Condensation Products of the Pyrene Series. Sept. 15, 1942.

Pat. 2,296,153. Chromable Dyestuffs of the Triarylmethane Series and Process of Preparing Them. Sept. 15, 1942.

Pat. 2,296,214. New Derivative of 2.5-Diamino-1.4-Benzoquinone. Sept. 15, 1942.

Pat. 2,299,240. Process of Making an Amino Phenyl Anthraquinone. Oct. 20, 1942.

Pat. 2,300,572. Phthalocyanine Sulphonic Acid Amides. Nov. 3, 1942.

Pat. 2,300,636. Tetrakisazo Dyestuffs Soluble in Water. Nov. 3, 1942.

Pat. 2,301,002. Derivatives of Metal Complex Compounds of Sulphurized Phenols. Nov. 3, 1942.

Pat. 2,306,681. Water-Insoluble Dyestuffs. Dec. 29, 1942.

Pat. 2,307,893. Process for the Manufacture of Leuco Esters. Jan. 12, 1943.

Pat. 2,307,973. Dyeings. Jan. 12, 1943.

Pat. 2,308,021. Dye Bath for the Dyeing of Textile Goods. Jan. 12, 1943.

Pat. 2,309,196. Substitution Products of Anthraquinone and the Corresponding Aroyl-Benzoic Acid and Process of Preparing the Same. Jan. 26, 1943.

Pat. 2,313,155. Chloranthraquinones and a Process of Making Them. Mar. 9, 1943.

Pat. 2,314,379. Process for Producing Para-Hydroxyarylsulphones. Mar. 23, 1943.

Pat. 2,314,440. Azo Dyestuffs and Process for Coloring Therewith. Mar. 23, 1943.

Pat. 2,315,232. Water-Insoluble Disazo Dyes. Mar. 30, 1943.

Pat. 2,315,375. Sulpho-Tricarboxylic Acid Compounds and Process of Preparing Same. Mar. 30, 1943.

Pat. 2,315,834. 1-Aminoaryl-5-Pyrazolone-4-Sulphonic Acids. Apr. 6, 1943.

Pat. 2,315,835. Condensation Products of 1-Amino-Aryl-5-Pyrazolone-4-Sulphonic Acids. Apr. 6, 1943.

Pat. 2,315,836. 5-Pyrazolone-4-Sulphonic Acids. Apr. 6, 1943.

Pat. 2,315,870. Isoalkylamine Salts of Organic Sulphonic or Carboxylic Acids. Apr. 6, 1943.

Pat. 2,316,758. Leuco Sulphuric Acid Esters of the Anthraquinone Series. Apr. 20, 1943.

Pat. 2,317,965. Process of Coloring Fibrous Materials and the Materials Obtained Thereby. Apr. 27, 1943.

Pat. 2,319,719. New Vat Dyestuffs. May 18, 1943.

Pat. 2,320,694. Vat Dyestuff of the Anthanthrone Series. June 1, 1943.

Pat. 2,321,787. Sulphur Dyestuffs. June 15, 1943.

Pat. 2,321,816. Process of Producing Fast Dyeings on Fibrous Materials. June 15, 1943.

Pat. 2,321,963. Quaternary Ammonium Compounds. June 15, 1943.

Pat. 2,322,907. 1-Acylaminoaryl-5-Pyrazolones. June 29, 1943.

Pat. 2,325,803. Condensation Products. Aug. 3, 1943.

Pat. 2,325,972. Process of Dyeing Mixed Fibrous Material. Aug. 3, 1943.

Pat. 2,328,759. Removing Odor of Nigrosines and Indulines. Sept. 7, 1943.

Pat. 2,331,415. Water-Soluble Compounds. Oct. 12, 1943.

Pat. 2,333,137. Acid Wool Dyestuffs. Nov. 2, 1943.

Pat. 2,335,193. Sulphonic Acid and Process for Producing It. Nov. 23, 1943.

Pat. 2,335,273. 3,3-Dihalogenoxindoles. Nov. 30, 1943.

Pat. 2,337,845. 1-Diazoaryl-5-Pyrazolone-4-Sulphonic Acids. Dec. 28, 1943.

Pat. 2,337,882. Process for the Manufacture of Thiourea. Dec. 28, 1943.

Pat. 2,345,485. Dyestuff Salts. Mar. 28, 1944.

Pat. 2,347,027. Leuco Sulphuric Acid Esters of the Anthraquinone Series. Apr. 18, 1944.

Pat. 2,347,042. 1-Arylamino-5-Hydroxynaphthalene-7-Sulphonic Acid. Apr. 18, 1944.

Pat. 2,347,846. Anthraquinones Containing Trifluoromethyl Groups and a Process of Preparing Them. May 2, 1944.

Pat. 2,349,899. Production of Azo Dyestuffs. May 30, 1944.

Pat. 2,350,393. Basic Water-Soluble Dyestuffs. June 6, 1944.

Pat. 2,352,387. Process for the Production of Condensation Products. June 27, 1944.

Pat. 2,352,701. Process of Producing Fast Dyeings and the Dyed Fiber Obtained Thereby. July 4, 1944.

Pat. 2,352,752. Acid Wool Dyestuffs. July 4, 1944.

Pat. 2,366,452. Process of Preparing Condensation Products. Jan. 2, 1945.

Pat. 2,381,145. Stable Diazo Salt Preparation. Aug. 7, 1945.

Pat. 2,384,419. Azo Dyestuffs. Sept. 4, 1945.

Pat. 2,385,698. Disazo Dyestuffs. Sept. 25, 1945.

Pat. 2,385,747. Polymethine Dyestuffs and Process of Preparing Them. Sept. 25, 1945.

Pat. 2,392,794. Vat Dyestuffs of the Anthraquinone Series. Jan. 8, 1946.

Pat. 2,394,114. Trisazo Diphenyl Dyestuffs. Feb. 5, 1946.

SECTION 2

Textile Assistants, Detergents, Water-Softeners and Other Surface-Active Agents

Pat. 1,843,316. Detergent. Feb. 2, 1932.

Pat. 1,843,420. Emulsifying Agent. Feb. 2, 1932.

Pat. 1,871,087. Production of Effects on Textiles. Aug. 9, 1932.

Pat. 1,872,736. Sulphonated Condensation Products of Polyhydric Alcohols and Aromatic Hydrocarbons and Process of Producing Same. Aug. 23, 1932.

Pat. 1,880,566. Condensation Product from a Non-Hydroxylated Benzyl Alcohol. Oct. 4, 1932.

Pat. 1,881,172. Ester-Like Constituted Wetting Agents, Foaming Agents, and Dispersing Agents and Process of Preparing Them. Oct. 4, 1932.

Pat. 1,897,795. Production of C-Alkyl and C-Aralkyl Derivatives of Aromatic Compounds. Feb. 14, 1933.

Pat. 1,903,864. Textile Pest Proofing Media. Apr. 18, 1933.

Pat. 1,906,484. Soap Preparation. May 2, 1933.

Pat. 1,906,890. Condensation Product from Halogenated Phenols and Aldehydes. May 2, 1933.

Pat. 1,910,488. New Hydroxy-Alkyl-Triphenylmethane Derivatives. May 23, 1933.

Pat. 1,910,938. Insect Pests Proof Article and a Process of Preparing Same. May 23, 1933.

Pat. 1,914,321. Production of Assistants for the Textile and Related Industries. June 13, 1933.

Pat. 1,916,776. Sulphonated Fatty Acid Esters and Their Production. July 4, 1933.

Pat. 1,921,364. Media for Protecting Furs, Hairs, Feathers, and Animal Textile Products Against the Attack of Animal and Plant Pests. Aug. 8, 1933.

Pat. 1,922,459. Ethers of Polyhydric Alcohols and Their Production. Aug. 15, 1933.

Pat. 1,923,223. Mothproofing Substances. Aug. 22, 1933.

Pat. 1,926,442. Production of Sulfonic Acids of Aliphatic and Hydroaromatic Carboxylic Acids. Sept. 12, 1933.

Pat. 1,927,910. Treatment of Tanned or Nontanned Animal Hides. Sept. 26, 1933.

Pat. 1,929,654. Mercerizing Liquor. Oct. 10, 1933.

Pat. 1,930,853. Production of Dispersions. Oct. 17, 1933.

Pat. 1,931,491. Production of Sulphonic Acids. Oct. 24, 1933.

Pat. 1,931,540. Sulphocarboxylic Acid Amide. Oct. 24, 1933.

Pat. 1,931,806. Process for the Production of Sulphuric Esters of Nitrogen-Containing Organic Compounds. Oct. 24, 1933.

Pat. 1,932,176. Sulphuric Acid Derivatives and Amides. Oct. 24, 1933.

Pat. 1,932,177. Sulphonated Carboxylic Amide. Oct. 24, 1933.

Pat. 1,932,178. Sulphonated Carboxylic Acid Amides and Their Preparation. Oct. 24, 1933.

Pat. 1,932,179. Sulphuric Acid Derivatives of Carboxylic Arylides. Oct. 24, 1933.

Pat. 1,932,180. Sulphuric Acid Derivatives of Amides. Oct. 24, 1933.

Pat. 1,938,022. Tanning Agent. Dec. 5, 1933.

Pat. 1,944,300. Aliphatic Amine Sulphonic Acid Containing Eight or More Carbon Atoms. Jan. 23, 1934.

Pat. 1,948,894. New Condensation Products. Feb. 27, 1934.

Pat. 1,951,718. Production of Sols and Highly Dispersed Suspensions Comprising Oxygen-Containing Metal Compounds. Mar. 20, 1934.

Pat. 1,955,207. Mothproofing Agent. Apr. 17, 1934.

Pat. 1,962,276. Moth-Protecting Media. June 12, 1934.

Pat. 1,970,578. Assistants for the Textile and Related Industries. Aug. 21, 1934.

Pat. 1,971,436. Compound of the Polyarylmethyl Series and the Process for Preparing the Same. Aug. 28, 1934.

Pat. 1,973,860. Amides of N-Beta-Hydroxyalkyl Amino-Carboxylic Acids and Process of Preparing Same. Sept. 18, 1934.

Pat. 1,975,408. Mothproofing Media. Oct. 2, 1934.

Pat. 1,976,678. Production of Polymerization Products. Oct. 9, 1934.

Pat. 1,985,687. Oiling and Dressing Fibers. Dec. 25, 1934.

Pat. 2,008,649. Aliphatic Poly-Amides and Process for Their Preparation. July 16, 1935.

Pat. 2,031,929. Impregnation of Materials. Feb. 25, 1936.

Pat. 2,036,161. Producing Synthetic Tanning Agents. Mar. 31, 1936.

Pat. 2,037,229. Production of Sulphonic Acids. Apr. 14, 1936.

Pat. 2,038,529. Synthetic Tanning Agent. Apr. 28, 1936.

Pat. 2,041,265. Acylated Polypeptides. May 19, 1936.

Pat. 2,042,747. Sulphonated Oxygenated Compounds Obtained by Catalytic Hydrogenation of Oxides of Carbon. June 2, 1936.

Pat. 2,043,476. Carboxylates of Aliphatic Alcohols with Non-Aromatic Sulphonic Carboxylic Acids. June 9, 1936.

Pat. 2,045,015. Production of Sulphuric Derivatives of Fatty Acid Compounds. June 23, 1936.

Pat. 2,047,398. Artificial Resins and Process of Making Them. July 14, 1936.

Pat. 2,051,389. Fulling Fabrics. Aug. 18, 1936.

Pat. 2,053,610. Protecting Animal Fibers from Textile Pests. Sept. 8, 1936.

Pat. 2,070,207. New Condensation Products and a Process for Preparing Same. Feb. 9, 1937.

Pat. 2,081,528. Wetting Agents for Use in Mercerising Lyes. May 25, 1937.

Pat. 2,083,482. Carbocyclic Compounds Containing Acid Salt-Forming Groups. June 8, 1937.

Pat. 2,085,706. Derivatives of Carboxylic Acid Amides. June 29, 1937.

Pat. 2,089,348. Process for the Manufacture of Amino Sulphonic Acids. Aug. 10, 1937.

Pat. 2,091,683. Chrome Tanning. Aug. 31, 1937.

Pat. 2,094,451. Production of Hydroxy-Sulfonic Acids. Sept. 28, 1937.

Pat. 2,103,872. High Molecular Nitrogenous Organic Compounds Containing Carboxylic Groups. Dec. 28, 1937.

Pat. 2,108,901. Production of Assistants for the Textile and Related Industries. Feb. 22, 1938.

Pat. 2,120,557. Sulphonic Acids of Carboxylic Acid Amides and Process for the Production Thereof. June 14, 1938.

Pat. 2,129,709. Production of New High Molecular Sulphur-Containing Condensation Products. Sept. 13, 1938.

Pat. 2,130,505. Polyamino Carboxylic Acids and Process of Making Same. Sept. 20, 1938.

Pat. 2,130,668. Wetting, Cleansing, and Emulsifying Agent. Sept. 20, 1938.

Pat. 2,133,480. Production of Ethers Suitable as Dispersing Agents and of Preparations Therefrom. Oct. 18, 1938.

Pat. 2,134,346. Washing and Cleansing Compositions. Oct. 25, 1938.

Pat. 2,149,709. Textile Assistants. Mar. 7, 1939.

Pat. 2,160,375. Water-Repellent Textile Material and Process of Manufacturing It. May 30, 1939.

Pat. 2,164,431. Production of Ethers Suitable as Dispensing Agents and of Preparations Therefrom. July 4, 1939.

Pat. 2,167,825. Agents of Capillary Activity. July 25, 1939.

Pat. 2,167,326. Agents of Capillary Activity. July 25, 1939.

Pat. 2,168,534. Process of Waterproofing Textile Material and the Material Thus Obtained. Aug. 8, 1939.

Pat. 2,168,535. Textile Material and a Process of Preparing It. Aug. 8, 1939.

Pat. 2,169,998. Sulpho-Carboxylic Esters Suitable as Assistants for the Textile and Related Industries. Aug. 22, 1939.

Pat. 2,174,760. Condensation Products Derived from Carboxylic Acids and Method of Producing Them. Oct. 3, 1939.

Pat. 2,174,761. Condensation Products Derived from Hydroxy Compounds and Method of Producing Them. Oct. 3, 1939.

Pat. 2,174,762. Condensation Products Derived from Amines and Method of Producing Them. Oct. 3, 1939.

Pat. 2,183,853. Polyoxyalkylene Ether Acid Compounds Containing a Higher Aliphatic Group. Dec. 19, 1939.

Pat. 2,185,427. Treatment of Fibrous Materials. Jan. 2, 1940.

Pat. 2,187,823. Condensation Products of Ethers of Alkylol Amines. Jan. 23, 1940.

Pat. 2,189,648. Production of Nitrogen-Containing Condensation Products Useful in the Textile and Related Industries. Feb. 6, 1940.

Pat. 2,193,717. Process for Preventing the Congealing of Blood. Mar. 12, 1940.

Pat. 2,195,194. Treatment of Fibrous Materials. Mar. 26, 1940.

Pat. 2,197,464. Treating Artificial Fabrics. Apr. 16, 1940.

Pat. 2,203,883. Sulphuric Acid Esters of Alcohol Ethers Containing a Carbocyclic Group. June 11, 1940.

Pat. 2,205,995. Production of Amino Carboxylic Acid Nitriles. June 25, 1940.

Pat. 2,206,928. Production of Condensation Products. July 9, 1940.

Pat. 2,211,976. Process of Imparting Hydrophobic Properties to Cellulose Fibers. Aug. 20, 1940.

Pat. 2,213,477. Glycol and Polyglycol Ethers of Isocyclic Hydroxyl Compounds. Sept. 3, 1940.

Pat. 2,214,352. Process for the Production of Condensation Products Containing Onium Groups. Sept. 10, 1940.

Pat. 2,220,099. Sulphonic Acids. Nov. 5, 1940.

Pat. 2,225,083. Treatment of Chrome Leather. Dec. 17, 1940.

Pat. 2,225,960. Condensation Products and a Process of Preparing Them. Dec. 24, 1940.

Pat. 2,240,957. Process for Avoiding and Rendering Harmless the Precipitates of Water Insoluble Metal Salts. May 6, 1941.

Pat. 2,257,183. Wetting Agent Useful for Alkaline Mercerizing Solutions. Sept. 30, 1941.

Pat. 2,257,186. Process of Removing Metal Oxides and Preparations Suitable in This Process. Sept. 30, 1941.

Pat. 2,266,448. Process and Products for Deliming Limed Pelts. Dec. 16, 1941.

Pat. 2,267,731. Process for the Production of Capillary-Active Agents. Dec. 30, 1941.

Pat. 2,267,756. Water-Soluble Mothproofing Agent. Dec. 30, 1941.

Pat. 2,268,140. Alkylated Aromatic Sulphonic Acids. Dec. 30, 1941.

Pat. 2,281,624. Water-Soluble Mothproofing Agents. May 5, 1942.

Pat. 2,302,805. Composition for Mothproofing. Nov. 24, 1942.

Pat. 2,316,057. Textile Material. Apr. 6, 1943.

Pat. 2,328,431. Process for Rendering Textile Materials Water Repellent. Aug. 31, 1943.

Pat. 2,333,203. Cellulose Fibers and Process of Treating Them. Nov. 2, 1943.

Pat. 2,340,977. Process of Removing Tar and Pitch Tips from Wool. Feb. 8, 1944.

Pat. 2,353,964. Phosphonium Compounds. July 18, 1944.

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 12,503 through 12,719) are the balance of Schedule 1, Group 28, and part of Schedule 2, Groups 28; 32.

Detailed information concerning specific abstracts should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 1—Continued

Patents Relating to Acrylic Compounds and Resins Therefrom

Pat. 2,013,648. Production of Unsaturated Aliphatic Acid Esters. Sept. 10, 1935. Producing esters of methacrylic acid by refluxing alpha-chloro-isobutyric acid ester in the presence of ferric chloride.

Pat. 2,020,685. Process for the Preparation of the Esters of Unsaturated Acids. Nov. 12, 1935. In the preparation of alkyl esters of methacrylic acid the step which comprises reacting an alkyl halogenated formate with propylene.

Pat. 2,028,012. Process for the Preparation of Esters of Unsaturated Acids. Jan. 14, 1936. Preparation of an alkyl ester of methacrylic acid by a process which includes the step of passing phosgene and propylene into beta-chloro-isobutyryl chloride containing a catalyst.

Pat. 2,043,670. Production of Monochlorisobutyric Acid. June 9, 1936. Chlorination of isobutyric acid in the presence of sulfur.

Pat. 2,063,078. Finishing System. Dec. 8, 1936. An article of manufacture having an enameled surface with a clear finish coat of polymerized methyl methacrylate.

Pat. 2,069,983. Coating Composition. Feb. 9, 1937. A coating composition comprising methyl methacrylate polymer and a resin of the class consisting of polyhydric alcohol-polybasic acid resins, cumarone resins, and phenol-aldehyde resins.

Pat. 2,072,904. Polymerization of Organic Compounds. Mar. 9, 1937. Polymerization of methyl methacrylate dissolved in a solvent comprising water and methanol, the water being present in amount just short of that necessary to give a cloudy solution.

Pat. 2,101,820. Process for the Preparation of Polymerizable Unsaturated Compounds. Dec. 7, 1937. Preparation of methacrylic esters by a process which includes the step of dehydrogenating a compound selected from the group consisting of isobutyraldehyde, isobutyric acid, and its esters.

Pat. 2,109,877. Ester Interchange Process. Mar. 1, 1938. Alcoholysis of a polymeric ester of acrylic or alkacrylic acids by means of an alcohol boiling higher than the alcohol whose radical forms a part of the polymeric ester.

Pat. 2,111,509. Production of Esters of Methacrylic Acid. Mar. 15, 1938. Preparation of methacrylic esters by halogenating isobutyric acid and subsequently dehydrohalogenating the esterified halogenated acid.

Pat. 2,111,510. Preparation of Methacrylic Acid and Esters. Mar. 15, 1938. Preparation of methacrylic esters by halogenating isobutyric acid, catalytically dehydrohalogenating the resulting halogenated acid to form methacrylic acid and esterifying the methacrylic acid.

Pat. 2,120,933. Dispersing Agent. June 14, 1938. Preparation of a dispersing agent by heating an acrylic ester with aqueous ammonia and subsequently polymerizing the product in aqueous solution.

Pat. 2,121,839. Process of Manufacturing Polymerization Products. June 28, 1938. Polymerizing methyl methacrylate in a water miscible alcohol solvent medium in which the polymer is insoluble.

Pat. 2,128,208. Alkoxy Derivatives of Methacrylic Acid Esters and Method of Producing Them. Aug. 23, 1938. Preparing alkoxy derivatives of methacrylic esters by reacting an alcohol with a methacrylic ester in the presence of an alkali metal and a compound of the class consisting of oxidized pinene, aged paraldehyde and ascaridole.

Pat. 2,129,662. Esters of Methacrylic Acid. Sept. 13, 1938. A mixture of methacrylic esters of alcohols obtained by catalytic hydrogenation of carbon oxides.

Pat. 2,129,663. Esters of Methacrylic Acid. Sept. 13, 1938. Polymerizing secondary alcohol methacrylic esters in methanol containing benzoyl peroxide and water at a temperature of about 65° C.

Pat. 2,129,664. Esters of Methacrylic Acid. Sept. 13, 1938. Polymeric methacrylic esters of aliphatic monohydric saturated tertiary alcohols.

Pat. 2,129,666. Esters of Methacrylic Acid. Sept. 13, 1938. Polymeric methacrylic esters of alicyclic alcohol or tetrahydrofurfuryl alcohol.

Pat. 2,129,667. Esters of Methacrylic Acid. Sept. 13, 1938. A methacrylic acid ester of an aralkyl alcohol.

Pat. 2,129,668. Ester of Methacrylic Acid. Sept. 13, 1938. Polymerizing isobutyl methacrylate at a temperature between 60 and 100° C.

Pat. 2,129,685. Esters of Methacrylic Acid. Sept. 13, 1938. Polymeric phenyl methacrylate.

Pat. 2,129,694. Esters of Methacrylic Acid. Sept. 13, 1938. Polymeric methacrylic esters of polyhydric alcohol ethers.

Pat. 2,135,443. Process of Manufacturing Polymerization Products. Nov. 1, 1938. Polymerizing acrylic compounds while dissolved in a quantity of solvent medium sufficient to maintain the monomer in solution but insufficient to dissolve the polymer.

Pat. 2,138,031. Amino Alcohol Acrylates. Nov. 29, 1938. Polymeric beta-diethyl aminoethyl acrylate.

Pat. 2,163,305. Process of Polymerizing Acrylic and Alkacrylic Compounds. June 20, 1939. Polymerization of methyl methacrylate while dispersed in water in the presence of methyl starch as the dispersing agent.

Pat. 2,173,005. Resinous Products from Aldehydes and Acrylic Amides. Sept. 12, 1939. Reaction between polymeric acrylic amides and aliphatic aldehydes.

Pat. 2,175,810. Preparation of Unsaturated Nitriles. Oct. 10, 1939. Preparation of methacrylonitrile by dehydrochlorinating alpha-chloroisobutyronitrile in the presence of ferric chloride.

Pat. 2,191,654. Leather Finish. Feb. 27, 1940. A leather finishing composition comprising a polymeric alpha-substituted acrylic acid ester of an alcohol containing from 3 to 8 carbon atoms, and albuminous material, shellac and wax.

Pat. 2,195,712. Halogenation of Unsaturated Carboxylic Acid Esters. Apr. 2, 1940. The acidified saponification product of the trichlorodimer of methyl methacrylate.

Pat. 2,199,774. Dehydrohalogenation of Alpha-Chloroisobutyric Esters with Zinc and Zinc Halides. May 7, 1940. Dehydrohalogenation of alpha-halogenated substituted propionic esters in the presence of zinc or zinc halides as catalysts.

Pat. 2,199,799. Addition Products of Thiophenols and Acrylic Acid Esters. May 7, 1940. Reacting thiophenol with an acrylic ester in the presence of actinic light.

Pat. 2,211,689. Hot Melt. Aug. 13, 1940. Hot melt containing n-butyl methacrylate and damar gum.

Pat. 2,232,595. Coating and Film Forming Compositions. Feb. 18, 1941. A blend of polymeric butyl methacrylate and paraffin wax.

Pat. 2,244,645. Process of Dimerization. June 3, 1941. Dimerizing methacrylic esters in the vapor phase in the presence of a dehydration type catalyst.

Pat. 2,244,703. Water Soluble Salts of Interpolymers Containing Methacrylic Acid. June 10, 1941. Preparation of a water-soluble interpolymer salt by polymerizing methacrylic acid with a nitrile, amide or ester of methacrylic acid and subsequently converting the interpolymer to a water-soluble salt.

Pat. 2,265,937. Treatment of Methacrylic Acid Esters. Dec. 9, 1941. Removing taste and odor from polymeric n-butyl methacrylate by treatment with aqueous sodium hydroxide containing methylated starch.

Pat. 2,268,185. Process of Preparing Methyl Alpha-Methyl-Beta-Mercaptopropionate. Dec. 30, 1941. Preparation of methyl alpha-methyl-beta-mercaptopropionate from MMA and H_2S.

Pat. 2,273,780. Wax Acrylate Ester Blends. Feb. 17, 1942. A blend of hydrogenated castor oil and a polymeric compound of the group consisting of acrylic acid and methacrylic acid esters of aliphatic alcohols containing more than two carbon atoms.

Pat. 2,289,540. Polymerization of Water Soluble Polymers. July 14, 1942. Polymerization of methacrylic acid in aqueous solution containing a compound of the group consisting of salts of per sulfuric, per carbonic, per phosphoric and sulfo-per-acids, or the corresponding free acids.

Pat. 2,327,302. Soap Composition. Aug. 17, 1943. Hard water having incorporated therein an alkali metal salt of a halogen substituted polyacrylic acid.

Pat. 2,373,464. Process for Inhibiting Polymerization. Apr. 10, 1945. Preparation of methyl methacrylate by refluxing a mixture of acetone cyanhydrin and methanol in the presence of hydroquinone while continuously passing air through the mixture and thereafter distilling methyl methacrylate from the mixture while maintaining direct contact between the vapors of the ester and air.

Miscellaneous Patents Relating to Sundry Nitrogen Compounds, Catalytic Oxidations, Dimethyl Ether Manufacture, Manufacture of HCN, Etc.

Pat. 1,895,516. Catalytic Process of Producing Ketones. Jan. 31, 1933. Dehydrogenating secondary alcohols with catalyst of difficultly reducible metal oxide of dehydrogenating metal and an oxide of a metal of Group 6 of periodic table.

Pat. 1,895,528. Catalytic Dehydration and Dehydrogenation Process. Jan. 31, 1933. Dehydrogenating O_2-containing compounds with dehydrogenating-dehydrating catalyst containing a basic alkali metal compound to repress dehydrating effect.

Pat. 1,895,529. Process of Catalytic Dehydration. Jan. 31, 1933. Dehydrating secondary alcohols with dehydrogenating-dehydrating catalytic oxide containing a more strongly acidic oxide to repress dehydrogenating effect.

Pat. 1,909,183. Acetic Acid Manufacture from Glycerol Fermentation Residues. May 16, 1933. Preparation of acetic acid by heating spent fermentation residues in presence of alkali and alkaline earth oxides, hydroxides, and carbonates.

Pat. 1,926,002. Manufacture of Wood Pulp. Sept. 5, 1933. Manufacture of paper pulp by digesting wood with ammonium bisulfite solution having a pH of about 1 to 1.7 and in an ammonia concentration of about 0.5 to 1%.

Pat. 1,943,345. Recovery of Ammonia from Cook Liquor. Jan. 16, 1934. In the recovery of ammonia from bisulfite cook liquor, the step which comprises making the hot cook liquor alkaline and recovering ammonia by bringing the liquor into contact with air, cooling the resulting gas and adsorbing the condensible ammonia in the condensed liquid while recovering the uncondensed ammonia by a scrubbing operation.

Pat. 1,948,441. Manufacture of Oxalic Acid. Feb. 20, 1934. In a process for the manufacture of oxalic acid from sodium oxalate by treatment with an ionizable mineral acid the step which comprises effecting the treatment in methanol solution.

Pat. 1,949,344. Process for the Preparation of Methyl Ether. Feb. 27, 1934. Manufacture of methyl ether by catalytically dehydrating methanol in the presence of aluminum phosphate.

Pat. 1,949,425. Catalytic Dehydrogenation Process for Producing Esters. Mar. 6, 1934. Catalytic dehydrogenation of polyhydric alcohols to esters with a catalyst such as a heavy metal chromite.

Pat. 1,975,853. Catalytic Dehydrogenation of Primary Alcohols. Oct. 9, 1934. Catalytic dehydrogenation of primary alcohols to esters, etc., using catalyst comprising metallic copper and a difficultly reducible metal oxide.

Pat. 1,980,118. Process for Resolving Emulsions. Nov. 6, 1934. Resolving emulsions by adding thereto a mixture of alcohols boiling at about 100° to 210° C., said alcohols having been obtained by hydrogenation of carbon monoxide.

Pat. 1,981,634. Process for the Prevention of Foam. Nov. 20, 1934. The process of decreasing foaming in liquids by adding an HTP alcohol boiling above 200° thereto.

Pat. 1,981,635. Foam Reduction. Nov. 20, 1934. The process of decreasing foaming in aqueous liquids by adding thereto an HTP alcohol boiling within the range of 133° to 210° C.

Pat. 1,981,758. Process for Dewaxing Petroleum Oil. Nov. 20, 1934. HTP alcohols as dewaxing agents.

Pat. 1,986,320. Phenol Recovery Process. Jan. 1, 1935. Extracting phenol from a phenol-bearing liquor by means of water miscible compounds obtained by hydrogenation of carbon oxides.

Pat. 1,988,455. Preparation of Glyoxal. Jan. 22, 1935. Making glyoxal from acetylene and oxygen in presence of nitric acid or nitric oxide catalyst.

Pat. 1,989,700. Manufacture of Aldehydic Compounds. Feb. 5, 1935. Subjecting carbon monoxide and a cyclic hydrocarbon to reacting conditions in the presence of an aldehyde-aluminum chloride complex obtainable by reaction of said hydrocarbon with carbon monoxide and aluminum chloride.

Pat. 1,995,915. Flotation of Minerals. Mar. 26, 1935. Concentration of minerals by froth flotation using a small amount of an HTP alcohol added to the mineral pulp.

Pat. 1,996,088. Recovery of Acetylene from Gases. Apr. 2, 1935. Recovering acetylene from vapors by scrubbing with a liquid comprising an ester of an aliphatic polybasic acid and a C_4–C_8 monohydric alcohol.

Pat. 1,999,196. Process for the Preparation of Condensation Products. Apr. 30, 1935. Preparation of condensation products by subjecting a secondary alcohol to the action of a dehydrogenation catalyst of the group consisting of chromium oxide and an oxide from the group consisting of manganese oxide and zinc oxide.

Pat. 2,003,477. Process for Effecting Organic Vapor Phase Reactions. June 4, 1935. In a process for the synthesis of organic compounds in the vapor phase in which carbon monoxide is one of the reacting constituents, the step which comprises activating the carbon monoxide and subsequently reacting it with the other reacting constituents.

Pat. 2,004,799. Process for Preparing Ammonium Sulphite or Bisulphite Solutions. June 11, 1935. Making ammonium sulphite or bisulphite solution by contacting ammonia and sulfur dioxide with water while controlling the temperature by introducing the ammonia at a plurality of levels.

Pat. 2,010,005. Motor Fuel. Aug. 6, 1935. Motor fuel containing methanol, gasoline, castor oil and HTP alcohols.

Pat. 2,012,945. Motor Fuel. Sept. 3, 1935. A motor fuel comprising methanol, paraffin hydrocarbons and borneol or isoborneol.

Pat. 2,014,374. Ammonia Recovery. Sept. 17, 1935. Alkalizing the hot cook liquor obtained in ammonium bisulfite treatment of pulp, exhausting ammonia therefrom, condensing the resulting gases containing some ammonia, and introducing the condensate containing water and ammonia into an absorption solvent through which sulfur dioxide is being passed and introducing uncondensed air-ammonia-gas from the condensing operation into the said tower at a point about one-sixth of the distance from the top of the absorption tower.

Pat. 2,014,408. Process for the Preparation of Methyl Ether. Sept. 17, 1935. Preparation of methyl ether by dehydrating methanol, separating the unreacted methanol and water from the dimethyl ether by distillation at conversion pressure, and condensing the thus separated methyl ether.

Pat. 2,014,717. Flotation Process. Sept. 17, 1935. Froth flotation process employing the sulfites of oxygenated organic compounds obtained by hydrogenation of carbon oxides.

Pat. 2,014,740. Hydration of Olefines. Sept. 17, 1935. Hydration of olefines to alcohols in the presence of a volatile halide and an absorbent material.

Pat. 2,027,389. Packing Fluid Seals. Jan. 14, 1936. A fluid-sealing material comprising a fibrous material comprising a fibrous base impregnated with a hydrogenated castor oil.

Pat. 2,027,390. Oil- and Water-Proof Product. Jan. 14, 1936. Container for lubricating oils, comprising fibrous organic sheet material impregnated with "Opalwax."

Pat. 2,035,386. Process of Producing Condensation Products of Halogenated Aliphatic Ethers. Mar. 24, 1936. Preparation of condensation products by dehalogenation of a halogenated alkyl monoether.

Pat. 2,036,380. Adsorbent Carbon. Apr. 7, 1936. Making ash-free carbon by heating sucrose in concentrated HCl, and igniting the resulting hard carbon mass.

Pat. 2,036,410. Process of Making Styrene Condensation Products of High Molecular Weight. Apr. 7, 1936. Making styrenes by heating aromatic hydrocarbons such as ethylbenzene in presence of a dehydrogenation catalyst.

Pat. 2,041,702. Polyhydric Alcohols and Processes for Making the Same. May 26, 1936. Condensation products of higher polyhydric alcohols and their preparation by heating said alcohols in presence of dehydrating oxides or hydroxides.

Pat. 2,046,145. Ketone Condensation Products. June 30, 1936. Dehydrogenation of secondary methyl carbinols and cyclic secondary alcohols to ketones with a catalyst also capable of simultaneously hydrogenating olefin bonds.

Pat. 2,047,606. Preparation of Alkyl Sulphates from Liquid Olefines. July 14, 1936. Making alkyl sulfates from liquefied olefin and 75–100% sulfuric acid.

Pat. 2,052,889. Addition Compounds of Methyl Ether and a Process for Their Preparation. Sept. 1, 1936. Preparation of dimethyl ether-aluminum halide addition compound.

Pat. 2,053,233. Catalyst and Catalytic Process. Sept. 1, 1936. In a process for the synthesis of organic compounds in which carbon monoxide is a reactant, the step of conducting the reaction in the presence of a hydrogen halide and active carbon.

Pat. 2,062,950. Esters. Dec. 1, 1936. Coconut alcohol esters of carbocyclic monocarboxylic acids (abietic).

Pat. 2,065,400. Chlorination of Methyl Ether and the Products Obtained Therefrom. Dec. 22, 1936. Unsymmetrical dichloromethyl ether.

Pat. 2,069,547. Product and Process of Sulphation of Compounds Obtained by Hydrogenation of Carbon Oxides. Feb. 2, 1937. Producing wetting agents by reacting oleum with the oily products obtained by catalytic reduction of oxides of carbon, and neutralizing the product with an alkali.

Pat. 2,072,739. Esters. Mar. 2, 1937. An ester of phthalyl-glycolic acid or other phthalyl-oxaliphatic acid, such as butyl-phthalyl vinyl-glycolate.

Pat. 2,072,806. Process for the Separation of Primary from Secondary Alcohols. Mar. 2, 1937. Esterification of the easily esterified portion of the mixture of compounds obtained by hydrogenation of carbon oxides by treatment with an organic dibasic acid anhydride, separating the resulting ester by distillation and by thermal decomposition of the unesterified portion.

Pat. 2,075,035. Process for Preparing Carboxylic Anhydrides. Mar. 30, 1937. Making anhydrides of carboxylic acids from alkyl esters of the acids, the anhydride of another acid, and an esterification catalyst.

Pat. 2,075,295. Organic Sulphides and a Method for Their Preparation. Mar. 30, 1937. Preparation of mercaptans by treating esters of HTP alcohols with alkali metal or alkaline earth metal sulfides.

Pat. 2,076,557. Process for the Separation of Hydrocarbons. Apr. 13, 1937. Fractional distillation of a mixture of gaseous hydrocarbons with isolation of a C_3 fraction.

Pat. 2,086,507. Preparation of Hydrocyanic Acid. July 6, 1937. Synthesis of hydrocyanic acid by catalytic dehydrogenation of formamide in the presence of fused manganese oxide.

Pat. 2,090,592. Process for Producing Alkali Metal Ureas. Aug. 17, 1937. Producing sodium urea by reacting metallic sodium with urea in anhydrous liquid ammonia.

Pat. 2,091,241. Process for the Preparation of Dicarboxylic Acid Esters. Aug. 24, 1937. Esterifying HTP alcohols or cyclohexanol with dicarboxylic acid anhydrides in the presence of an inert solvent.

Pat. 2,094,128. Chemical Process. Sept. 28, 1937. Pyrolysis of hydrocarbons under specified conditions in presence of chromium or cobalt sulfomolybdate.

Pat. 2,097,750. Synthesis of Alkyl Halides. Nov. 2, 1937. Preparation of alkyl halides from olefin hydrocarbons and hydrogen halides of Group II–B metal halides ($ZnCl_2$) as catalysts.

Pat. 2,099,814. Preparation of Isopropyl Sulphates. Nov. 23, 1937. Preparing mono-isopropyl sulfates from liquid propylene and 87.5–93% sulfuric acid.

Pat. 2,101,823. Process of Preparing Cyanhydrins. Dec. 7, 1937. Preparation of aldehyde or ketone cyanhydrins by a process which includes the step of initiating the reaction by dissolving at least a portion of the catalyst in the product of the reaction and adding the resulting solution to the reactants.

Pat. 2,102,370. Flotation Process. Dec. 14, 1937. Froth flotation process employing a sulfuric acid derivative of a mixture of oxygenated organic compounds boiling above 100° C. obtained by hydrogenation of carbon oxides.

Pat. 2,110,073. Coating Composition. Mar. 1, 1938. Oil-type varnishes containing rosin/glycerol/hydrogenated phenol-formaldehyde resins.

Pat. 2,113,588. Separating Gasoline from Gases. Apr. 12, 1938. Process and apparatus for separating the gasoline fraction from gaseous cracked petroleum products by successive compression, cooling, separation, and rectification.

Pat. 2,116,867. Glue, Adhesive, and the Like. May 10, 1938. Preparation of pastes by reaction between dialkyl sulfate and starch in the presence of alkali added at such a rate that no large excess of unreacted alkali is present at any time.

Pat. 2,123,520. Process of Making Aldehydes. July 12, 1938. Catalytic oxidation of long chain primary alcohols to aldehydes.

Pat. 2,126,113. Cellulose Derivative Composition. Aug. 9, 1938. Carbamates of HTP alcohols as plasticizers for cellulose esters.

Pat. 2,130,664. Lubricant. Sept. 20, 1938. A motor fuel combustion lubricant containing castor oil and higher alcohols obtained by hydrogenation of oxides of carbon, said alcohols boiling at about 200° to 275° C.

Pat. 2,135,641. Esters of C-Dialkylglycines. Nov. 8, 1938. Long chain esters of C-dialkylglycines.

Pat. 2,135,709. Acetic-Pyruvic Anhydride. Nov. 8, 1938. Acetic pyruvic anhydride and its preparation from ketene and pyruvic acid.

Pat. 2,137,830. Dye Stain. Nov. 22, 1938. Dye stain solvent comprising methanol and formamide or ammonium formate.

Pat. 2,137,871. Dye Stain Composition. Nov. 22, 1938. Dye stain solvent comprising methanol, urea, and in some instances toluene, ethylene glycol, etc.

Pat. 2,139,679. Diamides of Unsaturated Carboxylic Acids and Process of Making the Same. Dec. 13, 1938. Diamides from long chain diamines and unsaturated monocarboxylic acids.

Pat. 2,143,816. Dithiohydantoins. Jan. 10, 1939. A reaction product of carbon disulfide and a secondary alpha-amino-mononitrile; a 2,4-dithiohydantoin.

Pat. 2,159,926. Method of Softening Plastic Sheets. May 23, 1939. Softening nitrocellulose plastic compositions by means of a solution containing water, methanol and diisopropyl ketone.

Pat. 2,163,284. Alkyl Cyclohexanones and Process for Producing Same. June 20, 1939. Dehydrogenation of alicyclic secondary alcohols to ketones.

Pat. 2,166,140. Dialkyl Formamides as Selective Solvents for Refining Mineral Oils. July 18, 1939. Separating non-paraffinic hydrocarbons from paraffinic hydrocarbons by means of an N-dialiphatic formamide.

Pat. 2,173,114. Process for the Dehydrogenation of Secondary Hydroxy Compounds and Products Obtained Therefrom. Sept. 19, 1939. Catalytic dehydration of long chain secondary alcohols to ketones.

Pat. 2,173,187. Process for Hydrating Olefins. Sept. 19, 1939. Hydration of olefins to alcohols with heteropoly acid catalysts.

Pat. 2,174,985. Process for the Esterification of Olefins. Oct. 3, 1939. Contact esterification of olefins in the presence of a heteropoly acid catalyst (Reaction with acids).

Pat. 2,175,805. Stabilized Organic Nitrile and Process of Making. Oct. 10, 1939. Distillation of formaldehyde cyanhydrin at a pH below 6.

Pat. 2,175,811. Manufacture of Ketenes. Oct. 10, 1939. Pyrolysis of lower alkyl esters to ketenes.

Pat. 2,178,760. Process for the Dehydrogenation of Hydroxy Carboxylic Acids and Esters Thereof. Nov. 7, 1939. Dehydrogenation of long chain hydroxy acids and esters to ketones.

Pat. 2,178,761. Catalytic Formation of Long-Chain Aldehydes. Nov. 7, 1939. Catalytic dehydrogenation of long chain primary alcohols to aldehydes.

Pat. 2,179,215. Amino Ketones and Method of Making. Nov. 7, 1939. Preparation of amino ketones by reaction between ketones, formaldehyde and amino compounds.

Pat. 2,183,503. Polymerization of Olefins. Dec. 12, 1939. Polymerization of olefins in the presence of hydrated boron fluoride.

Pat. 2,183,852. Solvent Extraction. Dec. 19, 1939. Separating liquid hydrocarbons into fractions by means of a solvent containing a substituted aliphatic amide and an alcohol.

Pat. 2,191,555. Process for Making Porous Structures. Feb. 27, 1940. Inflation of plaster with nitrogen formed in situ from urea, sodium nitrate, and sulfuric acid.

Pat. 2,201,170. Secondary Thioamides and Process of Preparing Them. May 21, 1940. Preparation of thioamides from hydrogen sulfide, nitriles, and primary amines.

Pat. 2,201,171. Monomeric Polar-Substituted Thioamides and Their Preparation. May 21, 1940. Monomeric, polar-substituted, surface-active thioamides.

Pat. 2,201,200. Process of Preparing Thiolactams. May 21, 1940. Preparation of thiolactams from hydrogen sulfide and short-chain aminonitriles.

Pat. 2,211,626. Alcoholysis of beta-Alkoxy Methyl Ethers. Aug. 13, 1940. Preparation of glycerol by reacting an alcohol with glycerol beta-alkoxy alkyl ether in the presence of a hydrolyzing catalyst.

Pat. 2,212,141. Esters and Their Preparation. Aug. 20, 1940. Preparation of esters of beta-substituted ethanthiols from ethylene sulfide and anhydrides.

Pat. 2,214,790. Process and Apparatus for Separating Gases. Sept. 17, 1940. Use of ammonia as a refrigerant in recovery of ethylene from mixtures of gaseous hydrocarbons.

Pat. 2,215,950. Chemical Process. Sept. 24, 1940. Steam pretreatment of chrome alloy tubes in oil cracking.

Pat. 2,217,354. Manufacture of Methyl Borate. Oct. 8, 1940. Preparation of methyl borate by heating boric acid with methanol and separating from the mixture by fractional distillation a substantially anhydrous azeotrope of methyl borate and methanol.

Pat. 2,222,275. Process for the Separation of Hydrocarbons. Nov. 19, 1940. Separation of normally gaseous hydrocarbon mixtures from oil cracking.

Pat. 2,222,276. Apparatus and a Process for the Recovery of Gasoline from Cracked Petroleum Hydrocarbons. Nov. 19, 1940. Apparatus and method for gasoline recovery in oil cracking.

Pat. 2,223,303. Process for the Catalytic Hydrogenation of Carboxylic Acid Substances to Amines. Nov. 26, 1940. Preparation of amines by ammoniacal hydrogenation of higher carboxylic acids.

Pat. 2,229,651. Process of Alcoholysis. Jan. 28, 1941. Preparation of alkyl orthoformates from alkyl orthotrithioformates and alkanols.

Pat. 2,229,665. Preparation of Alkyl Ketals from Mercaptoles and Alcohols. Jan. 28, 1941. Preparation of alkyl ketals from mercaptoles and alkanols.

Pat. 2,230,390. Process for the Production of Thiols. Feb. 4, 1941. Hydrogenation of nitriles in the presence of sulfur to thiols.

Pat. 2,232,761. Process for the Treatment of Petroleum Distillates. Feb. 25, 1941. Process for producing pure aromatics and solvent naphthas from petroleum distillates.

Pat. 2,238,671. Method of Treating Wells. Apr. 15, 1941. Treating an oil well to increase production thereof by introducing a readily hydrolysable amide ester or salt of lower aliphatic acid.

Pat. 2,250,925. Process for the Separation of Acetylene from Admixture with Ethylene. July 29, 1941. Process for separating acetylene from admixture with ethylene.

Pat. 2,251,216. Sulphur Removal from Gases. July 29, 1941. Removal of hydrogen sulphide from gaseous mixtures of an absorbent agent of the class consisting of normally liquid mono- and dialkyl N-substituted aliphatic acid amides.

Pat. 2,251,217. Ore Flotation. July 29, 1941. Concentrating mineral ores by a froth flotation process employing a glycolic ester.

Pat. 2,251,225. Synthetic Wax Composition and Process of Preparing the Same. July 29, 1941. A homogeneous wax product comprising more than 50% 12-hydroxystearin and a minor proportion of abietyl alcohol.

Pat. 2,257,800. Alloy Skeleton Catalyst. Oct. 7, 1941. Easily suspensible cobalt catalysts.

Pat. 2,265,949. Recovery of Potassium Alkoxide Condensing Agents. Dec. 9, 1941. Introducing carbon dioxide into a reaction product containing a potassium alkoxide condensing agent, separating the resulting precipitate, hydrolyzing it and subsequently heating the hydrolysed product and leaching the heated product with an alcohol to obtain the potassium alkoxide.

Pat. 2,278,550. Preparation of Alkali Metal Alkoxides. Apr. 7, 1942. Preparation of an alkali metal alkoxide by reacting an alkali metal salt of a weak acid with an alcohol in which it is soluble.

Pat. 2,283,683. Chemical Process. May 19, 1942. Purification of aliphatic aminoacyl compounds through conversion to organic acid salts.

Pat. 2,286,034. Preparation of Substituted Aldehydes. June 9, 1942. Dehydrogenation of monomethyl ether of ethylene glycol to methoxy acetaldehyde in the presence of a catalyst containing copper oxide, silicon dioxide and chromium oxide.

Pat. 2,286,037. Process for the Preparation of Substituted Glyceric Aldehydes. June 9, 1942. Preparation of alpha-methyl ether of glyceric aldehyde by reaction between formaldehyde and methoxyacetaldehyde in the presence of an alkaline catalyst.

Pat. 2,298,187. Baking Powder Composition. Oct. 6, 1942. A baking powder containing a carbonate and an aliphatic organic acid amide.

Pat. 2,302,598. Detergent. Nov. 17, 1942. Treating hard water with disodium hydroxynitrilodisulfonate or related compounds.

Pat. 2,302,611. Treatment of Wood. Nov. 17, 1942. In the seasoning of wood the step which comprises coating the outer surface of the wood with a saturated monoammonium phosphate solution, the wood being at a temperature at least 5° below that of the monoammonium phosphate solution.

Pat. 2,307,929. Preparation of Hydroxylamine. Jan. 12, 1943. Preparation of a hydroxyl amine salt by pyrolysis of an organic nitrile, and collecting the reaction products in the presence of a mineral acid to form the hydroxyl amine salt of the acid.

Pat. 2,307,937. Removal of Formaldehyde from Mixtures Containing the Same. Jan. 12, 1943. Removing formaldehyde from hydroxy aldehydes and ketones by acetalization with methanol.

Pat. 2,316,215. Production of Amino Acids from Their Hydrohalides. Apr. 13, 1943. Liberation of amino acids from their hydrochlorides by means of pinene.

Pat. 2,316,604. Oxidation of Organic Compounds. Apr. 13, 1943. Oxidation of allyl chloride or related compounds to the corresponding hydroxylated compounds in the presence of an initiator and an organic solvent for the allyl chloride.

Pat. 2,316,636. (Re. 22,352). Polycarboxylic Acids. Apr. 13, 1943. Preparation of polycarboxylic acids by reacting sodium chloroacetate with water and ethanol amine in the presence of sodium carbonate and acidifying the resulting solution.

Pat. 2,321,552. Latex Coagulation. June 8, 1943. Glycolic acid as a latex coagulant.

Pat. 2,327,323. Water-Treating Agent. Aug. 17, 1943. Hard water having incorporated therein a precipitate-inhibiting amount of pyrimidine as a water-softening agent.

Pat. 2,328,940. Preparation of Amino Acids. Sept. 7, 1943. Preparation of alpha-aminopropionic acids from esters of alpha-hydroxypropionate and ammonia or amines.

Pat. 2,334,476. Unsaturated Isocyanate. Nov. 16, 1943. Isopropenyl isocyanate.

Pat. 2,334,782. Process for the Preparation of Disecondary Diamines. Nov. 23, 1943. Preparation of disecondary diamines from primary amines and dihalides.

Pat. 2,335,608. Product and Process. Nov. 30, 1943. Synthetic lubricants obtained by interpolymerization of monoolefin hydrocarbon and halogen-containing monoolefin.

Pat. 2,340,745. Isomerization of Ricinoleic Compounds. Feb. 1, 1944. Isomerization of ricinoleyl to 12-keto-stearyl compounds with specially prepared Co and Ni catalyst.

Pat. 2,346,642. Process for the Production of Olefines and Aromatic Hydrocarbons. Apr. 18, 1944. Improvements in cracking oil to ethylene and aromatics; adding C_4–C_7 hydrocarbons.

Pat. 2,347,494. N-Substituted Amide and Method for Preparing the Same. Apr. 25, 1944. N-(beta-hydroxyethyl) hydroxyacetamide and related compounds as compositions of matter.

Pat. 2,357,283. Process for the Production of N Alkylol Amides. Sept. 5, 1944. Preparation of N alkylol amides by reaction between a carboxylic acid amide and an alkylene oxide.

Pat. 2,362,511. Modified Glycolide Resins. Nov. 14, 1944. Preparation of a lactic acid-modified polyglycolide.

Pat. 2,364,377. Process for the Preparation of Butadiene. Dec. 5, 1944. Preparation of butadiene by pyrolysis of cyclohexane followed by absorption of butadiene in a liquid hydrocarbon.

Pat. 2,373,627. Organic Phosphorus Compounds. Apr. 10, 1945. A phosphite of a compound selected from the group consisting of esters and amides of hydroxyacetic acid.

Pat. 2,375,301. Preparation of Esters. May 8, 1945. Preparation of esters from primary amides and primary alkyl halides.

Pat. 2,382,865. Bright Dip. Aug. 14, 1945. Bright dipping of copper in an aqueous glycolic acid bath.

Pat. 2,384,726. Ether Esters. Sept. 11, 1945. 1-Acyl-oxyethyl ethers of alpha-hydroxyacid esters.

Pat. 2,384,731. Vulcanized Isobutylene-Monovinylacetylene Synthetic Rubber. Sept. 11, 1945. Selected MVA/isobutylene copolymers and preparation at low temperature with BF_3 catalyst.

Pat. 2,385,661. Polymers from Dioxane. Sept. 25, 1945. Polymerization of 1,3-dioxanes after cleavage with acid catalyst.

Pat. 2,388,189. Amino Acid Synthesis. Oct. 30, 1945. Preparation of aminoacetic acid by high pressure carbonation of an alkaline earth metal salt of aminoacetic acid.

Pat. 2,391,267. Amides. Dec. 18, 1945. Long chain N,N'-thiobisamides, RCO—NH—S—NH—COR.

Pat. 2,395,307. Preparation of Organic Salts. Feb. 19, 1946. Preparation of heavy metal soaps of fatty acids by passing a fatty acid and air into a reaction zone charged with a heavy metal.

Pat. 2,399,625. Methyl Ethenyloxyacetate. May 7, 1946. Methyl ethenyloxyacetate.

Pat. 2,402,456. Chemical Process. June 18, 1946. Process for sulfurization of normally gaseous monoolefins.

Pat. 2,402,586. Chemical Processes. June 25, 1946. Preparation of thiols from ethylenic compounds H_2S, and H_2.

Pat. 2,402,639. Lactones of Mercapto Carboxylic Acids and Process of Preparing Them. June 25, 1946. Preparation of mercaptocarboxylic acids by hydrogenation of aldehydo- or keto-acids (or derivatives) in the presence of S, H_2S, etc.

Pat. 2,406,410. Production of Organic Sulphides. Aug. 27, 1946. Preparation of sulfides by hydrogenation of carbonyl compounds in presence of thiols and sulfactive catalysts.

SCHEDULE 2

Patents Relating to Ceramics

Pat. 1,948,461. Production of Opaque Glasses and Enamels. Feb. 20, 1934. Addition of gas-producing constituents to enamel frits.

Pat. 1,954,353. Materials for Decorating Surfaces. Apr. 10, 1934. Mixture of palladium and gold suspensions or solutions of compounds such as resinates in an essential oil, etc. is applied to a ceramic article and burned to give a brilliant, gray-white decorative coating.

Pat. 1,977,625. Process of Decorating Glass. Oct. 23, 1934. A silver decoration is applied to glassware by spraying a suspension of silver oxide in an oil-resin mixture upon hot glass.

Pat. 1,983,151. Coloring Agents for Glass Batches. Dec. 4, 1934. A cadmium sulfo-selenide composition for coloring glass and process for making ruby glass.

Pat. 2,102,630. Clouded Vitreous Enamel. Dec. 21, 1937. Enamel slip containing a gas-evolving substance.

Pat. 2,103,228. White Clouded Vitreous Enamel. Dec. 21, 1937. Enamel slip containing clay and a gas-evolving substance.

Pat. 2,103,229. Process for Making White Clouded Vitreous Enamel. Dec. 21, 1937. Incorporating into enamel slip, clay, a gas-evolving substance and a glossing agent.

Pat. 2,118,047. White Clouded Vitreous Enamel. May 24, 1938. Enamel frit containing cryolite, B_2O_3 and added Al_2O_3.

Pat. 2,130,215. Transparent Glass Color. Sept. 13, 1938. Transparent ceramic color consisting of a lead borosilicate base and cadmium sulfide and/or cadmium sulfo-selenide.

Pat. 2,147,202. Opaque Vitreous Enamel and Process of Making the Same. Feb. 14, 1939. Enamel frit containing cryolite, clay and gas-evolving material.

Pat. 2,165,554. White Opaque Vitreous Enamel Frit. July 11, 1939. Enamel frit containing silicate, borate and fluorine compound.

Pat. 2,174,517. Manufacture of Glass. Oct. 3, 1939. Use of cyanogen compounds, e. g. cyanides, cyanates and cyanamides, in glass manufacture.

Pat. 2,207,723. Glaze for Ceramic Decoration. July 16, 1940. Acid and alkali resistant ceramic glaze containing bismuth oxide, lead oxide, and silica.

Pat. 2,225,159. Acid-Resisting Glass Flux. Dec. 17, 1940. Low-melting lead borosilicate fluxes containing titanium dioxide for use as acid-resistant decorative glazes for glass.

Pat. 2,225,160. Opaque White Glaze for Decorating Glassware. Dec. 17, 1940. Titanium oxide milled with a flux containing not more than 75% PbO nor less than 15% SiO_2 affords a stable opaque white glaze for glass.

Pat. 2,225,161. Glaze for Decorating Glassware. Dec. 17, 1940. Low-melting, boric oxide-free, acid-resistant glaze for glass. Contains lead oxide, silica, titanium oxide and sodium monoxide.

Pat. 2,225,162. Vitrifiable Enamel. Dec. 17, 1940. Sulfide-resistant vitrifiable lead silicate and borosilicate enamels containing both titanium and lithium oxides as melted-in ingredients.

Pat. 2,236,852. Process for Producing Enamel. Apr. 1, 1941. Enamel slip containing polybasic acid or salt thereof.

Pat. 2,248,021. Ceramic Coloring Agents. July 1, 1941. Copper-chrome black enamel pigment for enamels is improved by chromic oxide or acid to copper chromate, followed by calcining the product.

Pat. 2,255,044. Low-Melting Decorative Glazes of Increased Resistance to Chemical Agents. Sept. 9, 1941. Low-melting (e. g. Pb silicate or borosilicate) enamels or glazes for decorating glassware which contain a metal chloride, bromide or iodide as a melted-in ingredient.

Pat. 2,264,749. Ceramic Pigments for Graining. Dec. 2, 1941. Copper-chrome graining pigment for enamels prepared by adding a metal cyanide, e. g. Co, Cd, Cu or Zn cyanide.

Pat. 2,267,928. Process for Making White Clouded Enamel. Dec. 30, 1941. Enamel coating containing cerium.

Pat. 2,278,868. Glass Colors of High Alkali Resistance. Apr. 7, 1942. Low-melting, alkali-resistant glazes prepared by melting zirconium dioxide into a low-melting, high lead content glaze containing both boric oxide and alkali metal oxide.

Pat. 2,304,750. Ceramic Pigments. Dec. 8, 1942. Black ceramic pigment for graining comprising copper-chrome black pigment to which has been added as a mill addition not over 10% of zinc sulfide.

Pat. 2,305,313. Process for Making White Clouded Enamel. Dec. 15, 1942. Enamel slip containing a gas clouding agent and an antimony compound.

Pat. 2,316,745. Ceramic Decorating Compositions. Apr. 13, 1943. Methyl cellulose in vehicles for applying ceramic colors to glassware.

Pat. 2,338,099. Alkali-Resistant Glazes. Jan. 4, 1944. An alkali-resistant glaze of high lead content comprising lead oxide, silica, zirconium dioxide, and an alkali metal fluoride. The zirconium dioxide content ranges from 1 to 9% by weight and is melted into the glaze composition.

Pat. 2,351,252. Enamels. June 13, 1944. Enamel compositions characterized by a high content of dissolved iron oxides. These compositions also contain lead oxide, silica, boric oxide, alkali metal oxide, and may contain other metal oxides.

Pat. 2,359,462. Decalcomania. Oct. 3, 1944. Production of a ceramic decalcomania transfer having great freedom from blistering and other firing defects, utilizing a series of vitrifiable colors compounded in different fluxes, each color being in a different flux composition.

Pat. 2,383,704. Burnish Gold. Aug. 28, 1945. A burnish gold preparation for decorating ceramicware containing metallic gold and, as solid diluent constituent, powdered elementary sulfur.

Pat. 2,394,591. Electrical Resistor. Feb. 12, 1946. An electrical resistor is produced by applying a thin slip of clay to the wire wound core, drying and coating the whole with a vitreous enamel slip containing 28–55% lead oxide, 5–20% zinc oxide, 10–30% boric oxide, 4–10% alumina, and 11–32% silica and firing. A second coat of enamel may then be applied.

Pat. 2,398,686. Electrical Resistor and Method of Making Same. Apr. 16, 1946. Method of making wire wound electrical resistors by applying a coating of aqueous suspension of clay to a core wound with resistance wire, drying, applying vitreous enamel slip, again drying and firing.

Pat. 2,411,031. Manufacture of Optical Glass. Nov. 12, 1946. A method for homogenizing glass (to render it suitable for optical use) which involves splitting a mass of molten glass into a plurality of separate streams, and recombining the streams in an order different from that in which they were originally present in the glass mass, the recombination serving to eliminate bubbles of gas entrapped therein. Apparatus for carrying out this fining is also disclosed.

Pat. 2,416,804. Method of Coating Wire-Wound Electrical Resistors. Mar. 4, 1947. Coating wire-wound electrical resistors with a slip comprising an aqueous suspension of 98–50% clay and 2–50% bentonite, drying the coating; applying vitreous enamel slip, drying and firing.

Pat. 2,418,684. Selenium Ruby Glass. Apr. 8, 1947. A selenium ruby glass of increased depth of color for the amount of selenium compound used in which part of the sodium carbonate of the batch is replaced by sodium peroxide.

Pat. 2,425,032. Enamels for Resistors. Aug. 5, 1947. An insulated electrical resistor unit comprising a ceramic base, a resistance wire wound thereon, and on them an insulating vitreous enamel comprising lead oxide, zinc oxide, alumina and boric oxide in specified proportions.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 16, 1948

[VOL 616. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 495,768. THE SPONGE RUBBER PRODUCTS COMPANY, Shelton, Conn. Filed Jan. 31, 1946.

Texlite

FOR RESILIENT HIGHLY COMPRESSIBLE MATERIAL COMPRISING MUTUALLY ENTANGLED SPOT JOINED FLEXIBLE FILAMENTS IN THE FORM OF LONG NATURAL OR SYNTHETIC, ANIMAL, VEGETABLE OR MINERAL FIBERS FORMING A SPRINGY MASS PERMEATED BY VOIDS.

Claims use since Oct. 16, 1945.

Ser. No. 507,435. SOCIÉTÉ DE PRODUITS CHIMIQUES DES TERRES RARES, Paris, France. Filed Aug. 14, 1946.

S.T.R.

FOR RARE EARTHS, CHEMICAL ELEMENTS HAVING THE ATOMIC NUMBERS 39 AND 57 TO 71 IN MENDELEIEFF'S CLASSIFICATION, AND THE RARE EARTH OXIDES.

Claims use since Oct. 20, 1919.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 523,712. SNO-FLAKE PRODUCTS CO., Detroit, Mich. Filed June 6, 1947.

SNO-FLAKE

FOR HAND RUBBING COMPOUND FOR NEWLY SPRAYED LACQUERED SURFACES, WHEEL POLISHING PASTE AND RUBBER DRESSING.

Claims use since June 15, 1914.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 512,008. LUZIERS, INC., Kansas City, Mo. Filed Nov. 4, 1946.

Faithfully Yours

FOR PERFUME.

Claims use since Oct. 21, 1946.

Ser. No. 514,248. BASSETT COMPANY, Columbus, Ohio. Filed Dec. 14, 1946.

LADY LOVE

FOR PERFUME.

Claims use since Nov. 11, 1946.

Ser. No. 524,481. WILLIAM F. REDMOND, doing business as Zero-Moth Manufacturing Co., Summit, N. J. Filed June 19, 1947.

ZERO-MOTH

The word "Moth" is disclaimed apart from the mark.

FOR MOTHPROOFING FLUID.

Claims use since July 19, 1946.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 517,881. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa. Filed Feb. 21, 1947. Under section 5b of the act of 1905 as amended in 1920 as to "Newhouse."



FOR TRAP GUNS FOR PREDATORY ANIMALS, ANCHORING AND SETTING EQUIPMENT AND CARTRIDGES THEREFOR.
Claims use since Jan. 23, 1947.

Ser. No. 518,511. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa. Filed Mar. 5, 1947. Under section 5b of the act of 1905 as amended in 1920.

Newhouse

Applicant owns Reg. Nos. 68,999 and 264,784.
FOR TRAP GUNS FOR PREDATORY ANIMALS, ANCHORING AND SETTING EQUIPMENT AND CARTRIDGES THEREFOR.
Claims use since Jan. 23, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 503,962. WESTERN BRONZE AND FOUNDRY CORPORATION, Phoenix, Ariz. Filed June 14, 1946.

SOIL-AL

The word "Soil" is disclaimed.
FOR PIPES, TRAPS, PIPE BENDS, AND T'S MADE OF METAL.
Claims use since April 1946.

Ser. No. 507,963. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Aug. 24, 1946.



The representation of the goods is disclaimed. The mark consists of a narrow gold-colored stripe extending longitudinally on the exterior surface of the pipe.
FOR METAL PIPE AND TUBING.
Claims use since June 13, 1946.

Ser. No. 508,344. WELCO PRODUCTS CO., Kansas City, Mo. Filed Aug. 30, 1946.



The words "Platter-Liner" are disclaimed apart from the mark as shown.
FOR COMBINED FOOD COOKING AND SERVING UTENSIL MADE OF METAL—NAMELY, A SKILLET.
Claims use since Aug. 14, 1946.

CLASS 19

VEHICLES

Ser. No. 499,297. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass. Filed Mar. 29, 1946. Under section 5b of the act of 1905 as amended in 1920.



FOR BICYCLES AND PARTS THEREOF.
Claims use since Feb. 1, 1946.

Ser. No. 519,198. KING QUALITY PRODUCTS CO., St. Louis, Mo., and Indianapolis, Ind. Filed Mar. 18, 1947.

KING QUALITY

No claim is made to the word "Quality" apart from the mark as shown.
FOR VEHICLE WHEEL SUSPENSION AND STEERING MECHANISM PARTS—NAMELY, UPPER AND LOWER CONTROL ARM SHAFTS, UPPER AND LOWER CONTROL ARMS, UPPER AND LOWER SUPPORT PINS, RADIUS RODS, RADIUS ROD BRACKETS, BRAKE FLANGE BRACKETS, COIL SPRINGS, COIL SPRING SPACERS, KING BOLTS, KING BOLT BUSHINGS, KING BOLT LOCK PINS, KING BOLT EXPANSION PLUGS, KING BOLT THRUST BEARINGS, IDLER ARMS, IDLER ARM SUPPORTS, IDLER ARM BOLTS AND BUSHINGS, WHEEL SUSPENSION BOLTS, WHEEL SUSPENSION NUTS, WHEEL SUSPENSION BUSHINGS, STEERING KNUCKLE BOLTS AND BUSHINGS, STEERING KNUCKLE SUPPORT PINS, STEERING KNUCKLE SUPPORTS, TIE ROD BOLTS AND BUSHINGS, TIE ROD SOCKETS, INTERMEDIATE RODS, SPRING SHACKLE BOLTS AND BUSHINGS, SILENT-U SHACKLES, SILENT-U BOLTS AND BUSHINGS, SILENT-U TAPS.
Claims use since Sept. 1, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 497,443. AUDIO INDUSTRIES, Michigan City, Ind. Filed Mar. 1, 1946.

ULTRATONE

FOR ELECTRICAL PHONOGRAPHS AND PARTS THEREFOR.
Claims use since Aug. 1, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 498,047. WILLIAM LOCKERBIE WILLIAMS, doing business as Parfex Company, Los Angeles, Calif. Filed Mar. 11, 1946.

WEDGONS

FOR TOY CONSTRUCTION BLOCKS.
Claims use since Sept. 25, 1945.

Ser. No. 510,850. LUDINGTON-GRISWOLD, INC., Saybrook, Conn. Filed Oct. 14, 1946.



The conventionalized streamlined representation of an airship, and the word "Super" are both disclaimed apart from the association with the mark shown.
FOR TOY GLIDERS.
Claims use since July 26, 1946.

Ser. No. 518,306. MITCHELL & NESS, INC., Philadelphia, Pa. Filed Feb. 28, 1947.

IVY LEAGUE

FOR FOOTBALLS.
Claims use since Jan. 31, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 469,844. THE MCBEE COMPANY, Athens, Ohio. Filed May 1, 1944.



Applicant disclaims the name "McBee" part from the mark as shown.
FOR OFFICE MACHINES AND TOOLS—VIZ: MACHINES FOR PUNCHING CARDS, MACHINES FOR GROOVING THE MARGINAL EDGES OF CARDS, MACHINES FOR BINDING CARDBOARD AND PAPER, AND INSTRUMENTS FOR USE IN SORTING PUNCHED CARDS.
Claims use since April 1927.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 517,569. FLORAL CITY COMPANY, Monroe, Mich. Filed Feb. 15, 1947.

FLO-CO

FOR USE ON COAL, GAS, AND OIL BURNING FURNACES USED IN HEATING HOMES AND OTHER BUILDINGS.
Claims use since September 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 516,217. ROBBINS TIRE AND RUBBER COMPANY, INC., Tuscumbia, Ala. Filed Jan. 23, 1947.

TOP FLIGHT

FOR INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Jan. 4, 1947.

Ser. No. 516,218. ROBBINS TIRE AND RUBBER COMPANY, INC., Tuscumbia, Ala. Filed Jan. 23, 1947.

TOP FLIGHT DELUXE

Applicant disclaims the word "Deluxe" apart from the mark.
FOR INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Jan. 4, 1947.

Ser. No. 516,314. ROBBINS TIRE AND RUBBER COMPANY, INC., Tuscumbia, Ala. Filed Jan. 24, 1947.

DIXTE

FOR INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Sept. 4, 1936.

CLASS 37

PAPER AND STATIONERY

Ser. No. 515,881. KALAMAZOO VEGETABLE PARCHMENT CO., Kalamazoo, Mich. Filed Jan. 17, 1947.



No claim is made to the word "Paper" apart from the mark shown.
FOR WAXED WRAPPING PAPER, PARCHMENTIZED WRAPPING PAPER, ENAMELED AND GLAZED SHELF AND LINING PAPER, PAPER PIE TAPE, PRESSING PARCHMENT, PAPER WASH CLOTHS, AND PARCHMENT PAPER FOR HOUSEHOLD COOKERY.
Claims use since Mar. 20, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 518,496. TUNG-SOL LAMP WORKS, INC., Newark, N. J. Filed Mar. 4, 1947.

TUNG SOL

FOR TECHNICAL DATA PUBLICATIONS.
Claims use since Dec. 1, 1939.

CLASS 39

CLOTHING

Ser. No. 495,702. LA SOCIÉTÉ DE PERSONNES À RESPONSABILITÉ LIMITÉE, TRICOLUX, Bruxelles, Belgium. Filed Jan. 30, 1946.

TRICOLUX

FOR MEN'S, WOMENS', AND CHILDREN'S KNITTED WEARING APPAREL—NAMEYL, DRESSES, BLOUSES, CARDIGANS, SWEATERS, AND T-SHIRTS, WAISTCOATS, COATS, SUITS, SLACKS, OUTER AND UNDER SHORTS, AND PANTIES.
Claims use since 1930.

Ser. No. 509,539. SOUTHERN KNITWEAR MILLS, INC., Charlotte, N. C. Filed Sept. 21, 1946.

NORLINE

FOR CHILDREN'S CLOTHING—NAMELY, SWEATERS, BOOTEE SETS, LEGGING SETS, BOOTEES, SACQUES, CAPS, AND KNITTED CHILDREN'S DRESSES.
Claims use since Sept. 9, 1946.

Ser. No. 513,710. BADGER GLOVE AND SLIPPER COMPANY, Milwaukee, Wis. Filed Dec. 5, 1946.



The picture of the man on the drawing is that of a ficticious person.
FOR SLIPPERS.
Claims use since Nov. 3, 1946.

Ser. No. 521,241. BOLAND MFG. CO., Chicago, Ill. Filed Apr. 24, 1947.

Crysto-Cleer

No claim is made to the word "Cleer" apart from the mark.
FOR THE FOLLOWING GOODS MADE OF PLASTIC FILM: SHOWER CAPS, BATHING CAPS, RAIN COATS, RAIN CAPES, SHAMPOO CAPES, HOUSEHOLD APRONS, CHILDREN'S BIBS, AND BABY PANTS.
Claims use since Apr. 6, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 518,206. DEERING, MILLIKEN & CO., INC., New York, N. Y. Filed Feb. 27, 1947.

CARRIAGE TRADE

FOR CRIB SHEETS.
Claims use since Dec. 19, 1946.

Ser. No. 518,909. RODOF TEXTILE COMPANY, New York, N. Y. Filed Mar. 12, 1947.

Vinylastic

FOR WIDE VINYL-COATED ELASTIC FABRICS AND WEBBING IN THE PIECE.
Claims use since Jan. 31, 1947.

Ser. No. 520,008. HILLSBORO COTTON MILLS, Hillsboro, Tex. Filed Mar. 27, 1947.

ALAMO

FOR COTTON DUCK SOLD IN THE PIECE.
Claims use since 1914.

Ser. No. 520,832. ROBERTSON FACTORIES, INC., New York, N. Y. Filed Apr. 16, 1947.

BRIDAL VEIL

The word "Veil" is disclaimed apart from the mark.
FOR WINDOW CURTAINS.
Claims use since February 1940.

Ser. No. 522,459. ROBERTSON FACTORIES, INC., New York, N. Y. Filed May 15, 1947.

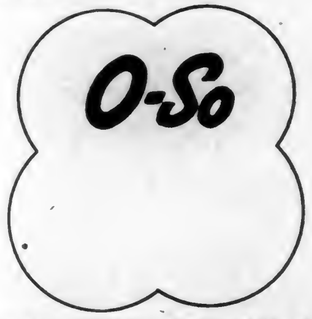
CLOUDSPUN

FOR WINDOW CURTAINS.
Claims use since May 1940.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 504,127. O-SO GRAPE CO., Chicago, Ill. Filed June 18, 1946.



FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES AND EXTRACTS, CONCENTRATES, AND SYRUPS FOR MAKING THE SAME.
Claims use since May 7, 1946.

Ser. No. 512,310. WILLIAM H. APPLETON, San Francisco, Calif. Filed Nov. 9, 1946.



FOR NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND CONCENTRATE FROM WHICH SUCH SOFT DRINKS ARE MADE.
Claims use since Aug. 1, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 498,987. DUFFY-MOTT COMPANY, INC., New York, N. Y. Filed Mar. 26, 1946. Under section 5b of the act of 1905 as amended in 1920.

Holley

Applicant is the owner of renewed registrations No. 160,456 and No. 177,025, both effected under the ten year proviso.
FOR PRUNE JUICE.
Claims use since May 1, 1938.

Ser. No. 505,799. CENTRAL DAIRY, INC., Fort Wayne, Ind. Filed July 18, 1946.



The picture forming part of the mark is fanciful.
FOR ICE CREAM MIX.
Claims use since Apr. 16, 1946.

Ser. No. 511,625. LEE & CADY, Detroit, Mich. Filed Oct. 28, 1946.

QUAKER

Applicant is the owner of the following registrations: Nos. 111,622, 120,003, 156,944, and 282,187.

FOR CANNED FOOD PRODUCTS—NAMELY, APPLE SAUCE, CRANBERRY SAUCE, BLACKBERRIES, BLACK RASPBERRIES, RED RASPBERRIES, STRAWBERRIES, ROYAL ANN CHERRIES, RED (PIE) CHERRIES, MARASCHINO CHERRIES, FRUITS FOR SALAD, FRUIT COCKTAIL, PLUMS, APRICOTS, GRAPEFRUIT, PEACHES, PEARS, PINEAPPLE, BEANS WITH PORK, WAX BEANS, GREEN BEANS, LIMA BEANS, RED KIDNEY BEANS, BEETS, CORN, PEAS, PEAS AND CARROTS, PUMPKIN, SAUERKRAUT, SPINACH, SUCCOTASH, TOMATOES, ASPARAGUS, CARROTS, HOMINY, MIXED VEGETABLES, MUSHROOMS, PINEAPPLE JUICE, GRAPEFRUIT JUICE, TOMATO JUICE, LUNCHEON MEATS, CHILI CON CARNE, AND MINCE MEAT; CONDIMENTS—NAMELY, SALAD DRESSING, CATSUP, CHILI SAUCE, MUSTARD, PEPPER, SALT, CELERY SALT, GARLIC SALT, ALLSPICE, CLOVES, SAGE, MACE, CHILI POWDER, PAPRIKA, MARJORAM, CUMMIN SEED, CURRY POWDER, POULTRY SEASONING, NUTMEG, CINNAMON, GINGER, TUMERIC, SAVORY, THYME, AND VINEGAR; OLIVES; PICKLES; JAMS; JELLIES; FRUIT PRESERVES; APPLE BUTTER; PEANUT BUTTER; COCOANUT; LEMON EXTRACT FOR FOOD PURPOSES; VANILLA EXTRACT FOR FOOD PURPOSES; EVAPORATED MILK; COFFEE; AND TEA.

Claims use since 1887.

Ser. No. 515,566. B. H. KARMEN, doing business as Foods of California, Chatsworth, Calif. Filed Jan. 10, 1947.

Smarties

FOR COOKIES.

Claims use since July 18, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 492,490. FAB-WELD CORPORATION, Philadelphia, Pa. Filed Dec. 1, 1945.

FAB-WELD

The word "Weld" is disclaimed apart from the mark as shown.

FOR SKIDS AND PALLETS.

Claims use since Dec. 28, 1943.

Ser. No. 504,108. HARRY, INC., Washington, D. C. Filed June 18, 1946.

SHAPIES

FOR SHOE TREES.

Claims use since May 1, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 522,946. BLACK STAR COAL CORPORATION, Louisville, Ky. Filed Aug. 6, 1947.



The exclusive use of the word "Coal" is disclaimed apart from the mark as shown. The picture of the girl in the design is fanciful.

FOR COAL.

Claims use since Apr. 14, 1947.

CLASS 2

RECEPTACLES

Ser. No. 524,075. NATIONAL FOLDING BOX COMPANY, INC., New Haven, Conn. Filed Jan. 7, 1948.



FOR FOLDING CARDBOARD AND PAPERBOARD BOXES AND CARTONS AND CUT AND SCORED BLANKS THEREFOR.

Claims use since June 18, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 554,714. D. A. SCHULTE, INC., New York, N. Y. Filed Apr. 15, 1948.



FOR WALLETS.

Claims use since December 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 489,424. TEXAS SOAP MANUFACTURING CORPORATION, Houston, Tex. Filed Apr. 7, 1948.

Texana SUDS

No claim is made to the word "Suds" apart from the mark.

FOR GRANULATED, LIQUID, BAR, AND FLAKED SOAPS.

Claims use since June 15, 1934.

Ser. No. 511,080. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed July 10, 1947.

EMULPHOGENE

FOR DETERGENTS FOR HOUSEHOLD AND INDUSTRIAL PURPOSES—NAMELY, FOR WASHING AND SCOURING DISHES, FLOORS, WALLS, PAINTED SURFACES, FOR LAUNDRY USE AND FOR WASHING TEXTILE FABRICS, CARS, AND FOR CLEANING METAL.

Claims use since Aug. 30, 1946.

Ser. No. 516,672. CHICAGO SANITARY PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 12, 1948.

Santa Maria

FOR TOILET SOAP.

Claims use since September 1935.

Ser. No. 527,688. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

EXCELLO

Applicant claims ownership of registration No. 85,086.

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.

Claims use since Sept. 21, 1932.

Ser. No. 533,261. BAY STATE ABRASIVE PRODUCTS COMPANY, Westboro, Mass. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

WHEELS OF PROGRESS

FOR GRINDING, ABRADING, POLISHING, CUTTING-OFF, AND KNIFE SHARPENING WHEELS.

Claims use since Oct. 21, 1936.

Ser. No. 537,804. KUMAR KOMPANY, INC., Thomasville, Ga. Filed Oct. 14, 1947. Under section 2f of the act of 1946.



KUMAR KLEENAR

Applicant claims ownership of registration No. 427,195.

FOR CHEMICAL CLEANING COMPOUND HAVING INCIDENTAL PROPERTIES AS A GERMICIDAL, DEODORANT AND DISINFECTANT.

Claims use since Aug. 17, 1937.

Ser. No. 544,221. THE THEOBALD INDUSTRIES, Kearny, N. J., Reckord, Md., and Taylorsville, Ky. Filed Dec. 12, 1947.

SCAN

FOR GENERAL HOUSEHOLD CLEANER FOR THE LAUNDRY, PAINT AND WALL WASH, AUTO WASH, HAND CLEANER, SOAP, FLOOR CLEANER, DISH CLEANER, CLEANER FOR CELLAR AND GARAGE FLOORS AND CLOTHES CLEANER.

Claims use since Nov. 26, 1947.

Ser. No. 552,646. ESSENTIAL CHEMICALS CO., Milwaukee, Wis. Filed Mar. 22, 1948.

WAX-THETIC

The word "Wax" is disclaimed apart from the mark as shown.

FOR COMBINATION SOAP AND WAX DETERGENT MATERIAL.

Claims use since Mar. 8, 1948.

Ser. No. 553,886. METAL TEXTILE CORPORATION, West Orange, N. J. Filed Apr. 5, 1948.

THE CHORE MOP

The word "Mop" is disclaimed apart from the mark.
FOR POT CLEANERS MADE OF METALLIC MATERIAL.
Claims use since Jan. 26, 1948.

Ser. No. 554,095. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Apr. 8, 1948. Under section 2f of the act of 1946.

GLENDALE

FOR SOAP AND SOAP CHIPS.
Claims use since Feb. 1, 1900.

Ser. No. 555,624. THE PANTASOTE COMPANY, Passaic, N. J. Filed Apr. 26, 1948.

PANTASOTE

FOR DRESSING FOR AUTOMOBILE TOPS.
Claims use since Apr. 27, 1911.

Ser. No. 555,997. THE DIVERSEY CORPORATION, Chicago, Ill. Filed May 1, 1948.

PERFON

Applicant claims ownership of registration No. 410,883.
FOR CHEMICAL PREPARATION IN POWDERED FORM FOR CLEANING AND POLISHING METAL AND FOR CLEANING TILE AND MARBLE FLOORS.
Claims use since June 3, 1941.

Ser. No. 557,090. G. H. TENNANT COMPANY, Minneapolis, Minn. Filed May 14, 1948. Under section 2f of the act of 1946.

TENNANT

FOR MOP OIL FOR APPLICATION TO DUST MOPS TO ABSORB THE DUST FROM THE FLOORS.
Claims use since Apr. 6, 1932.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 527,533. ROBERT H. CLARK, doing business as Robert H. Clark Company, Beverly Hills, Calif. Filed July 5, 1947.



The portrait of the woman's face is fanciful. The words "Foaming Bath Sachet" are disclaimed apart from the mark as shown. The trade-mark consists of a circular dot on which appear the words "Foaming Bath Sachet" and containing a transparent semi-spherical window through which appears the representation of a woman's face. Applicant claims ownership of registration No. 410,559.
FOR BATH SALTS.
Claims use since July 18, 1939.

Ser. No. 530,058. JOSEPH STANLEY CLARK, Allendale, N. J. Filed July 31, 1947.

HARCOURT

FOR PERFUMES.
Claims use since July 29, 1947.

Ser. No. 531,013. BEAUTY COUNSELORS, INC., Grosse Pointe, Mich. Filed Aug. 11, 1947.

GLO-TOP

FOR PROTECTIVE COATING NAIL POLISH.
Claims use since July 25, 1947.

Ser. No. 535,957. HEATBATH CORPORATION, Indian Orchard, Mass. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

KWIK-BLAK

Applicant claims ownership of registration No. 404,035.
FOR SALT COMPOSITIONS FOR METAL-TREATING BATHS, THE PURPOSE OF WHICH IS TO IMPART COLOR TO METALS.
Claims use since 1942.

Ser. No. 536,669. JACQUELINE COCHRAN, doing business as Jacqueline Cochran Cosmetics, Newark, N. J., assignor to Jacqueline Cochran, Inc., Newark, N. J., a corporation of Delaware. Filed Oct. 3, 1947.

AVOGLOW

FOR COSMETICS AND BEAUTY PREPARATIONS—NAMELY, SKIN CREAMS AND OILS FOR THE SKIN.
Claims use since Aug. 28, 1947.

Ser. No. 536,744. ACME WHITE LEAD AND COLOR WORKS, Detroit, Mich. Filed Oct. 4, 1947.

DURA DUST

No claim is made to the word "Dust" apart from the mark.
FOR AGRICULTURAL AND HORTICULTURAL INSECTICIDES.
Claims use since Sept. 8, 1945.

Ser. No. 537,247. BARNEY THOMAS SCRUGGS, doing business as Big Chief Medicine Company, Charlotte, N. C. Filed Oct. 8, 1947.

BIG CHIEF

Applicant claims ownership of registration No. 235,469.
FOR MEDICINES TAKEN INTERNALLY FOR THE RELIEF OF MINOR STOMACH AILMENTS AND BOWEL DISORDERS, TO AID IN THE RESTORATION OF APPETITE AND AS A MILD TONIC.
Claims use since Apr. 15, 1926.

Ser. No. 542,855. MAYBORN PRODUCTS LIMITED, Upper Norwood S.E. 19, England. Filed June 17, 1948.

DYLON

Applicant claims ownership of Great Britain registration No. 652,839, dated Oct. 22, 1946.
FOR TEXTILE DYES AND DYESTUFFS.

Ser. No. 542,856. MAYBORN PRODUCTS LIMITED, Upper Norwood S.E. 19, England. Filed June 21, 1948.



Applicant claims ownership of Great Britain registration No. 652,076, dated Sept. 27, 1946.
FOR TEXTILE DYES AND DYESTUFFS.

Ser. No. 543,176. DOROTHY GIBSON PERFUMES CORP., Brooklyn, N. Y. Filed Dec. 3, 1947.

Impatient

FOR PERFUME, COLOGNE, AND TOILET WATER.
Claims use since Nov. 3, 1947.

Ser. No. 543,916. GEIGY COMPANY, INC., New York, N. Y. Filed Dec. 10, 1947.

GY-KIL

Applicant disclaims sole use of the word "Kil" apart from the mark as shown. Applicant claims ownership of registrations Nos. 149,067, 342,763, and 384,780.
FOR INSECTICIDES.
Claims use since Nov. 19, 1947.

Ser. No. 545,201. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Dec. 22, 1947. Under section 2f of the act of 1946.

PARFUMERIE CLAIRE

Applicant claims ownership of registration No. 198,041.
FOR PERFUME, TOILET CREAMS, TOILET WATER, POWDER, ROUGE, AND BATH SALTS.
Claims use since 1910.

Ser. No. 546,850. WILLIAM C. HOWELL, doing business as The Alkalax Company, Colorado Springs, Colo. Filed Jan. 13, 1948. Under section 2f of the act of 1946.



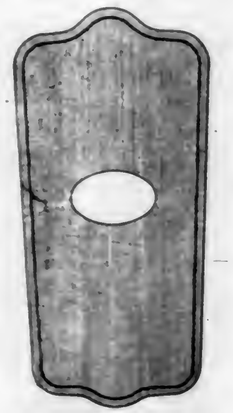
Applicant claims ownership of registration No. 245,459.
FOR PREPARATION FOR THE RELIEF OF GASTRIC HYPERACIDITY OR GASEOUS DISCOMFORT FROM OVEREATING AND FOR THE TEMPORARY RELIEF OF OCCASIONAL CONSTIPATION.
Claims use since Feb. 25, 1928, as to the word "Alkalax" in cross form and the present form as a whole since Oct. 15, 1940.

Ser. No. 552,431. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed Mar. 19, 1948.



The drawing is lined for green.
FOR HAIR TONIC.
Claims use since Feb. 20, 1948.

Ser. No. 552,432. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed Mar. 19, 1948.



The drawing is lined for red.
FOR HAIR TONIC.
Claims use since Jan. 5, 1948.

Ser. No. 552,826. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 24, 1948.

IBEROL

Applicant claims ownership of registration No. 353,675.
FOR HEMATINIC PREPARATION INTENDED FOR ORAL ADMINISTRATION IN THE TREATMENT OF CERTAIN ANEMIAS.
Claims use since Mar. 3, 1948.

Ser. No. 553,427. STRONG COBB & COMPANY, INC., Cleveland, Ohio. Filed Mar. 30, 1948.

INTURA

FOR BOTANICAL DRUG MARKETED IN THE FORM OF TABLETS AND POWDER FOR USE AS AN ANTISPASMODIC.
Claims use since Feb. 25, 1948.

Ser. No. 553,675. HERBERT L. CLARK, doing business as Illinois Bio Company, Chicago, Ill. Filed Apr. 2, 1948.

BIOSTERONE

FOR A STERILE SOLUTION IN CORN OIL OF THE STEROID ANDROGENIC HORMONES PREDOMINANTLY TESTOSTERONE DERIVED FROM CHOLESTEROL, BIOLOGICALLY STANDARDIZED TO CONTAIN 1000 INTERNATIONAL CAPON UNITS PER CC. ADMINISTERED INTRAMUSCULARLY FOR TREATMENT IN THE MALE OF MALE HYPO-GONADALISM, IN THE FEMALE, FOR CONTROL OF SOME TYPES OF FUNCTIONAL UTERINE BLEEDING, TO INHIBIT LACTATION, DYSMENORRHEA, AND PREMENSTRUAL TENSION.
Claims use since Dec. 21, 1946.

Ser. No. 554,228. THE HARSHAW CHEMICAL COMPANY, Cleveland, Ohio. Filed Apr. 9, 1948.

OCTASOL

FOR CHEMICAL COMPOUNDS, SPECIFICALLY, METALLIC SOAPS AND SOLUTIONS OF METALLIC SOAPS IN ORGANIC SOLVENTS USEFUL AS SICCATIVES IN THE FORMULATION OF PAINTS AND PRINTING INKS AND IN THE MANUFACTURE OF FLOOR COVERINGS OF THE LINOLEUM TYPE.
Claims use since Feb. 17, 1948.

Ser. No. 555,267. HOFFMANN-LA ROCHE INC., Nutley, N. J. Filed Apr. 22, 1948.

PRESIDON

FOR SEDATIVES AND HYPNOTICS.
Claims use since Apr. 16, 1948.

Ser. No. 555,784. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y. Filed Apr. 28, 1948.

BENZOCINATE

FOR MEDICINAL PREPARATIONS FOR PARENTERAL ADMINISTRATION BY PHYSICIANS IN THE TREATMENT OF OSTEO-ARTHRITIS, SCIATICA, NEURITIS, AND LIKE AILMENTS.
Claims use since June 25, 1947.

Ser. No. 556,191. SAM T. HEADMAN, doing business as X Sales & Distributing Company, Seattle, Wash. Filed May 4, 1948.

99X

FOR DEODORANT LIQUID FOR USE IN TOILET BOWLS, LAVATORIES, AND GARBAGE CANS; AS A SPRAY IN CLOSETS, BASEMENTS, AND ON UPHOLSTERY; TO REMOVE COOKING AND KITCHEN ODORS; AS A RINSE; AND FOR SIMILAR PURPOSES.
Claims use since Jan. 2, 1948.

Ser. No. 556,289. SAMPSON MEDICINE COMPANY, Winston-Salem, N. C. Filed May 5, 1948. Under section 2f of the act of 1946.

SAMPSON'S

FOR LAXATIVE MEDICINE FOR TREATMENT OF COLDS, AND ANODYNE FOR RELIEF OF HEARTBURN, GAS PAINS, AND ACHING MUSCLES.
Claims use since 1898.

Ser. No. 559,121. SCHERING CORPORATION, Bloomfield, N. J. Filed June 12, 1948.

PASTICILLIN

FOR PENICILLIN LOZENGES.
Claims use since May 14, 1948.

Ser. No. 559,278. COFFETTE PRODUCTS, INC., Brooklyn, N. Y. Filed June 16, 1948.

Coffette

Applicant claims ownership of registration No. 391,057.
FOR OIL SHAMPOO.
Claims use since June 1, 1940.

Ser. No. 559,501. COMAR & CIE, SOCIETE A RESPONSABILITE LIMITEE, PROPRIETAIRE DES LABORATOIRES CLIN, Paris, France. Filed June 17, 1948.

EVADOL

Applicant claims ownership of French registration No. 370,629, dated Sept. 19, 1946.
FOR ANALGESICS.

CLASS 7

CORDAGE

Ser. No. 543,172. GEORGE H. FULLERTON, doing business as The Blue Ridge Cord Company, Hendersonville, N. C. Filed Dec. 3, 1947.

SUWANEE

FOR CORDS FOR USE AS VENETIAN BLIND CORDS, CORDS FOR USE AS DRAPERY CORDS, CORDS FOR USE AS WINDOW SHADE CORDS, BRAIDED MASON LINES, TOGGLE CORDS FOR USE IN THE LEATHER TANNING TRADE, AND CLOTHES LINE CORDAGE, ALL OF WHICH IS SOLD IN LARGE ROLLS AND CUT TO THE DESIRED LENGTH BY THE PURCHASER.
Claims use since Mar. 10, 1939.

CLASS 10

FERTILIZERS

Ser. No. 509,324. ATKINS & DURBROW, INC., New York, N. Y. Filed Oct. 24, 1947.



The drawing is lined for the colors red, green, and black and this coloring is an essential feature of the mark. Applicant claims ownership of registrations Nos. 278,756 and 417,642.
FOR FERTILIZER.
Claims use since January 1946.

Ser. No. 541,563. MIDWESTERN PHOSPHATE CORPORATION, Madison, Wis. Filed Nov. 18, 1947.

MIDWESTERN

FOR FERTILIZER COMPOUNDS MADE UP OF ORGANIC AND INORGANIC CHEMICALS, PRIMARILY NITROGEN (N), PHOSPHATE (P_2O_5), AND POTASH (K_2O), OR ANY OF SUCH INGREDIENTS ALONE AND UNMIXED.
Claims use since July 16, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 519,566. BLAW-KNOX COMPANY, Pittsburgh, Pa. Filed Oct. 27, 1947.

ALUMIDOOR

The word "Door" is disclaimed apart from the mark shown.
FOR METAL DOORS OF THE OVERHEAD TILTING TYPE.
Claims use since June 7, 1946.

Ser. No. 544,713. ENDURO METAL AWNING CORPORATION OF AMERICA, Charleston, W. Va. Filed Dec. 18, 1947.

ENDURO

FOR ALUMINUM AWNINGS.
Claims use since Nov. 15, 1946.

Ser. No. 544,732. HARGROVE COMPANY, Pittsburgh, Pa. Filed Dec. 18, 1947.

Harco

FOR COMBINATION WOOD WINDOWS SHEATHED IN ALUMINUM.
Claims use since February 1947.

Ser. No. 544,894. MONCRIEF-LENOIR MANUFACTURING COMPANY, Houston, Tex. Filed Dec. 19, 1947.

MOLENCO

FOR GUTTERS, DOWNSPOUTS, RIDGE ROLLS, FLASHINGS AND VALLEYS, ALL OF SHEET METAL.
Claims use since 1914.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 550,108. WHITEHEAD METAL PRODUCTS COMPANY, INC., New York, N. Y. Filed Feb. 18, 1948.

WHITEHEAD

Applicant claims ownership of registrations Nos. 312,379, 344,460, 346,652, 374,711, and 378,324.
FOR 50/50 SOLDER.
Claims use since Feb. 10, 1948.

CLASS 15

OILS AND GREASES

Ser. No. 536,960. THE HODSON CORPORATION, Chicago, Ill. Filed May 13, 1948. Under section 2f of the act of 1946.

GEARKOTE

FOR LUBRICATING OIL.
Claims use since January 1926.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 539,606. MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn. Filed July 5, 1947.

MINNSPAR

Applicant claims ownership of registration No. 232,829.
FOR VARNISH.
Claims use since Jan. 30, 1927.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 536,919. P. LORILLARD COMPANY, New York, N. Y. Filed Oct. 6, 1947.

PLANET

FOR CHEWING TOBACCO.
Claims use since 1877.

Ser. No. 539,637. THE BLOCH BROTHERS TOBACCO CO., Wheeling, W. Va. Filed Oct. 31, 1947.

O B Joyful

FOR CHEWING AND SMOKING TOBACCO.
Claims use since Apr. 14, 1897.

Ser. No. 544,492. WOLF BROTHERS & CO., Red Lion, Pa. Filed Dec. 16, 1947.

THE BARRISTER

FOR CIGARS.
Claims use since 1889.

CLASS 19

VEHICLES

Ser. No. 517,404. COACH & CAR EQUIPMENT CORPORATION, Chicago, Ill. Filed Sept. 3, 1947.



The representation of the goods is disclaimed apart from the mark.
FOR RAILWAY COACH SEATS.
Claims use since Jan. 4, 1947.

Ser. No. 534,450. KADDY-KING, INC., Renton, Wash. Filed Sept. 13, 1947.



The representation of the goods shown in the mark is disclaimed.
FOR HAND-PROPELLED CARTS USED BY GOLFERS TO CARRY GOLF BAGS AND CLUBS.
Claims use since May 5, 1947.

Ser. No. 534,508. JOSEPH BUEGELEISEN CO., Detroit, Mich. Filed Sept. 15, 1947.

Buco

FOR SEAT COVERS AND WINDSHIELDS FOR MOTORCYCLES.
Claims use since July 6, 1940.

Ser. No. 535,487. COOK BODY CO., Charlotte, N. C. Filed Sept. 24, 1947.

Cook BODY CO.

No claim is made to the words "Body Co." apart from the mark as shown.
FOR AUTOMOBILE AND TRUCK TRAILERS AND TRUCK BODIES.
Claims use since Jan. 1, 1947.

Ser. No. 536,471. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

WESTFIELD

Applicant claims ownership of registration No. 421,105.
FOR BICYCLES AND PARTS THEREOF.
Claims use since 1896.

Ser. No. 536,975. TUCKER CORPORATION, Chicago, Ill. Filed Nov. 20, 1947.



FOR AUTOMOBILES AND STRUCTURAL PARTS THEREOF.
Claims use since Mar. 2, 1947.

Ser. No. 540,347. THE FLEXIBLE COMPANY, Loudonville, Ohio. Filed Aug. 1, 1947. Under section 2f of the act of 1946.

Flexible

Applicant claims ownership of registration No. 352,536.
FOR BUSSES, AMBULANCES, INVALID, AND FUNERAL CARS.
Claims use since Jan. 1, 1926.

Ser. No. 545,250. HOBBS MANUFACTURING COMPANY, San Antonio and Fort Worth, Tex. Filed Dec. 23, 1947.

PROTECTOBODY

FOR AUTOMOTIVE TRUCK BODIES USED FOR CARRYING FOODS, BOTTLED DRINKS, AND THE LIKE.
Claims use since May 15, 1947.

Ser. No. 547,719. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Jan. 22, 1948.

Velon

FOR PLASTIC SEAT COVERS FOR VEHICLES.
Claims use since July 23, 1947.

Ser. No. 548,166. K & L AUTO UPHOLSTERING CO., Washington, D. C. Filed Jan. 28, 1948.



The word "Top" is disclaimed apart from the mark itself "Anchor Top."
FOR TOPS FOR CONVERTIBLE-TYPE AUTOMOBILES.
Claims use since Dec. 15, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 505,545. WILSON WELDER AND METALS CO. INC., New York, N. Y., assignor to Air Reduction Sales Company, New York, N. Y. Filed Oct. 9, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of registrations Nos. 353,852, 358,262, 374,613, 381,357, 401,267, and 401,913.
FOR ARC WELDING MACHINES.
Claims use since May 12, 1937, as to "Wilson"; and since Dec. 3, 1945, in the form shown.

Ser. No. 527,635. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed July 5, 1947. Under section 2f of the act of 1946.

KOILFIN

Applicant claims ownership of registration No. 350,329.
FOR ELECTRIC HEATING ELEMENTS, AND PARTS THEREOF.
Claims use since July 1936.

Ser. No. 527,637. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed July 5, 1947. Under section 2f of the act of 1946.

KOILSTRIP

Applicant claims ownership of registration No. 327,854.
FOR ELECTRIC HEATING ELEMENTS, AND PARTS THEREOF.
Claims use since February 1934.

Ser. No. 527,928. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed July 5, 1947.

FINSTRIP

Applicant claims ownership of registration No. 298,751.
FOR ELECTRIC HEATING ELEMENTS, AND PARTS THEREOF.
Claims use since September 1931.

Ser. No. 539,477. ARK-LES SWITCH CORPORATION, Watertown, Mass. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

ARK-LES

FOR ELECTRIC SWITCHES AND RHEOSTATS MADE OF METAL AND MOLDED INSULATING MATERIAL.
Claims use since April 1937.

Ser. No. 543,524. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 5, 1947.

RCA

FOR SPECIALLY DESIGNED MOTOR TRUCK IN THE NATURE OF A MOBILE TELEVISION STUDIO.
Claims use since October 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 501,146. REX UNDERWOOD, Portland, Oreg. Filed Apr. 6, 1948.

MANUFLEX

FOR EXERCISING DEVICES FOR THE HANDS, FINGERS, AND WRISTS, WHICH INCLUDE ENGAGING ELEMENTS FOR PROMOTING ARTICULATION OF THE JOINTS THEREOF.
Claims use since Aug. 1, 1918.

Ser. No. 503,023. EDW. K. TRYON COMPANY, Philadelphia, Pa. Filed Aug. 18, 1947.



The representation of the fish is disclaimed apart from the mark.
FOR FISHING RODS, FISHING REELS, ARTIFICIAL FISH BAITS, GUT FISHING LEADERS (BOTH SYNTHETIC AND GENUINE), WIRE FISHING LEADERS (SOLID AND CABLE), FISHING LINES, SNELLED FISHING HOOKS, FISHING TIPPETS, FISH HOOKS (RINGED, MARKED, FLATTED, AND KNOBBED), ARTIFICIAL FISHING FLIES, FISHING BAIT AND TACKLE BOXES, FISHING BAIT AND MINNOW PAILS, BUTT CAPS FOR FISHING RODS, FISH NETS, FISHING FLY BOOKS AND FISHING TACKLE BOOKS, FISHING REEL CLAMPS, FISHING REEL SEATS, FISHING ROD FERRULES, FISHING ROD GUIDES, FISHING ROD TIPS, FISHING ROD STANDS, RUBBER FISHING ROD BUTTS, WINDING CHECKS FOR FISHING RODS, FISHING RIGS (COMPRISING SWIVELS, FLEXIBLE CABLE, SWIVEL EXTENSIONS, LOCK LOOPS AND CONNECTING LINKS JOINED TOGETHER), CHUGGING RIGS FOR FISHING, FROG HARNESS FOR FISHING, FROG SPEARS FOR FISHING, GAFF HOOKS FOR FISHING, GAFFS COMPLETE FOR FISHING, FISH SPEARS, MOUTH OPENERS FOR FISH, FISHING NET FRAMES, FISH TONGS, FISH FINDERS, FEATHERED JIGS FOR FISHING, FISH BAGS, DOCK BELLS (CONSISTING OF CASINGS, CLAPPERS AND MOUNTINGS JOINED TOGETHER), FISHING FLOATS, CRAB TRAPS, FISHING LINE SINKERS, FISHING LINE SWIVELS, SAFETY SNAPS FOR FISHING, SAND SPIKES FOR FISHING, MINNOW TRAPS FOR FISHING, SNAPS AND RINGS FOR FISHING, SPLIT RINGS FOR FISHING, FISHING LINE SPREADERS, FISHING STRINGERS AND CUT WIRE FOR FISHING LEADERS.
Claims use on fishing lines since 1893; on fishing rods, fishing reels, artificial fish baits, gut fishing leaders (synthetic and genuine), wire fishing leaders (solid and cable), snelled fishing hooks, fishing tippets, fish hooks (ringed, marked, flatted, and knobbed), and fishing flies since 1895; and on the remaining goods as set forth since 1900.

Ser. No. 534,760. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Sept. 17, 1947.

DC-4

FOR GOLF BALLS.
Claims use since Sept. 4, 1947.

Ser. No. 535,229. DRESCO PRODUCTS INCORPORATED, Chicago, Ill. Filed Sept. 22, 1947.

T-ZEE

FOR MECHANICAL TOYS.
Claims use since July 15, 1947.

Ser. No. 536,555. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 2, 1947.

POWER WEIGHTED

The word "Weighted" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 377,311.
FOR GOLF CLUBS.
Claims use since Nov. 21, 1938.

Ser. No. 536,653. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 3, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of registration No. 368,186.
FOR GOLF CLUBS.
Claims use since Sept. 21, 1936.

Ser. No. 537,629. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 11, 1947.



No claim is made to a representation of a ball and a representation of a tennis racket per se. Applicant claims ownership of registration No. 57,086.

FOR TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, SHUTTLECOCKS, TENNIS BALLS, SQUASH BALLS, TABLE TENNIS BATS, AND TABLE TENNIS BALLS.

Claims use since May 1891.

Ser. No. 537,632. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 11, 1947.

TRU WEIGHTED

The word "Weighted" is disclaimed apart from the mark. Applicant claims ownership of registration No. 378,106.

FOR GOLF CLUBS.

Claims use since 1940.

Ser. No. 539,572. SOUTH BEND BAIT COMPANY, South Bend, Ind. Filed Oct. 30, 1947.

SOUTH BENDER

Applicant claims ownership of registration No. 277,557.

FOR FISHING RODS, FISHING REELS, FISHING LINES, AND ARTIFICIAL FISH BAITS AND LURES.

Claims use since Mar. 15, 1947.

Ser. No. 539,982. JACK'S TACKLE MANUFACTURING CO., Oklahoma City, Okla. Filed Nov. 3, 1947.

WIG-A-LURE

Applicant disclaims the word "Lure" apart from the mark.

FOR FISHING FLOATS OR LURES.

Claims use since Apr. 1, 1947.

Ser. No. 540,209. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Nov. 5, 1947.

EAGLE

Applicant claims ownership of registration No. 390,713.

FOR GOLF BALLS AND GOLF CLUBS.

Claims use since Oct. 1, 1919.

Ser. No. 557,524. MARION W. GRIGSBY, doing business as Grigsby Publishing Company, Chicago, Ill. Filed May 21, 1948.

MAÑANA

FOR GAME AND GAME BOARD.

Claims use since Apr. 22, 1948.

Ser. No. 561,638. PLANET INDUSTRIES, INC., Milwaukee, Wis. Filed July 17, 1948.

Mañana

FOR BOARD GAME.

Claims use since Dec. 10, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 520,368. HELI-COIL CORPORATION, Long Island City, N. Y., by change of name from Aircraft Screw Products Company, Inc. Filed July 2, 1948.



FOR TOOLS, APPARATUS AND MACHINES FOR USE IN CONNECTION WITH SCREW CONNECTIONS AND THEIR PARTS—NAMELY, SCREW-THREAD-TAPPING TOOLS, COILING MACHINES FOR WIRE THREAD INSERTS, TOOLS FOR INSERTING AND EXTRACTING WIRE THREAD BUSHINGS, STAKING TOOLS FOR SECURING THREAD BUSHINGS IN BOSS MEMBERS, REAMERS, STUD DRIVERS, AND EXTRACTORS.

Claims use since Feb. 3, 1947.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 529,601. CHICAGO ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed July 26, 1947.

Handyhot

FOR ELECTRIC LAUNDRY WASHERS.

Claims use since 1938.

Ser. No. 535,378. THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio. Filed Sept. 23, 1947.

SYLON

FOR LAUNDRY MACHINERY OR APPARATUS, PARTICULARLY FLATWORK IRONERS AND PARTS THEREOF.

Claims use since Mar. 7, 1940.

Ser. No. 544,313. ATLANTIC UNION COLLEGE, Lancaster, Mass. Filed Dec. 13, 1947.

Slide-O-Matic

FOR IRONING BOARDS.

Claims use since June 30, 1947.

CLASS 25

LOCKS AND SAFES

Ser. No. 516,254. CENTRAL CAN COMPANY, Chicago, Ill. Filed Oct. 28, 1947.

C·C·C TOP PRODUCTS

The word "Products" is disclaimed apart from the mark.

FOR METAL CASH AND BOND BOXES HAVING LOCK AND KEY.

Claims use since Dec. 27, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 513,431. A. KERSHAW & SONS, LIMITED, Leeds and London, England. Filed Dec. 1, 1947. Under section 2f of the act of 1946.

KERSHAW

Applicant claims ownership of English registration No. 615,789.

FOR BINOCULARS.

Claims use since 1922.

Ser. No. 528,114. AURORA INDUSTRIES, INC., Chicago, Ill. Filed July 8, 1947.



The stippling in the drawing indicates shading.

FOR PROJECTION SCREENS.

Claims use since June 17, 1947.

Ser. No. 532,475. MICHIGAN PHOTO SHUTTER COMPANY, Kalamazoo, Mich. Filed Aug. 26, 1947. Under section 2f of the act of 1946.

PACKARD

FOR CAMERA SHUTTERS.

Claims use since 1895.

Ser. No. 535,200. UNITED WORLD FILMS, INC., New York, N. Y. Filed Sept. 20, 1947. Under section 2f of the act of 1946.

CASTLE FILMS

The word "Films" is disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 188,963, 312,652, 323,756, and 398,909.

FOR MOTION PICTURE FILMS.

Claims use since 1938.

Ser. No. 536,547. PORTO-SIGHT COMPANY, INC., Kansas City, Mo. Filed Oct. 2, 1947.

Porto-Sight

The word "Sight" is disclaimed apart from the mark.

FOR COLLAPSIBLE FOCUSING FIELD GLASSES.

Claims use since November 1946.

Ser. No. 537,675. EXPERT INDUSTRIES, INC., Grand Rapids, Mich. Filed Oct. 13, 1947.

TEMP O MATIC

The word "Temp" is disclaimed apart from the mark.
FOR AUTOMATIC TEMPERATURE CONTROL VALVES.
Claims use since October 1943.

Ser. No. 545,970. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

VELOUR BLACK

FOR SENSITIZED PHOTOGRAPHIC PAPER.
Claims use since September 1919.

Ser. No. 547,834. COMPCO CORPORATION, Chicago, Ill. Filed Jan. 23, 1948.

Compar

FOR FILM ENLARGER LENSES, CAMERA LENSES, PROJECTOR LENSES, PORTRAIT LENSES, MAGNIFYING LENSES, AND TELESCOPE LENSES.
Claims use since Nov. 1, 1947.

Ser. No. 547,875. ROBERT SHERMAN, New York, N. Y. Filed Jan. 23, 1948.

MODERNAIRE

FOR EYEGLASS FRAMES.
Claims use since December 1947.

Ser. No. 547,903. THE HARLEQUIN CORPORATION, New York, N. Y. Filed Jan. 24, 1948.

VARIATION

FOR OPHTHALMIC MOUNTINGS AND LENSES AND PARTS THEREOF.
Claims use since June 16, 1947.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 534,649. NORMAN M. MORRIS, New York, N. Y. Filed Sept. 16, 1947.

NORMIS

FOR WATCHES, WATCH DIALS, CLOCKS, AND CLOCK DIALS.
Claims use since Jan. 1, 1924.

Ser. No. 545,988. THE E. INGRAHAM COMPANY, Bristol, Conn. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

BRISTOL

Applicant claims ownership of registration No. 207,083.
FOR CLOCKS AND WATCHES.
Claims use since 1891.

Ser. No. 545,989. THE E. INGRAHAM COMPANY, Bristol, Conn. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

VOGUE

Applicant claims ownership of registration No. 223,520.
FOR CLOCKS AND WATCHES.
Claims use since Nov. 24, 1925.

Ser. No. 546,097. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Jan. 3, 1948.

ACHIEVEMENT

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since Dec. 29, 1947.

Ser. No. 546,098. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Jan. 3, 1948.

ADMINISTRATOR

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since Dec. 29, 1947.

Ser. No. 546,100. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Jan. 3, 1948.

STATESMAN

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since February 1946.

Ser. No. 546,105. ILLINOIS WATCH CASE CO., Elgin, Ill. Filed Jan. 3, 1948. Under section 2f of the act of 1946.

Stratford

Applicant claims ownership of registration No. 221,482.
FOR WATCHES, WATCH MOVEMENTS, AND WATCH CASES.
Claims use since M[illegible]h 1914.

Ser. No. 546,106. ILLINOIS WATCH CASE CO., Elgin, Ill. Filed Jan. 3, 1948. Under section 2f of the act of 1946.

Tivoli

Applicant claims ownership of registration No. 212,863.
FOR WATCHES, WATCH MOVEMENTS, AND WATCH CASES.
Claims use since Feb. 16, 1922.

Ser. No. 546,372. CRESARROW WATCH CO., a subsidiary of Henry Blank & Company, Newark, N. J. Filed Jan. 7, 1948.

CRESARROW

FOR WATCHES AND PARTS THEREOF.
Claims use since 1912.

Ser. No. 547,570. THE PALOMAR COMPANY, Los Angeles, Calif. Filed Jan. 20, 1948.

Palomar

FOR WATCHES AND CLOCKS.
Claims use since July 1, 1943.

Ser. No. 547,608. ARTHUR BAUER COMPANY, INC., New York, N. Y. Filed Jan. 21, 1948.

DYNOMATIC

FOR WATCHES.
Claims use since Dec. 18, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 524,532. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed Jan. 13, 1948. Under section 2f of the act of 1946.

MARLBOROUGH

FOR STERLING SILVER FLATWARE—NAMELY, FORKS, KNIVES, SPOONS, AND OTHER FLAT TABLE WARE.
Claims use since Sept. 7, 1939.

Ser. No. 524,693. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed Jan. 13, 1948. Under section 2f of the act of 1946.

TYROLEAN

FOR STERLING SILVER FLATWARE—NAMELY, FORKS, KNIVES, SPOONS, AND OTHER FLAT TABLE WARE.
Claims use since Sept. 7, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 534,750. COMFORT SPRING CORPORATION, Baltimore, Md. Filed Sept. 17, 1947.

TEMPERFECT

The applicant makes no claim to the exclusive use of the word "Perfect" apart from the mark.
FOR SPRING ASSEMBLIES AND SPRING COILS FOR FURNITURE, BEDDING, AND UPHOLSTERY.
Claims use since July 21, 1947.

Ser. No. 538,183. SECURITY STEEL EQUIPMENT CORPORATION, Township of Woodbridge, N. J. Filed Oct. 17, 1947.

Security STEEL

No right to register the word "Steel" is claimed apart from the mark as shown.
FOR FILING CASES, CABINETS, AND STACKS, IN BOTH SOLID AND SECTIONAL CONSTRUCTIONS, AND FILES, DRAWERS, UNITS AND TRANSFER-BOXES THEREFOR, MADE WHOLLY OR PARTLY OF METAL OR WOOD; COUNTERS AND DESKS, TABLES AND CHAIRS AS ARTICLES OF HOUSEHOLD AND OFFICE FURNITURE; BATH ROOM, TOWEL, AND MEDICINE CABINETS; WARDROBES, CUPBOARDS, LOCKERS IN THE NATURE OF FURNITURE, AND BOOKCASES; ROLLER-SHELVING AND UNITS AND CASES THEREFOR, MADE WHOLLY OR PARTLY OF METAL OR WOOD; PLAIN SHELVING AND BOOK STACKS; AND MERCHANDISE STACKS AND BINS.
Claims use since June 1911.

Ser. No. 540,763. THE BABEE-TENDA CORPORATION, Metropolis, Ill. Filed Nov. 12, 1947.

TENDA

Applicant claims ownership of registration No. 370,142.
FOR COMBINED TABLES AND CHAIRS FOR INFANTS AND JUVENILES.
Claims use since Jan. 6, 1937.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 540,710. J. F. PRITCHARD & Co., Kansas City, Mo. Filed Nov. 10, 1947.

Puridryer

FOR AIR TREATERS USED IN CONTROLLING DEW POINT CONDITIONS AND FOR THE REMOVAL OF DUST, POLLEN, SMOKE AND OTHER SOLID PARTICLES AND MICRO-ORGANISMS FROM AIR CIRCULATED IN DUCT SYSTEMS.
Claims use since March 1947.

Ser. No. 540,711. J. F. PRITCHARD & Co., Kansas City, Mo. Filed Nov. 10, 1947.

AIRDFIN

FOR ATMOSPHERIC HEAT EXCHANGERS OF THE FINNED TUBE TYPE FOR COOLING FLUIDS AND CONDENSING VAPORS.
Claims use since July 1945.

Ser. No. 547,030. QUAKER MANUFACTURING COMPANY, Chicago, Ill. Jan. 14, 1948.

Quaker

FOR OIL BURNING SPACE HEATERS.
Claims use since Oct. 11, 1946.

Ser. No. 547,494. THE STEEL PRODUCTS ENGINEERING COMPANY, Springfield, Ohio. Filed Jan. 19, 1948.



Applicant claims ownership of registration No. 300,966.
FOR HEATING EQUIPMENT — NAMELY, FUEL STOKERS, FUEL STOKERS WITH AUTOMATIC AIR REGULATORS, OIL BURNERS, AND HUMIDIFIERS.
Claims use since July 1, 1932.

Ser. No. 547,639. LINDSTAEDT & KING, San Anselmo, Calif. Filed Jan. 21, 1948.

Sierra King

FOR PORTABLE OVENS.
Claims use since Jan. 7, 1948.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 536,758. BUFFALO WEAVING & BELTING COMPANY, Buffalo, N. Y. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

Plas Tex

Applicant claims ownership of registration No. 416,366.
FOR WOVEN COTTON CONVEYOR AND TRANSMISSION BELTING.
Claims use since May 26, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 533,884. HAMMERMILL PAPER COMPANY, Erie, Pa. Filed Sept. 9, 1947.

WHIPPET BOND

The word "Bond" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 380,690.
FOR BOND PAPER.
Claims use since Apr. 4, 1940.

Ser. No. 534,112. L. & C. HARDTMUTH, INC., Bloomsbury, N. J. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

ALLKORE

Applicant claims ownership of registration No. 404,973.
FOR LEAD PENCILS, COLOURED CHALK PENCILS, AND COLOURED STICKS.
Claims use since Mar. 17, 1937.

Ser. No. 541,249. THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed July 7, 1947. Under section 2f of the act of 1946.

"BOYE"

Applicant claims ownership of registration No. 235,455.
FOR PENCILS, EXPANSION PENCIL CLIPS, SURE-HOLD PENCIL CLIPS, AND FOUNTAIN PEN AND PENCIL CLIPS.
Claims use since November 1912.

Ser. No. 542,817. CURTIS PAPER COMPANY, Newark, Del. Filed Dec. 1, 1947.

COLOPHON

FOR TEXT AND COVER PAPERS FOR USE IN THE PRINTING INDUSTRY AND ART FIELD.
Claims use since August 1947.

Ser. No. 542,819. CURTIS PAPER COMPANY, Newark, Del. Filed Dec. 1, 1947.

STONERIDGE

FOR TEXT AND COVER PAPERS FOR USE IN THE PRINTING INDUSTRY AND ART FIELD.
Claims use since August 1947.

Reg. No. 542,866. NEENAH PAPER COMPANY, Neenah, Wis. Filed Dec. 1, 1947.

RESOLUTE

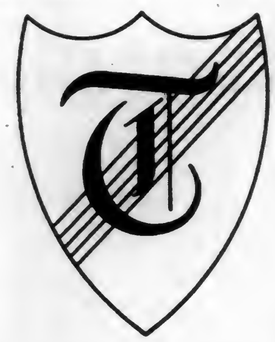
Applicant claims ownership of registrations Nos. 112,538 and 273,014.
FOR BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER.
Claims use since October 1915.

Reg. No. 542,867. NEENAH PAPER COMPANY, Neenah, Wis. Filed Dec. 1, 1947.

STONEWALL

Applicant claims ownership of registrations Nos. 112,539 and 272,954.
FOR BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER.
Claims use since November 1912.

Ser. No. 542,894. TREASURE COMPANY, Milwaukee, Wis. Filed Dec. 1, 1947.



FOR MEMORANDUM PADS, ADDRESS BOOKS, ENGAGEMENT BOOKS.
Claims use since June 15, 1947.

Ser. No. 543,813. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Dec. 9, 1947.

TARPON

FOR BUTCHERS' WRAPPING PAPER.
Claims use since July 15, 1935.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 535,583. THE MEYERCORD COMPANY, Chicago, Ill. Filed Sept. 24, 1947.

THERMO-CAL

Applicant claims ownership of registration No. 288,931.
FOR DECALCOMANIAS.
Claims use since June 11, 1947.

Ser. No. 536,414. THE MEYERCORD COMPANY, Chicago, Ill. Filed Oct. 1, 1947.

TATOO

FOR DECALCOMANIAS.
Claims use since 1938.

Ser. No. 537,299. ELECTRICAL PUBLICATIONS, INC., Chicago, Ill. Filed Oct. 9, 1947. Under section 2f of the act of 1946.

ELECTRIC LIGHT AND POWER

Applicant claims ownership of registration No. 209,127.
FOR MONTHLY MAGAZINE RELATING TO ELECTRIC LIGHT AND ELECTRIC POWER.
Claims use since January 1923.

Ser. No. 539,501. DENTAL SURVEY PUBLICATIONS, Minneapolis, Minn. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

DENTAL LABORATORY Review

FOR MAGAZINE RELATING TO DENTISTS AND DENTISTRY.
Claims use since October 1926.

Ser. No. 542,387. ZIV STEEL & WIRE CO., Chicago, Ill. Filed Nov. 25, 1947. Under section 2f of the act of 1946.

Tool Topics

FOR MONTHLY PUBLICATION.
Claims use since Jan. 1, 1927.

Ser. No. 552,660. LAMBDA SIGMA FRATERNITY, Philadelphia, Pa. Filed Mar. 22, 1948.



FOR PERIODICAL PUBLICATION.
Claims use since Oct. 12, 1892.

Ser. No. 552,709. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 22, 1948.

CHECKERLINE

Applicant claims ownership of registration No. 269,158.
FOR HOUSE-ORGAN MAGAZINE.
Claims use since January 1944.

Ser. No. 552,712. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 22, 1948.

CHECKERLINKS

Applicant claims ownership of registration No. 269,158.
FOR HOUSE-ORGAN MAGAZINE.
Claims use since September 1945.

Ser. No. 552,763. JOSEPH FISCHER, Chicago, Ill. Filed Mar. 23, 1948.

FROM NINE TO FIVE

FOR SERIES OF CARTOONS APPEARING IN DAILY NEWSPAPERS.
Claims use since June 1, 1946.

Ser. No. 553,522. SANDLOT SPORTS ASSOCIATION, INC., Philadelphia, Pa. Filed Mar. 31, 1948.

THE Sandlotter

FOR MONTHLY PUBLICATION.
Claims use since Mar. 15, 1946.

Ser. No. 553,839. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 5, 1948.

Fieldcrest
MILL WHISTLE

FOR EMPLOYES' MAGAZINE.
Claims use since January 1947.

CLASS 39
CLOTHING

Ser. No. 514,748. BAXLEY DRESS MANUFACTURING CO., Seattle, Wash. Filed Aug. 26, 1947. Under section 2f of the act of 1946.

Betty Baxley

Betty Baxley is the maiden name of the daughter of the president of applicant corporation, and her consent is filed herewith. Applicant claims ownership of registration No. 271,002.
FOR COTTON HOUSE AND STREET DRESSES, RAYON HOUSE AND STREET DRESSES, WOOL DRESSES, COTTON AND RAYON HOUSECOATS, BLOUSES, SLACKS AND SLACKSUITS, AND PLAY CLOTHES.
Claims use since Jan. 21, 1924.

Ser. No. 516,078. THE JOSEPH & FEISS CO., Cleveland, Ohio. Filed Nov. 18, 1947.

TOWNSTER

Applicant claims ownership of registrattion No. 314,405.
FOR OVERCOATS AND TOPCOATS FOR MEN AND BOYS.
Claims use since August 1927.

Ser. No. 517,289. CONSOLIDATED FOOTWEAR CORPORATION, New York, N. Y. Filed July 17, 1947.

STADIUM BOOT

The word "Boot" is disclaimed apart from the mark.
FOR LADIES', MISSES' AND CHILDREN'S BOOTS AND OVERSHOES, MADE OF LEATHER, RUBBER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.
Claims use since January 1935.

Ser. No. 526,965. MRS. DAY'S IDEAL BABY SHOE COMPANY, INC., Danvers, Mass. Filed July 5, 1947.

Ideal Baby Shoe

No claim is made to the words "Baby Shoe" apart from the remainder of the mark. Applicant claims ownership of registration No. 186,705.
FOR BABIES' AND CHILDREN'S SHOES, SLIPPERS, AND BOOTIES OF SHEEPSKIN, KID, CALF, AND FABRIC AND COMBINATIONS THEREOF.
Claims use since Mar. 1, 1903.

Ser. No. 526,975. MRS. DAY'S IDEAL BABY SHOE COMPANY, INC., Danvers, Mass. Filed July 5, 1947.

Ideal

Applicant claims ownership of registration No. 186,705.
FOR BABIES' AND CHILDREN'S SHOES, SLIPPERS, AND BOOTIES OF SHEEPSKIN, KID, CALF, AND FABRIC AND COMBINATIONS THEREOF.
Claims use since Mar. 1, 1903.

Ser. No. 531,054. SWEET-ORR & CO., INC., New York and Wappingers Falls, N. Y. Filed Aug. 11, 1947.

Immaculate Mac

FOR TROUSERS, BREECHES, AND JACKETS.
Claims use since May 1, 1931.

Ser. No. 533,042. MURPHY, BRILL & SAHNER, INC., New York, N. Y. Filed Sept. 2, 1947.

SERVITOR
"YOUR GUARANTOR OF SERVICE"

Applicant disclaims the words "Your Guarantor of Service" separately from the mark shown. Applicant claims ownership of registration No. 432,455.
FOR HOSIERY.
Claims use since Feb. 18, 1936.

Ser. No. 533,177. SAM LANDAU, New York, N. Y. Filed Sept. 3, 1947.

TULA

Applicant claims ownership of registration No. 411,499.
FOR LADIES' AND MISSES' SLIPS, NIGHTGOWNS, NEGLIGEES, AND NEGLIGEE ENSEMBLES.
Claims use since Aug. 17, 1943.

Ser. No. 534,817. RIEGEL TEXTILE CORPORATION, New York, N. Y. Filed Sept. 17, 1947.

Baby Anne

Applicant disclaims the word "Baby" apart from the mark.
FOR DIAPERS.
Claims use since Nov. 2, 1939.

Ser. No. 534,818. RIEGEL TEXTILE CORPORATION, New York, N. Y. Filed Sept. 17, 1947.

BABY PEGGY

Applicant disclaims the word "Baby" apart from the mark.
FOR DIAPERS.
Claims use since July 17, 1939.

Ser. No. 535,239. HARRY R. HIBBS, doing business as Harry R. Hibbs Co., Louisville, Ky. Filed Sept. 22, 1947.

FILSON CLUB

FOR MEN'S FELT HATS.
Claims use since Nov. 27, 1945.

Ser. No. 535,751. SOL SHERMAN, doing business as Sherman Bows, New York, N. Y. Filed Sept. 25, 1947.

WAY
SEVEN ~~DAY~~ WONDER

FOR BOW TIES.
Claims use since Aug. 18, 1947.

Ser. No. 536,177. VALCORT HOSIERY CORPORATION, New York, N. Y. Filed Sept. 29, 1947.

devilishly sheer

The word "Sheer" is disclaimed apart from the mark.
FOR LADIES HOSIERY.
Claims use since January 1947.

Ser. No. 536,295. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Sept. 30, 1947.

SQUIRE

Applicant claims ownership of registration No. 168,186.
FOR HOSIERY.
Claims use since Sept. 10, 1947.

Ser. No. 538,578. WILMINGTON HOSIERY MILLS, INC., Wilmington, Del. Filed Oct. 21, 1947.



The drawing is lined to indicate the color red. The word "Sox" is disclaimed apart from the mark as shown.
Applicant claims ownership of registration No. 411,748.
FOR HOSIERY.
Claims use since Sept. 25, 1945.

Ser. No. 538,907. HICKEY-FREEMAN COMPANY, Rochester, N. Y. Filed Oct. 24, 1947.

Ka'rajah

Applicant claims ownership of registration No. 361,456.
FOR MEN'S SUITS, TOPCOATS, AND OVERCOATS.
Claims use since Apr. 11, 1938.

Ser. No. 538,908. HICKEY-FREEMAN COMPANY, Rochester, N. Y. Filed Oct. 24, 1947.

Britonian

Applicant claims ownership of registration No. 250,286.
FOR MEN'S SUITS CONSISTING OF COAT, VEST, AND TROUSERS.
Claims use since July 20, 1928.

Ser. No. 539,462. THEO. WEISS & CO., INC., New Orleans, La. Filed Oct. 29, 1947.



Jacks are Better

FOR MEN'S TROUSERS.
Claims use since Aug. 20, 1947.

Ser. No. 539,952. J. GREENEBAUM TANNING CO., Chicago, Ill. Filed Nov. 3, 1947.

BARKROM

Applicant claims ownership of registration No. 228,211.
FOR SOLE LEATHER PRODUCTS—NAMELY, CUT SOLES, HEELS, AND TAPS.
Claims use since May 15, 1925.

Ser. No. 540,285. KABO CORSET COMPANY, Chicago, Ill. Filed Nov. 6, 1947.



The word "Bra" is disclaimed apart from the mark.
FOR BRASSIÈRES.
Claims use since Oct. 23, 1947..

Ser. No. 540,286. KABO CORSET COMPANY, Chicago, Ill. Filed Nov. 6, 1947.

K-bra

The word "Bra" is disclaimed apart from the mark as shown.
FOR BRASSIÈRES.
Claims use since Oct. 23, 1947.

Ser. No. 540,287. KABO CORSET COMPANY, Chicago, Ill. Filed Nov. 6, 1947.



FOR BRASSIÈRES.
Claims use since Oct. 23, 1947.

Ser. No. 542,769. JO-N-ART CO., INC., San Francisco, Calif. Filed Nov. 29, 1947.

DUB-LUP

FOR LADIES' AND MISSES' DRESSES..
Claims use since Oct. 16, 1947.

Ser. No. 551,552. MAX FELDT, doing business as Feldt Manufacturing Company, Temple, Tex. Filed Mar. 9, 1948.

Snap-Per-Roo

FOR MEN'S AND WOMEN'S SHIRTS, SPORT SHIRTS, JACKETS, SPORT COATS, AND SLACKS.
Claims use since June 1947.

Ser. No. 551,553. MAX FELDT, doing business as Feldt Manufacturing Company, Temple, Tex. Filed Mar. 9, 1948.

Tem-Tex

FOR MEN'S AND WOMEN'S SHIRTS, SPORT SHIRTS, NOVELTY SHIRTS, SPORT COATS, JACKETS, AND SLACKS.
Claims use since September 1944.

Ser. No. 551,642. THE FRANK H. LEE COMPANY, Danbury, Conn. Filed Mar. 10, 1948.

Telecrown

FOR MEN'S AND WOMEN'S FUR FELT HATS AND MEN'S STRAW HATS.
Claims use since Jan. 27, 1948.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 539,803. THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed July 7, 1947.

"Gem"

Applicant claims ownership of registration No. 314,754.
FOR KNITTING PINS, NEEDLES FOR HAND SEWING, SEWING MACHINE NEEDLES, CROCHET HOOKS, KNITTING PIN POINT PROTECTORS, EMBROIDERY AND PUNCH WORK NEEDLES, AND KNITTING PIN POINT PROTECTORS.
Claims use since 1908.

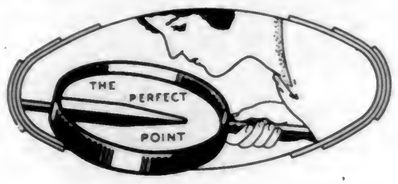
Ser. No. 539,808. THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed July 8, 1947. Under section 2f of the act of 1946.



The drawing is lined for shading only. Applicant claims ownership of registration No. 352,743.
FOR ART NEEDLEWORK IMPLEMENTS AND ACCESSORIES—NAMELY, CROCHET HOOKS, KNITTING

NEEDLES, BEAD STRINGING AND WEAVING OUTFITS, TATTING SHUTTLES, PIN-TYPE WEAVING FRAMES, EMBROIDERY HOOPS, KNITTING STITCH COUNTERS AND MARKERS, STITCH HOLDERS, EMBROIDERY AND PUNCH WORK NEEDLES, KNITTING BALL HOLDERS, KNITTING PIN POINT PROTECTORS, STILETTOS, BODKINS, INTERCHANGEABLE CROCHET HOOKS, CROCHET AND KNITTING GAUGE CARDS, YARN WINDERS AND KNITTING YARN HOLDERS, AND CROCHET FORKS; HAIRPINS; BOB HAIRPINS; SAFETYPINS; DRESS FASTENERS; NEEDLES FOR HAND SEWING; HOOKS AND EYES; BUTTONS; HAIR WAVERS (NON-ELECTRICAL); HAIR CURLERS (NON-ELECTRICAL); COMMON PINS; THIMBLES; NEEDLE THREADERS; STOCKING DARNERS; VEIL PINS; AND HAT PINS.
Claims use since May 1, 1936.

Ser. No. 539,809. THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed July 8, 1947. Under section 2f of the act of 1946.



The words "The Perfect Point" and the representation of the knitting pin point are disclaimed apart from the mark. The picture of the individual is fanciful. Applicant claims ownership of registration No. 327,747.
FOR KNITTING PINS OR NEEDLES FOR HAND USE.
Claims use since Nov. 26, 1932.

Ser. No. 539,810. THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed July 8, 1947. Under section 2f of the act of 1946.

CABLEKNIT

Applicant claims ownership of registration No. 350,009.
FOR KNITTING PINS OR NEEDLES FOR HAND USE.
Claims use since May 28, 1936.

Ser. No. 546,205. EVERFAST FABRICS, INC., New York, N. Y. Filed Jan. 5, 1948. Under section 2f of the act of 1946.

Everfast

Applicant claims ownership of registration No. 209,987.
FOR LINEN AND COTTON TAPE.
Claims use since Apr. 26, 1923.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 536,486. BENROSE FABRICS CORPORATION, New York, N. Y. Filed Oct. 2, 1947. Under section 2f of the act of 1946.

La Jerse

Applicant claims ownership of registration No. 399,781.
FOR TEXTILE FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS.
Claims use since Mar. 27, 1939.

Ser. No. 536,626. MOORESVILLE MILLS, INC., Mooresville, N. C. Filed Oct. 3, 1947.

BRIGAMOOR

FOR RAYON PIECE GOODS.
Claims use since Sept. 12, 1947.

Ser. No. 543,962. NATIONAL MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

COBWEB SHEER

Applicant disclaims the word "Sheer" apart from the mark shown.
FOR FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS.
Claims use since Jan. 1, 1938.

Ser. No. 543,969. NATIONAL MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Dec. 10, 1947.

INACLASS

FOR FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS.
Claims use since June 15, 1925.

Ser. No. 543,971. NATIONAL MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Dec. 10, 1947.

MIMOSA

FOR FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS.
Claims use since Apr. 1, 1924.

Ser. No. 543,973. NATIONAL MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Dec. 10, 1947.

CONTURA

FOR FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS.
Claims use since Nov. 1, 1947.

Ser. No. 543,974. NATIONAL MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Dec. 10, 1947.

LALIQUE

FOR FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS.
Claims use since Nov. 1, 1925.

Ser. No. 548,439. WELLINGTON SEARS COMPANY, New York, N. Y. Filed Jan. 30, 1948.

WELCON

FOR PIECE GOODS OF COTTON, WOOL, SILK, SYNTHETIC FIBERS, AND MIXTURES THEREOF.
Claims use since Sept. 22, 1947.

Ser. No. 553,411. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y. Filed Mar. 30, 1948.

SOCIETY

Applicant claims ownership of registration No. 122,746.
FOR BROAD SILKS IN THE PIECE.
Claims use since Nov. 25, 1905.

Ser. No. 553,911. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y. Filed Apr. 5, 1948.

CHUDDAH

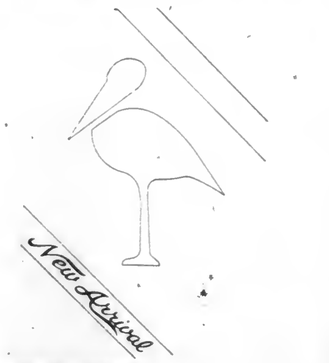
Applicant claims ownership of registration No. 273,698.
FOR FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE.
Claims use since Feb. 24, 1928.

Ser. No. 554,546. BACHMANN UXBRIDGE WORSTED CORPORATION, New York, N. Y. Filed Apr. 14, 1948. Under section 2f of the act of 1946.

EVERKOOL

Applicant claims ownership of registrations Nos. 344,113 and 344,720.
FOR WOOLEN FABRICS IN THE PIECE AND WORSTED FABRICS IN THE PIECE.
Claims use since Oct. 23, 1934.

Ser. No. 554,626. STORK WOOLENS, INC., New York, N. Y. Filed Apr. 14, 1948.



FOR BABY BLANKETS.
Claims use since Jan. 26, 1948.

Ser. No. 555,484. BERKSHIRE FINE SPINNING ASSOCIATES, INC., Providence, R. I., and Adams, Mass. Filed Apr. 24, 1948.



Applicant claims ownership of registration No. 289,431.
FOR TEXTILE FABRICS COMPOSED OF COTTON.
Claims use since 1877.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 517,765. BATTLE CREEK EQUIPMENT COMPANY, Battle Creek, Mich. Filed Jan. 23, 1948.

EXERSWING

FOR CHAIR TYPE THERAPEUTIC EXERCISING APPARATUS.
Claims use since Jan. 31, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 531,104. DOLLY FRUIT PRODUCTS CORP., Brooklyn, N. Y. Filed Aug. 12, 1947.

DOLLY

FOR FRUIT SYRUPS FOR MAKING MALTLESS SOFT DRINKS FOR USE AT SODA FOUNTAINS.
Claims use since Sept. 28, 1928.

Ser. No. 531,422. H. BARON & CO. INC., Linden, N. J. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

BARON'S

Applicant claims ownership of registration No. 318,007.
FOR NONALCOHOLIC, MALTLESS FRUIT SYRUPS AND JUICES FOR MAKING SOFT DRINKS.
Claims use since 1920.

Ser. No. 539,343. NATOLE OLIVIERI, doing business as Yoo-Hoo Chocolate Beverage Co., Garfield, N. J., assignor to Yoo-Hoo Chocolate Beverage Co., Garfield, N. J., a firm. Filed Oct. 28, 1947.

Yoo-Hoo

Applicant claims ownership of registration No. 168,971.
FOR NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK.
Claims use since July 3, 1922.

Ser. No. 560,801. JOHN E. FOWLER, Rosslyn, Va. Filed July 7, 1948. Under section 2f of the act of 1946.

Fowler's

The trade-mark shown is a facsimile representation of applicant's signature "Fowler's."
FOR MALTLESS SOFT DRINKS AND SYRUPS THEREFOR.
Claims use since Jan. 1, 1904.

Ser. No. 565,513. JOHN E. FOWLER, Rosslyn, Va. Filed July 7, 1948. Under section 2f of the act of 1946.



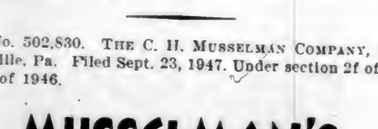
Applicant claims ownership of registrations Nos. 139,450, 152,065, and 152,588.
FOR MALTLESS SOFT DRINKS AND SYRUPS USED IN MAKING THE SAME.
Claims use since Apr. 1, 1909.

Ser. No. 565,514. JOHN E. FOWLER, Rossiyn, Va. Filed July 7, 1948. Under section 2f of the act of 1946.

CHERRY SMASH

The lining on the drawing represents red color. Applicant claims ownership of registrations Nos. 152,588, 43,667, 46,025, 139,450, and 152,065.
FOR MALTLESS SOFT DRINKS AND SYRUPS USED IN MAKING THE SAME.
Claims use since Apr. 1, 1909.

Ser. No. 565,515. JOHN E. FOWLER, Rossiyn, Va. Filed July 7, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of registrations Nos. 139,450, 152,065, and 152,588.
FOR MALTLESS SOFT DRINKS AND SYRUPS USED IN MAKING THE SAME.
Claims use since Apr. 1, 1909.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 496,478. SILVER BRUCE PACKING CO., Fresno, Calif. Filed Oct. 6, 1947.

SILVER BRUCE

No claim is made to the word "Bruce" apart from the mark as shown.
FOR FRESH GRAPES AND MELONS AND FRESH VEGETABLES.
Claims use since Aug. 17, 1945.

Ser. No. 500,678. MEAT INDUSTRY SUPPLIERS, INC., Chicago, Ill. Filed Nov. 15, 1947.

MIS-TANG

Applicant disclaims the word "Tang" apart from the mark as shown.
FOR SEASONING POWDER FOR USE IN MEATS.
Claims use since Mar. 14, 1946.

Ser. No. 502,830. THE C. H. MUSSELMAN COMPANY, Biglerville, Pa. Filed Sept. 23, 1947. Under section 2f of the act of 1946.

MUSSELMAN'S

FOR CANNED FRUITS, FRUIT JELLIES, APPLE BUTTER, APPLE SAUCE, TOMATO PUREE, TOMATO JUICE, VINEGAR, FROZEN DECIDUOUS FRUITS, APPLE PIE FILLING, CHERRY PIE FILLING, AND PEACH PIE FILL (PREPARED PIE FILLING), APPLE JUICE FOR FOOD PURPOSES.
Claims use since 1924.

Ser. No. 522,123. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Jan. 19, 1948. Under section 2f of the act of 1946.

Tender Leaf

Applicant claims ownership of registrations Nos. 308,840 and 315,818.
FOR TEA.
Claims use since Nov. 12, 1932.

Ser. No. 527,532. STANDARD MILLING COMPANY, Chicago, Ill. Filed July 5, 1947.



The stippling in the drawing is for shading only.
FOR WHEAT FLOUR.
Claims use since 1935.

Ser. No. 528,419. ARMOUR AND COMPANY, Chicago, Ill. Filed July 12, 1947. Under section 2f of the act of 1946.

Caserta

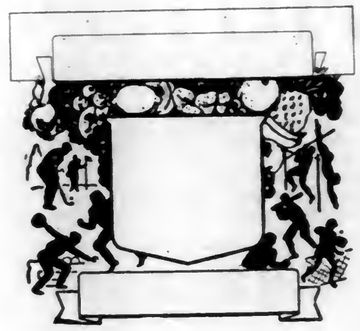
FOR SAUSAGE.
Claims use since 1917.

Ser. No. 528,863. HOMART FOODS, INC., Chicago, Ill. Filed July 18, 1947.

HOMART

FOR PREPARED DRY MIXES, FOR BAKING ROLLS.
Claims use since July 1, 1947.

Ser. No. 530,170. HAROLD COHEN, doing business as All American Fruit & Extract Co., Chicago, Ill. Filed Aug. 1, 1947.



Applicant waives exclusive right to the representation of the fruit apart from the design as shown.
FOR CRUSHED FRUITS USED IN FLAVORING AND TOPPING ICE CREAM SODA FOUNTAIN SPECIALTIES AND OTHER FROZEN DESSERTS.
Claims use since Oct. 16, 1944.

Ser. No. 530,832. D. W. MIKESELL, INC., Dayton, Ohio. Filed Aug. 8, 1947. Under section 2f of the act of 1946.

"Mike-sell's"

FOR POTATO CHIPS, PRETZELS, NOODLES, FRENCH FRIED POPCORN, CHILI POWDER, POTATO SALAD, AND DILL PICKLES.
Claims use on potato chips since 1914; on pretzels and French fried popcorn since 1927; and on noodles, chili powder, potato salad, and dill pickles since 1938.

Ser. No. 534,520. EAST SMITHFIELD FARMS, INC., Philadelphia, Pa. Filed Sept. 15, 1947. Under section 2f of the act of 1946.

Smithfield

Applicant claims ownership of registration No. 293,439.
FOR CHEESE.
Claims use since 1931.

Ser. No. 534,554. PFEIFFER'S FOOD PRODUCTS, INC., Buffalo, N. Y. Filed Sept. 15, 1947. Under section 2f of the act of 1946.

Pfeiffer's

FOR SALAD DRESSING.
Claims use since September 1927.

Ser. No. 534,697. VALLEY EVAPORATING CO., Yakima, Wash. Filed Sept. 16, 1947.

TRITON

Applicant claims ownership of registrations Nos. 407,411 and 239,096.
FOR EVAPORATED FRUITS, DEHYDRATED POTATOES, JAMS, JELLIES, PEACH PRESERVES, APRICOT PRESERVES, CHERRY PRESERVES, BLACK RASPBERRY PRESERVES, MINCEMEAT, AND UNSWEETENED APPLEJUICE.
Claims use since July 22, 1927.

Ser. No. 536,957. SANGER CITRUS ASSOCIATION, Sanger, Calif. Filed Oct. 6, 1947.

FOUR SQUARE

FOR FRESH CITRUS FRUITS.
Claims use since 1926.

Ser. No. 537,463. KRAFT FOODS COMPANY, Chicago, Ill. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

Chantelle

FOR CHEESE.
Claims use since Nov. 16, 1936.

Ser. No. 537,777. ADAMS PACKING ASSOCIATION, INC., Auburndale, Fla. Filed Oct 14, 1947.

MEDORA

Applicant claims ownership of registration No. 263,667.
FOR FRESH CITRUS FRUITS.
Claims use since Sept. 11, 1928.

Ser. No. 537,827. RED RIVER VALLEY POPCORN CO., Hugo, Okla. Filed Oct. 14, 1947.

BLITZ

FOR PACKAGED SHELLED POPCORN.
Claims use since Aug. 1, 1947.

Ser. No. 537,831. ROCHELLE ASPARAGUS COMPANY, Rochelle, Ill. Filed Oct. 14, 1947.

TEN-GREN

Applicant claims ownership of registration No. 363,782.
FOR CANNED ASPARAGUS.
Claims use since Aug. 24, 1937.

Ser. No. 539,940. A. W. CURTIS, JR., doing business as A. W. Curtis Laboratories, Detroit, Mich. Filed Nov. 3, 1947.



Dr. George W. Carver
CURTIS

No claim is made to the word "Curtis" apart from the mark as shown. The trade-mark consists of the name "Dr. George W. Carver" in association with the portrait of the individual, now deceased, together with the name "Curtis."
FOR PEANUT OIL USED FOR COOKING.
Claims use since May 21, 1947.

Ser. No. 540,278. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Nov. 6, 1947.

SILVER SPREAD

The word "Spread" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 131,986.
FOR OLEOMARGARINE.
Claims use since Dec. 1, 1919.

Ser. No. 540,509. F. G. WOOL PACKING COMPANY, San Jose, Calif. Filed Nov. 7, 1947. Under section 2f of the act of 1946.

Wool's

Applicant claims ownership of registration No. 175,488.
FOR CANNED FRUITS, CANNED FRUIT COCKTAIL, AND CANNED FRUITS FOR SALAD.
Claims use since Mar. 8, 1922.

CLASS 47

WINES

Ser. No. 521,063. ETIVISTA WINERY & VINEYARDS, Cucamonga, Calif. Filed Dec. 26, 1947.

Cuvalle

FOR WINES.
Claims use since Dec. 18, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 539,218. LE SAGE COMPANY, Dallas, Tex. Filed Oct. 27, 1947.

Valley Springs

Applicant claims ownership of registration No. 417,947.
FOR WHISKEY.
Claims use since 1937.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 534,569. UNITED PLASTIC CORPORATION, Clinton, Mass. Filed Sept. 15, 1947.

Steri-lite

Applicant disclaims "Lite" apart from the mark as shown.
FOR PLASTIC MILK BOTTLE CAPS.
Claims use since Sept. 15, 1945.

Ser. No. 537,991. CLIFTON CORLEY, doing business as Marietta Mills, New York, N. Y. Filed Oct. 16, 1947.

-DuRoC-

FOR ARTIFICIAL LEATHER IN THE PIECE.
Claims use since Jan. 4, 1940.

Ser. No. 539,337. NATIONAL PAPER PRODUCTS CO., INC., Brockton, Mass. Filed Oct. 28, 1947.

SURF

FOR DRINKING STRAWS MADE OF PAPER.
Claims use since Sept. 10, 1947.

Ser. No. 542,097. COOPERATIVE FOR AMERICAN REMITTANCES TO EUROPE, INC., New York, N. Y. Filed Nov. 24, 1947.

C.A.R.E.

FOR PACKAGES CONTAINING TWO OR MORE OF THE FOLLOWING KINDS OF GOODS—NAMELY, SOAP, FOOD, CLOTHING, TEXTILES, YARN, MEDICINES, GLASSWARE, CUTLERY, AND NOTIONS.
Claims use since Mar. 11, 1947.

Ser. No. 542,098. COOPERATIVE FOR AMERICAN REMITTANCES TO EUROPE, INC., New York, N. Y. Filed Nov. 24, 1947.

CARE

FOR PACKAGES CONTAINING TWO OR MORE OF THE FOLLOWING KINDS OF GOODS—NAMELY, SOAP, FOOD, CLOTHING, TEXTILES, YARN, MEDICINES, GLASSWARE, CUTLERY, AND NOTIONS.
Claims use since Mar. 7, 1946.

CLASS 55

SERVICES

Ser. No. 528,829. TRIANGLE PUBLICATIONS, INC., Philadelphia, Pa. Filed July 17, 1947. SERVICE MARK.

FAX FEATURE

No claim is made to the word "Feature" except as shown.
FOR BROADCASTING FACSIMILE EDITIONS OF A NEWSPAPER.
Claims use since May 5, 1947.

Ser. No. 529,295. THE PILGRIM LAUNDRY, INC., Brooklyn, N. Y. Filed July 23, 1947. SERVICE MARK.

THE PILGRIM LAUNDRY

Applicant claims no registration rights in the word "Laundry" apart from the mark.
FOR LAUNDRY, DRY-CLEANING, SHIRT REPAIRS, WASHING LACE CURTAINS, HAND-CARDING AND REBINDING BLANKETS, RENOVATING PILLOWS, FEATHER BEDS, AND FURNITURE COVERS, STORING AND CLEANING RUGS, CURTAINS, DRAPES, BLANKETS, AND WEARING APPAREL.
Claims use since 1894.

Ser. No. 534,697. VALLEY EVAPORATING CO., Yakima, Wash. Filed Sept. 16, 1947.

TRITON

Applicant claims ownership of registrations Nos. 407,411 and 239,096.
FOR EVAPORATED FRUITS, DEHYDRATED POTATOES, JAMS, JELLIES, PEACH PRESERVES, APRICOT PRESERVES, CHERRY PRESERVES, BLACK RASPBERRY PRESERVES, MINCEMEAT, AND UNSWEETENED APPLEJUICE.
Claims use since July 22, 1927.

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Claims use since Sept. 11, 1928.

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Claims use since Aug. 24, 1937.

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FOR OLEOMARGARINE.
Claims use since Dec. 1, 1919.

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FOR WINES.
Claims use since Dec. 18, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 539,218. LE SAGE COMPANY, Dallas, Tex. Filed Oct. 27, 1947.

Valley Springs

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FOR WHISKEY.
Claims use since 1937.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 534,569. UNITED PLASTIC CORPORATION, Clinton, Mass. Filed Sept. 15, 1947.

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Applicant disclaims "Lite" apart from the mark as shown.
FOR PLASTIC MILK BOTTLE CAPS.
Claims use since Sept. 15, 1945.

Ser. No. 537,991. CLIFTON CORLEY, doing business as Marietta Mills, New York, N. Y. Filed Oct. 16, 1947.

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C.A.R.E.

FOR PACKAGES CONTAINING TWO OR MORE OF THE FOLLOWING KINDS OF GOODS—NAMELY, SOAP, FOOD, CLOTHING, TEXTILES, YARN, MEDICINES, GLASSWARE, CUTLERY, AND NOTIONS.
Claims use since Mar. 11, 1947.

Ser. No. 542,098. COOPERATIVE FOR AMERICAN REMITTANCES TO EUROPE, INC., New York, N. Y. Filed Nov. 24, 1947.

CARE

FOR PACKAGES CONTAINING TWO OR MOBE OF THE FOLLOWING KINDS OF GOODS—NAMELY, SOAP, FOOD, CLOTHING, TEXTILES, YARN, MEDICINES, GLASSWARE, CUTLERY, AND NOTIONS.
Claims use since Mar. 7, 1946.

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Claims use since May 5, 1947.

Ser. No. 529,295. THE PILGRIM LAUNDRY, INC., Brooklyn, N. Y. Filed July 23, 1947. SERVICE MARK.

THE PILGRIM LAUNDRY

Applicant claims no registration rights in the word "Laundry" apart from the mark.
FOR LAUNDRY, DRY-CLEANING, SHIRT REPAIRS, WASHING LACE CURTAINS, HAND-CARDING AND REBINDING BLANKETS, RENOVATING PILLOWS, FEATHER BEDS, AND FURNITURE COVERS, STORING AND CLEANING RUGS, CURTAINS, DRAPES, BLANKETS, AND WEARING APPAREL.
Claims use since 1894.

Ser. No. 529,682. NORTHWESTERN MUTUAL FIRE ASSOCIATION, Seattle, Wash. Filed July 26, 1947. SERVICE MARK. Under section 2f of the act of 1946.



FOR FIRE, EXTENDED COVERAGE, WINDSTORM (INCLUDING HAIL), RIOT AND CIVIL COMMOTION, EXPLOSION, SPRINKLER LEAKAGE, EARTHQUAKE, INLAND MARINE, AUTOMOBILE, AIRCRAFT, AND MOTOR VEHICLE PROPERTY DAMAGE, VANDALISM AND MALICIOUS MISCHIEF INSURANCE.

Claims use since April 1937.

Ser. No. 529,690. THE PILGRIM LAUNDRY, INC., Brooklyn, N. Y. Filed July 26, 1947. SERVICE MARK.



THE PILGRIM LAUNDRY

Applicant claims no registration rights in the word "Laundry" apart from the mark.

FOR LAUNDRY, DRY-CLEANING, SHIRT REPAIRS, WASHING LACE CURTAINS, HAND-CARDING AND REBINDING BLANKETS, RENOVATING PILLOWS, FEATHER BEDS, AND FURNITURE COVERS, STORING AND CLEANING RUGS, CURTAINS, DRAPES, BLANKETS, AND WEARING APPAREL.

Claims use since Feb. 1, 1923.

Ser. No. 529,691. THE PILGRIM LAUNDRY INC., Brooklyn, N. Y. Filed July 26, 1947. SERVICE MARK.



The representation of the pilgrim is fanciful.

FOR LAUNDRY, DRY-CLEANING, SHIRT REPAIRS, WASHING LACE CURTAINS, HAND-CARDING AND REBINDING BLANKETS, RENOVATING PILLOWS, FEATHER BEDS, AND FURNITURE COVERS, STORING AND CLEANING RUGS, CURTAINS, DRAPES, BLANKETS, AND WEARING APPAREL.

Claims use since Feb. 1, 1923.

Ser. No. 538,029. NATIONAL AIRLINES, INC., Miami, Fla. Filed Oct. 16, 1947. SERVICE MARK.



The figure is merely a fanciful representation of a buccaneer.

FOR AIR TRANSPORTATION OF PASSENGERS, FREIGHT, EXPRESS, AND MAIL.

Claims use since January 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,292. WATCHES AND CHRONOMETERS, WATCH MOVEMENTS, WATCH CASES, DIALS, AND PARTS OF WATCHES. SOCIETE ANONYME MIDO, Bienne, Switzerland, assignor to Mido Watch Company of America, Inc., New York, N. Y.
Filed December 21, 1942. Serial No. 457,552. PUBLISHED AUGUST 10, 1948. Class 27.

441,293. HAIR WAVING LOTIONS. SALES AFFILIATES, INC., New York, N. Y.
Filed May 3, 1944. Serial No. 469,916. PUBLISHED AUGUST 24, 1948. Class 6.

441,294. ELECTRIC GENERATORS AND PARTS THEREOF, GAS AND GASOLINE ENGINE DRIVEN GENERATOR SETS, ETC. THE MASTER ELECTRIC COMPANY, Dayton, Ohio.
Filed June 15, 1944. Serial No. 471,267. PUBLISHED JULY 27, 1948. Class 21.

441,295. AMPHIBIAN TRACKED LANDING VEHICLES. FOOD MACHINERY CORPORATION, San Jose, Calif.
Filed August 4, 1944. Serial No. 472,948. PUBLISHED AUGUST 10, 1948. Class 19.

441,296. OUTSIDE TEMPERATURE-RESPONSIVE CONTROL INSTRUMENTS OF THE EXPANDING FLUID TYPE FOR ADJUSTING THE CUT IN TEMPERATURE OR PRESSURE OF THE CONTROLS FOR AUTOMATICALLY REGULATED BOILERS OF BUILDING HEATING SYSTEMS. SULLIVAN VALVE AND ENGINEERING COMPANY, Butte, Mont.
Filed December 11, 1944. Serial No. 477,438. PUBLISHED AUGUST 17, 1948. Class 26.

441,297. WOOLEN, WORSTED, LINEN, AND RAYON PIECE GOODS, AND CERTAIN PIECE GOODS KNOWN AS TROPICAL CLOTH. HERBERT R. LEEDS & CO., INC., New York, N. Y.
Filed February 8, 1945. Serial No. 479,580. PUBLISHED FEBRUARY 18, 1947. Class 42.

441,298. A HOUSE ORGAN PUBLICATION OF INTEREST TO ITS EMPLOYEES ISSUED BIMONTHLY. BENDIX AVIATION CORPORATION, doing business as Eclipse-Pioneer Division, Teterboro, N. J.
Filed April 6, 1945. Serial No. 481,771. PUBLISHED AUGUST 10, 1948. Class 38.

441,299. COTTON PIECE GOODS. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., now by change of name to Dan River Mills, Incorporated.
Filed May 25, 1945. Serial No. 483,790. PUBLISHED SEPTEMBER 4, 1945. Class 42.

441,300. TAPE AND LABELS OF GUMMED PAPER, CELLOPHANE, AND THE LIKE, FOR APPLICATION TO PACKAGES, LETTERS, AND OTHER OBJECTS, AND IMPRINTED WITH SCRIPTURAL OR LIKE MESSAGES. FRANK B. LANSBERG, doing business as Scripture Text Tape Co., St. Louis Mo.
Filed August 13, 1945. Serial No. 487,085. PUBLISHED AUGUST 24, 1948. Class 38.

441,301. AIRPLANES AND STRUCTURAL PARTS THEREFOR. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif.
Filed October 20, 1945. Serial No. 490,250. PUBLISHED AUGUST 10, 1948. Class 19.

441,302. RADIO RECEIVING SETS AND PARTS THEREOF. TELETONE RADIO COMPANY, New York, N. Y., assignor to Tele-Tone Radio Corp., New York, N. Y., a corporation of New York.
Filed November 10, 1945. Serial No. 491,437. PUBLISHED AUGUST 10, 1948. Class 21.

441,303. THIN, TRANSPARENT OR TRANSLUCENT SHEETS OR FILMS OF VINYL RESIN PLASTIC SOLD AS PIECE GOODS FOR USE IN MAKING SHOWER CURTAINS, BATHROOM CURTAINS, ETC. HARTE & CO., INC., New York, N. Y.
Filed November 17, 1945. Serial No. 491,755. PUBLISHED NOVEMBER 19, 1946. Class 42.

441,304. OPHTHALMIC DIAGNOSTIC INSTRUMENTS—NAMELY, INSTRUMENTS FOR THE DETERMINATION OF DEPTH PERCEPTION IN BINOCULAR VISION. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed November 21, 1945. Serial No. 491,945. PUBLISHED AUGUST 24, 1948. Class 26.

441,305. ASH TRAYS, CIGAR AND CIGARETTE CASES AND BOXES, COMBINATION CIGARETTE CASES AND LIGHTERS, ALL OF BASE METAL, SMOKERS' PIPES, TOBACCO POUCHES, SMOKERS' PIPE CLEANERS, CIGAR CUTTERS, AND CIGARETTE HOLDERS. COLIBRI LIGHTERS LIMITED, London, England.
Filed February 11, 1946. Serial No. 496,370. PUBLISHED APRIL 20, 1948. Class 8.

441,306. WINDOW WIPERS OF THE HAND OPERATED TYPE HAVING A RUBBER EDGE. G AND H MANUFACTURING CO., Philadelphia, Pa.
Filed March 9, 1946. Serial No. 497,930. PUBLISHED AUGUST 17, 1948. Class 29.

441,307. REPRODUCTIONS AND PHYSICAL IMPRESSIONS OF DESIGNS PRODUCED BY STENCILS, PRINTS, OR FREE-HAND ON PAPER, FABRIC, OR OTHER MEDIA, AND SOLD AS SUCH. OSCAR A. TURNER, doing business as Fabritecture Studio, Chicago, Ill.
Filed March 15, 1946. Serial No. 498,327. PUBLISHED AUGUST 17, 1948. Class 38.

441,308. ATTACHMENTS FOR COMMERCIAL WAGONS, TRUCKS, AND TRAILERS, IN THE FORM OF RACKS, RAILS, AND UPRIGHT AND HORIZONTAL MEMBERS FOR SUCH VEHICLES TO RETAIN VARIOUS ARTICLES OF EQUIPMENT AND MATERIAL FOR TRANSPORTATION, ETC. WILLIE W. JACKSON, Houston, Tex.
Filed March 25, 1946. Serial No. 498,902. PUBLISHED AUGUST 17, 1948. Class 19.

441,309. AIRPLANE PROPELLERS AND PROPELLER HUBS AND PARTS THEREOF. CONTINENTAL AVIATION AND ENGINEERING CORPORATION, Detroit, and Muskegon, Mich.
Filed April 1, 1946. Serial No. 499,390. PUBLISHED JULY 20, 1948. Class 19.

441,310. AIRPLANES AND STRUCTURAL PARTS THEREOF. VICKERS-ARMSTRONGS LIMITED, London, England.
Filed April 12, 1946. Serial No. 500,150. PUBLISHED JULY 20, 1948. Class 19.

441,311. BOOKLETS PUBLISHED AT IRREGULAR INTERVALS COMPRISING CHANGE OF SUBJECT MATTER IN DIFFERENT ISSUES. FEDERAL PRODUCTS CORPORATION, Providence, R. I.
Filed April 16, 1946. Serial No. 500,297. PUBLISHED AUGUST 17, 1948. Class 38.

441,312. HAND TRUCKS OF PLASTIC, FIBRE OR METAL FOR HANDLING MATERIAL AND WASTE. FIBRCAN CORPORATION, New York, N. Y.
Filed May 29, 1946. Serial No. 502,958. PUBLISHED AUGUST 17, 1948. Class 19.

441,313. ELECTRIC GAUGING MECHANISMS FOR DETERMINING PHYSICAL DIMENSIONS. ARLIN PRODUCTS, INCORPORATED, Detroit, Mich.
Filed June 17, 1946. Serial No. 504,024. PUBLISHED AUGUST 24, 1948. Class 26.

441,314. DECORATIVE GUMMED PAPER SEALS. ALFRED B. HEYES, doing business as Gift Card & Seal Co., Chicago, Ill.
Filed June 17, 1946. Serial No. 504,045. PUBLISHED AUGUST 10, 1948. Class 38.

441,315. ELECTRICAL EQUIPMENT, SPECIFICALLY RADIO AND TELEVISION RECEIVING SETS. TRADIO, INC., Deal, N. J.
Filed July 6, 1946. Serial No. 505,167. PUBLISHED AUGUST 17, 1948. Class 21.

441,316. PERIODICAL PUBLICATION. NATIONAL CHIROPRACTIC ASSOCIATION, INC., Webster City, Iowa.
Filed July 19, 1946. Serial No. 505,908. PUBLISHED AUGUST 24, 1948. Class 38.

441,317. TABLE CLOTHS, TEXTILE TABLE TOPS, NAPKINS, SHEETS AND PILLOW CASES, BARBER HAIR CLOTHS, BEAUTY PARLOR HAIR CLOTHS, FACE TOWELS, KITCHEN TOWELS, AND BATH TOWELS. BEST TEXTILE CORPORATION, New York, N. Y.
Filed July 23, 1946. Serial No. 506,088. PUBLISHED NOVEMBER 18, 1947. Class 42.

441,318. PAINT BRUSHES. RUBBERSET COMPANY, Newark, N. J.
Filed July 26, 1946. Serial No. 506,347. PUBLISHED SEPTEMBER 9, 1947. Class 29.

441,319. ELECTRIC SWITCHES, MECHANICAL ACTUATOR MECHANISMS FOR ELECTRIC SWITCHES, ETC. FIRST INDUSTRIAL CORPORATION, Freeport, Ill.
Filed August 1, 1946. Serial No. 506,659. PUBLISHED JULY 27, 1948. Class 21.

441,320. HELICOPTERS AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Wheatfield, N. Y.
Filed August 14, 1946. Serial No. 507,364. PUBLISHED AUGUST 17, 1948. Class 19.

441,321. HELICOPTERS AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Wheatfield, N. Y.
Filed August 14, 1946. Serial No. 507,365. PUBLISHED AUGUST 17, 1948. Class 19.

441,322. APPARATUS FOR ELECTRICALLY INDICATING THE CONDUCTIVITY OF AQUEOUS SOLUTIONS OF ACIDS, ALKALIES, AND SALTS TO MEASURE THE CONCENTRATION THEREOF. APPARATUS DEVELOPMENT COMPANY, Wethersfield, Conn.
Filed September 23, 1946. Serial No. 509,555. PUBLISHED AUGUST 24, 1948. Class 26.

441,323. TOOTH PASTE, SHAMPOO, HAIR LOTION, AND PINE BATH FOAM. HELENE PESSL, INC., New York, N. Y.
Filed September 24, 1946. Serial No. 509,672. PUBLISHED AUGUST 24, 1948. Class 6.

441,324. COMIC MAGAZINES PUBLISHED IN A SERIES. DEARFIELD PUBLISHING COMPANY, Chicago, Ill.
Filed November 5, 1946. Serial No. 512,055. PUBLISHED AUGUST 24, 1948. Class 38.

441,325. ORNAMENTAL JEWELRY—NAMELY, PEARL NECKLACES. AMERICAN PEARL COMPANY, Providence, R. I.
Filed November 13, 1946. Serial No. 512,478. PUBLISHED AUGUST 10, 1948. Class 28.

441,326. WATCHES AND CLOCKS, WATCH DIALS, WATCH-CASES, AND PARTS OF WATCHES. FABRIQUE D'HOROLOGERIE LEMANIA LUGRIN S. A., ORIENT, Vallee de Joux, Switzerland.
Filed November 20, 1946. Serial No. 512,903. PUBLISHED AUGUST 10, 1948. Class 27.

441,327. DAIRY FEEDS. INTERSTATE MILLING COMPANY, Charlotte, N. C.
Filed November 29, 1946. Serial No. 513,422. PUBLISHED JULY 27, 1948. Class 46.

441,328. AUTOMOBILE RADIO RECEIVING ANTENNAE, TELEVISION RECEIVING ANTENNAE, FREQUENCY MODULATION RECEIVING ANTENNAE, ROOF TOP RECEIVING ANTENNAE, WINDOW TYPE RECEIVING ANTENNAE. H. L. DALIS, INC., New York, N. Y.
Filed December 2, 1946. Serial No. 513,557. PUBLISHED AUGUST 17, 1948. Class 21.

441,329. DUSTING POWDER, TALC, BUBBLE BATH, AND TOILET WATER. SPORTLINE, INC., New York, N. Y.
Filed December 12, 1946. Serial No. 514,143. PUBLISHED MARCH 11, 1947. Class 6.

441,330. REBUILT ELECTRIC GENERATORS, ARMATURES, STARTER DRIVES AND FUEL PUMPS FOR INTERNAL COMBUSTION ENGINES, AND STORAGE BATTERIES. GENERATOR-IGNITION SALES CO., Oakland, Calif.
Filed December 24, 1946. Serial No. 514,757. PUBLISHED JULY 27, 1948. Class 21.

441,331. ELECTRIC HAND IRON. PIONEER PRODUCTS, INCORPORATED, Baltimore, Md.
Filed December 26, 1946. Serial No. 514,841. PUBLISHED AUGUST 3, 1948. Class 21.

441,332. ELECTRICAL WARNING DEVICE FOR MOTOR VEHICLES IN FORM OF PERIODIC LIGHT INTERRUPTOR. UNITED ACCESSORIES CORP., New York, N. Y.
Filed January 15, 1947. Serial No. 515,808. PUBLISHED AUGUST 17, 1948. Class 21.

441,333. WATCHES AND CLOCKS OF ALL KINDS AND PARTS THEREOF. THOMMENS UHRENFABRIKEN A. G., Waldenburg, Switzerland.
Filed January 22, 1947. Serial No. 516,155. PUBLISHED JULY 27, 1948. Class 27.

441,334. LIQUID SOLVENTS FOR CARBON, PAINT, ANILINE DYES, VARNISH, GUMMY RESIDUES, FOR USE IN THE CLEANING OF AUTOMOTIVE PARTS AND OTHER METAL PIECES. PRACTICAL PRODUCTS COMPANY, Minneapolis, Minn.
Filed January 25, 1947. Serial No. 516,375. PUBLISHED AUGUST 17, 1948. Class 4.

441,335. FUEL TANKS, COMBINED FUEL TANKS AND TOOL CHESTS AND JACK WELLS, AND MOUNTING BRACKETS AND FUEL CONNECTIONS THEREFOR. PRIOR PRODUCTS, INC., Middletown, Ohio.
Filed January 28, 1947. Serial No. 516,506. PUBLISHED AUGUST 3, 1948. Class 19.

441,336. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed February 10, 1947. Serial No. 517,246. PUBLISHED OCTOBER 14, 1947. Class 42.

441,337. AXIAL FLOW FANS HAVING CASINGS AND STATIONARY VANES FOR MOVING AIR FOR DOMESTIC AND INDUSTRIAL PURPOSES. JOY MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed February 14, 1947. Serial No. 517,487. PUBLISHED AUGUST 17, 1948. Class 34.

441,338. WATCHES AND CLOCKS. RAYMOND DODANE, Besancon (Doubs), France.
Filed February 15, 1947. Serial No. 517,562. PUBLISHED JULY 27, 1948. Class 27.

441,339. GLASS NIPPLE JARS AND FUNNELS. SANIT-ALL PRODUCTS CORPORATION, Greenwich, Ohio.
Filed February 24, 1947. Serial No. 518,048. PUBLISHED AUGUST 3, 1948. Class 38.

441,340. MAP HOLDERS OR JACKETS ADAPTED FOR APPLICATION TO SUN VISORS FOR AUTOMOBILES. ARTHUR J. FELTAULT, doing business as Visor-Ads, West Hartford, Conn.
Filed March 12, 1947. Serial No. 518,882. PUBLISHED AUGUST 10, 1948. Class 19.

441,341. ELECTRO-MECHANICAL INSTRUMENTS FOR THE STUDY OF THE FLOW CHARACTERISTICS OF THE FLUIDS IN AN OIL FIELD BY MEASURING THE ELECTROMOTIVE POTENTIALS IN A SOLUTION OF AN ELECTROLYTE IN A MODEL OF THE OIL FIELD. THE TEXAS COMPANY, New York, N. Y.
Filed March 7, 1947. Serial No. 519,146. PUBLISHED AUGUST 24, 1948. Class 26.

441,342. ELECTRO-MECHANICAL INSTRUMENTS FOR THE STUDY OF THE FLOW CHARACTERISTICS OF THE FLUIDS IN AN OIL FIELD. THE TEXAS COMPANY, New York, N. Y.
Filed March 17, 1947. Serial No. 519,147. PUBLISHED AUGUST 24, 1948. Class 26.

441,343. PRINTED MENU CARDS SOLD AS SUCH. REUBEN NOEL PERLEY, Omaha, Nebr.
Filed March 18, 1947. Serial No. 519,218. PUBLISHED AUGUST 24, 1948. Class 38.

441,344. DRAPERIES; VALANCES; AND COATED AND UNCOATED UPHOLSTERY AND DECORATIVE FABRICS, SOLD BY THE PIECE, YARD, AND BOLT, OF COTTON, WOOL, RAYON, SILK, AND COMBINATIONS THEREOF. EDWIN RAPHAEL COMPANY, INC., Chicago, Ill.
Filed March 19, 1947. Serial No. 519,294. PUBLISHED AUGUST 17, 1948. Class 42.

441,345. APPARATUS FOR PROVIDING AUDIBLE INDICATION TO TRACE ELECTRONIC SIGNALS IN RADIO APPARATUS AND THE LIKE, AND ELECTRONIC SOUND AMPLIFIERS. PRECISION ELECTRONICS, INC., Chicago, Ill.
Filed March 27, 1947. Serial No. 519,693. PUBLISHED AUGUST 10, 1948. Class 21.

441,346. HOLDERS FOR MAPS AND THE LIKE ADAPTED FOR DETACHABLE APPLICATION TO SUN VISORS FOR AUTOMOBILES. ARTHUR J. FELTAULT, doing business as Visor-Ads, West Hartford, Conn.
Filed April 4, 1947. Serial No. 520,156. PUBLISHED JULY 20, 1948. Class 19.

441,347. PERFUMES. JEAN-PASCAL LORRIAUX & CIE., Paris, Seine, France.
Filed April 9, 1947. Serial No. 520,401. PUBLISHED AUGUST 17, 1948. Class 6.

441,348. CANES WHICH MAY BE TRANSPOSED INTO A STAND FOR HOLDING CAMERAS. LINUS L. BLANCHARD, Hillside, N. J.
Filed April 18, 1947. Serial No. 520,927. PUBLISHED AUGUST 24, 1948. Class 26.

441,349. A HOUSE ORGAN ISSUED PERIODICALLY. SAFEWAY STORES, INCORPORATED, Oakland, Calif.
Filed April 25, 1947. Serial No. 521,362. PUBLISHED AUGUST 10, 1948. Class 38.

441,350. A PERIODICAL PUBLICATION PERTAINING TO THE LUMBER INDUSTRY. GEORGIA HARDWOOD LUMBER COMPANY, Augusta, Ga.
Filed June 9, 1947. Serial No. 523,835. PUBLISHED AUGUST 10, 1948. Class 38.

441,351. FURNACES, BOILERS, FUEL PREHEATERS USING COAL OR OIL FOR FUEL. CROTTY MANUFACTURING CORPORATION, New York, N. Y.
Filed June 11, 1947. Serial No. 523,947. PUBLISHED JULY 27, 1948. Class 34.

441,352. WATCHES AND WATCH MOVEMENTS. ELGIN NATIONAL WATCH COMPANY, Elgin, Ill.
Filed June 11, 1947. Serial No. 523,950. PUBLISHED AUGUST 17, 1948. Class 27.

441,353. PHARMACEUTICAL PREPARATION IN THE FORM OF CAPSULES TO BE GIVEN ORALLY FOR RELIEF OF NERVOUSNESS AND INDUCING SLEEP, AND TO BE USED ONLY BY OR DISPENSED UPON THE PRESCRIPTION OF A PHYSICIAN. FIRST TEXAS CHEMICAL MFG. CO., Dallas, Tex.
Filed June 11, 1947. Serial No. 523,951. PUBLISHED AUGUST 10, 1948. Class 6.

441,354. AIRPLANES AND STRUCTURAL PARTS THEREOF. PIPER AIRCRAFT CORPORATION, Lock Haven, Pa.
Filed June 12, 1947. Serial No. 524,080. PUBLISHED AUGUST 3, 1948. Class 19.

441,355. HAIR DRESSINGS, PRE-SHAVE LOTION, SHAVE LOTION, TALCUM POWDER, BODY POWDER AND DUSTING POWDER, COLOGNE, DEODORANTS, MATERIAL HAVING WATER SOFTENING PROPERTY FOR ADDITION TO BATH TO PRODUCE BUBBLE BATH, PERFUMES, AND TOILET WATER AND SHAMPOO. COURTLEY, LTD., New York, N. Y.
Filed June 17, 1947. Serial No. 524,304. PUBLISHED AUGUST 24, 1948. Class 6.

441,356. AUTOMATIC ELECTRIC IRONS, ELECTRIC HEATING PADS FOR GENERAL USE, AND TOASTERS. SON-CHIEF ELECTRICS, INCORPORATED, Winsted, Conn.
Filed June 20, 1947. Serial No. 524,578. PUBLISHED AUGUST 3, 1948. Class 21.

441,357. SELF-DISPENSING ROUGE AND POWDER PUFFS. DERMETICS, INC., New York, N. Y.
Filed June 21, 1947. Serial No. 524,599. PUBLISHED AUGUST 3, 1948. Class 29.

441,358. BRUSHES FOR USE BY PAINTERS, PAPERHANGERS, ARTISTS, SIGNWRITERS AND SIGN PAINTERS, ETC. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 24, 1947. Serial No. 524,737. PUBLISHED JULY 27, 1948. Class 29.

441,359. PAMPHLETS PUBLISHED FROM TIME TO TIME. JOSEPH A. SCHELF, Jackson Heights, N. Y.
Filed June 28, 1947. Serial No. 525,111. PUBLISHED AUGUST 10, 1948. Class 38.

441,360. WOOLEN AND WORSTED PIECE GOODS. J. P. STEVENS & CO., INC., New York, N. Y.
Filed July 2, 1947. Serial No. 525,700. PUBLISHED AUGUST 3, 1948. Class 42.

441,361. MONTHLY MAGAZINE. INTERNATIONAL ASSOCIATION, HIGH TWELVE CLUBS, St. Louis, Mo.
Filed July 4, 1947. Serial No. 526,238. PUBLISHED AUGUST 24, 1948. Class 38.

ACT OF 1920

These registrations are not subject to opposition.

441,362. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FARRAND OPTICAL CO., INC., New York, N. Y. Filed Aug. 14, 1945. Serial No. 487,121.

FARRAND

FOR OPTICAL INSTRUMENTS—NAMELY, OPTICAL FILTERS, OPTICAL LENS ARRAYS, TELESCOPES, RANGE FINDERS, SPECTROMETERS, PRISMS, ELECTRON MICROSCOPES.

Claims use since May 1, 1945.

441,363. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed July 2, 1947. Serial No. 525,730.

TRIANGULAR

FOR ELECTRIC RANGE UNITS AND IMMERSION HEATERS, AND PARTS THEREOF.

Claims use since June 1946.

ACT OF 1946, PRINCIPAL REGISTER

503,842. ELECTRIC RANGES AND COOKERS. ALLEN E. RAU, doing business as Rau's Chicken Dinner Inns, Union, Wash., assignor to Rau Electric Manufacturing Company, Inc., Union, Wash.
Filed September 15, 1947. Serial No. 501,007. PUBLISHED AUGUST 17, 1948. Class 21.

503,843. POWER DRIVEN, ROW, AND SAIL BOATS. ROBERT S. BOLES, Humarock, Mass.
Filed October 27, 1947. Serial No. 501,306. PUBLISHED AUGUST 17, 1948. Class 19.

503,844. PERIODICALLY AND INTERMITTENTLY APPEARING PRINTED PROGRAMS, MAGAZINES, AND LABOR UNION DIRECTORIES. CHICAGO FEDERATION OF LABOR, Chicago, Ill.
Filed December 2, 1947. Serial No. 502,488. PUBLISHED AUGUST 24, 1948. Class 38.

503,845. PERIODICALLY AND INTERMITTENTLY APPEARING PRINTED PROGRAMS, MAGAZINES, AND LABOR UNION DIRECTORIES. CHICAGO FEDERATION OF LABOR, Chicago, Ill.
Filed December 2, 1947. Serial No. 502,490. PUBLISHED AUGUST 24, 1948. Class 38.

503,846. ELECTRICAL HEATING MANTLES AND HEATERS FOR USE ON APPARATUS AND ARTICLES MADE OF GLASS, METAL OR OTHER MATERIALS, SAID MANTLES AND HEATERS COMPRISING ELECTRICAL RESISTANCE ELEMENTS SEWED INTO A FIREPROOF FABRIC JACKET OR ENVELOPE. GLAS-COL APPARATUS COMPANY, Terre Haute, Ind., assignor to Glas-Col Apparatus Company, Inc., Terre Haute, Ind.
Filed August 1, 1947. Serial No. 503,898. PUBLISHED JULY 27, 1948. Class 21.

503,847. SHAMPOO. HELENE CURTIS INDUSTRIES, A DIVISION OF NATIONAL INDUSTRIES, INC., Chicago, Ill.; said National Industries, Inc., now by change of name Helene Curtis Industries, Inc.
Filed October 18, 1947. Serial No. 505,892. PUBLISHED AUGUST 24, 1948. Class 6.

503,848. NONWOVEN FABRICS IN ROLLS AND CUT TO SIZE PIECES AND MADE OF UNSPUN SYNTHETIC FIBERS, COTTON, OR MIXTURES THEREOF AND UNIFIED BY BONDING THE FIBERS IN PLACE. THE VISKING CORPORATION, Chicago, Ill.
Filed July 5, 1947. Serial No. 506,147. PUBLISHED JULY 20, 1948. Class 42.

503,849. SLIDE FASTENERS MADE OF OR PLATED WITH PRECIOUS METAL. TALON, INC., Meadville, Pa.
Filed July 5, 1947. Serial No. 508,875. PUBLISHED AUGUST 10, 1948. Class 28.

503,850. ELECTRICAL PANEL BOARDS, COMPOSITE PANELS FOR ELECTRICAL USES, SWITCHBOARD PANELS, RADIO PANELS. MASONITE CORPORATION, Chicago, Ill., and Laurel, Miss.
Filed August 28, 1947. Serial No. 511,565. PUBLISHED AUGUST 17, 1948. Class 21.

503,851. WINDOW CURTAINS. STONE-CLINE CURTAIN CO., INC., Fitchburg, Mass.
Filed October 24, 1947. Serial No. 511,769. PUBLISHED AUGUST 17, 1948. Class 42.

503,852. SMOKING PIPES. JOHN HUDSON MOORE, INC., New York, N. Y.
Filed August 5, 1947. Serial No. 512,072. PUBLISHED AUGUST 17, 1948. Class 8.

503,853. HAIR BRUSHES, SHAVING BRUSHES, HAND BRUSHES, BATH BRUSHES, SHAMPOO BRUSHES, TOOTH BRUSHES, AND TOILET BRUSHES. JOHN HUDSON MOORE, INC., New York, N. Y.
Filed August 6, 1947. Serial No. 512,076. PUBLISHED JULY 27, 1948. Class 29.

503,854. REFLECTORS FOR ELECTRIC LIGHTS. FRED A. METLEN, Seattle, Wash.
Filed September 15, 1947. Serial No. 512,918. PUBLISHED AUGUST 17, 1948. Class 21.

503,855. WHEAT FLOUR. TEXAS STAR FLOUR MILLS, Galveston, Tex.
Filed November 28, 1947. Serial No. 513,002. PUBLISHED AUGUST 10, 1948. Class 46.

503,856. SMALL BOATS ADAPTED FOR USE WITH OUTBOARD MOTORS. SOUTHWEST MANUFACTURING COMPANY, Little Rock, Ark., assignee of Southwest Manufacturing Company.
Filed August 1, 1947. Serial No. 513,220. PUBLISHED JULY 20, 1948. Class 19.

503,857. FLAT SASH BRUSHES FOR APPLYING PAINT OR OTHER LIQUID TO SASHES, WINDOW FRAMES AND THE LIKE. WHITING ADAMS COMPANY, INC., Boston, Mass.
Filed August 23, 1947. Serial No. 513,354. PUBLISHED AUGUST 3, 1948. Class 29.

503,858. ELECTRIC FOOD ROASTERS. THE SWARTZBAUGH MANUFACTURING COMPANY, Toledo, Ohio.
Filed September 4, 1947. Serial No. 516,328. PUBLISHED JULY 27, 1948. Class 21.

503,859. PERIODICAL PUBLISHED MONTHLY. ROYAL PLASTICS CORPORATION, Cincinnati, Ohio.
Filed July 29, 1947. Serial No. 517,327. PUBLISHED AUGUST 17, 1948. Class 38.

503,860. COMPOSITION FOR TREATMENT OF FUEL OILS TO PREVENT AND ELIMINATE SLUDGE. METROPOLITAN REFINING CO., INC., New York, N. Y.
Filed September 10, 1947. Serial No. 517,918. PUBLISHED AUGUST 24, 1948. Class 6.

503,861. AUTOMOTIVE AND GAS ENGINE SPARK PLUGS AND PARTS THEREFOR. STITT IGNITION COMPANY, Columbus, Ohio.
Filed September 16, 1947. Serial No. 518,111. PUBLISHED AUGUST 17, 1948. Class 21.

503,862. CLEANER IN POWDER FORM FOR USE IN CLEANING DAIRY UTENSILS AND MACHINERY. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed August 2, 1947. Serial No. 518,285. PUBLISHED AUGUST 17, 1948. Class 4.

503,863. OIL BURNERS AND OIL BURNING EQUIPMENT FOR DOMESTIC AND COMMERCIAL PURPOSES—NAMELY, STORAGE WATER HEATERS AND AUXILIARY WATER HEATERS, COMMERCIAL AND DOMESTIC SPACE HEATERS, FLOOR FURNACES, AND BASEMENT FURNACES. KRESKY MFG. CO., INC., Petaluma, Calif.
Filed August 11, 1947. Serial No. 518,896. PUBLISHED AUGUST 10, 1948. Class 34.

503,864. ELECTRICALLY OPERATED PORTABLE TOOLS—NAMELY, GRINDERS, SANDERS, DRILLS, SCREW DRIVERS, BUFFERS, POLISHERS, WIRE BRUSHES, AND NUT RUNNERS. BUCKEYE TOOLS CORPORATION, Dayton, Ohio.
Filed September 29, 1947. Serial No. 519,623. PUBLISHED JULY 27, 1948. Class 21.

503,865. ELECTRICAL HEATING UNITS OF THE RESISTANCE WIRE COIL TYPE FOR ELECTRIC RANGES. TUTTLE & KIFT, INC., Chicago, Ill.
Filed October 1, 1947. Serial No. 520,481. PUBLISHED JULY 27, 1948. Class 21.

503,866. METAL POLISH IN LIQUID FORM. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed August 2, 1947. Serial No. 521,248. PUBLISHED AUGUST 17, 1948. Class 4.

503,867. CLEANSER IN POWDERED FORM HAVING INCIDENTAL WATER-SOFTENING PROPERTIES, FOR CLEANING AND SOAKING MILKING MACHINE TUBES AND FOR CLEANING VACUUM LINES AND THE LIKE. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed August 2, 1947. Serial No. 522,734. PUBLISHED AUGUST 17, 1948. Class 4.

503,868. METAL WORKING LATHES. THE R. K. LEBLOND MACHINE TOOL CO., Cincinnati, Ohio.
Filed July 5, 1947. Serial No. 526,504. PUBLISHED JULY 20, 1948. Class 23.

503,869. SAL SODA, AND BAKING SODA (BICARBONATE OF SODA), FOR USE AS A DETERGENT, CLEANING AND WASHING AGENT. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,742. PUBLISHED AUGUST 17, 1948. Class 4.

503,870. SAL SODA, AND BAKING SODA (BICARBONATE OF SODA), FOR USE AS A DETERGENT, CLEANING AND WASHING AGENT. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,761. PUBLISHED AUGUST 17, 1948. Class 4.

503,871. SAL SODA, MONOHYDRATED CARBONATE OF SODA, AND BAKING SODA (BICARBONATE OF SODA), FOR USE AS A DETERGENT, CLEANING, AND WASHING AGENT. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,779. PUBLISHED AUGUST 17, 1948. Class 4.

503,872. SAL SODA AND BICARBONATE OF SODA (BAKING SODA) FOR USE AS A DETERGENT, CLEANING AND WASHING AGENT. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,792. PUBLISHED AUGUST 17, 1948. Class 4.

503,873. HOUSE TRAILERS. LIGHTHOUSE TRAILER INC., Chicago, Ill.
Filed July 5, 1947. Serial No. 526,884. PUBLISHED AUGUST 3, 1948. Class 19.

503,874. ELECTRIC MOTOR-CLUTCHES, INCLUDING MOTORS AND CONTROLS THEREFOR. DYNAMATIC CORPORATION, Kenosha, Wis.
Filed July 5, 1947. Serial No. 527,431. PUBLISHED AUGUST 17, 1948. Class 21.

503,875. INCENSE. SATISH C. GHOSE, doing business as India Incense Co., Chicago, Ill.
Filed July 5, 1947. Serial No. 527,516. PUBLISHED AUGUST 17, 1948. Class 6.

503,876. ELECTRICAL LINE AND CONDUIT FITTINGS AND FIXTURES—NAMELY, WIRE AND CABLE, ETC. RELIABLE ELECTRIC COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,539. PUBLISHED JULY 27, 1948. Class 21.

503,877. ELECTRICAL LIGHTING FIXTURES, AND BRACKETS AND STANDS FOR THE SUPPORT OF ELECTRIC LAMPS AND MICROPHONES. DAZOR MANUFACTURING CORP., St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,914. PUBLISHED JULY 27, 1948. Class 21.

503,878. FRICTION TAPE AND SPLICING COMPOUND (RUBBER INSULATING TAPE). PARR ELECTRIC CO., INC., Newark, N. J.
Filed July 8, 1947. Serial No. 528,129. PUBLISHED AUGUST 17, 1948. Class 21.

503,879. DRINKING WATER. HINCKLEY AND SCHMITT, Chicago, Ill.
Filed July 11, 1947. Serial No. 528,349. PUBLISHED JUNE 1, 1948. Class 45.

503,880. AUTO SEAT COVERS, BOAT COVERS, AND BOAT SAILS, ALL MADE OF CANVAS. EVEREADY CANVAS CORPORATION, New York, N. Y.
Filed July 15, 1947. Serial No. 528,616. PUBLISHED AUGUST 3, 1948. Class 19.

503,881. COATED ABRASIVE PRODUCTS HAVING A FLEXIBLE BACKING WITH AN ABRASIVE SECURED TO THE BACKING BY AN ADHESIVE. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 16, 1947. Serial No. 528,674. PUBLISHED AUGUST 17, 1948. Class 4.

503,882. SOLDERLESS CONNECTORS FOR ELECTRIC WIRES AND GROUND ROD CLAMPS. JASPER BLACKBURN PRODUCTS CORPORATION, St. Louis, Mo.
Filed July 21, 1947. Serial No. 528,985. PUBLISHED AUGUST 17, 1948. Class 21.

503,883. ELECTRICAL EQUIPMENT AND SUPPLIES—NAMELY, ELECTRICAL OUTBOARD MOTORS AND WELDING GENERATORS. LE JAY MANUFACTURING CO., Minneapolis, Minn.
Filed July 21, 1947. Serial No. 529,059. PUBLISHED AUGUST 17, 1948. Class 21.

503,884. BALLS USED IN MEASURING AND TESTING INSTRUMENTS, INCLUDING VISCOSITY TESTING INSTRUMENTS, INSTRUMENTS FOR TESTING THE LUBRICATING QUALITY OF OIL, ETC. S K F INDUSTRIES, INC., Philadelphia, Pa.
Filed July 21, 1947. Serial No. 529,092. PUBLISHED AUGUST 24, 1948. Class 26.

503,885. BALLS USED IN MEASURING AND TESTING INSTRUMENTS, INCLUDING VISCOSITY TESTING INSTRUMENTS, INSTRUMENTS FOR TESTING THE LUBRICATING QUALITY OF OIL, ETC. S K F INDUSTRIES, INC., Philadelphia, Pa.
Filed July 21, 1947. Serial No. 529,096. PUBLISHED AUGUST 24, 1948. Class 26.

503,886. FABRICS IN THE PIECE OF COTTON, RAYON, AND WOOL, OR COMBINATIONS THEREOF. ROBERT W. HAMILTON INC., New York, N. Y.
Filed July 24, 1947. Serial No. 529,381. PUBLISHED AUGUST 17, 1948. Class 42.

503,887. GLOVE TO BE USED AS A PAINT APPLICATOR. THE ARCO COMPANY, Cleveland, Ohio.
Filed July 25, 1947. Serial No. 529,432. PUBLISHED AUGUST 17, 1948. Class 29.

503,888. AUTOMATICALLY-CONTROLLED WOOD BURNING HEATERS. AUTOMATIC DRAFT & STOVE CO., INC., Lynchburg, Va.
Filed July 28, 1947. Serial No. 529,739. PUBLISHED AUGUST 17, 1948. Class 34.

503,889. AUTOMOTIVE AND RAILROAD VEHICLE BODIES. THE WAYNE WORKS, Richmond, Ind.
Filed July 28, 1947. Serial No. 529,844. PUBLISHED AUGUST 17, 1948. Class 19.

503,890. BICYCLES. BOREN BICYCLE COMPANY, Little Rock, Ark.
Filed August 4, 1947. Serial No. 530,372. PUBLISHED AUGUST 3, 1948. Class 19.

503,891. TANNING EXTRACTS. INTERNATIONAL PRODUCTS CORPORATION, New York, N. Y.
Filed August 5, 1947. Serial No. 530,513. PUBLISHED AUGUST 24, 1948. Class 6.

503,892. STERLING SILVER FLATWARE AND HOLLOW WARE. THE EASTERLING COMPANY, Chicago, Ill.
Filed August 9, 1947. Serial No. 530,924. PUBLISHED AUGUST 10, 1948. Class 28.

503,893. BRUSHES FOR CLOTHES; BRUSHES, MOPS, AND DUSTERS FOR HOUSEHOLD USES; AND COMB CLEANERS, THE SAME BEING BRUSHES HELPFUL IN THE CLEANING OF HAIR COMBS, BECAUSE THEIR BRISTLES PENETRATE BETWEEN THE TEETH AND ASSIST IN REMOVING ACCUMULATION. KELLOGG BRUSH MANUFACTURING COMPANY, Westfield, Mass.
Filed August 9, 1947. Serial No. 530,938. PUBLISHED JULY 20, 1948. Class 29.

503,894. AUTOMOBILES. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed August 12, 1947. Serial No. 531,160. PUBLISHED AUGUST 17, 1948. Class 19.

503,895. LIQUID FUEL BURNER FOR TOBACCO CURING HOUSES AND THE LIKE. HALLMAN FOUNDRY CO., INC., Sanford, N. C.
Filed August 13, 1947. Serial No. 531,208. PUBLISHED JUNE 29, 1948. Class 34.

503,896. CHESTS IN THE NATURE OF STRONG-BOXES AND SAFES AND METAL STRUCTURES IN THE NATURE OF SAFES AND PARTS THEREOF. DIEBOLD, INCORPORATED, Canton, Ohio.
Filed August 14, 1947. Serial No. 531,318. PUBLISHED AUGUST 3, 1948. Class 25.

503,897. DAYLIGHT VAULT DOOR PERSONNEL PROTECTIVE LOCKS. DIEBOLD, INCORPORATED, Canton, Ohio.
Filed August 14, 1947. Serial No. 531,319. PUBLISHED JULY 27, 1948. Class 25.

503,898. MAPS AND PERIODICAL PUBLICATIONS. NATIONAL GEOGRAPHIC SOCIETY, Washington, D. C.
Filed August 15, 1947. Serial No. 531,504. PUBLISHED AUGUST 24, 1948. Class 38.

503,899. NON-SLIP PLASTICLIKE MATERIAL FOR USE ON OILY, GREASY, AND WET FLOORS AND SURFACES. WALTER G. LEGGE COMPANY, INC., New York, N. Y.
Filed August 22, 1947. Serial No. 532,141. PUBLISHED AUGUST 17, 1948. Class 4.

503,900. HAND KNITTING YARNS. WILLIAM DORSEY YOUNG, Washington, D. C.
Filed August 22, 1947. Serial No. 532,186. PUBLISHED JUNE 22, 1948. Class 43.

503,901. SILK, COTTON, NYLON, RAYON AND WOOL AND MIXTURES THEREOF IN PIECE GOODS. ARTHUR E. NEUMANN, Chicago, Ill., assignor to Gantner & Mattern Company, San Francisco, Calif.
Filed August 25, 1947. Serial No. 532,334. PUBLISHED MARCH 30, 1948. Class 42.

503,902. AIR CIRCULATORS. CORY CORPORATION, Chicago, Ill.
Filed August 29, 1947. Serial No. 532,809. PUBLISHED JUNE 29, 1948. Class 34.

503,903. ELECTRICAL MOTORS AND VARIOUS TYPES OF PORTABLE ELECTRICALLY-DRIVEN TOOLS—NAMELY, DRILLS, GRINDERS, HACK SAWS, AND SCREW DRIVERS. LOUISVILLE ELECTRIC MANUFACTURING COMPANY, Louisville, Ky.
Filed August 30, 1947. Serial No. 532,943. PUBLISHED JULY 27, 1948. Class 21.

503,904. MAGNETIC SEPARATORS FOR REMOVING MAGNETICALLY SUSCEPTIBLE PARTICLES FROM LIQUIDS AND/OR DRY STREAMS. S. G. FRANTZ CO., INC., New York, N. Y.
Filed September 3, 1947. Serial No. 533,156. PUBLISHED JULY 27, 1948. Class 21.

503,905. PORTABLE ELECTRIC HAND MANIPULABLE DRILLS. EUGENE S. KARLSEN, doing business as American Engineering Steel & Tool Co., Chicago, Ill.
Filed September 4, 1947. Serial No. 533,319. PUBLISHED AUGUST 10, 1948. Class 21.

503,906. STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE. NATIONAL SILVER COMPANY, New York, N. Y.
Filed September 4, 1947. Serial No. 533,352. PUBLISHED AUGUST 10, 1948. Class 28.

503,907. MIXTURE OF INORGANIC SALTS HAVING A LOW MELTING POINT AND SUITABLE FOR USE AS A MOLTEN TEMPERING MEDIA FOR THE HEAT TREATMENT OF STEELS. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed September 5, 1947. Serial No. 533,572. PUBLISHED AUGUST 24, 1948. Class 6.

503,908. RECORDING TAPE FOR MAGNETIZED REPRODUCTION. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed September 5, 1947. Serial No. 533,593. PUBLISHED AUGUST 17, 1948. Class 21.

503,909. FEATURE ARTICLES APPEARING IN A PUBLICATION PUBLISHED TWICE MONTHLY. PRACTICAL METHODS FOR INDUSTRY, INC., New York, N. Y.
Filed September 9, 1947. Serial No. 533,920. PUBLISHED AUGUST 24, 1948. Class 38.

503,910. PHOTOGRAPHIC CAMERAS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed September 11, 1947. Serial No. 534,106. PUBLISHED AUGUST 24, 1948. Class 26.

503,911. DANDRUFF LOTION. AL NADREAU, Miami, Fla.
Filed September 16, 1947. Serial No. 534,652. PUBLISHED AUGUST 17, 1948. Class 6.

503,912. STORAGE BATTERIES. THE PEP BOYS, MANNY, MOE & JACK, doing business as Sturdee Storage Battery Co., Philadelphia, Pa.
Filed September 16, 1947. Serial No. 534,665. PUBLISHED AUGUST 17, 1948. Class 21.

503,913. STORAGE BATTERIES. THE PEP BOYS, MANNY, MOE & JACK, doing business as Stratford Storage Battery Co., Philadelphia, Pa.
Filed September 16, 1947. Serial No. 534,667. PUBLISHED AUGUST 10, 1948. Class 21.

503,914. SPARK PLUGS. WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del.
Filed September 16, 1947. Serial No. 534,704. PUBLISHED AUGUST 3, 1948. Class 21.

503,915. KNITTED FABRICS IN THE PIECE OF WOOL FIBRES. BEAUNIT MILLS, INC., New York, N. Y.
Filed September 18, 1947. Serial No. 534,869. PUBLISHED AUGUST 3, 1948. Class 42.

503,916. ELECTRIC COOKING STOVES. GIBSON REFRIGERATOR COMPANY, Greenville, Mich.
Filed September 20, 1947. Serial No. 535,144. PUBLISHED AUGUST 17, 1948. Class 21.

503,917. HAIR BRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed September 24, 1947. Serial No. 535,621. PUBLISHED AUGUST 3, 1948. Class 29.

503,918. WATCHES, PENDULUM CLOCKS, ALARM CLOCKS, AND THEIR MOVEMENTS. MANUFACTURE D'HOROLOGERIE PRÉCIMAX S. A., Neuchatel, Switzerland.
Filed September 25, 1947. Serial No. 535,726. PUBLISHED AUGUST 10, 1948. Class 27.

503,919. CARBON BLACK FOR USE IN THE MANUFACTURING OF INKS. GODFREY L. CABOT, INC., Boston, Mass.
Filed September 26, 1947. Serial No. 535,794. PUBLISHED AUGUST 17, 1948. Class 11.

503,920. WINDOW CURTAINS AND TABLE COVERINGS OF COATED TEXTILE FABRIC OR THIN TRANSPARENT OR TRANSLUCENT SHEETED PLASTIC FILM SOLD BY THE PIECE. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed September 26, 1947. Serial No. 535,848. PUBLISHED MARCH 16, 1948. Class 42.

503,921. WINDOW CURTAINS AND TABLE COVERINGS OF COATED TEXTILE FABRIC OR THIN TRANSPARENT OR TRANSLUCENT SHEETED PLASTIC FILM SOLD BY THE PIECE. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed September 26, 1947. Serial No. 535,849. PUBLISHED MARCH 16, 1948. Class 42.

503,922. COLUMN IN A MAGAZINE. FARM JOURNAL, INC., Philadelphia, Pa.
Filed September 29, 1947. Serial No. 536,070. PUBLISHED AUGUST 24, 1948. Class 38.

503,923. UPHOLSTERY, DRAPERY, AND DECORATIVE FABRICS, IN THE PIECE, OF COTTON, LINEN, JUTE, WOOL, MOHAIR, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF. LOUISVILLE TEXTILES, INCORPORATED, Louisville, Ky.
Filed September 29, 1947. Serial No. 536,109. PUBLISHED AUGUST 17, 1948. Class 42.

503,924. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, BRACELETS, LAVALIERS, ORNAMENTAL PINS, ORNAMENTAL CLIPS, NECKLACES, FINGER RINGS, PENDANTS, AND BROOCHES, ALL MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL. MAX RAITHUS, Brooklyn, N. Y.
Filed September 29, 1947. Serial No. 536,134. PUBLISHED AUGUST 10, 1948. Class 28.

503,925. SOAP. THE FAIR, Chicago, Ill.
Filed October 1, 1947. Serial No. 536,366. PUBLISHED AUGUST 17, 1948. Class 4.

503,926. WATCHES AND PARTS OF WATCHES. SCHLUP & CO., LTD., Lengnau, Switzerland.
Filed October 3, 1947. Serial No. 536,644. PUBLISHED AUGUST 10, 1948. Class 27.

503,927. COAL STOVES AND RANGES AND GAS STOVES AND RANGES. CROWN STOVE WORKS, Chicago, Ill.
Filed October 3, 1947. Serial No. 536,673. PUBLISHED AUGUST 17, 1948. Class 34.

503,928. COTTON PIECE GOODS. CANTON COTTON MILLS, Canton, Ga.
Filed October 4, 1947. Serial No. 536,762. PUBLISHED AUGUST 3, 1948. Class 42.

503,929. ELECTRICAL APPARATUS—NAMELY, MOTORS, GENERATORS, VARIABLE SPEED MOTOR CONTROLS, AND INVERTERS. THE LELAND ELECTRIC COMPANY, Dayton, Ohio.
Filed October 6, 1947. Serial No. 536,910. PUBLISHED AUGUST 17, 1948. Class 21.

503,930. CIGARETTES. P. LORILLARD COMPANY, New York, N. Y.
Filed October 6, 1947. Serial No. 536,929. PUBLISHED AUGUST 17, 1948. Class 17.

503,931. CIGARETTES. P. LORILLARD COMPANY, New York, N. Y.
Filed October 6, 1947. Serial No. 536,931. PUBLISHED AUGUST 17, 1948. Class 17.

503,932. CIGARS. P. LORILLARD COMPANY, New York, N. Y.
Filed October 6, 1947. Serial No. 536,932. PUBLISHED AUGUST 17, 1948. Class 17.

503,933. SMOKING TOBACCO. P. LORILLARD COMPANY, New York, N. Y.
Filed October 6, 1947. Serial No. 536,934. PUBLISHED AUGUST 17, 1948. Class 17.

503,934. FACIAL CREAMS. ELMO, INC., Philadelphia, Pa.
Filed October 7, 1947. Serial No. 537,025. PUBLISHED AUGUST 17, 1948. Class 6.

503,935. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, BRACELETS, NECKLACES, WATCH CHAINS, NECK CHAINS, CUFF BUTTONS AND LINKS, ANKLETS, LOCKETS, CHOKERS, CHARMS, WATCH FOBS AND ORNAMENTAL CLASP PINS, ETC. J. F. STURDY'S SONS COMPANY, Attleboro Falls, Mass.
Filed October 7, 1947. Serial No. 537,095. PUBLISHED AUGUST 10, 1948. Class 28.

503,936. PORTABLE FIRE ALARMS COMPRISED OF A BELL AND BELL RINGING MECHANISM OPERATED BY DRY CELLS AND SET IN OPERATION THROUGH THE ACTUATION OF A TEMPERATURE CONTROLLED ELEMENT. RUDOLPH B. THORNTON, Winchester, Mass.
Filed October 7, 1947. Serial No. 537,103. PUBLISHED AUGUST 17, 1948. Class 21.

503,937. TEXTILE FABRICS IN THE PIECE, OF WOOL, WORSTED, RAYON, PROTEIN FIBRES, AND COMBINATIONS THEREOF. DANIEL W. FARNSWORTH, New York, N. Y.
Filed October 10, 1947. Serial No. 537,441. PUBLISHED AUGUST 17, 1948. Class 42.

503,938. COTTON PIECE GOODS. J. L. STIFEL & SONS, INC., Wheeling, W. Va.
Filed October 10, 1947. Serial No. 537,483. PUBLISHED AUGUST 3, 1948. Class 42.

503,939. RADIO FREQUENCY POWER AMPLIFIERS. RADIO ENGINEERING LABORATORIES, INC., Long Island City, N. Y.
Filed October 10, 1947. Serial No. 537,503. PUBLISHED AUGUST 10, 1948. Class 21.

503,940. COTTON PIECE GOODS. SAYLES FINISHING PLANTS, INC., Saylesville, R. I., and New York, N. Y.
Filed October 10, 1947. Serial No. 537,511. PUBLISHED AUGUST 17, 1948. Class 42.

503,941. COTTON PIECE GOODS. SAYLES FINISHING PLANTS, INC., Saylesville, R. I., and New York, N. Y.
Filed October 10, 1947. Serial No. 537,512. PUBLISHED AUGUST 17, 1948. Class 42.

503,942. COTTON PIECE GOODS. SAYLES FINISHING PLANTS, INC., Saylesville, R. I., and New York, N. Y.
Filed October 10, 1947. Serial No. 537,513. PUBLISHED AUGUST 17, 1948. Class 42.

503,943. COTTON PIECE GOODS. SAYLES FINISHING PLANTS, INC., Saylesville, R. I., and New York, N. Y.
Filed October 10, 1947. Serial No. 537,514. PUBLISHED AUGUST 17, 1948. Class 42.

503,944. COTTON PIECE GOODS. SAYLES FINISHING PLANTS, INC., Saylesville, R. I., and New York, N. Y.
Filed October 10, 1947. Serial No. 537,516. PUBLISHED AUGUST 17, 1948. Class 42.

503,945. NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. CORO, INC., New York, N. Y.
Filed October 16, 1947. Serial No. 537,992. PUBLISHED AUGUST 10, 1948. Class 28.

503,946. SHOWER AND WINDOW CURTAINS. BARTMANN & BIXER, INC., New York, N. Y.
Filed October 17, 1947. Serial No. 538,087. PUBLISHED AUGUST 10, 1948. Class 42.

503,947. TEXTILE FABRICS IN PIECE MADE OF WOOL, COTTON, SILK, RAYON AND MIXTURES THEREOF. CHARLES BERNSTEIN & SON, doing business as Bernside Mills, New York, N. Y.
Filed October 17, 1947. Serial No. 538,090. PUBLISHED AUGUST 17, 1948. Class 42.

503,948. TOWELS. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa.
Filed October 17, 1947. Serial No. 538,092. PUBLISHED AUGUST 10, 1948. Class 42.

503,949. ELECTRIC LIGHTING EQUIPMENT—NAMELY, REFLECTORS, FLOOD LIGHTS, AND SPOT LIGHTS. BRIGHT LIGHT REFLECTOR CO., INC., Bridgeport, Conn.
Filed October 17, 1947. Serial No. 538,093. PUBLISHED AUGUST 10, 1948. Class 21.

503,950. PERFUME, TOILET WATER, TALCUM POWDER, FACE POWDER, DUSTING POWDER. COTY, INC., New York, N. Y.
Filed October 17, 1947. Serial No. 538,100. PUBLISHED AUGUST 10, 1948. Class 6.

503,951. PERFUME, TOILET WATER, TALCUM POWDER, FACE POWDER, DUSTING POWDER. COTY, INC., New York, N. Y.
Filed October 17, 1947. Serial No. 538,101. PUBLISHED AUGUST 10, 1948. Class 6.

503,952. SOAP POWDER, SOAP GRAINS, SOAP FLAKES, HAND SOAP AND HOUSEHOLD CLEANSER. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed October 17, 1947. Serial No. 538,127. PUBLISHED AUGUST 17, 1948. Class 4.

503,953. ELECTRICAL APPARATUS FOR THE MEASUREMENT AND CONTROL OF HIGH FREQUENCY ELECTRIC WAVES. POLYTECHNIC RESEARCH AND DEVELOPMENT COMPANY INCORPORATED, Brooklyn, N. Y.
Filed October 17, 1947. Serial No. 538,173. PUBLISHED AUGUST 24, 1948. Class 26.

503,954. PHOTOGRAPHIC CAMERAS AND FLASH UNITS FOR CAMERAS. FEDERAL MANUFACTURING & ENGINEERING CORP., Brooklyn, N. Y.
Filed October 18, 1947. Serial No. 538,263. PUBLISHED AUGUST 24, 1948. Class 26.

503,955. BRUSHES FOR CLEANING FALSE TEETH. WERNET DENTAL MFG. CO., INC., Jersey City, N. J.
Filed October 25, 1947. Serial No. 539,109. PUBLISHED JULY 20, 1948. Class 29.

503,956. SINK MOP FOR CLEANING BOTTLES, DISHES, AND KINDRED USES. KIPPY KIT COMPANY, Circleville, Ohio.
Filed October 27, 1947. Serial No. 539,175. PUBLISHED AUGUST 3, 1948. Class 29.

503,957. OIL LAMPS. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa.
Filed October 27, 1947. Serial No. 539,230. PUBLISHED JUNE 29, 1948. Class 34.

503,958. FLOOR TRUCKS, FLOOR TRAILERS, CASTERS AND WHEELS THEREFOR. THOMAS TRUCK & CASTER CO., Keokuk, Iowa.
Filed October 27, 1947. Serial No. 539,239. PUBLISHED AUGUST 3, 1948. Class 19.

503,959. ELECTRIC HEATERS—NAMELY, INDIVIDUAL SPACE HEATERS AND WATER HEATERS OF THE TANK TYPE AND IMMERSION TYPE. WESIX ELECTRIC HEATER CO., San Francisco, Calif.
Filed October 27, 1947. Serial No. 539,246. PUBLISHED JULY 27, 1948. Class 21.

503,960. GAUGES FOR MEASURING AND RECORDING VACUUM PRESSURE. F. J. STOKES MACHINE COMPANY, Philadelphia, Pa.
Filed October 29, 1947. Serial No. 539,452. PUBLISHED AUGUST 17, 1948. Class 26.

503,961. ELECTRIC MOTORS. UNIVERSAL ELECTRIC CORPORATION, Owosso, Mich.
Filed October 30, 1947. Serial No. 539,581. PUBLISHED JULY 27, 1948. Class 21.

503,962. ASH TRAYS, CIGARETTE RECEPTACLES MADE OF PLASTIC. CECIL SPITZEL, New York, N. Y.
Filed November 7, 1947. Serial No. 540,477. PUBLISHED AUGUST 17, 1948. Class 8.

503,963. BOATS—NAMELY, INBOARD AND OUTBOARD MOTOR BOATS, ROW BOATS, DUCK BOATS, AND CANOES. THE PAUL BUNYAN BAIT COMPANY, Minneapolis, Minn.
Filed November 8, 1947. Serial No. 540,515. PUBLISHED AUGUST 17, 1948. Class 19.

503,964. RULES AND RULERS. NORTHEASTERN PLASTICS, INC., Boston, Mass.
Filed November 8, 1947. Serial No. 540,555. PUBLISHED AUGUST 24, 1948. Class 26.

503,965. WATCHES AND WATCH MOVEMENTS. LEWIS AND LEWIS, New York, N. Y.
Filed November 10, 1947. Serial No. 540,686. PUBLISHED AUGUST 10, 1948. Class 27.

503,966. AUTOMOTIVE TRAILER HOUSE COACHES. SPARTAN AIRCRAFT COMPANY, Wilmington, Del., and Tulsa, Okla.
Filed November 10, 1947. Serial No. 540,726. PUBLISHED AUGUST 3, 1948. Class 19.

503,967. VEHICLE HEATERS. E. A. LABORATORIES, INC., Brooklyn, N. Y.
Filed November 14, 1947. Serial No. 541,113. PUBLISHED AUGUST 17, 1948. Class 19.

503,968. MAGAZINE DEVOTED TO THE BUSINESS OF ELECTRICAL GOODS MANUFACTURERS. THE GAGE PUBLISHING COMPANY, New York, N. Y.
Filed November 12, 1947. Serial No. 541,251. PUBLISHED AUGUST 10, 1948. Class 38.

503,969. MAGAZINE FEATURE. MACFADDEN PUBLICATIONS, INC., New York, N. Y.
Filed November 15, 1947. Serial No. 541,313. PUBLISHED AUGUST 17, 1948. Class 38.

503,970. MAGAZINE. THE SATURDAY REVIEW ASSOCIATES, INC., New York, N. Y.
Filed August 22, 1947. Serial No. 541,730. PUBLISHED AUGUST 24, 1948. Class 38.

503,971. ELECTRIC LAMPS. MINUET LAMP INDUSTRIES, INC., Chicago, Ill.
Filed November 28, 1947. Serial No. 542,628. PUBLISHED JULY 27, 1948. Class 21.

503,972. COVERS FOR AUTOMOBILE SEATS. BURTON J. LEMBERG, doing business as The Seat Cover King, Detroit, Mich.
Filed November 29, 1947. Serial No. 542,773. PUBLISHED AUGUST 3, 1948. Class 19.

503,973. ALL-PURPOSE CLEANING COMPOUND. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed December 3, 1947. Serial No. 543,053. PUBLISHED AUGUST 17, 1948. Class 4.

503,974. LIQUID AND POWDERED CLEANING COMPOUNDS FOR GENERAL USE WITH WATER. O. W. MEEKER, doing business as Industrial Chemical Cleaner Co., Houston, Tex.
Filed December 8, 1947. Serial No. 543,728. PUBLISHED AUGUST 17, 1948. Class 4.

503,975. SPUN RAYON FABRIC IN THE PIECE. BRENNER FABRICS, INC., New York, N. Y.
Filed December 10, 1947. Serial No. 543,879. PUBLISHED AUGUST 3, 1948. Class 42.

503,976. PIECE GOODS OF COTTON. DAN RIVER MILLS, INCORPORATED, Danville, Va.
Filed December 11, 1947. Serial No. 544,059. PUBLISHED AUGUST 3, 1948. Class 42.

503,977. PIECE GOODS OF COTTON. DAN RIVER MILLS, INCORPORATED, Danville, Va.
Filed December 11, 1947. Serial No. 544,060. PUBLISHED AUGUST 10, 1948. Class 42.

503,978. SHEETS, SHEETINGS, AND PILLOW CASES. DAN RIVER MILLS, INCORPORATED, Danville, Va.
Filed December 11, 1947. Serial No. 544,061. PUBLISHED AUGUST 10, 1948. Class 42.

503,979. GREETING CARDS. THE GIBSON ART COMPANY, Cincinnati, Ohio.
Filed December 11, 1947. Serial No. 544,074. PUBLISHED AUGUST 10, 1948. Class 38.

503,980. WATERPROOF DUCKS AND COTTON PIECE GOODS. MT. VERNON-WOODBERRY MILLS, INC., Baltimore, Md.
Filed December 12, 1947. Serial No. 544,179. PUBLISHED AUGUST 10, 1948. Class 42.

503,981. RAYON, COTTON, AND COMBINED RAYON AND COTTON PIECE GOODS. ROCKVILLE FABRICS CORPORATION, New York, N. Y.
Filed December 12, 1947. Serial No. 544,199. PUBLISHED AUGUST 3, 1948. Class 42.

503,982. WATCHES, PARTS OF WATCHES, AND CASINGS. BEGUELIN & CO. S. A., MANUFACTURE DES MONTRES "DAMAS" ET "TRAMELAN WATCH CO.," Tramelan-Dessus, Switzerland.
Filed December 13, 1947. Serial No. 544,247. PUBLISHED AUGUST 17, 1948. Class 27.

503,983. AUTOMOBILE SEAT COVERS. GLOSTEX PRODUCTS, INC., doing business as Gay-Lark Products, Chicago, Ill.
Filed December 16, 1947. Serial No. 544,442. PUBLISHED AUGUST 3, 1948. Class 19.

503,984. RAYON PIECE GOODS. SAUL B. LIBERMAN, New York, N. Y.
Filed December 20, 1947. Serial No. 545,007. PUBLISHED AUGUST 10, 1948. Class 42.

503,985. WOOLEN PIECE GOODS. STRONG HEWAT & CO., INC., New York, N. Y.
Filed December 23, 1947. Serial No. 545,305. PUBLISHED AUGUST 3, 1948. Class 42.

503,986. WOOLEN PIECE GOODS. STRONG HEWAT & CO., INC., New York, N. Y.
Filed December 23, 1947. Serial No. 545,307. PUBLISHED AUGUST 3, 1948. Class 42.

503,987. COTTON AND WOOLEN PIECE GOODS. STRONG HEWAT & CO., INC., New York, N. Y.
Filed December 23, 1947. Serial No. 545,308. PUBLISHED AUGUST 3, 1948. Class 42.

503,988. WOOLEN PIECE GOODS. STRONG HEWAT & CO., INC., New York, N. Y.
Filed December 23, 1947. Serial No. 545,311. PUBLISHED AUGUST 3, 1948. Class 42.

503,989. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, WOOL, WORSTED, AND COMBINATIONS THEREOF. SHIRLEY FABRICS CORP., New York, N. Y.
Filed December 24, 1947. Serial No. 545,390. PUBLISHED AUGUST 10, 1948. Class 42.

503,990. CURTAINS, DRAPERIES, TABLECLOTHS, AND TABLECLOTH COVERS MADE OF PLASTIC FILM. A. L. SIEGEL CO., INC., New York, N. Y.
Filed December 24, 1947. Serial No. 545,397. PUBLISHED AUGUST 10, 1948. Class 42.

503,991. PRINTING INKS AND PRINTING INK VARNISHES. CHARLES E. SALMON, INC., Detroit, Mich.
Filed December 26, 1947. Serial No. 545,538. PUBLISHED AUGUST 17, 1948. Class 11.

503,992. CARBON PAPER AND INKED RIBBONS. UNDERWOOD CORPORATION, New York, N. Y.
Filed December 26, 1947. Serial No. 545,564. PUBLISHED AUGUST 17, 1848. Class 11.

503,993. SHEETS AND PILLOW CASES. L. BAMBERGER & CO., Newark, N. J.
Filed December 30, 1947. Serial No. 545,685. PUBLISHED AUGUST 10, 1948. Class 42.

503,994. WOOLEN FABRICS IN THE PIECE. BOTANY MILLS, INC., Passaic, N. J.
Filed December 30, 1947. Serial No. 545,688. PUBLISHED AUGUST 10, 1948. Class 42.

503,995. WOOLEN FABRICS IN THE PIECE. BOTANY MILLS, INC., Passaic, N. J.
Filed December 30, 1947. Serial No. 545,689. PUBLISHED AUGUST 10, 1948. Class 42.

503,996. WOOLEN FABRICS IN THE PIECE. BOTANY MILLS, INC., Passaic, N. J.
Filed December 30, 1947. Serial No. 545,693. PUBLISHED AUGUST 10, 1948. Class 42.

503,997. WOOLEN FABRICS IN THE PIECE. BOTANY MILLS, INC., Passaic, N. J.
Filed December 30, 1947. Serial No. 545,695. PUBLISHED AUGUST 10, 1948. Class 42.

503,998. WOOLEN FABRICS IN THE PIECE. BOTANY MILLS, INC., Passaic, N. J.
Filed December 30, 1947. Serial No. 545,696. PUBLISHED AUGUST 10, 1948. Class 42.

503,999. WOOLEN FABRICS IN THE PIECE. BOTANY MILLS, INC., Passaic, N. J.
Filed December 30, 1947. Serial No. 545,697. PUBLISHED AUGUST 10, 1948. Class 42.

504,000. FABRICS IN THE PIECE MADE OF RAYON. PONDEL FABRICS, INC., Pawtucket, R. I., assignor to Charles W. Carvin Co., Inc., New York, N. Y., a corporation of New York.
Filed January 10, 1948. Serial No. 546,729. PUBLISHED AUGUST 24, 1948. Class 42.

504,001. SHOE POLISHES, SHOE BLACKINGS, SHOE CLEANSERS, LEATHER DRESSINGS, AND LEATHER PRESERVATIVES. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed January 13, 1948. Serial No. 546,847. PUBLISHED AUGUST 17, 1948. Class 4.

504,002. CAPSULES FOR THE TREATMENT AND ALLEVIATION OF LIVER AND GALL BLADDER TROUBLES. MARIE ANNA WHARAM, doing business as The Red Caps Capsule Company, Detroit, Mich.
Filed January 14, 1948. Serial No. 547,079. PUBLISHED AUGUST 17, 1948. Class 6.

504,003. MAGAZINE COLUMN, THE NEW YORKER MAGAZINE, INC., New York, N. Y.
Filed January 16, 1948. Serial No. 547,269. PUBLISHED AUGUST 17, 1948. Class 38.

504,004. PLUMBING AND HEATING PERIODICAL. DOMESTIC ENGINEERING COMPANY, Chicago, Ill.
Filed January 19, 1948. Serial No. 547,435. PUBLISHED AUGUST 17, 1948. Class 38.

504,005. MAGAZINE SECTION OR DEPARTMENT. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed January 30, 1948. Serial No. 548,354. PUBLISHED AUGUST 17, 1948. Class 38.

504,006. MAGAZINE PUBLISHED TWENTY TIMES YEARLY. THE CONDE NAST PUBLICATIONS INC., New York, N. Y.
Filed January 31, 1948. Serial No. 548,484. PUBLISHED AUGUST 17, 1948. Class 38.

504,007. SECTION IN A PERIODICAL. SYNDICATE STORE MERCHANDISER, INC., New York, N. Y.
Filed February 6, 1948. Serial No. 549,029. PUBLISHED AUGUST 24, 1948. Class 38.

504,008. A PERIODICAL PUBLISHED MONTHLY. EDUCATIONAL PUBLISHING CORPORATION, Boston, Mass.
Filed February 7, 1948. Serial No. 549,062. PUBLISHED AUGUST 17, 1948. Class 38.

504,009. HAND MADE AND REPRODUCED DRAWINGS AND PAINTINGS. VINCENT MAURATH, doing business as Associated Art Service, New York, N. Y.
Filed February 12, 1948. Serial No. 549,557. PUBLISHED AUGUST 24, 1948. Class 38.

504,010. PREPARATION INTENDED TO BE TAKEN INTERNALLY FOR RELIEF OF COUGHS AND MINOR THROAT IRRITATIONS DUE TO COLDS. THE REESE CHEMICAL COMPANY, Cleveland, Ohio.
Filed February 17, 1948. Serial No. 549,967. PUBLISHED AUGUST 17, 1948. Class 6.

504,011. MAGAZINE. IDEAL PUBLISHING CORP., New York, N. Y.
Filed February 18, 1948. Serial No. 550,046. PUBLISHED AUGUST 17, 1948. Class 38.

504,012. LIQUID REMEDY FOR DYSPEPSIA. ELIZABETH H. TONGE, doing business as Alber Remedy Co., Belvidere, N. J.
Filed February 18, 1948. Serial No. 550,104. PUBLISHED AUGUST 17, 1948. Class 6.

504,013. TOOTH PASTE. ZONITE PRODUCTS CORPORATION, New Brunswick, N. J., and New York, N. Y.
Filed February 21, 1948. Serial No. 550,373. PUBLISHED AUGUST 17, 1948. Class 6.

504,014. A NEWSPAPER. DAILY REVIEW CORPORATION, Rockville Center, N. Y.
Filed February 25, 1948. Serial No. 550,490. PUBLISHED AUGUST 10, 1948. Class 38.

504,015. MEDICINAL SOAPS, SOME OF WHICH ARE USED ALSO AS TOILET SOAPS. STIEFEL MEDICINAL SOAP COMPANY, INC., Preston Hollow, N. Y.
Filed February 26, 1948. Serial No. 550,631. PUBLISHED AUGUST 17, 1948. Class 4.

504,016. DETERGENT, AND A WETTING AGENT, TO BE DISSOLVED IN WATER TO PROVIDE A SOLUTION FOR USE IN WASHING OR CLEANING AUTOMOBILE BODIES AND THE LIKE, METAL OBJECTS, TEXTILES, LEATHER, WOOL, AND THE LIKE. OIL-DRI CORPORATION OF AMERICA, Chicago, Ill.
Filed March 17, 1948. Serial No. 552,161. PUBLISHED AUGUST 17, 1948. Class 4.

504,017. PRINTED PUBLICATIONS DISTRIBUTED PERIODICALLY. L. MCGREGOR DEMAREST, New York, N. Y.
Filed March 30, 1948. Serial No. 553,347. PUBLISHED AUGUST 17, 1948. Class 38.

Collective Marks

504,018. PHOTOGRAPHS. THE PHOTOGRAPHERS' ASSOCIATION OF AMERICA, Cleveland, Ohio.
Filed August 20, 1947. Serial No. 531,943. PUBLISHED AUGUST 24, 1948. Class 38.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

504,019. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES L. BROWN, doing business as Jim Brown's Toy Company, Akron, Ohio. Filed Oct. 22, 1947. Serial No. 503,420.

SPEED WHEEL

FOR TOY WHEELS AND WHEEL ASSEMBLIES.
Claims use since Nov. 6, 1945.

504,020. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) THE ONEIDA BLEACHERY, INC., New York Mills, N. Y. Filed May 11, 1948. Serial No. 505,312.

COLOR-TONE

FOR SHEETS AND PILLOW CASES.
Claims use since Aug. 30, 1940.

504,021. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN B. HOLLIFIELD, Burlington, N. C. Filed Nov. 12, 1947. Serial No. 508,379.

Burlington
Oil Co.

FOR CHEMICAL COMPOUND FOR THE REMOVAL OF SLUDGE AND OTHER IMPURITIES FROM LUBRICATING OILS.
Claims use since Aug. 15, 1945.

504,022. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) HAMILTON ART METAL CORPORATION, New York, N. Y. Filed Apr. 21, 1948. Serial No. 510,951.

HAMILTON

FOR FLASHLIGHTS.
Claims use since Oct. 4, 1946.

504,023. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) WM. J. MURDOCK CO., Chelsea, Mass. Filed Apr. 23, 1948. Serial No. 513,268.

TONE-RIGHT

FOR ELECTRIC BUZZERS.
Claims use since Jan. 1946.

504,024. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) BENDIX AVIATION CORPORATION, Detroit, Mich. Filed May 28, 1948. Serial No. 515,153.

FLIGHTPHONE

FOR RADIO RECEIVING AND TRANSMITTING APPARATUS.
Claims use since July 26, 1946.

504,025. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HILTON WATCH CO., INC., New York, N. Y. Filed May 28, 1948. Serial No. 515,879.

HILTON

FOR WATCHES.
Claims use since Nov. 20, 1946.

504,026. (CLASS 19. VEHICLES.) HILLMAN MOTOR CAR COMPANY LIMITED, Coventry, England. Filed Nov. 28, 1947. Serial No. 516,840.

HILLMAN

Applicant claims ownership of British registration B420,890.
FOR AUTOMOBILES.

504,027. (CLASS 19. VEHICLES.) HILLMAN MOTOR CAR COMPANY LIMITED, Coventry, England. Filed Nov. 28, 1947. Serial No. 516,841.

MINX

Applicant claims ownership of English registration No. 512,596, dated May 2, 1930.
FOR AUTOMOBILES.

504,028. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MOTION PICTURE EXPORT ASSOCIATION, INC., New York, N. Y. Filed Mar. 11, 1948. Serial No. 518,418.

MOTION PICTURE EXPORT ASSOCIATION Inc. mpea

FOR MOTION PICTURES AND MOTION PICTURE FILMS WHICH HAVE RECORDS OF SOUND, WORDS, AND/OR MUSIC THEREON, AND MOTION PICTURE FILMS ADAPTED FOR SYNCHRONIZATION WITH SOUND, WORD, AND/OR MUSIC RECORDS.
Claims use since Oct. 1, 1946.

504,029. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) JESS MCNEEL, San Antonio, Tex. Filed Apr. 28, 1948. Serial No. 518,548.

Zebu·Tex

FOR ZEBU (BRAHMAN) CATTLE.
Claims use since July 1, 1946.

504,030. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) CORTLEY CURTAIN CORP., New York, N. Y. Filed May 3, 1948. Serial No. 518,755.

Colortone

FOR WINDOW CURTAINS.
Claims use since Mar. 3, 1947.

504,031. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) CORTLEY CURTAIN CORP., New York, N. Y. Filed May 3, 1948. Serial No. 518,756.

Ruffletone

FOR WINDOW CURTAINS.
Claims use since Mar. 3, 1947.

504,032. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE BON AMI COMPANY, New York, N. Y. Filed Mar. 6, 1948. Serial No. 519,168.



FOR CLEANING POWDER FOR GENERAL HOUSEHOLD USE.
Claims use since Jan. 23, 1947.

504,033. (CLASS 38. PRINTS AND PUBLICATIONS.) GORRELL PUBLICATIONS, INC., Washington, D. C. Filed May 21, 1948. Serial No. 519,749.

VETERANS REPORT

FOR PUBLICATION ISSUED BI-WEEKLY CONTAINING NEWS OF INTEREST TO WAR VETERANS.
Claims use since Mar. 1, 1946.

504,034. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) NATIONAL-STANDARD COMPANY, Niles, Mich. Filed Apr. 28, 1948. Serial No. 520,829.



The mark comprises the words "Say It With Wire."
FOR SOUND RECORDING WIRE.
Claims use since Apr. 3, 1947.

504,035. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE LOBL MANUFACTURING COMPANY, Middleboro, Mass. Filed Feb. 5, 1948. Serial No. 521,740.

SELF-SEAL

FOR HOT WATER BOTTLES.
Claims use since November 1946.

504,036. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Filed July 5, 1947. Serial No. 527,171.

CABLE-LOC FASTENER

FOR RESILIENT BAND TYPE AND CLIP TYPE SUPPORTING FASTENERS, PARTICULARLY FOR HOLDING CONDUITS, WIRES, RODS, PIPES AND THE LIKE, VARIOUSLY APPLIED TO ARTICLES OF MANUFACTURE IN THE INDUSTRIAL ARTS.
Claims use since Nov. 15, 1944.

504,037. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AVON PRODUCTS, INC., New York, N. Y. Filed July 8, 1948. Serial No. 531,186.

LASTICOTE

FOR BASE COAT FOR NAIL POLISH.
Claims use since July 1, 1947.

504,038. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE KELLY-SPRINGFIELD TIRE COMPANY, Cumberland, Md. Filed Aug. 24, 1948. Serial No. 532,604.

SAFE TRAC

FOR TIRES AND INNER TUBES THEREFOR.
Claims use since 1941.

504,039. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE KELLY-SPRINGFIELD TIRE COMPANY, Cumberland, Md. Filed Aug. 24, 1948. Serial No. 532,613.

KANT-SLIP

FOR TIRES AND INNER TUBES THEREFOR.
Claims use since 1917.

504,040. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Aug. 27, 1948. Serial No. 532,697.

NIAGARA

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since Aug. 7, 1947.

504,041. (CLASS 17. TOBACCO PRODUCTS.) JOSE ESCALANTE & CO., Chicago, Ill. Filed Aug. 6, 1948. Serial No. 533,241.

LITTLE ROTHENBERG



The portrait forming a part of the mark is merely fanciful.
FOR CIGARS.
Claims use since Jan. 5, 1905.

504,042. (CLASS 19. VEHICLES.) THE FAIRBANKS COMPANY, New York, N. Y. Filed Sept. 10, 1947. Serial No. 534,008.

American industry rolls on
fairbanks trucks

Applicant claims ownership of registration No. 96,506.
FOR HAND TRUCKS.
Claims use since Feb. 17, 1945.

504,043. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HAROLD J. SEARER, doing business as Searer Rubber Company, Akron, Ohio. Filed July 31, 1948. Serial No. 534,059.

STEADIFEED
THE NIPPLE
THAT
"BREATHES"

FOR NURSING NIPPLES.
Claims use since June 19, 1947.

504,044. (CLASS 19. VEHICLES.) NORTHROP AIRCRAFT, INC., Hawthorne, Calif. Filed Aug. 5, 1948. Serial No. 537,609.

NORTHROP

FOR AIRPLANES, AIRFRAMES, AND AIRFRAME PARTS.
Claims use since September 1939.

504,045. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) METALLO GASKET CO., New Brunswick, N. J. Filed Sept. 3, 1948. Serial No. 540,692.



Applicant claims ownership of registration No. 171,916.
FOR METALLIC GASKETS AND METALLIC PACKING.
Claims use since May 20, 1919.

504,046. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Aug. 5, 1948. Serial No. 541,074.

BURLINGTON

Applicant claims ownership of registration No. 49,211.
FOR PIECE GOODS OF WOOL, COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF, BEDSPREADS, DRAPERIES, TABLECLOTHS, AND NAPKINS.
Claims use since July 1, 1947.

504,047. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. CLAY GLOVER CO., INC., New York, N. Y. Filed Mar. 31, 1948. Serial No. 553,488.

SPRA-TAN

FOR LOTION TO BE USED ON THE SKIN.
Claims use since Jan. 18, 1946.

504,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COOK CHEMICAL COMPANY, Kansas City, Mo. Filed Apr. 19, 1948. Serial No. 554,952.

COOK-KILL

FOR INSECTICIDES.
Claims use since Mar. 30, 1947.

TRADE-MARK REGISTRATIONS RENEWED

62,200. "SUPREME MANDARINE" ETC. AND DRAWING. Registered Apr. 23, 1907. Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie, Paris, France, a corporation organized under the laws of the Republic of France. Re-renewed Apr. 23, 1947 (as provided by P. L. 517, July 17, 1946). CORDIAL. Class 49.

62,371. "GRANDE DISTILLERIE" ETC. AND DESIGN. Registered Apr. 30, 1907. Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie, Paris, France, a corporation organized under the laws of the Republic of France. Re-renewed Apr. 30, 1947 (as provided by P. L. 517, July 17, 1946). CORDIALS. Class 49.

69,567. SPIRETS. Registered June 23, 1908. Sharp & Dohme, Baltimore, Md. Re-renewed June 23, 1948, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. INHALANTS PUT UP IN CAPSULES. Class 6.

69,772. ORCHARD BRAND. Registered July 7, 1908. Griffith-Durney Company, San Francisco, Calif. Re-renewed July 7, 1948, to Griffith-Durney Company, Los Angeles, Calif., a corporation of California. CANNED FRUITS AND VEGETABLES. Class 46.

70,459. BELMONT. Registered Sept. 1, 1908. James Bellak's Sons, Philadelphia, Pa. Re-renewed Sept. 1, 1948, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois. PIANOS, PLAYER-PIANOS, CABINET PIANO-PLAYERS, PLAYER-PIANO ACTIONS, PIPE-ORGANS, ETC. Class 36.

70,536. "KEISER" AND DESIGN. Registered Sept. 8, 1908. James R. Keiser, Incorporated.. Re-renewed Sept. 8, 1948, to John J. Dahne, New York, N. Y. MEN'S MUFFLERS, NECKTIES, AND EVENING DRESS PROTECTORS, AND WOMEN'S BOWS, TIES, STOCKS, ETC. Classes 39 and 40.

70,733. PRIDE OF THE MOUNTAINS. Registered Sept. 29, 1908. The Longmont Farmers Milling & Elevator Company, Longmont, Colo. Re-renewed Sept. 29, 1948, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. WHEAT-FLOUR. Class 46.

70,734. MILE HIGH. Registered Sept. 29, 1908. The Longmont Farmers Milling & Elevator Company, Longmont, Colo. Re-renewed Sept. 29, 1948, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. WHEAT-FLOUR. Class 46.

70,797. PRIDE OF LONGMONT. Registered Oct. 6, 1908. The Longmont Farmers Milling & Elevator Company. Longmont, Colo. Re-renewed Oct. 6, 1948, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. WHEAT-FLOUR. Class 46.

70,808. ALVA. Registered Oct. 6, 1908. Crucible Steel Company of America, Pittsburgh, Pa. Re-renewed Oct. 6, 1948, to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey. STEEL BARS, RODS, BILLETS, BLOOMS, SHEETS, PLATES, SLABS, STRIPS, BLOCKS AND FORGINGS. Class 14.

70,958. KEYSTONE DESIGN. Registered Oct. 20, 1908. Keystone Grape Company. Re-renewed Oct. 20, 1948, to The Keystone Cooperative Grape Association, North East, Pa., a corporation of Pennsylvania. BASKETS AND PACKAGES OF GRAPES. Class 46.

71,289. "POPLAR" AND REPRESENTATION OF THREE POPLAR TREES IN CIRCULAR DESIGN. Registered Nov. 17, 1908. Dodge City Milling & Elevator Company, Dodge City, Kans. Re-renewed Nov. 17, 1948, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. WHEAT-FLOUR. Class 46.

71,550. OSWEGO. Registered Dec. 1, 1908. National Starch Co., Jersey City, N. J., and Oswego, N. Y. Re-renewed Dec. 1, 1948, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. CORN STARCH. Class 46.

71,634. "DIAMOND" ENCLOSED BY DIAMOND-SHAPED DESIGN. Registered Dec. 8, 1908. Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Re-renewed Dec. 8, 1948, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. GLUTEN FEED. Class 46.

71,656. "GLOBE" AND REPRESENTATION OF GLOBE. Registered Dec. 8, 1908. Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Re-renewed Dec. 8, 1948, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. DEXTRINS. Class 5.

71,934. "GENASCO" ETC. AND REPRESENTATION OF NORTH AND SOUTH AMERICA ENCLOSED BY CIRCULAR OUTLINE. Registered Dec. 22, 1908. The Barber Asphalt Paving Company, Philadelphia, Pa. Re-renewed Dec. 22, 1948, to Barber Oil Corporation, New York, N. Y., a corporation of Delaware. BITUMINOUS ROOFING, ROOFING-FELT, BITUMINOUS ROOFING-CEMENT, WATERPROOFING-FELT, ETC. Class 12.

72,178. BIG BEN. Registered Jan. 5, 1909. The Western Clock Mfg. Co., La Salle, Ill. Re-renewed Jan. 5, 1949, to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware. CLOCKS AND WATCHES. Class 27.

72,345. TOWER-PROOF. Registered Jan. 19, 1909. A. J. Tower Company, Portland, Maine, and Boston, Mass. Re-renewed Jan. 19, 1949, to A. J. Tower Company, Boston, Mass., a corporation of Massachusetts. WATERPROOF TEXTILE OILED FABRICS. Class 42.

241,737. AMERICAN BOY. Registered May 8, 1928. American Standard Watch Case Company, Inc., Providence, R. I., and New York, N. Y. Renewed May 8, 1948, to Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. WRIST OR STRAP WATCHES. Class 27.

243,680. "AIRWAY BLEND" ETC. AND REPRESENTATION OF AIRPLANES FLYING ABOVE DESERT. Registered June 26, 1928. Western States Grocery Co. Renewed June 26, 1948, to Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland. COFFEE. Class 46.

244,837. ROXY. Registered July 31, 1928. Royal Importing Co., New York, N. Y., a firm. Renewed July 31, 1948. CHEESE. Class 46.

245,031. JACK FROST. Registered Aug. 7, 1928. Nourse Oil Company, Kansas City, Kans., a corporation of Missouri. Renewed Aug. 7, 1948. NON-FREEZING FLUID FOR AUTOMOBILE RADIATORS. Class 6.

246,156. WHITE CLOUD. Registered Sept. 4, 1928. The International Bedding Company, Baltimore, Md., a corporation of Maryland. Renewed Sept. 4, 1948. MATTRESSES, BED SPRINGS, AND INNER-SPRING MATTRESSES. Class 32.

246,300. "SILVERLEAF" ETC. AND CARTON DESIGN LINED FOR BLUE AND RED. Registered Sept. 4, 1928. Swift & Company, Chicago, Ill., a corporation of Illinois. Renewed Sept. 4, 1948. LARD. Class 46.

246,510. "GLADIATOR" AND DRAWING. Registered Sept. 11, 1928. National Bellas Hess Co. Inc., New York, N. Y. Renewed Sept. 11, 1948, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. WORK SHIRTS, WORK PANTS, OVERALLS, WORK JACKETS, AND SHOES OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF. Class 39.

246,706. JUNIOR JOHNSONS. Registered Sept. 11, 1928. Nestor Johnson Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed Sept. 11, 1948. ICE SKATES. Class 22.

246,722. SUNARC. Registered Sept. 11, 1928. Sanitarium Equipment Company. Renewed Sept. 11, 1948, to Battle Creek Equipment Company, Battle Creek, Mich., a firm. THERAPEUTIC LAMPS. Class 44.

246,768. BLOOM. Registered Sept. 11, 1928. Swift and Company. Renewed Sept. 11, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

246,846. "RUBIE" ETC. AND REPRESENTATION OF ENVELOPE LINED FOR RED, BLUE, AND ORANGE. Registered Sept. 18, 1928. Rubie Blade Corporation, New York, N. Y. Renewed Sept. 18, 1948, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. RAZOR BLADES. Class 23.

246,920. EQUALITY. Registered Sept. 18, 1928. Rocky Hill Corporation. Renewed Sept. 18, 1948, to Rocky Hill Ranches, Exeter, Calif., a corporation of California. FRESH DECIDUOUS FRUITS. Class 46.

246,922. WHIPPIT. Registered Sept. 18, 1928. White and Hallock, Inc., Muskegon, Mich. Renewed Sept. 18, 1948, to Ekco Products Company, Chicago, Ill., a corporation of Illinois. BEATERS FOR CULINARY PURPOSES INCLUDING EGG BEATERS AND CREAM WHIPS. Class 23.

246,945. "BLUE JAY" AND REPRESENTATION OF BIRD AND BACKGROUND DESIGN. Registered Sept. 18, 1928. Blackwell-Wielandy Company, St. Louis, Mo., a corporation of Missouri. Renewed Sept. 18, 1948. PENCIL AND INK TABLETS, NOTEBOOKS, COMPOSITION BOOKS, DRAWING PAPER AND TABLETS, ETC. Class 37.

247,115. "PATSY'S" ETC. Registered Sept. 18, 1928. Patsy's Candies, Inc., Colorado Springs, Colo., a corporation of Colorado. Renewed Sept 18, 1948. CANDY, CANDIED POP CORN, BUTTERED POP CORN, SALTED PEANUTS, AND SALT-WATER TAFFY. Class 46.

247,181. SOLARC. Registered Sept. 25, 1928. Sanitarium Equipment Company. Renewed Sept. 25, 1948, to Battle Creek Equipment Company, Battle Creek, Mich., a firm. THERAPEUTIC LAMPS. Class 44.

247,209. HIGH SPEED. Registered Sept. 25, 1928. The Grasselli Chemical Company, Cleveland, Ohio. Renewed Sept. 25, 1948, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. TINNING FLUXES. Class 6.

247,513. PYRAMINAL. Registered Sept. 25, 1928. H. A. Metz Laboratories, Inc. Renewed Sept. 25, 1948, to Winthrop-Stearns Inc., New York, N. Y. a corporation of Delaware. ANALGESIC SEDATIVE AND HYPNOTIC. Class 6.

247,766. SOLIPAK. Registered Oct. 2, 1928. Filice & Perrelli Canning Company, Inc., Gilroy, Calif. Renewed Oct. 2, 1948, to Filice & Perrelli Canning Company, Inc., Richmond, Calif, a corporation of California. CANNED FRUITS, CANNED VEGETABLES. Class 46.

248,168. GALLOWAY. Registered Oct. 16, 1928. Galloway Coal Company, Memphis, Tenn. Renewed Oct. 16, 1948, Galloway Coal Mining Company, Inc., Carbon Hill, Ala., a corporation of Alabama. COAL. Class 1.

248,415. OSCILLO-MANIPULATOR. Registered Oct. 23, 1928. Sanitarium Equipment Company. Renewed Oct. 23, 1948, to Battle Creek Equipment Company, Battle Creek, Mich., a firm. MASSAGING OR MECHANICAL EXERCISING MACHINES WHICH ARE PRIMARILY DESIGNED FOR USE IN SANITARIUMS, TREATMENT PARLORS, OR INSTITUTIONS AND THE LIKE. Class 44.

248,526. HEALTH BUILDER. Registered Oct. 23, 1928. Sanitarium Equipment Company. Renewed Oct. 23, 1948, to Battle Creek Equipment Company, Battle Creek, Mich., a firm. EXERCISING MACHINES WHICH ARE PRIMARILY DESIGNED FOR USE IN SANITARIUMS, TREATMENT PARLORS, OR INSTITUTIONS AND THE LIKE AND FOR ELECTRIC BATH CABINETS. Class 44.

248,532. RALKS'. Registered Oct. 23, 1928. J. Sklar Manufacturing Co., New York, N. Y. Renewed Oct. 23, 1948, to J. Sklar Manufacturing Co., Long Island City, N. Y., a corporation of New York. SURGICAL AND DENTAL INSTRUMENTS—NAMELY, FORCEPS, PESSARIES, FINGERNAIL DRILLS, AND METALLIC NIPPLE SHIELDS. Class 44.

248,534. LA SUPREMA. Registered Oct. 23, 1928. Rocky Hill Corporation. Renewed Oct. 23, 1948, to Rocky Hill Ranches, Exeter, Calif., a corporation of California. FRESH CITRUS AND DECIDUOUS FRUITS. Class 46.

248,626. DETRITOR. Registered Oct. 23, 1928. The Dorr Company. Renewed Oct. 23, 1948, to The Dorr Company, New York, N. Y., a corporation of Delaware. APPARATUS FOR THE TREATMENT OF SOLIDS SUSPENDED IN LIQUIDS, AND MORE PARTICULARLY FOR THE CLASSIFICATION OF SUSPENDED SOLIDS AND THE REMOVAL OF SUCH SOLIDS, ETC. Class 23.

248,827. LADY LINDY. Registered Oct. 30, 1928. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Oct. 30, 1948. WATCHES AND WATCH MOVEMENTS. Class 27.

249,588. EXOTIQUE. Registered Nov. 20, 1928. Vanity Fair Silk Mills. Renewed Nov. 20, 1948, to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania. KNITTED AND TEXTILE UNDERWEAR FOR WOMEN—NAMELY, VESTS, BLOOMERS, KNICKERBOCKERS, ETC. Class 39.

249,625. ATHENON. Registered Nov. 20, 1928. Eastman Kodak Company. Renewed Nov. 20, 1948, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. PHOTOGRAPHIC DEVELOPERS. Class 6.

249,634. PROTECTA. Registered Nov. 20, 1928. Elizabeth Arden, Inc. Renewed Nov. 20, 1948, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. FACE CREAMS AND LOTIONS. Class 6.

250,317. LONSHEEN. Registered Dec. 4, 1928. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Renewed Dec. 4, 1948, to The May Department Stores Company, St. Louis, Mo., a corporation of New York. NEGLIGEE SHIRTS. Class 39.

250,422. PAROUBEK'S FOLDO. Registered Dec. 11, 1928. Blahouraf A. Paroubek, Plainfield, N. J. Renewed Dec. 11, 1948, to Amalie S. Paroubek, North Plainfield, N. J. FINGER BANDAGES. Class 44.

250,631. THE GLEANER BALDWIN. Registered Dec. 11, 1928. Gleaner Combine Harvester Corporation. Renewed Dec. 11, 1948, to Gleaner Harvester Corporation, Independence, Mo., a corporation of Delaware. COMBINED HARVESTER, THRESHER, AND SEPARATOR. Class 23.

250,640. "SUDANETTE" AND DESIGN. Registered Dec. 11, 1928. William W. Hobbs, doing business as The Sudanette Company, New Bedford, Mass. Renewed Dec. 11, 1948, to Cohn-Hall-Marx Co., New York, N. Y., a corporation of New York. SUDAN COTTON CLOTH IN THE PIECE. Class 42.

250,807. TRITON. Registered Dec. 18, 1928. Union Oil Company of California, Los Angeles, Calif., a corporation of California. Renewed Dec. 18, 1948. LUBRICATING OILS, WAXES, AND GREASES. Class 15.

251,134. "LONE STAR" AND REPRESENTATION OF STAR. Registered Jan. 1, 1929. Lone Star Bag & Bagging Company, Inc., Houston, Tex., a corporation of Texas. Renewed Jan. 1, 1949. BURLAP BAGS. Class 2.

251,181. CHECKED BAND DESIGN. Registered Jan. 1, 1929. Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri. Renewed Jan. 1, 1949. FURNITURE-CLEANING COMPOUND WITH INCIDENTAL POLISHING PROPERTIES. Class 4.

251,230. "GLASER'S GOOD GRIP" ETC. AND DESIGN. Registered Jan. 1, 1929. George Glaser, Scranton, Pa. Renewed Jan. 1, 1949. SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF THESE MATERIALS. Class 39.

251,270. FORMACID. Registered Jan. 1, 1929. Western Pharmacal Company. Renewed Jan. 1, 1949, to Western Pharmacal Company, Salt Lake City, Utah, a partnership. GRANULAR EFFERVESCENT URINARY ANTISEPTIC. Class 6.

251,623. "FOX MOVIETONEWS" ETC. AND DESIGN. Registered Jan. 8, 1929. Fox Case Corporation. Renewed Jan. 8, 1949, to Movietonews, Inc., New York, N. Y., a corporation of New York. MOTION PICTURES. Class 26.

252,077. CAR BAR. Registered Jan. 22, 1929. Bennett Pumps Corporation, Muskegon, Mich. Renewed Jan. 22, 1949, to John Wood Manufacturing Company, Inc., Muskegon Heights, Mich., and New York, N. Y., a corporation of Delaware. CANOPY STRUCTURE. Class 50.

252,647. "NORI" AND DESIGN. Registered Feb. 12, 1929. Antonino R. Martino, doing business as Italy Laboratories. Renewed Feb. 12, 1949, to Italy Laboratories, Inc., New York, N. Y., a corporation of New York. BLOOD AND NERVE TONIC. Class 6.

252,725. REPRESENTATION OF RAM'S HEAD AND SHIELD DESIGN. Registered Feb. 12, 1929. The Woolen Corporation of America, New York, N. Y., a corporation of New York. Renewed Feb. 12, 1949. WOOL, WORSTED, COTTON, SILK, RAYON, LINEN, AND/OR COMBINATIONS THEREOF IN THE PIECE. Class 42.

252,764. "FISCHER'S" AND DESIGN LINED FOR RED. Registered Feb. 12, 1929. Fischer Baking Company, Newark, N. J., a corporation of New Jersey. Renewed Feb. 12, 1949. CRULLERS, DOUGHNUTS, PIES, PASTRY, SWEETENED CRACKERS, AND COOKIES. Class 46.

252,893. "STRONGHOLD" ETC. AND DESIGN. Registered Feb. 19, 1929. J. E. Rhoads & Sons, Philadelphia, Pa., a firm. Renewed Feb. 19, 1949. LEATHER BELTING. Class 35.

252,908. "GOLDEN ARROW" AND REPRESENTATION OF ARROW LINED FOR GOLD. Registered Feb. 19, 1929. Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York. Renewed Feb. 19, 1949. COLLARS. Class 39.

253,462. "LILAS DE FRANCE" ETC. AND DESIGN. Registered Feb. 26, 1929. Pinaud, Incorporated. Renewed Feb. 26, 1949, to Ed. Pinaud, Inc., New York, N. Y., a corporation of New York. TOILET VINEGAR, SACHET, BRILLIANTINE, POMADE, AND QUADRUPLE ESSENCE OF ESSENTIAL OIL. Class 6.

253,864. "STONEWALL JACKSON" ETC. AND DESIGN. Registered Mar. 5, 1929. Jackson Shoe Manufacturing Corporation, New York, N. Y. Renewed Mar. 5, 1949, to H. Jacob & Sons, Inc., Hanover, Pa., a corporation of Pennsylvania. CHILDREN'S SHOES MADE OF LEATHER OR CANVAS OR COMBINATIONS THEREOF. Class 39.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

223,736. AUTOMATS. Registered Feb. 8, 1927. Armstrong Cork Company, Lancaster, Pa. COMPOSITION OF OXIDIZED LINSEED OIL ON AN ASPHALTUM IMPREGNATED FELT BASE. Class 20. The drawing is hereby amended to appear as follows:

AUTOMAT

322,443. COACH. Registered Mar. 5, 1935. Johnson & Johnson, New Brunswick, N. J. ATHLETIC SUPPORTERS. Class 44. The drawing is hereby amended to appear as follows:

COACH

501,558. BANCOTE FABRICS. Registered Aug. 17, 1948. Joseph Bancroft & Sons Company, Wilmington, Del. COTTON PIECE GOODS, PLASTIC-COATED FOR PATTERN OR SURFACE EFFECTS. Class 42. Corrected as follows: In the statement, second column, line 2, for "January 8, 1940" read *January 2, 1940*.

501,823. STAMFORD ADVOCATE. Registered Aug. 24, 1948. The Gillespie Bros., Inc., Stamford, Conn. DAILY NEWSPAPER. Class 38. Corrected as follows: In the statement, line 17, date of use, for "1943" read *1843*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

144,796. REM AND DESIGN. Registered July 19, 1921. The Hollander-Koshland Co. MEDICINE FOR THE TREATMENT OF COUGHS AND COLDS. Class 6. New certificate under section 7(c) issued Nov. 16, 1948, to The Maryland Pharmaceutical Company, Baltimore, Md., a corporation of Maryland.

382,083. FLER. Registered Oct. 15, 1940. Arthur V. Stansfeld. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, ETC. Class 45. New certificate under section 7(c) issued Nov. 16, 1948, to Fler, Inc., New York, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 56,244. Registered Sept. 4, 1906. THE LEHIGH COAL & NAVIGATION COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

OLD COMPANY'S LEHIGH

The disk is colored red.
FOR COAL.
Claims use since Jan. 1, 1878.

Reg. No. 70,045. Registered July 28, 1908. THE CAMPBELLS CREEK COAL COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

CAMPBELL'S CREEK COAL

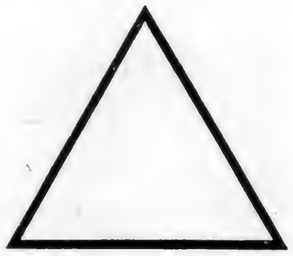
FOR COAL.
Claims use since Jan. 1, 1865.

Reg. No. 164,690. Registered Feb. 27, 1923. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

NATIONAL

FOR COAL-TAR CRUDES, INTERMEDIATES, DYESTUFFS, DYES, COAL-TAR COLORS, LAKES FOR PAPER AND CLOTH, DYES AND STAINS FOR BIOLOGICAL, BACTERIOLOGICAL AND HISTOLOGICAL PURPOSES; TINTS DERIVED FROM COAL-TAR COLORS, PIGMENTS FOR GENERAL USE, MORDANTS, ACCELERATORS FOR VULCANIZING PURPOSES, CHEMICALS DESIGNATED AS INDICATORS AND USED IN MAKING CHEMICAL ANALYSES, DEVELOPERS USED IN DYEING AND FOR PHOTOGRAPHY; COAL-TAR DERIVATIVES USED AS DYES, INTERMEDIATES, ACCESSORIES, PRESERVATIVES, AND PHARMACEUTICALS; AND DYES USED IN TANNING.
Claims use since about 1906.

Reg. No. 307,636. Registered Oct. 31, 1933. ATKINS & DURBOW, INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR PEAT MOSS USED AS POULTRY LITTER, STABLE BEDDING, HOOF STUFFING, AND BY NURSERYMEN, FLORISTS, AND GARDENERS.
Claims use since November 1923.

Reg. No. 334,763. Registered May 12, 1936. T. W. WOOD & SONS, Richmond, Va., a firm. Republished by registrant.

WOOD'S "Super Green" LAWN GRASS SEED

The words "Green Lawn Grass Seed" are disclaimed apart from the mark as shown.
FOR GRASS SEED.
Claims use since Mar. 9, 1934.

CLASS 2

RECEPTACLES

Reg. No. 175,033. Registered Oct. 30, 1923. THE DONLEY BROTHERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DONLEY DEVICES

The word "Devices" is disclaimed apart from the mark as shown.
FOR FIREPLACE DAMPERS AND OPERATING MEANS THEREFOR, FIREPLACE BASKETS AND GRATES, RUBBISH BURNERS, AND SALAMANDERS.
Claims use since Nov. 29, 1919.

Reg. No. 331,680. Registered Jan. 14, 1936. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

TRAY-PAX

FOR MERCHANDISE CONTAINERS MADE OF PASTEBOARD WITH TRANSPARENT CELLULOSE FACINGS.
Claims use since July 24, 1934.

Reg. No. 397,404. Registered Sept. 8, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR BASE-METAL SALT-AND-PEPPER SHAKERS, BASE-METAL GLASS-LINED OCCASIONAL BOXES FOR MISCELLANEOUS USE, BASE-METAL CANDY BOXES SOLD IN TRADE EMPTY, BASE-METAL LIPSTICK HOLDERS SOLD IN TRADE EMPTY, AND BASE-METAL ROUGE BOXES SOLD IN TRADE EMPTY.
Claims use since Apr. 24, 1934.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 335,466. Registered June 2, 1936. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

Gallivant

FOR HANDBAGS.
Claims use since Jan. 24, 1936.

Reg. No. 348,089. Registered July 13, 1937. PYRAMID LEATHER GOODS COMPANY, New York, N. Y., a firm. Republished by registrant.



FOR CHILDREN'S HANDBAGS.
Claims use since Jan. 1, 1937.

CLASS 4

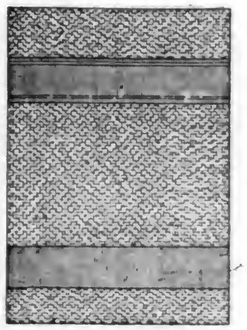
ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 212,933. Registered May 18, 1926. WILLIAMSVILLE BUFF MANUFACTURING COMPANY, Danielson, Conn. Republished by Williamsville Buff Mfg. Co., Danielson, Conn., a corporation of Connecticut.

WILCO

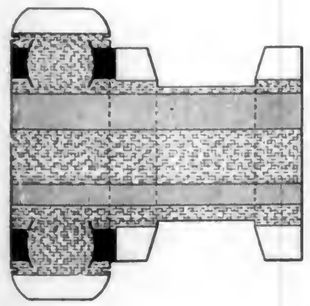
FOR BUFFING WHEELS.
Claims use since on or about Nov. 19, 1924.

Reg. No. 295,145. Registered June 21, 1932. POLK MILLER PRODUCTS CORP., Richmond, Va., a corporation of Virginia. Republished by registrant.



The drawing is lined for red and yellow.
FOR SOAP.
Claims use since 1919.

Reg. No. 331,351. Registered Jan. 7, 1936. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.



The representation of the carton is disclaimed apart from the mark as shown. The drawing is lined for the colors red, yellow, and black.
FOR SOAP..
Claims use since April 1935.

Reg. No. 347,643. Registered June 29, 1937. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

NACCOLENE

FOR CHEMICAL COMPOSITIONS USED IN THE DRY CLEANING OF TEXTILES.
Claims use since Dec. 21, 1935.

Reg. No. 355,860. Registered Apr. 5, 1938. GENERAL CHEMICAL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



FOR SODIUM PHOSPHATE DETERGENTS, PARTICULARLY TRISODIUM PHOSPHATE DETERGENTS, AND SODIUM SILICATE DETERGENTS, PARTICULARLY SODIUM META-SILICATE DETERGENTS.
Claims use since August 1934.

Reg. No. 355,861. Registered Apr. 5, 1938. GENERAL CHEMICAL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



FOR SODIUM PHOSPHATE DETERGENTS, PARTICULARLY TRISODIUM PHOSPHATE DETERGENTS, AND SODIUM SILICATE DETERGENTS, PARTICULARLY SODIUM META-SILICATE DETERGENTS.
Claims use since August 1934.

Reg. No. 388,788. Registered July 8, 1941. THE OHIO MATCH COMPANY, Wadsworth, Ohio, a corporation of Delaware. Republished by registrant.

MIDGET MAID

FOR STEEL WOOL AND SOAP CLEANING PADS.
Claims use since Feb. 25, 1941.

CLASS 5

ADHESIVES

Reg. No. 382,945. Registered Nov. 19, 1940. ESTATE OF H. B. FRED KUHLS, doing business as H. B. Fred Kuhls, Brooklyn, N. Y. Republished by registrant.

AVIO

FOR LIQUID MARINE GLUE.
Claims use since January 1937.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 122,324. Registered July 23, 1918. JULIUS R. JONES, Richmond, Va. Republished by Owens & Minor Drug Co., Inc., Richmond, Va., a corporation of Virginia.

TONO SCALPA

FOR SCALP PREPARATION.
Claims use since August 1912.

Reg. No. 126,949. Registered Oct. 14, 1919. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.



FOR COAL-TAR DYESTUFFS.
Claims use since the Fall of 1918.

Reg. No. 127,769. Registered Dec. 2, 1919. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

PERIGEE

FOR FOOD-COLORS.
Claims use since May 17, 1919.

Reg. No. 129,511. Registered Feb. 24, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

RAJAH

FOR FOOD-COLORS.
Claims use since July 11, 1918.

Reg. No. 131,349. Registered May 11, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

CEYLENE

FOR FOOD-COLORS.
Claims use since May 17, 1919.

Reg. No. 131,351. Registered May 11, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

NOKA

FOR FOOD-COLORS.
Claims use since May 17, 1919.

Reg. No. 131,352. Registered May 11, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

RANA

FOR FOOD-COLORS.
Claims use since May 17, 1919.

Reg. No. 131,353. Registered May 11, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

BURNO

FOR FOOD-COLORS.
Claims use since May 17, 1919.

Reg. No. 131,354. Registered May 11, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

TOKI

FOR FOOD-COLORS.
Claims use since May 17, 1919.

Reg. No. 131,355. Registered May 11, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

BORDORINE

FOR FOOD-COLORS.
Claims use since May 17, 1919.

Reg. No. 131,356. Registered May 11, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

SOLONA

FOR FOOD-COLORS.
Claims use since May 17, 1919.

Reg. No. 131,558. Registered May 18, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

YOLCONE

FOR FOOD-COLORS.
Claims use since Sept. 17, 1918.

Reg. No. 131,559. Registered May 18, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

RUBALINE

FOR FOOD-COLORS.
Claims use since July 18, 1918.

Reg. No. 131,560. Registered May 18, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

MYRTINE

FOR FOOD-COLORS.
Claims use since July 8, 1918.

Reg. No. 153,804. Registered Mar. 28, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

NACCO

FOR COAL-TAR DYESTUFFS.
Claims use since Sept. 1, 1906.

Reg. No. 155,543. Registered May 30, 1922. TRAGER MANUFACTURING COMPANY, Scranton, Pa., a corporation of Pennsylvania. Republished by registrant.

Dead Shot



FOR INSECTICIDES.
Claims use since about Jan. 1, 1892.

Reg. No. 160,928. Registered Oct. 31, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

SERICHROME

The word "Chrome" is disclaimed apart from the mark as shown.
FOR DYES, DYESTUFFS, AND COLORS.
Claims use since Feb. 4, 1911.

Reg. No. 161,242. Registered Nov. 7, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

SUPERCHROME

The word "Chrome" is disclaimed apart from the mark as shown.
FOR DYES, DYESTUFFS, AND COLORS.
Claims use since Feb. 19, 1918.

Reg. No. 164,690. Registered Feb. 27, 1923. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

NATIONAL

FOR COAL-TAR CRUDES, INTERMEDIATES, DYESTUFFS, DYES, COAL-TAR COLORS, LAKES FOR PAPER AND CLOTH, DYES AND STAINS FOR BIOLOGICAL, BACTERIOLOGICAL AND HISTOLOGICAL PURPOSES; TINTS DERIVED FROM COAL-TAR COLORS, PIGMENTS FOR GENERAL USE, MORDANTS, ACCELERATORS FOR VULCANIZING PURPOSES, CHEMICALS DESIGNATED AS INDICATORS AND USED IN MAKING CHEMICAL ANALYSES, DEVELOPERS USED IN DYEING AND FOR PHOTOGRAPHY; COAL-TAR DERIVATIVES USED AS DYES, INTERMEDIATES, ACCESSORIES, PRESERVATIVES, AND PHARMACEUTICALS; AND DYES USED IN TANNING.
Claims use since about 1906.

Reg. No. 165,706. Registered Mar. 20, 1923. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

ORADO

FOR DYESTUFFS—NAMELY, CERTIFIED FOOD-COLORS.
Claims use since July 12, 1922.

Reg. No. 173,271. Registered Sept. 18, 1923. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.



FOR COAL-TAR CRUDES, INTERMEDIATES, DYESTUFFS, DYES, COAL-TAR COLORS, LAKES FOR PAPER AND CLOTH, DYES AND STAINS FOR BIOLOGICAL, BACTERIOLOGICAL, AND HISTOLOGICAL PURPOSES; TINTS DERIVED FROM COAL-TAR COLORS, PIGMENTS FOR GENERAL USE, MORDANTS, ACCELERATORS FOR VULCANIZING PURPOSES, CHEMICALS DESIGNATED AS INDICATORS AND USED IN MAKING CHEMICAL ANALYSES, DEVELOPERS USED IN DYEING AND FOR PHOTOGRAPHY; COAL-TAR DERIVATIVES USED AS DYES, INTERMEDIATES, ACCESSORIES, PRESERVATIVES, AND PHARMACEUTICALS; AND DYES USED IN TANNING.
Claims use since Jan. 15, 1923.

Reg. No. 186,016. Registered July 1, 1924. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

ACRIVIOLET

FOR COAL-TAR DYESTUFFS, PRINCIPALLY FOR MEDICINAL USE AS A DISINFECTANT AND ANTISEPTIC.
Claims use since Dec. 3, 1923.

Reg. No. 187,553. Registered Aug. 5, 1924. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

BERGUNDA

FOR DYESTUFFS—NAMELY, CERTIFIED FOOD-COLORS.
Claims use since Nov. 8, 1922.

Reg. No. 193,390. Registered Dec. 30, 1924. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

LIMECONE

FOR CERTIFIED FOOD COLORS.
Claims use since June 4, 1924.

Reg. No. 194,837. Registered Feb. 10, 1925. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

POINSETINE

FOR CERTIFIED FOOD COLORS.
Claims use since Oct. 3, 1924.

Reg. No. 195,765. Registered Mar. 3, 1925. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

SOLANTINE

FOR DYES, DYESTUFFS, AND COLORS.
Claims use since Aug. 5, 1924.

Reg. No. 221,023. Registered Nov. 23, 1926. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

TETRADOL

FOR COAL TAR PRODUCT USED PRINCIPALLY FOR MEDICINAL PURPOSES.
Claims use since Mar. 2, 1926.

Reg. No. 241,388. Registered Apr. 24, 1928. GEOFFREY PEPLOW, Pasadena, Calif. Republished by The Harrower Laboratory, Inc., Glendale, Calif., a corporation of Delaware.

PANCOLATE

FOR LAXATIVE DIGESTIVE TABLETS.
Claims use since Oct. 21, 1927.

Reg. No. 242,870. Registered June 5, 1928. THE HARROWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif., a corporation of Delaware. Republished by registrant, present address Glendale, Calif.

LYDIN

FOR SOLUTION CONTAINING AN ACTIVE PRINCIPLE SECURED FROM THE INTERSTITIAL CELLS OF LEYDIG, A MEDICINAL PREPARATION FOR STIMULATING THE ENDOCRINE FUNCTIONING OF THE GONADS AND DEPENDENT ENDOCRINE ORGANS.
Claims use since Nov. 1, 1927.

Reg. No. 244,653. Registered July 24, 1928. VANADIUM CORPORATION OF AMERICA, Bridgeville, Pa., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

VANCORAM

FOR METALLIC OXIDES AND SALTS, AND ESPECIALLY OXIDES AND SALTS OF VANADIUM MOLYBDENUM, TUNGSTEN, CHROMIUM, TITANIUM, ZIRCONIUM, CADMIUM, URANIUM, COBALT, NICKEL, AND MANGANESE.
Claims use since Jan. 30, 1928.

Reg. No. 270,213. Registered Apr. 29, 1930. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

TOXILIC

FOR ORGANIC ACIDS FOR USE IN THE MANUFACTURE OF SYNTHETIC RESINS, RESIN PLASTICIZERS, SOLVENTS, AND MALIC ACID.
Claims use since Aug. 13, 1929.

Reg. No. 272,288. Registered July 1, 1930. TRAGER MANUFACTURING COMPANY, INC., Scranton, Pa., a corporation of Pennsylvania. Republished by registrant.

DR. TRAGER'S HARTSHORN

FOR AMMONIA.
Claims use since 1889.

Reg. No. 284,944. Registered July 14, 1931. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

NACCOSOL

FOR WETTING OUT AGENTS, EMULSIFYING AGENTS, AND DYE ASSISTANTS.
Claims use since Feb. 26, 1930.

Reg. No. 305,814. Registered Aug. 22, 1933. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

Ren-nemia

FOR MEDICAMENT USED IN THE TREATMENT OF SECONDARY ANEMIA.
Claims use since 1928.

Reg. No. 306,262. Registered Sept. 12, 1933. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

OLD BARON

FOR GENERAL TONIC HAVING A WINE BASE.
Claims use since Apr. 4, 1933.

Reg. No. 306,263. Registered Sept. 12, 1933. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

BLACK (BE) EAGLE

FOR GENERAL TONIC, HAVING A WINE BASE.
Claims use since Apr. 4, 1933.

Reg. No. 311,905. Registered Apr. 10, 1934. CHAMBERLIN LABORATORIES, Des Moines, Iowa., a corporation of Iowa. Republished by registrant.



The word "Lotion" and the representation of the container are disclaimed apart from the mark as shown.
FOR LOTION FOR HANDS AND SKIN.
Claims use since October 1932.

Reg. No. 319,693. Registered Dec. 4, 1934. NORTHERN RESEARCH LABORATORIES, INC., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

DEBACTEROL

FOR GERMICIDE FOR TREATMENT OF DISEASES OF THE MOUTH.
Claims use since Jan. 1, 1931.

Reg. No. 336,901. Registered July 21, 1936. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

Nacconol

FOR CHEMICAL DYEING AIDS, FIBER TREATING, MOISTENING, PROTECTING AND PENETRATING PREPARATIONS, AND DISPERSING AGENTS OF GENERAL APPLICATION.
Claims use since Oct. 5, 1932.

Reg. No. 350,436. Registered Sept. 28, 1937. POLK MILLER PRODUCTS CORP., Richmond, Va., a corporation of Virginia. Republished by registrant.



FOR LAXATIVE CAPSULES, WORM MEDICINE, CONDITION PILLS FOR DOGS, WORM CAPSULES AND LIQUID WORM MEDICINE, SPECIAL MEDICINE FOR REDUCTION OF FEVER IN DOGS AND PUPPIES, PEPSIN TABLETS, ARSENIC AND IRON PILLS, TAPE WORM MEDICINE, DIURETIC PILLS, NERVE SEDATIVE MEDICINE, INTESTINAL ASTRINGENT FOR DOGS, CANKER WASH, EXPECTORANT MEDICINE, EYE WASH FOR DOGS, MOUTH WASH FOR DOGS, LINIMENT FOR SPRAINS, STRAINS, AND SORE MUSCLES FOR DOGS AND HUMANS, MANGE MEDICINE FOR SARCOPTIC MANGE.
Claims use since April 1935.

Reg. No. 354,571. Registered Feb. 15, 1938. GENERAL CHEMICAL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



FOR HEAVY CHEMICALS, PARTICULARLY SODIUM SULPHIDE, SALT CAKE, SODIUM BISULPHITE, ACETIC ACID, FERRIC SULPHATE, FERRIC NITRATE, STANNOUS CHLORIDE, IRON SULPHIDE, LEAD ACETATE, NITRE CAKE, ALUMINUM SULPHATE, SULPHUR, OXALIC ACID, AMMONIA ALUM, POTASH ALUM, SODIUM HYPOSULFITE, EPSOM SALT, GLAUBER'S SALT, SODIUM METASILICATE, SODIUM ALUMINUM SULPHATE, SODIUM FLUORIDE, DISODIUM PHOSPHATE, TRISODIUM PHOSPHATE, AND SODIUM SULPHITE, AND FOR FUNGICIDES AND INSECTICIDES.
Claims use since June 1929.

Reg. No. 354,572. Registered Feb. 15, 1938. GENERAL CHEMICAL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



FOR HEAVY CHEMICALS, PARTICULARLY SODIUM SULPHIDE, SALT CAKE, SODIUM BISULPHITE, ACETIC ACID, FERRIC SULPHATE, FERRIC NITRATE, STANNOUS CHLORIDE, IRON SULPHIDE, LEAD ACETATE, NITRE CAKE, ALUMINUM SULPHATE, SULPHUR, OXALIC ACID, AMMONIA ALUM, POTASH ALUM, SODIUM HYPOSULFITE, EPSOM SALT, GLAUBER'S SALT, SODIUM METASILICATE, SODIUM ALUMINUM SULPHATE, SODIUM FLUORIDE, DISODIUM PHOSPHATE, TRISODIUM PHOSPHATE, AND SODIUM SULPHITE, AND FOR FUNGICIDES AND INSECTICIDES.
Claims use since June 1929.

Reg. No. 358,198. Registered June 28, 1938. JAMES A. HAINES, doing business as Haines Products Company, Carey, Ohio. Republished by James A. Haines, Carey, Ohio.

BANISHEE

FOR DEODORANTS.
Claims use since February 1934.

Reg. No. 362,307. Registered Nov. 15, 1938. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

NACAN

FOR PROTECTIVE OXIDIZING AGENT AND KIER-BOILING ASSISTANT FOR DYED AND PRINTED MATERIALS.
Claims use since Mar. 7, 1933.

Reg. No. 363,078. Registered Dec. 13, 1938. THE NORTH AMERICAN FIBRE PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



Mogul

FOR LIQUID COMPOUND FOR THE ELIMINATION AND PREVENTION OF RUST, SCALE, CORROSION, AND CONGESTION IN BOILERS, HOT AND COLD WATER SUPPLY SYSTEMS, PASTEURIZERS, STERILIZERS, BOTTLE WASHERS, HUMIDIFIERS, AIR-CONDITIONERS, COOLING SYSTEMS, REFRIGERATION SYSTEMS, BRINE TANKS, PIPES AND COILS, AND ALL OTHER EQUIPMENT IN WHICH WATER AND/OR STEAM ARE UTILIZED.
Claims use since Jan. 1, 1937.

Reg. No. 366,256. Registered Apr. 4, 1939. MARTHA P. MINTER, doing business as Totus Mfg. Co., Philadelphia, Pa. Republished by Totus Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

Van-X

FOR MEDICATED GREASELESS OINTMENT FOR THE TREATMENT OF ECZEMA, MANGE, AND SIMILAR DISEASES OF ANIMALS.
Claims use since May 1936.

Ser. No. 373,831. Registered Dec. 26, 1939. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif. Republished by Nion Corporation, Los Angeles, Calif., a corporation of California.

CEVITABS

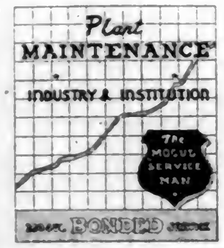
FOR TABLETS CONTAINING VITAMIN C TO BE USED IN VITAMIN C DEFICIENCY.
Claims use since Jan. 30, 1939.

Reg. No. 396,680. Registered July 28, 1942. THE VIAVI COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

LAMINETS

FOR CONCENTRATED VITAMINS USED AS A FOOD SUPPLEMENT AND HAVING USE AS A THERAPEUTIC VITAMIN PREPARATION PER SE.
Claims use since Feb. 12, 1942.

Reg. No. 404,093. Registered Nov. 2, 1943. THE NORTH AMERICAN FIBRE PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



All notations except "Mogul" are disclaimed apart from the mark as shown.
FOR CHEMICAL COMPOSITIONS IN VARIOUS APPLICATIONS—NAMELY, RUST ERADICATOR, BOILER CLEANER, AND SCALE REMOVER, WATERPROOFING, AND FOR CORROSION PREVENTION IN HEATING SYSTEMS AND IN WATER SYSTEMS.
Claims use since Feb. 26, 1943.

Reg. No. 412,134. Registered Feb. 20, 1945. PRATT & GRAY COMPANY, INC., Norwalk, Conn., assignor to Diebold, Incorporated. Republished by Diebold, Incorporated, Canton, Ohio, a corporation of Ohio.

DENSITROL

FOR DEVELOPERS, FIXERS, HARDENERS, AND OTHER CHEMICALS USED IN PROCESSING OF FILMS AND OTHER SILVER HALIDE EMULSIONS.
Claims use since May 1943.

Reg. No. 414,206. Registered May 29, 1945. M. DE TUVACHÉ, New York, N. Y. Republished by Tuvaché, Inc., New York, N. Y., a corporation of New York.

ZEZAN

FOR PERFUME AND COLOGNE.
Claims use since October 1938.

Reg. No. 433,394. Registered Oct. 14, 1947. I. F. LAUCKS, INC., Seattle, Wash., assignor to Monsanto Chemical Company. Republished by Monsanto Chemical Company, Seattle, Wash., a corporation of Delaware.

LAUXIDE

FOR INSECTICIDE IN POWDERED AND LIQUID FORM.
Claims use since June 19, 1945.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 397,406. Registered Sept. 8, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR PYROPHORIC CIGAR LIGHTERS, CANDLESTICKS, CONDENSER TUBES.
Claims use since Oct. 11, 1932.

Reg. No. 416,980. Registered Oct. 9, 1945. KIRSTEN PIPE COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

"RADIATOR"

FOR SMOKING PIPES AND CIGARETTE HOLDERS.
Claims use since on or about Jan. 1, 1940.

Reg. No. 417,466. Registered Oct. 30, 1945. KIRSTEN PIPE COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

Kirsten

FOR SMOKING PIPES AND CIGARETTE HOLDERS.
Claims use since on or about Jan. 1, 1937.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 355,761. Registered Mar. 29, 1938. THE OHIO MATCH COMPANY, Wadsworth, Ohio, a corporation of Delaware. Republished by registrant.



The words "Ohio Safety Matches" are disclaimed apart from the mark as shown.
FOR MATCHES.
Claims use since Nov. 1, 1937.

Reg. No. 386,558. Registered Apr. 15, 1941. A. B. T. MANUFACTURING CORP., Chicago, Ill., a corporation of Illinois. Republished by registrant.

ARROW-MATIC

FOR AIR RIFLES.
Claims use since Sept. 27, 1940.

Reg. No. 390,137. Registered Sept. 9, 1941. A. B. T. MANUFACTURING CORP., Chicago, Ill., a corporation of Illinois. Republished by registrant.

AIR-O-MATIC

FOR AIR RIFLES.
Claims use since Mar. 1, 1941.

CLASS 10

FERTILIZERS

Reg. No. 349,383. Registered Aug. 24, 1937. RELIANCE FERTILIZER COMPANY, Savannah, Ga. Republished by The Reliance Fertilizer Company, Savannah, Ga., a corporation of Georgia.

RELIANCE

FOR FERTILIZER.
Claims use since 1910.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 70,578. Registered Sept. 15, 1908. NORTHWESTERN STATES PORTLAND CEMENT CO., Mason City, Iowa. Republished by Northwestern States Portland Cement Company, Mason City, Iowa, a corporation of Iowa.



The annular band, small disk in center, and the lines are colored blue; and the words "North Western Portland Cement" and the dashes at the outer ends of the words "North" and "Western' are colored red.
FOR PORTLAND CEMENT.
Claims use since Jan. 1, 1908.

Reg. No. 135,591. Registered Oct. 19, 1920. ANDERSEN LUMBER COMPANY, Hudson, Wis., and South Stillwater, Minn. Republished by Andersen Corporation, Bayport, Minn., a corporation of Minnesota.



The words "White Pine Frames," "Andersen," and the representation of a white pine-window-frame, are disclaimed apart from the mark as shown. The drawing is lined for the colors blue, red, and white.

FOR WOODEN WINDOW AND DOOR FRAMES.

Claims use since July 1, 1917.

Reg. No. 136,745. Registered Nov. 9, 1920. ANDERSEN LUMBER COMPANY, Hudson, Wis., and South Stillwater, Minn. Republished by Andersen Corporation, Bayport, Minn., a corporation of Minnesota.



The surname "Andersen" is disclaimed apart from the mark as shown. The drawing is lined for the colors blue, red, and white.

FOR WOODEN WINDOW AND DOOR FRAMES

Claims use since July 1, 1917.

Reg. No. 160,415. Registered Oct. 24, 1922. THE CLEVELAND BUILDERS SUPPLY & BRICK COMPANY, Cleveland, Ohio. Republished by The Cleveland Builders Supply Company, Cleveland, Ohio, a corporation of Ohio.

Masons Myx

FOR PREPARED MIXTURE OF WHICH THE CHIEF INGREDIENTS ARE SAND, CEMENT, AND HYDRATED LIME, FOR USE IN MAKING MORTAR FOR LAYING UP ALL KINDS OF MASONRY.

Claims use since about Sept. 13, 1919.

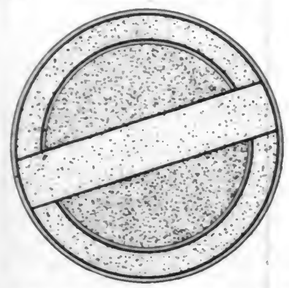
Reg. No. 243,656. Registered June 26, 1928. BREEN STONE & MARBLE COMPANY, Kasota, Minn., a corporation of Minnesota. Republished by registrant.



FOR BLOCKS OF STONE SAWED AND POLISHED AND FINISHED BLOCKS OF MATERIAL SOLD AS MARBLE.

Claims use since Sept. 1, 1926.

Reg. No. 260,699. Registered Aug. 27, 1929. ANDERSEN LUMBER COMPANY, Bayport, Minn. Republished by Andersen Corporation, Bayport, Minn., a corporation of Minnesota.



FOR WOODEN WINDOW AND DOOR FRAMES.

Claims use since on or about July 1, 1917.

Reg. No. 275,556. Registered Sept. 23, 1930. THE METROPOLITAN PAVING BRICK COMPANY, Canton and Minerva, Ohio, and Bessemer, Pa., a corporation of Ohio. Republished by registrant, present address Canton, Ohio.

BESSEMER

FOR BUILDING AND PAVING BRICKS AND BLOCKS.

Claims use since about Jan. 12, 1888.

Reg. No. 275,557. Registered Sept. 23, 1930. THE METROPOLITAN PAVING BRICK COMPANY, Canton and Minerva, Ohio, and Bessemer, Pa., a corporation of Ohio. Republished by registrant, present address Canton, Ohio.

METRO

FOR BUILDING AND PAVING BRICKS AND BLOCKS.

Claims use since on or about June 1, 1925.

Reg. No. 345,225. Registered Apr. 20, 1937. CONSOLIDATED CEMENT CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The words "Fredonia Portland Cement" and "Fredonia, Kansas" are disclaimed apart from the mark as shown. The drawing is lined for the color orange.

FOR PORTLAND CEMENT.

Claims use since 1925.

Reg. No. 345,226. Registered Apr. 20, 1937. FLORIDA PORTLAND CEMENT COMPANY, Chicago, Ill. Republished by General Portland Cement Company, Chicago, Ill., a corporation of Delaware.



The words "Florida Portland Cement" are disclaimed apart from the mark as shown. The drawing is lined for the colors red and green.

FOR PORTLAND CEMENT.

Claims use since 1927.

Reg. No. 345,227. Registered Apr. 20, 1937. SIGNAL MOUNTAIN PORTLAND CEMENT COMPANY, Chicago, Ill. Republished by General Portland Cement Company, Chicago, Ill., a corporation of Delaware.



The words "Portland Cement" are disclaimed apart from the mark as shown. The drawing is lined for the colors red and blue.

FOR PORTLAND CEMENT.

Claims use since 1923.

Reg. No. 345,228. Registered Apr. 20, 1937. TRINITY PORTLAND CEMENT COMPANY, Chicago, Ill. Republished by General Portland Cement Company, Chicago, Ill., a corporation of Delaware.



The shade lines in the drawing indicate the colors red and blue.

FOR PORTLAND CEMENT.

Claims use since 1901.

Reg. No. 345,632. Registered May 4, 1937. CONSOLIDATED CEMENT CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The words "Portland Cement" and "Cement City, Michigan." are disclaimed apart from the mark as shown. The shade lines on the drawing indicate an orange color.

FOR PORTLAND CEMENT.

Claims use since 1925.

Reg. No. 345,633. Registered May 4, 1937. CONSOLIDATED CEMENT CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The words "Portland Cement" and "Fredonia, Kansas" are disclaimed apart from the mark as shown. The shade lines on the drawing indicate the color orange.

FOR PORTLAND CEMENT.

Claims use since 1925.

Reg. No. 348,237. Registered July 20, 1937. TRINITY PORTLAND CEMENT COMPANY, Chicago, Ill. Republished by General Portland Cement Company, Chicago, Ill., a corporation of Delaware.



FOR PORTLAND CEMENT PARTICULARLY USED FOR OIL WELLS.

Claims use since Nov. 24, 1936.

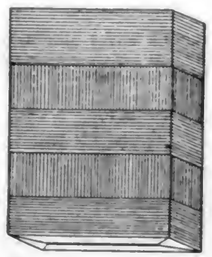
Reg. No. 353,560. Registered Jan. 11, 1938. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

COP-O-TOP

FOR COMPOSITE SHEET WEATHER-PROOFING MATERIAL — NAMELY, SIDING, ROOFING AND OTHER BUILDING LININGS.

Claims use since July 20, 1937.

Reg. No. 358,842. Registered July 26, 1938. TRINITY PORTLAND CEMENT COMPANY, Chicago, Ill. Republished by General Portland Cement Company, Chicago, Ill., a corporation of Delaware.



The representation of the container is disclaimed apart from the mark as shown. The drawing is lined for the colors red and blue.

FOR PORTLAND CEMENT.

Claims use since Oct. 1, 1936.

Reg. No. 359,256. Registered Aug. 9, 1939. FLORIDA PORTLAND CEMENT COMPANY, Chicago, Ill. Republished by General Portland Cement Company, Chicago, Ill., a corporation of Delaware.



All the wording on the drawing is disclaimed apart from the mark as shown. The drawing is lined for the colors, red, green, silver or gray.

FOR BUILDING AND MASONRY CEMENT.

Claims use since July 15, 1937.

Reg. No. 359,394. Registered Aug. 16, 1938. TRINITY PORTLAND CEMENT COMPANY, Chicago, Ill. Republished by General Portland Cement Company, Chicago, Ill., a corporation of Delaware.



The word "Mix" is disclaimed apart from the mark as shown. The shade lines on the drawing indicate the colors red and blue.

FOR BUILDING AND MASONRY CEMENT.

Claims use since Mar. 1, 1931.

Reg. No. 393,720. Registered Mar. 3, 1942. UNITED CO-OPERATIVES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address Alliance, Ohio.



The words "Quality Steel" and "Roofing" are disclaimed apart from the mark as shown.

FOR METAL ROOFING, METAL STALLS, AND STANCHIONS, COMPOSITION ROOFING AND SHINGLES.

Claims use since June 15, 1939.

Reg. No. 397,783. Registered Sept. 22, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR COPPER AND COPPER ALLOY DOWNSPOUTS; COPPER AND COPPER ALLOY GUTTERS; COPPER AND COPPER ALLOY FITTINGS FOR DOWNSPOUTS, INCLUDING DOWNSPOUT SHOES, DOWNSPOUT ELBOWS, DOWNSPOUT STRAPS, AND DOWNSPOUT HEADS; COPPER AND COPPER ALLOY FITTINGS FOR GUTTERS, INCLUDING GUTTER HANGERS, GUTTER MITRE JOINTS, GUTTER END CAPS, GUTTER END PIECES AND GUTTER OUTLETS; COPPER AND COPPER ALLOY HAND RAILING; COPPER AND COPPER ALLOY FITTINGS FOR HAND RAILING; COPPER AND COPPER ALLOY RIDGE ROLLS; COPPER ROOFING SHEET; COPPER ALLOY STAIR TREADS; COPPER AND COPPER ALLOY EXTRUDED ARCHITECTURAL SHAPES FOR STORE-FRONT, ETC., CONSTRUCTION; COPPER ALLOY STAIR NOSINGS; COPPER AND COPPER ALLOY WEATHER STRIP MOLDING; COPPER THROUGH-WALL FLASHING; COMPOSITE SHEET WEATHERPROOFING MATERIAL—NAMELY, SIDING, ROOFING, AND OTHER BUILDING LININGS; AND COPPER AND COPPER ALLOY SASH CHAIN.

Claims use since Jan. 31, 1930.

Reg. No. 398,429. Registered Oct. 27, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR RELISH AND JAM SETS HAVING A BASE-METAL TRAY; COMPRESSION FITTINGS FOR AUTOMOBILE FUEL LINES; BRASS AND COPPER TUBING FOR AUTOMOBILE FUEL LINES; PARTS FOR RADIATOR VALVES; WIRE SCREEN CLOTH; DOOR PULLS; KICK PLATES; DOOR PUSH BARS; FLOOR DIVIDING STRIPS; DOOR SADDLES; DOOR PUSH PLATES; RIDGE ROLL CLIPS; TUBULAR HEADERS OR PIPE MANIFOLDS; FINNED TUBING FOR HEAT EXCHANGERS; OIL-BURNER TUBING; AND FLARED FITTINGS FOR OIL-BURNER TUBING—NAMELY, ADAPTERS, BUSHINGS, CAPS, CROSSES, ELBOWS, PLUGS, RETURN-BENDS, SLEEVE-NUTS, T'S, AND UNIONS.

Claims use since Jan. 10, 1930.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 78,698. Registered July 5, 1910. THE FISHER GOVERNOR COMPANY, Marshalltown, Iowa, a corporation of Iowa. Republished by registrant.

FISHER

FOR VALVES.

Claims use since 1894.

Reg. No. 229,399. Registered June 28, 1927. ALUMINUM GOODS MANUFACTURING CO., Manitowoc, Wis., a corporation of New Jersey. Republished by registrant.

COMET
ALUMINUM

The word "Aluminum" is disclaimed apart from the mark as shown.

FOR ALUMINUM-WARE—NAMELY, BAKING DISHES, BOILERS FOR COOKING FOODS, CAKE PANS, COFFEE PERCOLATORS, COFFEE POTS, COLANDERS, COMBINATION COOKERS, COMBINATION POACHERS, STEAMER AND FRY PANS, COMBINATION ROASTERS, CONVEX KETTLES, CONVEX SAUCE PANS, CONVEX SAUCE POTS, COOKERS, COOKING KETTLES, COVERS, DISH PANS, DISH DRIERS, DOUBLE BOILERS, FRY PANS, KETTLES, LAYER-CAKE PANS, LIPPED FRY PANS, LIPPED PRESERVING KETTLES, LIPPED SAUCEPANS, LIPPED SAUCEPAN SETS, LIPPED STEWPAN SETS, MIXING BOWLS, MIXING BOWL SETS, PANS, PIE PLATES, PITCHERS, PRESERVING KETTLES, PUDDING PANS, PUDDING-PAN SETS, ROASTERS, SAUCEPANS, SAUCEPOTS, SKILLETS, SINK STRAINERS, STEAMERS, STEWPANS, STRAINERS, STRAINER KETTLES, STRAINER PANS, TEAKETTLES, TUBED CAKE PANS, WASHBASINS, WATER PITCHERS, AND WINDSOR KETTLES.

Claims use since Feb. 18, 1927.

Reg. No. 238,084. Registered Jan. 24, 1928. THE FISHER GOVERNOR COMPANY, Marshalltown, Iowa, a corporation of Iowa. Republished by registrant.

FISHER

FOR LIQUID LEVEL CONTROLLERS, STEAM AND AIR PRESSURE REGULATORS, VACUUM REGULATORS, VALVES, VALVE PARTS, REDUCING VALVES, STEAM TRAPS, DRIP-POCKET SEDIMENT STRAINERS.

Claims use since 1894.

Reg. No. 258,136. Registered June 25, 1929. DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa., a corporation of Pennsylvania. Republished by registrant.

DAR-A-LOY

FOR HYDRANTS, FLOOR STANDS, INDICATOR POSTS, GATE VALVES FOR WATER, STEAM, GAS, OIL, AIR, ACIDS AND OTHER PURPOSES; CHECK VALVES, BALL CHECK VALVES, HOSE VALVES, BY-PASS VALVES, AND NEEDLE VALVES.

Claims use since Jan. 24, 1929.

Reg. No. 398,429. Registered Oct. 27, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR RELISH AND JAM SETS HAVING A BASE-METAL TRAY; COMPRESSION FITTINGS FOR AUTOMOBILE FUEL LINES; BRASS AND COPPER TUBING FOR AUTOMOBILE FUEL LINES; PARTS FOR RADIATOR VALVES; WIRE SCREEN CLOTH; DOOR PULLS; KICK PLATES; DOOR PUSH BARS; FLOOR DIVIDING STRIPS; DOOR SADDLES; DOOR PUSH PLATES; RIDGE ROLL CLIPS; TUBULAR HEADERS OR PIPE MANIFOLDS; FINNED TUBING FOR HEAT EXCHANGERS; OIL-BURNER TUBING; AND FLARED FITTINGS FOR OIL-BURNER TUBING—NAMELY, ADAPTERS, BUSHINGS, CAPS, CROSSES, ELBOWS, PLUGS, RETURN-BENDS, SLEEVE-NUTS, T'S, AND UNIONS.

Claims use since Jan. 10, 1930.

Reg. No 408,334. Registered Aug. 8, 1944. G. G. GREENE MANUFACTURING CORPORATION, Warren, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR METAL STAMPINGS AND HARDWARE—NAMELY, FURNITURE LEG ADJUSTERS, BED RAIL AND BEDSTEAD FASTENERS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.

Claims use since January 1939.

Reg. No. 418,665. Registered Jan. 8, 1946. IMPERIAL MOLDED PRODUCTS CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

IMPC

FOR PLASTIC MOLDED KNOBS, HANDLES, PULLS, PUSH AND FACE PLATES, AND TURN BUTTONS FOR LIDS, DOORS, DRAWERS, FURNITURE, AND GENERAL USE, AND FURNITURE CASTER WHEELS.
Claims use since April 1926.

Reg. No. 423,582. Registered Sept. 3, 1946. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

PHOSNIC

FOR COPPER-BASE TUBES.
Claims use since Aug. 23, 1945.

Reg. No. 424,370. Registered Oct. 1, 1946. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

"SPRING-FLO"

The word "Flo" is disclaimed apart from the mark as shown
FOR WATER AERATORS FOR ATTACHMENT TO FAUCETS AND OTHER WATER OUTLETS.
Claims use since Nov. 18, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 87,141. Registered July 2, 1912. AMERICAN BRAKE SHOE & FOUNDRY COMPANY, Wilmington, Del. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

FOR CASTINGS MADE FROM METAL.
Claims use since July 1, 1911.

Reg. No. 288,568. Registered Nov. 3, 1931. RAMAPO AJAX CORPORATION, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

"SAMSON"

FOR RAIL SWITCHES.
Claims use since April 1931.

Reg. No. 379,755. Registered July 23, 1940. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHAMET

FOR NON-FERROUS METAL SHEETS, RODS, WIRE, AND WELDING RODS.
Claims use since Mar. 21, 1930.

Reg. No. 403,889. Registered Oct. 19, 1943. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

TELNIC

FOR RODS OF COPPER-BASE ALLOYS.
Claims use since May 13, 1943.

Reg. No. 420,645. Registered Apr. 23, 1946. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

PHOSNIC

FOR COPPER-BASE RODS, WIRE, AND SHEETS.
Claims use since July 13, 1945.

CLASS 15

OILS AND GREASES

Reg. No. 203,342. Registered Sept. 15, 1925. FELLOWS GASOLINE COMPANY, Los Angeles, Calif. Republished by Wilshire Oil Company, Inc., Los Angeles, Calif., a Corporation of California.

RADIO

FOR PETROLEUM PRODUCTS—VIZ, GASOLINE, ENGINE DISTILLATE, STOVE DISTILLATE, FURNACE DISTILLATE, DIESEL-ENGINE DISTILLATE, KEROSENE, BENZINE, GAS OIL, FUEL OIL, LUBRICATING OILS, LUBRICATING GREASES, AND CRUDE OIL.
Claims use since June 15, 1922.

Reg. No. 412,805. Registered Mar. 27, 1945. AMERICAN OIL & SUPPLY COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

ABL

FOR OIL AND GREASE LUBRICANTS, ANTI-CORROSIVE OILS AND GREASES, GUN OILS, GUN GREASES, CUTTING OILS, GUN-BORE OIL SOLVENTS, ANTI-CORROSIVE OILS, QUENCHING OILS, AND TEMPERING OILS.
Claims use since May 22, 1944.

Reg. No. 412,806. Registered Mar. 27, 1945. AMERICAN OIL & SUPPLY COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

ABL-LUBE

FOR OIL AND GREASE LUBRICANTS, ANTI-CORROSIVE OILS AND GREASES, GUN OILS, GUN GREASES, CUTTING OILS, GUN-BORE OIL SOLVENTS, ANTI-CORROSIVE OILS, QUENCHING OILS, AND TEMPERING OILS.
Claims use since May 22, 1944.

Reg. No. 412,807. Registered Mar. 27, 1945. AMERICAN OIL & SUPPLY COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

P-Q

FOR OIL AND GREASE LUBRICANTS, ANTI-CORROSIVE OILS AND GREASES, GUN OILS, GUN GREASES, CUTTING OILS, GUN-BORE OIL SOLVENTS, ANTI-CORROSIVE OILS, QUENCHING OILS, AND TEMPERING OILS.
Claims use since May 22, 1944.

Reg. No. 414,468. Registered June 12, 1945. AMERICAN OIL & SUPPLY COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

ALACAN

FOR OIL FOR LUBRICATION AND FOR USE AS A MOTION TRANSMISSION AGENT IN HYDRAULIC PRESSES AND SIMILAR MACHINERY.
Claims use since Sept. 15, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 39,044. Registered Oct. 14, 1902. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR VARNISHES.
Claims use since about Apr. 1, 1902.

Reg. No. 45,949. Registered Aug. 29, 1905. THE HANNA PAINT MFG. CO., Columbus, Ohio, a corporation of Ohio. Republished by registrant.

LUSTRO-FINISH



FOR VARNISH STAIN.
Claims use since 1904.

Reg. No. 62,781. Registered May 28, 1907. HOLZAPFEL'S COMPOSITIONS COMPANY, LIMITED, Newcastle-Upon-Tyne, England. Republished by International Paint Company, Inc., New York, N. Y., a corporation of New York.

SILVERETTE

FOR ALUMINUM PAINT.
Claims use since Sept. 13, 1906.

Reg. No. 74,984. Registered Aug. 24, 1909. HOLZAPFEL'S LIMITED, Newcastle-Upon-Tyne, England. Republished by International Paint Company, Inc., New York, N. Y., a corporation of New York.

LAGOLINE

FOR PAINTS AND ENAMELS.
Claims use since Dec. 17, 1897.

Reg. No. 125,836. Registered June 17, 1919. PRESERVATIVE PAINT CO., Seattle, Wash., a corporation of Washington. Republished by registrant.



FOR READY-MIXED PAINTS AND VARNISHES.
Claims use since Jan. 1, 1908.

Reg. No. 164,415. Registered Feb. 20, 1923. BALFOUR, WILLIAMSON AND COMPANY, New York, N. Y. Republished by Balfour, Guthrie & Co., Limited, New York, N. Y., a corporation of Delaware.

BAL-CO

FOR OILS USED IN THE PAINT, VARNISH AND LINOLEUM INDUSTRIES, INCLUDING CHINA-WOOD OIL.
Claims use since Nov. 16, 1921.

Reg. No. 190,940. Registered Oct. 28, 1924. GODFREY L. CABOT, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

CARBOVAR

FOR CARBON BLACK.
Claims use since Apr. 10, 1924.

Reg. No. 196,875. Registered Mar. 31, 1925. WAUKEGAN CHEMICAL COMPANY, North Chicago, Ill. Republished by Atlas Powder Company, Wilmington, Del., a corporation of Delaware.

BREVOLINE

FOR THINNERS USED FOR LACQUERS AND LACQUER ENAMELS.
Claims use since May 21, 1919.

Reg. No. 221,208. Registered Nov. 23, 1926. WAUKEGAN CHEMICAL COMPANY, North Chicago, Ill. Republished by Atlas Powder Company, Wilmington, Del., a corporation of Delaware.

BREVOKRAK

FOR FILM COATING MATERIALS OBTAINED FROM CELLULOSE DERIVATIVES.
Claims use since Apr. 6, 1923.

Reg. No. 262,821. Registered Oct. 22, 1929. THE CON-FERRO PAINT AND VARNISH CO., St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.

BESTEX

FOR PAINT ENAMEL, FLOOR ENAMEL, READY-MIXED HOUSE PAINT, FLAT WALL PAINT, VARNISH STAIN, AND PAINT STIPPLE WALL FINISH AND VARNISH.
Claims use since Oct. 1, 1928.

Reg. No. 279,827. Registered Jan. 27, 1931. CON-FERRO PAINT & VARNISH COMPANY, St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.

EVN-LAC

The word "Lac" is disclaimed apart from the mark as shown.
FOR LACQUER, PAINT ENAMEL, PAINT THINNERS, AND BRONZE PAINT.
Claims use since Aug. 23, 1926.

Reg. No. 282,603. Registered Apr. 28, 1931. THE INTERNATIONAL PAINT & COMPOSITIONS COMPANY, LIMITED, London, England. Republished by International Paint Company, Inc., New York, N. Y., a corporation of New York.

TANCTECTOL

FOR READY-MIXED AND PASTE PAINTS.
Claims use since May 1, 1926.

Reg. No. 283,627. Registered June 2, 1931. CON-FERRO PAINT & VARNISH COMPANY, St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.

CON--FERRO

FOR READY-MIXED PAINTS, PAINT ENAMELS, PAINT STIPPLE WALL FINISH, PASTE, DRY PAINT PIGMENTS, VARNISHES, STAINS, WOOD AND IRON FILLER, PAINT UNDERCOATING, VARNISH, STAINS, BRUSHING LACQUER, BRONZE PAINTS, FURNITURE AND AUTOMOBILE POLISHES, AND FINISHING WAX.
Claims use since Apr. 1, 1917.

Reg. No. 317,085. Registered Sept. 11, 1934. CITY PAINT COMPANY, St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Missouri.

EZE-PLY

FOR READY-MIXED PAINT, PAINT ENAMELS, VARNISHES, STAINS, PUTTY.
Claims use since June 6, 1933.

Reg. No. 336,585. Registered July 7, 1936. ATLAS POWDER COMPANY, Wilmington, Del., a corporation of Delaware. Republished by registrant.

NOPAZ

FOR LACQUERS, LACQUER ENAMELS, PAINTLIKE COMPOUND FOR LACQUERING AND ENAMELING, AND THINNERS THEREFOR.
Claims use since Feb. 26, 1936.

Reg. No. 380,054. Registered Aug. 6, 1940. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SUPERTROP

FOR ANTIFOULING MARINE PAINTS.
Claims use since on or about Feb. 6, 1940.

Reg. No. 409,720. Registered Oct. 17, 1944. SPENCER-ADAMS PAINT COMPANY, INC., Atlanta, Ga., a corporation of Georgia. Republished by registrant.



FOR READY-MIXED PAINT, VARNISH, PAINT ENAMEL, AND STAINS.
Claims use since Apr. 6, 1944.

Reg. No. 418,122. Registered Dec. 4, 1945. SPENCER-ADAMS PAINT COMPANY, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

Spenada

FOR PAINT ENAMELS.
Claims use since Apr. 18, 1945.

Reg. No. 432,974. Registered Sept. 23, 1947. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Interlux

FOR PAINTS IN READY-MIXED FORM, PAINT ENAMELS, VARNISHES, PUTTIES AND SEAM COMPOUND WITH OIL VARNISH BASES, PAINT AND VARNISH REMOVER, AND PAINT SOLVENTS.
Claims use since Mar. 15, 1939.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 163,303. Registered Jan. 9, 1923. CUMBERLAND TOBACCO WORKS, INC., Nashville, Tenn., a corporation of Tennessee. Republished by registrant.



FOR SMOKING TOBACCO.
Claims use since 1910.

Reg. No. 190,070. Registered Oct. 7, 1924. CUMBERLAND TOBACCO WORKS, Nashville, Tenn., a corporation of Tennessee. Republished by registrant.



The word "Twist" is disclaimed apart from the mark as shown.
FOR SMOKING AND CHEWING TOBACCO.
Claims use since Nov. 1, 1903.

Reg. No. 196,447. Registered Mar. 17, 1925. CUMBERLAND TOBACCO WORKS, Nashville, Tenn., a corporation of Tennessee. Republished by registrant.

COW BELL

FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since Apr. 21, 1917.

CLASS 19

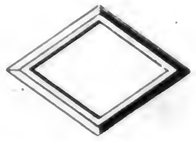
VEHICLES

Reg. No. 74,793. Registered Aug. 10, 1909. AMERICAN BRAKE SHOE & FOUNDRY COMPANY, Mahwah, N. J., and New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.



FOR BRAKE SHOES.
Claims use since about 1897.

Reg. No. 74,794. Registered Aug. 10, 1909. AMERICAN BRAKE SHOE & FOUNDRY COMPANY, Mahwah, N. J., and New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.



FOR BRAKE SHOES.
Claims use since about October 1907.

Reg. No. 106,193. Registered Oct. 19, 1915. AMERICAN BRAKE SHOE & FOUNDRY COMPANY, Mahwah, N. J., and New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.



FOR BRAKE SHOES
Claims use since about Dec. 1, 1914.

Reg. No. 106,280. Registered Oct. 19, 1915. AMERICAN BRAKE SHOE & FOUNDRY COMPANY, Mahwah, N. J., and New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

DIAMOND

FOR BRAKE SHOES.
Claims use since about Dec. 1, 1914.

Reg. No. 148,703. Registered Nov. 22, 1921. PERFEX RADIATOR COMPANY, Racine, Wis. Republished by Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin.

PERFEX

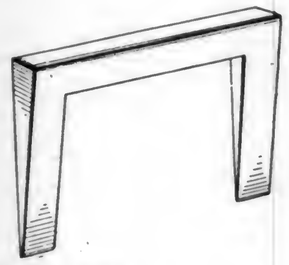
FOR AUTOMOBILE RADIATORS.
Claims use since Aug. 1, 1911.

Reg. No. 170,013. Registered July 10, 1923. KALES STAMPING COMPANY, Detroit, Mich. Republished by Whitehead Stamping Company, Detroit, Mich., a corporation of Michigan.



FOR MIRRORS FOR MOTOR VEHICLES.
Claims use since Nov. 11, 1922.

Reg. No. 288,054. Registered Oct. 20, 1931. AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, Wilmington, Del., and New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.



FOR BRAKE SHOES.
Claims use since on or about May 3, 1915.

Reg. No. 290,320. Registered Jan. 5, 1932. CHRYSLER CORPORATION, Highland Park, Mich., a corporation of Delaware. Republished by registrant.

plymouth

FOR AUTOMOBILES AND THEIR STRUCTURAL PARTS.
Claims use since June 1, 1928.

CLASS 20

LINOLEUM AND OILED CLOTH

Reg. No. 194,212. Registered Jan. 20, 1925. THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Republished by Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio.

WALL-TEX

FOR OILCLOTH.
Claims use since July 1, 1924.

Reg. No. 196,264. Registered Mar. 17, 1925. THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Republished by Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio.

TABLE-TEX

FOR OILED CLOTH.
Claims use since Nov. 1, 1924.

Reg. No. 196,265. Registered Mar. 17, 1925. THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Republished by Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio.

SHELF-TEX

FOR OILED CLOTH.
Claims use since Nov. 1, 1924.

Reg. No. 196,428. Registered Mar. 17, 1925. THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Republished by Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio.

LIN-TEX

FOR OILED CLOTH.
Claims use since Nov. 1, 1924.

Reg. No. 232,382. Registered Sept. 6, 1927. THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Republished by Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio.

LEATHER-TEX

FOR OILED CLOTH HAVING A LEATHER-SIMULATING FINISH, NOT USED UPON CARRIAGE CLOTH AND AUTO TOP COVERINGS.
Claims use since Nov. 1, 1924.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 134,677. Registered Sept. 14, 1920. THE HARTFORD BATTERY MANUFACTURING COMPANY, Hartford, Conn. Republished by Hartford Battery Sales Corporation, Waltham, Mass., a corporation of Massachusetts.

THE HARTFORD BATTERY MFG. CO.

FOR STORAGE BATTERIES AND PARTS THEREOF.
Claims use since June 3, 1919.

Reg. No. 267,604. Registered Feb. 25, 1930. CHARLES A. HASSLINGER, doing business as Hasslinger's Battery Service, Baltimore, Md. Republished by Perrine Quality Products Corporation, Waltham, Mass., a corporation of Massachusetts.



The drawing is lined to indicate the color red.
FOR BATTERIES.
Claims use since May 15, 1928.

Reg. No. 306,006. Registered Aug. 29, 1933. NOAH'S ARK AUTO ACCESSORIES, INC., Rochester, N. Y. Republished by Perrine Quality Products Corporation, Waltham, Mass., a corporation of Massachusetts.



The words "Super Power" are disclaimed apart from the mark as shown. The drawing is lined to represent the color yellow.
FOR STORAGE BATTERIES.
Claims use since Mar. 20, 1931.

Reg. No. 309,015. Registered Dec. 26, 1933. PIONEER INSTRUMENT COMPANY, INC., Brooklyn, N. Y. Republished by Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware.

AUTOSYN

FOR SYNCHRONOUS ALTERNATING CURRENT MOTORS.
Claims use since Jan. 9, 1933.

Reg. No. 311,588. Registered Mar. 27, 1934. PERRINE QUALITY PRODUCTS CORPORATION, Waltham, Mass., a corporation of Massachusetts. Republished by registrant.

POLAR BEAR

FOR STORAGE BATTERIES AND THEIR PARTS—NAMELY, BATTERY CASES, BATTERY CONTAINERS, PLATES, PLATE FILLING, SEPARATORS, HANGERS,

TERMINAL POSTS, BUSHINGS AND NUTS, CONNECTOR LINKS AND STRAPS, BATTERY TOPS, FILLING COLLARS AND CAPS, BATTERY HANDLES, BATTERY CARRIERS, BATTERY SEALER, BATTERY CLIPS AND CONNECTORS, AND ASSOCIATED BATTERY PARTS EXCEPT ELECTROLYTE.
Claims use since about June 1, 1931.

Reg. No. 388,445. Registered June 24, 1941. BENDIX AVIATION CORPORATION, Bendix, N. J., a corporation of Delaware. Republished by registrant, present address Teterboro, N. J.

MAGNESYN

FOR ELECTRICAL TRANSMITTING AND/OR RECEIVING DEVICES OF THE TYPE CONSISTING OF A TRANSMITTER HAVING A ROTOR AND STATOR AND ELECTRICALLY CONNECTED TO A SIMILAR DEVICE HAVING A ROTOR AND STATOR AND FUNCTIONING AS A RECEIVER AT A POINT REMOTE FROM THE TRANSMITTER.
Claims use since Jan. 15, 1941.

Reg. No. 396,518. Registered July 21, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR COPPER ANODES, COPPER ELECTRICAL BUS BARS, ELECTRIC TABLE AND FLOOR LAMPS, COPPER TUBULAR ELECTRICAL BUS (ROUND), FLASHLIGHTS, ELECTRIC LIGHTING CEILING AND WALL FIXTURES AND PARTS THEREOF, BATTERY-OPERATED PORTABLE ELECTRIC LANTERNS, COPPER AND COPPER ALLOY CONDUIT FOR HOUSING ELECTRIC WIRES, ELECTRICAL FOOD WARMERS, COPPER TUBULAR ELECTRICAL BUS (SQUARE), ELECTRICAL HOT PLATES, ELECTRICAL TEA KETTLES, ELECTRICAL COFFEE MAKERS, ELECTRICAL COOKING DISHES, COPPER ELECTRICAL GROUNDING RODS, AND MAGNET WIRE.
Claims use since Jan. 15, 1930.

Reg. No. 400,946. Registered Apr. 13, 1943. INDUSTRIAL ELECTRONICS CORPORATION, Newark, N. J., a corporation of New Jersey. Republished by registrant.



The words "Industrial" and "Electronic" are disclaimed apart from the mark as shown.
FOR INCANDESCENT, FLUORESCENT, SHORT WAVE, AND ULTRA VIOLET LAMPS FOR USE IN AIRPLANE DETECTION, MEAT TENDERIZING, AND ILLUMINATION, AND FOR THE ASSOCIATED CONTROL EQUIPMENT INCLUDING ELECTRICALLY AND MANUALLY OPERATED BALLAST, RHEOSTAT, AND TRANSFORMER.
Claims use since July 8, 1942.

Reg. No. 422,141. Registered July 9, 1946. PERRINE QUALITY PRODUCTS CORPORATION, Waltham, Mass., a corporation of Massachusetts. Republished by registrant.

GOLD STANDARD

The word "Standard" is disclaimed apart from the mark as shown.
FOR STORAGE BATTERIES.
Claims use since on or about March 1931.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 296,101. Registered July 19, 1932. PLAYSKOOL INSTITUTE, INC., Milwaukee, Wis. Republished by Playskool Manufacturing Company, Chicago, Ill., a corporation of Illinois.

PLAYSKOOL

FOR TOYS—NAMELY, BUILDING BLOCKS, PEG BOARDS, WOODEN BEADS, CHESTS, BLACK BOARDS, CONSTRUCTION OUTFITS, AND MINIATURE LUMBER.
Claims use since December 1929.

Reg. No. 296,802. Registered Aug. 23, 1932. PLAYSKOOL INSTITUTE, INC., Milwaukee, Wis. Republished by Playskool Manufacturing Company, Chicago, Ill., a corporation of Illinois.



The words "Hammer—Nail" and the representation of the hammer are disclaimed apart from the mark as shown.
FOR TOY CONSTRUCTION OUTFITS INCLUDING HAMMER, NAILS, AND CONSTRUCTION ELEMENTS SOLD AS A UNIT.
Claims use since Mar. 5, 1932.

Reg. No. 422,051. Registered July 2, 1946. A. B. T. MANUFACTURING CORP., Chicago, Ill., a corporation of Illinois. Republished by registrant.

DANDY

FOR COIN SLIDES FOR COIN-OPERATED AMUSEMENT DEVICES AND MACHINES.
Claims use since May 8, 1944.

Reg. No. 429,195. Registered Apr. 22, 1947. THE PAUL BUNYAN BAIT COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

TEAR DROP

FOR FISHING SPOONS AND FISHING SPINNERS.
Claims use since May 1, 1941.

Reg. No. 433,286. Registered Oct. 7, 1947. SPIEGEL, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.



The term "American" is disclaimed apart from the mark as shown.
FOR ROLLER SKATES, ICE SKATES, BASEBALLS, BASEBALL GLOVES, SOFTBALLS, SOFTBALL GLOVES, BASKET BALLS, SKIS, BOXING GLOVES, STRIKING BAGS, FOOTBALLS, FOOTBALL HELMETS, FOOTBALL SHOULDER PADS, VOLLEY BALLS, AND TENNIS RACKETS.
Claims use since September 1935.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 64,696. Registered Aug. 20, 1907. COES WRENCH COMPANY, Worcester, Mass. Republished by The Billings & Spencer Company, Hartford, Conn., a corporation of Connecticut.

COES

FOR WRENCHES.
Claims use since 1873.

Reg. No. 80,117. Registered Nov. 8, 1910. THE FISHER GOVERNOR COMPANY, Marshalltown, Iowa, a corporation of Iowa. Republished by registrant.

FISHER

FOR GOVERNORS FOR AIR-COMPRESSORS, FIRE-PUMPS, BOILER FEED-PUMPS, WATERWORKS-PUMPS, HYDRAULIC ELEVATORS, MINE-PUMPS, BEER-PUMPS, RAILROAD-WASHOUT PUMPS, RAILROAD-WATER-SERVICE PUMPS, GRAVITY OPEN-TANK ELEVATOR PUMPS, VACUUM-PUMPS, AND STEAM-ENGINES.
Claims use since 1894.

Reg. No. 126,549. Registered Sept. 16, 1919. HUGHES TOOL COMPANY, Houston, Tex. Republished by Hughes Tool Company, Houston, Tex., a corporation of Delaware.



FOR ROTARY EARTH-BORING DRILLS AND DRILL-COLLARS.
Claims use since Jan. 1, 1918.

Reg. No. 169,822. Registered July 3, 1923. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CLE-FORGE

FOR METAL WORKING SMALL TOOLS—NAMELY, BORING DRILLS AND COUNTERSINKS.
Claims use since Aug. 1, 1922.

Reg. No. 208,281. Registered Jan. 26, 1926. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CLEVELAND

FOR METAL WORKING SMALL TOOLS—NAMELY, BITS OF ALL KINDS, REAMERS, SOCKETS, MILLS AND COUNTERSINKS.
Claims use since Sept. 15, 1893.

Reg. No. 225,836. Registered Mar. 29, 1927. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Spirex

FOR METAL WORKING SMALL TOOLS—NAMELY, REAMERS.
Claims use since about Sept. 5, 1925.

Reg. No. 233,245. Registered Sept. 27, 1927. J. L. FERGUSON COMPANY, Joliet, Ill., a corporation of Illinois. Republished by registrant.



FOR PACKAGING MACHINERY—NAMELY, CARTON-SEALING MACHINES, MACHINES FOR AUTOMATICALLY FILLING PREDETERMINED AMOUNT OF PRODUCTS INTO RECEPTACLES, CARTON-FORMING MACHINES, CONTAINER-SEALING MACHINES, PACKING AND WRAPPING TABLES, SPECIAL MACHINERY MADE TO ORDER, DIES, AND REPAIR PARTS THEREFOR.
Claims use since January 1922.

Reg. No. 244,174. Registered July 17, 1928. THE P. A. GEIER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

ROYAL

FOR SPRAY ATTACHMENTS FOR SUCTION CLEANERS AND THE LIKE.
Claims use since Dec. 27, 1927.

Reg No. 267,248. Registered Feb. 18, 1930. THE DETROIT BORING BAR COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.



FOR EXPANSION-CUTTER BORING BARS, REAMER BARS, COUNTERBORES, BARS FOR CORE DRILLING, MULTIPLE-CUTTER MILLING HEADS, AND CUTTERS FOR FACING.
Claims use since about Mar. 26, 1929.

Reg. No. 269,292. Registered Apr. 1, 1930. GLOBE MACHINERY & SUPPLY COMPANY, Des Moines, Iowa. Republished by Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa.

GLOBE Auto HOIST

The words "Auto Hoist" are disclaimed apart from the mark as shown.
FOR AUTOMOBILE HOIST.
Claims use since on or about Aug. 31, 1929.

Reg. No 281,766. Registered Mar. 31, 1931. BLACKHAWK MFG. CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Treasure Chest

FOR SETS OF TOOLS CONSISTING OF WRENCHES AND PARTS THEREOF WHICH INCLUDE SOCKETS, OBSTRUCTION OFFSET, GRIP HANDLES, EXTENSION BARS, RATCHETS, SPEEDER, HANDLE BARS, EXTENSION T'S, HINGED OFFSET, UNIVERSAL JOINTS, DRAG LINKS, SLIDING OFFSET, RELEASE TOOL, BRACES, SCREW DRIVERS, AND SHORT BOX WRENCHES.
Claims use since Mar. 31, 1930.

Reg. No. 326,570. Registered July 30, 1935. PROPORTIONEERS, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

TRĒT-O-METER

The word "Meter" is disclaimed apart from the mark as shown
FOR PROPORTIONING APPARATUS FOR FEEDING LIQUIDS SUCH AS REAGENTS, OR TREATING SUBSTANCES.
Claims use since Mar. 22, 1932.

Reg. No. 332,182. Registered Feb. 4, 1936. CLUB RAZOR & BLADE MFG. CORP., Newark, N. J., a corporation of New Jersey. Republished by registrants.



FOR RAZOR BLADES.
Claims use since Aug. 15, 1935.

Reg. No 348,419. Registered July 27, 1937. BLACKHAWK MFG. CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Flex-Head

The word "Head" is disclaimed apart from the mark as shown.
FOR HEADS FOR MECHANICAL AND HYDRAULIC JACKS.
Claims use since Oct. 28, 1936.

Reg. No. 356,075. Registered Apr. 12, 1938. NATIONAL BROACH & MACHINE CO., Detroit, Mich., a corporation of Michigan. Republished by registrant.



The drawing is lined for the color red.
FOR GEAR MANUFACTURING EQUIPMENT—NAMELY, MACHINES FOR FINISHING, SHAVING, LAPPING, AND CHECKING GEARS; BROACHING TOOLS AND MACHINES, SPLINE GRINDERS; FLAT SEAL FACE GRINDING MACHINES; GEAR TOOTH FORM GRINDERS; GEAR TOOTH SHAPER CUTTERS, FORM AND SHAVING TOOLS FOR GEARS, LAPPING TOOLS, AND HOLDERS THEREFOR.
Claims use since on or about Apr. 26, 1924.

Reg. No. 357,833. Registered June 14, 1938. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

NOERA

FOR HAND-OPERATED OILERS, OIL GUNS, GREASE GUNS, AND TIRE PUMPS.
Claims use since 1874.

Reg. No. 385,917. Registered Mar. 25, 1941. GLOBE HOIST COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

GLOBE GEARED

The word "Geared" is disclaimed apart from the mark as shown.
FOR AUTOMOBILE HOISTS OF THE CLASS OPERATED FOR LIFTING ENTIRE AUTOMOBILES FOR PURPOSE OF SERVICING THEM FROM A FLOOR LEVEL OPERATED HYDRAULICALLY AND ELECTRICALLY.
Claims use since Apr. 15, 1936.

Reg. No. 391,635. Registered Nov. 18, 1941. GLOBE HOIST COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

LUBRICATING ACTIONIZER

The word "Lubricating" is disclaimed apart from the mark as shown.
FOR HYDRAULIC LIFTS OF THE TYPE USED IN THE RAISING OF AUTOMOBILES FOR LUBRICATION AND SERVICING PURPOSES.
Claims use since May 12, 1941.

Reg. No. 397,446. Registered Sept. 8, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR BRONZE AND BRASS BUSHINGS, COPPER HAMMER HEADS, COPPER SOLDERING TOOLS, ICE TONGS FOR HOUSEHOLD USE, BASE METAL CHEESE KNIVES, BASE METAL SERVING FORKS AND SPOONS, BOTTLE OPENERS, BRONZE BOAT SHAFTING, NUT CRACKERS, HAND-OPERATED OILERS, HAND-OPERATED OIL GUNS, GREASE GUNS, TIRE PUMPS, FOOTBALL INFLATORS, AND HACK SAW BLADES.
Claims use since Jan. 24, 1930.

Reg. No. 404,753. Registered Dec. 21, 1943. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Brake Shoe

FOR COMPOSITION BEARINGS, MACHINERY SHAFT COUPLINGS; SLIDES FOR USE WITH RECIPROCATING PARTS OF MACHINERY, ON ELEVATORS AND THE LIKE; FLANGED AND TAPERED AXLES; DREDGING AND INDUSTRIAL MATERIAL HANDLING PUMPS; PLACER DREDGE BUCKETS; POWER SHOVEL DIPPERS; BAR, CRANE, GEAR, SHEAVE AND SPROCKET WHEELS; ELEVATOR AND CONVEYOR CHAINS; GEARS; AIR COMPRESSORS; MOTOR DRIVEN AIR COMPRESSOR UNITS; AIR CONTROLLED LIFTS; AIR COMPRESSOR UNLOADERS; SPRAY AND WASHING GUNS; REGULATING VALVES AND AIR FILTERS FOR USE WITH SPRAY GUNS; ROTARY SHAFT SEALS; CAR WASHERS; RAILROAD SWITCHES; RAIL LUBRICATORS; SWITCH STANDS; AND SWITCH POINT LOCKS.
Claims use since on or about Apr. 22, 1943.

Reg. No. 410,488. Registered Nov. 28, 1944. ROTO PLOW COMPANY, Mound, Minn., a corporation of Minnesota. Republished by registrant.

ROTO PLOW

The term "Plow" is disclaimed apart from the mark as shown.
FOR SNOW PLOW.
Claims use since Mar. 14, 1944.

Reg. No. 416,408. Registered Sept. 11, 1945. PROPORTIONEERS, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.



FOR PROPORTIONING PUMPS, PARTS THEREOF, AND BASES THEREFOR.
Claims use since March 1944.

Reg. No. 416,767. Registered Sept. 25, 1945. CLUB RAZOR & BLADE MFG. CORP., Newark, N. J., a corporation of New Jersey. Republished by registrant.

Professor

FOR RAZOR BLADES.
Claims use since Nov. 25, 1944.

Ser. No. 423,512. Registered Sept. 3, 1946. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

RACOR

FOR RAIL LUBRICATORS OF THE RAILROAD RAIL AND WHEEL FLANGE LUBRICATING TYPE AND SWITCH POINT LOCKS.
Claims use since on or about Nov. 25, 1927.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 160,269. Registered Oct. 17, 1922. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y. Republished by Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware.

PIONEER

FOR COMPASSES, BANKING INDICATORS, TURN INDICATORS, PITCHING INDICATORS, AIR-SPEED INDICATORS, AIR DISTANCE RECORDERS, PITOT TUBES, VENTURI TUBES, ALTIMETERS, RATE-OF-CLIMB INDICATORS, VERTIMETERS, GASOLINE GAUGES, MANOMETERS, DRIFT INDICATORS, TACHOMETERS, INCLINOMETERS, AND COURSE AND DISTANCE INDICATORS.
Claims use since Mar. 1, 1919.

Reg. No. 213,616. Registered June 1, 1926. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y. Republished by Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware.

PIONEER

FOR AIRCRAFT SPEED AND DISTANCE INDICATORS, ELECTRIC TURN INDICATORS, ELECTRIC PITCH INDICATORS, ELECTRIC COMPASSES, EARTH INDUCTOR COMPASSES, TACHOMETER SYSTEMS, ELECTRIC TACHOMETER SYSTEMS, TELEMETRIC APPARATUS, ELECTRIC AIRCRAFT SPEED AND DISTANCE INDICATORS, ACCELEROMETERS, AIR SPEED RECORDERS, BAROGRAPRS, FLIGHT INDICATORS, FUEL-FLOW INDICATORS AND SEXTANTS.
Claims use since Mar. 1, 1919.

Reg. No. 288,183. Registered Oct. 20, 1931. PIONEER INSTRUMENT COMPANY, INCORPORATED, Brooklyn, N. Y. Republished by Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware.

PIONEER

FOR OIL GAUGES.
Claims use since May 5, 1931.

Reg. No. 353,142. Registered Dec. 28, 1937. CHEMCO PHOTOPRODUCTS COMPANY, Glen Cove and New York, N. Y. Republished by Chemco Photoproducts Company, Inc., Glen Cove, N. Y., a corporation of New York.

CHEMCO

FOR STRIP-FILM CAMERAS, STRIPPING CABINETS, ETCHING MACHINES, STOVE COOLERS, AUTOMATIC WHIRLERS, DEVELOPMENT TANKS, SCALING DEVICES, VIEWING LIGHT BOXES, THERMOSTATIC CONTROL SETS FOR DARK ROOMS, WET PLATE COOLERS, DRY PLATE COOLERS, AND POWDER BOXES.
Claims use since Jan. 1, 1920.

Reg. No. 356,075. Registered Apr. 12, 1938. NATIONAL BROACH & MACHINE CO., Detroit, Mich., a corporation of Michigan. Republished by registrant.



The drawing is lined for the color red.
FOR GEAR MANUFACTURING EQUIPMENT—NAMELY, MACHINES FOR FINISHING, SHAVING, LAPPING, AND CHECKING GEARS; BROACHING TOOLS AND MACHINES, SPLINE GRINDERS; FLAT SEAL FACE GRINDING MACHINES; GEAR TOOTH FORM GRINDERS; GEAR TOOTH SHAPER CUTTERS, FORM AND SHAVING TOOLS FOR GEARS, LAPPING TOOLS, AND HOLDERS THEREFOR.
Claims use since on or about Apr. 26, 1924.

Reg. No. 360,099. Registered Sept. 6, 1938. BUILDERS IRON FOUNDRY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.



The word "Builders" is disclaimed apart from the mark as shown.
FOR FLUID FLOW METERING NOZZLES.
Claims use since Apr. 5, 1938.

Reg. No. 396,990. Registered Aug. 11, 1942. BENDIX AVIATION CORPORATION, Bendix, N. J., a corporation of Delaware. Republished by registrant, present address Teterboro, N. J.

MAGNESYN

FOR REMOTE INDICATING MAGNETIC COMPASSES, AND OTHER REMOTE INDICATING INSTRUMENTS OF THE TELEMETRIC TYPE BY MEANS OF WHICH A FUNCTION IS MEASURED AT ONE POINT AND TRANSMITTED TO AND INDICATED AT ANOTHER AND REMOTE POINT—NAMELY, REMOTE INDICATING ACCELEROMETERS, AIRSPEED INDICATORS, ALTIMETERS, RATE OF CLIMB INDICATORS, FLOW METERS, FUEL LEVEL GAUGES, FUEL PRESSURE GAUGES, LANDING WHEEL AND FLAP POSITION INDICATORS, MANIFOLD PRESSURE GAUGES, OIL PRESSURE GAUGES, SUCTION GAUGES, TACHOMETERS, AND TURN OR RATE OF TURN INDICATORS.
Claims use since Jan. 15, 1941.

Reg. No. 398,779. Registered Nov. 24, 1942. BENDIX AVIATION CORPORATION, Bendix, N. J., a corporation of Delaware. Republished by registrant, present address Teterboro, N. J.

GYRO FLUX GATE

The word "Gyro" is disclaimed apart from the mark as shown.
FOR GYROSCOPICALLY STABILIZED EARTH INDUCTOR COMPASSES.
Claims use since Nov. 21, 1941.

Reg. No. 400,946. Registered Apr. 13, 1943. INDUSTRIAL ELECTRONICS CORPORATION, Newark, N. J., a corporation of New Jersey. Republished by registrant.



The words "Industrial" and "Electronic" are disclaimed apart from the mark as shown.
FOR INCANDESCENT, FLUORESCENT, SHORT WAVE, AND ULTRA VIOLET LAMPS FOR USE IN AIRPLANE DETECTION, MEAT TENDERIZING, AND ILLUMINATION, AND FOR THE ASSOCIATED CONTROL EQUIPMENT INCLUDING ELECTRICALLY AND MANUALLY OPERATED BALLAST, RHEOSTAT, AND TRANSFORMER.
Claims use since July 8, 1942.

Reg. No. 402,424. Registered July 20, 1943. MACALASTER BICKNELL COMPANY, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.



FOR LABORATORY, EXPERIMENTAL, HOSPITAL, CLINICAL, CHEMICAL, AND SCIENTIFIC GLASSWARE.
Claims use since on or about Dec. 14, 1942.

Reg. No. 416,408. Registered Sept. 11, 1945. PROPORTIONEERS, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.



FOR PROPORTIONING PUMPS, PARTS THEREOF, AND BASES THEREFOR.
Claims use since March 1944.

Reg. No. 433,318. Registered Oct. 7, 1947. BELL & HOWELL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

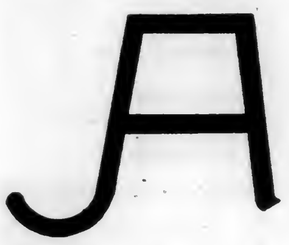
Tru-Pan

The word "Tru-" is disclaimed apart from the mark as shown.
FOR TRIPODS FOR PHOTOGRAPHIC CAMERAS.
Claims use since July 7, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 240,017. Registered Mar. 20, 1928. JUERGENS & ANDERSEN COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR MANUFACTURED JEWELRY FOR PERSONAL WEAR OTHER THAN WATCHES.
Claims use since 1907.

Reg. No. 422,947. Registered Aug. 20, 1946. R. M. JORDAN AND COMPANY, Providence, R. I. Republished by R. M. Jordan and Company, Inc., Providence, R. I., a corporation of Rhode Island.



FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES.
Claims use since December 1944.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 124,146. Registered Jan. 14, 1919. ABRAHAM D. RADINSKY, Denver, Colo. Republished by A. D. Radinsky & Sons, Denver, Colo., a firm.



FOR WIPING RAGS FOR MACHINERY AND THE LIKE.
Claims use since June 1, 1914.

Reg. No. 124,147. Registered Jan. 14, 1919. ABRAHAM D. RADINSKY, Denver, Colo. Republished by A. D. Radinsky & Sons, Denver, Colo., a firm.

RED STAR

FOR WIPING RAGS FOR MACHINERY AND THE LIKE.
Claims use since June 1, 1914.

Reg. No. 395,235. Registered May 19, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR WHISK BROOMS, CLOTHES, AND HAIR BRUSHES.
Claims use since Aug. 17, 1939.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 366,730. Registered Apr. 25, 1939. COLVIN-TEMPLETON, INC., San Francisco, Calif., a corporation of California. Republished by registrant.

COL TEMP

FOR REFRIGERATING APPARATUS.
Claims use since Feb. 1, 1936.

Reg. No. 404,753. Registered Dec. 21, 1943. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Brake Shoe

FOR COMPOSITION BEARINGS, MACHINERY SHAFT COUPLINGS; SLIDES FOR USE WITH RECIPROCATING PARTS OF MACHINERY, ON ELEVATORS AND THE LIKE; FLANGED AND TAPERED AXLES; DREDGING AND INDUSTRIAL MATERIAL HANDLING PUMPS; PLACER DREDGE BUCKETS; POWER SHOVEL DIPPERS; BAR, CRANE, GEAR, SHEAVE AND SPROCKET WHEELS; ELEVATOR AND CONVEYOR CHAINS; GEARS; AIR COMPRESSORS; MOTOR DRIVEN AIR COMPRESSOR UNITS; AIR CONTROLLED LIFTS; AIR COMPRESSOR UNLOADERS; SPRAY AND WASHING GUNS; REGULATING VALVES AND AIR FILTERS FOR USE WITH SPRAY GUNS; ROTARY SHAFT SEALS; CAR WASHERS; RAILROAD SWITCHES; RAIL LUBRICATORS; SWITCH STANDS; AND SWITCH POINT LOCKS.
Claims use since on or about Apr. 22, 1943.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 241,344. Registered Apr. 24, 1928. JOHN SCHROEDER LUMBER CO., Milwaukee, Wis. Republished by Playskool Manufacturing Company, Chicago, Ill., a corporation of Illinois.

PLAYSKOOL

FOR FOLDING DESK TABLES.
Claims use since Nov. 17, 1927.

Reg. No. 321,428. Registered Feb. 5, 1935. SAMUEL S. BERNSTEIN, Los Angeles, Calif. Republished by registrant.

CABLE-EZE

FOR BOTTOM REENFORCING STRUCTURE FOR UPHOLSTERED FURNITURE, AND FOR UPHOLSTERED FURNITURE EQUIPPED WITH SUCH REENFORCING STRUCTURE—NAMELY, CHAIRS, DAVENPORTS, AND BEDS.
Claims use since Oct. 5, 1934.

Reg. No. 322,436. Registered Mar. 5, 1935. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

SPONGEX

FOR CHAIR CUSHIONS, AUTOMOBILE SEAT CUSHIONS, CUSHION FILLERS MADE OF RUBBER, AND BATH PILLOWS.
Claims use since on or about Feb. 11, 1932.

Reg. No. 377,727. Registered May 14, 1940. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio, a corporation of Ohio. Republished by registrant.

Luxury

FOR CHAIR CUSHIONS.
Claims use since July 27, 1939.

Reg. No. 406,631. Registered Apr. 11, 1944. MORRIS MILLER, doing business as Bancroft-Rellim Co., Boston, Mass. Republished by Bancroft-Rellim Corp., Boston, Mass., a corporation of Massachusetts.

BABY-REALM

FOR HIGH CHAIR PADS AND PLAY YARD PADS MADE OF TEXTILE MATERIALS OR OF RUBBER-LIKE MATERIALS COMBINED WITH TEXTILE MATERIALS.
Claims use since Dec. 2, 1943.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 175,033. Registered Oct. 30, 1923. THE DONLEY BROTHERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DONLEY DEVICES

The word "Devices" is disclaimed apart from the mark as shown.
FOR FIREPLACE DAMPERS AND OPERATING MEANS THEREFOR, FIREPLACE BASKETS AND GRATES, RUBBISH BURNERS, AND SALAMANDERS.
Claims use since Nov. 29, 1919.

Reg. No. 214,104. Registered June 15, 1926. PITTSBURG WATER HEATER COMPANY, Pittsburgh, Pa. Republished by The Pittsburg Water Heater Corporation, Pittsburgh, Pa., a corporation of Pennsylvania.

DIAMOND

FOR GAS HOT-WATER HEATERS AND GAS HOT-WATER STORAGE SYSTEMS.
Claims use since Mar. 1, 1924.

Reg. No. 385,001. Registered Feb. 11, 1941. HESS WARMING & VENTILATING COMPANY, Chicago, Ill. Republished by The Hess Company, Chicago, Ill., a corporation of Illinois.

CLIMATE MASTER

FOR COAL, COKE, OIL AND GAS BURNERS AND FURNACES FOR HEATING PURPOSES.
Claims use since Aug. 17, 1931.

Reg. No. 397,406. Registered Sept. 8, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR PYROPHORIC CIGAR LIGHTERS, CANDLESTICKS, CONDENSER TUBES.
Claims use since Oct. 11, 1932.

Reg. No. 398,429. Registered Oct. 27, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR RELISH AND JAM SETS HAVING A BASE-METAL TRAY; COMPRESSION FITTINGS FOR AUTOMOBILE FUEL LINES; BRASS AND COPPER TUBING FOR AUTOMOBILE FUEL LINES; PARTS FOR RADIATOR VALVES; WIRE SCREEN CLOTH; DOOR PULLS; KICK PLATES; DOOR PUSH BARS; FLOOR DIVIDING STRIPS; DOOR SADDLES; DOOR PUSH PLATES; RIDGE ROLL CLIPS; TUBULAR HEADERS OR PIPE MANIFOLDS; FINNED TUBING FOR HEAT EXCHANGERS; OIL-BURNER TUBING; AND FLARED FITTINGS FOR OIL-BURNER TUBING—NAMELY, ADAPTERS, BUSHINGS, CAPS, CROSSES, ELBOWS, PLUGS, RETURN-BENDS, SLEEVE-NUTS, T'S, AND UNIONS.
Claims use since Jan. 10, 1930.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 356,532. Registered May 3, 1938. TRU-FLEX RUBBER PRODUCTS COMPANY, Los Angeles, Calif., a corportion of California. Republished by registrant.

TRU-FLEX

FOR TIRE REPAIR PATCHES.
Claims use since Dec. 2, 1936.

Reg. No. 404,753. Registered Dec. 21, 1943. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

Brake Shoe

FOR COMPOSITION BEARINGS, MACHINERY SHAFT COUPLINGS; SLIDES FOR USE WITH RECIPROCATING PARTS OF MACHINERY, ON ELEVATORS AND THE LIKE; FLANGED AND TAPERED AXLES; DREDGING AND INDUSTRIAL MATERIAL HANDLING PUMPS; PLACER DREDGE BUCKETS; POWER SHOVEL DIPPERS; BAR, CRANE, GEAR, SHEAVE AND SPROCKET WHEELS; ELEVATOR AND CONVEYOR CHAINS; GEARS; AIR COMPRESSORS; MOTOR DRIVEN AIR COMPRESSOR UNITS; AIR CONTROLLED LIFTS; AIR COMPRESSOR UN-

LOADERS; SPRAY AND WASHING GUNS; REGULATING VALVES AND AIR FILTERS FOR USE WITH SPRAY GUNS; ROTARY SHAFT SEALS; CAR WASHERS; RAILROAD SWITCHES; RAIL LUBRICATORS; SWITCH STANDS; AND SWITCH POINT LOCKS.
Claims use since on or about Apr. 22, 1943.

CLASS 37

PAPER AND STATIONERY

Reg. No. 65,482. Registered Oct. 8, 1907. J. W. BUTLER PAPER CO., Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

POLICY BOND

FOR WRITING PAPER.
Claims use since 1894.

Reg. No. 65,484. Registered Oct. 8, 1907. J. W. BUTLER PAPER CO., Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

SCRIPTUM LEDGER

FOR WRITING PAPER.
Claims use since 1905.

Reg. No. 68,669. Registered Apr. 21, 1908. J. W. BUTLER PAPER CO., Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

VOUCHER BOND

FOR WRITING PAPER.
Claims use since 1901.

Reg. No. 73,561. Registered Apr. 27, 1909. ESLEECK MANUFACTURING CO., Turners Falls, Mass., a corporation of Massachusetts. Republished by registrant.

COLLATERAL

FOR WRITING PAPER.
Claims use since Feb. 1, 1902.

Reg. No. 77,469. Registered Apr. 12, 1910. J. W. BUTLER PAPER COMPANY, Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

Snowflake

FOR BOOK-PAPER.
Claims use since 1899.

Reg. No. 83,564. Registered Sept. 26, 1911. EBERHARD FABER, Brooklyn, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

UNION

FOR LEAD PENCILS AND RUBBER ERASERS.
Claims use since 1861.

Reg. No. 86,523. Registered May 14, 1912. A. W. FABER, Stein, Germany. Republished by A. W. Faber-Castell Pencil Co., Inc., Newark, N. J., a corporation of New Jersey.

A.W. FABER "CASTELL"

The name "A. W. Faber" is disclaimed apart from the mark as shown.
FOR PENCIL HOLDERS, LEAD PENCILS, SCREW PENCILS, LEAD PENCIL FILES, COLORED PENCILS, CRAYON PENCILS, ARTISTS' CRAYONS, COPYING PENCILS, FOUNTAIN PENS, CHALK, CHALK-HOLDERS, WRITING SLATES, SLATE PENCILS, RUBBER ERASERS, NOTE-BOOKS, RUBBER BANDS, CROSS-SECTION PAPER, PAPER-CUTTERS, PENHOLDERS, HAND-BLOTTERS, ARTISTS' STUMPS, AND RULERS.
Claims use since Dec. 3, 1910.

Reg. No. 102,396. Registered Feb. 9, 1915. EBERHARD FABER, New York, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

VAN DYKE

FOR LEAD PENCILS.
Claims use since Jan. 1, 1895.

Reg. No. 125,921. Registered July 8, 1919. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

Warren's

The vertical lines do not designate color but are employed to distinctively display the name "Warren's."
FOR PRINTING PAPER.
Claims use since about Apr. 1, 1917.

Reg. No. 128,687. Registered Jan. 13, 1920. ESLEECK MANUFACTURING CO., Turners Falls, Mass., a corporation of Massachusetts. Republished by registrant.

RECORDER

The drawing is lined for shading only.
FOR BOND-PAPER FOR WRITING PURPOSES, CORRESPONDENCE, NON-CARBONIZED TYPEWRITER PAPER AND MANIFOLD WRITING-PAPERS AND ONION-SKIN PAPERS.
Claims use since Oct. 31, 1908.

Reg. No. 137,217. Registered Nov. 23, 1920. EBERHARD FABER, Brooklyn, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

1080

TEN-EIGHTY

FOR ERASERS OF RUBBER OR OF RUBBER COMPOSITION.
Claims use since 1894.

Reg. No. 139,136. Registered Jan. 25, 1921. EBERHARD FABER, Brooklyn, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

HEXAROUND

FOR ORDINARY LEAD PENCILS, MAGAZINE AND AUTOMATIC LEAD PENCILS.
Claims use since 1913.

Reg. No. 148,305. Registered Nov. 8, 1921. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts Republished by registrant.

LUSTRO

FOR PRINTING PAPER.
Claims use since about Jan. 1, 1909.

Reg. No. 232,817. Registered Sept. 20, 1927. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

SIGNAL

FOR LEAD PENCILS.
Claims use since Jan. 15, 1914.

Reg. No. 261,099. Registered Sept 3, 1929. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Republished by registrant.

Ⓓ Ditto Pencilform

The word "Pencilform" forms a part of the registration sought only in association with the other features of the mark shown.
FOR PAPER FOR STATIONERY USE FOR BUSINESS FORMS PRINTED WITH STANDARD BUSINESS INK AND ALSO PRINTED WITH DUPLICATING-MACHINE OR HECTOGRAPH INK AND FOR USE IN RUNNING DUPLICATING-MACHINE COPIES FROM TYPEWRITTEN ORIGINALS AND DUPLICATING-MACHINE OR HECTOGRAPH ORIGINALS.
Claims use since March 1927.

Reg. No. 280,845. Registered Mar. 3, 1931. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Colorbrite

FOR RUBBER BANDS AND ERASERS.
Claims use since Aug 1, 1930.

Reg. No. 282,941. Registered May 5, 1931. WHEELER PAPER CORPORATION, Albany, N. Y., a corporation of New York. Republished by registrant.

WHEELER PAPER CORPORATION ALBANY N.Y.

The word and abbreviation "Albany, N. Y." are disclaimed apart from the mark as shown.
FOR TOILET PAPER.
Claims use since Nov. 13, 1930.

Reg. No. 283,447. Registered May 26, 1931. ROCKWELL-BARNES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BONWOVE MIMEO

The term "Mimeo" is disclaimed apart from the mark as shown.
FOR WRITING PAPER.
Claims use since Jan. 5, 1929.

Reg. No. 290,314. Registered Jan. 5, 1932. WHEELER PAPER CORPORATION, Albany, N. Y., a corporation of New York. Republished by registrant

LEGION

FOR TOILET PAPER.
Claims use since July 18, 1931.

Reg. No. 291,914. Registered Feb. 23, 1932. WHEELER PAPER CORPORATION, Albany, N. Y., a corporation of New York. Republished by registrant.

DRYMOR

FOR PAPER TOWELS.
Claims use since May 21, 1931.

Reg. No. 296,015. Registered July 19, 1932. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

MICROTOMIC

FOR LEAD PENCILS.
Claims use since Mar. 11, 1932.

Reg. No. 353,788. Registered Jan. 18, 1938. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

"COMPLASTIC"

FOR LEAD PENCILS.
Claims use since June 15, 1937.

Reg. No. 365,550. Registered Mar. 14, 1939. SHELLMAR PRODUCTS COMPANY, Chicago, Ill. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

SHELL-PAKIT

The word "Pakit" is disclaimed apart from the mark as shown.
FOR TRANSPARENT WRAPPERS.
Claims use since Jan. 29, 1938.

Reg. No. 393,535. Registered Feb. 17, 1942. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Republished by Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware.

SHELL-GLO

FOR LAMINATED WRAPPERS.
Claims use since October 1938.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 109,348. Registered Apr. 4, 1916. INTERNATIONAL HARVESTER COMPANY OF AMERICA, Chicago, Ill. Republished by International Harvester Company, Chicago, Ill., a corporation of New Jersey.

TRACTOR FARMING

FOR MONTHLY PERIODICAL.
Claims use since Nov. 1, 1915.

Reg. No. 159,425. Registered Sept. 26, 1922. MCLOUGHLIN BROS., INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

YOUNG FOLKS STANDARD LIBRARY

FOR BOOKS IN A CONTINUING SERIES.
Claims use since July 1, 1908.

Reg. No. 189,930. Registered Sept. 30, 1924. EARNSHAW SALES COMPANY, Chicago, Ill. Republished by Earnshaw Publications, Inc., Newton, Mass., a corporation of Massachusetts.

MOTHER HELPS

FOR A MAGAZINE PUBLISHED MONTHLY.
Claims use since about Sept. 1, 1923.

Reg. No. 189,931. Registered Sept. 30, 1924. EARNSHAW SALES COMPANY, Chicago, Ill. Republished by Earnshaw Publications, Inc., Newton, Mass., a corporation of Massachusetts.

The INFANTS' & CHILDREN'S DEPARTMENT

FOR A MAGAZINE PUBLISHED MONTHLY.
Claims use since about Jan. 1, 1923.

Reg. No. 214,158. Registered June 15, 1926. EARNSHAW SALES COMPANY, Chicago, Ill. Republished by Earnshaw Publications, Inc., Newton, Mass., a corporation of Massachusetts.

GIRLS' & JUNIORS' WEAR

FOR MAGAZINE PUBLISHED MONTHLY.
Claims use since on or about Jan. 15, 1926.

Reg. No. 342,090. Registered Jan. 5, 1937. FARKAS BROS. INC., Chicago, Ill. Republished by X-Ray Visual Sales Method, Inc., Chicago, Ill., a corporation of Illinois.

X-RAY

The representation of the goods is disclaimed apart from the mark as shown.
FOR ILLUSTRATING BOOKS, CATALOGS, AND ADVERTISING DISPLAYS FOR SALES AND EDUCATIONAL PURPOSES, SOLD AS SUCH IN THE TRADE.
Claims use since Jan. 20, 1936.

Reg. No. 349,372. Registered Aug. 24, 1937. AUGSBURG PUBLISHING HOUSE, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

Christmas

An American Annual of Christmas Literature & Art

The phrase "An American Annual of Christmas Literature & Art" is disclaimed apart from the mark as shown.
FOR PUBLICATION—NAMELY, AN ANNUAL "CHRISTMAS."
Claims use since on or about Dec. 1, 1931.

Reg. No. 359,288. Registered Aug. 9, 1938. EARNSHAW PUBLICATIONS, INC., Newton, Mass., a corporation of Massachusetts. Republished by registrant.

TEEN AGE

FOR BUYER'S GUIDE OR DIRECTORY PUBLISHED SEMI-ANNUALLY.
Claims use since about Feb. 26, 1938.

Reg. No 367,604. Registered May 23, 1939. BRYAN DAVIS PUBLISHING COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

TELEVISION ENGINEERING

FOR MONTHLY PUBLICATION DEVOTED TO TELEVISION AND THE LIKE.
Claims use since Nov. 30, 1938.

Reg. No. 377,564. Registered May 7, 1940. HEARST CONSOLIDATED PUBLICATIONS, INC., Baltimore, Md., a corporation of Delaware. Republished by registrant.

BALTIMORE THE NEWS-POST

The word "Baltimore" is disclaimed apart from the mark as shown.
FOR DAILY NEWSPAPER.
Claims use since Jan. 13, 1936.

Reg. No. 382,748. Registered Nov. 12, 1940. EARNSHAW PUBLICATIONS, INC., Newton, Mass., a corporation of Massachusetts. Republished by registrant.

Earnshaw's

FOR MAGAZINE PUBLISHED MONTHLY.
Claims use since January 1935.

Reg. No. 385,778. Registered Mar. 18, 1941. JACOB SAPIRSTEIN, Cleveland, Ohio. Republished by American Greeting Publishers Inc., Cleveland, Ohio, a corporation of Ohio.

FORGET-ME-NOT Greeting Cards

The words "Greeting Cards" are disclaimed apart from the mark as shown
FOR GREETING CARDS.
Claims use since Mar. 1, 1940.

CLASS 39

CLOTHING

Reg. No. 45,528. Registered Aug. 22, 1905. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Printzess

DISTINCTION IN DRESS.

FOR LADIES' AND MISSES' JACKETS, SUITS, CAPES, DRESSES, DRESS SKIRTS, AND WAISTS.
Claims use since Aug. 1, 1900.

Reg No. 66,155. Registered Nov. 12, 1907. L. GREIF & BRO., Baltimore, Md. Republished by L. Greif & Bro., Inc., Baltimore, Md., a corporation of Maryland.

GRIFFON BRAND

FOR MEN'S, BOYS', YOUTHS', AND CHILDREN'S COATS, VESTS, AND TROUSERS, RAINCOATS, AND OVERCOATS.
Claims use since February 1892.

Reg. No. 85,338. Registered Feb. 13, 1912. EVA O. FARNSWORTH, New York, N. Y. Republished by Rhythm Lingerie, Inc., New York, N. Y., a corporation of New York.

Patricia

FOR UNDERWEAR IN THE NATURE OF A COMBINATION SKIRT AND DRAWERS MADE AS A SINGLE GARMENT OF TEXTILE FABRIC.
Claims use since on or about Aug. 1, 1911.

Reg. No. 108,049. Registered Jan. 11, 1916. L. GREIF & BRO., Baltimore, Md. Republished by L. Greif & Bro., Inc., Baltimore, Md., a corporation of Maryland.

Zefirette

FOR MEN'S AND BOYS' COATS, VESTS, AND TROUSERS
Claims use since June 21, 1915.

Reg. No. 127,388. Registered Nov. 11, 1919. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Republished by registrant.

ERCO

FOR RUBBER AND COMPOSITION SOLES AND HEELS.
Claims use since about the middle of June 1918.

Reg. No. 148,830. Registered Nov. 29, 1921. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Republished by registrant.

HIKER

FOR RUBBER AND COMPOSITION SOLES AND HEELS.
Claims use since about Apr. 10, 1920.

Reg. No. 154,573. Registered Apr. 18, 1922. HEWES & POTTER, Boston, Mass. Republished by Hewes & Potter, Inc., Boston, Mass., a corporation of Massachusetts.

SPUR

FOR BOW NECKTIES.
Claims use since Mar. 31, 1921.

Reg. No. 157,052. Registered July 25, 1922. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Republished by registrant.

WEARITE

FOR RUBBER SOLES.
Claims use since Jan. 31, 1918.

Reg. No. 179,009. Registered Feb. 5, 1924. SIMON ACKERMAN, New York, N. Y. Republished by Simon Ackerman Clothes, Inc., New York, N. Y., a corporation of New York.

Velvora

FOR MEN'S CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, AND TROUSERS.
Claims use since Feb. 1, 1923.

Reg. No. 179,010. Registered Feb. 25, 1924. SIMON ACKERMAN, New York, N. Y. Republished by Simon Ackerman Clothes, Inc., New York, N. Y., a corporation of New York.

Ackvelva

FOR MEN'S CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, AND TROUSERS.
Claims use since Feb. 1, 1923.

Reg. No. 196,674. Registered Mar. 24, 1925. SIMON ACKERMAN CLOTHES, INC., New York, N. Y. Republished by Simon Ackerman Clothes, Inc. (1941), New York, N. Y., a corporation of New York.

Simon Ackerman INCORPORATED CLOTHES

The words "Incorporated" and "Clothes" are disclaimed apart from the mark as shown. The lining in the drawing is for shading only.
FOR MEN'S SUITS AND TOPCOATS.
Claims use since 1919.

Reg. No. 208,587. Registered Feb. 2, 1926. PAUL LOWIN, doing business as Durite Hosiery Co., New York, N. Y. Republished by registrant.

Durite

FOR HOSIERY.
Claims use since June 8, 1924.

Reg. No. 208,588. Registered Feb. 2, 1926. MAURICE LOWIN, doing business as Morwin Hosiery Co., New York, N. Y. Republished by registrant.

MORWIN

FOR HOSIERY.
Claims use since Dec. 19, 1923.

Reg. No. 215,086. Registered July 13, 1926. THE DRY GOODS ALLIANCE, INC., New York, N. Y. Republished by Dry Goods Alliance, Inc., New York, N. Y., a corporation of New York.

Lion

FOR HOSIERY.
Claims use since January 1903.

Reg. No. 220,479. Registered Nov. 9, 1926. SYNDICATE TRADING CO., New York, N. Y. Republished by Syndicate-Arkwright Trading Co., Inc., New York, N. Y., a corporation of New York.

MADORA

FOR HOSIERY.
Claims use since July 1926.

Reg. No. 228,713. Registered June 7, 1927. SIMON ACKERMAN CLOTHES, INC., New York, N. Y. Republished by Simon Ackerman Clothes, Inc. (1941), New York, N. Y., a corporation of New York, N. Y.



The word "Clothes" is disclaimed apart from the mark as shown.
FOR MEN'S AND YOUNG MEN'S COATS, VESTS, TROUSERS, AND OVERCOATS.
Claims use since June 1926.

Reg. No. 237,827. Registered Jan. 17, 1928. ELLIOTT KNITTING MILLS, INC., Hickory, N. C., a corporation of North Carolina. Republished by registrant.

Serve-Well

FOR HOSIERY.
Claims use since Jan. 12, 1912.

Reg. No. 246,437. Registered Sept. 4, 1928. BEAR BRAND HOSIERY CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOREMAN

FOR HOSIERY.
Claims use since Feb. 27, 1928.

Reg. No. 247,463. Registered Sept. 25, 1928. S. GINSBERG SONS, Baltimore, Md., a firm. Republished by registrant.

Calvert Clothes SGS

The words "Calvert Clothes" are disclaimed apart from the mark as shown.
FOR MEN'S AND BOYS' CLOTHING—NAMELY, COATS, PANTS, VESTS, AND OVERCOATS.
Claims use since January 1922.

Reg. No. 248,742. Registered Oct. 30, 1928. BEAR BRAND HOSIERY CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

ENCHANTRESS

FOR HOSIERY.
Claims use since June 6, 1928.

Reg. No. 272,007. Registered June 24, 1936. SAXONE SHOE CO. LIMITED, Kilmarnock, Scotland, a limited liability company of Great Britain. Republished by registrant.

SAXONE

FOR LEATHER BOOTS AND SHOES WITH UPPERS WHOLLY OR MAINLY OF LEATHER, SOLES WHOLLY OF LEATHER OR ALTERNATIVE SOLING MATERIALS, INCLUDING RUBBER SOLES.
Claims use since Jan. 26, 1911.

Reg. No. 278,206. Registered Dec. 9, 1930. HARRY RAGOVIN, New York, N. Y. Republished by The McKay Products Corporation, Baltimore, Md., a corporation of Maryland.

"H.R. SAUCY-SUE"

FOR VESTS, CHEMISES, STEPINS IN THE NATURE OF DRAWERS, SLIPS, PETTICOATS, BLOOMERS, AND A COMBINATION UNDERGARMENT CONSISTING OF A BRASSIÈRE, VEST, AND STEPINS IN THE NATURE OF DRAWERS.
Claims use since November 1929.

Reg. No. 322,400. Registered Mar. 5, 1935. STYLEPARK HATS, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SANITHER

FOR MEN'S HATS.
Claims use since Sept. 26, 1934.

Reg. No. 324,930. Registered June 4, 1935. MILES SHOES, INC., New York, N. Y. Republished by Miles Shoes Incorporated, New York, N. Y., a corporation of New York.

"THRIFTY-NIFTIES"

FOR MEN'S, BOYS', WOMEN'S AND MISSES' SHOES MADE OF LEATHER, RUBBER, FABRIC AND COMBINATIONS OF THESE MATERIALS.
Claims use since Dec. 15, 1934.

Reg. No. 333,680. Registered Mar. 31, 1936. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

Half-Pint

FOR WOMEN'S, MISSES, AND CHILDREN'S HOSIERY.
Claims use since Aug. 28, 1935.

Reg. No. 334,766. Registered May 12, 1936. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

Gallivant

FOR WOMEN'S AND CHILDREN'S SHOES OF FABRIC AND LEATHER AND COMBINATIONS THEREOF.
Claims use since Sept. 11, 1935.

Reg. No. 336,465. Registered July 7, 1936. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

Gallivant

FOR GLOVES MADE OF LEATHER AND FABRIC, COATS, JACKETS, SUITS, AND HATS FOR WOMEN, MISSES, AND CHILDREN; DRESSES FOR WOMEN AND CHILDREN, AND OUTER SKIRTS AND UNDERSKIRTS, BLOUSES, AND SWEATERS.
Claims use since Jan. 24, 1936.

Reg. No. 342,491. Registered Jan. 19, 1937. SIMON ACKERMAN CLOTHES, INC., New York, N. Y. Republished by Simon Ackerman Manufacturers & Tailors, Inc., New York, N. Y., a corporation of New York.

Chester Barrie

FOR CLOTHING AND ACCESSORIES — NAMELY, MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TUXEDOS, DRESS SUITS, MORNING COATS, SPORT SUITS, TOPCOATS.
Claims use since Apr. 15, 1935.

Reg. No. 343,984. Registered Mar. 9, 1937. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

Half-Pint

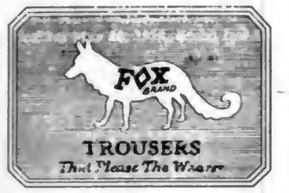
FOR WOMEN'S AND MISSES' BATH ROBES, NEGLIGEES, CORSETS, DRESSES, AND UNDERWEAR, COATS, AND SUITS.
Claims use since Jan. 10, 1936.

Reg. No. 355,379. Registered Mar. 15, 1938. BERNE MANUFACTURING COMPANY, Berne, Ind. Republished by Winner, Inc., Berne, Ind., a corporation of Indiana.



The drawing is lined for the colors red, yellow, black, and green.
FOR BOYS', GIRLS', YOUTHS', AND MISSES' COTTON, WOOL, RUBBER, AND LEATHER WEARING APPAREL—NAMELY, OUTER AND UNDER JUMPERS, SHORTS, JACKETS, BIB TROUSERS, AND CAPS.
Claims use since Dec. 1, 1933.

Reg. No. 364,728. Registered Feb. 14, 1939. DAVID FOX, Philadelphia, Pa. Republished by Fox Trouser Manufacturing Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.



All of the wording appearing on the drawing is disclaimed except the word "Fox." The drawing is lined for shading only.
FOR MEN'S AND BOYS' WORK AND DRESS PANTS AND KNICKERS.
Claims use since May 13, 1925.

Reg. No. 375,456. Registered Feb. 20, 1940. BLACKTON-FIFTH AVENUE, LTD., New York, N. Y., a corporation of New York. Republished by registrant.

YOU*foundations*

The word "Foundations" is disclaimed apart from the mark as shown.
FOR WOMEN'S AND MISSES' BRASSIÈRES, CORSETS, AND UNDERWEAR.
Claims use since Mar. 30, 1938.

Reg. No. 382,487. Registered Oct. 29, 1940. SHAWNEE GARMENT MANUFACTURING CO., Shawnee, Okla., a firm. Republished by registrant.



FOR OVERALLS, WORK COATS, WORK SHIRTS, WORK PANTS, AND JUMPERS.
Claims use since July 1, 1903.

Reg. No. 384,943. Registered Feb. 11, 1941. BLACKTON-FIFTH AVENUE, LTD., New York, N. Y., a corporation of New York. Republished by registrant.

Undermates

FOR WOMEN'S AND MISSES' BRASSIÈRES, CORSETS, AND UNDERWEAR.
Claims use since Feb. 14, 1940.

Reg. No. 386,835. Registered Apr. 22, 1941. COOPER'S, INCORPORATED, Kenosha, Wis., a corporation of Wisconsin. Republished by registrant.

MIDWAY

FOR MEN'S AND BOYS' UNDERWEAR.
Claims use since Oct. 23, 1937.

Reg. No. 392,113. Registered Dec. 9, 1941. COOPER'S, INCORPORATED, Kenosha, Wis., a corporation of Wisconsin. Republished by registrant.

SINGLETON

FOR MEN'S UNDERWEAR.
Claims use since Feb. 2, 1933.

Reg. No. 392,115. Registered Dec. 9, 1941. COOPER'S, INCORPORATED, Kenosha, Wis., a corporation of Wisconsin. Republished by registrant.

Y-FRONT

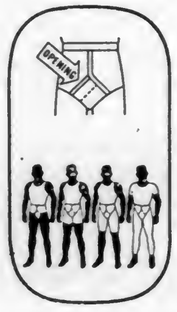
FOR MEN'S UNDERWEAR—NAMELY, SHIRTS AND SHORTS.
Claims use since Aug. 16, 1935.

Reg. No. 392,116. Registered Dec. 9, 1941. COOPER'S, INCORPORATED, Kenosha, Wis., a corporation of Wisconsin. Republished by registrant.

BELLIN

FOR MEN'S SHORTS.
Claims use since Mar. 13, 1936.

Reg. No. 392,119. Registered Dec. 9, 1941. COOPER'S, INCORPORATED, Kenosha, Wis., a corporation of Wisconsin. Republished by registrant.



The representation of the undergarment and the word "Opening" are disclaimed apart from the mark shown.
FOR MEN'S UNDERGARMENTS.
Claims use since April 1937.

Reg. No. 399,527. Registered Jan. 12, 1943. COOPER'S, INCORPORATED, Kenosha, Wis., a corporation of Wisconsin. Republished by registrant.

Jockette

FOR UNDERWEAR FOR MEN, WOMEN, BOYS, GIRLS, AND CHILDREN.
Claims use since May 15, 1942.

Reg. No. 409,514. Registered Oct. 10, 1944. COOPER'S, INCORPORATED, Kenosha, Wis., a corporation of Wisconsin. Republished by registrant.



FOR MEN'S AND BOYS' UNDERWEAR.
Claims use since Jan. 15, 1940.

Reg. No. 433,419. Registered Oct. 14, 1947. JACK BORGENICHT, INC., Forest City, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR WOMEN'S, CHILDREN'S, AND INFANTS' DRESSES.
Claims use since Feb. 25, 1946.

Reg. No. 433,489. Registered Oct. 14, 1947. MCCROSSEN HANDWOVEN TEXTILES, INC., Santa Fe, N. Mex., a corporation of New Mexico. Republished by registrant.



FOR SCARFS, NECKTIES, BELTS FOR OUTER WEAR, AND DRESSES FOR WOMEN, MISSES, AND CHILDREN.
Claims use since December 1930.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 378,013. Registered May 21, 1940. RAND RUBBER COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

VALUE

FOR DRESS SHIELDS.
Claims use since Jan. 1, 1900.

Reg. No. 396,089. Registered June 30, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR COMBS; AND TOILET SETS, EACH CONSISTING OF BRUSHES BACKED OR TRIMMED WITH NONPRECIOUS METAL, COMB, NAIL FILE AND SCISSORS, ALL IN A TOILET SET CONTAINER.
Claims use since Sept. 22, 1939.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Reg. No. 422,587. Registered July 30, 1946. ARKWRIGHT, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

FIRST LADY

FOR CANES, PARASOLS, AND UMBRELLAS.
Claims use since Jan. 1, 1930.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 84,809. Registered Jan. 9, 1912. WILLIAM L. BARRELL CO., New York, N. Y., Boston and Lawrence, Mass., Chicago, Ill., and St. Louis, Mo., a corporation of Maine. Republished by registrant.

LOCKWELL

FOR DUCK.
Claims use since Jan. 6, 1911.

Reg. No. 193,671. Registered Jan. 6, 1925. THE DRY GOODS ALLIANCE, INC., New York, N. Y. Republished by Dry Goods Alliance, Inc., New York, N. Y., a corporation of New York.

ALLIANCE

FOR SHEETS, SHEETINGS, AND PILLOW CASES.
Claims use since 1904.

Reg. No. 203,007. Registered Sept. 8, 1925. ARTMART LINEN CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ARTMART
LINEN

The words "Linen Co., Inc." are disclaimed apart from the mark as shown.
FOR DECORATIVE LINENS MANUFACTURED AND SOLD BY IT—NAMELY, DOILIES, OVALS, OBLONGS, TABLE COVERS, CENTERPIECES, DRESSER SCARFS MADE OF COTTON, LINEN, LACE, AND EMBROIDERY.
Claims use since on or about June 19, 1919.

Reg. No. 235,735. Registered Nov. 22, 1927. SHULER & BENNINGHOFEN, Hamilton, Ohio, a firm. Republished by registrant.

MARIPOSA

FOR ALL-WOOL BLANKETS.
Claims use since Mar. 13, 1908.

Reg. No. 359,614. Registered Aug. 23, 1938. STERN & STERN TEXTILE IMPORTERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PERMASOIE

FOR SILK PIECE GOODS.
Claims use since Dec. 27, 1934.

Reg. No. 367,449. Registered May 16, 1939. COOPER'S, INCORPORATED, Kenosha, Wis., a corporation of Wisconsin. Republished by registrant.

MERCELIN

FOR PIECE GOODS OF LINEN AND COTTON MIXTURE.
Claims use since Sept. 27, 1938.

Reg. No. 415,854. Registered Aug. 21, 1945. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio, a corporation of Ohio. Republished by registrant.

COL-O-VIN

FOR TEXTILE PIECE GOODS OF COTTON, RAYON, SILK, WOOL, LINEN, WHICH HAS BEEN PROCESSED TO MAKE IT WATER REPELLENT.
Claims use since Apr. 27, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 127,901. Registered Dec. 16, 1919. ALEXANDER E. BLOCK, St. Louis, Mo. Republished by Trimfoot Company, Farmington, Mo., a corporation of Missouri.

ARCH BUILDER

FOR FLEXIBLE NON-METALLIC SUPPORTS FOR THE LONGITUDINAL ARCH OF THE FOOT.
Claims use since Dec. 1, 1910.

Reg. No. 339,441. Registered Oct. 6, 1936. MINTO TOOTHPICK COMPANY, doing business as Minto Toothpick & Specialty Company and Hardwood Products Co., Mayville, Mich., and Guilford, Maine. Republished by Hardwood Products Company, Mayville, Mich., a co-partnership.



All the wording is disclaimed apart from the mark as shown.
FOR TOOTHPICKS.
Claims use since Oct. 17, 1922.

Reg. No. 408,267. Registered Aug. 1, 1944. C. J. BATES & SON, Chester, Conn., a firm. Republished by registrant.

CRYSTEEL

FOR MANICURE IMPLEMENTS—NAMELY, NAIL BRUSHES, NAIL BUFFERS, NAIL FILES, NAIL CLIPPERS, CUTICLE KNIVES, SCISSORS, MANICURE STICKS, TWEEZERS, EMERY BOARDS, PUMICE BOARDS, AND NAIL POLISHERS.
Claims use since October 1937.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 158,530. Registered Sept. 5, 1922. H. C. SCHRANCK COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Cremo

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES CONTAINING LESS THAN ONE HALF OF ONE PER CENT ALCOHOL, BY VOLUME, SOLD AS A SOFT DRINK.
Claims use since Apr. 4, 1905.

Reg. No. 168,458. Registered May 22, 1923. COUNTRY CLUB SODA COMPANY, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.



FOR CREAM SODA, BIRCH BEER, GINGER ALE, ORANGE SODA, LEMON SODA, ORANGEADE, ROOT BEER, SARSAPARILLA, STRAWBERRY SODA.
Claims use since June 1, 1922.

Reg. No. 319,134. Registered Nov. 20, 1934. C. E. TREES & CO., INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.



FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, SIRUP AND EXTRACT FOR MAKING THE SAME.
Claims use since Apr. 1, 1933.

Reg. No. 342,789. Registered Jan. 26, 1937. C. E. TREES & CO., INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

4PER

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, SIRUP AND EXTRACT FOR MAKING THE SAME.
Claims use since Feb. 13, 1936.

Reg. No. 366,652. Registered Apr. 25, 1939. COUNTRY CLUB SODA COMPANY, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.



FOR NONALCOHOLIC, MALTLESS, AND NONCEREAL BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since on or about Mar. 28, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 19,678. Registered June 9, 1891. THE NATIONAL STARCH MANUFACTURING COMPANY, Covington, Ky., and New York, N. Y. Republished by Corn Products Refining Company, New York, N. Y., a corporation of New Jersey.



FOR PREPARATION OF CORN-FLOUR.
Claims use since 1858.

Reg. No. 88,404. Registered Sept. 17, 1912. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



The words "Bakers Blend" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since Nov. 16, 1911.

Reg. No. 88,863. Registered Oct. 29, 1912. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



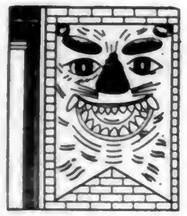
The picture of the map of North and South America is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since May 31, 1911.

Reg. No. 89,350. Registered Dec. 10, 1912. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since Aug. 1, 1911.

Reg. No. 90,183. Registered Feb. 11, 1913. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since May 16, 1911.

Reg. No. 91,807. Registered May 27, 1913. SEACOAST CANNING CO., Eastport, Maine. Republished by Seaboard Packing Company, Lubec, Maine, a corporation of Maine.



FOR SARDINES.
Claims use since September 1909.

Reg. No. 101,611. Registered Dec. 29, 1914. T. W. WOOD & SONS, Richmond, Va., a firm. Republished by registrant.



FOR POULTRY FOODS.
Claims use since 1908.

Reg. No. 124,448. Registered Feb. 18, 1919. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

MORPORK

FOR STOCK FEED.
Claims use since May 9, 1918.

Reg. No. 127,610. Registered Nov. 18, 1919. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

MORBREAD

FOR WHEAT FLOUR.
Claims use since Feb. 3, 1919.

Reg. No. 129,199. Registered Jan. 27, 1920. OTTAWA MILLING COMPANY, Kansas City, Mo., and Ottawa, Kans. Republished by The Midland Flour Milling Co., Kansas City, Mo., a corporation of Kansas.



FOR WHEAT FLOUR.
Claims use since June 30, 1919.

Reg. No. 131,868. Registered May 25, 1920. CHARLES EDWARD VAN LANDINGHAM, Los Angeles, Calif. Republished by The French Sardine Company of California, Fish Harbor Wharf, Terminal Island, Calif., a corporation of California.

Every-day

FOR CANNED FISH—NAMELY, CANNED SARDINES.
Claims use since Oct. 23, 1919.

Reg. No. 148,532. Registered Nov. 15, 1921. SEACOAST CANNING CO., Eastport, Maine. Republished by Seaboard Packing Company, Lubec, Maine, a corporation of Maine.



FOR CANNED SARDINES.
Claims use since Sept. 1, 1909.

Reg. No. 170,872. Registered July 24, 1923. MAILLIARD & SCHMIEDELL, San Francisco, Calif. Republished by Mailliard & Schmiedell, San Francisco, Calif., a corporation of California.



The words "Olio d'Oliva," "Superfine Virgin," "Sanremo," "Net Contents Full ½ Gallon," "Trade Mark Registered," "Fratelli Calvo," "Sanremo Oneglia," "Huile d'Olive," "Superfine Olive Oil Sanremo," and "Extra Oliven del Sanremo," and "Mailliard & Schmiedell, Sole Distributors for Fratelli Calvo, 205 California Street, San Francisco, U. S. A.," are disclaimed apart from the mark as shown.
FOR OLIVE OIL.
Claims use since Apr. 6, 1922.

Reg. No. 173,386. Registered Sept. 25, 1923. SEACOAST CANNING COMPANY, Eastport, Maine. Republished by Seaboard Packing Company, Lubec, Maine, a corporation of Maine.

NEPTUNE

FOR CANNED TUNNY FISH.
Claims use since Nov. 1, 1921.

Reg. No. 176,522. Registered Nov. 27, 1923. J. C. PALUMBO, Payette, Idaho. Republished by Palumbo-Rinelli Fruit Company, Payette, Idaho, a firm.

La Paluma

FOR FRESH APPLES.
Claims use since Nov. 1, 1922.

Reg. No. 185,248. Registered June 10, 1924. SPERRY CANDY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



The word "Candies" is disclaimed apart from the mark as shown.
FOR CANDIES.
Claims use since Nov. 20, 1923.

Reg. No. 187,187. Registered July 29, 1924. WILL B. WESTON, Santa Clara, Calif. Republished by Santa Clara Pear Association, Santa Clara, Calif., a corporation of California.

OUT OF THE WEST

FOR FRESH PEARS.
Claims use since Feb. 21, 1924.

Reg. No. 198,862. Registered May 26, 1925. AMERICAN SEEDLESS RAISIN COMPANY, San Francisco, Fresno, and Del Rey, Calif. Republished by American Seedless Raisin Company, San Francisco, Calif., a corporation of California.

ROYAL PURPLE

FOR DRIED RAISINS.
Claims use since 1895.

Reg. No. 203,887. Registered Sept. 29, 1925. ANAHEIM COOPERATIVE ORANGE ASSOCIATION, Anaheim, Calif., a corporation of California. Republished by registrant.

AUTUMN LEAF

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.
Claims use since 1910.

Reg. No. 204,000. Registered Oct. 6, 1925. OLYMPIA CANNING COMPANY, Olympia, Wash., a corporation of Washington. Republished by registrant.

HOUSEHOLD

FOR VINEGAR.
Claims use since Mar. 23, 1925.

Reg. No. 208,928. Registered Feb. 9, 1926. THE PARK & POLLARD COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address Buffalo, N. Y.

LAY OR BUST

FOR POULTRY FEED.
Claims use since July 1, 1909.

Reg. No. 212,264. Registered Apr. 27, 1926. THE VAN LANDINGHAM CO., Los Angeles, Calif. Republished by The French Sardine Company of California, Fish Harbor Wharf, Terminal Island, Calif., a corporation of California.

RUBIDOUX

FOR CANNED FISH.
Claims use since May 15, 1916.

Reg. No. 216,382. Registered Aug. 10, 1926. C. S. ALLEN CORPORATION, Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Webster, Mass.



FOR CANDIES.
Claims use since Mar. 1, 1925.

Reg. No. 225,351. Registered Mar. 15, 1927. SEACOAST CANNING COMPANY, Eastport, Maine. Republished by Seaboard Packing Company, Lubec, Maine, a corporation of Maine.

BIG SMOKE

FOR CANNED FISH, SPECIFICALLY CANNED SARDINES.
Claims use since on or about Feb. 1, 1913.

Reg. No. 233,397. Registered Sept. 27, 1927. BERNARD A. LIVIERATO, New York, N. Y. Republished by registrant.

LB

FOR COFFEE.
Claims use since Jan. 1, 1886.

Reg. No. 241,092. Registered Apr. 17, 1928. BLISH MILLING COMPANY, Seymour, Ind., a corporation of Indiana. Republished by registrant.



FOR SELF-RISING WHEAT FLOUR.
Claims use since 1915.

Reg. No. 251,575. Registered Jan. 8, 1929. BAY CHEMICAL COMPANY, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

DICAPHO

FOR STOCK AND POULTRY FOOD.
Claims use since Aug. 18, 1928.

Reg. No. 251,864. Registered Jan. 15, 1929. CANOGA CITRUS ASSOCIATION, Owensmouth, Calif., a corporation of California. Republished by registrant, present address Canoga Park, Calif.

ROSITA

FOR FRESH CITRUS FRUITS.
Claims use since May 24, 1928.

Reg. No. 259,290. Registered July 30, 1929. GROCERS BAKING COMPANY, INC., Louisville, Ky., a corporation of Kentucky. Republished by registrant.



The words "Honey-Krust" are disclaimed apart from the mark as shown. The drawing is lined for the colors orange, blue, and yellow.
FOR BREAD.
Claims use since Mar. 13, 1916.

Reg. No. 259,291. Registered July 30, 1929. GROCERS BAKING COMPANY, INC., Louisville, Ky., a corporation of Kentucky. Republished by registrant.



The words "Honey-Krust" are disclaimed apart from the mark as shown.
FOR BREAD.
Claims use since Mar. 13, 1916.

Reg. No. 260,154. Registered Aug. 20, 1929. SUTTER PACKING CO., Mayfield, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

FULL O' GOLD

FOR CANNED FRUITS.
Claims use since Nov. 22, 1928.

Reg. No. 260,171. Registered Aug. 20, 1929. CANOGA CITRUS ASSOCIATION, Owensmouth, Calif., a corporation of California. Republished by registrant, present address Canoga Park, Calif.

ALESSANDRO

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 26, 1929.

Reg. No. 266,266. Registered Jan. 14, 1930. VICENTE COTERA, doing business as Cotera Brothers, El Paso, Tex. Republished by registrant.

AKEL

FOR COFFEE.
Claims use since Mar. 1, 1929.

Reg. No. 267,115. Registered Feb. 11, 1930. HELWIG & LEITCH, Baltimore, Md., a corporation of Maryland. Republished by registrant.

MAJESTIC

FOR FOOD-FLAVORING EXTRACTS, WORCESTERSHIRE SAUCE, HORSERADISH, SPICES, VINEGAR, PREPARED MUSTARD, MUSTARD AND HORSE-RADISH, FRUIT PRESERVES, JELLIES, PEANUT BUTTER, CHERRIES IN JARS, OLIVES, PICKLES, TOMATO CATSUP, MAYONNAISE DRESSING; BARBECUE RELISH OF VEGETABLES, SPICES, VINEGAR, SUGAR, SALT, AND TUMERIC; SWEET PIMIENTO RELISH OF VEGETABLES, SPICES, VINEGAR, SUGAR, AND SALT; SWEET PICCALILLI OF VEGETABLES, SPICES, VINEGAR, SUGAR, AND SALT; AND SANDWICH SPREAD OF OIL, EGGS, VEGETABLES, SALT, VINEGAR, AND SPICES.
Claims use since 1888.

Reg. No. 274,651. Registered Sept. 2, 1930. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

EL MARINERO



FOR WHEAT FLOUR.
Claims use since Jan. 11, 1930.

Reg. No. 278,091. Registered Dec. 2, 1930. SANTA CLARA PEAR ASSOCIATION, San Jose, Calif., a corporation of California. Republished by registrant.

PALO ALTO

FOR FRESH DECIDUOUS FRUITS.
Claims use since Aug. 3, 1929.

Reg. No. 280,274. Registered Feb. 10, 1931. STAFFORD COUNTY FLOUR MILLS COMPANY, Hudson, Kans., a corporation of Kansas. Republished by registrant.



The word "Flour" is disclaimed apart from the mark as shown.
FOR HARD-WHEAT FLOUR.
Claims use since 1908.

Reg. No. 281,413. Registered Mar. 17, 1931. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

SPONGE TOP

FOR WHEAT FLOUR.
Claims use since Sept. 19, 1930.

Reg. No. 282,019. Registered Apr. 7, 1931. STAFFORD COUNTY FLOUR MILLS CO., Hudson, Kans., a corporation of Kansas. Republished by registrant.

DEFENDER

FOR WHEAT FLOUR.
Claims use since about 1908.

Reg. No. 287,945. Registered Oct. 20, 1931. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

SPUN WHITE

No claim is made to the word "White" alone.
FOR WHEAT FLOUR.
Claims use since Mar. 25, 1931.

Reg. No. 289,704. Registered Dec. 1, 1931.. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since Nov. 15, 1930.

Reg. No. 295,370. Registered June 28, 1932. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.



The word "Brand" is disclaimed apart from the mark as shown. The lining indicates shading only.
FOR WHEAT FLOUR.
Claims use since Nov. 30, 1919.

Reg. No. 295,824. Registered July 12, 1932. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

MAINSAIL

FOR WHEAT FLOUR.
Claims use since Feb. 26, 1932.

Reg. No. 297,979. Registered Oct. 4, 1932. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

RHODODENDRON

FOR WHEAT FLOUR.
Claims use since May 7, 1932.

Reg. No. 298,026. Registered Oct. 11, 1932. SANTA CLARA PEAR ASSOCIATION, San Jose, Calif., a corporation of California. Republished by registrant.

GOLDEN SAILS

FOR FRESH DECIDUOUS FRUITS.
Claims use since May 15, 1932.

Reg. No. 299,755. Registered Dec. 20, 1932. CANOGA CITRUS ASSOCIATION, Canoga Park, Calif., a corporation of California. Republished by registrant.

OUTPOST

FOR FRESH CITRUS FRUITS.
Claims use since Mar. 30, 1932.

Ser. No. 301,062. Registered Feb. 14, 1933. MOR-PAK PRESERVING CORPORATION, Stockton, Calif., a corporation of California. Republished by registrant.

BLAZE O' GOLD

FOR CANNED FRUITS.
Claims use since July 20, 1932.

Reg. No. 305,372. Registered Aug. 15, 1933. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.



The lining represents shading and color is disclaimed. The word "Bitters" is disclaimed apart from the mark as shown.
FOR SEASONING FOR FOODS, INCLUDING FOOD BEVERAGES.
Claims use since December 1928.

Reg. No. 306,418. Registered Sept. 19, 1933. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

MILLRITE

FOR WHEAT FLOUR.
Claims use since Apr. 7, 1933.

Reg. No. 307,770. Registered Oct. 31, 1933. MEYER & LANGE, INC., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Mustard For Men" are disclaimed apart from the mark as shown.
FOR PREPARED MUSTARD.
Claims use since Apr. 27, 1933.

Reg. No. 310,456. Registered Feb. 27, 1934. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.



The drawing is lined for shading only.
FOR WHEAT FLOUR.
Claims use since Oct. 13, 1933.

Reg. No. 310,457. Registered Feb. 27, 1934. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since July 27, 1911.

Reg. No. 315,642. Registered Aug. 7, 1934. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.



The drawing is lined for shading only.
FOR WHEAT FLOUR.
Claims use since Feb. 9, 1922.

Reg. No. 315,758. Registered Aug. 7, 1934. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

UNI-FERM

FOR WHEAT FLOUR.
Claims use since Sept. 10, 1932.

Reg. No. 317,478. Registered Sept. 25, 1934. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

TURAKO

FOR WHEAT FLOUR.
Claims use since Mar. 3, 1934.

Reg. No. 323,250. Registered Apr. 9, 1935. C. S. ALLEN CORPORATION, Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Webster, Mass.

RUMBUTUS

FOR CANDY.
Claims use since Nov. 19, 1934.

Reg. No. 325,652. Registered July 2, 1935. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

40 FIDE

FOR CEREAL PRODUCT MADE FROM WHEAT FOR USE AS A BREAKFAST FOOD OR IN THE PREPARATION OF BREAD, MUFFINS, PANCAKES, CRACKERS, BISCUITS, AND THE LIKE.
Claims use since Feb. 19, 1935.

Reg. No. 331,383. Registered Jan. 7, 1936. SMITH-THORNBURG COMPANY, Phoenix, Ariz. Republished by Floyd N. Smith, Phoenix, Ariz.



The words "America's Best" and the representation of a label are disclaimed apart from the mark as shown. The drawing is lined for the colors black and blue.
FOR FRESH VEGETABLES AND MELONS.
Claims use since June 1, 1935.

Reg. No. 334,278. Registered Apr. 28, 1936. E. W. MERRITT, Brawley, Calif. Republished by registrant.



The word "Quality" is disclaimed apart from the mark as shown. The drawing is lined to indicate shading.
FOR HONEY DEW MELONS.
Claims use since June 1, 1935.

Reg. No. 340,895. Registered Nov. 24, 1936. MAILLIARD & SCHMIEDELL, San Francisco, Calif., a corporation of California. Republished by registrant.

VITTORIA

FOR PREPARED FOOD PRODUCTS—NAMELY, ANCHOVY PASTE, CAPERS, OLIVE OIL.
Claims use since Apr. 6, 1922.

Reg. No. 343,718. Registered Mar. 2, 1937. MOR-PAK PRESERVING CORPORATION, Stockton, Calif., a corporation of California. Republished by registrant.

Tree Style

FOR CANNED FRUITS.
Claims use since Sept. 18, 1936.

Reg. No. 352,750. Registered Dec. 14, 1937. MOR-PAK PRESERVING CORPORATION, Stockton, Calif., a corporation of California. Republished by registrant.

Aunt Mary's

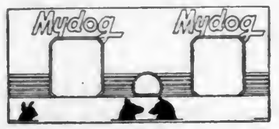
FOR CANNED FRUITS.
Claims use since Aug. 27, 1935.

Reg. No. 358,377. Registered July 12, 1938. MOR-PAK PRESERVING CORPORATION, Stockton, Calif., a corporation of California. Republished by registrant.

Red Crest

FOR CANNED FRUITS AND VEGETABLES.
Claims use since August 1934.

Reg. No. 359,475. Registered Aug. 23, 1938. ROY E. ROBERTS, doing business as Lord-Mott Co., Baltimore, Md. Republished by Lord-Mott Co. Incorporated, Baltimore, Md., a corporation of Maryland.



FOR CANNED DOG FOOD.
Claims use since Feb. 15, 1936.

Reg. No. 370,588. Registered Aug. 29, 1939. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

GERMOWHEAT

FOR WHEAT PRODUCT—NAMELY, WHEAT FLOUR FORTIFIED WITH WHEAT GERM AND OTHER PORTIONS OF WHEAT.
Claims use since Mar. 17, 1939.

Reg. No. 381,008. Registered Sept. 10, 1940. E. W. MERRITT, Brawley and Manteca, Calif. Republished by registrant.

CRISPY GOLD

The word "Crispy" is disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES—NAMELY, CARROTS.
Claims use since Mar. 1, 1940.

Reg. No. 390,971. Registered Oct. 14, 1941. CANOGA CITRUS ASSOCIATION, Canoga Park, Calif., a corporation of California. Republished by registrant.

BRITE 'n EARLY

FOR FRESH CITRUS FRUITS.
Claims use since May 14, 1941.

Reg. No. 393,100. Registered Jan. 27, 1942. CANOGA CITRUS ASSOCIATION, Canoga Park, Calif., a corporation of California. Republished by registrant.

ADIOS

FOR FRESH CITRUS FRUITS.
Claims use since 1931.

Reg. No. 393,419. Registered Feb. 10, 1942. SPERRY CANDY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

SNOW MAID

FOR CANDY BARS.
Claims use since June 2, 1933.

Reg. No. 396,016. Registered June 23, 1942. MOR-PAK PRESERVING CORPORATION, San Francisco, Calif., a corporation of Nevada. Republished by registrant.

PIE KING

The word "Pie" is disclaimed apart from the mark as shown.
FOR CANNED FRUITS—NAMELY, CANNED PEACHES AND CANNED APRICOTS.
Claims use since July 1933.

Reg. No. 397,715. Registered Sept. 15, 1942. R. C. NICOLL, doing business as Valerie Jean Date Shop, Thermal, Calif. Republished by registrant.

"CANDY OF THE PALMS"

"PALM-SUGARED"

The words "Palm Sugared" are disclaimed apart from the mark as shown.
FOR FRESH DATES.
Claims use since Apr. 21, 1942.

Reg. No. 404,668. Registered Dec. 14, 1943. THE SCHUMAN CO., Chicago, Ill., and Lodi, Calif., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.

SURE WINNER

FOR FRESH VEGETABLES AND GRAPES.
Claims use since 1926.

Reg. No. 405,150. Registered Jan. 11, 1944. INDIAN RIVER CANNERS, INC., Fort Pierce, Fla. Republished by Di Giorgio Fruit Corporation, San Francisco, Calif., and Winter Haven, Fla., a corporation of Delaware.

IND RIO

FOR CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Feb. 1, 1943.

Reg. No. 407,259. Registered May 23, 1944. CALIFORNIA FARM PRODUCTS COMPANY, Salinas, Calif., a partnership. Republished by registrant.

Califarm

FOR FRESH VEGETABLES.
Claims use since Oct. 31, 1943.

Reg. No. 407,807. Registered June 27, 1944. FACKLER, LANGFORD & TAYLOR, Meansville, Ga. Republished by Langford & Taylor, Meansville, Ga., a firm.

ALIMOSA

FOR CANNED FRUITS AND VEGETABLES.
Claims use since 1939.

Reg. No. 408,011. Registered July 11, 1944. NORBERG THOMPSON, Key West, Fla. Republished by registrant.

A. GRANDAY'S

FOR CANNED GREEN SEA TURTLE MEAT AND SOUP.
Claims use since Jan. 18, 1895.

Reg. No. 410,274. Registered Nov. 21, 1944. E & L COMPANY, Los Angeles, Calif. Republished by Woo Gueyteung, Los Angeles, Calif.

ELECTED
BY POPULARITY FOR QUALITY

The words "For Quality" are disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES AND MELONS.
Claims use since Sept. 15, 1942.

Reg. No. 424,608. Registered Oct. 15, 1946. CANOGA CITRUS ASSOCIATION, Canoga Park, Calif., a corporation of California. Republished by registrant.

EL SEÑOR



The name "Canoga Citrus Assn." is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since June 22, 1945.

CLASS 47

WINES

Reg. No. 305,203. Registered Aug. 8, 1933. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

L. N. Renault & Sons

FOR WINES—NAMELY, SHERRY, PORT, TOKAY, CLARET, BURGUNDY, RHINE WINE, CHAMPAGNE, AND OTHER SPARKLING WINES.
Claims use since 1870.

Reg. No. 306,231. Registered Sept. 12, 1933. WILLIAMS & HUMBERT, London, England. Republished by Williams & Humbert Limited, London, England, a limited liability company of Great Britain.

PANDO

FOR SHERRY WINES.
Claims use since Mar. 7, 1884.

Reg. No. 306,235. Registered Sept. 12, 1933. ROBERTSON BROS. & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

PRIVATEER

FOR WINES.
Claims use since July 1, 1926.

Reg. No. 306,522. Registered Sept. 19, 1933. WILLIAMS & HUMBERT, London, England. Republished by Williams & Humbert Limited, London, England, a limited liability company of Great Britain.

MOLINO

FOR SHERRY WINE.
Claims use since Oct. 9, 1911.

Reg. No. 307,304. Registered Oct. 24, 1933. WILLIAMS & HUMBERT, London, England. Republished by Williams & Humbert Limited, London, England, a limited liability company of Great Britain.

WILLIAMS & HUMBERT

FOR SHERRY WINE.
Claims use since Nov. 4, 1890.

Reg. No. 307,436. Registered Oct. 24, 1933. ROBERTSON BROS. & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

ROBERTSON'S

FOR PORT WINE.
Claims use since 1847.

Reg. No. 308,051. Registered Nov. 21, 1933. WILLIAMS & HUMBERT, London, England. Republished by Williams & Humbert Limited, London, England, a limited liability company of Great Britain.

DRY Williams & Humbert SACK

The words "Dry Sack" are disclaimed apart from the mark as shown.
FOR SHERRY WINE.
Claims use since Sept. 6, 1905.

Reg. No. 308,052. Registered Nov. 21, 1933. WILLIAMS & HUMBERT, London, England. Republished by Williams & Humbert Limited, London, England, a limited liability company of Great Britain.

Williams & Humbert
WALNUT BROWN

The words "Walnut Brown" are disclaimed apart from the mark as shown.
FOR SHERRY WINE.
Claims use since May 11, 1921.

Reg. No. 315,385. Registered July 24, 1934. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

RENAULT
Fine Old Vintage
Port
1870
L.N. RENAULT & SONS Inc.

The representation of the label and the words "Fine Old Vintage Port" are disclaimed apart from the mark as shown. The drawing is lined for gold and red.
FOR WINES—NAMELY, PORT.
Claims use since Dec. 5, 1933.

Reg. No. 315,386. Registered July 24, 1934. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

EST. 1870
Renault
Fine Old Vintage
Riesling

The words "Fine Old Vintage" and "Riesling" are disclaimed apart from the mark as shown. The drawing is lined to indicate the colors red and gold.
FOR WINES—NAMELY, RIESLING WINE.
Claims use since Dec. 5, 1933.

Reg. No. 324,682. Registered May 28, 1935. PADRE VINEYARD COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

Padre

FOR WINES.
Claims use since Jan. 29, 1929.

Reg. No. 356,372. Registered Apr. 26, 1938. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

VIN BLANC
Renault

The words "Vin Blanc" are disclaimed apart from the mark as shown.
FOR WINES.
Claims use since Aug. 18, 1937.

Reg. No. 356,373. Registered Apr. 26, 1938. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

VIN ROUGE
Renault

The words "Vin Rouge" are disclaimed apart from the mark as shown.
FOR WINE.
Claims use since Aug. 18, 1937.

Reg. No. 367,358. Registered May 16, 1939. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

RENAULT

FOR WINES.
Claims use since 1870.

Reg. No. 367,360. Registered May 16, 1939. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

RENAULT
FRENCH 75

The word "French" is disclaimed apart from the mark as shown.
FOR WINES.
Claims use since Dec. 2, 1936.

Reg. No. 380,838. Registered Sept. 3, 1940. LIQUOR DISTRIBUTORS OF AMERICA, INC., Newark, N. J., a corporation of New Jersey. Republished by registrant.

Lidia

FOR PORT, SHERRY, WHITE PORT, MUSCATEL, BLACKBERRY, ZINFANDEL, BARBERONE, BURGUNDY, RHINE, AND CHIANTI WINES.
Claims use since September 1934.

Reg. No. 383,948. Registered Dec. 31, 1940. WILLIAMS & HUMBERT, London, England. Republished by Williams & Humbert Limited, London, England, a limited liability company of Great Britain.



FOR WINES.
Claims use since 1925.

Reg. No. 396,785. Registered Aug. 4, 1942. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J., a corporation of New Jersey. Republished by registrant.

RENAULT

FOR SWEET VERMOUTH AND DRY VERMOUTH.
Claims use since 1870.

Reg. No. 418,482. Registered Dec. 25, 1945. PADRE VINEYARD COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

Padre
RESERVE

The word "Reserve" is disclaimed apart from the mark as shown.
FOR WINE.
Claims use since Nov. 12, 1943.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 225,381. Registered Mar. 15, 1927. JACKSON BREWING COMPANY, New Orleans, La., a corporation of Louisiana. Republished by registrant.

Jackson



FOR MALT SIRUP.
Claims use since June 15, 1926.

Reg. No. 357,315. Registered May 31, 1938. GUNTHER BREWING CO. INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.



All notations, except the letter "G," "Gunther Brewing Company, Inc.," "Gunthers" and "Since 1881" are disclaimed, apart from the mark as shown. The drawing is lined for the colors brown and red.
FOR BEER.
Claims use since Oct. 14, 1937.

Reg. No. 378,804. Registered June 18, 1940. ATLANTIS IMPORTERS & DISTRIBUTORS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

CONTI

FOR BEER AND ALE.
Claims use since Jan. 3, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 198,969. Registered June 2, 1925. PETER DAWSON, LIMITED, Glasgow, Scotland. Republished by Peter Dawson Limited, Glasgow, Scotland, a limited liability company of Great Britain.

PETER
DAWSON
SPECIAL
SCOTCH WHISKY
Peter Dawson
LIMITED
DISTILLERS
BUFFTOWN & GLASGOW

All matter appearing on the drawing is disclaimed except the words "Peter Dawson,' the facsimile signature "Blue Bell" and the illustration of the flower apart from the mark as shown.
FOR WHISKY.
Claims use since Oct. 1, 1910.

Reg. No. 299,582. Registered Dec. 6, 1932. JOHN DEWAR & SONS LIMITED, Perth, Scotland, and London, England, a limited liability company of Great Britain. Republished by registrant.

The Victoria Vat

FOR SCOTCH WHISKY.
Claims use since 1897.

Reg. No. 301,614. Registered Mar. 7, 1933. JOHN DEWAR & SONS LIMITED, Perth, Scotland, and London, England, a limited liability company of Great Britain. Republished by registrant.

"White Label"

No claim is made to the exclusive use of a white label.
FOR SCOTCH WHISKY.
Claims use since Nov. 30, 1891.

Reg. No. 303,999. Registered June 13, 1933. WILLIAM SANDERSON & SON, LIMITED, Leith, Scotland. Republished by William Sanderson & Son Limited, Leith, Edinburgh, Scotland, a limited liability company of Great Britain.

VAT
69

No claim is made to the words "Liqueur Scotch Whisky" and "Leith."
FOR SCOTCH WHISKY.
Claims use since Dec. 21, 1912.

Reg. No. 315,907. Registered Aug. 14, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Old Andy

FOR WHISKEY.
Claims use since Nov. 17, 1933.

Reg. No. 317,940. Registered Oct. 9, 1934. LEROUX AND COMPANY, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

CLARISTINE

FOR ALCOHOLIC CORDIALS.
Claims use since on or about Dec. 19, 1933.

Reg. No. 317,951. Registered Oct. 9, 1934. AMERICAN SPIRITS, INC., New York, N. Y. Republished by Gordon-O'Neill Company, Jersey City, N. J., a firm.

GOLD CUP

FOR WHISKEY.
Claims use since Mar. 15, 1934.

Reg. No. 318,155. Registered Oct. 16, 1934. THE OLD QUAKER COMPANY, Lawrenceburg, Ind. Republished by The Rum Company (Jamaica) Ltd., Coruba House, Kingston, Jamaica, a corporation of Jamaica.

SALUTE

FOR WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS.
Claims use since June 8, 1934.

Reg. No. 321,215. Registered Jan. 22, 1935. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

EDGETON

FOR WHISKEY.
Claims use since Sept. 7, 1934.

Reg. No. 326,424.. Registered July 23, 1935. COUNTRY CLUB SODA COMPANY, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

Elm Park

FOR WHISKEY, GIN, BRANDY, RUM, AND ALCOHOLIC CORDIALS.
Claims use since on or about Feb. 11, 1935.

Reg. No. 360,729. Registered Sept. 27, 1938. WM. SANDERSON & SON, Leith, Scotland. Republished by Wm. Sanderson & Son Limited, Leith, Edinburgh, Scotland, a limited liability company of Great Britain.

Sandersons

FOR SCOTCH WHISKY.
Claims use since about 1863.

Reg. No. 370,331. Registered Aug. 22, 1939. JAS. E. PEPPER AND COMPANY, Lexington, Ky., and New York, N. Y., a corporation of Kentucky. Republished by registrant, present address New York, N. Y.

BORN WITH THE REPUBLIC

FOR WHISKEY.
Claims use since 1914.

Reg. No. 387,878. Registered June 3, 1941. AMERICAN SPIRITS, INC., New York, N. Y., a corporation of Maryland. Republished by registrant.

BALZAC

FOR APRICOT LIQUEUR.
Claims use since Jan. 2, 1941.

Reg. No. 390,932. Registered Oct. 14, 1941. MANY, BLANC & CO., INC., Chicago, Ill. Republished by Many, Blanc & Co., Inc., New York, N. Y., a corporation of Maryland.

J. Bavet

The name "J. Bavet" is disclaimed apart from the mark as shown.
FOR BRANDIES.
Claims use since July 1, 1939.

Reg. No. 394,668. Registered Apr. 21, 1942. GLENMORE DISTILLERIES CO., Owensboro, Ky. Republished by Glenmore Distilleries Company, Louisville, Ky., a corporation of Delaware.

CABIN BROOK

FOR WHISKEY.
Claims use since 1904.

Reg. No. 398,964. Registered Dec. 8, 1942. JOHN DEWAR & SONS LIMITED, Perth, Scotland, and London, England, a limited liability company of Great Britain. Republished by registrant.

"White Label"
FINEST SCOTCH WHISKY
OF GREAT AGE.
John Dewar & Sons Ltd
DISTILLERS.
PERTH SCOTLAND

All the wording except the words "White Label" and the representation of a white label are disclaimed apart from the mark as shown.
FOR WHISKY.
Claims use since 1913.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 203,613. Registered Sept. 22, 1925. THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Republished by Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio.

LEATHER-TEX

The word "Leather" is disclaimed apart from the mark as shown.
FOR LEATHER SIMULATING CLOTH FOR USE IN CONNECTION WITH THE UPHOLSTERING OF MOTOR VEHICLES, VEHICLE TOP COVERINGS, AND CARRIAGE CLOTH.
Claims use since Nov. 1, 1924.

Reg. No. 384,686. Registered Jan. 28, 1941. HOLMES BROTHERS, also doing business as Holmes Bros. Bear Creek Orchards, Medford, Oreg. Republished by Harry and David, Medford, Oreg., a corporation of Oregon.

CHARMSTRING

FOR NOVELTIES — NAMELY, STRINGS OF FIR CONES FOR DECORATIVE PURPOSES.
Claims use since Nov. 1, 1939.

PATENTS

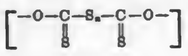
GRANTED NOVEMBER 16, 1948

2,453,689
VULCANIZING SYNTHETIC RUBBER WITH DIXANTHIC SULFIDES

David J. Beaver, St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 13, 1943, Serial No. 502,191
12 Claims. (Cl. 260—79)

1. The process of vulcanizing a synthetic sulfur vulcanizable rubber like material comprising a copolymer of butadiene-1,3 and styrene which comprises adding to the rubber in the absence of elemental sulfur a di-xanthic sulfide containing the nucleus



where n is an integer at least two but less than five and heating the mixture.

2,453,690
PROCESS OF PRODUCING POLYVALENT-METAL HYDROCARBON SULFONATE

Ulric B. Bray, Pasadena, Calif.

No Drawing. Application October 23, 1944, Serial No. 560,030
21 Claims. (Cl. 260—504)

1. In a process of producing water-insoluble, oil-soluble polyvalent-metal hydrocarbon sulfonate, the steps which comprise: forming a mixture containing water, said polyvalent metal sulfonate and an emulsion-breaking, oil-soluble liquid compound consisting of carbon, hydrogen and oxygen and containing four to about eight carbon atoms per molecule to facilitate separation of a water-insoluble sulfonate-containing phase from an aqueous phase; and recovering the sulfonate phase.

2,453,691
METHOD OF MAKING ETHYL CHLORIDE

Howard W. Hill, Concord, and Eldred L. Dance, Berkeley, Calif., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application May 17, 1944, Serial No. 536,032
4 Claims. (Cl. 204—163)

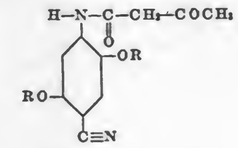
2. The method of making ethyl chloride which comprises adding chlorine to a mixture of ethane and methane in which the ratio of CH_4/C_2H_6 is from 3/1 to 1/3, the chlorine being in amount such that the molar ratio of Cl_2/C_2H_6 is from 0.6 to 1.2, causing reaction between ethane and chlorine by exposing the gaseous mixture to a source of actinic light, while removing heat from the reacting gases to maintain the temperature thereof between 100° and 200° C., and separating ethyl chloride from the reaction product.

2,453,692
4-CYANO-2,5-DIALKOXYACETO-ACETANILIDES

William H. von Glahn, Loudonville, and Herman A. Bergstrom, Albany, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 22, 1947, Serial No. 770,190
3 Claims. (Cl. 260—465)

1. Compounds of the following general formula:

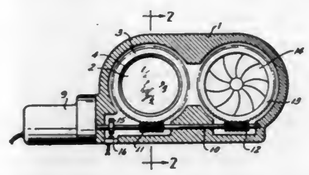


wherein R is alkyl.

2,453,693
AUTOMATIC DIAPHRAGM CONTROL

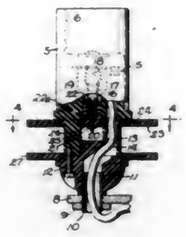
Charles W. Armstrong, Milford, Charles Sadowsky, New York, and Lionel S. Hetherington, Rockville Centre, N. Y.

Application September 3, 1946, Serial No. 694,444
4 Claims. (Cl. 95—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



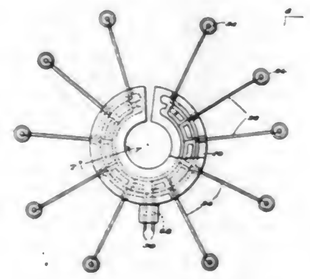
4. In a control for automatically varying the light aperture of a camera, power actuated means for controlling light admission to the camera, a photoelectric cell, a second power actuated means for controlling light admission to the photoelectric cell, a power source, reversing means for said power source, power transmitting means connecting said power source to said power actuated means to rotate them in unison, an ammeter electrically connected to the output circuit of said photoelectric cell and adapted to asume a medial position at a preselected output of said photoelectric cell, means adapted by actuation of said ammeter away from said medial position to operate said reversing means, an electromagnet, a control switch closable by actuation of said power transmitting means to periodically energize said electromagnet, and linkage movable by energization of said electromagnet to intermittently reset said ammeter to its medial position.

2,453,694
LAMP SUPPORT AND SWITCH
Edward F. Arntzen, Rockford, Ill.
Application February 8, 1946, Serial No. 646,381
10 Claims. (Cl. 200—51.14)



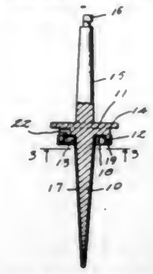
1. The combination of a housing for a switch having a lamp socket at one end and adapted to be supported from the other end on a standard, the latter end portion having a recess in the side thereof, an annular abutment surrounding said recess and facing axially and downwardly, a ring loosely surrounding said abutment and bearing against and projecting radially and outwardly beyond said abutment so as to rock about a point on the outer edge of said abutment in response to the application of manual pressure to said ring on the side thereof diametrically opposite from such point, a member rigid with said ring and projecting into said recess, and an actuating element for said switch movable axially of said housing and connected to said member within said recess.

2,453,695
LIGHTING SET
Bernard A. Belling, Beaver Dam, Wis.
Application March 21, 1946, Serial No. 655,919
1 Claim. (Cl. 240—10)



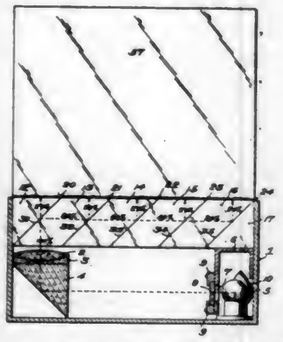
A device of the character described, comprising a split collar formed of flexible material, said collar being formed of complementary mating sections which are in face to face relation to each other, one of said sections being provided with a pair of spaced annular grooves on the mating face thereof, conductor wires in said grooves, electric lamp sockets, lead wires for connecting said sockets in parallel with said conductor wires and attaching means carried by said sockets.

2,453,696
DENTAL ROOT PREPARATION INSTRUMENT
Phillips Brooks, Brooklyn, N. Y.
Application January 13, 1947, Serial No. 721,737
9 Claims. (Cl. 32—59)



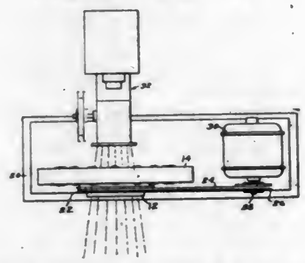
1. A reamer for preparing a tooth root for receiving a crown tooth comprising a tapered shank, a cap at the upper end of said shank including a depending annular flange, an abrasive on the lower inner side of said cap and about the inner and outer sides and lower edge of said flange, an outwardly extending annular flange carried by said cap constituting a stop, and a chuck engaging stem extending from the upper end of said cap.

2,453,697
GUN SIGHT HAVING A PLURALITY OF ILLUMINATED RETICLES
Leo H. Brown, Glenville, Conn.
Application March 17, 1944, Serial No. 526,956
2 Claims. (Cl. 88—2.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



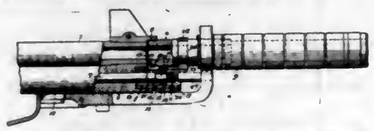
1. In a gun sight, a reticle, collimating means for rays of light from said reticle, a plurality of prisms arranged in a row in abutting relationship to provide a plurality of pairs of abutting surfaces inclined at substantially forty-five degrees to the longitudinal axis of the row, a mirror surface which partially transmits and partially reflects light positioned between each of said pairs of abutting surfaces, said collimating means being so disposed with relation to the first of said mirror surfaces that axial light rays passing from said collimating means are incident upon the first of said mirror surfaces at substantially forty-five degrees; a second plurality of prisms arranged in a row in abutting relationship also to provide a plurality of pairs of abutting surfaces inclined at substantially forty-five degrees to the longitudinal axis of the row, a mirror surface which partially transmits light and partially reflects light between each of said pairs of abutting surfaces, said second row of prisms being so positioned with respect to said first row of prisms that the mirror surfaces in said second row will receive at an angle of incidence a substantially forty-five degrees axial light rays from said collimating means reflected by the mirror surfaces in said first row of prisms.

2,453,698
REVOLVING POLARIZED DISK
Robert A. Campbell, Oak Park, Ill.
Application December 28, 1945, Serial No. 637,536
2 Claims. (Cl. 88—16.6)



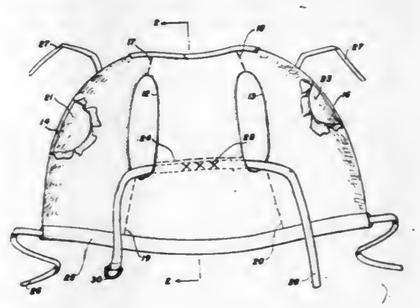
1. In an apparatus for observing an object, the combination of a support adapted to be placed in front of the object, a cylindrical sleeve, a ball bearing means encompassing said sleeve, said support receiving said ball bearing means whereby said sleeve is rotatably mounted in said support in front of the object for rotation, a disc of light-polarizing material in said sleeve and secured to the internal walls thereof, said light-polarizing material being adapted to polarize light therethrough in parallel planes extending parallel to the axis of rotation of said sleeve, means drivingly connected to said sleeve for continuously rotating the same whereby rotation of said light-polarizing disc causes the planes of polarized light to revolve on and about the axis of said sleeve, and a viewer adapted to be worn by an observer for receiving the polarized light from said disc, said viewer having a pair of spaced lenses of light-polarizing material, the light-polarizing planes of said lenses, respectively, being mutually perpendicular to each other, whereby light through said disc will pass through a lens when the plane of polarization of said rotating disc is in alignment with the polarizing plane of the respective lens thereby causing the visibility through one lens to be progressively increased and in the other lens to be correspondingly progressively decreased.

2,453,699
CYLINDER PLUG FOR GAS-OPERATED GUNS WITH GRENADE LAUNCHERS
Charles H. Coates, Baton Rouge, La.
Application January 31, 1945, Serial No. 575,530
5 Claims. (Cl. 42—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a gas operated weapon having a barrel means, means therein forming a gas passage, a gas cylinder means on said barrel means having a gas port in register with said gas passage and a piston rod slidably associated with the gas cylinder means, the combination therewith of a piston mounted in the gas cylinder means for sliding movement therein to cover the gas port when adjacent the piston rod and to uncover the gas port when spaced from said piston rod, a grenade launcher on the barrel means, and means on the grenade launcher engaging said piston to move the same adjacent the piston rod to cover the gas port whereby said piston rod is rendered inoperative.

2,453,700
LIFE JACKET
Robert E. Coombs and Roger C. Hale, United States Coast Guard
Application May 26, 1945, Serial No. 596,069
4 Claims. (Cl. 9—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

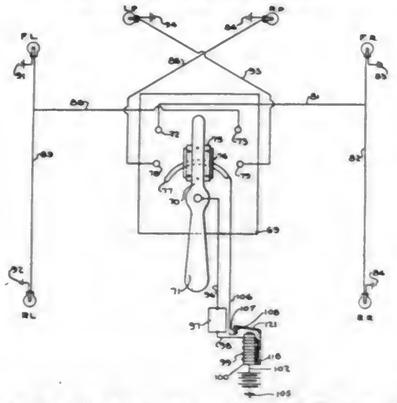


1. A life preserver comprising a vest, there being a pair of arm holes in said vest, a belt attached to the back of said vest and extending from arm hole to arm hole and extending into said arm holes, the free ends of said belt adapted to be drawn through said arm holes whereby the said belt may be fastened around the outside of the vest regardless of which side is outermost.

2,453,701
PROCESS FOR ELECTROLYTIC OXIDATION OF QUINOLINE TO QUINOLINIC ACID
John B. Conn and Jacob van de Kamp, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application January 5, 1946, Serial No. 639,424
3 Claims. (Cl. 204—78)

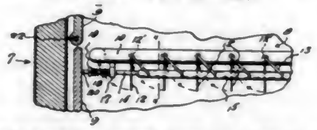
1. The process of preparing quinolinic acid that comprises reacting an amount of quinoline with about four times its weight of 20% oleum; diluting the resulting mixture of sulfuric acid and sulfonated quinoline to about twice its volume with water and charging to the anode compartment of a two-compartment electrolytic cell having a lead dioxide coated lead anode, oxidizing the sulfonated quinoline by electrolysis at a current density of about 1.5 amperes per square decimeter of anode surface until about 370 ampere hours per mole of sulfonated quinoline have been consumed, then reducing the current density to about 0.75 ampere per square decimeter of anode surface and continuing electrolysis for about 220 ampere hours per mole, and recovering quinolinic acid from the anolyte.

2,453,702
DIRECTION SIGNALING SYSTEM FOR AUTOMOTIVE VEHICLES
Guy H. Coulter, Detroit, Mich., assignor to United Lens Corporation, Detroit, Mich., a corporation of Delaware
Application July 27, 1942, Serial No. 452,521
3 Claims. (Cl. 177—311)



1. A directional signal system including a plurality of spaced directional electrical illuminating signals, one at the front of the vehicle and the other at the rear, both on the same side of the vehicle; a source of electrical energy; a main circuit having a common lead in part between said source of energy and each of said signals; a flashing device interpolated in said main circuit for periodically interrupting the circuit to said directional signals; a manually settable and automatically releasable switching mechanism whereby the operator may indicate the direction of turning of the vehicle by said directional signals; a single pilot light for both of said signals adapted to be located on the dash of the vehicle, a secondary circuit for said pilot light connected to said source of energy through said common lead, an automatically operated switch in said pilot light circuit; and electromagnetic means for controlling said pilot switch, the operating winding of said electromagnet interpolated in said main directional signal circuit and arranged to close said switch upon the passage of current sufficient to energize both of said directional signals and to open said switch when one only of said directional lights becomes non-energizable.

2,453,703
LOUVER MEANS FOR CONTROLLING AIR FLOW IN REFRIGERATORS
Caesar P. De Carlo, Sr., Ceiba, P. R.
Application July 31, 1945, Serial No. 608,076
5 Claims. (Cl. 62—89)

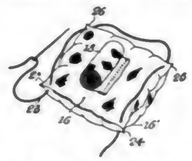


1. A refrigerator comprising a cabinet including a main door opening and a main door therefor affording access to the interior of the cabinet as a whole, and at least one shelf dividing said interior into compartments above and below the shelf, said shelf comprising horizontally pivoted louvers supported across the interior of the cabinet, means connecting all of the louvers for pivotal movement together toward and away from closed position in which the louvers define a substantially imperforate partition across the interior of the cabinet reaching to said main door opening, operating means for urging the louvers toward closed position, and a compartment door hinged on the cabinet in said main door opening in a position to operatively engage said operating means as the compartment door is moved from open toward closed position whereby the louvers of the shelf are opened as the compartment door reaches its closed position.

2,453,704
FURFURYL ALCOHOL-PHENOLIC RESINS
Andrew P. Dunlop, Riverside, Ill., and Edward A. Reineck, Appleton, Wis., assignors to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
No Drawing. Application August 21, 1944, Serial No. 550,490
3 Claims. (Cl. 260—47)

3. The process of making artificial resins which consists in condensing one mol of an hydroxybenzene having a plurality of unsubstituted reactive nuclear positions and having no other reactive group than the phenolic hydroxy group with from 1 to 8 mols of furfuryl alcohol at a temperature of 100° C. to 220° C.

2,453,705
FIRST-AID PRESSURE DRESSING
John L. Gallagher, United States Army, Santa Ana, Calif.
Application June 30, 1944, Serial No. 542,996
3 Claims. (Cl. 128—156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

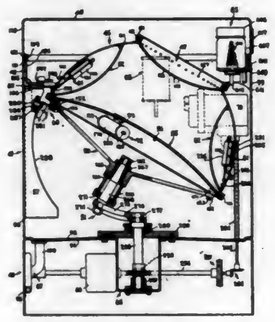


1. A pressure dressing comprising an oblong gauze cover piece folded centrally upon itself to form a square front and rear panel, a plurality of gauze squares of equal dimensions stitched to three adjacent edges of said folded cover piece and the cover piece turned inside-out to form an envelope enclosing said squares, mechanics' waste inserted within said envelope intermediate said gauze squares and said front panel and retained therein by stitches along the fourth edge of said squares to form a dressing for large surface wounds, a rolled bandage attached at one end to the central portion of said rear panel, and a draw string threaded through the corners of said squares adapted to retain them centrally adjacent the attachment of said bandage to form a square pressure dressing of smaller wound coverage area than that of said front panel.

2,453,706
CATALYTIC PRODUCTION OF AMIDES
Paul W. Garbo, Freeport, N. Y.
No Drawing. Application April 18, 1947, Serial No. 742,461
17 Claims. (Cl. 260—295.5)

1. The catalytic process for the amidization of pyridine monocarboxylic acid compounds, which comprises reacting a said compound with ammonia in the presence of a catalyst containing an element selected from groups V and VI of the Mendelieff Periodic System and having an atomic number between 15 and 92, inclusive, and recovering thus produced amide from the resulting reaction mass.

2,453,707
AUTOMATIC WASHING MACHINE
George C. Graham, Ridgewood, N. J., assignor, by mesne assignments, to Graham & Barker, Ridgewood, N. J., a limited partnership
Continuation of application Serial No. 286,303, July 25, 1939. This application July 26, 1944, Serial No. 546,596
39 Claims. (Cl. 68—12)



15. A washing machine wherein articles are washed, the articles are rinsed in newly supplied fluid and afterwards are dried, these actions occurring in sequence automatically, comprising a tub for containing the articles, means operable to supply washing liquid to said tub, motor operated means for effecting a washing action in said tub, openings in at least the upper portion of said tub arranged for draining liquids therefrom, controlled valve means operable to admit liquid to said tub for rinsing the washed articles, fluid operated expansible and contractable means for flushing at least a portion of the washing and rinsing liquids through said upper openings and for drying the articles, and motor operated control means comprising a plurality of elements connected to said valve means and to said expansible and contractable means for effecting said flushing, rinsing and drying.

2,453,708
GRINDING OIL COMPOSITION
Everett C. Hughes, Cleveland Heights, and Franklin Veatch, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October, 15, 1946, Serial No. 703,288
2 Claims. (Cl. 196—151)

1. A grinding oil composition at least 90 weight per cent of which is composed of a mixture of an amount of an unrefined naturally occurring mineral oil having a viscosity of not over 100 SUS at 100° F. within the range of 53 to 78 weight per cent and an amount of an unrefined naturally occuring mineral oil having a viscosity of 2000 to 6000 SUS at 100° F. within the range of 47 to 22 weight per cent to provide a mixture having a viscosity in the range of 150 to 300 SUS at 100° F.

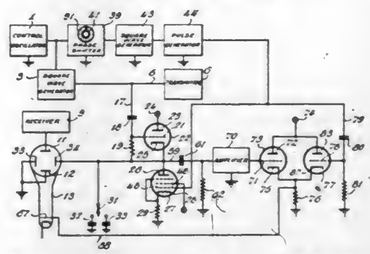
2,453,709
GRINDING OIL COMPOSITION
Everett C. Hughes, Cleveland Heights, and Franklin Veatch, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 13, 1945, Serial No. 628,352
2 Claims. (Cl. 51—281)

1. A method of grinding which comprises grinding steel with a bonded abrasive in the presence of an oil at least 90 weight per cent of which is composed of a mixture of an amount of a mineral oil of 50 to 100 SUS at 100° F. within the range of 53 to 78 weight per cent and an amount of a mineral oil of 2000 to 6000 SUS at 100° F. within the range of 47 to 22 weight per cent to provide a mixture having a viscosity in the range of 150 to 300 SUS at 100° F.

2,453,710
GRINDING OIL COMPOSITION
Everett C. Hughes, Cleveland Heights, and Franklin Veatch, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 17, 1946, Serial No. 697,596
8 Claims. (Cl. 51—281)

4. A method of grinding which comprises grinding metal with an abrasive in the presence of a grinding oil comprising at least 90 weight per cent of a base oil which is composed of a mixture of an amount of a mineral oil of not over 100 SUS at 100° F. within the range of 53 to 78 weight per cent and an amount of a mineral oil of 2000 to 6000 SUS at 100° F. within the range of 47 to 22 weight per cent to provide a viscosity in the range of 150 to 300 SUS at 100° F., and from 0.5 to 10% of an oil soluble phosphorus compound containing a fatty acid radical having at least ten carbon atoms.

2,453,711
CATHODE-RAY TUBE CONTROL CIRCUIT
Eric J. Isbister, Forest Hills, and Walter N. Dean, Larchmont, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Original application July 30, 1942, Serial No. 452,818. Divided and this application October 4, 1943, Serial No. 504,872
8 Claims (Cl. 315—22)



1. A control circuit for a cathode ray tube having beam deflecting electrodes and a beam intensity control grid, comprising means for applying a varying sweep voltage of predetermined direction to said electrodes, means for changing the rate of variation but not the direction of said sweep voltage for a predetermined interval, and means actuated by said last-named means for controlling said grid to alter the brightness of the beam trace during said interval.

2,453,712
PURIFICATION OF TURPENTINE
Milton P. Kleinholz, East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 6, 1946, Serial No. 674,932
2 Claims. (Cl. 260—675.5)

1. A process which comprises heating turpentine with an alcoholate from the group consisting of sodium and potassium alcoholates to remove or inactivate oxygen impurities contained in the turpentine.

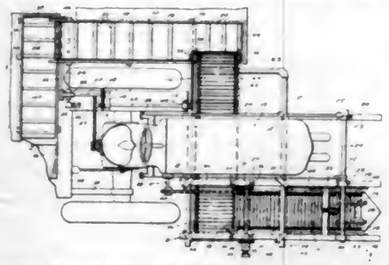
2,453,713
NOVELTY LIGHTER
Joseph P. Kohut, United States Navy
Application February 21, 1946, Serial No. 649,430
2 Claims. (Cl. 67—7.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a cigarette lighter simulating a complete round of ammunition in the form of a projectile and cartridge case, a pair of hinged chambers movable side by side into operating position, a wick protruding from one chamber, sparking means in the other chamber and being disposed a predetermined distance from the wick, and a detachable sleeve secured to the peripheries of both chambers, the several chambers projecting from opposite ends of the sleeve when it is in secured position, the chamber containing the sparking means simulating the projectile, and the sleeve with the chamber containing the wick simulating the cartridge case of the complete round.

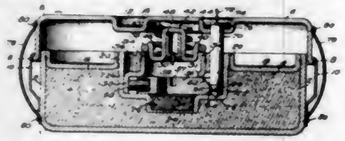
2,453,714
VEGETABLE HARVESTER
Oneil Lapointe, Van Buren, Maine
Application July 14, 1945, Serial No. 605,147
3 Claims. (Cl. 55—51)

1. A root vegetable digger and cleaner comprising a first conveyor mounted on one side of a vehicle adjacent its forward end in parallel relation to its longitudinal axis, a digger blade at the forward end of the first conveyor, a second conveyor extending perpendicular to the first conveyor intermediate the ends of the vehicle and adapted to receive vegetables discharged from the first conveyor, a third conveyor extending parallel with the first conveyor on the side of the vehicle opposite the first conveyor and adapted to receive vegetables from the discharge end of the second conveyor and deliver them to a picking table which extends across the rear of the vehicle parallel with the second conveyor, means on the vehicles to raise or lower the forward end of the first conveyor out of or into



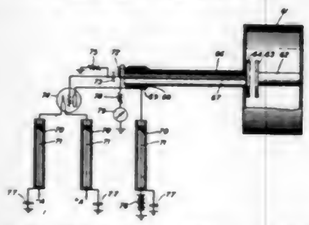
digging position and a yielding support carried adjacent the forward end of the vehicle for supporting the forward end of the first conveyor.

2,453,715
GRENADE MINE
Lyle K. Liljegren, Alexandria, Va., and John W. Moseman, Jr., Bethesda, Md.
Application August 28, 1944, Serial No. 551,590
7 Claims. (Cl. 102—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A mine comprising a movable detonator carrier, a spring urging said carrier to armed position, a bolt comprising cam locking means for said carrier, yieldable against the resilience of the spring for withdrawal from the mine, and spring means for ejection of the locking means, said locking means having a portion for continued blocking of the carrier short of deenergization of the spring means.

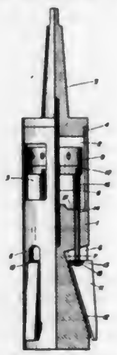
2,453,716
HIGH-FREQUENCY TANK CIRCUITS
Frederick B. Llewellyn, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application January 15, 1938, Serial No. 185,139. Divided and this application April 2, 1941, Serial No. 386,461
3 Claims. (Cl. 178—44)



1. A high frequency oscillatory circuit comprising a substantially closed cylinder, a capacitor comprising two separated plates near one end of said cylinder, means for connecting the inner surface of said near end of said cylinder to an external circuit, two metallic supporting rods one of said rods directly connecting the more central

capacitor plate to the far end of said cylinder, the other of said rods supporting the other of said capacitor plates and extending through but insulated from the near end of said cylinder, said second capacitor plate being supported in such proximity to the said near end of said cylinder that its capacity therewith greatly exceeds its capacity to the first of said capacitor plates, its capacities with respect to the first of said capacitor plates and the said near end of said cylinder being such that said capacities will be electrically resonant with the combined inductance of the first of said supporting rods and that of the internal surface of said cylinder at a predetermined high frequency.

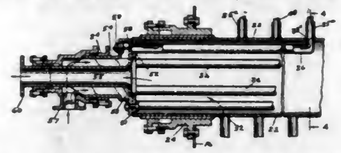
2,453,717
ALIGNING BAR
Harry R. Long, San Pedro, Calif.
Application January 28, 1946, Serial No. 643,953
2 Claims. (Cl. 279—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An aligning bar comprising a cylindrical support having a hollow portion adjacent one end thereof, an access opening in a side wall adjacent said hollow portion, a plurality of inclined, parallel slots formed longitudinally about the periphery of said support along a portion adjacent the other end thereof, said slots being inclined upwardly toward said second mentioned end, and a plurality of longitudinal, parallel bores, extending between said hollow portion and midportions of the adjacent ends of said slots; a screw element axially mounted within said support and extending through the hollow portion thereof; a nut threaded on said screw; a wedge slidably mounted within each of said slots and having its thicker end positioned at the deeper end of the slot; and rods slidably mounted within said bores, one end of each said rods being slidably mounted within the thicker end of an adjacent wedge, and the other end of each rod being in controlled relationship to the said nut.

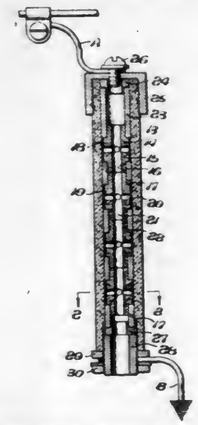
2,453,718
HEAT EXCHANGE APPARATUS
John E. Mason, Denver, Colo., and Clarence White, Capay, Calif.; Virginia A. White, executrix of Clarence White, deceased, and said Mason assignors to The Stearns-Roger Manufacturing Company, Denver, Colo., a corporation of Colorado
Application July 20, 1942, Serial No. 451,530
3 Claims. (Cl. 257—79)

1. Heat exchange apparatus comprising a stationary cylindrical tank closed at its ends and supported in a horizontal position, a hollow rotary drum journaled in the ends of said tank, means exteriorly of the tank for rotating said drum, a series of hollow heat-exchange members held on the drum for conjoint rotation in groups and in fluid-tight connection therewith, adjoining members in said series having their lengthwise axes



joining the drum at intervals lengthwise of the drum, valve-controlled means in said drum for continuously delivering separate streams of fresh heat-exchange medium separately under individual regulation to each group in the series, and means exteriorly of the tank for delivering heat-exchange medium to the medium-delivery means.

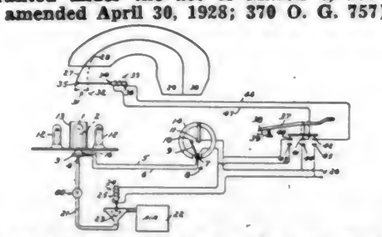
2,453,719
EXCESSIVE POTENTIAL DISCHARGE DEVICE
John Robert McFarlin, Philadelphia, Pa., assignor to Electric Service Manufacturing Company, a corporation of Pennsylvania
Application August 12, 1942, Serial No. 454,594
13 Claims. (Cl. 175—30)



1. An arc interrupter comprising non-conducting means including a tubular element having end sections of smaller diameter than an intermediate section thereof, electrode rings sleeved on said reduced end sections and having peripheral surfaces projecting beyond the peripheral surface of said intermediate section, and a housing for said electrodes and element and having a wall complementary with said intermediate section of the latter and forming therewith an arc slot between said electrodes.

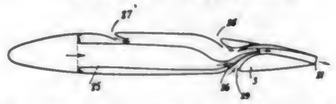
2. An arc interrupter comprising non-conducting means having complementary inner and outer concentric walls forming a curved arc slot, and gap electrodes positioned to form an arc in said slot, said means containing communicating pressure-discharge passages one of which extends substantially parallel with said arc slot and forms a continuous passage from end to end of said means without intersecting said slot and the other of which extends through said inner wall and communicates with said arc slot.

2,453,720
APPARATUS FOR DETECTING PERFORATIONS IN AMMUNITION FLASH TUBES
Leo Meister, Irvington, Va.
Application October 30, 1944, Serial No. 561,144
8 Claims. (Cl. 209—111)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An inspection device for discovering defective ammunition flash tubes containing holes, comprising a source of light; means for projecting said light through said holes; a photoelectric cell having a light sensitive surface; means for gathering any projected light and for directing said gathered light onto said light sensitive surface, said last mentioned means being formed of methyl methacrylate and comprising a frusto-conical portion, a cylindrical extension integral and coaxial with said conical portion and extending from the smaller end of the frusto-conical portion, said extension being receivable in said flash tubes being tested and the larger base of said conical portion being arranged for directing said gathered light onto said light sensitive surface; and means actuated by said photoelectric cell responsive to said gathered directed light for ejecting from the device any flash tubes having holes.

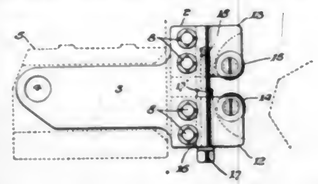
2,453,721
CONTROL FLAP WITH FLUID JETS FOR AIRCRAFT
Pierre Ernest Mercier, Westport, Conn.
Application October 7, 1941, Serial No. 413,942
In France November 22, 1940
8 Claims. (Cl. 244—15)



8. In combination with an airfoil having a pivoted flap at the trailing edge thereof, rearwardly directed propulsive nozzles carried by and movable with the pivoted flap and being of unchanged cross-section in all positions of said flap, said nozzles being further disposed in contiguous relation to one another along the length of said flap, and means associated with said airfoil for establishing an accelerated flow of boundary air along an exterior surface of said airfoil and for discharging same at said nozzles, said means including means for conducting a gas under pressure to and through said nozzles and thereby to exert an aspirating effect on said boundary air.

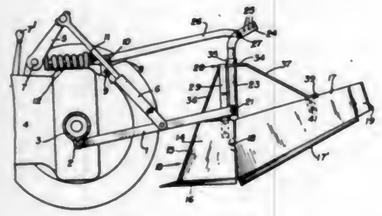
2,453,722
TOOLHOLDER
Jacob E. Moss, Detroit, Mich., assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application May 26, 1944, Serial No. 537,434
3 Claims. (Cl. 29—105)

1. A device for holding self-centering operating tools on a machine, said device comprising, a first clamp member having a clamp portion defining a guide surface, a supporting shank fastened to said first clamp member and having means for pivotal connection to said machine, a second clamp member also having a clamp portion defining a guide surface facing the guide surface of the first clamp member, first tool holder means having a guide portion thereof slidable along said guide surfaces and clampable between said clamp portions, second tool holder means also having a guide portion thereof clampable between the



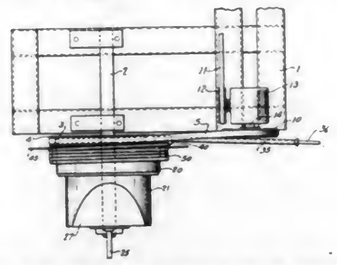
clamp portions and slidable along the guide surfaces toward and away from the first tool holder means, adjusting means interconnecting both the tool holder means for adjustably sliding at least one of the tool holder means along said guide surfaces to position both tool holder means in a spaced position relative to each other along the guide surfaces, and lock means interconnecting the clamping members for drawing the clamp portions tightly against the guide portions of both tool holder means to lock said tool holder means in said spaced position on the guide surfaces.

2,453,723
DITCHER
Robert A. Palmer, John R. Palmer, and George R. Smit, Parma, Idaho, assignors to Western Corrugator Co., Parma, Idaho
Application December 9, 1946, Serial No. 714,940
4 Claims. (Cl. 37—98)



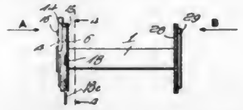
1. A ditch digging unit for use on a tractor having a pair of vertically swingable power lift side arms, and a vertically swingable compression link above said arms, said unit comprising a drawbar adapted to be journaled at the ends thereof in said side arms and provided with an upstanding central post adapted to be pivotally connected to said compression link, an upstanding yoke vertically slidable on said post into different set positions, a plow fast on the lower ends of said yoke, and a pair of elongated spreader panels pivotally mounted at ends thereof on said plow to extend endwise from opposite sides thereof in divergent relation, the pivotal mounting for said panels providing for swinging adjustment of the panels vertically and laterally, out-turned deflector extensions on the other ends of said panels, and means for attaching said panels to said yoke in adjusted positions thereof.

2,453,724
COILING MACHINE
Arthur W. Payne, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan
Application July 26, 1945, Serial No. 607,216
6 Claims. (Cl. 153—64)



1. An apparatus for forming work pieces such as lengths of tubing or the like into coils which comprises, the combination of a rotary forming pulley, a second pulley spaced from the forming pulley, a belt operating over the pulleys, means for guiding a work piece into the confluence of the belt and the forming pulley, and guiding means positioned adjacent the periphery of the forming pulley in a location between separation of and the confluence of the forming pulley and the belt for engaging the work piece and shifting it axially out of the confluence of the belt and the pulley.

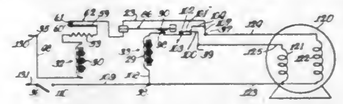
2,453,725
COIL-SUPPORTING STRUCTURE
Osborne I. Price, Frederick, Md., assignor to Magnetic Devices, Inc., Frederick, Md., a corporation of Maryland
Application February 14, 1946, Serial No. 647,464
12 Claims. (Cl. 175—21)



1. A coil-supporting structure comprising a magnetic core, an envelope of insulation material extending over said core, a metallic and plate secured to said core, said metallic end plate being perforated adjacent one edge thereof and a head of insulation material interposed between said envelope and said metallic end plate, and a projection of insulation material extending from said head of insulation material disposed from said magnetic core and extending through the perforation in said metallic end plate for keying said head of insulation material with said metallic end plate.

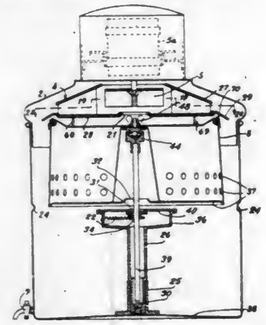
2,453,726
INDUCTION MOTOR STARTING RELAY
Robert E. Prouty, Logansport, Ralph E. Bish, Flora, and Richard L. Adams, Logansport, Ind., assignors, by mesne assignments, to Essex Wire Corporation, Logansport, Ind., a corporation of Michigan
Application April 4, 1945, Serial No. 586,596
17 Claims. (Cl. 318—221)

1. A device for use with an electric motor having a running winding and a starting winding comprising contact means adapted to be connected in circuit with said starting winding, electromagnetic means including a tuned reed armature, said tuned reed armature being adapted to vibrate responsive to vibration of said motor at a predetermined speed of rotation thereof, said tuned reed armature upon vibration thereof effecting



energization of said electromagnetic means, said electromagnetic means when energized being adapted to attract said tuned reed armature, and said tuned reed armature in its attracted position providing for opening said normally closed contacts.

2,453,727
AIR-PROPELLED EXTRACTING MACHINE FOR LAUNDRY
Christian Oskar Rasmussen, Copenhagen, Denmark; vested in the Attorney General of the United States
Application April 27, 1942, Serial No. 440,704
In Denmark June 4, 1941
3 Claims. (Cl. 210—66)

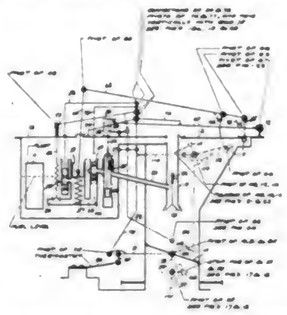


1. A laundering machine having in combination a casing provided with an open end and a closed end; a cover removably mounted on said casing; vane means rotatably mounted within the cover for causing air current flow within said casing when said vane means are rotated; a rotatable drum in said casing; second vane means seated on the end of said drum adjacent said cover and said first vane means; securing means for connecting said second vane means and said drum to each other; means for mounting said drum and second vane means for movement relative to said first vane means in a direction transversely of the axis of rotation of the drum, said drum mounting means including pivot means axially positioned within said casing, and a shaft pivotally supported by said pivot means, rotatably supporting said drum; and brake means jointly carried by said second vane means and said cover for braking the rotation of said second vane means and associated drum.

2,453,728
CARBURETOR
John T. Rauen, Grosse Pointe, Mich.
Application October 7, 1940, Serial No. 360,046
67 Claims. (Cl. 123—119)

1. In a carburetor, a mixing chamber, a pump for delivering fuel to said mixing chamber, varia-

bly opening valve means for automatically varying the amount of fuel delivered to said pump in response to engine operation, said valve means opening and closing in response to operation of



said pump as effected by engine operation under conditions which cause variations in pressure or velocity of flow in the induction system of the engine.

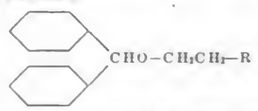
2,453,729

BENZHYDRYL AMINO ETHERS

George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application August 5, 1946, Serial No. 688,424
7 Claims. (Cl. 260—243)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula



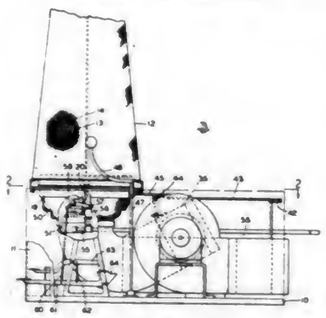
where R is a member of the class consisting of piperidino, morpholino, thiomorpholino and pyrrolidino radicals.

2,453,730

GARMENT STEAMING AND DRYING APPARATUS

Julian C. Shaw, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application May 20, 1946, Serial No. 670,866
7 Claims. (Cl. 223—70)



1. Garment finishing apparatus of the character described, comprising a base, a hollow, foraminous garment supporting form mounted upon said base and provided with partition means dividing the space within said form into a plurality of chambers, each open at its bottom, means for producing air flow through said chambers by way of their bottom openings, and means effective while said air flow producing means is in operation for obstructing flow through all but one of said chambers.

2,453,731

ELECTRICAL CONNECTOR

Howard E. Somes, Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio

Application January 11, 1945, Serial No. 572,317
6 Claims. (Cl. 173—324)



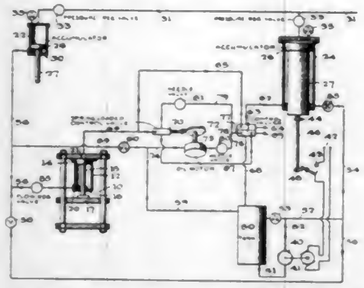
1. An electrical connector comprising inner and outer concentric electrical conductors, each having an arm, said arms lying in a common plane and disposed at an angle relative to each other, a body of electrical insulation insulating said conductors and arms from each other, a mounting block of electrical insulating material abutting said arms, and means securing said block to said arms, said block having openings therethrough and said arms having openings therethrough aligned with said block openings for connection with spaced terminals of an electrical device.

2,453,732

HYDRAULIC CYCLING SYSTEM

William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application May 22, 1944, Serial No. 536,781
10 Claims. (Cl. 60—51)



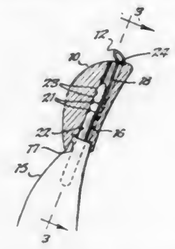
1. In a system of the type described, in combination, a double acting hydraulic cylinder and piston, a source of low pressure fluid continuously connected to the cylinder to urge said piston in one direction, a source of high pressure fluid of substantially constant pressure having a connection to the opposite end of said cylinder, a valve in said last mentioned connection adapted to be positioned only to connect said source to said cylinder or to connect the cylinder to waste, mechanism for periodically moving said valve alternately to its two positions including a fluid actuated continuously running rotary motor, means connecting said motor to said source of high pressure fluid and a cam driven by said motor to actuate said valve, a manual valve jointly controlling the flow of fluid to said first valve and to the said motor, said last mentioned valve also controlling the discharge from the first valve and an independent valve for determining the fixed speed of the motor to thereby regulate the length of stroke of the piston.

2,453,733

NECKTIE

Alfred F. Taborski, Buffalo, N. Y.

Application May 11, 1946, Serial No. 669,150
10 Claims. (Cl. 2—150)



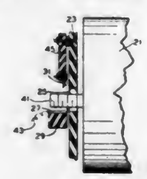
1. A necktie comprising a knot portion having a passage from top to bottom, an element disposed in said passage and having arms extending laterally in opposite directions therefrom at the top of said passage and formed for attachment to a neck band, a drape, and a member secured to one end of said drape, extending upwardly into and along said passage from the lower end of the passage, and over-running and detachably engaging with said element by relative crosswise displacement movement of the engaging parts of said member and element, to hold said drape to the knot portion and said element within said passage.

2,453,734

METER PEDESTAL

Roy J. Teetsell, Red Bank, N. J.

Application March 10, 1944, Serial No. 525,961
3 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



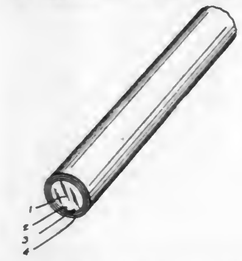
1. A meter pedestal for meters having two spaced terminals comprising a base, an enclosed box of nonconducting material mounted upon said base, one wall of said box having two elongated apertures, two elongated knife-edge contacts within said box and respectively disposed behind said apertures, a bar of insulating material carrying two elongated flat contacts within said box and respectively disposed behind said apertures and respectively opposing said knife-edge contacts, a rod extending through a wall of said box and provided with a knob outside said box and attached to the bar aforesaid inside said box, spring means urging the flat contacts toward the knife-edge contacts respectively, two electrical leads extending from outside the box respectively to each pair of opposing contacts, the flat contacts being movable away from the knife-edge contacts upon movement of the knob whereby meter terminals of various spacings may be mechanically and electrically gripped by said contacts.

2,453,735

FOUNTAIN SOLUTION ROLLER

William Craig Toland, Brookline, and Munroe H. Hamilton, Lexington, Mass., assignors, by mesne assignments, to William Craig Toland, Brookline, Mass.

Application January 18, 1945, Serial No. 573,384
8 Claims. (Cl. 101—148)



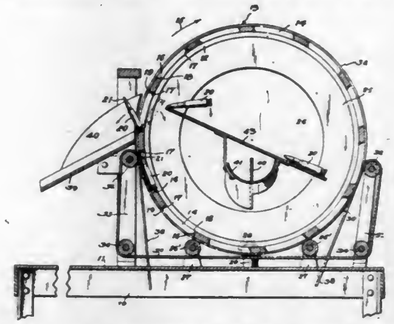
1. As an article of manufacture a roller for use in planographic printing, said roller being covered with a water-swellable material which includes a water-soluble dibasic acid.

2,453,736

CARTRIDGE ORIENTATING HOPPER

John H. Woodberry and Frederick W. Hoewischer, Metuchen, N. J.

Original application July 24, 1942, Serial No. 452,174. Divided and this application May 26, 1945, Serial No. 596,072
4 Claims. (Cl. 209—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



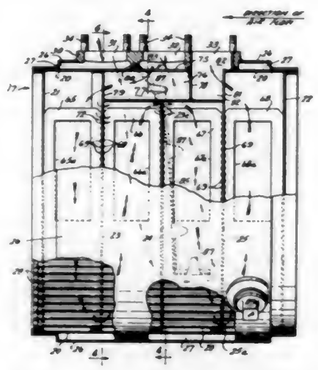
1. An ordering means for cartridges comprising a cylinder, means to rotate the cylinder, said

cylinder having a multiplicity of slots formed in the wall thereof, the dimensions of which slots measured circumferentially equal at least the longitudinal dimension of the cartridges and the dimensions of the slots transversely equal the corresponding dimensions of the cartridges, means without and concentric with the cylinder to confine cartridges to the cylinder in the lower part at least and at the ascending side to a level near but not higher than a horizontal radius of the cylinder, and a cartridge-base-supporting edge element at the trailing end of each slot spaced from said cartridge confining means more than one-half the diameter of the base of the cartridge, each said slot including a support surface at its trailing end inclining outwardly of said supporting edge element and opposite the direction of motion of said cylinder.

2,453,737
OIL TEMPERATURE CONTROL UNIT

Weldon Worth, Dayton, Ohio

Application December 11, 1944, Serial No. 567,764
3 Claims. (Cl. 257—128)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



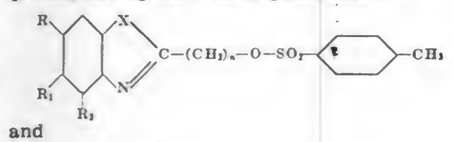
1. In an oil cooler of the type having a body provided with an inlet and an outlet for the oil, both the inlet and the outlet being at the top of the body, and also having a multiplicity of cooling tubes within the body, each open end to end for the passage of cooling air and each being parallel to the longitudinal axis of the body and all being below said inlet and outlet, so that oil from the inlet may pass down over the outer surfaces of the tubes and may be cooled thereby; a plurality of header plates arranged transversely of the longitudinal axis of the cooler body, said cooling tubes passing through the header plates, said header plates providing a plurality of passes for directing flow of oil downwardly from the inlet to the bottom of the cooler and upwardly to the outlet of the cooler; and a plurality of heat-conducting members made of thin metal of good conductivity, each heat-conducting member being located between and in edgewise contact with two of the header plates and having an edge reduced in its plate-contacting area to reduce heat loss to the plate, and all the heat-conducting members lying in substantially the same plane though separated by the header plates; each heat-conducting member extending from a point near the top of the cooler to a point near the bottom thereof.

2,453,738
MODIFIED CYANINE DYES

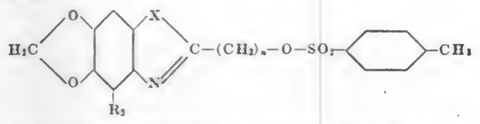
Alfred W. Anish, Vestal, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 7, 1946, Serial No. 695,559
10 Claims. (Cl. 260—304)

1. A compound of the class consisting of compounds having the following formulae:



and

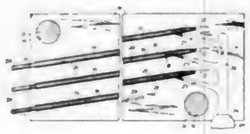


wherein R represents a member selected from the class consisting of hydrogen, halogen, aliphatic, and anilino groups, R_1 represents a member selected from the class consisting of hydrogen, halogen, and aliphatic groups, R_2 represents a member selected from the class consisting of hydrogen and aliphatic groups, X represents a member selected from the class consisting of oxygen, sulfur, and selenium, and n represents a numeral ranging from 1 to 2.

2,453,739
METHOD FOR PRODUCING PLASTIC-COATED KNITTING NEEDLES

Wells C. Bates, Chester, Conn., assignor to C. J. Bates & Son, Chester, Conn., a partnership composed of Hamilton C. Bates, Sr., Wells C. Bates, and Hamilton C. Bates, Jr.

Application February 18, 1947, Serial No. 729,269
4 Claims. (Cl. 18—59)

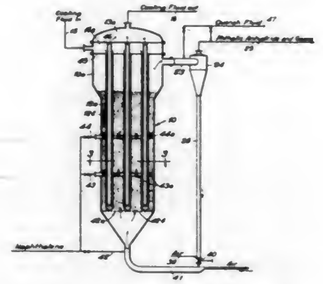


1. The method for producing plastic-coated knitting needles which includes the steps of: movably supporting a rod-like core-member of relatively-small diameter in an elongated molding-cavity of relatively-large diameter throughout the major portion of its length and which cavity is formed at one end with a tapering tip-forming portion; forcing an end of the said core-member into engagement with the tapering tip-forming portion of the said cavity to hold the portion of the core-member adjacent its said end out of engagement with the walls of the cavity proper; injecting a plastic coating material around the said core-member while the same is thus centered; and subsequently slightly axially retiring the said core-member out of engagement with the tapering tip-forming portion of the said cavity before said coating material loses its plasticity and forcing the said coating material to fill the said tip-forming portion and thus provide the now-coated core with a unitary tapering tip of plastic material.

2,453,740
OXIDATION OF ORGANIC COMPOUNDS AND MANUFACTURE OF PHTHALIC ANHYDRIDE

Sam B. Becker, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application February 16, 1945, Serial No. 578,310
6 Claims. (Cl. 260—342)

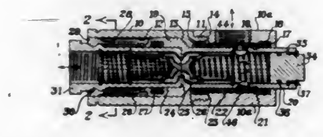


6. The method of converting naphthalene hydrocarbons into phthalic anhydride which comprises introducing said hydrocarbons at at least one low point into an oxidation zone containing a deep mass of solid oxidation catalyst particles comprising vanadium oxide and having a particle size chiefly within the range of 10 to 100 microns, introducing an air stream at the base of said zone at such a rate as to maintain therein an upward gasiform stream velocity in the range of .5 to 5 feet per second and sufficiently low to maintain the catalyst as a suspended dense turbulent phase superimposed by a light dispersed catalyst phase in a catalyst disengaging space which extends upwardly a substantial distance above the dense phase level, operating said oxidation zone under pressure of about 15 to 20 pounds per square inch at a temperature of about 700° F., introducing about 5 to 30 pounds of air per pound of naphthalene hydrocarbons introduced, maintaining a substantially constant temperature in the oxidation zone by removing heat in situ directly from the dense phase above the point at which air is introduced into said zone, separating catalyst particles from the gasiform stream withdrawn from the upper part of the disengaging space, returning said separated particles to said dense phase and recovering phthalic anhydride from said withdrawn stream after catalyst particles have been separated therefrom.

2,453,741
HYDRAULIC HOSE COUPLING

Cecil W. Bopp, Waterloo, Iowa

Application February 24, 1947, Serial No. 730,325
4 Claims. (Cl. 284—18)

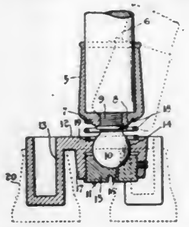


1. A hose coupling comprising, a tubular body having axial openings of different diameters extending inwardly from opposite ends, the larger opening terminating in an annular shoulder, a tubular clamping sleeve mounted in the body for relative longitudinal movement, the sleeve having two sections of unequal outside diameters adapted to fit the correspondingly sized openings in the body, the wall of the opening of smaller diameter in the body having an enlarged section, an inlet port opening in communication therewith, the wall of the clamping sleeve having an opening in communication with the enlarged section, the outer end of the axial opening in the smaller end of the clamping sleeve having a removable plug closure, the inner end of the last named opening terminating in an inwardly extending flange forming a valve seat, a valve slidable in the opening, means comprising a spring for urging the valve to closed position, means comprising a spring for urging the clamping sleeve in the direction of its smaller end relative to the body, the end of the clamping sleeve having the larger outside diameter terminating in a plurality of resilient fingers whose ends are provided on the inside with convex surfaces lying in a plane perpendicular to the axis of the clamping sleeve, and on the outside with arcuate surfaces, and a tubular hose adapter of a size to fit the opening in the larger end of the clamping sleeve, in abutting relation with the flange, the inner end of the hose adapter having an inwardly directed flange forming a valve seat, a valve positioned in the adapter, movable into sealing relation with said valve seat, a spring urging the valve towards the seat, the outer surface of the adapter having a concave groove adapted to receive the convex inner surfaces of the fingers to hold it in operative position when the clamping sleeve is positioned entirely within the body.

2,453,742
TERMINAL ATTACHMENT FOR CRUTCHES AND THE LIKE

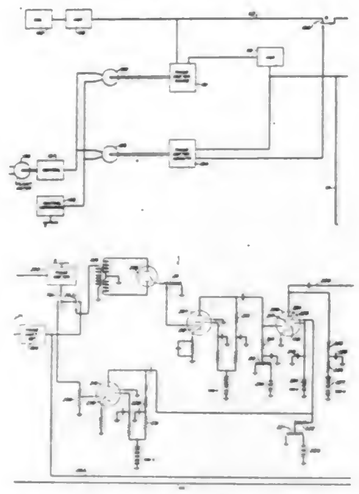
Henry B. Bowen and Arthur M. Vineberg, Montreal, Quebec, Canada

Application March 23, 1945, Serial No. 584,462
1 Claim. (Cl. 135—53)



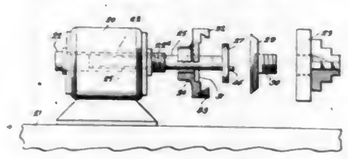
A terminal attachment of the character described, comprising a plate provided with a central vertical opening having its defining wall spherically curved to provide a ball seat, a socket-forming wall extending downwardly from a portion of the plate encircling said opening, ground-engaging members extending downwardly from portions of the plate located outwardly of said wall, a ball member fitted against said ball seat so that the major portion of the ball member is disposed below the upper surface of the plate with a substantial portion of the ball member lying below the bottom surface of the plate and within the socket formed by said wall, a ball-retaining plug removably secured in said socket and provided with an upwardly facing, spherically curved seat engaging the portion of the ball disposed within said socket, a ferrule having its lower end secured to a part of the ball projecting above said plate and resilient biasing means arranged to act against said plate and said ferrule.

2,453,743
SIGNALING SYSTEM AND TRAINING DEVICE FOR TARGET TRACKING
Orfeo Cesareo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 6, 1943, Serial No. 513,043
6 Claims. (Cl. 35—10)



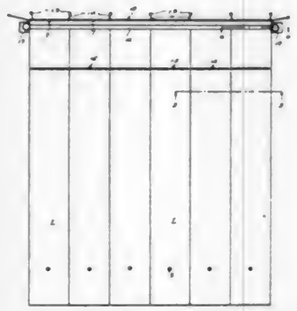
1. In an apparatus for training students in the art of locating moving objects the combination of a source of alternating waves of base phase, a screen, means for utilizing a wave from said source to form visible images on said screen, a phase shifter, means for applying to said phase shifter a second wave from said source, means for operating said phase shifter to vary the phase of said second wave in accordance with the changing angular relation, with respect to a reference point, of an imaginary object moving along a given course in space, means for utilizing said second wave of shifted phase to vary the relationship of said images in accordance with said changing angular relation, a second phase shifter operated by the student for introducing another variation of phase in said second wave, and means effective when the phase variation introduced by the student bears a definite relationship to that introduced by said first phase shifter for maintaining a desired relationship between said images.

2,453,744
LATHE
Hiriam Darden Chambliss, Oak Ridge, Tenn.
Application May 1, 1946, Serial No. 666,346
10 Claims. (Cl. 279—6)



4. In combination with a lathe head having a hollow drive shaft, a member connected to said shaft for rotation therewith, a stationary shaft extended through said hollow drive shaft and said member, said member having a recess, said stationary shaft carrying a block seated in said recess and having a diametrically arranged outwardly facing groove, a pin mounted in said groove for adjustment longitudinally thereof, adjusting means for varying the position of said pin and locking it in such position, and a driven element connected to said member to rotate therewith and to reciprocate radially with respect to the axis of rotation, said element having a radially arranged groove for slidable reception of the free end of said pin.

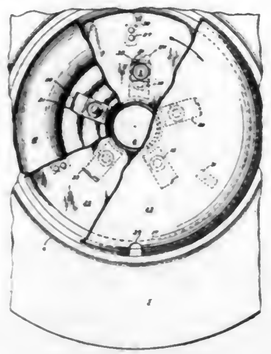
2,453,745
GOLF GAME AND INSTRUCTIONAL APPARATUS
Hod Clarence Dunfee, Miami, Fla.
Application March 22, 1945, Serial No. 584,160
1 Claim. (Cl. 273—35)



A game apparatus comprising a field of play, divided into a plurality of lanes of play which lanes extend lengthwise of said field, a flexible net extending across the rear ends of said lanes and suspended to yield rearwardly over all points of its surface, a plurality of targets carried by said net, one for each lane of play, and each target comprising a plurality of spaced concentric lines of material flexible enough to also yield with the net, a row of putting wickets across each of the lanes of play, said wickets being spaced from the bottom edge of said net, and a ball return trough extending across all of the lanes of play and located close enough to the bottom of the net to receive balls which fall directly downwardly from said net and also located to receive the balls which pass through said wickets.

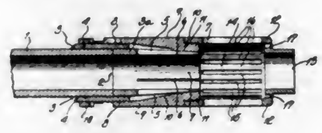
2,453,746
WHEEL AND TIRE LOCKING DEVICE
George H. Duvall, Jr., Los Angeles, Calif.
Application March 30, 1945, Serial No. 585,779
11 Claims. (Cl. 70—259)

1. A locking hubcap for a vehicle wheel comprising a hubcap of a size to enclose the wheel bolts and valve stem of an automobile wheel, an inner supporting plate for said hubcap, a plurality of fastening members extending outwardly from said wheel bolts, said plate having a corresponding plurality of openings therein for providing entrance of the ends of said fastening members through said plate in one position of said hubcap with respect to said fastening members, each of said openings having a narrower width to prevent withdrawal of the ends of said fastening members from said plate in other positions of said hubcap with respect to said fastening members, and means to control the positioning of said hubcap with respect to said fastening members, said last mentioned means including a lock having a stepped bolt for maintaining said



hubcap in said other positions to prevent withdrawal of the ends of said members from said plate, and to permit a predetermined amount of rotation of said plate with respect to said members to expose said valve stem through said hubcap.

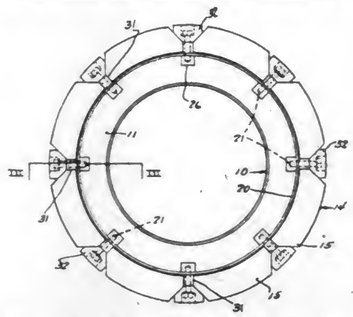
2,453,747
SHOTGUN CHOKE
James E. A. Egleson, Essex Fells, N. J.
Application October 31, 1947, Serial No. 783,285
14 Claims. (Cl. 42—79)



1. Choke mechanism for a shotgun comprising a constrictable split muzzle extension, a coaxial annular member provided with a plurality of openings laterally adjacent the mouth of said split muzzle extension that present inclined faces effective to rotate said annular member responsive to expansion of gases discharged from said split muzzle extension, and means for constricting said split muzzle extension responsive to said rotation of said annular member.

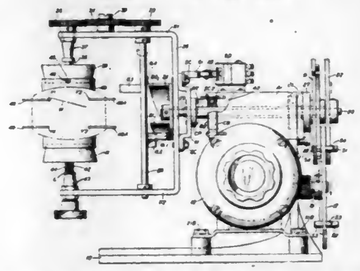
2,453,748
SURFACING RUNNER
John M. Fisher and Merle M. Eakins, Ford City, Pa., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 5, 1947, Serial No. 739,720
6 Claims. (Cl. 51—209)

1. In a runner assembly for surfacing apparatus, a runner cap of plate form, a ring connected edgewise upon the bottom of the cap, additional rings disposed in coaxial relation to the first ring, adjacent rings having rim portions overlapping in axial directions and having their wall surfaces substantially flush with one another, bonded abrasive material defining an annular contour and arranged in coaxial relation to the rings, each ring having a series of connections spaced at intervals circumferentially of the ring



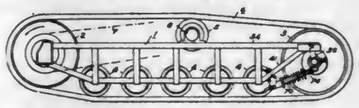
and securing the ring and abrasive material in rigid relation.

2,453,749
COIL-WINDING MACHINE
Harry A. Hilsinger, Jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 7, 1946, Serial No. 675,203
5 Claims. (Cl. 140—92.2)



1. In a machine for winding rectangularly-shaped coils two opposite sides of which are curved and the other sides straight, said machine comprising a rotatable frame, a mandrel for the coils mounted on said frame having tangentially disposed pins at its periphery, a rotatable cam, a shaft rotatably mounted on said frame actuated by the operation of said cam, and a mechanism for successively intermittently actuating said cam and said frame, said cam imparting rotation to said mandrel for winding the curved sides of the coil as determined by the angular spaced relation of said pins on said mandrel and the rotation of said frame winding the straight sides of the coil.

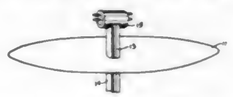
2,453,750
ENDLESS TRACK MECHANISM
Igor A. Kamlookhine, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 1, 1944, Serial No. 533,485
12 Claims. (Cl. 305—9)



1. In a self-laying track mechanism of the type in which a structure for operatively mount-

ing an endless track belt comprises a frame and a track engaging wheel mounted on said frame for movement relative thereto in track tensioning and track releasing directions, and in which said track belt is operative to determine a normal track tensioning limit position of said wheel, the combination of first resilient means associated in thrust transmitting relation with said frame, second resilient means having a yielding characteristic different from that of said first resilient means, and means mounting said second resilient means for movement with said wheel relative to said frame and in tandem relation with said first resilient means.

2,453,751
ANTENNA REFLECTOR SYSTEM
Donald Kinnier, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 26, 1944, Serial No. 551,340
14 Claims. (Cl. 250—33.65)



3. An ultra-high frequency antenna system comprising a reflector; di-poles for radiating energy to said reflector and a feeding system for propagating energy to said di-poles including a cavity resonator, said di-poles being insulatedly mounted in said cavity resonator and protruding therefrom.

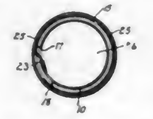
2,453,752
EMULSION ADAPTED FOR COATING TEXTILES
Fred G. La Piana, Forest Hills, N. Y., and Herman S. Bosland, Paterson, N. J., assignors to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 2, 1940, Serial No. 364,036
3 Claims. (Cl. 260—6)

1. A composition adapted to be used in textile coloring comprising a pigment dispersed in an emulsion in which the inner phase comprises a dispersion of a vulcanized vegetable oil in a water-immiscible organic liquid, and the outer phase comprises an aqueous dispersion of material comprising the product obtained by adding urea and an aldehyde to a protein dispersion, said material being capable of being formed into a water-insoluble resin.

2,453,753
METHOD OF MANUFACTURING CATHODES OF ELECTRIC DISCHARGE TUBES
Robert Loosjes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
No Drawing. Application February 8, 1947, Serial No. 727,303. In Belgium November 4, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 4, 1964
3 Claims. (Cl. 250—27.5)

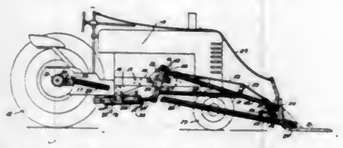
1. A method of manufacturing a cathode of an electric discharge tube, which comprises treating a cathode core with an alkaline earth material in an evacuated space to provide a layer of an alkaline earth metal oxide, covering the layer with a film of a metal selected from the group consisting of copper, silver, and gold, removing the cathode thus formed from that space and disposing the cathode in the tube in which it is to be used, sealing the tube and removing the metal film from the cathode by volatilization of the metal.

2,453,754
HOLDER FOR LIPSTICKS AND THE LIKE
Cyril W. Mellette, Middlebury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application May 30, 1945, Serial No. 596,660
1 Claim. (Cl. 206—56)



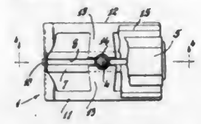
In a rotary lipstick-holder of the type having a shell-member, a body-member rotatable within the said shell-member, a lipstick-carrier movable lengthwise within the said body-member, advancing-and-retracting means to advance and retire the said carrier by a relative rotary movement between the said body-member and shell-member, and a removable closure-cap telescopically fitting over the exterior of the said shell-member; the improvement which includes: a flexible guard-member carried by the shell-member adjacent its outer end and movable laterally with respect to the said body-member and shell-member into and out of the path of the said telescoping closure-cap, the said flexible guard-member being springset to normally lie inwardly out of the path of movement of the said closure-cap, the said body-member being formed adjacent its outer end with a clearance-opening receiving the said guard-member when the said carrier-member is in its retired position; and actuating-means adjacent the edge of the said clearance-opening and having camming engagement with the said guard-member to project the latter laterally outwardly into the path of the said closure-cap when the body- and shell-members are relatively turned in the direction serving to cause the said advancing-and-retracting means to advance the said carrier, to thereby hinder the inadvertent telescoping of the said cap over the said shell-member.

2,453,755
LOAD MOVING MACHINE
Horace C. Perman, Waterloo, Iowa
Application May 15, 1946, Serial No. 669,838
4 Claims. (Cl. 214—140)



1. A tractor mounted load moving machine comprising a wheel supported tractor body, aligned bearings secured to opposite sides of the tractor body, a U-shaped rocker positioned with its base underneath the tractor body, the upper ends of the limbs having pivots journaled in the bearings, a hydraulic cylinder positioned underneath the tractor body with one end pivotally connected therewith, a piston and piston rod operatively associated with the cylinder, the outer end of the piston rod being pivoted to the base of the U-shaped rocker, a lifting arm removably connected with each limb of the U-shaped rocker, projecting forwardly from the latter, a load moving means comprising a rigid beam on each side of the tractor body positioned below the lifting arms, the rear ends of the beams being pivotally connected with the tractor body adjacent the rear axle, means comprising a load carrying element interconnecting the front ends of the beams, and a tension element connecting the front end of each lifting arm with the corresponding beam, whereby when the piston rod is moved forwardly the load carrying element will be raised.

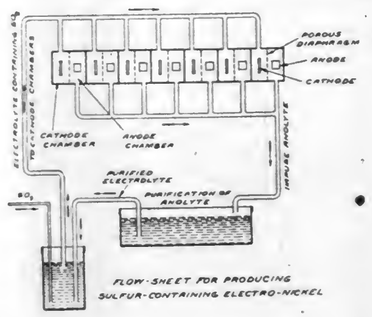
2,453,756
SAFETY RAZOR
Giuseppe F. Pinsuti, New York, N. Y.
Application November 12, 1946, Serial No. 709,375
5 Claims. (Cl. 30—74.1)



1. In a safety razor, the combination of a retainer cap having thin longitudinal side portions and a thick center portion from whose lower side extends a pin adapted to be screwed into the upper extremity of a handle, with a longitudinal center bar having an aperture through which said pin is loosely extended, and a guard plate being longitudinally divided into two members which are hinged to the extremities of said center bar and provided with inwardly extended tongues adapted to be pressed between said center bar and a razor blade which is inserted beneath said retainer cap, so as to keep said members in a substantially horizontal position when said handle is screwed tightly upon said pin, but to allow said members to be brought into a substantially vertical position when said handle is loosened on said pin thus rendering both surfaces of the edge portions of said razor blade unobstructed for sharpening the blade without taking it off from the razor.

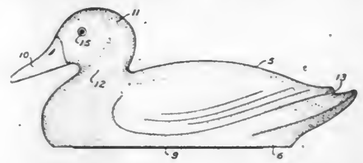
2,453,757
PROCESS FOR PRODUCING MODIFIED ELECTRONICKEL
Louis Secondo Renzoni, Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application August 6, 1943, Serial No. 497,601
In Canada June 12, 1943
4 Claims. (Cl. 204—37)

1. A process for producing electro-nickel having good activity as anode up to pH 5.5 (Q.) in nickel electro-plating baths and corroding as anode at pH up to 5.5 (Q.) without the production of undesirable amounts of loose nickel and sludge, which comprises purifying an electrolyte containing nickel and at least one of the group of impurities consisting of copper, iron, arsenic and lead to obtain a purified electrolyte substantially devoid of said impurities, positively introducing an effective amount of an electrolyte-soluble sulfur-bearing compound selected from the group consisting of sulfur dioxide and sulfites and acid sulfites of the alkali metals and alkaline earth metals into said purified electrolyte, electro-depositing nickel from said purified electrolyte to obtain electro-nickel containing about 0.005% sulfur to about 0.03% sulfur, and subjecting said



electro-nickel to heat treatment at temperatures of about 1500° F. to about 1800° F. in a non-oxidizing atmosphere.

2,453,758
ART OF MANUFACTURING AQUATIC DECOYS
Arthur H. Risch, Wauwatosa, Wis., assignor to Pulp Reproduction Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 20, 1945, Serial No. 589,285
2 Claims. (Cl. 43—3)

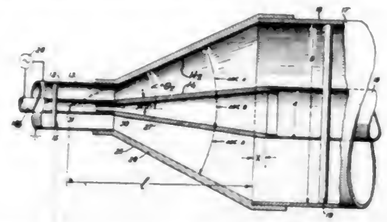


1. A molded pulp aquatic decoy comprising, a hollow molded fibrous shell having a continuous wall of substantially uniform thickness throughout and having an opening therein through which the fibrous material is admitted during molding, said wall forming the main body portion having weakened local portions projecting therefrom, asphalt coatings thickly applied to the interior surface of said shell at the local areas of weakness of said projecting portions to reinforce and waterproof the same, said asphalt being introduced to the shell interior through said opening, and means for sealing said opening.

2,453,759
TAPERED UNION FOR CONCENTRIC CONDUCTOR LINES
Albert L. Robinson, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 20, 1943, Serial No. 514,948
1 Claim. (Cl. 178—44)

A microwave transmission line comprising two sections of coaxial conductor line having different physical sizes and arranged to have the same ratio of the inside diameter of the outer conductor to the outside diameter of the inner conductor for both said sections, and a tapered union for connecting said two sections, comprising conically tapered outer and inner conductors extending coaxially in the same direction and proportioned

so that the inside surface of the tapered outer conductor and the outside surface of the tapered inner conductor have a common apex, said tapered conductors being further proportioned so that the ratio of the angle formed between the axis of said union and the inside surface of said



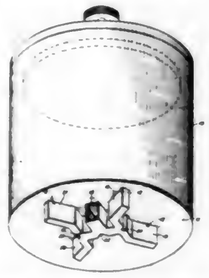
tapered outer conductor to the angle formed between said axis and the outside surface of said tapered inner conductor is substantially equal to said diametrical ratio of the two coaxial sections being connected, the length of said tapered union being comparable with the wavelength of the microwaves transmitted therethrough.

2,453,760

CAVITY RESONATOR

John C. Schelleng, Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 2, 1945, Serial No. 580,517
5 Claims. (Cl. 178—44)



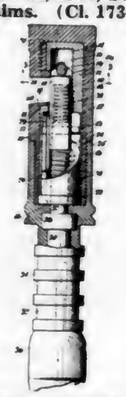
1. An electrical resonator comprising a hollow substantially closed cylindrical chamber adapted for sustaining within its interior space electromagnetic oscillations of a natural resonance frequency of the chamber and of a TE_{01n} mode, said chamber having plane circular end walls and having its interior space between said end walls substantially free of energy absorbing material or electrical conducting material, one of said end walls having a plurality of spaced apertures at points which are in phase agreement for oscillations of said resonance frequency and mode, and an oscillation path comprising a wave guide conduit respectively coupled to the field within said chamber at each of said apertures, said conduits each having equal rectangular cross-section with their greater transverse dimension arranged perpendicular to the plane of the apertured end wall, said conduits being all connected together at their ends remote from the respective aperture couplings to form a common rectangular transmission guide of the same major transverse dimension but of a greater dimension perpendicular to said transverse dimension.

2,453,761

HOT LINE JUMPER CLAMP

Raymond B. Schoonmaker, Poughkeepsie, N. Y.

Application June 21, 1947, Serial No. 756,134
11 Claims. (Cl. 173—273)



1. A jumper clamp, comprising a fixed, electrically conductive jaw adapted to be placed over a conductor in electrical connection therewith; an open-ended, electrically conductive cylindrical structure extending from said jaw; a handle member mounted for axial and rotatable movement with respect to said cylindrical structure, said handle member having an electrically conductive core extending within said cylindrical structure and axially movable therein; a pressure plunger slidably mounted on said core and extending toward said fixed jaw to provide a movable jaw member for clamping said conductor against said fixed jaw; a spring for propelling said handle member and therewith associated pressure plunger toward said fixed jaw; a second spring disposed internally of said pressure plunger for exerting a thrust thereon; a sleeve fixed within said cylindrical structure in electrically conductive relation therewith, a wall of said sleeve being formed with a detent notch communicating with an upwardly extending wall opening; and a pin extending radially from said handle core and engageable with said detent to hold the handle in retracted position, with the first-named spring under compression and to disengage from said notch and enter said wall opening upon rotation of said handle to release said handle for propulsion toward said fixed jaw by action of said first-named spring, the extent of travel of said handle being such that the end of said pressure plunger will clamp said conductor against said fixed jaw; a cam track provided at the upper end of said sleeve in communication with said wall opening for engagement by said pin, said cam track and pin being effective, upon further rotation of said handle to move said handle additionally in the direction of said fixed jaw to place the second-named spring under compression to increase the said clamping pressure; and means for electrically connecting a lead wire to said jumper clamp in conductive relationship with said fixed jaw member.

2,453,762

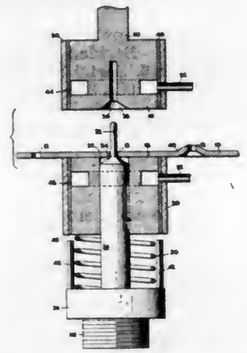
APPARATUS FOR DIMPLING SHEET METAL STOCK

Arthur A. Schwartz, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.

Application January 27, 1945, Serial No. 574,862
2 Claims. (Cl. 153—21)

1. An apparatus for dimpling preperforated sheet metal stock, comprising an upper die formed

with a counterbore and an associated countersunk portion, a punch member having a pilot for successive engagement with the apertures of the stock, said punch member also having a conically surfaced portion for cooperation with the countersunk portion of the upper die, means for moving said die and said punch member toward each other to perform a dimpling operation on the interposed stock around the engaged aperture thereof, a workpiece supporting member slidably carried by said punch member, said upper die and said supporting member each being formed with an external annular groove, an annular metallic sleeve permanently secured to said upper



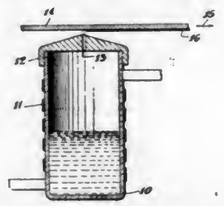
die, an annular metallic sleeve permanently secured to said member, said sleeves serving to enclose the annular grooves in said die and said member to form circulating channels for heated compressed air, an inlet conduit and an outlet conduit carried by said upper die and said member for conducting heating medium to the grooves thereof, an inlet manifold connecting said inlet conduits, an outlet manifold connecting said outlet conduits, means for heating compressed air supplied to said inlet manifold, and a jacket connected to said outlet manifold, said inlet manifold passing through said jacket to preheat the air supplied to the heating means.

2,453,763

SELENIUM RECTIFIER AND PROCESS FOR MAKING SAME

Cleveland Scudder Smith, Jr., West Orange, N. J., assignor to Samuel Ruben, New Rochelle, N. Y.

Application July 7, 1945, Serial No. 603,707
8 Claims. (Cl. 175—366)



1. A selenium rectifier unit comprising, in combination, a base plate and a layer of selenium containing a selenium halide and an alkali metal compound selected from the group consisting of alkali metal selenides and alkali metal halides, the portion of said selenium layer adjacent the outer surface thereof having a substantially higher amount of alkali metal compound therein than the portion adjacent said base plate, the outer portion of said selenium layer being substantially free from selenium halide.

2,453,764

PROTECTION OF CERTAIN NONFERROUS METAL SURFACES

Eugene Snyder, Philadelphia, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

No Drawing. Application August 28, 1944, Serial No. 551,633
12 Claims. (Cl. 148—6.20)

1. For metallic surfaces having as a major constituent a metal chosen from the group consisting of copper, zinc and cadmium, a process for increasing resistance to corrosive influences which comprises the steps of treating the metal surface with an aqueous solution the essential active ingredients of which, per 100 ml. of solution, consist of an alkali chromate equivalent to at least 5 grams of sodium chromate and an alkali cyanide equivalent to from ½ to 10 grams of sodium cyanide, and thereafter washing the surface with a water rinse.

2,453,765

ALKYLATION PROCESS

Donald G. Stevens, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application April 25, 1945, Serial No. 590,310
2 Claims. (Cl. 260—683.4)

1. The process of producing a high rich mixture rating motor fuel, a very high percentage of which consists of trimethyl pentanes, which process comprises continuously treating isobutane with a butene in the presence of a liquid acid alkylation catalyst under alkylating conditions while continuously recycling a relatively large part of the isobutane in an isobutane-acid emulsion so that it re-enters the reaction zone near the entry of the butene and isobutane feed, the rate of recycling of the reaction mixture being such that the sum of the volume of the isobutane in the feed per unit time plus the volume of isobutane being recycled per unit time divided by the volume of the butene feed to the reaction zone per unit time is continuously at least 1500.

2,453,766

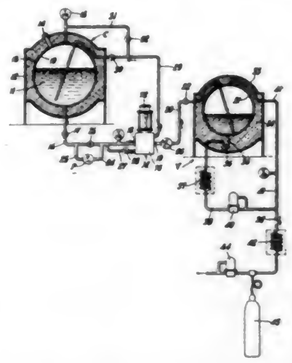
PROCESS AND APPARATUS FOR TRANSFERRING MEASURED QUANTITIES OF LIQUEFIED GAS

Russell M. Thayer, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application October 29, 1943, Serial No. 508,270
8 Claims. (Cl. 62—1)

1. A process of measuring accurately a quantity of liquefied gas of the type having a boiling point at atmospheric pressure below 233° K. when transferred from a supply container wherein it is transported at low temperature and substantially atmospheric pressure to a receiver located at a place of use, which process comprises precooling the metering elements of a volumetric liquid meter adapted to register the amount of a liquid passed therethrough to a temperature substantially equal to that of the liquid in the supply container; increasing the pressure of the liquefied gas; then forcing said quantity of liquefied gas from said supply container through the precooled

metering elements to the receiver while maintaining the pressure on said quantity of liquefied gas during such passage at a value higher than its

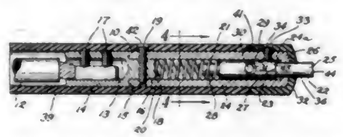


vapor pressure at the temperature of the liquefied gas in said supply container, whereby only the quantity of said liquid entering said receiver is measured.

2,453,767
SLED RUNNER
Merle O. Thompson, Seymour, Ind.
Application August 14, 1946, Serial No. 690,407
6 Claims. (Cl. 280—12)

5. A sheet-metal sled runner having a laterally extended base and two flanges projecting upwardly from said base in parallel relation, said flanges having portions which are in contact with each other and secured together and other portions which are spaced apart to form pockets for the receipt of members by which the runner may be attached to a sled-body.

2,453,768
WELDING ELECTRODE HOLDER
Wayne Tinnell, Cincinnati, Ohio
Application October 18, 1946, Serial No. 704,025
12 Claims. (Cl. 219—8)



8. A welding electrode holder comprising in combination, an interior metallic cage of tubular sleeve formation having a forward end portion and a rear end portion, said cage being transversely channeled near the forward end portion to provide a seat for a welding electrode, a transversely bored clamp shaft having a free end of insulating material projecting beyond the forward end portion of the cage, said shaft being reciprocable within the bore of said forward end portion, with the bore thereof registrable with the seat aforesaid, a socket member having means for attaching an electric conductor, one end of the socket member being fixed to the rear end portion of the cage, a spring compressed between the end portion of the socket member and the opposite end of the clamp shaft, to constantly urge the free end of the shaft forwardly of the cage, and a handle of insulating material surrounding the cage.

2,453,769
PREPARATION OF PHOTOSETTING COATING COMPOSITION
Gerald L. Wendt, New York, N. Y., assignor to Sun Chemical Corporation, a corporation of Delaware
No Drawing. Original application April 27, 1944, Serial No. 533,060. Divided and this application August 21, 1946, Serial No. 692,150
8 Claims. (Cl. 204—161)

8. Method of causing rapid setting of a coating composition which comprises applying a coating composition containing a photosetting promoter and, as an essential ingredient, not less than 20 per cent of a compound having in its molecule at least two radicals of the group consisting of eleostearate and keto eleostearate radicals and from which compound a substantial amount of substances having a vapor pressure greater than that of eleostearin have been removed and subjecting such applied composition to radiation controlled to contain essentially not less than approximately 50 per cent within the wave length band 2800–3500 Å., and to exclude any substantial proportion of a wave length of a band 2450–2600 Å.

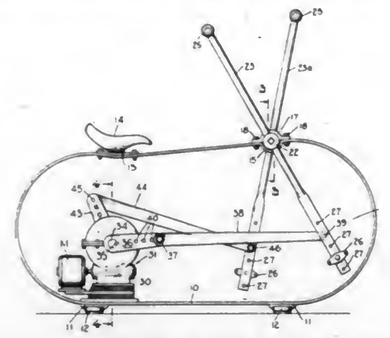
2,453,770
PREPARATION OF PHOTOSETTING COATING COMPOSITION
Gerald L. Wendt, New York, N. Y., assignor to Sun Chemical Corporation, a corporation of Delaware
No Drawing. Original application April 27, 1944, Serial No. 533,060. Divided and this application August 21, 1946, Serial No. 692,151
8 Claims. (Cl. 204—161)

8. Method of causing rapid setting of a coating composition which comprises applying a coating composition containing a photosetting promoter and, as essential ingredients not less than 20 per cent of a compound having in its molecule at least two radicals of the group consisting of the eleostearate radical and the keto eleostearate radical, and from which compound a substantial amount of substances having vapor pressure above that of eleostearin have been removed and subjecting such applied composition to radiation controlled to contain essentially not less than approximately 50 per cent within the wave length band 2450–2600 Å., and to exclude any substantial proportion of any wave length of the band 2800–3500 Å.

2,453,771
EXERCISER
Pauline Arnold White and Percival White, Long Ridge, N. Y.
Application November 29, 1946, Serial No. 712,934
13 Claims. (Cl. 128—25)

1. In a machine of the class described, motor means, a pair of limb exercising members, means mounting each of said limb exercising members for movement, motion transmitting means whereby said motor means moves each of said limb exercising members, and means whereby

said motion transmitting means varies continuously the movement of said limb exercising mem-



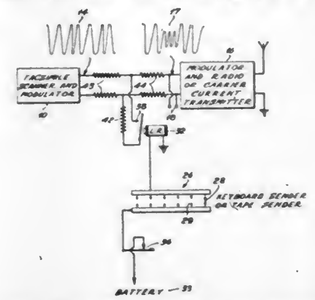
bers relatively to one another while moving each of said limb exercising members.

2,453,772
ALUMINUM COATING PROCESS
Marshall G. Whitfield and Victor Sheshunoff, Garden City, N. Y., assignors, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application March 6, 1945, Serial No. 581,326
1 Claim. (Cl. 22—204)

The method of coating a copper-base article with aluminum-base metal, which consists in applying to the surface of the copper-base article to be coated a thin barrier layer of at least one of the metals of the class consisting of nickel, iron, cobalt, manganese and chromium, heating said article under non-oxidizing conditions to about 1400° F. to cause the barrier layer metal to at least partially diffuse into the underlying surface of said article, applying an aluminum-base metal in the molten state to said barrier layer while the latter is heated to at least the melting point of the aluminum base metal to form a film of said aluminum-base metal on said barrier layer, and then casting an additional coating of aluminum-base metal in the molten state upon said aluminum base film while the latter is molten, whereby the aluminum-base metal forms a continuous bonded coating of the desired thickness on said article when the former has congealed.

2,453,773
DIPLEX TRANSMISSION BY COMBINED FREQUENCY-AMPLITUDE MODULATION
Charles J. Young, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1943, Serial No. 512,175
2 Claims. (Cl. 178—5.6)

2. A facsimile signal receiving system comprising means to recover facsimile image signals, other intelligence signals and control signals from a carrier, a relay responsive to control signals, another relay responsive to control signals and said other intelligence signals, a control circuit connected to the contacts of said first named relay, an intelligence translating circuit connected to the contacts of said second named relay, said control circuit being operative to exercise a control function in response to a control signal, said intelligence translating circuit being operative also in response to control signals, and means for preventing operation of said intelligence translating



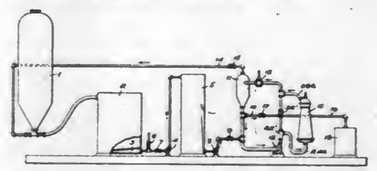
circuit when said first named relay operates initially.

2,453,774
DEVICE FOR ADJUSTING BREAKER UNITS
Theodore J. Basista, Westfield, Mass.
Application January 24, 1947, Serial No. 724,052
1 Claim. (Cl. 33—181)



An auxiliary cam member for association with the breaker cam of the breaker unit of the ignition system of an internal combustion motor in the adjusting of the spacing of the breaker contacts thereof, which comprises a member insertable between the breaker cam and follower of the breaker unit, said member having an inner face engaging the breaker cam between two high points thereof, the outer face of said member being cylindrical and having a radius equal to the radius of the high points of the breaker cam, the circumferential extent of said cylindrical face being equal to the circumferential distance between adjacent high points of the breaker cam.

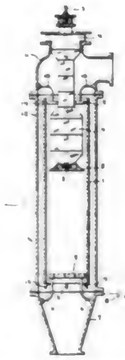
2,453,775
METHOD OF CONCENTRATING WASTE SULFITE LIQUOR WITH RECOVERY OF SULFUR DIOXIDE
Laurence R. Beath and Harold S. Hill, Kenogami, Quebec, Canada, assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada, a corporation of Canada
Application April 17, 1945, Serial No. 588,756
12 Claims. (Cl. 23—178)



1. The method of concentrating waste sulphite liquor with recovery of sulphur dioxide which comprises continuously withdrawing waste sulphite liquor from a reservoir containing waste sulphite liquor maintained at substantially the desired maximum concentration and continuously forcing the withdrawn waste sulphite liquor to flow to spaced electrodes between which is maintained a difference in electrical potential whereby

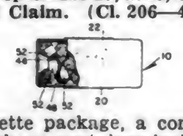
an electric current is caused to pass through the waste sulphite liquor flowing between and in contact with said electrodes thereby generating in the waste sulphite liquor the heat required for evaporative concentration, said heat being generated at a rate of less than 200 British thermal units per pound of liquor flowing between said electrodes, continuing the flow of the heated waste sulphite liquor from said electrodes and continuously separating from it the water vapor and gaseous sulphur dioxide formed by the electrically generated heat, then completing the circulation cycle by continuously returning the waste sulphite liquor remaining after the separation of water vapor and gaseous sulphur dioxide to the waste sulphite liquor contained in said reservoir, continuously bleeding off concentrated waste sulphite liquor from the circulation cycle and continuously adding dilute waste sulphite liquor to the circulation cycle and continuously withdrawing the separated water vapor and gaseous sulphur dioxide all in a manner effective to maintain the concentration of the waste sulphite liquor contained in said reservoir at substantially the desired maximum concentration.

2,453,776
ELECTRICAL CONDUCTANCE HEATER
Laurence R. Beath and Harold S. Hill, Kenogami, Quebec, Canada, assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada, a corporation of Quebec, Canada
Application May 14, 1947, Serial No. 747,920
6 Claims. (Cl. 219—40)



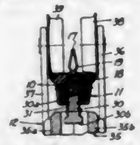
1. In an electrical conductance heater the combination comprising an elongated cylindrical pressure vessel mounted vertically having an inlet near the bottom and an exit near the top, a ceramic electrical insulating shell with open ends mounted coaxially within said pressure vessel so as to provide a space between the walls of said pressure vessel and said shell and so as to provide open communicating channels between said space and the open ends of said shell so that liquid entering said pressure vessel and flowing through said shell is free to enter and circulate through said space, grounded electrodes positioned adjacent to both of the open ends of said shell, a high tension electrode positioned within said shell and between said grounded electrodes, and an insulated electric conductor attached to said high tension electrode and extending through the upper end of said shell and thence through the casing of said pressure vessel to a terminal connection for high tension electric current.

2,453,777
IMPROVED CIGARETTE PACKAGE OPENER AND CIGARETTE EJECTOR
Leroy V. Bell, Wakefield, R. I.
Application September 19, 1945, Serial No. 617,278
1 Claim. (Cl. 206—41.2)



In a cigarette package, a comparatively thin rectangular-shape container including inner and outer wrappers and having a revenue stamp straddling one end, a pull tab positioned against the end of the package and extended under the revenue stamp, one end of said tab extending over the edge at one end of the package and downwardly against the outer surface of the end of the package, and an ejector comprising a vertically folded zig-zag strip carried by the opposite end of said tab and extended downwardly between cigarettes in the package and having an extended foot on the lower end that is positioned under cigarettes in the package, said ejector and foot adapted to raise cigarettes from the package as the ejector is drawn upwardly by the tab, said ejector being connected to the tab by a plurality of folded sections, and said foot at the lower end of the ejector having a plurality of steps lying in a common plane with said steps located alternately on each side of said ejector strip at right angles thereto and integral therewith and each step positioned under a different cigarette, two panels of said folded strip and an integral step forming an ejector portion, and all of said portions except one being separable from said ejector.

2,453,778
ELECTRICAL CONTACTING EQUIPMENT
Burtis W. Benbow, Benbow, Calif.
Application January 31, 1944, Serial No. 520,399
4 Claims. (Cl. 191—23)

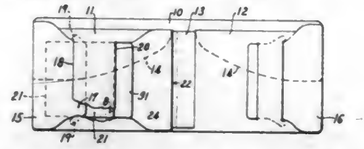


1. In apparatus of the character described, an extended trolley wire, a sheath of insulating material embracing the trolley wire, strips extending along the upper face of the sheath and having portions adapted to interlock with the sheath, said strips being angle shaped to provide base wall portions extending substantially parallel with the upper face of the sheath, a traveling contacting device adapted to cooperate with the trolley wire to make electrical connection with the same, said device including a movable housing, trolley contacting means adapted to engage the trolley wire, and tracking means carried by the housing and adapted to track upon said base portions of said strips.

2,453,779
PREPARATION OF ALKYL HALIDES
Donald C. Bond, Northbrook, and Michael Savoy, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application November 1, 1944, Serial No. 561,487
15 Claims. (Cl. 260—663)

1. The method of preparing alkyl halides comprising contacting a mixture of an olefin and hydrogen halide with a thorium salt at a temperature at which the olefin and hydrogen halide combine.

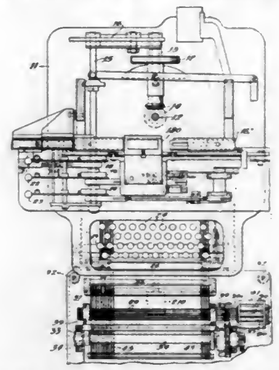
2,453,780
FLEXIBLE POCKET RECEPTACLE
Douglas J. Broughton, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application August 1, 1946, Serial No. 687,757
1 Claim. (Cl. 150—38)



In a billfold having front and rear walls connected along their bottom and end edges to form a bill compartment, the end portions of the billfold being foldable one on the other about a transverse line of fold, the front wall including an end panel and an intermediate wall member forming a pocket, a carrier element slidably mounted in said pocket, said carrier element comprising a rear wall member having length and width dimensions substantially conforming to the interior dimensions of the pocket and a front wall member connected to the end of said rear wall member within the pocket, the portion of said front wall member adjacent its connected end being of the same width as the rear wall member, the free end portion of the front wall member being reduced in width to form shoulders at opposite points on the sides of the front wall member, a slit formed in the panel through which the reduced portion of the front wall member extends outwardly, the ends of the slit being engageable by said shoulders to limit the outward movement of the carrier element relative to the pocket, and a closure member extending from the free end of the rear wall member of the carrier element, said closure member having a width substantially equal to the width of the panel, the free end of the closure member being reduced in width and insertable in said slit when the carrier element is fully seated in the pocket to close the compartments formed between the wall members of the carrier element and the panel.

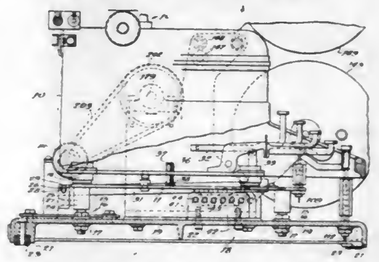
2,453,781
RECORD CONTROLLED OPERATING MECHANISM FOR EMBOSSING MACHINE KEYBOARDS
Clifton Chisholm, Forest Hills, N. Y., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 14, 1946, Serial No. 676,778
3 Claims. (Cl. 197—20)

1. In a mechanism for automatically governing and operating a key controlled embossing machine, a mounting frame adapted to be rigidly associated with such an embossing machine, sensing means mounted on said frame affording a sensing station through which a control tape bearing coded data representing perforations may be passed, tape feed means mounted on said frame adjacent said sensing station and operable to impart step-by-step advancing movements to such a tape past said sensing station, a plurality of control levers pivoted on a common axis adjacent one end and individually spring urged from normal positions to control positions, a common restoring cam for all of said levers mounted for rotation on an axis parallel to the pivotal axis of said levers and operable through a one-revolution cycle to release said levers for setting movement to said control positions thereof and to then restore to normal position any lever that has so moved, a one-revolution clutch operable when engaged to drive said restoring cam through its cycle, means operatively connected to said one-revolution clutch so as to be driven concurrently with said restoring cam in its operating cycle to actuate said tape feed means, a plurality of permutation bars spring



urged toward normal positions and longitudinally shiftable to set positions disposed parallel to said axes and effective to selectively control setting movement of said levers, operating means controlled by said sensing means for shifting said bars selectively to set positions, and a plurality of control means adapted to be operatively associated with the keys of such an embossing machine and mounted on said frame for actuation selectively by the other ends of said levers upon movement of the related levers to said control positions thereof.

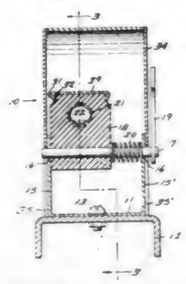
2,453,782
STRIP PERFORATING APPARATUS
Clifton Chisholm, Forest Hills, N. Y., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 14, 1946, Serial No. 676,779
11 Claims. (Cl. 164—112)



1. In a machine for forming perforations in a strip according to a predetermined code, the combination which comprises manual control elements, a series of code control means selectively operable by said manual elements in accordance with said predetermined code, a series of latches each adapted to be released by one of said code control means, an interposer associated with each of said latches adapted to be held normally by

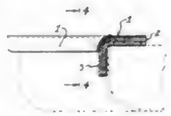
said latch in an inoperative position, a punch associated with each of said interposers, punch operating means spaced from said punches, said interposers being adapted to be moved into operative position between said punch operating means and said punches upon release of said latches.

2,453,783
AUTOMATIC SHUTOFF FOR TRACTORS
Don H. Claypool, Mansfield, Ohio
Application October 7, 1947, Serial No. 778,477
3 Claims. (Cl. 180—82)



1. An automatic shut-off for tractors adapted to be connected to the tractor in the rear of the forward wheels thereof, comprising a base plate, supporting means on the base plate, a shaft journalled in the supporting means, a housing fixed to the shaft, a disconnecting means carried by said housing adapted to stop the engine of the tractor when the front wheels thereof raise from the ground, and means for setting the housing so that the disconnecting means will operate at predetermined levels.

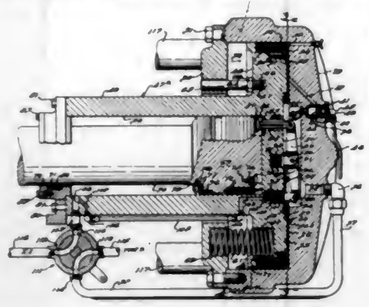
2,453,784
SANITARY COVER AND CUSHION FOR SHAMPOO BOARDS
Frank J. Conjurske, Sturgeon Bay, Wis.
Application November 10, 1945, Serial No. 627,835
1 Claim. (Cl. 4—159)



A neck protector and absorbent pad for shampoo boards, comprising a U-shaped fiber or paper collar adapted to be nested about the neck of the patron, a rectangular thick flat absorbent pad, the same being cut back to form a down-turned front wing with end ears at a right angle to the same, and means for attaching the ears to the removable collars.

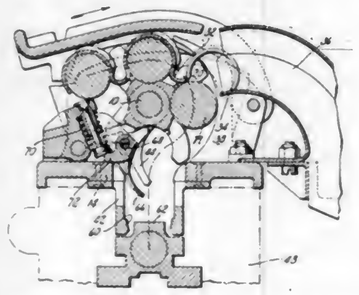
2,453,785
HOLDING APPARATUS WITH PISTON THROUGH WHICH PRESSURE FLUID IS PASSED
Walter P. Cousino, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Continuation of application Serial No. 516,194, December 30, 1943. This application October 18, 1946, Serial No. 703,959
15 Claims. (Cl. 60—54.5)

10. A device for shifting a part to a certain position and for holding with force the part in the said certain position, said device comprising a housing, a piston mounted within the housing and having a through passage, means for supplying fluid under pressure to the housing and through the passage in the piston to act against the said part and moving the part to its certain position, a valve positioned at the passage in the piston, a pressure-responsive member mounted in the end of the piston, means connecting the valve and the pressure-responsive member for causing movement of the pressure-responsive member due to a predetermined elevated pressure of the fluid in



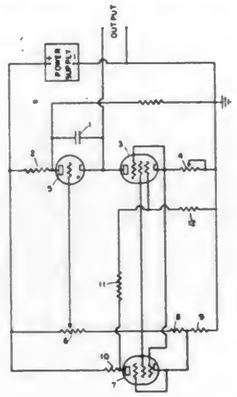
the housing due to arrival of the part at its certain position to close the valve and thereby to lock fluid between the piston and the part, means for thereafter causing a still greater pressure of the fluid to shift the piston for applying pressure to maintain the part in its predetermined position, and means for thereafter supplying fluid under pressure to the pressure-responsive member to move the pressure-responsive member and thereby open the valve at the passage in the piston for allowing fluid to escape through the passage in the piston.

2,453,786
FEED MECHANISM FOR RAPID-FIRE GUNS
Paul H. Dixon, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 24, 1946, Serial No. 664,609
1 Claim. (Cl. 89—33)



The combination, with a gun having a reciprocating breech bolt and a receiver into the top of which cartridges are fed downward, of motor driven means for feeding an ammunition belt to the top of the receiver, means for separating a cartridge from the belt, cartridge supporting ways in the receiver adjacent to the breech bolt, loading fingers beneath the belt feeding means for receiving the separated cartridge, means for actuating the fingers to force said cartridge down upon said ways, and a retaining finger for holding said cartridge down on the ways until it is removed therefrom by the breech bolt during counter-recoil.

2,453,787
SAW-TOOTH VOLTAGE GENERATOR
George W. Downs, Jr., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application May 23, 1944, Serial No. 536,967
2 Claims. (Cl. 250—36)

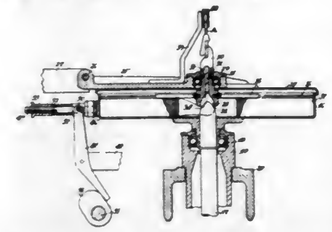


1. A sawtooth voltage generator, comprising a first pentode tube having an anode, a cathode, and a control grid, a first resistor connected to said cathode, a power supply, a capacitor connected to be charged from said power supply through the tube and the resistor, a gaseous discharge device connected across the capacitor to discharge the same when a predetermined voltage is reached; a second pentode tube having an anode, a cathode, and a control grid, means including a second resistor connecting the anode of the second pentode to the positive side of the power supply, means connecting the cathode of the second pentode to the negative side of the power supply, means to apply to the control grid of the second pentode the potential variations at the high potential end of the first resistor, and means to apply to the control grid of the first pentode the potential variations at the low potential end of the second resistor.

2,453,788
POLYMERIZATION OF OLEFINIC COMPOUNDS
Leonard Fallows and Eric Vernon Mellers, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 21, 1944, Serial No. 555,206. In Great Britain September 7, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 7, 1963
8 Claims. (Cl. 260—83)

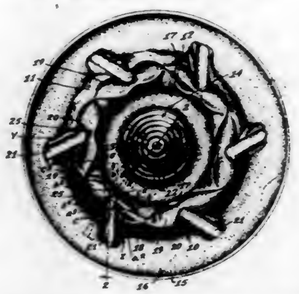
1. In a process for polymerizing in an aqueous medium a substance selected from the class consisting of esters and nitriles of acrylic and methacrylic acids to obtain a homo-polymer, the step of initiating the polymerization of the substance by means of potassium meta-bisulphite.

2,453,789
TWINEMAKING MACHINE
Harold Flater, deceased, late of Norrkoping, Sweden, by Nils Berglund, administrator, Djursholm, Sweden, and Ernst Teodor Waernhoff and Nils Gunnar Franson, Norrkoping, Sweden; said Harold Flater and said Ernst Teodor Waernhoff and Nils Gunnar Franson, assignors to International Harvester Company, a corporation of New Jersey
Original application June 15, 1946, Serial No. 677,020. Divided and this application December 9, 1947, Serial No. 790,644. In Sweden June 25, 1945
12 Claims. (Cl. 57—31)



1. A spinning disk comprising a rotatable receptacle adapted to rotatably support a spool of strip material, a spindle connected to rotate said receptacle, and a stationary cover hingedly connected to close said receptacle, said cover including a former rotatably carried thereon, said former being provided with a narrow annular bore in junction with an enlarged cup-shaped opening in communication with the interior of the receptacle.

2,453,790
ASH TRAY
Harold M. Foddy, Colrain, Mass.
Application June 22, 1942, Serial No. 447,892
4 Claims. (Cl. 131—240)



4. An ash tray which comprises a member having an annular elevated rim portion and a central dome portion with an annular ash receiving trough between the rim and dome, a portion extending outwardly from the rim portion and formed with an outwardly and downwardly inclined groove having sharply defined inner and outer edges, the surface of the rim between said edges being depressed, said outer edge including portions converging downwardly to the inner end of said groove, said inner edge including portions converging downwardly to a seat for the burning end portion of a cigarette, said seat being positioned at a lower elevation than the adjacent end of the groove, the inner end of the groove and said dome providing means for supporting a cig-

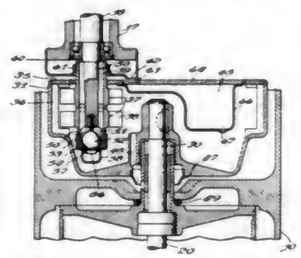
arette in bridging relation to one of said downwardly converging portions of said inner edge at one side of said seat, said bridged edge forming a guide to direct the burning end portion of the cigarette into said seat when released from the dome, one edge of said groove and the opposite downwardly inclined portion of the outer edge providing points of support forming a seat for the mouth end portion of the cigarette when the burning end portion is seated in said first seat, a line passing through the points forming the second seat making an angle less than a right angle with a line connecting the centers of the seats to impose a torque tending to twist the cigarette from the first seat when a major portion of the weight of the cigarette is imposed on the points forming the seat at the mouth end portion of the cigarette, the other of said downwardly converging portions of said inner edge adjacent the first seat forming a guide for directing the burning end portion of the cigarette upwardly to a position of rest on said inner edge on a line in the vertical plane of the axis of said groove.

2,453,791

FLUID CLUTCH, GOVERNOR CONTROLLED

William H. Harstick, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey

Application December 31, 1943, Serial No. 516,568
11 Claims. (Cl. 192—58)



1. A power transmitting means comprising in combination with a power furnishing means, a vaned fluid coupling member, a second fluid coupling member mounted for rotation, said member having a channel adapted to contain a body of liquid, vanes in said channel, said first-named fluid coupling member projecting into said second fluid coupling member with the vanes thereof closely spaced with respect to the vanes in the channel, a centrifugal fluid pumping device carried by one of said fluid coupling members, an inlet to said device disposed in the fluid in said second fluid coupling member, said pumping device being formed to develop a pressure proportional to the speed of the first-named fluid coupling member, a fluid container, means for delivering fluid from the pumping device to said container, and means for continually delivering liquid from the container to the fluid coupling member.

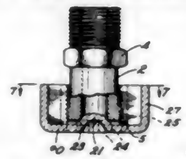
2,453,792

DRAIN COCK

George H. Hufferd, Shaker Heights, and Norbert C. Beerli, Mayfield Heights, Ohio, assignors to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio

Application May 15, 1944, Serial No. 535,610
2 Claims. (Cl. 137—34)

2. A closure for a threaded tube end comprising a drawn sheet-metal member having a bottom wall, a pair of arcuate walls integral with and projecting from the bottom wall, the interior surfaces of said arcuate walls facing each other and defining a substantially cylindrical surface, and connectors U-shaped in cross-section integral with the bottom wall and the adjacent side edges of said arcuate walls and projecting substantially radially therefrom, said connectors having the inner surfaces of their leg portions disposed relative to each other so that the adjacent side edges of said arcuate walls are disposed in close prox-



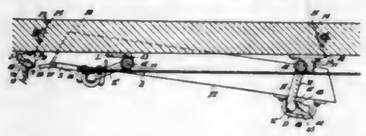
imity to each other, the interior surfaces of said arcuate walls having threads cut therein for engagement with the threaded end of said tube, said bottom wall having its central portion indented to engage and close the end of said tube when said member is screwed home, said bottom wall being formed with openings therethrough spaced radially from the indented portions and adapted to be brought into communication with said tube when said member is partially unscrewed.

2,453,793

REFRIGERATOR CAR DOOR

John J. Hveem, Maywood, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application September 3, 1943, Serial No. 501,057
2 Claims. (Cl. 20—23)



2. In a door construction for refrigerator cars having a wall member provided with a door opening, the combination with a sliding door movable laterally to close said opening; of a guide track on the car extending lengthwise of the same; a rotary crank member supporting the door at the leading end thereof, said crank member being slidably connected to said track; releasable latch means frictionally held in latching engagement by the weight of said door for holding said crank member against accidental rotation, when the door is disposed outwardly of the door opening parallel to said car wall; and means actuated by sliding closing movement of the door for forcibly swinging said crank member to release said latch means and actuate the crank member to move the door laterally into said door opening.

2,453,794

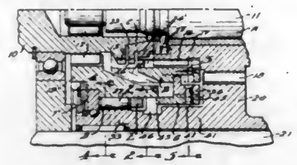
POWER TRANSMISSION

Teno Iavelli, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Original application March 14, 1945, Serial No. 582,671. Divided and this application September 13, 1946, Serial No. 696,703
6 Claims. (Cl. 74—333)

1. In a transmission, a driving shaft; a driving gear adapted to be driven by said driving shaft; a

driven gear coaxial with said driving shaft and driving gear; a set of clutch teeth drivingly connected with said driving gear; a second set of clutch teeth drivingly connected with said driven gear; a sleeve carrying one of said sets of teeth, said sleeve being shiftable from a first position to a second position thereof whereby to shift the teeth carried thereby from a position of disengagement with respect to the other of said sets of teeth into a position of interengagement with said other set of teeth thereby drivingly connecting said driving and driven gears in direct drive relationship; means for driving said driven gear at reduced speed from and with respect to said driving gear, said reduction driving means comprising a first countershaft gear meshed with said driving gear and a second countershaft gear coaxial with said first countershaft gear and meshed with said driven gear, and overrunning clutch means operably connecting said countershaft gears, said overrunning clutch means being so constructed and arranged as to permit said second countershaft gear to overrun said first countershaft gear when said driving gear is driving said driven gear in said direct drive relationship, said overrunning clutch means comprising a plurality of friction



driving elements and a cage therefor; means operating to rotatably bias said cage about the axis of said countershaft gears and in a direction for moving said friction elements into positions effecting one-way friction drive connection of said countershaft gears; a cage operating structure comprising a first portion thereof operably connected with said sleeve for effecting shift of said cage operating structure in the direction of the axis of said countershaft gears in response to the aforesaid shift of said sleeve from its said first position to its said second position and a second portion thereof formed with a cam face, said cage having a portion thereof formed with a cam face adapted for engagement by the aforesaid cam face, said cam faces being so constructed and arranged that, when said cage operating structure is shifted as aforesaid, said cage is rotatably operated relative to said cage operating structure in a direction opposite to that effected by said biasing means thereby moving said friction elements into positions for preventing establishment of said one-way friction drive connection between said countershaft gears.

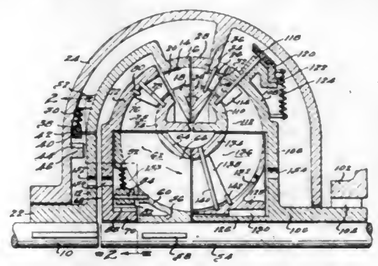
2,453,795

FLUID TORQUE CONVERTER, INCLUDING MULTIPLE ENERGIZING AND ENERGY ABSORBING ELEMENTS

Joseph Jandasek, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application October 11, 1943, Serial No. 505,806
9 Claims. (Cl. 60—54)

1. In a fluid transmission, a driving shaft, a primary impeller fixed to the driving shaft, a secondary impeller, one-way driving means for coupling the primary and secondary impellers, a driven shaft, a primary turbine fixed to the driven shaft, a secondary turbine, one-way driving means for coupling the primary and secondary turbines, a primary guide wheel associated with the driven shaft, a secondary guide wheel, one-way driving



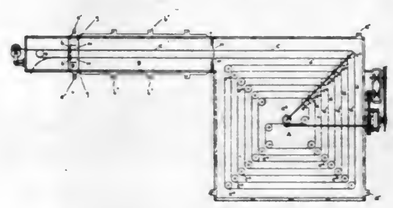
means for coupling the primary and secondary guide wheels, a stationary member, and one-way driving means for coupling the primary guide wheel and said stationary member.

2,453,796

TEXTILE STEAMING OR AGEING MACHINE

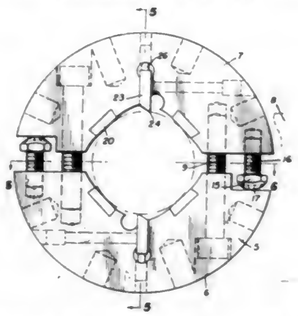
Curt Jellinek, County of Glamorgan, Wales, now by judicial change of name Curtis Marcell Elliott

Application April 4, 1946, Serial No. 659,449
In Great Britain April 16, 1945
2 Claims. (Cl. 68—5)



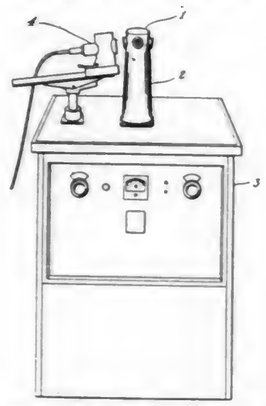
1. A steaming machine of the continuous type for textile fabrics comprising a main chamber in which the fabric is steamed, supports for said chamber to raise the level of its base, an antechamber through which the fabric passes into and out of the main chamber to prevent the escape of steam and assist in maintaining air free conditions in the main chamber, the base of the antechamber being inclined upwards from below the main chamber to level with the base thereof, an endless travelling means for carrying the fabric through the antechamber and the main chamber, suspension devices carried by said means from which the fabric is suspended, and a trackway in the antechamber and main chamber for supporting and guiding the endless travelling supporting means, the trackway in the main chamber being a "meander," i. e. a series of straight paths at right angles to one another gradually decreasing in length until the supporting means approaches the centre of the chamber when the direction is reversed and is continued outwardly in a second series of straight paths at right angles to one another gradually increasing in length, the second series being between the corresponding portions of the first series whereby the portion of the fabric travelling inwardly will not come into contact with or rub against the portion travelling outwardly provided the two series are suitably spaced apart.

2,453,797
CRANKSHAFT DRESSING TOOL
Marshal D. Johnson, Abilene, Tex., assignor of fifty per cent to Oran Elmore, Abilene, Tex.
Application January 14, 1947, Serial No. 721,913
3 Claims. (Cl. 82—4)



1. A rotary cutting and burnishing tool comprising a pair of complementary semi-circular sections, a cutting blade mounted in each section in diametrically opposed relation to each other, a burnishing insert located on each side of the cutting blades, the inserts of one section being diametrically opposed to the inserts of the other section and means within the confines of the periphery of the sections for clamping the semi-circular sections together and comprising bolts drawing the sections together, and stops threaded in each section parallel to an adjacent bolt and including micrometer heads abutting an opposite section.

2,453,798
X-RAY APPARATUS
Gerard Kloos, Mount Vernon, N. Y., assignor, by mesne assignments to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y., a corporation of Delaware
Application June 2, 1944, Serial No. 538,515
3 Claims. (Cl. 250—89)



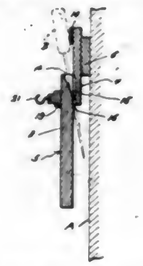
1. An X-ray apparatus comprising a vertically mounted housing open at the top end thereof, a tube, having a vertically disposed anode, insertable into said open end, a base on said tube adapted to rest on top of said housing and bearing the anode in fixed relation thereto, cooling conduits in said housing for carrying a cooling medium, cooling conduits in said base, electrical contact members comprising two spring members positioned in spaced relation within said housing, a tube envelope having a bell-shaped portion adapted to fit over said spring members, two electrical contact members on said bell-shaped tube portion insulated with respect to each other and adapted to engage said spring members upon insertion of said tube into said housing, apparatus for recording X-radiation in fixed position relative to said anode and guide members on said housing adapted to abut recessed portions of said tube base for precisely and reproducibly positioning said anode in said housing with respect to said recording apparatus without altering the relation of the recording apparatus to the housing and to assure positive alingment of said cooling conduits in said tube base and the housing and to assure electrical contact between said contact members on said tube and said spring members.

2,453,799
AIR GUN
Arthur F. Lovering, Northampton, Mass.
Application May 24, 1946, Serial No. 672,004
4 Claims. (Cl. 124—15)



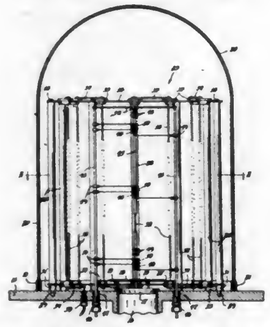
1. In an air gun, a barrel, an air compression cylinder secured within the barrel adjacent the breech end thereof, a shooting tube within the barrel, the forward end of said tube being fixed to the forward end of the barrel, said tube extending from the forward end of the barrel to the air compression cylinder and opening thereto, a plunger reciprocably mounted within the air compression cylinder, a spring surrounding the shooting tube between the forward end of the barrel and the compression cylinder, means movable longitudinally of the fixed shooting tube and engaging the forward end of the spring, said means having portions extending rearwardly of the compression cylinder, means connecting said portions to the breech end of said plunger, means to retract the plunger against the action of said spring, a latch releasably holding said plunger in retracted position, and trigger means for releasing said latch.

2,453,800
KNIFE RACK
George Henry Lowell, Jr., South Portland, Maine
Application June 15, 1945, Serial No. 599,710
2 Claims. (Cl. 211—60)



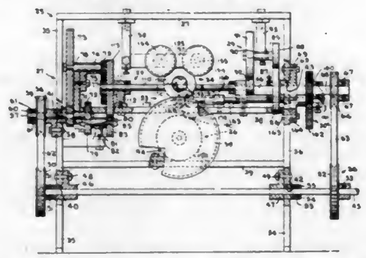
2. A kitchen appliance comprising a back panel, a front panel connected to the back panel and overlapping at its upper portion, the lower portion of the back panel, the upper inner portion of the front panel being beveled, the lower portion of the back panel opposed to the beveled portion being chamfered to allow for the disposition of cutlery blades between the opposed portions of the panels, the upper portion of the back panel being provided with a horizontal cleat against which cutlery handles can bear.

2,453,801
METHOD AND APPARATUS FOR COATING BY THERMAL EVAPORATION
Raymond P. Mattern, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 27, 1944, Serial No. 546,866
9 Claims. (Cl. 117—106)



9. In a process for evaporatively coating a plurality of objects with uniform films of equal thickness comprising the steps of: mounting the objects to be coated cylindrically about a central axis in predetermined spaced relation; mounting, in predetermined spaced relation along the central axis, a plurality of evaporable pellets having such predetermined weights that evaporation of the pellets coats each of the objects with a uniform coating of predetermined equal thickness; evaporating the pellets to completion to deposit the substance on the objects; and rotating the pellets with respect to the objects to aid in obtaining the uniform coatings of predetermined equal thickness on the objects.

2,453,802
SPINNING MACHINE
Daniel W. Maxham, Hogansville, Ga.
Application September 6, 1945, Serial No. 614,642
10 Claims. (Cl. 57—36)



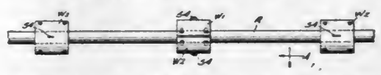
1. In a spinning machine, strand fibre twisting means, including a rotatable member having a central opening and spaced-apart twist pins projecting into said opening; placer means to project fibres from strand material into the paths of said twist pins and disposed closely adjacent said twister means; carrier means to convey a strand material to said placer means; plucking means to intermittently urge strand material to said carrier means, and means to steadily urge strand material to said plucking means.

2,453,803
PROPELLER BLADE
James T. McCormick, Topeka, Kans.
Application December 13, 1943, Serial No. 514,105
2 Claims. (Cl. 170—160)



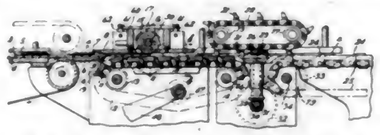
1. In a propeller, a hub, sockets extending radially of said hub, blades having shanks rotatably carried by the sockets in said hub and mounting the blades for balanced variable pitch, a shoulder surrounding the shank of each blade within the socket receiving the same and provided with a cam surface extending about the shank, rollers in the sockets for acting upon the cam of the shank for the production of a turning movement, cooperating abutments exterior of the hub and blades for limiting the turning movement in either direction and stabilizers carried by said blades, each stabilizer consisting of a horn-shaped support carried by the companion blade, said support having a rounded enlarged end extending outwardly of one side of the blade and a small pointed end extending outwardly of the opposite side of the blade in diagonal relation thereto, and an airfoil carried by the small pointed end of said support in transverse spaced relation to the blade, while a weight is mounted in the rounded enlarged end of said support.

2,453,804
MOLD FOR CONCRETE WEIGHT FOR IRON PIPE LINES
George W. McDearmon, Baton Rouge, La.
Application June 25, 1946, Serial No. 679,216
4 Claims. (Cl. 25—118)



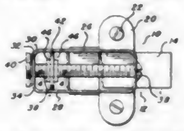
1. A mold for making articles in half sections to be joined together to form a unit, comprising a pallet, a hollow core rising from the center of said pallet, hollow partitions extending from opposite sides of said core, said core having perforations toward its upper and lower ends to establish communication between its interior and the interiors of said partitions, an inlet for a fluid heating medium opening into the lower end of said core, outlets for said heating medium in the upper ends of said partitions and the top end of said core, and body sections supported on said pallet at opposite sides of said core and said partitions.

2,453,805
GUM BREAKING MACHINE
Carl E. Melhorn, Springfield, Mass., assignor to Package Machinery Company, East Longmeadow, Mass., a corporation of Massachusetts
Application May 2, 1947, Serial No. 745,567
6 Claims. (Cl. 107—7)



1. In a gum breaking machine for severing pieces of gum from slabs along score lines, extending from side to side of the slab, to form individual gum sticks; a channel along which the slabs are continuously moved, gum breaking mechanism positioned above the channel, a conveyor traveling continuously below the channel, said conveyor having portions moving flush with the floor of the channel and downwardly and rearwardly inclined portions intermediate said first portions, means actuating said breaker as an inclined portion of the conveyor passes beneath the leading unsevered gum stick in the slab to sever said stick and deposit it on said inclined portion of the conveyor, and a variable driving means, driving the conveyor at substantially the speed of the gum slab during the breaking operation and at a greater speed between breaking operations.

2,453,806
ADJUSTABLE WINDOW SHADE BRACKET
Wilbert Patterson Moore, Worland, Wyo.
Application September 7, 1945, Serial No. 614,980
1 Claim. (Cl. 248—271)



A device of the character described, comprising a cross shaped body having a vertically positioned portion and a horizontal positioned portion secured to the vertically positioned portion centrally thereof, inturned ends on said horizontally positioned portion to space said body portion from the window casing on which it is to be mounted, a screw housing, an offset downwardly extending tongue on said housing adapted to be inserted in the space intermediate of said horizontally positioned portion and said window casing on opposite ends of said vertically positioned portion, a screw member rotatably mounted in said housing longitudinally thereof, a windowshade bracket slidably mounted on said screw member for longitudinal movement thereon and screw nuts positioned on the screw member on opposite sides of the bracket to permit adjustment and retenture of said bracket on said screw member.

2,453,807
THREE-PRONG LOOSE-LEAF BINDER
Joseph A. Murray, Bethesda, Md., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application March 15, 1945, Serial No. 582,863
2 Claims. (Cl. 129—17)

1. A prong type binder mechanism comprising pivoted angle plates carrying oppositely disposed prongs overlying substantially the entire back binder portion when in closed prong position, latch means to hold the plates in prong closed condition and release them for prong open condition for threading the paper sheets on and off the prongs, such mechanism being characterized by having two prongs extending from one plate and a single prong from the other plate to bind sheets of but three punched holes, and two cooperating supporting means extending from the

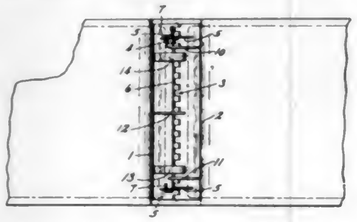
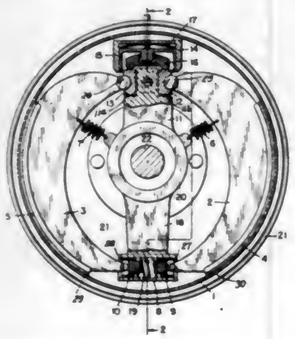


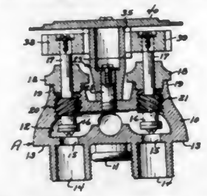
plate having the single prong and in position to support sheets from their bottom edges as they are threaded off the two prongs to the single prong side and back again, such supporting members being positioned when in prong closed position one near each of said two prongs and widely spaced from each other with the single prong arranged between them, such single prong and supporting members being mounted as overhanging projections from one only of said angle plates.

2,453,808
HYDRAULIC BRAKE
Nils O. Myklestad, Pasadena, Calif.
Application February 12, 1947, Serial No. 727,960
7 Claims. (Cl. 188—152)



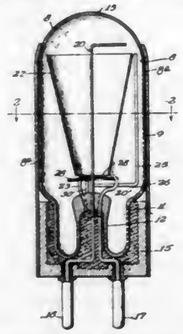
1. In a brake for a rotating cylindrical drum; an arcuate shoe adapted to be moved into engagement with the inner surface of said drum; a separate mounting member for each end of the shoe, said mounting members providing for at least limited movement of said shoe in a direction generally parallel to a chord through the ends thereof; an actuating arrangement for moving the member at one end of the shoe in a direction generally normal to said chord to cause engagement of that end of the shoe with the drum with a desired actuating force; and means operative on the other mounting member for urging it generally radially inwardly with a force having a predetermined ratio to said actuating force.

2,453,809
LIQUID MIXING VALVE
Keepers M. Newcomer, Pittsburgh, Pa.
Application May 23, 1947, Serial No. 750,035
5 Claims. (Cl. 277—18)



1. A mixing valve of the kind described, comprising a body having a liquid mixing cavity therein, valves controlling admission of several liquids to the cavity, a single discharge spout on the body and leading from said cavity, stems operating the valves, gears fixed to the stems for turning the same, an inwardly and outwardly slidable and reversely rotatable gear, intermediate of and meshing with the said gears, a stem threadably connected to said last mentioned gear, a link connected to said stem and means connected to said link which is manually operated to actuate the slidable and reversely rotatable gear.

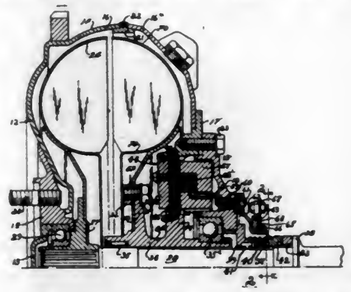
2,453,810
PHOTOELECTRIC TUBE
Max Orlove, Chicago, Ill., assignor to Smith Industries, Chicago, Ill., a corporation of Illinois
Application May 2, 1945, Serial No. 591,560
7 Claims. (Cl. 250—165)



3. A photo-electric tube comprising: a sealed envelope provided with an end portion pervious to light; a cathode extending longitudinally in the envelope and provided with a photo-electric light-sensitive material on its inner periphery for receiving light from said light-pervious portion; and a combined anode and magnet in the envelope.

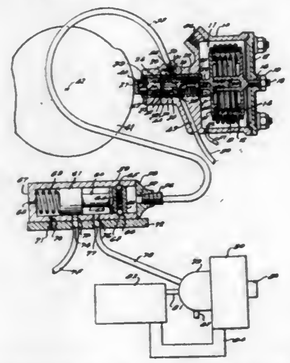
2,453,811
COMBINATION FLUID COUPLING AND FRICTION CLUTCH
Gordon R. Pennington, Bloomfield Hills, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 17, 1944, Serial No. 526,908
16 Claims. (Cl. 192—3.2)

1. In combination, a rotating member, a stationary member held in contact with the rotating member for transmission of electrical current between the members, a conductor connected at one end to the stationary member and having its other end curved, a fixed conducting part having a curved surface, and means including a securing element having a curved surface for connecting the conductor to the fixed conducting part by



holding the curved end of the conductor between the curved surface of the fixed conducting part and the curved surface of the securing element, the curved surfaces and curved end permitting the necessary shifting of the conductor to accommodate axial movement of the stationary member.

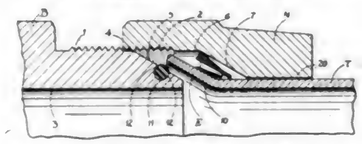
2,453,812
ACTUATING VALVE WITH OPPOSED UNEQUAL AREAS
Hubert S. Phelan, Berkley, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 15, 1944, Serial No. 535,604
3 Claims. (Cl. 121—38)



1. In combination, a member having an intermediate reduced portion and opposed areas of different size at the reduced portion, means tending to make an increase to a certain magnitude of the force applied in one direction to the member move the member in the said one direction to a certain position, means for supplying fluid under pressure to the reduced portion of the member upon its arrival in the said certain position after movement in the said one direction for causing by action of the pressure fluid against the areas of different size the member to be shifted positively and suddenly in the said one direction from the said certain position and to be held from being shifted in the opposite direction to and beyond the said certain position until lowering of the force applied to the member to a value definitely lower than the said certain magnitude, an

actuator shiftable to produce a change between first and second conditions, and means connecting the actuator and the member so as to cause the pressure fluid reaching the reduced portion of the member upon its assumption of the said certain position or therebeyond in the said one direction to pass the reduced portion and to act against the actuator for producing the shift from the first condition to the second condition and to cause the pressure fluid to be blocked from reaching the actuator by the member upon return of the member in the opposite direction to the said certain position or therebeyond for producing a shift from the second condition to the first condition.

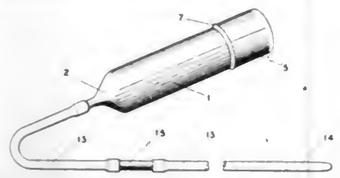
2,453,813
COUPLING
Warren V. Prince, Euclid, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application October 22, 1945, Serial No. 623,709
2 Claims. (Cl. 285—86)



1. A coupling for a tube having a substantially conically formed flared end comprising coupling members in threaded engagement having respectively parts with annular convex and concave substantially conical surfaces adapted to be juxtaposed to complementary surfaces of the flared end of the tube, the part with the convex surface having an annular groove facing and adapted to enter the flared end of the tube, a yieldable packing ring of substantially circular cross-section disposed in said groove having a greater idle diameter than the depth of said groove whereby to have a surface tending to stand above said convex surface, a conically formed resilient washer loosely fitting the exterior of the tube adjacent the flared end thereof and aligned therewith between the flared end of the tube and the said concave surface of one of said coupling members, said washer having circumferentially spaced resilient portions engaged by the flared tube end at certain zones and by the concave coupling member at zones circumferentially spaced therefrom so that the washer may be resiliently stressed between the flared end of the tube and said concave surface, the flared end of the tube having fluid sealing contact with said ring on its inwardly disposed face and having resilient supporting engagement with said washer on its opposite face when said members are screwed together, said washer not only resiliently pressing the flared end of the tube against said sealing ring but also inhibiting rotation between the tube and the member having contact with said washer.

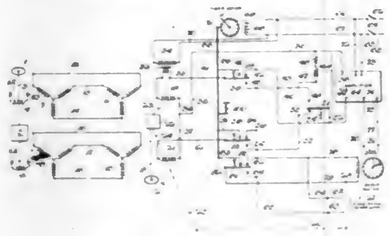
2,453,814
PEDIATRIC SYRINGE
Francis T. Roberts, Detroit, Mich.
Application July 12, 1947, Serial No. 760,591
1 Claim. (Cl. 128—227)

A pediatric syringe comprising: a tubular member open at one end and having a restricted opening at the other end; a cup-shaped closure member telescoping said tubular member at said open end for removably closing said open end, said closure member having an internal diameter from about 0.001 inch to about 0.003 inch greater than the external diameter of said tubular member; whereby the rate of air flow between the inner surface of the closure member and the external surface of the tubular member may be accurately regulated by varying the extent of telescoping



of the tubular member by the closure member, and when the tubular member is in a position such that the open end of said tubular member is above the restricted end thereof the flow of liquid within the tubular member out of the restricted opening may be closely and accurately regulated by axial movement of said closure member on said tubular member.

2,453,815
SELF-SYNCHRONOUS SYSTEM FOR REPRODUCING MOTION OR POSITION
Emmett P. Rodemann, Jamaica, N. Y., assignor to Bendix Aviation Corporation, Brooklyn, N. Y., a corporation of Delaware
Application February 9, 1945, Serial No. 577,092
10 Claims. (Cl. 318—30)

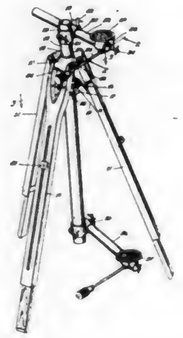


1. In a position reproducing apparatus of the character in which signals proportional in magnitude to the angular departure of a rotatable output member from synchronism with respect to a rotatable input member are generated by rotatable electrical devices which are drivingly interconnected to each other and to a multiphase power motor, a source of fixed phase current and an amplifier having a variable voltage output for energizing two phases of said power motor; switch means for automatically connecting the input side of said amplifier to the electrical circuits of one or the other of said rotatable devices, depending upon the degree of angular departure of said output member from the angular position of said input member; means for energizing said amplifier; means for normally maintaining one phase of said power motor disconnected from said source of fixed phase current; and control means, automatically operable after lapse of a predetermined length of time of energization of the plate and filament circuit of said amplifier, to connect said one phase of said power motor to said source of fixed phase current.

2,453,816
RUST PREVENTIVE SLUSHING COMPOUND FOR CARTRIDGE CLIPS
Hans Schindler, Evanston, and Paul T. Anderson, Park Ridge, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application July 10, 1944, Serial No. 544,328
4 Claims. (Cl. 106—14)

1. A slushing oil composition consisting of from 15–30% by weight of lead-wool grease soap having a neutralization number of about 3, from 30–50% by weight of mineral oil having a viscosity at 100° F. of from 60 to 150 seconds Saybolt, from 1–3% by weight of a higher alcohol ester of an alkali metal sulfo-succinic acid and the balance a low-boiling hydrocarbon liquid having a flash point of at least 100° F.

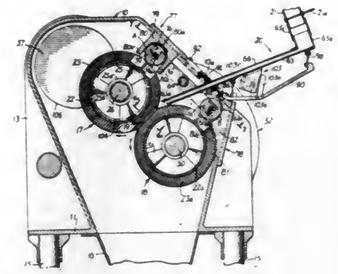
2,453,817
TRIPOD
George Shalkhauser, El Paso, Tex.
Application September 12, 1946, Serial No. 696,440
2 Claims. (Cl. 248—183)



1. A tripod including a main supporting member having an opening therein, a plurality of legs secured to said member for supporting the same, a vertical member adjustably positioned in said opening and adapted to extend above and below said supporting member, a crosshead adapted to be secured to said vertical member at various positions above and below said supporting member, a horizontal crossarm adjustably supported on said crosshead, and mounting means adjustably supported on said crossarm, said mounting means being adapted for independent swivel movement about the longitudinal axis of said crossarm and being also adapted to turn bodily with the crossarm about said longitudinal axis.

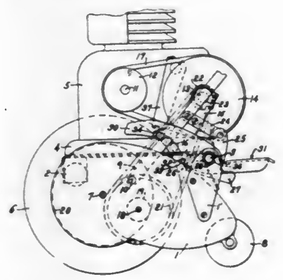
2,453,818
METHOD AND APPARATUS FOR DESTROYING INSECT LIFE
Franklin S. Smith, North Haven, Conn.
Application October 27, 1943, Serial No. 507,772
13 Claims. (Cl. 21—2)

1. In apparatus for effecting the destruction of all insect life in a flowable product composed of individual solid parts, the combination of, a pair of treating rollers covered with a resilient material, said rollers having their peripheries in engagement so that the resilient material at the nip between the rollers is partially compressed to form a pressure area for the treatment of said product at the nip of said rollers, means to feed an even stream of said product to said nip, means for rotating said rollers at a substantial rate of speed so that as said product passes therebe-



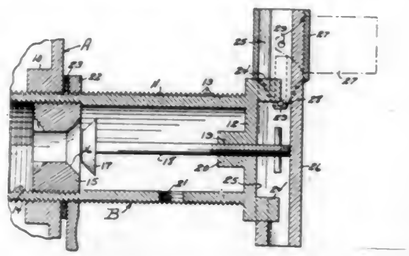
tween every individual particle of insect life in said product is crushed in said pressure area, the pressure in said area however being of a value insufficient to crush any substantial part of said product, and means for dissipating heat generated by said rollers.

2,453,819
POWER LAWN MOWER AND CONTROL MECHANISM THEREFOR
Wilfred I. Smith, Chicopee Falls, Mass., assignor to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware
Application December 20, 1946, Serial No. 717,457
11 Claims. (Cl. 180—19)



1. Control mechanism for the belt transmission of power driven lawn movers and the like comprising in combination, a wheel supported main frame, a guiding handle pivotally connected to said frame for free swinging movement between up and down positions, said frame carrying thereon a motor and its drive shaft and also carrying a shaft for being driven thereby, a releasable driving connection between said motor shaft and driven shaft, means to shift said connection to operative condition for driving and to inoperative conditon for non-driving, a foot pedal operable through said shifting means to shift said driving connection into its operative condition, said shifting means being operable by said guiding handle to shift said driving connection to its inoperative condition.

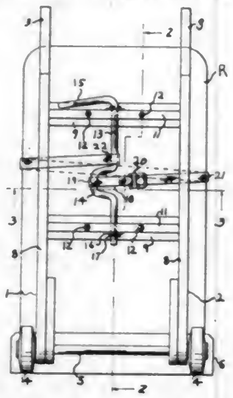
2,453,820
INCASED DRAIN PLUG
Roy S. Stephenson, San Francisco, Calif.
Application November 5, 1945, Serial No. 626,668
1 Claim. (Cl. 222—522)



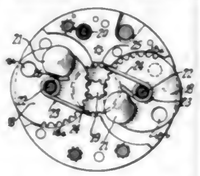
In combination, a container having a threaded opening and a faucet therefor, said faucet comprising an externally threaded tubular member adjustably mounted in said threaded opening whereby the member can be screwed into and out of said container, a flanged head closing one end of said tubular member, a valve seat in the opposite end of said tubular member, a valve adapted to seat on said valve seat, a valve stem attached to said valve and threadedly engaging said head and extending there-beyond, a cross member secured to said valve stem for manually turning said valve stem to control the flow of contents from said container into said tube, a drain-hole in the wall of said tube for draining off the contents therein, a pair of diametrically positioned wedge-shaped keys on said flanged head, a tubular turning handle having a wedge-shaped keyway detachably receiving said keys and having a first and a second pair of aligned apertures, said pairs of apertures being longitudinally spaced on said tubular turning handle, a tubular latching member slidably mounted on said tubular turning handle, extensions integrally formed with said tubular latching member, aligned spring-pressed pivot pins slidably mounted in said extensions and adapted to be selectively engaged in either of said pairs of aligned apertures for selectively positioning said tubular latching member in either of one of two positions relative to said tubular turning handle whereby when said pair of pivot pins is positioned in said first pair of apertures, said tubular latching member is telescoped upon said tubular turning handle locking the same to said flanged head and when said pair of aligned pivot pins is positioned in said second pair of apertures said tubular latching member is extended beyond said tubular turning handle for pivotal movement to the same, forming a crank portion therefor, and a lock nut on said externally-threaded tubular member and adapted to be screwed thereon into engagement with the container to lock said tubular member against rotation relative to the container.

2,453,821
STRAP TIGHTENER
Laverne B. Stevens, Jackson, Miss.
Application November 21, 1946, Serial No. 711,309
1 Claim. (Cl. 280—179)

A quick-detachable fastening means including a rotary crank-bar having supporting bearings, an end crank-handle, and a crank portion disposed in a plane at a slightly different plane from the crank handle, the combination therewith of a strap anchored at one end to the crank and equipped with a buckle at its other end, and a second wrap-around strap anchored in off-set position to the bolt with its free end for engagement with the buckle.



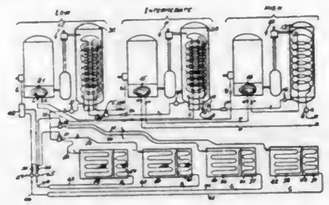
2,453,822
TIME FUSE
Richard H. Whitehead, New Haven, Conn., assignor, by mesne assignments, to the United States of America
Application October 21, 1939, Serial No. 300,551
3 Claims. (Cl. 102—84)



1. A fuse for projectiles having a time train and an escapement and firing pin releasable by the time train, a pair of centrifugal drive weights pivotally mounted symmetrically in respect to the longitudinal axis of the projectile, a pair of drive springs symmetrically mounted in respect to the longitudinal axis of the projectile one adjacent each of said centrifugal weights, each of said symmetrically mounted springs having one end in engagement with the frame of the mechanism and having its other end in driving engagement with the corresponding pivotally mounted centrifugal weight, said centrifugal drive weights comprising disc members each having a mass mounted thereon so placed as to determine the maximum value of the centrifugal drive force and to determine the point in the time sequence at which the maximum will be exerted, said centrifugal weight discs being pivoted substantially centrally thereof, said symmetrical drive springs comprising coil springs mounted at the central pivots of said centrifugal weight discs.

2,453,823
MULTIPLE STAGE REFRIGERATION
Burdell S. Williams, Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 21, 1946, Serial No. 656,009
2 Claims. (Cl. 62—115)

1. The method of achieving abnormally low temperatures through the use of a plurality of mechanical condensing units requiring lubrication, comprising passing a gaseous refrigerant through a high stage cycle, employing water to condense the high stage refrigerant and to cool the lubricant of at least one condensing unit, employing the high stage refrigerant to condense the refrigerant of a succeeding condensing unit

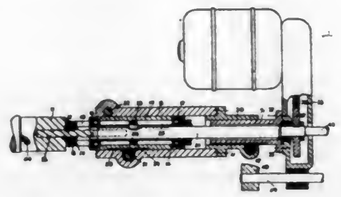


and to cool the lubricant of a final low stage condensing unit, passing a second volume of gaseous refrigerant through an intermediate refrigeration cycle, employing the intermediate cycle refrigerant to condense the refrigerant of the low stage condensing unit, and employing a third volume of gaseous refrigerant in the final low-stage refrigeration cycle.

2,453,824
ALPHA-ACETOXYMETHYL ACRYLONITRILE POLYMERS
Thomas F. Wood, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 9, 1946, Serial No. 660,864
3 Claims. (Cl. 260—83)

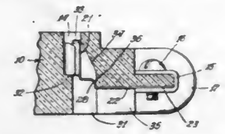
2. A polymeric mass comprising a polymerized alpha-acetoxymethyl acrylonitrile.

2,453,825
TAILSTOCK LATHE FOR DRILLING
Samuel Bailey Wright, Coventry, England
Application June 20, 1945, Serial No. 600,527
In Great Britain April 5, 1945
12 Claims. (Cl. 77—60)



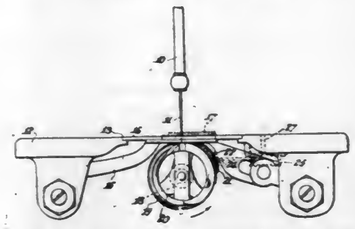
1. An arrangement for a tail-stock lathe, for enabling a workpiece to be drilled axially at the same time as a peripheral surface thereof is being turned, comprising a tail-stock, a hollow center for supporting that end of a workpiece which is adjacent said tail-stock, means associated with said tail-stock for supporting said hollow center rotatively and for locating it axially, a tool-holder, rotatable within said tail-stock, for carrying a tool adapted to be fed through said hollow center, and means for feeding said tool-holder.

2,453,826
CONTACT FOR VACUUM TUBE SOCKETS
Charles J. Adams, Park Ridge, Ill.
Application November 12, 1946, Serial No. 709,345
5 Claims. (Cl. 173—328)



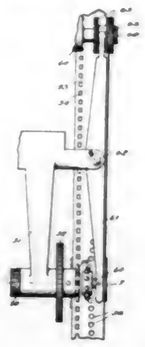
1. In a socket or the like comprising a base member with one or more cavities to receive the contact pins of a tube or plug, and contact elements for said pins adapted to be inserted in said cavities, the combination of cavities each including a vertical contact portion extending downwardly from a generally circular pin orifice, with a lower abutment shoulder at the bottom of the contact portion, but on one side of the cavity and extending only partially across the area thereof; an upper abutment shoulder at the top of the contact portion and on the opposite side thereof with a broad flat surface extending around at least three sides of the cavity; with an offset entrance channel extending from the lower surface of the base to the contact portion of the cavity to permit the insertion of a metallic contact into the cavity from the bottom of the socket; a metallic contact including a hollow sleeve adapted to surround a contact pin and bear against the pin on at least two sides, the sleeve being of uniform cross section throughout its length, and adapted to be positioned in the cavity between and in engagement with the upper and lower abutment shoulders; a cam surface within the entrance channel to guide the upper end of the sleeve into engagement with the abutment shoulder and locate it in vertical position below the pin orifice during insertion of the contact, and a soldering lug including a metal strip extending outwardly from the contact sleeve and engaging the wall of the entrance channel to maintain the lower end of the contact sleeve in position on the lower abutment shoulder.

2,453,827
MEANS FOR COOLING AND LUBRICATING SEWING MACHINE NEEDLES
Andrew Albero, Delaware Gardens, N. J.
Application August 8, 1945, Serial No. 609,570
5 Claims. (Cl. 112—256)



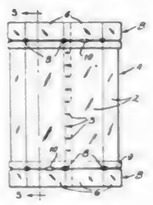
1. A needle cooling and lubricating means for use in a sewing machine of the type in which a needle moves up and down through an opening in a work support and said machine includes a rotary sewing hook having a needle clearance notch, an applicator mounted on said sewing hook and spaced from the clearance notch, and means to fasten said applicator on said sewing hook.

2,453,828
TORPEDO
Louis J. Barry and William S. Hegamyer, Middletown, R. I., assignors to the United States of America as represented by the Secretary of the Navy
Application April 8, 1925, Serial No. 21,706
17 Claims. (Cl. 114—24)



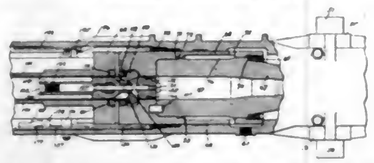
1. In combination with the gyro and steering engine of a torpedo, a figure run device comprising pattern means for disconnecting the gyro from the steering engine at intervals according to the pattern of said means.

2,453,829
SHIPPING CARTON
Smith A. Blackman, Kirkwood, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application September 26, 1946, Serial No. 699,577
1 Claim. (Cl. 229—23)



A shipping carton comprising a tubular body of uniform inside width from end to end having flaps at one end thereof bent to lie alongside the outer side face thereof, a main end closure seated against said end of said body and having marginal flaps that are bent to overlie said body flaps and are thence rebent to lie therebeneath and removably interlock therewith, a removable auxiliary end closure snugly fitting entirely within said end of said tubular body adjacent to said body and end closure flaps in spaced relation to said main end closure to provide a chamber between said end closures, said auxiliary end closure having marginal flaps that lie against the inner side face of said tubular body and terminate substantially flush with said end thereof in endwise abutting relation to said main end closure, and a band tightly encircling said body and end closure flaps at substantially the level of said auxiliary end closure for locking said main and auxiliary and end closures to said tubular body member in a substantially immovable, reinforcing and dustproof manner.

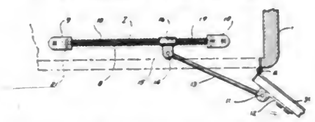
2,453,830
MACHINE GUN
George A. Chadwick and Paul W. Burk, Washington, D. C.
Application December 21, 1932, Serial No. 648,296
22 Claims. (Cl. 89—190)



1. In a machine gun, a barrel having in it a cartridge chamber, a slide in which said barrel is slidably mounted, a breech housing connected to the rear end of said barrel and having spaced apart portions extending rearwardly, a feed plate secured to said slide having in it a slot disposed above the space between said portions, upwardly concave ribs on each side of said feed plate tilted toward said slot to guide a cartridge toward said slot, the forwardmost of said ribs on each side of the slot being higher than the other, there being a groove in the inner face of each of said portions to guide the rim of a cartridge toward said chamber and a groove connected to each of the aforesaid grooves to guide a spent case out of the under side of the gun, a rib on each of said portions to guide the nose of a cartridge toward said chamber, a magazine cradle swingably mounted above said feed plate, two magazines supported by said cradle, cartridges contained within said magazines, means to lock said cradle in position to feed the cartridges from one of said magazines into said slot, the lowermost cartridge in the other magazine bearing on said ribs adjacent thereto and means automatically to release said lock when the one magazine is empty whereby the pressure of the cartridge in the other magazine against said ribs can swing said other magazine into feeding position over said slot.

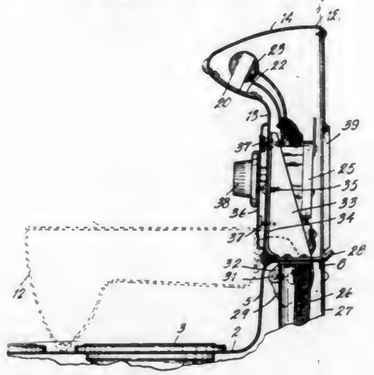
9. In a machine gun, a barrel, a breech block movable toward and away from said barrel, an extractor carried by said breech block having legs extending down the sides of the block and a portion over the top of said block, there being a backwardly sloping face on the forward side of the lower end of each of said legs, a cam in the path of each of said extractor legs adapted to be moved out of said path by said legs during backward movement but not during forward movement of said legs and having a rearwardly sloping face over which said face on the extractor leg is adapted to ride in normal operation, means to position cartridges to be rammed into said barrel, a detent disposed to be movable into the path of a cartridge in said means and to be displaceable therefrom by a cartridge in said means, a rotatably mounted shaft upon which said dentent is carried, a sear mounted on said shaft, a stop lever pivotally mounted above said cams having an arm disposed to be raised by said extractor as the extractor rises over said cams in normal operation, said sear being movable to prevent rotation of said arm of the stop lever when no cartridge is in position to move said detent out of said path whereby the extractor is prevented from rising over said cams and the breech block is prevented from moving into the closed position against said barrel.

2,453,831
DOOR CHECK
Earl H. Croskey and Victor M. Hackman, Cedar Rapids, Iowa, assignors of one-third to Clayton W. Mossman, Cedar Rapids, Iowa
Application December 8, 1945, Serial No. 633,710
6 Claims. (Cl. 16—49)



1. A door check for a door hinged to means serving as a frame, comprising a pair of brackets fixed to said door frame means, a rod carried thereby, a slide mounted on said rod and having an apertured lug, a spring carried by said rod and disposed between the said slide and the one of said brackets most remote from the door hinges, a second apertured lug, a link connecting said lugs, and means fixing said second lug to said door in a position relative to the hinge axis thereof such that, in the closed position of the door, said second lug moves into an overcenter position whereby said spring acts through said slide and link to yieldably hold said door in a closed position.

2,453,832
ELECTRIC STOVE OR RANGE
Thomas E. Dadson, Detroit, Mich., assignor of one-half to Kalamazoo Stove & Furnace Company, Kalamazoo, Mich., a corporation of Michigan, and one-half to Admiral Corporation, Chicago, Ill.
Application August 3, 1945, Serial No. 608,738
6 Claims. (Cl. 219—37)



6. A stove or range including a top having downwardly projecting end flanges and an upwardly projecting fixed fence bottom member integral therewith, said bottom fence member having rearwardly projecting end flanges integrally merging into said end flanges of said top, and a rearwardly projecting top flange integrally merging into its said end flanges, a top fence member comprising a front and integral top and rearwardly projecting end flanges, the front and end flange of said top fence member when it is erected complementing the front and end flanges of said bottom fence member, said top fence member being hingedly mounted on the bottom fence member to be swung forwardly to a substantially horizontal position above the stove top, said top fence member constituting a mounting plate and housing for fixtures, wiring or the like which are accessible when the top fence member is swung to its said collapsed position above the stove top, and means for holding said top fence member in its erected position on said bottom fence member.

2,453,833
CORROSION PREVENTIVE
William S. Davis, Jr., Pittsburgh, Pa., and Donald L. Wright, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 5, 1944, Serial No. 548,321
1 Claim. (Cl. 260—23)

A rust preventing composition consisting of (1) a mineral oil base which vaporizes completely below 750° F., (2) a partially volatile corrosion inhibitor consisting of sodium petroleum sulfonates and degras in a ratio of one to two parts of degras to one part of sulfonates, the quantity of such corrosion inhibitor being so proportioned that it is sufficient to prevent corrosion but is not so great that the unvolatilized residue remaining after being subjected to a temperature of 750° F. exceeds 10% by weight of the total composition, and (3) a polybutene of 60,000 to 80,000 molecular weight, the quantity of said polybutene being so proportioned as to impart to the total composition a viscosity of 350 to 1000 seconds Saybolt at 210° F.

2,453,834
COMBINATION CORSET AND STOCKING RETAINER
Lola Monica Deegan, Melbourne, Victoria, Australia
Application November 26, 1947, Serial No. 788,171
In Australia January 25, 1946
3 Claims. (Cl. 2—313)

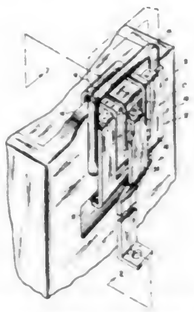


1. A combination corset and stocking retainer comprising an endless retainer band composed of a molded elastic material and adapted to form a close fit on the wearer's thigh and which is adapted for connection to a plurality of corset suspenders or the like, said endless band having anti-slipping means formed on its inner surface for opposing creeping of the band along the wearer's leg, said anti-slipping means being comprised of a plurality of spaced projections forming a roughened surface on the inside of said band.

2,453,835
BATTERY HANDLE AND HOLD-DOWN BRACKET
William F. Donkin, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application August 21, 1946, Serial No. 691,973
5 Claims. (Cl. 180—68.5)

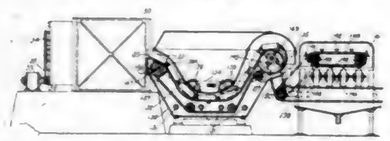
2. A handle assembly for a storage battery container having a side wall with an upstanding shoulder at the top and a recess in the outer face thereof, comprising a clamping member having a flange portion at its lower end adapted to be engaged in the said recess, the body of said clamping member being adapted to extend upwardly adjacent the outer face of the said side

wall and spaced therefrom, the body of said clamping member having a substantially rectangular opening therein, a second clamping member having two angularly extending portions, one of said angularly extending portions being adapted to be engaged over said shoulder at the top of the side wall and the other of said angularly extending portions having a flange at the lower end adapted to extend through the said opening in the first-mentioned clamping member, a bail-like handle member having a grip portion adapted to be disposed above the first of said angularly extending portions of the second-mentioned clamping member and a lower portion of said handle member being adapted to be slidably received in the space between said side wall and the said clamping members, and means for detachably securing the said flanges together.



3. An assembly as defined in claim 2 and further comprising a hold-down bracket, the second-mentioned clamping member and the said hold-down bracket being provided with interlocking means for detachably securing the hold-down bracket to the handle assembly.

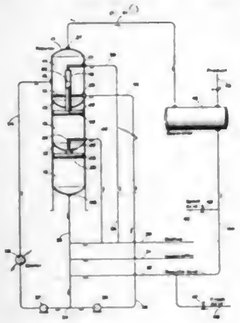
2,453,836
MACHINE FOR FORMING CONTAINERS FROM FLEXIBLE MATERIAL
Paul C. Elliott, Dayton, Ohio, assignor to Luther K. Funkhouser, Dayton, Ohio
Application November 7, 1941, Serial No. 418,273
27 Claims. (Cl. 93—39.1)



4. In a machine for forming tubular structures from flexible material, a mandrel, means for rotating said mandrel, said mandrel having means for gripping a strip of material and causing the same to be wound about said mandrel to form a tube, a plurality of receptacles mounted adjacent one end of said mandrel and movable successively into alinement with said mandrel, means for moving a tube from said mandrel into that receptacle which is alined therewith, means for intermittently actuating said receptacles, and means for applying a closure to the outer end of said tube after its receptacle has been moved out of line with said mandrel, said closed tube remaining in said receptacle until the latter is again moved into alinement with said mandrel, whereby a succeeding tube moved from said mandrel into said receptacle will eject the closed tube therefrom.

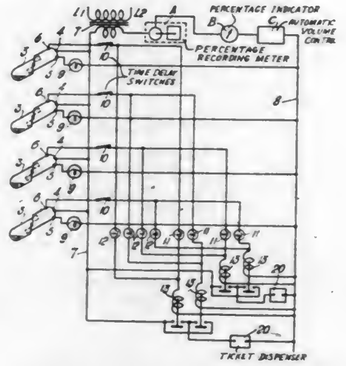
24. In a machine for forming tubular structures from flexible material, a mandrel, means for rotating said mandrel, means for feeding a strip of flexible material to said mandrel, said mandrel having means to grip the end of said strip and cause the latter to be wound about said mandrel to form a tube, a receptacle adjacent to said mandrel adapted to receive the wound tube from said mandrel, means for applying a closure to one end of the tube in said receptacle while a succeeding tube is being wound on said mandrel, a container for a bath of molten wax, means for moving the closed tube from said receptacle into said container and for moving a succeeding tube from said mandrel into said receptacle, a conveyor for moving said closed tube in the direction of its length through said bath and then upwardly out of said bath with its closed end uppermost to drain the tube, a second conveyor to receive the tube from the first mentioned conveyor and support the same in an upright position with its open end uppermost, means for spraying a cooling medium on said tube as it is advanced by said second conveyor, and operable means for closing the open end of said tube during the spraying operation.

2,453,837
APPARATUS FOR ALKYLATION
Edward J. Fisher and William B. Franklin, Baytown, Tex., and Delmas A. Smith, Washington, D. C., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 15, 1943, Serial No. 506,316
2 Claims. (Cl. 23—285)



1. An apparatus for conducting reactions between a plurality of liquid reactants while maintaining a circulating stream of reactants in the form of an emulsion which comprises a closed vessel, horizontal spaced partitions disposed within said vessel and dividing it into an upper compartment, at least one intermediate compartment, and a lower compartment, a down pipe having an open upper end extending from an intermediate point in said upper compartment through the first partition and into a distributor having a plurality of restricted downwardly directed openings below said first partition, and in said lower compartment another distributor having a plurality of restricted downwardly directed openings, and being constructed and arranged so that it is in communication with the intermediate compartment, a conduit arranged to discharge a liquid reactant downwardly into the top of said down pipe, a distributor located below the opening of said down pipe in said upper compartment having a plurality of upwardly directed restricted openings, a conduit connecting said last named distributor with the lower compartment for recirculation of the liquid therein back through said openings into said upper compartment, and an outlet located in the upper end of said upper compartment.

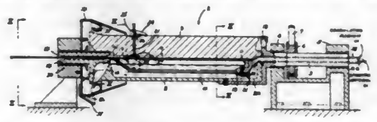
2,453,838
APPARATUS FOR INDICATING THE AVAILABLE SEATING ACCOMMODATION AT PLACES OF ENTERTAINMENT
Roy Alan Fletcher and Leslie Harold Bevan, London, England
Application February 19, 1946, Serial No. 648,680
In Great Britain September 9, 1943
8 Claims. (Cl. 177—311)



1. In places of entertainment or the like, a plurality of seats of the tip-up kind, electric switches associated with said seats respectively, each of said switches including an envelope mounted on the tip-up portion of the respective seat, a body of mercury in said envelope, contacts exposed in said envelope and means whereby, in response to said envelope being tilted by said seat being operated from the tipped-down to the tipped-up position, said mercury runs through a restricted orifice to a position in said envelope such that, when a sufficient amount of mercury has passed through said orifice, it bridges said contacts, and, in response to said envelope being tilted back by said seat being operated to the tipped-down position, said mercury unbridges said contacts substantially instantaneously, remote indicators associated with said seats respectively, and means whereby in response to the contacts of a switch being bridged, the corresponding remote indicator gives indication that the corresponding seat is vacant, and, in response to said contacts being unbridged, said remote indicator gives indication that said seat is occupied.

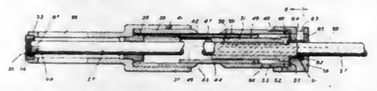
2,453,839
METHOD AND APPARATUS FOR SPINNING ARTIFICIAL FILAMENTS
William H. Furness, Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application December 13, 1945, Serial No. 634,752
19 Claims. (Cl. 18—8)

13. Apparatus for spinning artificial filaments comprising a rotatable support, a receptacle carried by said support for rotation therewith, a spinneret in the receptacle, a supply duct connected to the spinneret and carried by the support for rotation therewith, said receptacle comprising two complementary members each extending longitudinally from a position adjacent the spinneret to a position away from the spinneret, a longitudinal channel provided in one of



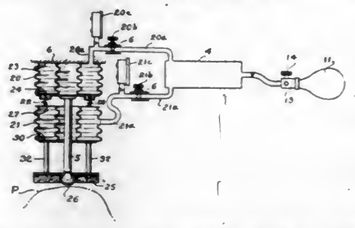
the members and the other having one surface facing the channel and enclosing one side of it, said latter member being pivotally mounted about an axis transverse of the rotational axis of the receptacle.

2,453,840
INSERT COIL SETTING TOOL
Kenneth B. Geertsema, Valley Stream, N. Y., assignor to Heli-Coil Corporation, a corporation of New York
Application July 25, 1945, Serial No. 606,957
6 Claims. (Cl. 10—1)



1. A tool for setting an insert coil in the threading of a tapped hole comprising a tubular member with an interior threading at one of its ends and a coil-receiving chamber in the rear of said threading, a rod-like member movable in said tubular member and having an end shaped to grip, from the inside, a coil charged into said chamber and to screw it through said threading, two interengaging screw threaded elements between said members, one of said elements being non-rotatable in relation to one of said members, and the other element being non-rotatable in relation to the other one of said members, the threadings of said elements having a pitch equal to that of said threading of said tubular member, and means in engagement with one of said screw means and said rod-like member so as to permit a limited axial shift of the latter in relation to the former.

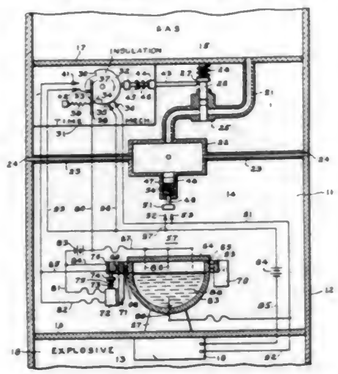
2,453,841
MEDICAL DIAGNOSTIC DEVICE
Lorand J. B. Gluzek, Parma, Ohio, assignor to Dolorimeter, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 26, 1944, Serial No. 569,850
1 Claim. (Cl. 128—2)



In a dolormeter instrument, a fluid pressure operated spring bellows having an applicator arranged to apply pain producing pressure over a relatively small body area, a second fluid pressure operated spring bellows with an applicator adapt-

ed to apply a pain neutralizing pressure to a larger body area adjacent said first body area, and abutment means between relatively adjacent but normally spaced walls of respective bellows and operative to cause the second bellows to act automatically on the first bellows to cause it to move bodily in a direction away from said small body area whereby to lessen the actual pressure applied thereby to said small body area during application of said neutralizing pressure.

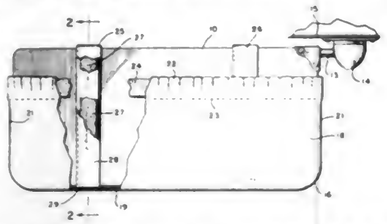
2,453,842
GAS BOMB
John Hays Hammond, Jr., Gloucester, Mass.
Application January 28, 1944, Serial No. 520,053
6 Claims. (Cl. 102—6)



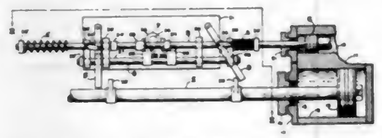
4. A gas bomb comprising a source of gas and an exposive charge, a detonator for said charge including a detonating circuit to actuate said detonator when energized, a passage for releasing said gas, a normally open valve controlling the flow of gas through said passage, a latch member latching said valve in closed position, timed means to release said latch member for opening said valve to release said gas, a pressure switch actuated in response to excessive gas pressure in said passage, said switch being connected to close said detonating circuit so as to explode said charge when discharge of said gas is prevented to an extent to build up pressure in said passage, timed means to close said detonating circuit at the end of a predetermined time for destroying said bomb, a liquid contact gravity controlled switch, means mounting said gravity switch for universal movement to assume a horizontal position with its contacts open when the bomb comes to rest, and timed means locking said gravity switch in its position of rest so that tilting movement of said bomb thereafter will close its contacts, said timed means also connecting said gravity switch in said detonating circuit.

2,453,843
ARTICLE HOLDER FOR ATTACHMENT TO AUTOMOBILE VISORS
Kenneth Lyle Hanson, Minneapolis, Minn.
Application September 6, 1947, Serial No. 772,547
7 Claims. (Cl. 224—42.42)

7. An article holder for application to a glare shield, said holder comprising an elongated envelope having a front wall and a rear wall, connections between said walls along the end and bottom edges of the envelope, said envelope being open at the top for the reception of the glare shield and forming therewith pockets between said walls and said glare shield, an elastic band encircling said envelope at the upper edge thereof and secured to said front and rear walls, said band serving to close said pockets and to retain therein articles placed within the same, and attaching means for attaching the envelope to the glare shield, said attaching means comprising an elastic strap encircling said glare shield and disposed within said envelope, said strap being secured to said envelope upon the interior thereof.



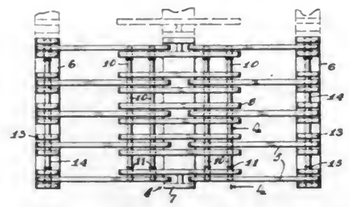
2,453,844
SNAP ACTING MECHANISM ADAPTED FOR OPERATING VALVES OF STEAM ENGINES
William Hungate, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application April 12, 1946, Serial No. 661,826
2 Claims. (Cl. 121—164)



1. In a steam engine having a piston and a piston rod and valves covering the inlet and exhaust ports carried by a valve rod, a pair of spaced springs mounted on the valve rod, a cam roller adapted to assume a first position to engage with said valve rod and lock it against longitudinal movement and to assume a second position to release the valve rod for longitudinal movement, a first linkage arranged to compress one of the springs when the piston rod is moving in a first direction, a second linkage arranged to compress the second spring when the piston rod is moving in the opposite direction, a pair of cam surfaces longitudinally movable with respect to the valve rod mechanically connected to said first and second linkages whereby one of the cam surfaces moves the cam roller from its first to its second position as the piston rod is at a predetermined point near the end of its stroke in the first direction and the second cam surface engages the cam roller to move it from its first to its second position as the piston rod is at a predetermined point near the end of its stroke in the opposite direction.

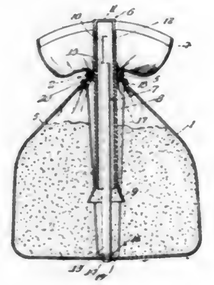
2,453,845
FLEXIBLE WORK TRAY FOR HEAT-TREATING FURNACES
Harold F. Jackson, Springfield, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio
Application May 8, 1946, Serial No. 668,116
4 Claims. (Cl. 263—47)

2. In a work tray for furnaces, a center runner and side runners for riding respectively on center and side support rails, a center set of cross bars mounted on and rigidly attached to said center member in spaced relation lengthwise of the member with their ends projecting beyond the respective sides thereof, a side set of cross bars at each side of the center runner lapping the



adjacent ends of some at least of said center set of bars and having multiple longitudinally spaced lost motion connection therewith for relative vertical movements and having their outer ends in flexible joint connection with the respective side member.

2,453,846
COMBINED TOBACCO POUCH AND CIGARETTE ROLLING DEVICE
Michael J. Kehoe, Springfield, Ohio, assignor of forty-nine per cent to Fred J. Topp, Springfield, Ohio
Application December 20, 1944, Serial No. 568,950
5 Claims. (Cl. 131—73)

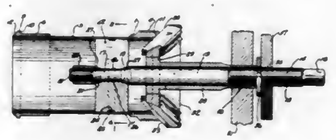


1. A combined tobacco container and cigarette rolling device comprising a container for holding loose tobacco, said container being provided with an opening, a tubular member extending from the inside of said container through said opening adapted to hold a tubular rolled cigarette paper against its inner wall, and a plunger held by said container and extending into said tubular member, the plunger being fastened to the bottom of the pouch and the sides of the pouch adjacent to the lower edge of the plunger being secured together to form flattened areas readily grasped between the fingers to permit movement of the plunger longitudinally with respect to the tubular member, said plunger being adapted for movement longitudinally of said tubular member to pack tobacco within said rolled cigarette paper positioned against the inner wall of said tubular member.

2,453,847
PROCESS FOR ACCELERATING ALUMINA HYDROSOL FORMATION BY AERATION
Charles N. Kimberlin, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 14, 1946, Serial No. 654,502
4 Claims. (Cl. 252—313)

1. In the process for the production of alumina hydrosols by contacting amalgamated aluminum with a dilute aqueous solution of an organic acid, the improvement which comprises blowing the reaction mixture of amalgamated aluminum and acid with an oxygen-containing gas thereby substantially increasing the rate at which the alumina hydrosol is formed.

2,453,848
FACING TOOL
Francis G. Livingston and Charles L. Livingston, Algona, Iowa
Application March 18, 1946, Serial No. 655,283
1 Claim. (Cl. 90—12)

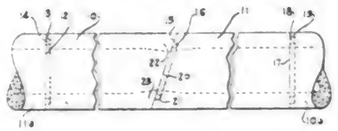


A facing tool for operating on a tubular member comprising a stem having an annular wedging surface spaced from an end, a nut threaded on said end and having its end which faces the annular wedging surface of the stem formed with an annular wedging surface, said stem having its opposite end formed with a relatively long threaded section, a supporting member in which said stem is centered surrounding the portion of the stem between said two annular wedging surfaces, said supporting member being formed of a plurality of sector-shaped sections and said stem being rotatable to cause movement of said nut and annular wedging surface thereof toward the annular wedging surface of the stem and expansion of the sections into tight engagement with the interior wall of the tubular member to be faced, a relatively long sleeve slidably and rotatably mounted on an intermediate portion of said stem, a cutter rigidly connected to one end of said sleeve and rotatable in response to rotation of the latter, a handle at the opposite end of the sleeve, a feed wheel threaded on the relatively long threaded section of the stem outwardly of the sleeve, and a washer slidably and non-rotatably surrounding the stem between the feed wheel and sleeve and engaged by the feed wheel to feed the cutter toward the work when the feed wheel is turned, the portion of the stem outwardly of the feed wheel being accessible for manipulation to cause rotation of the stem.

2,453,849
PIPE JOINT
John L. Merriam, Yucaipa, Calif.
Application March 8, 1947, Serial No. 733,291
3 Claims. (Cl. 285—112)

3. A pipe made up of sections having mutually engageable male and female end formations, some of said end formations being on end faces perpendicular to the axes of their respective sections

and others being on end faces which are oblique thereto but all of the male and female end formations respectively being circular and interchangeable.



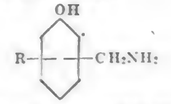
2,453,850

LUBRICATING COMPOSITIONS

Louis A. Mikeska and Allen R. Kittleson, Westfield, N. J., and Warren M. Smith, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 3, 1941, Serial No. 421,454
3 Claims. (Cl. 252—51.5)

1. Improved lubricant composition comprising a mineral lubricating oil and a small proportion of an oil-soluble resinous auto-condensation product of an alkyl hydroxy benzyl amine having the general compositional formula



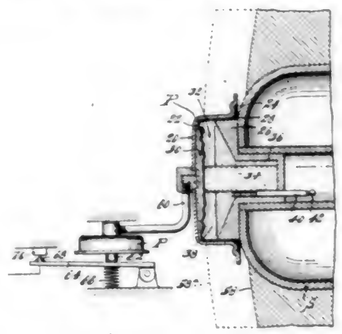
in which R represents an alkyl group of at least 4 carbon atoms.

2,453,851

THERMOSTATIC POWER ELEMENT

Julian P. Miller, Goshen, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application August 10, 1945, Serial No. 610,151
10 Claims. (Cl. 297—3)



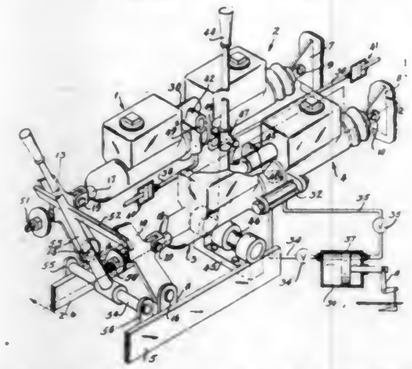
1. In a power element, a housing having opposed stationary and movable walls, a control device operable in response to movement of said movable wall, a freezable liquid in said housing, and means for effecting movement of said movable wall in response to freezing of the liquid comprising a displaceable element in said housing having its ends contacting said walls, said element being capable of diametric contraction due to the freezing of the liquid around its diameter, said displaceable element thereby expanding linearly to effect movement of said movable wall ahead of the freezing liquid behind it.

2,453,852

MECHANISM FOR SELECTIVE OPERATION OF A PLURALITY OF MASTER CYLINDERS

Arthur N. Milster, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application January 24, 1947, Serial No. 724,056
5 Claims. (Cl. 60—54.5)



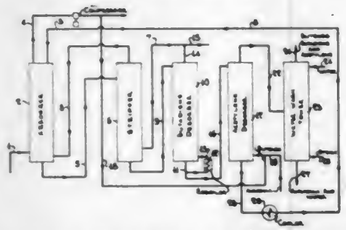
1. A mechanism comprising a plurality of pressure fluid motor means; a plurality of pressure fluid producing means; means to establish communication between each motor means and a pressure fluid producing means; a shiftable member to selectively severally actuate said pressure fluid producing means to thereby severally selectively actuate said motor means; means to selectively apply equal pressure to some of said motor means; means to selectively apply equal pressure to the other of said motor means; and means to apply equal pressure to all of said motor means.

2,453,853

SEPARATING HYDROCARBONS

Charles E. Morrell, Westfield, and Miller W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application December 28, 1944, Serial No. 570,194
3 Claims. (Cl. 260—681.5)



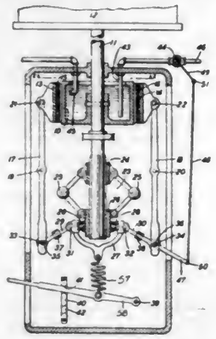
1. Process of separating and segregating butadiene from a mixture of hydrocarbons containing butadiene and acetylenes which comprises absorbing the acetylenes and the butadiene from the said hydrocarbon mixture by contacting with an ammoniacal cuprous salt solution in which the ammonia is maintained at a high enough concentration to maintain the copper acetylides formed in dissolved form, separating copper solution from unabsorbed hydrocarbons, heating the cuprous salt solution to a temperature range of from 40° to 100° F. to release absorbed butenes, further heating the cuprous salt solution to a temperature ranging from 140° to 170° F. while maintaining a reflux temperature ranging from 70° to 100° F., so that only butadiene will be desorbed, then separately subjecting the resulting cuprous salt solution substantially free of butadiene at temperatures ranging from 140° to 180° F. to the stripping action of said unabsorbed hydrocarbons, to remove acetylenes.

2,453,854

SPEED RESPONSIVE BRAKE FOR DECELERATION OF CENTRIFUGAL MACHINES

Charles A. Olcott, West Milford, N. J.

Application May 8, 1942, Serial No. 442,156
4 Claims. (Cl. 188—186)



1. The combination with a heavy centrifugal machine of great inertia and of the type which is adapted for operation on frequently repeated cycles during each of which it is run at high speed for a portion of the cycle free from application of braking force thereto and is then quickly decelerated to rest, of braking means, including a rotating portion attached to and rotating with the centrifugal machine at all speeds, for quickly decelerating said machine when it is desired to bring it to rest, control means for placing said braking means in a released position or in a position at which braking force is applied while said machine is rotating, and means, responsive to the speed of the centrifugal machine and effective only while said control means is in its brake applying position, for controling said braking means so that the braking effect is inversely proportional to the speed of the machine throughout at least one third of the braking period and is independent of the speed of the machine at the time the braking means is applied.

2,453,855

HYDRAULIC LOCK

Wilbur C. Oliver, Burbank, Calif., assignor to Adel Precision Products Corp., Burbank, Calif., a corporation of California

Application November 21, 1947, Serial No. 787,349
10 Claims. (Cl. 74—586)

1. In an adjustment-permitting and locking device adapted to adjustably interconnect two relatively movable elements, the combination of: a fluid filled cylinder adapted to be connected to one of the elements; a piston slidable in said cylinder and provided with a rod adapted to be connected to the other of the elements, said piston having a first fluid passage therein adapted to communicate with the interior of said cylinder at opposite sides of said piston, said piston also having a port therein; a main fluid balanced valve movable in said piston and having a by-pass opening in fluid communication with said port, said by-pass and port providing a second fluid passage through which fluid can pass from one end of said cylinder to the other end thereof; spring means operable to move said main valve in one direction to close said first passage so as to lock said cylinder and said piston to prevent longitudinal contraction of the device; manually operable means for moving said main valve in the opposite direction to open said first passage so as to unlock said cylinder and said piston and permit relative movement thereof in opposite directions so as to allow longitudinal extension and contraction of the device; and an auxiliary valve in said piston between said by-pass and said port and normally operative to close said second fluid passage but adapted to be opened in response to fluid pressure in said by-pass opening, when said main valve is closed, so as to permit longitudinal extension of said device.

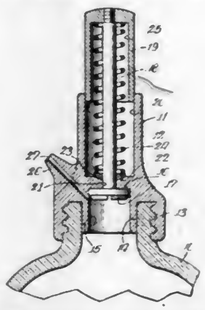


2,453,856

LIQUID DISPENSING DEVICE

Fred W. Opitz, Chicago, Ill.

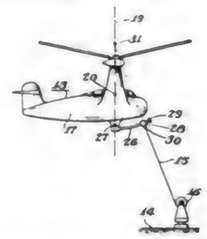
Application June 14, 1945, Serial No. 599,359
5 Claims. (Cl. 215—3)



1. A liquid dispensing device comprising a casing adapted to be mounted in threaded engagement with a bottle, said casing having a piston chamber and a spring chamber, a seat formed in said piston chamber, a plunger rod extending from said spring chamber into said piston chamber, a discharge nipple carried by said casing having an outlet duct communicating with said piston chamber, a disc-like member mounted on the inner end of said plunger rod and normally seated on the seat in said chamber, the inner end of said outlet duct communicating with said piston chamber at a point spaced from the seat of said piston member and normally in communication

with said piston chamber, and a spring mounted in said spring chamber and surrounding said plunger rod for actuating said disc-like member outwardly to discharge the liquid therefrom.

2,453,857
AIRCRAFT MOORING DEVICE
Haviland H. Platt, New York, N. Y., and Wynn Laurence Le Page, Ardmore, Pa., assignors, by mesne assignments, to McDonnell Aircraft Corporation, St. Louis, Mo., a corporation of Maryland
Application November 14, 1941, Serial No. 419,114
8 Claims. (Cl. 244—17)



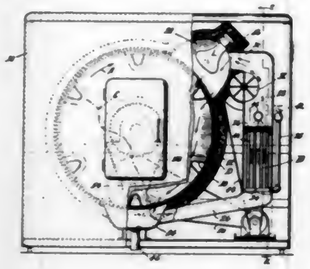
1. A mooring device for an aircraft including a pair of parallel arcuate tracks secured to the lower part of said aircraft, a generally transverse carriage adapted to run in said track and having a transverse track formed thereon, and mooring line attachment means mounted upon said transverse track and freely moveable therealong.

2,453,858
PROCESS FOR OBTAINING RUBBER FROM GOLDENROD LEAVES
Nandor Porges, Metairie, and Elisha F. Pollard and James J. Spadaro, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application March 24, 1945, Serial No. 584,680
2 Claims. (Cl. 195—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of obtaining rubber from goldenrod leaves comprising inoculating said leaves with digested sewage sludge inoculum, allowing the disintegrating microorganisms of the inoculum to act until the liquor becomes spent, draining the spent liquor, reinoculating the leaves at intervals and draining after inoculations as the liquor becomes spent, until microbiological disintegration of the non-rubber constituents of the leaves has been effected to the extent that the weight of the goldenrod leaves, on a dry-weight basis, has been reduced about by 29.6 to 41.6 percent, treating the disintegrated leaves with a resin solvent to extract the resins and then treating the leaves with a rubber solvent to extract the rubber, purifying the rubber solution by adding acetone to precipitate the rubber, and finally recovering the precipitated rubber.

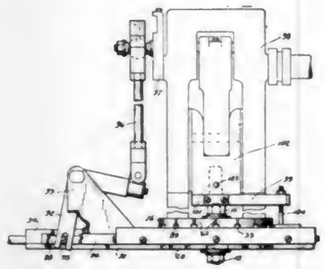
2,453,859
CLOTHES DRIER
Merlin L. Pugh, Minneapolis, Minn.
Application December 13, 1944, Serial No. 567,923
1 Claim. (Cl. 34—60)

In a clothes drier, a casing having a clothes-receiving opening in the front thereof, a drum rotatable in said casing and having a clothes-receiving opening registering with the clothes-receiving opening of said casing, means for rotating said drum and for effecting circulation of air within said casing, said drum being perforated to permit such circulation of air, a source of radiant heat comprising infra-red ray lamps within said casing and in such position outside said drum that rays therefrom pass into the drum to dry clothes being



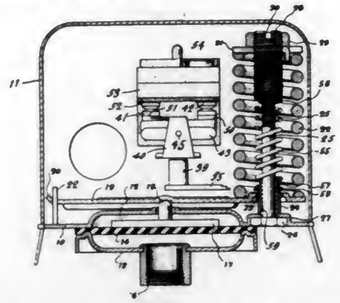
tumbled therein to evaporate the moisture therefrom, means for directing said circulating air over said source of radiant heat, cooling surfaces in the path of said circulating air exteriorly of said drum, means for cooling said surfaces to remove moisture from said circulating air and means for wetting said surfaces to remove lint from said circulating air and for washing the lint so removed from said surfaces.

2,453,860
SLIDER BENDING MACHINE
Louis M. Rabinowitz, Brooklyn, N. Y., assignor to Lamar Slide Fastener Corporation, New York, N. Y., a corporation of New York
Application March 27, 1946, Serial No. 657,482
14 Claims. (Cl. 153—21)



1. In a machine for bending preformed partially folded sliders for slide fasteners, rotatable means for transporting sliders in succession from a point of feeding to a point of bending, a reciprocable punch acting on the sliders at the point of bending to deform the same to a predetermined final shape, and anvil members mounted for movement conjointly with and relative to said rotatable means and displaceable from a retracted position at the point of feeding of the sliders to an operative position at the point of bending of the sliders in which latter position said members extend between the wings of the transported sliders to provide surfaces limiting the deformation of the sliders by the punch to the amount required to define said final shape of the sliders.

2,453,861
ADJUSTING MEANS FOR CONTROL DEVICES
John J. Rothwell, Elkhart, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application August 27, 1946, Serial No. 693,299
7 Claims. (Cl. 74—469)



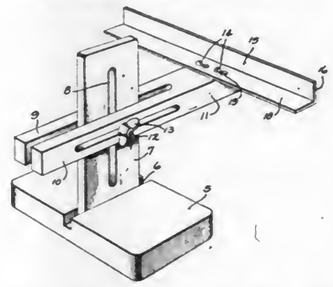
1. In adjusting means for a control device having a control arm, a range spring, a stationary threaded element, a sleeve threaded thereon, a range adjusting nut for the range spring threaded on said sleeve, a differential spring within the range spring and engaging said sleeve for adjustment thereby when the sleeve is adjusted relative to said threaded element and said range adjusting nut, an element engaged by said differential spring, a stop engaged by said element, said control arm during movement from one limit to another being effective to engage said element and move it away from said stop in opposition to said differential spring.

2,453,862
GASTROSCOPE
Peter Frederic Salisbury, Los Angeles, Calif.
Application June 2, 1947, Serial No. 751,913
7 Claims. (Cl. 128—9)



3. In a gastroscope, a tubular handle shaft having an eye piece, a flexible tubular mid-portion joined to said handle shaft, a tip portion connected to said flexible tubular mid-portion and having a viewing window, a plurality of tube sections arranged end to end in said flexible mid-portion and each having an image transmitting lens and an annular flange projecting outwardly and having bearing engagement with the inner surface of said flexible mid-portion for spacing its respective tube sections from the inner surface of said mid-section, said flanges each having a plurality of apertures therein, an operating member having a universally tiltable connection with said handle shaft, and a plurality of operating cables connecting said operating member to said tip portion and extending through the apertures in said flanges.

2,453,863
CAP STRIP GAUGE
Wallace S. Salisbury, Sharon, Wis.
Application December 4, 1944, Serial No. 566,512
3 Claims. (Cl. 29—284)

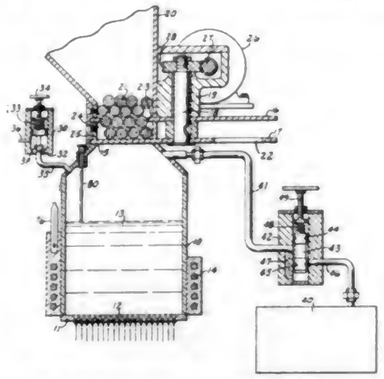


1. A combination gauge and slide device for applying to a wall a cap-strip having a downwardly opening channel on its outer face, said device comprising a base freely movable on the floor as it is progressively advanced along said wall, a standard unitarily mounted on the base, a bracket arm projecting from the standard toward the wall, and a gauge and slide member mounted at the end of the arm and extending transversely thereof and longitudinally of the cap-strip and having upstanding means sufficiently thin to enter the cap-strip channel and providing cap-strip support at least at two points spaced longitudinally of the cap-strip at opposite sides of the arm, said means being slidable within the channel and interlocked with said cap-strip when in use to be guided thereby as the cap-strip is secured to the wall behind the progressively advanced device.

2,453,864
METHOD FOR DRAWING FIBERS
Walter R. Schlehr, Toledo, Ohio, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio
Application March 20, 1946, Serial No. 655,816
9 Claims. (Cl. 49—77.5)

9. The method of producing fibers or filaments that includes, introducing materials from which the fibers or filaments are produced into a heating chamber having a plurality of orifices in one wall thereof, which materials are capable of liberating gas having low solubility in the molten material upon heating thereof, heating the materials within the heating chamber to render them viscous with consequent liberation of gas therefrom to control the atmosphere in the chamber thereby and render the material free of gas bubbles, confining the liberated gas within the heating chamber to establish and maintain a gas pressure above atmosphere upon the body of viscous material therein to exude the material through the orifices, exhausting a part of the liberated gases from the heating chamber to maintain the pressure therein constant, introducing a like gas into the heating chamber from

an external source of supply to augment the supply of gases liberated within the heating cham-



ber, and attenuating the viscous material into fibers as exuded from the orifices.

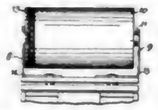
2,453,865

RESISTANCE UNIT FOR FLASHLIGHTS

Elmer A. Schmidt, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application November 13, 1944, Serial No. 563,130

8 Claims. (Cl. 201—67)



1. In a resistance unit adapted to be abutted against the end of a battery having a terminal projecting therefrom, the combination of a flat body member formed of insulating material, said body member having a shape conforming to that of the end of the battery with which it is intended to be used and a peripheral groove in its outer edge, a terminal member fixed to one face of said body member and adapted to engage the terminal of the battery when the body member is abutted against the end of the battery, a second terminal member fixed to the other face of said body member, resistance wire wound around said body member and located within said groove, means for connecting one end of said resistance wire to one of said terminal members, and means for connecting the other end of said resistance wire to the other of said terminal members.

2,453,866

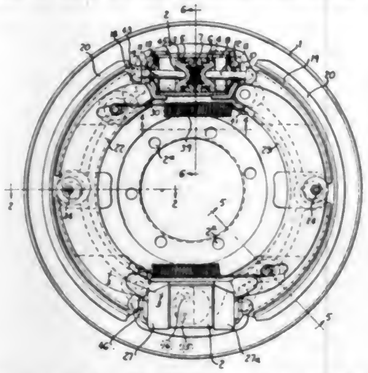
BRAKE WITH TWO ANCHORING SHOES AND WEAR TAKE-UP MEANS THEREFOR

Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application April 27, 1945, Serial No. 590,579

19 Claims. (Cl. 188—78)

1. In a brake, a backing plate; braking means thereon; means to support said braking means on said backing plate, said braking means including a shoe and channel member and in which the shoe has movement substantially radially to said plate; a pair of abutment elements secured to said backing plate at diametrical positions, one of said abutment elements having a slot formed therein in which one end of the braking element is received, the other of said abutment elements having an abutment thereon whose surface is radial to said backing plate against which said channel is engageable; a brake cylinder supported in each of said abutment elements; piston



devices in said cylinder; push-rod elements connected between said piston and said brake means; and said slotted abutment taking up the thrust from said shoe in the forward direction and said radial abutment taking up the brake thrust in the reverse direction of operation.

2,453,867

COSMETIC HOLDER

Sidney Shatkin, Long Branch, N. J., assignor to Crest Silver Mfg. Co. Inc., Matawan, N. J., a corporation of New Jersey

Application December 27, 1946, Serial No. 718,795

8 Claims. (Cl. 206—56)



1. In a cosmetic holder of the character described, a tubular casing, a tubular cover thereon in telescopic slidable relation therewith and removeable therefrom, adapted to be slid onto the casing from both ends of the casing respectively, means on said casing and cover to maintain same against axial rotation with respect to each other, a carrier for a cosmetic member, positioned within the casing, capable of being slid therealong and axially shifted therein; the wall of the casing being provided with a substantially longitudinal slot therethrough, a pin extending laterally from the carrier and exterior of the casing through said slot, a cam element on the cover, presenting an edge, adapted to contact and push said pin when the cover is slid onto either end of the casing and then along the casing; said slot having a terminal slot portion communicative therewith and lateral thereto; the pin being positioned in said slot terminal; said edge of the cam being so slanted with respect to the longitudinal axis of the cover whereby upon movement of the cover onto and along the casing in the direction from the pin towards the other end of the slot, the cam member will move the pin into the main slot and then therealong to the other end of said slot; the casing having an open end and the carrier being near such end when at one of its limit positions within the casing.

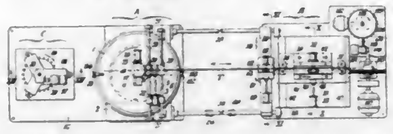
2,453,868

APPARATUS FOR AUTOMATICALLY BENDING WORK SUCH AS TUBING INTO SERPENTINE COILS

Ralph M. Shaw, Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 20, 1947, Serial No. 729,808

15 Claims. (Cl. 153—2)



1. In bar or tube bending apparatus for forming determinate shapes, a rotatable bend-effecting mechanism, means operative to shift the axis of rotation of said mechanism for directional control of its pivotal movement, an intermittently movable feeder for the bar or tube and a straightener feed-arresting device, said mechanism, feeder, and device being aligned; mechanism for timing operation of the aforesaid parts and means; and a control, synchronized with the timing mechanism, whereby the parts and means aforesaid are actuable to complete the desired bending cycle.

13. In a bending machine of the type described the combination of clamp means operative to straighten-out bar or tube lengths fed thereto; feeding-means for gripping and progressing the bar or tube lengths forwardly; means for stopping the feeding-means at predetermined intervals; means for forming relatively-reverse curved-bends in the bar or tube when the feeding-means is stopped; and a timing-device effective to selectively activate the several means aforesaid to produce a shape embodying circular bends with connecting straight runs.

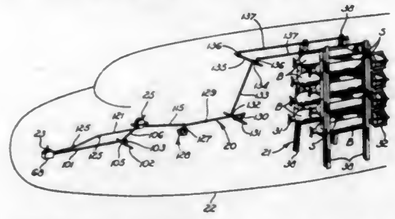
2,453,869

BOMB-CARRYING APPARATUS FOR AIRCRAFT

Claude C. Slate, Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware

Application August 1, 1941, Serial No. 405,010

54 Claims. (Cl. 89—1.5)



1. An aircraft apparatus for aerial bombs, comprising: a frame comprising an upwardly extending guide channel with a lower entrance end, there being a series of shackle stations spaced along said channel; a plurality of bomb shackles having projections for sliding engagement with said guide channel, whereby the shackles loaded with bombs may be carried through said stations; engagement means at said shackle stations along said channel to engage said projections for support of said shackles; means pivotally mounting said engagement means and adapting the latter to yield to upward movement of said projections; and means loading said engagement means to return the latter to position to block downward movement of said projections and support the same.

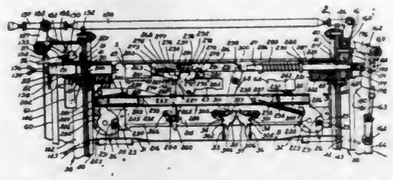
2,453,870

BOMBING ARMAMENT FOR AIRCRAFT

Claude C. Slate, Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware

Application February 13, 1943, Serial No. 475,719

12 Claims. (Cl. 89—1.5)



8. Bombing armament for an aircraft, including in combination: means to releasably support an aerial bomb; means to release said supporting means whereby to drop said bomb; means normally effective to engage both a first relatively movable, quick detonation, arming means, and a second relatively movable, delayed detonation, arming means in said bomb, in a manner to permit release of both said arming means automatically upon accidental or emergency release of said bomb; and control means actuable by said release means and effective to cause said engagement means to engage said two arming means selectively in a positive manner.

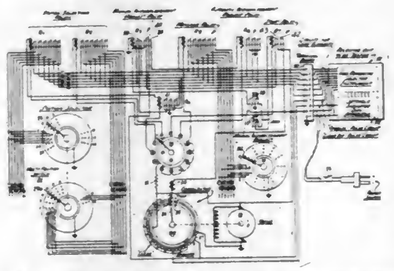
2,453,871

VARIABLE TEST TRANSMITTER

James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 29, 1945, Serial No. 602,233

8 Claims. (Cl. 177—380)

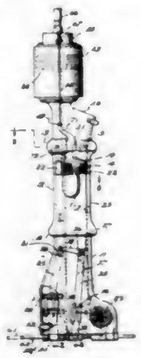


1. A control circuit arrangement comprising in combination a continuously rotating motor driven distributor for timing a plurality of circuit closures on different individual circuits, a magnetically actuated step-by-step switch the actuating coil of which is in circuit with a first segment on said distributor, a power source, a circuit-breaking relay the normally closed contacts of which connect one terminal of said source through said coil and through said distributor to the other terminal of said source, manually adjustable means for composing different code signals to be sequentially transmitted, relays for determining a desired sequence of transmission of such signals, and circuit connections for operating said relays under joint control of said distributor and said step-by-step switch.

2,453,872
UPHOLSTERER'S APPLICATION TOOL
Edward J. Stauffer, Naperville, Ill., assignor to Kroehler Mfg. Co., Naperville, Ill., a corporation of Illinois
Application August 28, 1944, Serial No. 551,585
5 Claims. (Cl. 140—55)

1. A power operated clamping apparatus comprising a vertical housing member enclosing a magazine channelway for a stack of nested upholsterer's clips longitudinally thereof and enclosing also a journal for an operating rod paralleling said channelway, trackway means for supporting the lowermost of a series of clips contained in said magazine channelway for transverse shuttle movement, a set of clamping jaws for processing each clip after it has been advanced in said shuttle movement, a bell crank lever operated by said rod to shuttle each clip from its magazine channelway position to its clamping jaw position and to return for a subsequent clip.

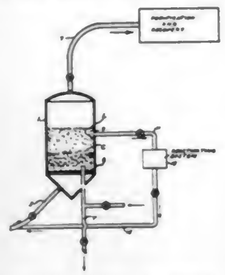
2,453,873
TUBOCURARE PURIFICATION
Frank A. Steidt, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application May 29, 1947, Serial No. 751,457
6 Claims. (Cl. 260—236)



1. The process of preparing in purified form the lissive-active alkaloid of tubocurare, which comprises precipitating gummy impurities from a water solution of crude tubocurare with a monohydric, water-miscible alcohol, preparing a substantially anhydrous solution of the soluble portion of the tubocurare in a monohydric water-miscible alcohol, adsorbing the lissive-active alkaloid and concomitant impurities on activated alumina, selectively desorbing the alkaloid with a substantially anhydrous, monohydric, water-miscible alcohol, and recovering the alkaloid by evaporating the alcohol.

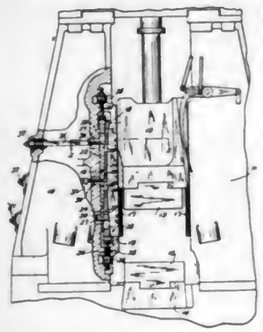
2,453,874
HYDROCARBON SYNTHESIS
Sumner B. Sweetser, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 1, 1946, Serial No. 644,957
9 Claims. (Cl. 260—449.6)

1. The method of forming normally liquid hydrocarbons, which comprises forcing a mixture of carbon monoxide and hydrogen upwardly through a dense suspension of powdered synthesis catalyst and a quantity of powdered dehydration catalyst, fluidized by the upwardly flowing gases, concentrating said dehydration catalyst in the upper portion of said suspension, permitting the carbon monoxide and hydrogen to contact both catalysts at synthesis temperatures and pressures and for



a period of time adapted to effect the formation of major proportions of normally liquid hydrocarbons and minor proportions of oxygenated compounds on said synthesis catalyst, and recovering from said dehydration catalyst a normally liquid total product of relatively low oxygen content.

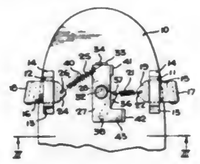
2,453,875
RAM GUIDE
Howard Terhune, Cleveland, Ohio, assignor, by mesne assignments, of one-half to Champion Forge Company, Cleveland, Ohio, a corporation of Ohio
Application May 25, 1944, Serial No. 537,278
2 Claims. (Cl. 308—3)



1. In a forging hammer, a frame standard having a vertical pocket, a ram guide held therein against vertical movement, the rear surface of said guide being curved vertically to conform with a circle of long radius, a backing plate mounted in said standard behind said guide having a guide engaging surface conforming with the same circle, means for adjusting said backing plate vertically, to tilt the guide vertically, and a vertically movable wedge behind said backing plate for moving the backing plate and guide horizontally.

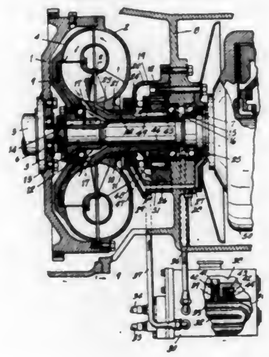
2,453,876
SKATE CLAMP
Albert A. Tolotti, Reno, Nev.
Application May 9, 1947, Serial No. 747,033
4 Claims. (Cl. 280—11.31)

3. A clamping device for attaching a skate having a bottom plate, to a shoe, comprising: a pair of clamping elements slidably mounted on said plate for engaging opposite side edges of a sole of a shoe; a lever pivotally mounted on said plate between said clamping elements; a spring connected



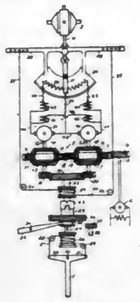
to the inner end of each of said clamping elements; and means connected to said pivoted lever member for varying the effective force of said springs on said clamping elements.

2,453,877
HYDRAULIC TORQUE CONVERTER OF THE CONVERTER COUPLING TYPE
Herbert H. Trail, Kalamazoo, Mich., assignor to Fuller Manufacturing Company, Kalamazoo, Mich.
Application July 10, 1944, Serial No. 544,275
1 Claim. (Cl. 60—54)



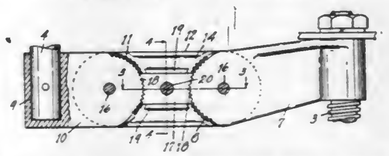
A hydraulic torque converter comprising coacting vaned driving, driven and reaction members, a main shaft to which the driven member is connected, a tubular shaft for the reaction member concentric with and spaced from said main shaft to provide a fluid passage between them, bearings for said main and reaction member shafts disposed in spaced relation at the end of the reaction member shaft to provide a fluid discharge, said reaction member having ports between the vanes thereof located in the zone of the greatest pressure of the vortex and delivering to said passage between said shafts, a one-way brake for said reaction member shaft including a housing constituting a fluid chamber, an element of said overrunning clutch having vanes thereof subject to the fluid in said chamber, a sleeve carried by the driving member and disposed in concentric relation to the reaction member shaft to provide an annular fluid passage connection from said fluid chamber to the fluid intake of the driving member, and a fluid cooling unit provided with an inlet connection opening to said fluid discharge space between said bearings and a delivery connection to said fluid chamber.

2,453,878
AUTOMATIC STEERING APPARATUS
Lev A. Trofimov, Willoughby, Ohio
Application February 5, 1944, Serial No. 521,217
5 Claims. (Cl. 318—489)



1. An automatic pilot system for dirigible vessels and the like, comprising: a movable element for controlling the direction of the vessel; a continuously running power-supplying motor; a transmission for transmitting motor power to the element; the transmission comprising differential gearing constantly driven by the motor; a pair of rotary electro-dynamic devices constantly driven by transmission-transmitted motor power; a rotary output shaft connected to the element; a pair of continuously energized electromagnetic devices, and a rheostat controlling the degree to which the electromagnetic devices are relatively energized to cause them to be balanced and unbalanced; a gyroscope compass and means associated therewith for causing operation of the rheostat to unbalance the energization of the electromagnetic devices upon deviation of the vessel from its course, and to operate the rheostat toward balancing the devices upon return of the vessel toward its course; the electrodynamic devices being responsive to unbalanced energization of the electromagnetic devices to cause the transmission to deliver power to the output shaft to rotate it and move the element; movable means moved by power delivered by the transmission and associated with the rheostat to operate it to tend to restore balanced energization of the electromagnetic devices; and the electrodynamic devices being responsive to balanced energization of the electromagnetic devices to cause the transmission to discontinue the delivery of power to the output shaft.

2,453,879
LOCKING MEANS FOR ADJUSTABLE BACK CHAIRS
Tracy H. Van Buren, Sturgis, Mich.
Application November 9, 1946, Serial No. 708,893
9 Claims. (Cl. 155—157)



5. In a chair, the combination with a seat and back, of a back supporting arm disposed below the seat and provided with a segmental serrated clutch jaw, a back supporting bracket provided with a segmental serrated clutch jaw, the serra-

tions of said jaws being transversely inclined in the same direction, a supporting link pivotally connected to said arm and bracket, the pivots being centered relative to the jaws thereof, a coacting clutch adjusting member provided with serrated clutch jaws operatively associated with the clutch jaws of said arm and bracket and transversely inclined oppositely to the jaws of said arm and bracket, means for engaging and disengaging said coupling clutch member comprising a spindle rotatably mounted on said link and having cam means associated therewith whereby the spindle is moved axially by a rotative movement thereof, said adjusting clutch member being connected to said spindle for movement axially therewith.

2,453,880

CONTAINER

Byron M. Vanderbilt, Westfield, N. J., and Paul T. Parker, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 28, 1943, Serial No. 515,980
2 Claims. (Cl. 220—64)

2. A shipping and storage container comprising a base material and a coating on said base material, for non-adherent contact with the contents of the container, said coating comprising a dry residue of an aqueous dispersion of 24 parts of a water-soluble metal soap, 12 parts of a water insoluble wax, 30 parts of zinc stearate, and 3 parts of a copolymer of the composition consisting of butadiene and acrylonitrile, the latter being present in amounts between 25 and 75%, said soap constituting at least 25% of the solids in said coating.

2,453,881

INHIBITION OF CORROSION IN WELLS

Prentiss S. Viles and Elza Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 24, 1946, Serial No. 643,206
4 Claims. (Cl. 252—8.55)

1. A method for reducing the corrosiveness to corrodible ferrous metal of a corrosive petroliferous well fluid including moisture and carbon dioxide which comprises introducing into said fluid a corrosion inhibiting amount of carbon disulfide.

2,453,882

INHIBITING CORROSION IN WELLS

Prentiss S. Viles and Elza Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 24, 1946, Serial No. 643,207
6 Claims. (Cl. 252—8.55)

1. A method for reducing the corrosiveness to corrodible ferrous metal of a corrosive fluid including moisture and carbon dioxide which comprises introducing into said fluid a corrosion inhibiting amount of elemental sulfur.

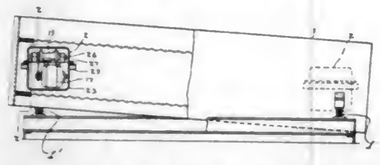
2,453,883

VIBRATORY SCREEN

John L. Wettlaufer, Toronto, Ontario, Canada

Application January 4, 1945, Serial No. 571,311
3 Claims. (Cl. 209—326)

1. A vibratory screen, comprising a resiliently supported screen inclined longitudinally, a pair of rigid frame bars extending transversely of the screen and rigidly connected to the frame of the screen, journal bearings mounted centrally of the length of said bars, an individual spool-shaped vibratory member extending transversely between said rigid frame bars and having eccentric shaft extensions journalled in said journal bearings, and a motor resiliently suspended from said frame bars and operatively connected to drive said vi-



bratory member, said vibratory member having its axis extending longitudinally of the screen to impart its vibrations directly to said frame bars through said journal bearings and substantially in a direction longitudinally of said frame bars and transversely of the screen to direct the material being screened from side to side of the screen in its travel down the inclined screen surface.

2,453,884

HAND SIGNAL DISCHARGER

Leon V. Whipple, Berkley, Mich., assignor to Eureka Williams Corporation, a corporation of Michigan

Application June 16, 1943, Serial No. 491,267
3 Claims. (Cl. 42—2)



1. A discharger comprising a barrel, a breech member, a housing projecting from said breech member, and firing mechanism carried by said breech member and including a firing pin and an exposed knob connected to said firing pin in order that a blow may be imparted thereto for moving said knob toward said breech member for actuating said firing pin, said knob being provided with a shoulder on one side thereof facing said breech member and a spring member positioned in the path of movement of said shoulder upon movement of said knob for obstructing movement of said knob and firing pin, said spring member being mounted on said breech member, said knob and spring being constructed and arranged so as to be relatively rotatable about the axis of said firing pin so as to effect disalignment of said spring and shoulder in order to permit actuation of said firing pin, said spring bearing against said knob so as to bias said knob and spring against relative rotation.

2,453,885

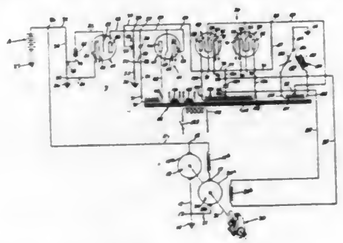
GENERATING SYSTEM

Theodore J. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application June 26, 1944, Serial No. 542,100
8 Claims. (Cl. 322—36)

1. A constant voltage direct current generating system comprising, in combination: a main generator having a main generator field; an accessory generator having an accessory generator field, said

accessory generator being connected to supply a separate excitation potential to said main generator field; motor means for mechanically operating said main and accessory generators; and a control device comprising transformer means having a primary winding and a plurality of secondary windings, means adapted to energize said transformer with alternating current, a thermionic amplifier having cathode, anode, and control electrodes, rectifier means energizing the anode circuit of said amplifier from one of said



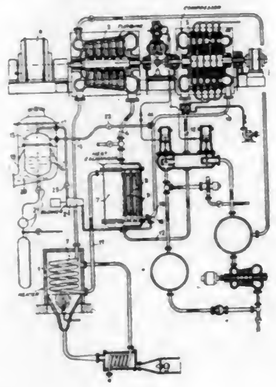
transformer secondaries, a source of comparative potential, means adjustably connecting the output of said main generator, in opposed relation to said source of comparative potential, in the grid circuit of said thermionic amplifier, an electronic full wave grid controlled rectifier providing energization for said accessory generator field from said transformer, and adjustable means and responsive means including said thermionic amplifier controlling the operation of said grid controlled rectifier, said first named rectifier means including a resistor in said anode circuit.

2,453,886

THERMAL POWER PLANT AND ITS WORKING MEDIUM, WITH METHOD OF OPERATION

Jakob Ackeret, Kusnacht, near Zurich, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland

Application August 31, 1944, Serial No. 552,071
In Switzerland October 11, 1943
6 Claims. (Cl. 60—59)



2. A method of converting heat into work which comprises establishing a closed circuit charged with a gaseous working medium having helium as a base and containing at least one other gas, the gases being present in such proportions that the average molecular weight of the mixture is more than 5 but less than 15, and its velocity of sound at normal temperature does not exceed 900 and is not less than 500 meters per second; heating said medium in one part of the circuit by supplying heat from an external source; then expanding the heated medium while giving up energy kinetically to at least one consumer of useful output; thereafter kinetically compressing the expanded medium; and causing the medium after said expansion to exchange heat with working medium after said compression and preparatory to supplying heat from an external source for the next cycle.

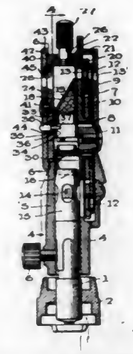
4. Thermal power plant, in which a working medium describes a closed cycle, comprising an external source of heat in which heat is supplied to the working medium; a prime mover of the turbine type in which the working medium thus heated up is allowed to expand whilst the prime mover delivers power externally; a compressor of the turbo type driven by said prime mover for compressing the expanded medium again to a higher pressure; and a heat exchanger in which the expanded part of the working medium issuing from the prime mover gives off heat to the re-compressed part of the working medium issuing from the compressor before heat is supplied to this re-compressed part; said working medium consisting of a gas mixture with helium as basis and at least one further gas, the average molecular weight of this gas mixture being more than 5 but less than 15 and its velocity of sound at normal temperature not exceeding 900 m./sec. and being not less than 500 m./sec.

2,453,887

DIAGNOSTIC INSTRUMENT FOR EXAMINING THE EYE

William N. Allyn, Skaneateles, N. Y., assignor to Welch Allyn, Inc., Auburn, N. Y., a corporation of New York

Application March 9, 1945, Serial No. 581,752
1 Claim. (Cl. 88—20)



A diagnostic instrument, comprising a portable lamp support, a lamp mounted on said support, a light projecting prism mounted on said support in the axial path of the light beam from the lamp and rotatable in opposite directions about an axis coinciding with the axis of the lamp, said prism having a light-reflecting surface for projecting the light beam substantially perpendicular to the axis of the lamp, and means instantaneously adjustable independently of movement of the lamp support and lamp for rotating the prism about its

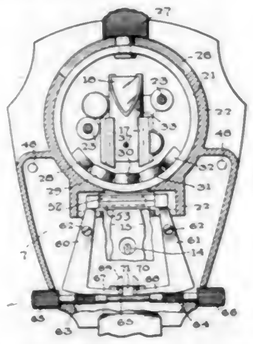
axis aforesaid for laterally shifting the projected light beam in a plane substantially perpendicular to the axis of the lamp, said last-named means comprising an actuating member rotatably mounted on said support, a laterally shiftable slide member mounted on said support, and a pin carried by said slide member, said pin being eccentrically connected to the rotatable actuating member and also operatively connected to the prism for rotatively adjusting the prism about its axis aforesaid.

2,453,888

OPTICAL INSTRUMENT FOR EXAMINING AND MEASURING CHARACTERISTICS OF THE EYE

William N. Allyn, Skaneateles, N. Y., assignor to Welch Allyn, Inc., Auburn, N. Y., a corporation of New York

Application July 1, 1946, Serial No. 680,697
10 Claims. (Cl. 88—20)



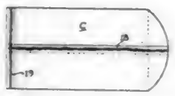
1. An optical instrument for examining the eye, comprising a support, means carried by said support for directing a light beam into the eye of a subject while permitting observation of the illuminated field of the eye, and means for measuring the dimensions of certain characteristics of the eye within the illuminated field, said last-named means comprising means for projecting shadow lines into the eye by the light beam aforesaid, and means for adjusting the shadow line projecting means aforesaid for varying the spacing of said shadow lines relative to each other independently of the position of the instrument and in proportion to the measurement being made.

2,453,889

METHOD FOR HEAT SEALING THE SEAMS OF PAPER BAGS

Albert M. Bojanower, Downey, Calif., assignor to Western Waxed Paper Company, Oakland, Calif., a corporation of California

Application March 7, 1944, Serial No. 525,430
2 Claims. (Cl. 154—116)



1. The improved method of heat-sealing a seam in a paper bag formed by two overlapping plies of waxed paper, which method includes heating the paper along the seam by means of a small jet of steam injected downwardly against the upper face of the upper overlapping ply, restricting the heating of the paper to the direct contact of the steam jet with the paper and keeping the paper from actual contact with any heated solid object in order to avoid excessive heating of the paper and spreading or "killing" of the wax at the seam, whereby the heat from the steam jet passing through the upper overlapping ply will soften the wax between the plies, and finally pressing the overlapping plies together with unheated pressing means while the seam is cooling.

2,453,890

PROCESS FOR THE OXIDATION OF CYCLIC ETHERS

John George Mackay Bremner and David Gwyn Jones, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 13, 1947, Serial No. 728,386. In Great Britain February 26, 1946
10 Claims. (Cl. 260—344)

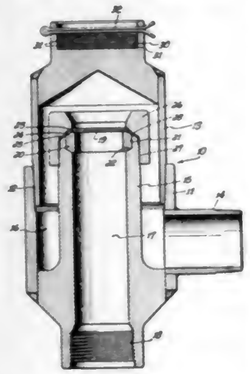
1. A process for the production of aliphatic lactones comprising oxidizing a cyclic ether of the group consisting of tetrahydrofuran, tetrahydropyran and 2,5-dihydrofuran in the liquid phase at a temperature of 70–200° C. by means of an oxygen-containing gas.

2,453,891

PRESSURE RELEASE

Clarence E. Burt, Pasadena, Calif., assignor to Grant Oil Tool Company, Los Angeles, Calif., a corporation of California

Application January 8, 1945, Serial No. 571,931
6 Claims. (Cl. 220—89)



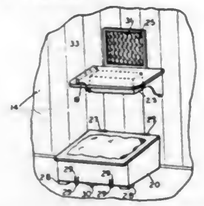
1. A pressure release device comprising a body having inlet and outlet openings, a disc within the body and normally closing communication between said openings, an annular seat against which the disc is pressed by fluid pressure communicated from said inlet opening, said seat having an inner end removably contained within a recess in the body and having an outer end surface against which the disc seats and extends radially outward and angularly in the direction of pressure application against the disc to engagement with a body surface surrounding the end of said recess, and means tightly clamping the annular portion of the disc beyond said seat against said body surface.

2,453,892

ECCLESIASTICAL EQUIPMENT

Nicholas V. Casson, Bronx, N. Y.

Original application April 11, 1944, Serial No. 530,508. Divided and this application August 29, 1945, Serial No. 613,278
2 Claims. (Cl. 240—2)



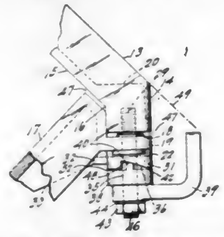
1. In a confessional, the combination of a priest's cubicle, a pair of penitents' cubicles each directly adjoining a different wall of the priest's cubicle, a closable opening between each penitent's cubicle and the priest's cubicle, a closure for each such opening under the control of the priest, means for illuminating the interior of each penitent's cubicle, and means controlled by said closure for automatically ceasing the illumination of a penitent's cubicle's interior on initiation of movement of the closure for the opening into that cubicle.

2,453,893

MOLDER'S FLASK

Angelo B. Castagnola, Oakland, Calif.

Application March 27, 1946, Serial No. 657,594
2 Claims. (Cl. 22—107)



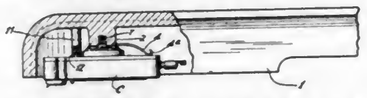
2. A molder's flask or the like comprising a rectangular frame made of two parts separable at diagonally opposed corners, each of said corners comprising opposed plane surfaces parallel to the plane of one side of the rectangle and opposed plane surfaces parallel to the direction of separating movement and contiguous with the first plane surfaces and diagonally related to the first plane surfaces.

2,453,894

MEANS FOR MOUNTING STYLUS CARTRIDGE

Creed M. Chorpening, Conneaut, Ohio, assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio

Application January 29, 1946, Serial No. 644,082
5 Claims. (Cl. 274—24)



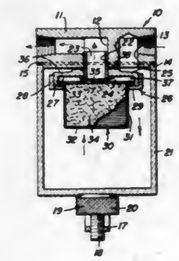
1. In combination, a phonograph arm having a boss, a female socket member attached to said boss, a stylus cartridge having a companion male member in removable snap engagement with said female socket member, and a leaf spring anchored at its one end between said boss and female socket member and having its other end in engagement with said cartridge so as to take up any slack in said engagement.

2,453,895

FILTER FOR SEDIMENT TRAPS

Richard F. Corwin, East Hampton, N. Y., assignor to R. A. Corwin & Son, East Hampton, N. Y.

Application October 20, 1947, Serial No. 780,959
2 Claims. (Cl. 210—165)



1. A filter for a sediment trap comprising an externally screw threaded head having an axial discharge opening, a bushing extending through the discharge opening for removably supporting the head in concentric relation to and in communication with the discharge passage of a sediment trap, an externally knurled internally threaded retaining ring removably threaded on the head, an inturned annular supporting flange on the ring, a filter unit adapted to cover the discharge opening in the head and an outwardly extending annular flange on the filter unit for cooperation with the inturned supporting flange on the ring in holding the filter unit in proper position on the head.

2,453,896

TREATMENT OF TITANIUM

Reginald S. Dean, Salt Lake City, Utah, assignor to Chicago Development Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 26, 1942, Serial No. 448,622
2 Claims. (Cl. 148—13.1)

1. The process of producing a hard, tough and adherent coating on objects consisting at least mainly of titanium which comprises subjecting said objects to the action of a molten alkali metal cyanide.

2,453,897

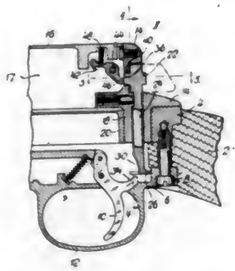
SAFETY FOR SELF-LOADING FIREARMS

Hans Erik Eklund, Malmo, Sweden, assignor to Aktiebolaget Ljungman Verkstäder, Malmo, Sweden, a corporation of Sweden

Application July 28, 1942, Serial No. 452,642
In Sweden June 27, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 27, 1961
3 Claims. (Cl. 42—70)

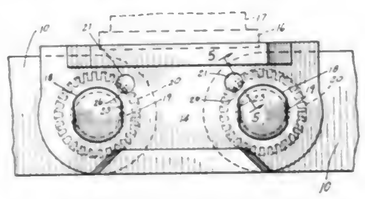
1. In a self-loading fire arm, a receiver, a bolt mechanism in said receiver, a spring pressed latch for retaining the bolt mechanism in retracted position, firing mechanism for said bolt mechanism, a rear member removably mounted in said

receiver to form a wall for the receiver back of said bolt mechanism, and a safety member rotatably mounted in the rear member; said safety member including safety means operable to block actuation of said firing mechanism upon adjustment of said safety member to one position,



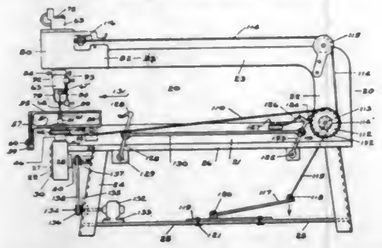
means operable upon adjustment of said safety member to render said safety means inactive and to actuate said spring pressed latch to inoperative position, and means carried by said safety member and operative in both of said adjustments of the safety member to lock said rear member against removal from said receiver.

2,453,898
RING LOCK CUTTER CHAIN STRUCTURE
Charles J. Forbes, Terre Haute, Ind.
Application February 21, 1946, Serial No. 649,136
9 Claims. (Cl. 74—254)



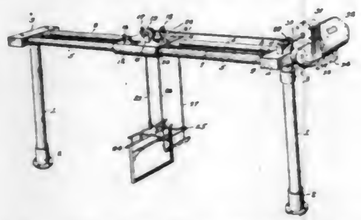
1. In a chain structure for coal cutting chains and the like having lugs and links successively and pivotally connected together, the combination with a pair of adjacent links having bores through the adjacent ends and a straddle type lug having sideplates at opposite sides of the links and lapping the adjacent ends thereof and having aligned bores for registering with the link bores, of a pin for each set of aligned bores, and independent locking means for each pin preventing axial withdrawal thereof comprising a toothed disc seatable in a counterbore coaxial with the aligned bores and in one of the confronting faces of the link end and one of the lug side plates, the latter having therethrough a radially offset opening for exposing a disc tooth, the disc having a pin receivable opening therein and an inwardly directed locking portion, the pin having a locking portion receivable arcuate groove in its periphery and coplanar with the counterbore when the pin is properly seated, the disc being normally concealed in the counterbore and exposed only at the plate hole for disc rotation to effect axial displacement locking of the pin, the tooth then exposed by the hole being bendable angularly of the plane of the disc to effect locking of the disc against casual rotation.

2,453,899
SWIVELING RECIPROCATING-SAW SAWING MACHINE
Charles Gaines, Vallejo, Calif.
Application August 16, 1946, Serial No. 691,136
1 Claim. (Cl. 143—73)



A sawing machine of the character described comprising a main frame, an upper head member revolvably mounted thereon, a lower head member fixed to the frame and positioned beneath the said upper head member, a piston rod vertically positioned in the said upper head member, a jig saw blade holder secured to the lower extremity thereof, a shaft slidably mounted in the lower head member and positioned in vertical alignment with the said piston rod, a jig saw blade holder secured to the upper extremity of the said shaft, a jig saw blade secured to the said blade holders, a resilient means for retaining the said saw blade in a taut position, a drum-wheel fixed to the upper head member, a second drum-wheel fixed to the said shaft in the lower head member, a pair of clock springs, one of which is mounted on each of the said drum-wheels and adapted to exert a winding tension against the same, a third drum-wheel pivotally secured to the said main frame, a flexible cord wound on the first mentioned drum-wheel and connecting the same to the said third mentioned drum-wheel, a second flexible cord wound on the said second drum-wheel and connecting the same to the said third drum-wheel and a foot pedal and a cord connecting the same to the said third drum-wheel for enabling the said third drum-wheel to be manually operated for unwinding the said cords from the said first and second mentioned drum-wheels, whereby the jig saw blade is adjusted to vary the cutting angle thereof while the machine is in operation.

2,453,900
FILM DEVELOPING APPARATUS
William R. Gardiner and John T. Mays, Herrin, Ill.
Application March 18, 1946, Serial No. 655,219
6 Claims. (Cl. 95—89)



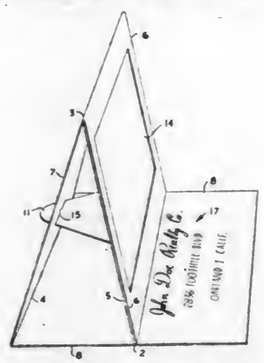
1. A film developing apparatus for use with a plurality of developing solutions comprising opposed end frames, guide rods extending therebetween, a carriage slidable on the guide rods, a trip rod having its ends slidably mounted in the end frames, means tending to retain the trip rod in normal position, a trip lever on the carriage engageable with the trip rod, whereby to move the trip rod out of normal position, a circuit-breaking means carried by the trip rod adapted to open an electric circuit when the trip rod is moved out of normal position, a sheave on the carriage, a cable passing over the sheave, a film carrier on one end of the cable and below the carriage, a winding reel on one of the end frames connected to the other end of the cable, a stop on the cable engageable with the trip lever for disengagement thereof from the trip rod when the carrier is lowered, electrically controlled power means for rotating the reel, and timing switches on one of the end frames, said timing switches, circuit-breaking means, and power means being connected in circuit.

2,453,901
COMPOUND WRENCH AND SCREW DRIVER
Robert R. Gonsett and Faust Robert Gonsett, Los Angeles, Calif.
Application December 23, 1944, Serial No. 569,604
3 Claims. (Cl. 81—185)



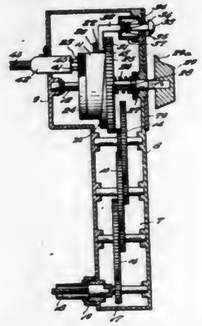
1. A tool of the character referred to comprising a tubular body provided with wrench with socket-wrench ends, an intermediate portion of said body being flattened to form oppositely disposed flat spaced walls that are wider than said socket-wrench ends, each of said walls being provided with a longitudinal slot, smaller wrench sockets fitting within said socket-wrench ends and slidable relatively thereto, and means connecting said smaller wrench sockets, said means comprising a bar having an intermediate integral loop offset from the plane of the bar and comprising a projection extended through one of said slots for operation by the thumb or other member.

2,453,902
ADVERTISING FOLDER WITH PICTURE FRAME AND EASEL
Thomas A. Graham, San Leandro, Calif.
Application August 8, 1947, Serial No. 767,486
5 Claims. (Cl. 40—152.1)



1. An advertising folder comprising a rectangular sheet of cardboard divided by three transverse scored fold lines into successive first, second, third and fourth substantially identical panels, and an easel tab hinged to said first panel with its free end extending longitudinally thereof toward the outer end of said first panel; said second panel being formed with a rectangular window and arranged to frame a pictorial illustration; said third panel being formed adjacent the said fourth panel with a transverse slot arranged to receive the free end of said tab so as to hold said panels in triangular formation with said fourth panel serving as a base therefor, and with said first panel folded over said second panel, with its outer edge accommodated within the apex formed by said second and third panels.

2,453,903
THEFT ALARM SYSTEM FOR AUTOMOBILES
Alfred R. Gray, Bronx, N. Y.
Application August 23, 1945, Serial No. 612,152
4 Claims. (Cl. 177—314)



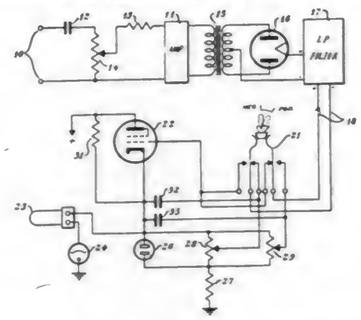
1. In a theft alarm system for automobiles in combination, an alarm circuit containing alarm signals and alarm contacts, an axially displaceable and rotatable member, means for driving said member slowly during actual travel of the automobile, including a drive gear mechanism in operative engagement with said member, a contact member carried by said slowly rotatable member, automatic means for axially displacing the said slowly driven rotatable member after a predetermined angle of rotation, thereby moving the contact member into operative engagement with the alarm contacts in the alarm circuit and moving the said member out of engagement with the driving gear, and further means for adjusting said predetermined angle during which the said member is rotated without axial displacement.

2,453,904
ELECTROLYTIC PREPARATION OF CORROSION TESTING ELEMENTS
Leo D. Grenot, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 5, 1944, Serial No. 529,874
4 Claims. (Cl. 204—53)

1. In a method of preparing a corrosion testing element of the class described, electroplating a test metal on a metal carrier having linear scorings at predetermined intervals to form a thin stepped-wedge plating of test metal thereon by immersing said carrier by predetermined increments corresponding to said linear scorings to bring said scorings successively substantially to the level of the plating bath and electrically

depositing test metal on the immersed portion of said carrier in a predetermined amount after each successive immersion, thereby forming a test metal step-wedge on said carrier, the steps of said wedge coinciding with said scorings.

2,453,905
FACSIMILE RECORDER CONTROL CIRCUIT
Boris F. Grib, Brooklyn, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York
Application March 15, 1946, Serial No. 654,559
6 Claims. (Cl. 178—6.7)



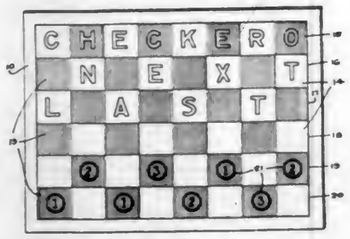
1. A facsimile recorder comprising means for rectifying an amplitude-modulated carrier, a space-discharge device provided with an anode, a cathode and a control electrode, a voltage regulator tube connected in the cathode-anode circuit of said space-discharge device, said voltage regulator tube being of the type having substantially constant voltage drop across the terminals thereof, a connection from the negative terminal of the rectifying means to the control electrode of said space-discharge device, a connection from the positive terminal of said rectifying means to said voltage regulator tube whereby the rectified carrier signals are inverted in the space-discharge device and a recording device in circuit with said space-discharge device.

2,453,906
DEVICE FOR PRESERVING OBJECTS REQUIRING LIQUID SUPPLY
Darrel Patton Hamlet, Melrose Park, Ill., assignor to Clarence Bussert, Melrose Park, Ill.
Application September 22, 1945, Serial No. 618,049
4 Claims. (Cl. 47—38)



1. A device of the character described comprising, a tubular container made of waterproof material, a stopper secured to one end of said tubular container and provided with a bore adapted to receive the stem of a plant, a stopper secured to the other end and provided with a bore to admit air under atmospheric pressure into the said tubular container, and an elastic diaphragm having a skirt portion confined by the said last-mentioned stopper between the peripheral surface of the said stopper and the inner walls of the said tubular container.

2,453,907
GAME
Willis Gaston Hare and Chester B. Roebuck, Jr., Philadelphia, Pa., assignors of one-third to Walter A. Gay, Jr., Philadelphia, Pa.
Application January 16, 1945, Serial No. 573,023
1 Claim. (Cl. 273—134)

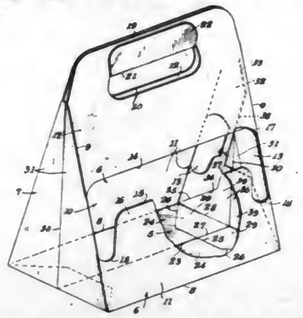


In a competitive game of the character described adapted to be played by two or more players, a plurality of playing boards corresponding in number to the number of players participating in the game, all of said boards being identically divided into a plurality of playing squares alternating with non-playing squares, the playing squares of any one board being of a color distinctively different from those of the other boards, a plurality of movable pieces adapted for play upon each board, said movable pieces being always equal in number during the entire play of the game and being individually marked with indicia dividing them into groups and a deck of cards divided into sets each consisting of a plurality of identical cards, the number of said sets of identical cards being equal to the number of boards in play multiplied by the number of differently board, said sets of identical cards being arranged marked groups of playing pieces movable on each in groups which distinguish from one another by indicia corresponding to those of the differently marked groups of playing pieces and by color corresponding to those of the differently colored playing squares, said cards being thereby adapted to simultaneously select the board upon which a playing piece is to be moved and the particular group of playing pieces, one of which is to be moved on said selected board.

2,453,908
BOTTLE CARRIER
John Harhay, Los Angeles, Calif., assignor to Los Angeles Paper Box Factory, Los Angeles, Calif., a corporation of California
Application April 27, 1946, Serial No. 665,490
4 Claims. (Cl. 229—52)

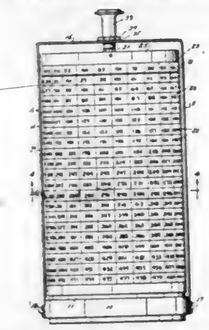
4. An article-carrying carton comprising sides that slope continuously toward each other from the bottom to the top of the carton, each side having a transverse opening to receive articles, each side along the end edges thereof having integral end portions and the end portions on each end of the carton cooperating to form triangular end walls, a central longitudinal score line in each end wall whereby the same is adapted to fold inwardly along the mentioned end edges of the sides, an outwardly foldable bottom integrally connecting the sides and formed at each end with an extension residing within and affixed to

each respective end wall, said bottom having a longitudinal score line on which the same folds, a transverse slit adjacent each end at which the ends of the latter score line terminate, and an angularly directed score line extending from



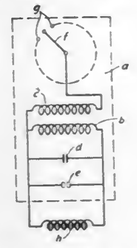
each end of each transverse slit to each respective adjacent corner of the bottom, said slits and angularly directed score lines defining trapezoidal portions that form parts of the bottom when the carton is opened to carry articles and fold inward with the end walls.

2,453,909
TAX COMPUTING DEVICE
Michael J. Harwood, Cleveland, Ohio
Application June 18, 1947, Serial No. 755,423
3 Claims. (Cl. 235—87)



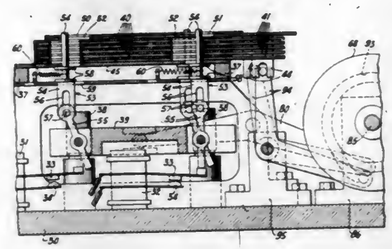
2. A tax computing device of the character described, comprising a cylindrical base having an upper portion of a diameter less than the diameter of the lower portion thereof, a pair of bars secured to the lower portion of said base and extending upwardly therefrom, a transverse bar connecting the upper ends of the first named bars, a transparent drum, a closure plate for the upper end of the drum and to which the drum is secured, means carried by said closure plate and extending through suitable opening in said transverse bar to suspend the drum for rotation from said bar, the inner diameter of said drum being greater than the reduced diameter of the upper portion of the base but less than the diameter of the major portion of the base and said drum being of a length to project downwardly around the reduced portion of the base whereby the drum will be guided for rotation relative thereto, said drum being comprised of a transparent member and provided with horizontal and vertical columns of opaque indicating indicia, a vertically extending transparent index strip carried by one of said brackets and provided with a vertically extending row of opaque indicating indicia, the indicia on said strip aligning with the horizontal rows of indicia on said drum.

2,453,910
IGNITION MAGNETO
Henry Thomas Heal, London, England, assignor to Rotax Limited, London, England
Application January 4, 1945, Serial No. 571,337
In Great Britain December 1, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 1, 1963
9 Claims. (Cl. 315—223)



1. In a sparking apparatus of the type having a coil comprising primary and secondary windings and a make and break device connected across said primary winding, the improvement that comprises means for limiting the duration of the sparks under atmospheric conditions of relatively low pressure comprising an inductive winding and a non-inductive resistance in series, and means operable by changes in atmospheric pressure to connect the said series in parallel with the make and break device when the atmospheric pressure decreases, and to break the connection when the atmospheric pressure increases.

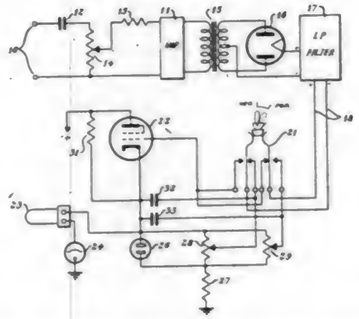
2,453,911
SELECTOR MECHANISM
Donald L. Herr, Milwaukee, Wis., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Original application September 17, 1947, Serial No. 774,613. Divided and this application May 25, 1948, Serial No. 28,975
8 Claims. (Cl. 177—353)



1. In a selector mechanism, a plurality of switch contacts to be operated, a group of selectable control elements stacked in a normally inoperative position and each individual to certain of said switch contacts, means to adjust one of said control elements in said stack to an operative position, a plurality of transfer elements normally having inoperative positions relative to said switch contacts and certain of which are movable to operative positions by the adjustment of said

depositing test metal on the immersed portion of said carrier in a predetermined amount after each successive immersion, thereby forming a test metal step-wedge on said carrier, the steps of said wedge coinciding with said scorings.

2,453,905
FACSIMILE RECORDER CONTROL CIRCUIT
Boris F. Grib, Brooklyn, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York
Application March 15, 1946, Serial No. 654,559
6 Claims. (Cl. 178—6.7)



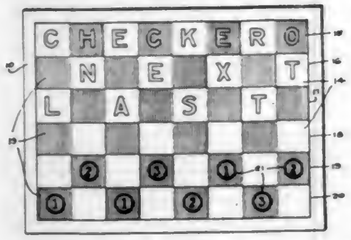
1. A facsimile recorder comprising means for rectifying an amplitude-modulated carrier, a space-discharge device provided with an anode, a cathode and a control electrode, a voltage regulator tube connected in the cathode-anode circuit of said space-discharge device, said voltage regulator tube being of the type having substantially constant voltage drop across the terminals thereof, a connection from the negative terminal of the rectifying means to the control electrode of said space-discharge device, a connection from the positive terminal of said rectifying means to said voltage regulator tube whereby the rectified carrier signals are inverted in the space-discharge device and a recording device in circuit with said space-discharge device.

2,453,906
DEVICE FOR PRESERVING OBJECTS REQUIRING LIQUID SUPPLY
Darrel Patton Hamlet, Melrose Park, Ill., assignor to Clarence Bussert, Melrose Park, Ill.
Application September 22, 1945, Serial No. 618,049
4 Claims. (Cl. 47—38)



1. A device of the character described comprising, a tubular container made of waterproof material, a stopper secured to one end of said tubular container and provided with a bore adapted to receive the stem of a plant, a stopper secured to the other end and provided with a bore to admit air under atmospheric pressure into the said tubular container, and an elastic diaphragm having a skirt portion confined by the said last-mentioned stopper between the peripheral surface of the said stopper and the inner walls of the said tubular container.

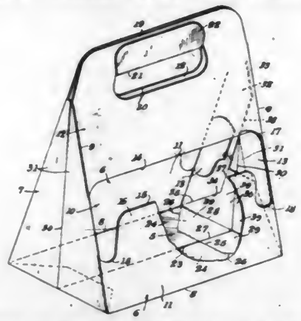
2,453,907
GAME
Willis Gaston Hare and Chester B. Roebuck, Jr., Philadelphia, Pa., assignors of one-third to Walter A. Gay, Jr., Philadelphia, Pa.
Application January 16, 1945, Serial No. 573,023
1 Claim. (Cl. 273—134)



In a competitive game of the character described adapted to be played by two or more players, a plurality of playing boards corresponding in number to the number of players participating in the game, all of said boards being identically divided into a plurality of playing squares alternating with non-playing squares, the playing squares of any one board being of a color distinctively different from those of the other boards, a plurality of movable pieces adapted for play upon each board, said movable pieces being always equal in number during the entire play of the game and being individually marked with indicia dividing them into groups and a deck of cards divided into sets each consisting of a plurality of identical cards, the number of said sets of identical cards being equal to the number of boards in play multiplied by the number of differently board, said sets of identical cards being arranged marked groups of playing pieces movable on each in groups which distinguish from one another by indicia corresponding to those of the differently marked groups of playing pieces and by color corresponding to those of the differently colored playing squares, said cards being thereby adapted to simultaneously select the board upon which a playing piece is to be moved and the particular group of playing pieces, one of which is to be moved on said selected board.

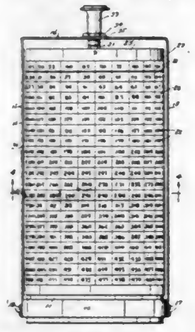
2,453,908
BOTTLE CARRIER
John Harhay, Los Angeles, Calif., assignor to Los Angeles Paper Box Factory, Los Angeles, Calif., a corporation of California
Application April 27, 1946, Serial No. 665,490
4 Claims. (Cl. 229—52)

4. An article-carrying carton comprising sides that slope continuously toward each other from the bottom to the top of the carton, each side having a transverse opening to receive articles, each side along the end edges thereof having integral end portions and the end portions on each end of the carton cooperating to form triangular end walls, a central longitudinal score line in each end wall whereby the same is adapted to fold inwardly along the mentioned end edges of the sides, an outwardly foldable bottom integrally connecting the sides and formed at each end with an extension residing within and affixed to each respective end wall, said bottom having a longitudinal score line on which the same folds, a transverse slit adjacent each end at which the ends of the latter score line terminate, and an angularly directed score line extending from



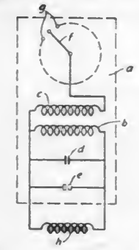
each end of each transverse slit to each respective adjacent corner of the bottom, said slits and angularly directed score lines defining trapezoidal portions that form parts of the bottom when the carton is opened to carry articles and fold inward with the end walls.

2,453,909
TAX COMPUTING DEVICE
Michael J. Harwood, Cleveland, Ohio
Application June 18, 1947, Serial No. 755,423
3 Claims. (Cl. 235—87)



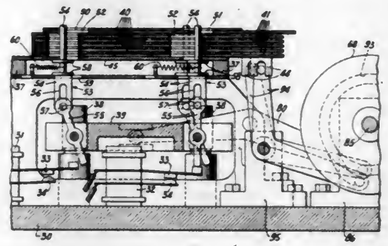
2. A tax computing device of the character described, comprising a cylindrical base having an upper portion of a diameter less than the diameter of the lower portion thereof, a pair of bars secured to the lower portion of said base and extending upwardly therefrom, a transverse bar connecting the upper ends of the first named bars, a transparent drum, a closure plate for the upper end of the drum and to which the drum is secured, means carried by said closure plate and extending through suitable opening in said transverse bar to suspend the drum for rotation from said bar, the inner diameter of said drum being greater than the reduced diameter of the upper portion of the base but less than the diameter of the major portion of the base and said drum being of a length to project downwardly around the reduced portion of the base whereby the drum will be guided for rotation relative thereto, said drum being comprised of a transparent member and provided with horizontal and vertical columns of opaque indicating indicia, a vertically extending transparent index strip carried by one of said brackets and provided with a vertically extending row of opaque indicating indicia, the indicia on said strip aligning with the horizontal rows of indicia on said drum.

2,453,910
IGNITION MAGNETO
Henry Thomas Heal, London, England, assignor to Rotax Limited, London, England
Application January 4, 1945, Serial No. 571,337
In Great Britain December 1, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 1, 1963
9 Claims. (Cl. 315—223)



1. In a sparking apparatus of the type having a coil comprising primary and secondary windings and a make and break device connected across said primary winding, the improvement that comprises means for limiting the duration of the sparks under atmospheric conditions of relatively low pressure comprising an inductive winding and a non-inductive resistance in series, and means operable by changes in atmospheric pressure to connect the said series in parallel with the make and break device when the atmospheric pressure decreases, and to break the connection when the atmospheric pressure increases.

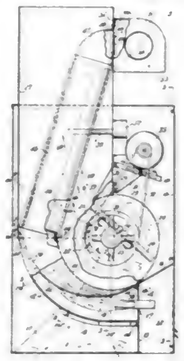
2,453,911
SELECTOR MECHANISM
Donald L. Herr, Milwaukee, Wis., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Original application September 17, 1947, Serial No. 774,613. Divided and this application May 25, 1948, Serial No. 28,975
8 Claims. (Cl. 177—353)



1. In a selector mechanism, a plurality of switch contacts to be operated, a group of selectable control elements stacked in a normally inoperative position and each individual to certain of said switch contacts, means to adjust one of said control elements in said stack to an operative position, a plurality of transfer elements normally having inoperative positions relative to said switch contacts and certain of which are movable to operative positions by the adjustment of said

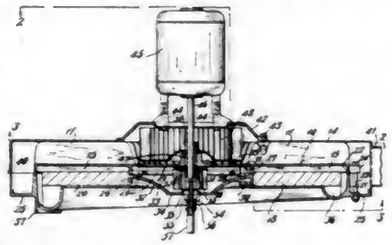
control element, and means operable subsequent to said adjustment to actuate the operated transfer elements to operate certain of said switch contacts.

2,453,912
VOLUTE TYPE AIR-HEATING FURNACE AND BLOWER
Frank R. Higley, Cleveland Heights, Ohio, assignor to Bryant Heater Company, a corporation of Ohio
Application March 20, 1943, Serial No. 479,892
5 Claims. (Cl. 126—110)



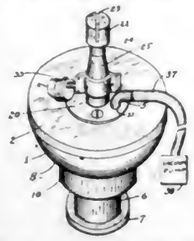
4. In a furnace of the class described, blower means for fluid to be heated, having a heat exchanger wall portion, said blower means including an impeller wheel and a casing therefor having a volute wall extending between parallel side walls to confine and direct discharge from said wheel into a stream having a path of flow leading partially about and thence away from said wheel, means for heating a segmental portion of said volute wall, said heated wall portion having a greater rate of spiral recession than the remainder of said volute wall, to compensate for thermal expansion of said stream within the corresponding portion of said casing.

2,453,913
RADIAL FLOW FORCED-AIR HEATER
Frank R. Higley, Cleveland, Ohio, assignor to Bryant Heater Company, a corporation of Ohio
Application August 28, 1943, Serial No. 500,387
6 Claims. (Cl. 126—110)



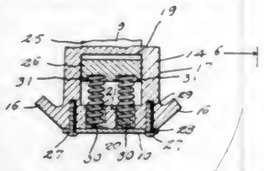
1. In a heater, a heat exchange partition, a centrifugal wheel for moving air divergently over one surface of said partition, means coaxial with said wheel for moving products of combustion divergently over the opposite surface of said partition, said partition having opposed fins on the two surfaces thereof, said fins being disposed in the direction of discharge from the wheel.

2,453,914
DEVICE FOR MIXING PLASTER COMPOUNDS AND MIXTURES
George M. Hollenback, Los Angeles, Calif.
Application April 10, 1944, Serial No. 530,298
2 Claims. (Cl. 259—8)



1. A device of the character described including a mixing bowl having a discharge opening and in which a relatively stiff plastic mix is placed, a cover to seal said bowl, a rotatable paddle in the bowl conforming to the interior of the same, means to smooth the mix in ribbon streams during agitation caused by rotation of the paddle, means to maintain the sealed bowl under sub-atmospheric pressure, a flask in sealing engagement with the bowl and aligned with the discharge opening, and separate means to vibrate the bowl to discharge the mixed material therefrom into the flask while the bowl is still under sub-atmospheric pressure.

2,453,915
MODEL RAILWAY VEHICLE TRUCK
Herman R. Howard, Pomona, Calif.
Application August 25, 1947, Serial No. 770,455
2 Claims. (Cl. 105—197)

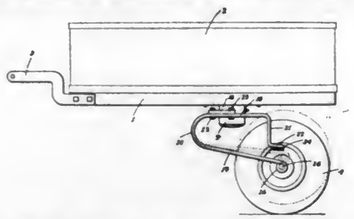


1. In a truck for model railway rolling stock, a pair of corresponding side members detachably connected by a tie bar, the ends of said side members being provided with journal boxes adapted to journal a pair of axles in the transversely aligned journal boxes, a bolster disposed between said side members and having end portions disposed for vertical sliding movement therein, and springs for yieldably supporting the ends of the bolster in the side members and extending downwardly through openings in the bottom portions of the side members, the ends of the tie bar being detachably fastened to said bottom portions of the side members to provide supports for the lower ends of the springs.

2,453,916
CASTER MOUNT FOR SINGLE-WHEEL TRAILERS
Oliver W. Inskeep, Stockton, Calif., assignor to Harris Manufacturing Company, Stockton, Calif., a corporation of California
Application March 11, 1946, Serial No. 653,612
9 Claims. (Cl. 16—44)

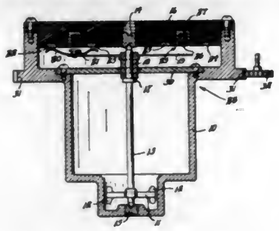
1. A caster mount for a vehicle supporting wheel, comprising a depending support adapted

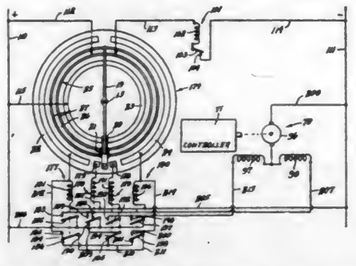
to be secured to a vehicle, a normally longitudinal spring including a top leaf and a vertically spaced bottom leaf connected together at their normally forward ends, means attaching the top leaf to the support, and a wheel journaled in connection with the bottom leaf in normally rear-



wardly offset relation to the vertical axis of the support; the top leaf including a downturned leg at its normally rear end, a foot on the leg, and a shock absorbing pad on the bottom of the foot in adjacent but normally spaced relation above the bottom leaf.

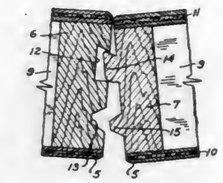
2,453,917
ELECTRIC MOTOR CONTROL APPARATUS
Siegfried G. Isserstedt, Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 26, 1943, Serial No. 480,672
16 Claims. (Cl. 318—28)





1. Electrical control apparatus, comprising in combination, relatively stationary and movable contact means, condition responsive means for moving said movable contact means through a path parallel to and spaced from said stationary contact means, time-controlled means for periodically causing engagement of said contact means, an electrical control device, means responsive to engagement of said contact means to initiate energization of said control device, and means effective to maintain energization of said control device after initiation thereof for a period longer than the time of engagement of said contacts while said condition responsive means is free to move said movable contact means.

2,453,918
JOINT FOR COMPOSITE STRUCTURAL ELEMENTS
Joseph P. Jansen, Milwaukee, Wis.
Application March 15, 1945, Serial No. 582,923
2 Claims. (Cl. 20—92)



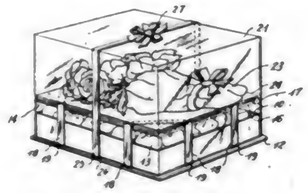
1. A joint for uniting complementary elongated sections of a structural element, said joint comprising, two parallel projections formed integral with and extending outwardly away from a plane side face of one section of said element and snugly coacting with parallel recesses extending inwardly away from an adjacent plane side face of the complementary section of the element, said coacting projections and recesses being disposed entirely within and spaced inwardly away from the longitudinal bounding edges of said side faces and one set of said coacting projections and recesses having uniform approximately half-dovetailed transverse cross-section converging away from the plane of said faces while the other set of said coacting projections and recesses has uniform wedge-shaped transverse cross-section diverging away from said plane, and said element sections being laterally unitable only by swinging the complementary side faces thereof toward each other about their longitudinal bounding edges nearest said half-dovetailed set to cause the half-dovetailed projection to swing into its receiving recess before the wedge-shaped projection is brought into engagement with its receiving recess.

2,453,919
GARMENT HANGER SUPPORT
John P. Johnson and Leonard C. Teague, Dallas, Tex.
Application June 27, 1946, Serial No. 679,711
5 Claims. (Cl. 211—96)



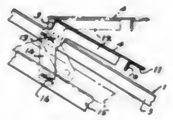
1. In a device of the character described, a supporting member including a bracket, a plurality of hinges relatively offset horizontally and operatively supporting an inner and an outer complementary section each of which are longitudinally displaceable in opposite directions, said complementary sections comprising an arm displaceable in substantially the same horizontal plane as that of its normal position within a closet, said complementary sections having individual flanges at their uppermost part in which are evenly spaced recesses opposingly offset in relation to each other in normal position, said complementary sections being retained in adjacent parallel position by means of bolts inserted in elongated slots correspondingly positioned therein.

2,453,920
FLOWER AND CANDY DISPLAY PACKAGE
Rudolph Kysela, Los Angeles, Calif.
Application August 27, 1945, Serial No. 612,737
1 Claim. (Cl. 206—45.34)



A combination candy and corsage package comprising, in combination, a tray-type container having an external flange at the base thereof, a first transparent cover resting upon the flange and having the top thereof in spaced relation to the top edge of the container, a second transparent cover telescopically receivable over the first cover and likewise resting upon the flange and having the top thereof in spaced relation to the top of the first cover and forming a compartment thereabove, candy in the container and a corsage in the compartment between said covers.

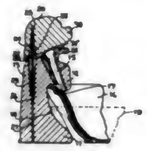
2,453,921
AWNING
Mynard R. Lorenz and Clarence A. Brahm, Pittsburgh, Pa.
Application January 15, 1946, Serial No. 641,191
1 Claim. (Cl. 20—57.5)



In a metal awning construction of the class described, an elongated sheet metal louver panel, a reenforcing flange formed integral with the rear edge of said panel and depending at right angles from the latter, a reenforcing front portion formed integral with the front edge of said panel and being inturned flatly against the under face of the front portion of said panel, and a reenforcing flange formed integral with the rear edge of said inturned front portion and being disposed adjacent to but spaced from the front edge of said panel, said last-mentioned flange depending at right angles to said panel and being formed by folding flatly together the rear portion of said inturned front portion to provide a flange structure of double material thickness.

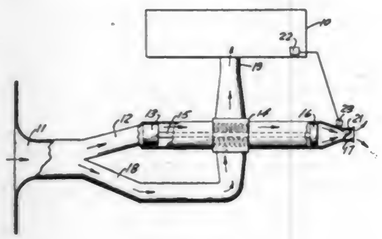
2,453,922
CHILD'S COMBINATION APPETITE-STIMULATING AND AMUSEMENT DEVICE
Ben B. Manaster, Chicago, Ill.
Application July 2, 1948, Serial No. 36,773
4 Claims. (Cl. 46—141)

1. A child's combination appetite-stimulating and amusement device comprising a body having an undercut portion formed therein for the reception of the edge portion of a dish and having a channel therein inclined downwardly and forwardly toward the dish for communication with said dish, said body having a protruding jaw portion providing a rest for the end of a spoon delivering material to said channel, a head for said body and arranged over said channel and having a jaw portion in spaced confronting relation with



respect to the jaw portion of said body and adapted to be engaged by the end of said spoon and tilted relative to said body by said spoon, and means connecting the head to the body for oscillatory movement with respect to the body when said spoon is moved from engagement with respect to said head.

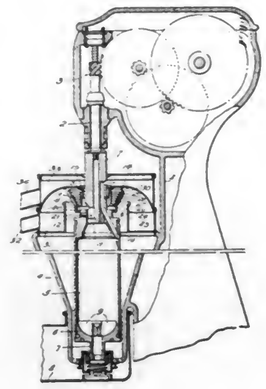
2,453,923
AIRCRAFT COOLING BY AIR TURBINE MEANS
Alfred M. Mayo, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application August 20, 1946, Serial No. 691,678
18 Claims. (Cl. 62—136)



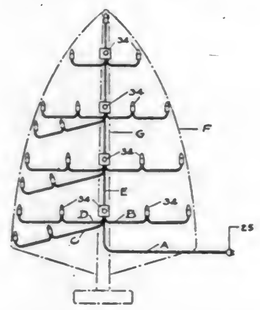
1. A system for cooling the air within an aircraft compartment, comprising: a ram inlet; means for converting energy of said ram air into mechanical energy; heat exchanging means receiving the air cooled by said last named means; a compressor for increasing the flow of air into said inlet; means for transmitting said mechanical energy to said compressor to drive the same; and duct means leading from the atmosphere through said heat exchanging means to said compartment.

2,453,924
CREAM SEPARATOR AND HOMOGENIZER
James B. McFadden, West Chester, Pa., assignor to United Dairy Equipment Company, West Chester, Pa., a corporation of Pennsylvania
Application October 17, 1944, Serial No. 559,047
5 Claims. (Cl. 233—28)

1. A cream separator and homogenizer comprising means for separating the cream from whole milk and means for receiving the cream stream, dividing said stream into small continuous streams and means for impacting the same in succession against vertical surfaces on overlapping rotating blades until the cream is thoroughly homogenized.

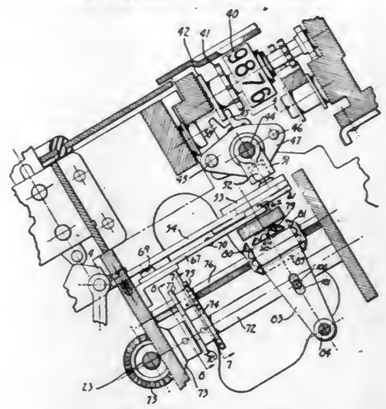


2,453,925
ELECTRIC LIGHTING SET
Edward E. Mendonca, Hayward, Calif.
Application March 4, 1946, Serial No. 651,675
1 Claim. (Cl. 240—10)



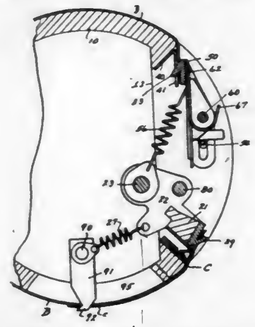
An electric lighting set of the character described for use in decorating a Christmas tree and including a terminal box molded from electric insulation material and embodying in its construction two substantially flat members, one of the said members being equipped with an electric lamp base capable of retaining an electric lamp, a plurality of pins capable of securing said members together, a cavity between said members, a pair of bus bars positioned into said cavity, means electrically connecting the bus bars to the said lamp base, a plurality of electric conductors soldered onto said bus bars and extending therefrom and forming electric lamp circuits therewith, a plurality of electric lamp bases connected in multiple relation in each of said circuits, said cavity being filled with electric sealing wax for sealing the terminal box and insulating said bus bars and electric conductors therein, and a plurality of apertured lugs fixed to the terminal box for facilitating the securing of the terminal box to the Christmas tree.

2,453,926
REVOLUTION COUNTER ACTUATOR
John L. Moody, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application April 21, 1945, Serial No. 589,628
4 Claims. (Cl. 235—103)



1. In a revolutions counter having a series of numeral wheels, actuating means therefor mounted on a shaft, a mechanism for operating said actuating means by oscillating and reciprocating said shaft comprising a cam, a follower for said cam, a ball secured to said follower and having movement along a substantially rectangular path during each revolution of said cam, a socket secured to said shaft, said ball and socket serving as a motion-transmitting connection between said follower and said shaft, and means to revolve said cam.

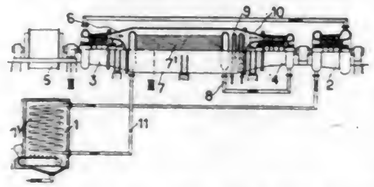
2,453,927
CLAMP FOR MASTER SHEETS OF PRINTING MACHINES
Lawrence H. Morse, Mentor, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application October 2, 1943, Serial No. 504,656
10 Claims. (Cl. 101—415.1)



1. The combination of a rotary drum having a ledge to form an anvil for a sheet, a pivoted clamping member mounted in the drum having an edge adapted to coact with the ledge to clamp a sheet between them, a sleeve threaded in the clamping member, a slidable rod mounted in the sleeve adapted to coact with the drum, and a

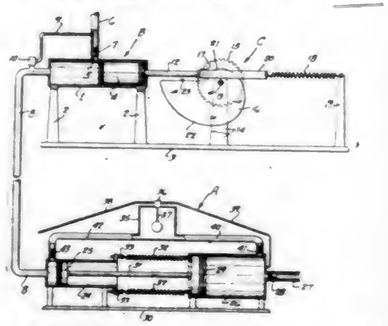
camming arm carried by the sleeve and adapted to coact with the rod to force the clamping member into idle position with reference to a clamping ledge on the drum.

2,453,928
THERMAL POWER PLANT
Konrad Oechslin, Zurich, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application June 5, 1946, Serial No. 674,450
In Switzerland June 22, 1945
8 Claims. (Cl. 60—59)



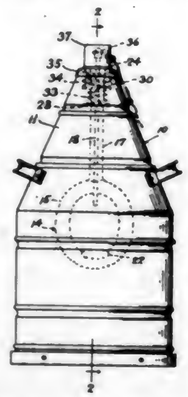
1. Thermal power plant, in which a gaseous working medium describes a circuit, said plant comprising means by which heat from an external source is supplied to the working medium; at least two turbines connected in series and in which medium heated by said means expands; means whereby one of said turbines delivers power externally; a turbo-compressor arranged to be driven by the other of said turbines and interposed in said circuit so as to compress medium expanded in said turbines, and deliver it at higher pressure to said heat supplying means; and a heat exchanger constructed for longitudinal parallel heat-exchanging flows in which medium after expansion through said turbines exchanges heat with medium flowing to said heat supplying means after compression by said turbo-compressor, the discharge end of the second one of said series connected turbines being mounted directly on an end of said exchanger, the exchanger and said second turbine having housings which merge without substantial change of cross sectional area.

2,453,929
HYDRAULIC PUMP
Alvin F. O'Harah, Erie, Pa.
Application March 11, 1947, Serial No. 733,793
1 Claim. (Cl. 103—44)



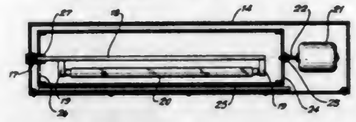
In a fluid pump, the combination of a fluid suction unit having a cylinder provided with valve controlled fluid inlet and outlet connections and a piston movable in the cylinder alternately for sucking fluid through the inlet connection and pumping the same through the outlet connection, a fluid responsive unit having a cylinder provided with a valve controlled fluid inlet connection and a piston movable in the cylinder, means operatively connecting said pistons for simultaneous movement, resilient means connected to one of said pistons for urging the piston of said suction unit to the limit of its fluid suction movement, a fluid reservoir connected between the respective fluid outlet and inlet connections of said first and second mentioned cylinders, a float controlled air admission valve in said reservoir which is operative to retain air therein such as will pressurize the reservoir fluid pumped thereinto by said suction unit, an hydraulic actuating unit connected in fluid flow relation with the cylinder of said responsive unit, said hydraulic unit being provided with a fluid delivery line, and means for actuating said hydraulic unit alternately to effect hydraulic movement of the piston in said responsive unit against said resilient means and in a direction to pump fluid into said reservoir, and to effect a rapid reversal of hydraulic actuation thereof whereby the fluid in said reservoir is suddenly released and effectively forced under reservoir pressure toward said hydraulic unit for flow through said delivery line.

2,453,930
SHIPPING CONTAINER
Richard Paul and Gerard F. Sulfrian, Newark, N. J.
Application April 1, 1946, Serial No. 658,771
2 Claims. (Cl. 220—3)



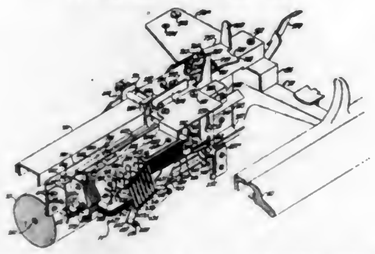
2. A shipping container for transporting gas in liquid form which includes an outer casing having a conical neck defining a closed chamber, a cup-shaped closure inserted into the reduced end of the neck, said closure having an aperture therein the axis of which aligns with the longitudinal axis of the casing, a Dewar-type flask having an elongated neck extending through the aperture in the closure, an outstanding annular flange on the neck adjacent the end remote from the flask, a compression coil spring seated on the bottom of the cup-shaped end closure and engaging the flange yieldingly to suspend the flask in spaced relation to the conical neck of the outer casing, a flange on the neck intermediate its end, a compression coil spring surrounding the neck and abutting the last named flange and the under side of the cup-shaped end closure yieldingly to hold the flask in proper place within the outer casing and a cap adapted to enter the upper open end of the cup-shaped end closure to enclose the end of the neck remote from the flask.

2,453,931
ELECTRIC VEHICLE DIRECTION INDICATOR
Clovis H. Phillips, Florence, Ala.
Application February 13, 1946, Serial No. 647,267
2 Claims. (Cl. 177—329)



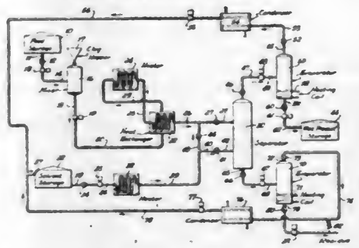
1. A direction indicator comprising an elongated horizontally disposed housing adapted to be mounted on one end of a motor driven vehicle having an electrical system, said housing having an elongated longitudinally extending window in its front side, a rod fixed at one end to one end of the housing, said rod lying along the longitudinal axis of the housing, a drum of translucent material encircling said rod and rotatably supported at one end on the rod adjacent the end of the housing to which the rod is fixed, a reversible motor in the housing adjacent its opposite end, the drive shaft of the motor aligning axially with the rod and supporting the end of the drum remote from that carried by the rod, spiral stripes of contrasting color on the drum, said stripes being visible through the window and a reversing switch coupling the motor to the electrical system of the vehicle selectively to control the direction of rotation of the drum.

2,453,932
BUSINESS MACHINE
Richard W. Pitman, Laverock-Hillcrest, Pa., assignor to Underwood Corporation, a corporation of Delaware
Original application November 21, 1941, Serial No. 419,889. Divided and this application February 3, 1944, Serial No. 520,983
15 Claims. (Cl. 235—59)



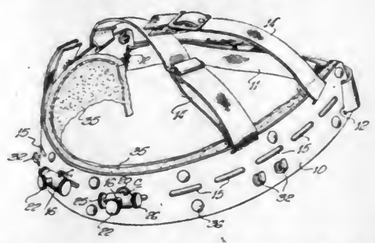
1. In a machine of the character described, the combination with means for sensing codal representations of an amount on a record sheet in said machine, said representations corresponding to either a positive amount or the complement of a true negative amount, of means, including typing instrumentalities, a complemental transposing means and a letter-feedable carriage, cooperative with said sensing means and operative, upon sensing the representation of a positive amount, to type the positive amount digit by digit and, upon sensing the representation of the complement of a true negative amount, to type the true negative amount digit by digit.

2,453,933
REFINING OF WAX
Paul L. Polizzotto and Peter Stanley Backlund, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application February 10, 1945, Serial No. 577,183
6 Claims. (Cl. 196—17)



1. A process for decolorizing a deoiled asphalt-wax mixture obtained as tank bottoms from crude oil storage and containing more than about 5% of asphaltic and resinous material, said asphalt-wax mixture having a melting point of about 196° F., which comprises heating said asphalt-wax mixture to a temperature of about 300° F. to about 350° F. in the presence of about 10% of clay, cooling said treated mixture to a temperature above its melting point but not substantially above about 275° F. and contacting it with a normally liquid solvent of the class consisting of alcohols, ketones and ethers characterized by having less than 6 carbon atoms in their molecular structure thereby forming an upper phase of wax and solvent and a lower phase of asphaltic components, removing the upper or wax-solvent phase, evaporating the solvent therefrom to give a solvent-free wax having a melting point of about 190° F., and removing the lower or asphaltic phase containing also the clay and evaporating the solvent therefrom leaving an asphaltic-clay residue.

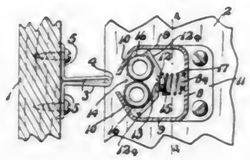
2,453,934
SURGICAL APPLIANCE FOR TREATING JAW AND OTHER FACIAL BONE FRACTURES
John L. Preston, Wichita Falls, Tex.
Application January 7, 1946, Serial No. 639,511
5 Claims. (Cl. 128—87)



1. In an instrument for the treatment of facial bone fractures, a circumferentially discontinuous head band of resilient material having intercrossing, adjustable supporting straps and further provided with longitudinally aligned slots on each side of its midsection, disposed midway between its edges, accessory rod mountings retained in said slots, said mountings consisting of a threaded pin receivable in a selected slot having a head provided with roughened undersurface, a post mounted on said pin having a head provided with a transverse rib receivable in a

slot of said band, the heads of said pin and post opposing said band in clamping relationship, mounted on said post for rotative and longitudinal displacement thereon and receiving and retaining accessory rods, a sweat band in said head band and means releasably retaining said sweat band.

2,453,935
CUPBOARD CATCH
Herbert Quigley and Albert F. Lickteig, Grand Rapids, Mich., assignors to National Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application June 25, 1945, Serial No. 601,380
6 Claims. (Cl. 292—15)



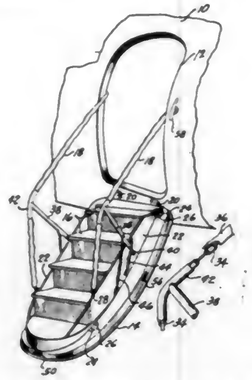
1. A catch including a housing support open at one side for receiving a keeper inserted therein, said housing support above and below said opening having inclined flanges converging outwardly toward each other, two rollers, one located to bear against the inner side of each flange, and a spring pressed shoe back of said rollers, said shoe bearing against the rollers and forcing them against said flanges and normally into contact engagement with each other.

2,453,936
TOOLHOLDER FOR ARTIFICIAL ARMS
Frederick W. Rallison, Preston, Idaho
Application August 22, 1945, Serial No. 612,055
1 Claim. (Cl. 279—79)



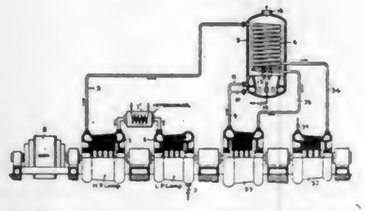
A tool holder for artificial arms comprising a threaded stem adapted for threading in an artificial arm, a rounded head on the outer end of the stem having a plurality of recesses, a tool socket including a yoke pivotally receiving the head of the stem, a detent slidably mounted in the socket and engaged in said recesses to secure the socket in pivotally adjusted position, said socket including a bore adapted for receiving a tool shank provided with an annular groove, and a transverse locking pin carried by the socket and engaged in said groove to releasably secure the tool in the socket.

2,453,937
AIRCRAFT DOOR
James G. Ray, West Los Angeles, Calif., assignor to Southwest Airways Company, West Los Angeles, Calif.
Application April 23, 1947, Serial No. 743,291
2 Claims. (Cl. 244—129)



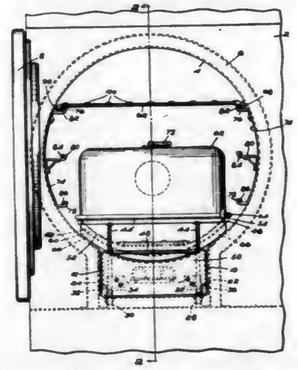
2. In an aircraft, in combination: a fuselage; means forming a passageway thru a side wall thereof; a door pivotally mounted adjacent its lower edge to said fuselage and adapted to close said passageway in its upper position and to extend outwardly and downwardly in its lower position; a series of steps formed on the inner wall of said door; a flexible element having its one end attached to the inner surface of said side wall adjacent said passageway and its other end attached to the outer portion of said door; a rigid link connected to an intermediate portion of said flexible element and pivotally connected to said door and adapted, when the latter is in its lower position, to maintain said intermediate portion spaced a substantial distance from said door; and resilient means to urge said link toward substantial parallelism with the plane of said door when the latter is in its upper position.

2,453,938
TURBINE THERMAL POWER PLANT USING HOT AIR AS MOTIVATING FLUID
David Schmidt, Zurich, Switzerland, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland, a corporation of Switzerland
Application November 19, 1945, Serial No. 629,386
In Switzerland December 14, 1944
1 Claim. (Cl. 60—59)



A thermal power plant, comprising in combination, at least one compressor which draws in air from the surrounding atmosphere and brings it to a higher pressure; a heater having a combustion chamber and in which heat is given up indirectly to said compressed air; a piping connecting the outlet of said compressor directly to the compressed air inlet of said heater; two turbines in which said compressed, heated air is expanded and which are arranged in parallel as regards the flow of the air through them; a connection between a point of said heater where a lower temperature prevails than at the outlet of the latter and one of said turbines, the heated air supplied to this turbine being expanded therein down to atmospheric pressure and hereupon discharged into the atmosphere; a further connection between the outlet of said air heater and the other one of said turbines, the air supplied to the last mentioned turbine being discharged after expansion therein into said combustion chamber; a consumer of useful energy; and driving connections through which said turbines drive said consumer of energy and said compressor.

2,453,939
COOKING OVEN
Frank H. Schneider, Gardner, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application July 27, 1944, Serial No. 546,811
9 Claims. (Cl. 126—39)



1. The combination of an oven having a longitudinal opening through its bottom and a frame adapted to carry a cooking surface in said oven, said frame comprising a pair of spaced channels located below said opening, a roll in each channel, a roller alongside the front end of each channel, horizontal members each secured to one of said rolls and resting at its front end on one of said rollers, whereby said members may be longitudinally drawn along said channel, upwardly extending members passing through said opening into said oven and connected to said horizontal members and carrying on their upper ends a support, a transversely extending baffle carried by said support and located over said opening, a cooking surface carried by said support above said baffle, the said frame, baffle, and cooking surface adapted to be withdrawn as a unit from said oven.

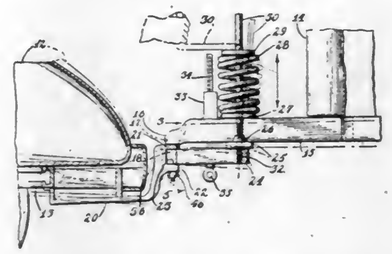
2,453,940
FLEXIBLE CONTAINER WITH SIDE OPENING
Nathan Slobotkin, Brooklyn, N. Y.
Application November 2, 1944, Serial No. 561,549
2 Claims. (Cl. 150—10)

2. A container comprising opposite side walls secured at their peripheral edges completely therearound whereby said container is normally closed at its top as well as at its bottom and side edges, one of said side walls having a slit-like opening disposed below the top of the container and extending widthwise thereof, and a generally U-shaped spring positioned within said container with its base disposed widthwise of the container below said opening and with its arm extending transversely of said opening and upwardly from said base above said opening in position to tension said opposed side walls widthwise of the container in the region of said opening, the side wall which



is provided with said opening having an internally disposed portion below said opening forming a recess open at its bottom and closed at its top, whereby to receive at least part of the contents of the container when the container is inverted, the portions of said opposed side walls above said opening defining a second recess for part of the contents of the container when the latter is inverted, said internally disposed portion providing means to deflect the last mentioned part of the contents into said last mentioned recess when the container is inverted.

2,453,941
TRAILER HITCH
Andrew Smit, Oak Lawn, Ill.
Application January 14, 1947, Serial No. 721,999
2 Claims. (Cl. 280—33.17)



2. A tractor and trailer hitching means comprising, a stationary support secured to a tractor vehicle, a V-shaped support secured to the said first mentioned support to articulate in a horizontal plane, pivot means securing the said V-shaped support to the said first-mentioned support and provided with an exposed ball-shaped portion, an angular support secured to a trailer vehicle and having at its apex a socketed portion secured to the said ball-shaped portion affording limited universal movement to the said angular support, upper and lower strut means arranged in parallel relationship over and under the said angular support, crank means adjustably engaging the said lower strut means, and spring means confined between the said crank means and the said upper strut means normally urging the said angular support towards the said V-shaped sup-

port, the said trailer vehicle being capable of limited horizontal and limited universal movements independently of the movements of the said tractor vehicle.

2,453,942

NITRATION OF ALCOHOLS

Arthur Ernest Wilder Smith, Wallingford, Charles William Scaife, Norton-on-Tees, and Harold Baldock, deceased, late of Norton-on-Tees, England; by Herbert Baldock, legal representative, Hoylake, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 15, 1945, Serial No. 622,487. In Great Britain October 27, 1944
8 Claims. (Cl. 260—467)

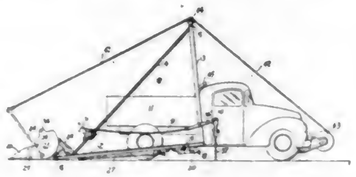
4. A process for the production of the nitric acid esters of nitro-alcohols which comprises reacting in the liquid phase a mono-nitro substituted mono-hydroxy alkanol with nitrogen tetroxide at a temperature below 20° C.

2,453,943

TRUCK LOADING MEANS

Stanley Smith, Bend, Oreg.

Application March 18, 1946, Serial No. 655,260
8 Claims. (Cl. 214—78)



1. A truck loading device of the character described comprising a frame, said frame having bottom members and upright members, said frame pivotally mounted on the truck for swinging in a vertical plane, a scoop hinged on the rear of said bottom members, a pivotally mounted scoop handle, means limiting the movement of said handle and said scoop with respect to each other, a drum mounted on the truck, a cable on said drum, one end of said cable connected to said scoop handle, said cable passing over said upright frame members, said cable arranged to tilt said scoop handle, and therewith said scoop, towards the truck, and then to elevate the scoop end of said frame as said cable is wound on said drum, a latch limiting the normal tilting of said scoop, adjustable means for releasing said latch when said scoop and frame have been raised to predetermined positions above the truck, said latter mentioned means including a lever arm pivoted on said frame, one end of said lever connected with said latch, an adjustable ground engaging element connected to said lever and adapted to operate said lever and thereupon release said latch when said frame has been tilted to a predetermined position, an auxiliary frame hinged to the bottom of said first mentioned frame, one end of said auxiliary frame adapted to contact the ground when said first mentioned frame is in lowered position, and a link connecting said scoop with said auxiliary frame and arranged to tilt said scoop in the opposite direction from the truck when said auxiliary frame is brought into contact with the ground by the lowering of said first mentioned frame and scoop.

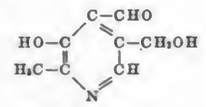
2,453,944

PHYSIOLOGICALLY ACTIVE DERIVATIVE OF PYRIDOXINE AND METHOD OF MAKING THE SAME

Esmond E. Snell, Austin, Tex., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 27, 1944, Serial No. 537,741
1 Claim. (Cl. 260—297)

A physiologically active compound of the formula

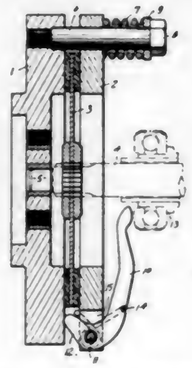


2,453,945

FRICTION CLUTCH

Charles B. Spase, Nedrow, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York

Application February 12, 1945, Serial No. 577,406
1 Claim. (Cl. 192—68)



A unitary friction clutch element for attachment to a complemental clutch element, the unitary element including a shiftable pressure ring, means for solely supporting and driving the pressure ring from, and attaching the same to the complemental element, springs located to thrust the pressure ring toward the complemental element and carried by the supporting means, and throw-out mechanism including throw-out levers carried solely by the pressure ring and having arms located to thrust directly against the complemental element during the throw-out operation to facilitate disengaging of the clutch, said arms frictionally and slidably coacting with the complemental element.

2,453,946

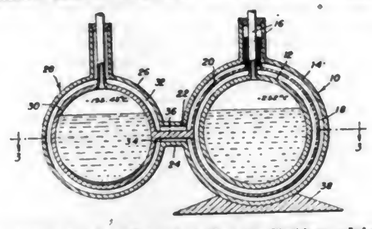
THERMALLY INSULATED CONTAINER WITH RADIATION SHIELD AND ENERGY ABSORBER

Gerard F. Sulfrian, Newark, N. J., assignor to Hofman Laboratories, Inc., Newark, N. J., a corporation of New Jersey

Application December 17, 1947, Serial No. 792,112
7 Claims. (Cl. 62—1)

1. A thermally insulated container comprising inner and outer vessels supported in spaced relation to one another, a radiation shield in the space between the vessels, a refrigerant adjacent the

container, and means extending between the radiation shield and the refrigerant to conduct



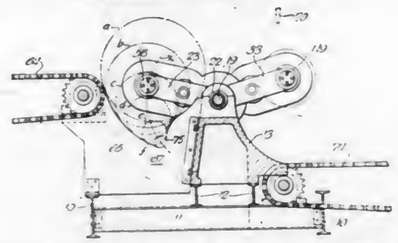
heat energy absorbed by the radiation shield to the refrigerant.

2,453,947

HYDRAULIC TYPE LOG DEBARKER HAVING PLURAL LOG-ROTATING CHUCKS INDEPENDENTLY REVOLVABLE ABOUT A COMMON AXIS

Frank H. Swift, Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada

Application December 22, 1945, Serial No. 637,002
5 Claims. (Cl. 144—208)



4. In a hydraulic barker, a pair of arms mounted for rotation about a fixed axis, means for rotating said arms in unison, said arms extending in the same plane, a chuck mounted in each arm for rotation on an axis parallel to said fixed axis, said chucks located equal distances from said fixed axis, means for rotating one of said chucks, a debarking nozzle, and a stationary support for positioning a log in said machine to facilitate engagement of the ends of the log by said chucks preparatory to the moving of the log into debarking position with respect to said nozzle, said support having curved, downwardly sloping sides, the curvature of said sides being determined by points of tangency of circles of decreasing diameter having their centers arranged in the circular path described by said chucks when said arms are rotated, whereby logs of different diameter will be properly positioned by said support for engagement by said chucks and arms.

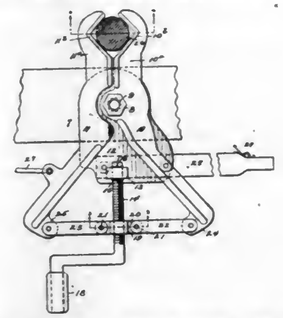
2,453,948

MOP GRIPPING UNIT FOR MOP SHAKING MACHINES

Clarence Turnepseed, Springfield, Ohio

Application April 5, 1946, Serial No. 660,015
5 Claims. (Cl. 15—94)

4. In a device of the character described, the combination with a support of a pivot carried by said support and inclined with respect to the vertical, a tong-like structure mounted for oscillation about said pivot in a plane perpendicular to the axis of said pivot and comprising a pair of jaws having rear ends and forward ends, a threaded block, toggle links connecting said block with the rear ends of said jaws, a cranked screw having threaded engagement with said block, means mounted upon one of said jaws with which the inner end of said screw is engaged and which holds said screw against endwise movement with respect to said jaw while permitting



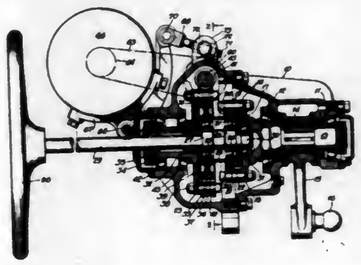
said screw to turn, and flanges carried by the forward ends of said jaws shaped to engage the handle of the mop under the combined action of the screw and toggle links, which flanges lie in substantially vertical planes at an intermediate position of the tong like structure along its path of oscillation.

2,453,949

MANUALLY CONTROLLED POWER BOOSTER MECHANISM

Bronislaus Ulinski, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

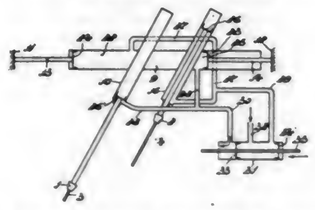
Application May 12, 1945, Serial No. 593,389
17 Claims. (Cl. 180—79.1)



10. In a combination of the class described, an epicyclic gear combination comprising a pair of independently rotatable internal ring gears and a pair of spur gears rotatable as a unit relatively to said ring gears, a steering shaft having an eccentric cam on which said spur gears are rotatably mounted, steering mechanism secured relatively to one of said ring gears for actuation thereby, a motor, a drive transmission between said motor and the other of said ring gears for rotating the said ring gear whereby through said spur gears to rotate the first ring gear when said steering shaft is held to accept the driving torque reaction through said eccentric cam, said drive transmission including a worm in driving engagement with a worm gear rotatable with said other ring gear, said worm and worm gear serving to hold said other ring gear fixed when said motor is inoperative whereby to accept the drive torque reaction incidental to manual rotation of said

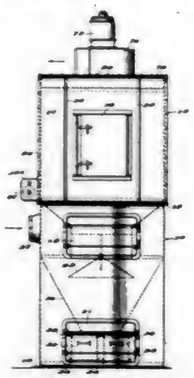
steering shaft and cam, a worm shaft on which said worm is formed, means mounting said worm shaft for endwise movement, and a switch means for said motor actuated by endwise movement of said worm shaft.

2,453,950
WELDING DEVICE
Hendrik Jan van den Berge and Hendrik Pieter Hubee, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application October 24, 1946, Serial No. 705,276
In the Netherlands July 21, 1945
7 Claims. (Cl. 219—8)



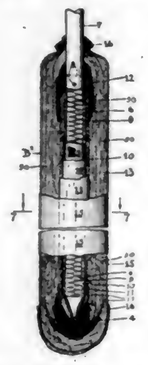
1. A welding device intended for touch-welding comprising two holders for welding rods, a common mounting for said rod holders, said two holders being mounted in parallel relationship to each other on said common mounting, supporting means for movably supporting said common mounting so that said common mounting and said two holders may be moved longitudinally of said common mounting as a unit whereby the position of one of said welding rod holders in regard to a work piece and including the angle therebetween may alternately be assumed by the other of said welding rod holders.

2,453,951
DUST COLLECTOR
Walter O. Vedder, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application May 3, 1944, Serial No. 533,906
6 Claims. (Cl. 183—67)



1. Dust separating apparatus which comprises a chamber having an intake compartment and an exhaust compartment, a centrifugal dust separator in said intake compartment and having a central exhaust pipe delivering into said exhaust compartment and extending into said centrifugal separator to form an annular space therein, said centrifugal separator having a tangential inlet to said annular space, a dust collecting bin in said intake compartment to receive separated dust from said centrifugal separator, a bag filter in said exhaust compartment to receive air from the exhaust pipe of said centrifugal separator and means to draw air from said intake compartment through said centrifugal separator and bag filter and into said exhaust compartment.

2,453,952
OIL-REFINING FOLDABLE PACK
Albert R. White, Glendale, Calif.
Application August 22, 1944, Serial No. 550,612
1 Claim. (Cl. 210—131)

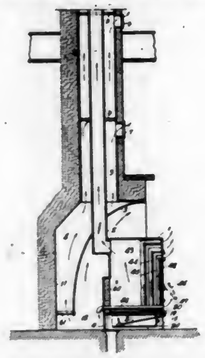


A fluid filtering pack having a flexible hollow core acting as a fluid passageway, a pipe communicating with one end of the core, flexible screening means enclosing the core, a layer of sponge enclosing said screening means, a fluid absorbent cord wrapped around the screening means, sponge and pipe for connecting them together, a second fluid absorbent cord wrapped around the free end of the screening means and sponge to close the free end of the core, a flexible pack body formed of three layers of filtering material and enclosing the screening means and cord wrappings and having a substantial depth between the screen and the outer surface of the pack, the center layer of said pack body being alkali-impregnated for neutralizing any acid condition of the oil flowing through the body, a fabric casing enclosing the entire pack assembly, said casing being wrapped at each end with string.

2,453,953
PROCESS FOR PREPARING SULFUR-CONTAINING PHTHALOCYANINE DYESTUFFS
Clifford Wood, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 4, 1946, Serial No. 651,973. In Great Britain March 5, 1945
5 Claims. (Cl. 260—314.5)

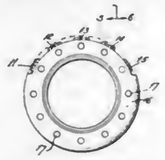
1. Process for the manufacture of vattable, sulfur-containing dyestuffs of the phthalocyanine series, which comprises heating in nitrobenzene, at a temperature between 130° and 210° C., a phthalocyanine compound selected from the group consisting of metal- and metal-free phthalocyanines containing sulphonyl-chloride groups, in the presence of a phosphorus polysulfide selected from the group consisting of phosphorus pentasulfide and the sulfides formed in situ at the specified reaction temperature from a mixture of red phosphorus and sulfur, whereby to convert the sulfonyl-chloride radicals of the phthalocyanine compound into vattable, sulfur-containing radicals.

2,453,954
FIREPLACE HEATING SYSTEM
Harry T. Wright, Richmond, Va.
Application August 10, 1944, Serial No. 548,853
3 Claims. (Cl. 237—51)



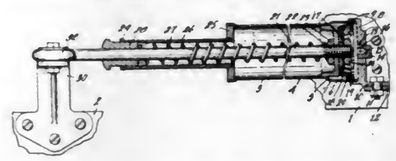
3. A fireplace heating system comprising a chimney, a fireplace, a fireplace stove, a deflector mounted to the rear of said stove, a flue evtending upwardly from said stove and passing through said deflector, said deflector being sealed to the upper interior surface of said fireplace and then extending rearwardly and downwardly, means forming an opening communicating the space in back of said deflector with the space in front of said deflector, said means being located adjacent the lower end of said deflector, said flue being mounted in said chimney and being surrounded by an air space, a partition in said chimney, mounted in said air space and an outlet from said air space to the interior of the room in which said fireplace is located.

2,453,955
REMEMBRANCER
James Leslie Younghusband, Chicago, Ill.
Application June 5, 1947, Serial No. 752,786
2 Claims. (Cl. 63—15)



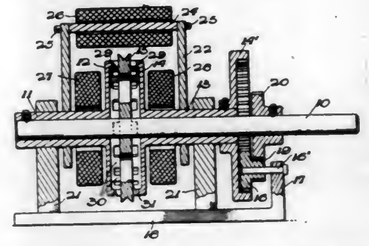
1. A remembrancer comprising a ring, five spaced stones mounted in said ring, a cover slidably mounted on said ring, said cover adapted to normally cover said stones, the stone on one end being white and followed by two white stones, one green stone and one red stone, the stone on the opposite end being red, said cover adapted to be manually moved by the user in one direction to expose first the end white stone, then successively in order two white stones, three white stones, three white stones and the green stone and finally three white stones, the green stone and the red stone, said cover adapted to be moved by the user in the opposite direction to cover all of the said five stones.

2,453,956
DOOR CHECK
Fred P. Angell, Battle Creek, Mich.
Application April 4, 1946, Serial No. 659,495
3 Claims. (Cl. 16—66)



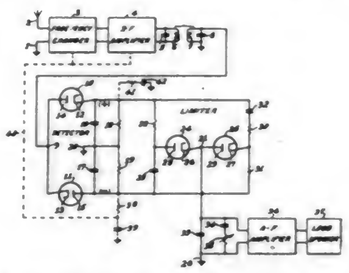
1. In a door check, the combination of a dashpot cylinder comprising a cylinder barrel portion having a cylindrical enlargement at its inner end merging into the barrel portion in a relatively abruptly tapered shoulder, a cylinder head provided with an inlet check valve, an adjustable bleed port and a pivotal mounting, an outer end member for the cylinder and provided with a tubular extension, a plunger reciprocating in said cylinder barrel, a cupped packing disposed on the inner side of said plunger to face inwardly therefrom, a plunger rod, a plunger return spring on said plunger rod extending into said tubular extension, and a combined bearing member for said plunger rod and thrust abutment for said spring at the outer end of said tubular extension, said packing entering said cylinder enlargement as the plunger approaches the end of its return stroke.

2,453,957
MAGNETIC CLUTCH
John E. Allen, Baltimore, Md.
Application August 22, 1945, Serial No. 612,063
20 Claims. (Cl. 192—84)



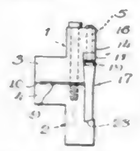
1. A magnetic clutch including a magnetic driven member, a pair of driving magnetic members cooperating with said driven member at opposite sides thereof, means for rotating said driving members constantly at or about the same speed in opposite directions, means for actuating said driven member from said driving members and determining the direction of rotation of said driven member comprising coil means for applying equal and opposite magnetic fluxes to said driving and driven members, coil means for reversibly unbalancing said fluxes, one of said two last named means including a single coil, a control circuit connected with one of said coil means and a circuit for applying a reference voltage to the other of said coil means.

2,453,958
SIGNAL AMPLITUDE LIMITING SYSTEM
Gilbert J. C. Andresen, Stow, Ohio
Application July 20, 1946, Serial No. 685,111
9 Claims. (Cl. 178—44)



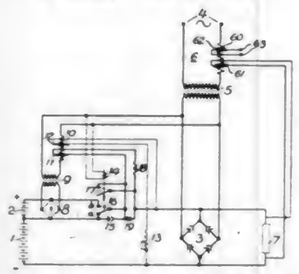
1. A signal coupling and amplitude limiting system comprising an input circuit including an element across which rectified voltage of a modulated-carrier signal appears, an output circuit, means for deriving from said input circuit two opposing modulation voltages, a direct coupling circuit for coupling one of said opposing modulation voltages from said input to said output circuit, a rectifier connected in said direct coupling circuit, a direct current circuit connected through said rectifier and across at least part of the source of rectified modulated-carrier causing said rectifier to conduct modulation the amplitude of which does not exceed a cutoff level determined by the potential of the rectified carrier, and an inverse coupling circuit for coupling the other of said modulation voltages from said input circuit to said output circuit for at least amplitudes above the cutoff level of the direct coupling circuit, the time constants of said direct and inverse coupling circuits being greater than the greatest period of single fluctuations to be reproduced and said direct and inverse coupling circuits being so proportioned that the direct coupling circuit provides the greater coupling for amplitudes below the cutoff level of the direct circuit, whereby the peak in any pulse exceeding the cutoff level in the direct coupling circuit is inverted in the output circuit.

2,453,959
TOOLHOLDER ASSEMBLY
David S. Anthony and William B. Blocker, San Antonio, Tex., assignors to Anthony Tool Company, San Antonio, Tex., a partnership
Application April 19, 1945, Serial No. 589,114
3 Claims. (Cl. 29—96)



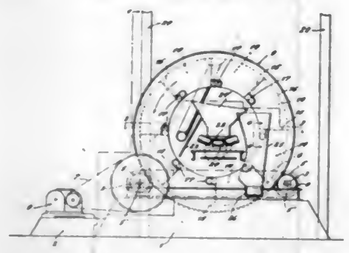
1. A cut-off tool holder adapted to be mounted in a slot provided in the tool post of a lathe, comprising a pair of sections each provided with an offset clamping jaw adapted to be received and firmly mounted in the slot, means for aligning and retaining the sections in blade holding relation, a recess provided in the adjoining inner faces of the sections and extending substantially below the slot and clamping jaws, a relatively wide blade mounted in the recess, and an elongated clamping plate carried in the upper section and having interlocking engagement between the plate and blade.

2,453,960
MEANS FOR CHARGING STORAGE BATTERIES
Algot Arvidsson, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application April 14, 1945, Serial No. 588,378
In Sweden March 23, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 23, 1964
9 Claims. (Cl. 320—15)



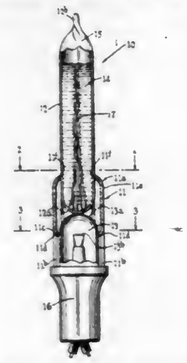
1. Charging means for storage batteries, comprising two batteries, alternating current terminals, two rectifiers each severally connected between said terminals and a corresponding one of said batteries, and means for automatically controlling the value of the charging current from one of said rectifiers to the battery charged thereby in dependence on the value of the charging current of said other battery.

2,453,961
DEWATERING APPARATUS
William F. Bankauf, East Paterson, and Harry B. Fisher, Belleville, N. J., assignors to Hewitt-Robins Incorporated, a corporation of New York
Application April 26, 1945, Serial No. 590,480
7 Claims. (Cl. 210—51)



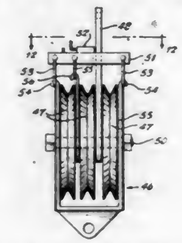
1. Sand dewatering apparatus comprising an open-center, annular wheel structure incorporating a series of circumferentially arranged buckets having their open ends directed radially inwardly toward the open center of the wheel; drive means engaging the wheel radially outwardly from the open center thereof; wet sand supply means mounted adjacent one side of the wheel and adapted to discharge into the open center of the wheel to supply wet sand by gravity to a bucket in the lower part of the wheel; water discharge means secured to the wheel and extending laterally beyond one side thereof from each bucket adjacent an inner edge thereof and at the lower side of each rising bucket; a conveyor belt extending through the open center of the wheel; a sand guiding funnel having its receiving end extending over a series of buckets in the upper part of the wheel and its discharge end directed to supply the conveyor belt and means for moving the belt.

2,453,962
HEAT AND LIGHT CONCENTRATING HOLDER FOR ILLUMINATED DECORATIVE LIGHTING DEVICES
Louis Barnett, Brooklyn, N. Y., assignor to Raylite Electric Corp., Long Island City, N. Y., a corporation of New York
Application June 9, 1945, Serial No. 598,568
5 Claims. (Cl. 240—10)



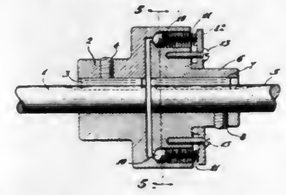
4. A device of the character described comprising a tubular structure formed of light condensing and guiding material one end of said structure having integral holder means for mounting a decorative ornament containing a vaporizing liquid, the other end of said structure having a portion turned to receive light beams from a glowing heat producing filament for transmission through said structure, said first mentioned end being turned to transmit light beams passing therethrough into said ornament.

2,453,963
PULLEY BLOCK
Henry Bruce Bercaw, Kenton, Ohio
Application July 27, 1945, Serial No. 607,303
1 Claim. (Cl. 254—193)



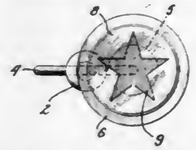
In a device of the class described, a yoke having sides and an open end, a spindle bolt extending cross-wise through said sides, sheaves rotatably mounted on said spindle bolt, a drawbar for suspending said device interposed between said sheaves and extending out of the open end of said yoke with said spindle bolt extending therethrough, and means to open and close said open end of the yoke upon opposite sides of said drawbar comprising a crosshead on said drawbar, terminal hooks on the sides of said yoke, shackles on the ends of the cross-bar detachably attached to said hooks, said cross-bar being slidable on said drawbar toward said yoke to provide for detaching the shackles from the hooks, and coacting latch devices on the cross-bar and drawbar, respectively, for preventing such sliding of the cross-bar.

2,453,964
COUPLING FOR SHAFTS
Albert Betz, Hamilton, Ohio
Application December 1, 1943, Serial No. 512,451
2 Claims. (Cl. 64—9)



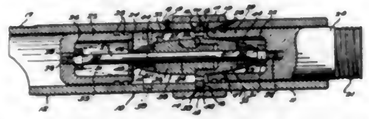
1. A flexible coupler for shafts comprising an inner member, an outer member, one rigidly secured to one shaft, the other rigidly secured to the other shaft, holes parallel to the shafts when aligned, said holes disposed partly in the inner member and partly in the outer member inclined surfaces at the bottoms of the holes, balls fitting the holes disposed in the holes, springs disposed in each hole pressing the balls inwardly against said inclined surfaces, a detachable ring and means for securing said ring to the coupler adjacent the open ends of said holes, said ring providing a seat for the ends of said springs.

2,453,965
MAGNETIC REFLECTIVE TOY
Adele L. Bewley, Buffalo, N. Y.
Application July 20, 1946, Serial No. 685,041
2 Claims. (Cl. 46—45)



1. A toy of the character described, comprising an elongated handle adapted to be conveniently grasped by a child, a member attached to said handle and having a highly reflective plane surface, and a generally flat relatively non-reflective member having any desired shape and smaller in diameter than said reflective surface, removably applied to said highly reflective surface, one of said members being permanently magnetized and the other being of high magnetic permeability whereby detachable adherence between said members is effected by simple contact between the two by the lines of force of said permanently magnetized member, said toy being thereby capable of use in bed to reflect a beam of light from a remote source onto the bedroom ceiling to produce a shadow image of said relatively non-reflective member.

2,453,966
DOUBLE-ACTING SHOCK ABSORBER
Louis Brown and Leo Lacey, Uvalde, Tex.
Application August 23, 1946, Serial No. 692,516
7 Claims. (Cl. 188—88)



1. In a double acting shock absorber, an open ended cylinder, axially connected plungers having interior chambers opening inwardly operating therein in spaced relation, and an oppositely tapered axial body held in the cylinder in spaced relation to the bore of the cylinder and through which the connection of the plungers has a sliding fit and is designed to move or over which connection the body is adapted to move with the cylinder, to displace the fluid in the cylinder between the same and the body and to and from the chambers of the plungers around the outside of the body.

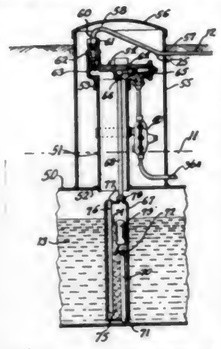
2,453,967
LAMP SUPPORT
Stewart R. Browne, Brooklyn, N. Y., assignor to Stewart R. Browne Mfg. Co. Inc., New York, N. Y., a corporation of New York
Application January 10, 1947, Serial No. 721,228
3 Claims. (Cl. 248—125)



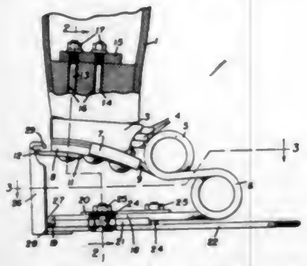
2. In a device of the class described, the combination of a telescopic mast, ball-and-socket joints at the top and bottom of the mast, a base member provided with wheels and connected to the bottom joint, a spring clip associated with the top joint, a lamp disposed in said clip, another ball-and-socket joint disposed on said base, and a second spring clip disposed on said last mentioned joint to receive the lamp when it is removed from the first clip.

2,453,968
GAS DISPENSING SYSTEM
William C. Buttner, Winnetka, and Harold L. Norway, Evanston, Ill., assignors to The Bastian Blessing Co., Chicago, Ill., a corporation of Illinois
Application January 9, 1942, Serial No. 426,206
16 Claims. (Cl. 62—1)

1. In combination, a container buried below the frost line for storing a fuel having a vapor pressure less than the vapor pressure of butane, a second container supported inside the first, porous means in the second container for dividing the container into minute passageways, means for supplying to one of the containers the vapor of a fuel having a vapor pressure in excess of butane, and means for withdrawing a mixture of said vapor and the first fuel from the other of said containers.

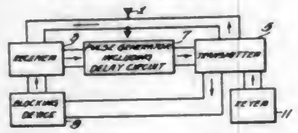


2,453,969
ARTIFICIAL LIMB
Edwin C. Carter, Rio Grande City, Tex.
Application April 3, 1947, Serial No. 739,109
8 Claims. (Cl. 3—2)



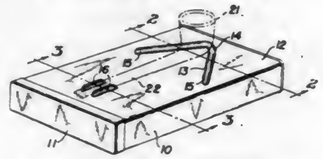
1. An artificial limb comprising a hollow leg supporting calf portion and a foot portion associated therewith, a series of substantially U-shaped laterally disposed springs having rearwardly protruding ends detachably connected between said calf portion and said foot portion, and snubber means for limiting the relative movement between said portions.

2,453,970
RECOGNITION SYSTEM FOR PULSE ECHO RADIO LOCATORS
George M. Charrier, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1941, Serial No. 395,924
6 Claims. (Cl. 343—13)



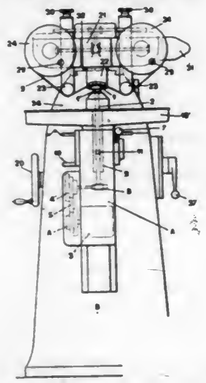
5. A recognition system for a pulse echo obstacle detection system employing a pulse transmitter including in combination a second transmitter, means for receiving the pulses from said pulse transmitter, means for applying said received pulses to said second transmitter to key same, means for varying continuously the frequency of said second transmitter, means for applying to said second transmitter modulations including an identification code, and means for radiating pulses from the thus keyed frequency varied and code modulated transmitter.

2,453,971
COMBINED PIPE STAND AND CONTAINER FOR SMOKING TOBACCO
Raymond Chemlinski, Schenectady, N. Y.
Application June 7, 1946, Serial No. 675,165
2 Claims. (Cl. 131—260)



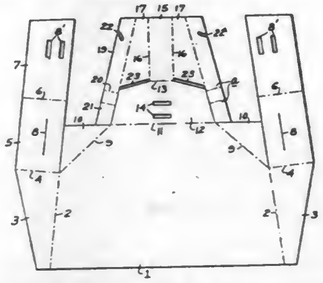
1. In a flat tin pocket container for smoking tobacco, a V-shaped ridge on a broad surface thereof, of dimensions to embrace the lower portion of the bowl of a pipe, and a pair of ribs rising on said surface, parallel to, and straddling the bisector of the angle of said V-formation for abutment with the stem of the pipe from opposite sides.

2,453,972
MACHINE FOR CUTTING AND POLISHING NONSPHERICAL OR CONICAL SURFACES BY MEANS OF ABRASIVE BAND TOOLS
Serge Clavé and Marcel Clavé, Paris, France
Application April 14, 1947, Serial No. 741,400
In France October 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 13, 1962
8 Claims. (Cl. 51—62)



1. Improved machine for the cutting and polishing of non-spherical surfaces of the type described, comprising in combination a main frame, a bracket movable for vertical reciprocation on said frame, means for vertically reciprocating said bracket, a workpiece support on said bracket, a movable tool-carrying and tool-driving means on said frame having a band-like abrasive tool thereon and a backing die therefor, means for moving said movable means between an active position in which said abrasive band tool may be placed in abrasive engagement with a workpiece on said workpiece support and an inactive position wherein said tool is clear of said workpiece, and means for imparting to said abrasive band both a longitudinal reciprocation and a lateral reciprocation.

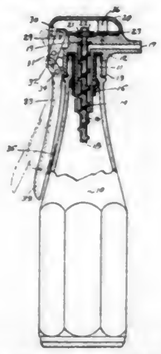
2,453,973
DUSTPAN
William E. Coats, Los Angeles, Calif.
Application October 11, 1946, Serial No. 702,697
1 Claim. (Cl. 65—20)



In a blank for forming a scoop comprising a single sheet of material having a main body section of polygonal outline formed by a top and a bottom parallel sides and end sides connecting said top and bottom sides, each said end side being formed by a first straight part joined to the bottom side and a second straight part joined to the top side, said first and second parts extending towards and joining each other and forming an obtuse angle with each other, triangular sections integral with and hinged to said main body section at said second straight parts, respectively, of said main body section whereby each said triangular section is foldable toward said main body section, a back section having a top side and a bottom side, said back section being integral with said main body section and hinged thereto at the top side thereof whereby the back section is foldable toward said main body section, said back section having parallel to the top side thereof a pair of parallel slots, said back piece having end sides connecting the top and bottom sides thereof, each said side being formed by a third straight part joined to the bottom side and a fourth straight part joined to the top side, said third and fourth parts extending towards each other and forming an obtuse angle with each other, an elongated side section integral with said main section and hinged thereto at each of said first straight parts, each said elongated side section having a side flap portion, a side corner portion and a back flap portion with the boundary lines between said portions being scored, the lengths of said side flap portion and side corner portion being substantially equal to the respective lengths of said first part and said second part, each said side corner portion having a slit and being adapted to be folded against said triangular section whereby the apex thereof may be pushed through said slit, said back flap portion having a pair of parallel slots adapted to be placed in register with the back section slots, a substantially rectangular handle section integral with and hinged to said back piece, side sections extending from and hinged to said handle section along the length thereof, and flap sections extending from said side sections and extending lengthwise beyond the same, each said flap sections terminating in a pair of tongue por-

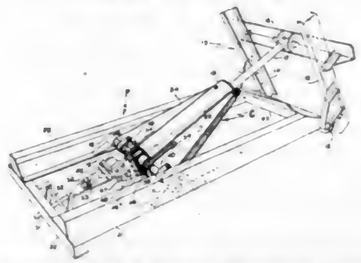
tions with the boundary lines between said tongue portions and the remainder of said flap section being scored, said tongues being adapted to be threaded through the registered slots for holding the sections in assembled scoop form.

2,453,974
KETCHUP DISPENSER
Phillip Colaluca, Youngstown, Ohio
Application March 10, 1945, Serial No. 582,057
2 Claims. (Cl. 215—3)



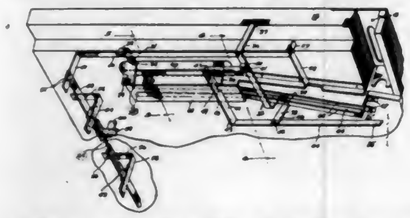
1. A ketchup dispenser consisting of a body member having a distortable tubular member formed thereon insertable in and removable from the neck portion of a ketchup bottle, a passageway defined by said member and a delivery passageway in said body member in communication therewith, and a screw type conveyor rotatably positioned in said passageway and a rack and pinion gear for imparting movement to said screw type conveyor, and a handle pivotally connected to said rack for imparting movement thereto, a spring in said handle engaging said bottle and normally urging said handle away therefrom.

2,453,975
PIVOTING HYDRAULIC POWER CYLINDER FOR DUMP TRUCKS
Herbert O. Day, Bowling Green, Ohio
Application August 3, 1946, Serial No. 688,386
13 Claims. (Cl. 121—63)



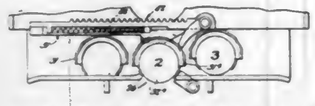
1. A hydraulic jack device comprising a hydraulic power cylinder swingable about an axis extending transversely of the longitudinal axis of the cylinder, a transverse shaft member extending at right angles to the cylinder and associated with the rear-end portion thereof, a pair of bracing members extending substantially in the plane defined by the cylinder and the shaft member, rearward means for fastening the rear-end portion of each bracing member to the shaft member, and forward means for fastening the forward end of each of said bracing members to a corresponding forward portion of the cylinder comprising means for adjusting the relative longitudinal tension between the cylinder and the bracing member.

2,453,976
BALL GATE AND ELEVATING MECHANISM
Lyndon A. Durant and Gordon Horlick, Chicago, Ill., assignors, by direct and mesne assignments, to Royal Patent Corporation
Application October 23, 1945, Serial No. 624,002
2 Claims. (Cl. 273—122)



1. The combination with a pivotally movable ball gate of an amusement apparatus and a latch member therefor, of a supporting structure, a ball elevating member pivotally carried by the structure, an operating handle pivotally carried by the supporting structure and having an end portion engaging the ball elevating member and the latch member for simultaneously operating the ball elevating member and the latch member to release the latch member from engagement with the ball gate when the ball elevating members is elevated by said operating handle.

2,453,977
CARTRIDGE FEEDING DEVICE
James Owen Eames, Washington, Conn., assignor to Roy S. Sanford, Woodbury, Conn.
Application March 28, 1946, Serial No. 657,803
8 Claims. (Cl. 89—33)



5. In an automatic gun adapted to fire cartridges carried to the gun by gripping links comprising a flexible belt, the combination comprising a feedway for the belt, said feedway having a slot defined by edges in said feedway for engagement with a portion of each link, a slide including a link feeding pawl, means for reciprocating said slide for presenting each link and its gripped cartridge successively to a position in alignment with said slot, and a member slidably supported on said slide and having link-engaging elements for forcing the link into engagement with the edges of said slot and maintaining said engagement during stripping of the cartridge from the link.

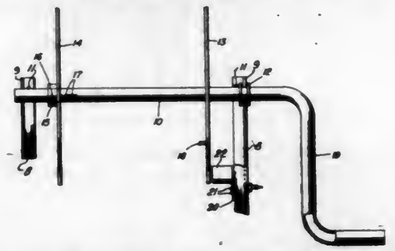
2,453,978
ELECTRODE STRUCTURE
Duryea E. Elmendorf, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application August 23, 1946, Serial No. 692,505
1 Claim. (Cl. 176—126)

An electric glow discharge lamp comprising an enclosing envelope, a stem having a sealed press portion, an insulating vitreous hollow cylinder fused at one end to said stem press portion to constitute a unitary extension of said stem and being open at its distal end, a pair of lead-in wires having portions thereof sealed in said stem press portion, one of said lead-in wires extending through said stem press exteriorly of, and alongside, said cylinder, the other lead-in wire extending through



said stem press interiorly of said cylinder and being bent over the distal end thereof and against the outer surface of said cylinder, and a pair of electrodes comprising annular longitudinally spaced films of conductive material adherent directly to the outer surface of said cylinder and in electrical contact with respective ones of said lead-in wires.

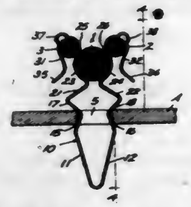
2,453,979
PORTABLE WIRE REEL HOLDER
Le Roy Frontz, Allenwood, Pa.
Application June 6, 1945, Serial No. 597,869
1 Claim. (Cl. 242—90)



A wire reel holder comprising a carriage adapted for movement over the ground, a pair of arms rising from said carriage at opposite sides thereof and having notched upper ends, a manually operable shaft rotatably fitted in said notched ends, whereby the same is removable from said arms, said shaft being adapted to support a reel thereon between said arms, a fixed flange on said shaft adjacent one arm, means connecting the reel to said flange for rotation therewith, a drag carried by said one arm and frictionally engaging one side of said flange, and a pair of collars on said shaft straddling the notched upper end of said one arm to prevent end play of said shaft and consequent movement of said flange away from said drag.

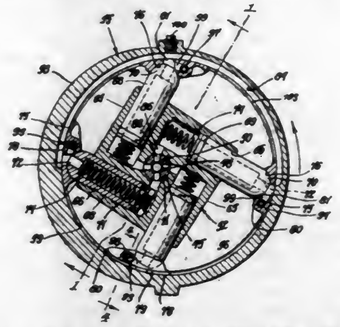
2,453,980
FASTENING DEVICE FOR CABLES, WIRES, OR THE LIKE
Richard A. Hartman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 28, 1946, Serial No. 706,227
3 Claims. (Cl. 24—73)

1. A fastener for retaining a plurality of objects in separately attached and detachable relation comprising a strip of metal bent to provide a pair of spaced shank legs adapted to be compressed toward each other in fastening position in an opening in a support, cooperating spaced spring arms carried by said shank legs adapted to grip an object therebetween under the force of said shank legs in compressed condition in the opening, inwardly extending portions on said spring arms at the entrance to the space therebetween for retaining said object against removal



from between said spring arms, one of said spring arms having an outward reversely extending spring finger adjoining the inwardly extending portion thereon defining a recess for retaining another object in close overlapping relation to the first named object with said inwardly extending portion disposed between the retained objects to prevent chafing thereof.

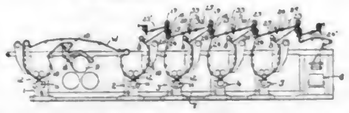
2,453,981
HYDRAULIC CLUTCH
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y., a corporation of New York
Application November 15, 1944, Serial No. 563,488
12 Claims. (Cl. 192—60)



1. A clutch of the character described for releasably coupling a driving part and a driven part, comprising a cylinder block secured to rotate with one of said parts, a cylindrical shell enclosing said cylinder block and secured to rotate with the other of said parts with its axis parallel with but in eccentric relation to the axis of said cylinder block and forming a chamber containing a liquid surrounding said cylinder block, said cylinder block being formed to provide a plurality of cylinders open at their outer ends and each arranged with its axis in a plane at right angles to the axis of said cylinder block, a piston in each of said cylinders and projecting outwardly therefrom, a shoe secured to the outer end of each of said pistons and having a face engaging the inner cylindrical face of said cylindrical shell to reciprocate said pistons in response to the rotation of said cylindrical shell relative to said cylinder block, each of said pistons being provided with a bore communicating with the corresponding cylinder and each of said shoes being provided with an internal passage registering with the bore of the

corresponding piston, and means for admitting liquid from said chamber through each of said passages and the corresponding bore to the corresponding cylinder when the piston is moving outwardly in following the corresponding half of said inner cylindrical face and restraining the reverse movement of said fluid through said passage and bore when said piston is moving inwardly in following the other half of said inner cylindrical face.

2,453,982
PRINTING PRESS COMPENSATOR
William F. Huck, Forest Hills, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application January 28, 1946, Serial No. 643,870
5 Claims. (Cl. 101—181)



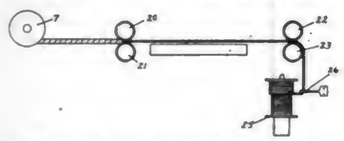
1. In a multiple unit printing press, the combination with a compensating roller, an axial shaft therefor, said shaft being moveably supported, of a differential arm mounted upon said shaft and extending in each direction transversely thereof, threaded poppets moveably attached to the ends of said differential arm, rods threadably engaging said poppets, and reversible driving means connected to said rods for rotation thereof.

2,453,983
PREVENTION AND DESTRUCTION OF WEEDS
Wilfred Archibald Sexton, Manchester, and Roland Edgar Slade and William Gladstone Templeman, Bracknell, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 27, 1945, Serial No. 613,020. In Great Britain April 7, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 7, 1961
12 Claims. (Cl. 167—45)

3. A method for the prevention and destruction of weeds which comprises applying to a locus to be protected a compound conforming to the general formula $Ar.X.CH_2.Y$, in which Ar is selected from the group consisting of the phenyl radical, the naphthyl radical and such radicals containing also at least one substituent selected from halogen atoms, nitro groups, and alkyl radicals containing not more than 6 carbon atoms, X is selected from the group consisting of oxygen, sulphur, and —NH— radical, and Y is selected from the group consisting of the carboxy radical and carboxy radicals in which the hydrogen atom is replaced by a water-soluble salt-forming substituent, the compound being applied in amount sufficient to exert an herbicidal action.

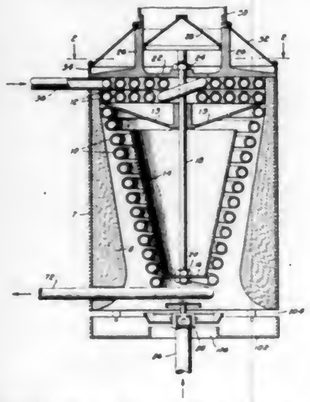
2,453,984
PRODUCTION OF THREAD
Charles E. Gardner, Hollis, N. Y., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 27, 1947, Serial No. 782,383
1 Claim. (Cl. 57—157)

The method of producing twisted thread from a ribbon of a heat-sealable and heat-stretchable film material which comprises twisting the film into a filament and then heating it and pulling the twisted film so as to elongate it, and bringing contacting surfaces of overlapping portions of the twisted film into pressure contact to cause



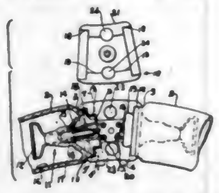
them to become permanently sealed to one another.

2,453,985
FLUID HEATER
Nelson G. Goreau, New Orleans, La.
Application June 19, 1945, Serial No. 600,365
6 Claims. (Cl. 122—250)



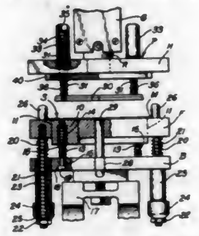
1. In combination with a fluid heater having a combustion chamber that is annular and generally of truncated cone in shape and a spiral coil having spaced convolutions, divides the chamber in a diagonal direction to form a diminishing inlet combustion chamber and an expanding outlet flue, and a fuel burner for projecting flame initially into said inlet chamber and then in succession between said spaced convolutions into said outlet flue.

2,453,986
CIRCULAR ELECTRIC LAMP
Alfred Greiner, Cleveland Heights, and August W. Seitz, Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application May 7, 1945, Serial No. 592,478
1 Claim. (Cl. 176—122)



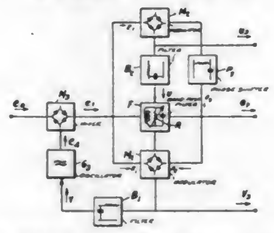
An electric lamp comprising a tubular envelope of non-linear configuration containing electric energy translation means and having its ends disposed in spaced opposed relation, sheet metal discs fused to the said ends of the envelope, at least one of said discs having lug means projecting outwardly therefrom, a cylindrical base member extending between and embracing the ends of said envelope around said discs and providing surfaces at its interior directly engaging said lug means to orient the base member in a predetermined position on said envelope, said base member carrying contact means electrically connected to the said electric energy translation means in said envelope.

2,453,987
APPARATUS FOR SHAPING AND FORMING LEATHER
Marty Green and Irving Sheroff, Brooklyn, N. Y.
Application June 11, 1946, Serial No. 676,059
6 Claims. (Cl. 69—8)



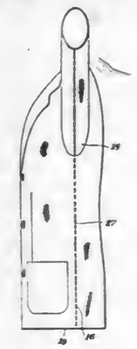
1. In an apparatus for shaping and folding non-metallic flexible stock, a base, a pad for supporting said stock and slidable relative to said base, a shaping frame normally spaced from said base and for supporting marginal portions of said stock and including an opening for slidably guiding said pad, a platen receivable in said opening for clamping said stock against said pad and for driving said marginal portions along the wall of said opening to lift said marginal portions relative to the body of said stock, a head normally spaced from said shaping frame and slidably carrying said platen and for driving the latter to depress said pad against said base, and means carried by said head for depressing said shaping frame relative to said pad when the latter is against said base and for folding said lifted marginal portions downwardly and against said stock.

2,453,988
AUTOMATIC FREQUENCY CONTROL
Gustav Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application February 26, 1944, Serial No. 524,080
In Switzerland July 10, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 10, 1962
18 Claims. (Cl. 250—20)



1. In a system for maintaining resonance between the natural frequency of a resonant network and the frequency of an alternating current wave, means comprising discriminating means for producing a control voltage varying in sense and magnitude according to the relative departure between the frequencies of said network and said wave, frequency control means operated by said control voltage and effective in restoring and maintaining resonance between the frequency of said network and said wave, means for producing a further control voltage varying in direct proportion to the absolute value of said frequency departure, and means for varying the effectiveness of said discriminating means in accordance with said further control voltage.

2,453,989
COAT
Leonard S. Guckert, Baltimore, Md., assignor to Mavest, Inc., New York, N. Y.
Application April 18, 1946, Serial No. 663,011
3 Claims. (Cl. 2—93)

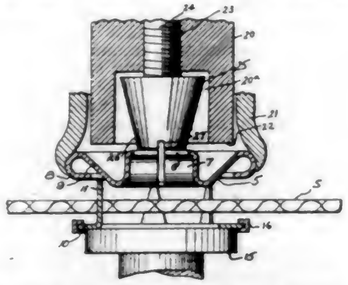


2. A coat comprising two coat fronts having each an inwardly curved side edge; a coat back composed of two back sections having each an inwardly curved side edge; side seams connecting said inwardly curved side edges of said coat back sections and said inwardly curved side edges of said coat fronts so that said coat is inwardly curved along both sides in the region of said side seams, said side seams extending from the armholes of said coat to the bottom edge thereof substantially along the central side lines of said coat extending from the undercenter points of said armholes to the hip line of the coat; one single relatively short front dart in each coat front extending substantially parallel to the corresponding side seam of said coat and the front edge of said coat front substantially parallel to said side seam and said front edge; and sleeves having underarm seams and sewn into said armholes of said coat in such a manner that said underarm seams extend from the edges of said sleeves to the undercenter points of said armholes meeting said inwardly curved side seams of said coat.

2,453,990
HOLDER FOR FASTENER ATTACHING MEANS
Walter I. Jones, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 26, 1946, Serial No. 643,814
1 Claim. (Cl. 218—6)

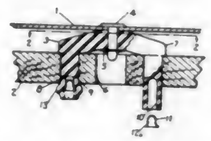
A snap fastener socket attaching means comprising a plunger having an annular portion at one end, a coaxial pin having a regular tapering frusto-conical head in combination with said plunger and extending with its small end beyond

said annular portion, and means for adjusting the position of said pin axially of said plunger



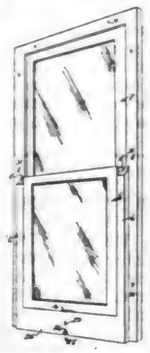
to selectively vary the plane of maximum diameter of said pin beyond the plane of the end of said annular portion.

2,453,991
RUBBER MOUNTING
Gustav H. Kaemmerling, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application December 11, 1944, Serial No. 567,547
6 Claims. (Cl. 248—22)



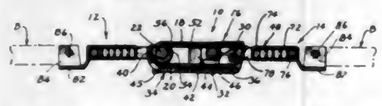
1. A mounting comprising a rubber arch having integral attaching arms at its ends and load attachment provisions at its center, said arms having hollow ends receivable in openings in a support, shoulders on the hollow ends for retaining the arms in the support, and retainers receivable in the hollow ends resisting collapse of the shoulders.

2,453,992
AUXILIARY FRAME AND SASH
John H. Kleintop, Emmaus, Pa.
Application October 20, 1943, Serial No. 507,047
8 Claims. (Cl. 160—182)



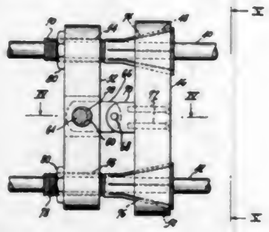
1. An auxiliary window frame unit comprising an auxiliary window frame of dimensions adapting it to fit a window frame, said auxiliary window frame having upper flanges and lower tracks along its sides and recesses across its upper and lower ends, the lower tracks being rearwardly offset with respect to the upper flanges and open at their upper ends, the upper flanges having shoulders at their lower ends, an upper sash fitting in the upper portion of said auxiliary window frame and having beads along its sides abutting the upper flanges and resting upon said shoulders, and a lower sash in the lower portion of said auxiliary window frame having beads along its sides engaged in the lower tracks and slidably mounting the lower sash for vertical shifting in said auxiliary window frame.

2,453,993
CONNECTOR FOR BRACELETS, WRIST WATCH STRAPS, ETC.
Jacques Kreisler, New Rochelle, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J.
Application March 16, 1945, Serial No. 583,156
6 Claims. (Cl. 24—233)



4. In a lock of the class described comprising a holding member adapted to have an attachable part removably connected therein, inner and outer locking members pivotally connected to said holding member and turnable from locking positions in which they overlie said attachable part to prevent disengagement thereof from said holding member, to retracted positions to permit engagement with or disengagement of said attachable part from said holding member, said holding member having a bottom, and a flat spring member positioned on said bottom and secured to one end of said holding member, said flat spring member having an end portion movable toward and away from said bottom and directly engageable with said inner and outer locking members simultaneously adjacent the pivots thereof for yieldingly holding said locking members in their locking and retracted positions, respectively.

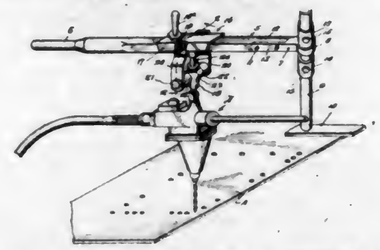
2,453,994
HIGH-FREQUENCY POWER OUTPUT CONTROL
Lester S. Lappin, Camden, and Richard P. Corporon, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 22, 1945, Serial No. 595,214
2 Claims. (Cl. 178—44)



1. A device for electrically connecting a pair of spaced parallel conductors at selectable points comprising a pair of collets having an axial aperture adapted to slidably receive said conductors

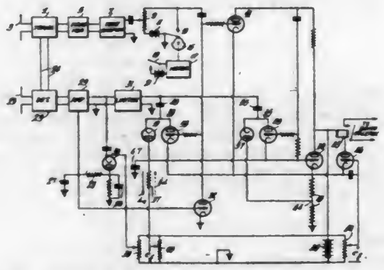
respectively, one end of each collet having spaced segments whose outer surfaces have a frusto-conical configuration; a shorting bar provided with a pair of frusto-conical apertures, the segmented ends of said collets lying within the apertures of said shorting bar; a control bar parallel to and spaced from said shorting bar and rigidly holding said collets in relatively fixed relation, a control shaft rotatably mounted in said control bar and containing an eccentric cam portion; and link means connecting said shorting bar and said control bar and movable in response to a rotation of said control shaft cam to vary the spacing between said bars.

2,453,995
PORTABLE PNEUMATIC DRILL SUPPORTING AND HANDLING RIG
Robert E. Lee, Bellflower, Calif., assignor to John Thomas, Norwalk, Calif.
Application June 9, 1945, Serial No. 598,553
2 Claims. (Cl. 77—59)



1. As a component part of the assemblage of the class described, an elongated channel-shaped clip embodying a horizontal web and vertical side flanges, an upstanding handle attached to and rising from one end portion of said web, said clip being adapted to be shiftably mounted on a horizontal supporting and maneuvering lever, hanger limbs adjustably and detachably connected to and depending from said side flanges, and means for adjustably supporting a conventional drill between the lower ends of said limbs, said means including a horizontal pin and an adjustable nut, said nut having a head adapted to ride and rest against the underside of the lever.

2,453,996
RADIO BOMB RELEASE SYSTEM
James H. Ludwig, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 24, 1944, Serial No. 546,269
4 Claims. (Cl. 343—7)



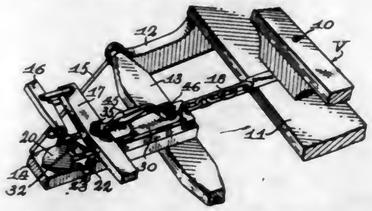
1. A system for preventing false operation of a radio bomb release system of the type including a frequency modulated transmitter, a receiver, and alternately operable differential counters connected to said receiver, including normally inoperative means for preventing operation of one of said counters, and means responsive to the amplitude of signals received by said receiver to operate said normally inoperative means upon decrease of said amplitude below a predetermined value.

2,453,997
FITTING FOR FLEXIBLE HOSE
Wallace MacWilliam, Lake Valhalla, N. J., assignor to Resistoflex Corporation, Belleville, N. J., a corporation of New York
Application May 2, 1946, Serial No. 666,645
8 Claims. (Cl. 285—84)



8. In a hose assembly of the type wherein a fitting is permanently secured to the end of the hose, said fitting comprising a shank inserted in the hose end and a ferrule radially compressed upon the outside of the hose end, the improvement which consists in forming said shank with a circumferential external recess intermediate its ends, a sleeve of extendable material at least as soft as the lining of the hose substantially filling and lying wholly within said recess prior to compression of said ferrule, said ferrule being radially compressed at least in the area overlying said sleeve, said sleeve being extended by said compression longitudinally of said shank.

2,453,998
DRAFT CONNECTOR
Joseph A. E. Madore, Montreal, Quebec, Canada
Application April 17, 1947, Serial No. 741,992
3 Claims. (Cl. 278—90)

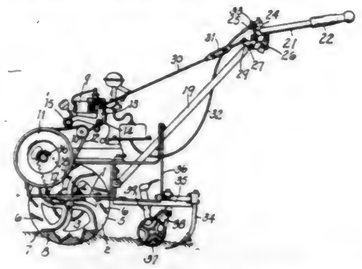


1. A traction device for vehicles having a draft pole, a doubletree and a frame, a slider movable longitudinally on the pole, a king pin secured to the slider, a bracket connecting the free end of this pin to the rear of the slider, said king pin receiving the doubletree, and a chain connecting the slider to the frame of the vehicle.

2,453,999
HANDLE BAR TRACTOR WHEEL DRIVE CONTROL
George Melling, Jackson, Mich.
Application December 29, 1945, Serial No. 638,236
15 Claims. (Cl. 180—19)

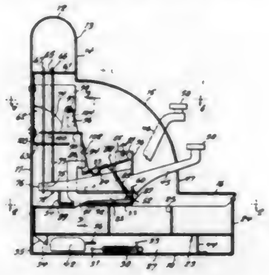
1. The combination in a tractor implement comprising a frame, a traction wheel, a motor and driving connections for the motor to the traction wheel including a belt and coacting belt tightener unit, of steering posts extending rearwardly from the frame, a cross piece on the rear ends of said steering posts, a U-shaped handle

bar, a cross bar to which the bight of said handle bar is fixedly connected, pairs of parallel links pivotally mounted on said cross piece and pivotally connected to said cross bar, the rear links being extended below the cross piece and pro-



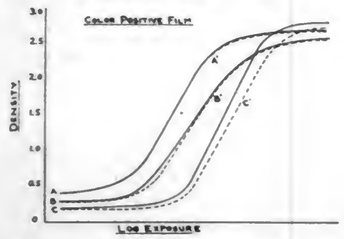
vided with a connecting stop member coacting with the cross piece to limit the rearward movement of the handle bar, one of the front pair of links being provided with an arm, and an adjustable link connecting said arm to said belt tightener unit.

2,454,000
CASH REGISTER
Stephen P. Midouhas, Bristol, Pa., assignor to Kemline Metal Products Company, Bristol, Pa., a corporation of Pennsylvania
Application February 4, 1948, Serial No. 6,262
2 Claims. (Cl. 235—25)



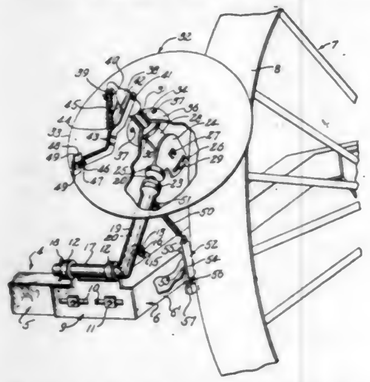
1. In a cash register, the combination of a housing, plural operating keys extending from the housing, a fixed frame member providing substantially centrally disposed fulcrums for the keys, plural designating plates mounted for vertical sliding movement and having vertically spaced slots and contacting the rear terminal of the keys and arranged to be raised thereby when the forward ends of the keys are depressed, a pivoted bail overlying the keys to the rear of the fulcrums and arranged to be raised by such keys, a second bail pivotally mounted at its upper end and arranged to swing forwardly and provided with rearwardly extending fingers, each of which is normally disposed in the upper slot in one plate when the latter is in lowered position and in the lower slot when the plate is in upper position to support such plate, a spring which urges the second bail rearwardly, an upwardly projecting cam element carried by the first bail and a laterally extending lug carried by the second bail and which normally overlies the cam element and is moved thereby to swing the second bail forwardly to disengage the fingers from the slots during travel of the plates.

2,454,001
CONTROL OF CONTRAST WITH AROMATIC DIAMINE COLOR DEVELOPERS
Fritz W. H. Mueller, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application November 8, 1945, Serial No. 627,329
4 Claims. (Cl. 95—88)



1. The process of preventing the formation of excessively contrasty dye images in the individual layers of a multi-layer color film containing silver-halide emulsions and color formers which comprises exposing the film and developing simultaneously all layers with a solution of an aromatic diamine developing agent containing a primary amino group and 5 to 15 grams per liter of said solution of a protein decomposition product of medium to high molecular weight substantially within the range of the molecular weights of lysalbinic acid and gelatose, the molecules of the said protein decomposition products being built up of at least five amino acids.

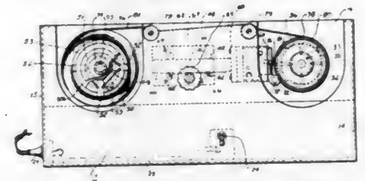
2,454,002
WHEEL SCRAPER
Nick A. Paluck, Belfield, N. Dak.
Application March 9, 1948, Serial No. 13,910
5 Claims. (Cl. 280—158)



2. A scraper for the rim of a wheel of an implement having a frame positioned alongside of the wheel, said scraper comprising a mounting bracket adapted to be secured to said frame and having transversely-aligned horizontal bearing means, a vertical tubular scraper arm having a lateral stub axle journaled in said horizontal bearing means, a shank in the upper end of said tubular scraper arm, means for locking said shank in a desired longitudinally and rotatably adjusted position in said tubular scraper arm, a bracket on the upper end of said shank, a vertical spindle pivoted to said bracket on a horizontal transverse axis, means for locking said spindle in

a desired pivoted relation to said bracket, a scraper disk rotatably mounted on said spindle having a side portion thereof overlying the wheel rim in scraping relation thereto, a spring pressed auxiliary scraper mounted on said spindle having a scraper blade in contact with the edge portion of said scraper disk and operating to scrape the said scraper disk as the scraper disk is rotated by contact with the wheel rim or with accumulations on said wheel rim.

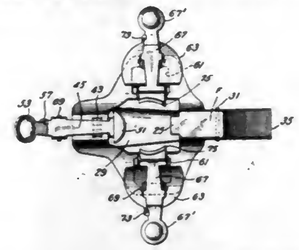
2,454,003
TAPE SLITTING MACHINE
Leon Edward Pamphilon, Yeadon, Pa., assignor to Airdesign, Incorporated, Upper Darby, Pa., a corporation of Pennsylvania
Application August 26, 1946, Serial No. 692,975
8 Claims. (Cl. 164—39)



1. A tape slitting machine having a pair of side members, a pair of end members connecting the side members and forming a rectangular housing, a partition extending lengthwise in the housing, a jack shaft mounted on the partition and one side of the housing, a take-up shaft mounted on the partition and one side of the housing, bearings for the jack shaft and take-up shaft, gears for driving the take-up shaft from the jack shaft, means including an electric motor for driving the jack shaft, a shank on the take-up shaft having a substantially square cross section, a collar surrounding said shank, a plurality of convex segments surrounding the collar and having ends extending through the collar to abut the sides of the shank, a resilient sleeve encircling the segments and compressing them radially inwards; a feed shaft journaled in the partition and a side member, a flange mounted on the feed shaft, a second flange mounted on the feed shaft, said second flange carrying a plurality of radially extendible pawls, means for extending and retracting said pawls; a cutting head slidably movable with respect to the take-up mandrel, guide means supported between the partition and a side member for the cutting head, means including a rack and pinion for moving the cutting head in the guide members, a spacer bar on the cutting head adapted to abut a layer of tape being wound on the take-up mandrel, a plurality of knife holders on the cutting head, means for locking the knife holders in any desired position on the cutting head, a knife blade in the knife holders having its cutting edge extending downwardly from the knife holder, and a pair of rollers positioned between the partition and a side member for guiding and tensioning the tape as it is fed from the feed mandrel onto the take-up mandrel.

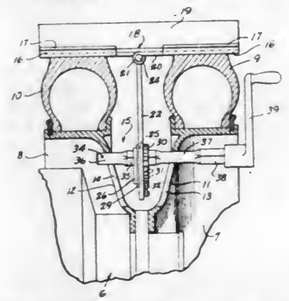
2,454,004
NAIL POLISH MASK
Norman D. Pettyjohn, Binghamton, N. Y.
Application October 22, 1946, Serial No. 704,818
12 Claims. (Cl. 132—88.5)

1. An adjustable finger mask comprising, in combination, a frame involving provision for supporting a finger of a user in a predetermined longitudinal relationship therewith, levers situated at respective sides of said frame, a lever disposed substantially longitudinally of said frame, masking structure attached to said levers, said structure suited for application to cuticle surrounding



a finger nail, and mountings attached to said frame and individual to said levers, said mountings formed and arranged for enabling respectively associated levers to cooperate in effecting various placements of said structure in conformity with cuticle adjacent finger nails of a desired variety of shapes and sizes.

2,454,005
TRACTION INCREASING DEVICE FOR DUAL WHEEL VEHICLES
Earnest P. Pletch, Frankfort, Ind.
Application December 9, 1947, Serial No. 790,639
4 Claims. (Cl. 152—220)

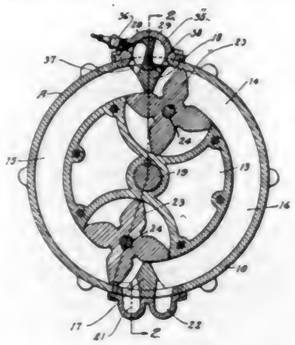


1. A traction increasing device for dual wheels including opposed wheel sections having tires mounted thereon, the device comprising spaced shoes to engage upon the tire treads, a traction bar secured to the shoes and projecting generally radially from the tires, a tension member connected to the traction bar and projecting between the wheel sections, a rotatable element carried by the tension member and having an eccentric opening, a detachable member adapted to be inserted in the eccentric opening and to engage the wheel sections, and means to turn the detachable member.

2,454,006
INTERNAL-COMBUSTION ROTARY MOTOR
Carl E. Plummer, Tulsa, Okla.
Application June 4, 1945, Serial No. 597,548
1 Claim. (Cl. 123—8)

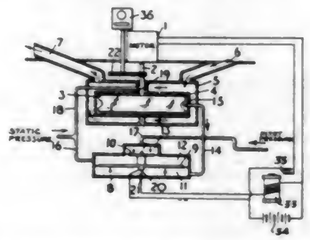
A motor of the kind described comprising a circular casing having diametrically opposed abutments therein to form opposed chambers having power firing and exhaust, compression and intake zones in the chambers at opposite sides of the abutment said power firing and ex-

haust zone being to the left of the abutments, and said compression and intake zone being to the right of the abutments, a rotor within the casing and having spider type power bladed rotatable vanes adapted to be tripped by said abutments, intake and exhaust leads to and from the respective zones in said chambers, a timing ring fixed in said casing, tripping wheels for the said



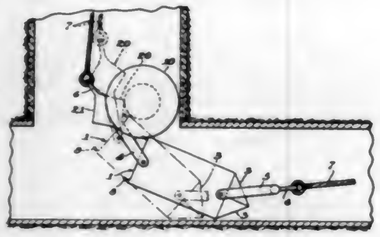
bladed vanes and controlled by said timing ring, a combined firing and compression cylinder fitted to the casing and having firing and compression cavities therein for communication with the compression zone, and the firing zone, a timing ring on the rotor, a trip operating said firing and compression cylinder and controlled by said last mentioned ring, and ignition means for the firing and compression cylinder.

2,454,007
NAVIGATIONAL INSTRUMENT
Hugh Lambert Reilly, Frank Herbert Scrimshaw, and Arthur George Bone, Farnborough, England, assignors to Henry Hughes and Son Limited, Barkingside, England
Application May 24, 1945, Serial No. 595,634
In Great Britain May 26, 1944
7 Claims. (Cl. 73—183)



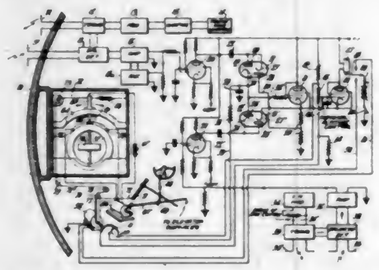
1. An instrument for determining movement of an aircraft relative to the surrounding air comprising a rotary fan, means on said fan for increasing its effective radius with rotational speed, a fan chamber having an air inlet near the hub of the fan, a pressure responsive system, means for communicating the pressure at the periphery of said fan to one side of the said system, means for communicating pitot pressure to the opposite side of said system, a motor for driving said fan, means comprising contacts actuated by said system for controlling the speed of the motor and a device driven by said fan for registering movement of the aircraft relative to the surrounding air.

2,454,008
SEWER CLEANING BUCKET FOR PASSING AROUND SHEAVES
Lawrence R. Robinson, Mount Lebanon, Kyle I. Robinson, Glenshaw, Earl O. Berger, Bellevue, and Walter S. Lang, Pittsburgh, Pa., assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1947, Serial No. 725,586
3 Claims. (Cl. 15—104.30)



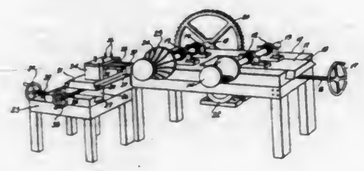
1. A sewer cleaner comprising a bucket, a bail pivotally connected to the bucket and adapted to be connected to a cable for dragging the bucket through a sewer and up around a sheave into a manhole, and a pair of plates each having its forward edge connected to the central portion of the bail and the outer ends of its rear edge adjoining the bail, said rear edge curving outwardly between said outer ends, and said plates being adapted to engage the sheave and push the bail away from it and to provide a fulcrum while the bail is circumventing the sheave, whereby upward pull of the cable causes the bail to rock like a lever on said fulcrum so that the rear end of the bail will depress the front end of the bucket and prevent it from catching on the sheave.

2,454,009
RADAR CONTROL SYSTEM
Royden C. Sanders, Jr., Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1944, Serial No. 542,989
4 Claims. (Cl. 343—7)



4. A control system installed in a dirigible airborne device for guiding it along a predetermined glide path, said system comprising distance measuring means which includes a frequency counter for producing an electrical quantity that is a predetermined function of the distance to said target, altitude measuring means which includes a second frequency counter for producing a second electrical quantity that is a predetermined function of the altitude of said device, said two counters being connected in differential relation to obtain a differential counter output, and a control circuit responsive to said differential output for causing said air-borne device to follow said glide path.

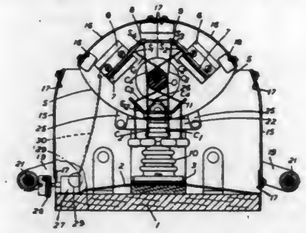
2,454,010
WIRE CORE EXTRACTING MACHINE
Enrique Sauto y Hurtado de Saracho, Mexico City, Mexico
Application December 19, 1944, Serial No. 568,924
In Mexico January 21, 1944
3 Claims. (Cl. 164—39)



1. Apparatus for the extraction of ring-like wire cores from their surrounding bodies comprising a support table, a movable carriage, a pulley rotatably supported on said carriage, means for moving said carriage reciprocally on said support table, a second pulley, means for supporting said second pulley, toothed means on said second pulley, means for rotating said second pulley, a second support table having a guideway, a reciprocally movable carriage slidable in said last-named guideway, means for reciprocally moving said last-named carriage, said last-named carriage being movable in a direction parallel with that of said first-named carriage, said second-named carriage having a guideway, a third carriage slidably supported in said last-named guideway and movable reciprocally therein in a direction transverse to the direction of motion of said first and second-named carriages, a tool support carried by said third-named carriage, and cutting means mounted from said tool support, the said ring-like cores and surrounding bodies being mountable over said pulleys and moved thereby when tensioned by movement of said first-named pulley on its carriage away from said second-named pulley and when said second-named pulley is driven, and said cutting means being adjustable both as to position relative to said so mounted ring-like cores and bodies and as to depth of cut into said bodies by appropriate movement of said second and third-named carriages.

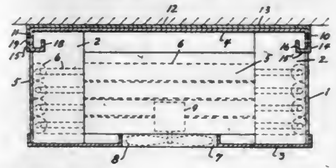
2,454,011
SPARK TESTING APPARATUS FOR INSULATED ELECTRIC CABLES AND WIRE
John Henry Savage, Welling, England, assignor to W. T. Henley's Telegraph Works Company Limited, Dorking, England, a British company
Application May 2, 1945, Serial No. 591,517
In Great Britain May 10, 1944
12 Claims. (Cl. 175—183)

1. An electrode for apparatus for spark testing electric cable when placed within the electrode, said electrode comprising a series of electrically inner-connected chains forming a flexible curtain surrounding and conforming to the shape of a cable in position for testing, said chains extending transversely of the direction of run of the cable along the axis of the electrode and being set in sequence along this direction forming a conductor distributed around said axis, means for supporting each of said chains at one end and



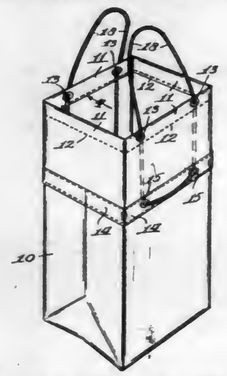
means for tensioning each of said chains at the other end.

2,454,012
SUSPENSION MEANS FOR COOLING UNITS
Edward Oneal Sears, Oakland, Calif., assignor to Colvin-Templeton, Inc., Oakland, Calif., a corporation of California
Application January 12, 1945, Serial No. 572,544
6 Claims. (Cl. 248—311)



1. Means for suspending a cooling unit from a ceiling comprising a member adapted for securing to the ceiling and having a pair of downwardly projecting flanges, with a ledge on one of the flanges, and a pair of vertical rails on the cooling unit spaced to fit between the flanges in face-to-face relation therewith, whereby the cooling unit may be raised in tilted position for engagement of one of the rails over the ledge and may then be swung into horizontal position for bringing both rails into face-to-face relation with the flanges.

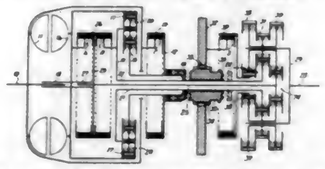
2,454,013
SHOPPING BAG WITH FOLDABLE, EXTENSIBLE TOP
Frank F. Scherzinger, Henderson, Nev.
Application March 14, 1945, Serial No. 582,616
1 Claim. (Cl. 150—1.7)



A foldable, extensible top shopping bag, having predetermined portions of its walls at the top

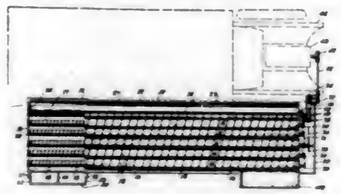
adapted to fold inwardly and downwardly into the bag, pairs of opposed grommets seated in the upper portions of the side walls of said bag, other pairs of opposed grommets seated in said side walls below the foldable portions thereof and in vertical alignment with the grommets in the upper portions of said side walls, an endless flexible handle arranged to slide freely through the grommets in each side wall with portions of said handles disposed on the insides of the foldable upper portions of said side walls, with portions of said handles between the lower pairs of grommets disposed on the exterior of the bag and stops on those portions of the handles on the inside of said side walls between the grommets.

2,454,014
TRANSMISSION
Frederick W. Seybold, Westfield, N. J.
Application February 21, 1945, Serial No. 579,052
27 Claims. (Cl. 74—189.5)



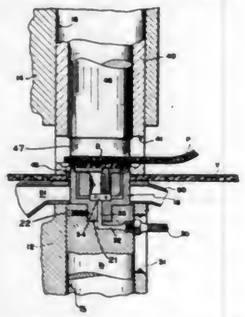
1. A variable speed transmission comprising in combination, a drive shaft, a driven shaft, a hydraulic coupling, one element of which is connected to the drive shaft, an internal gear connected to the other element of the coupling, a first reaction member including a sun gear and brake means therefor, a first planet pinion carrier, planet pinions on said carrier meshing with said internal gear and said sun gear, a pinion integral with said carrier, a feed-back pinion, clutch means for connecting the internal gear and the feed-back pinion, a second reaction member including a sun gear and brake means therefor, a second planet pinion carrier connected to the driven shaft, compound planet pinions on said second carrier meshing with said first pinion, said feed-back pinion and the sun gear of the second reaction member, stationary brake means co-operating with the brake means of the first reaction member to prevent the rotation of the sun gear in a direction opposite to that of the drive shaft and thereby cause the transmission to operate in a low gear ratio when the feed-back pinion is clutched to the internal gear.

2,454,015
ONION GRADING ROLLERS
Richard D. Sheppard, Bridgeton, N. J.
Application April 22, 1944, Serial No. 532,329
1 Claim. (Cl. 15—3.11)



Onion cleaning and grading apparatus comprising in combination: a set of elongated cleaning and grading rollers for receiving onions to be cleaned, graded and sacked at one end and for delivering said onions in a clean state and in separate streams according to size at the other end, said rollers being supported for rotation on their respective lengthwise axes, the respective rotational axes of said rollers paralleling each other in a common plane which plane is inclined upwardly both from the receiving end to the delivery end of said set and transversely of the rotational axes of said rollers, each said roller comprising a body member of cylindrical contour having a rope wound spirally thereon from end to end for rubbing, tumbling and abrading the onions, each body member being spaced from the adjacent body member throughout the major portion of its length by substantially only the diameter of said rope thereby to form a cleaning section, each said body member additionally being of reduced diameter over the rest of its length thereby to form a sorting or grading section and the ropes on said body members being wound in the same direction with each rope having each turn equally spaced from the next by a determined amount over the entire length of the cleaning section and by a lesser equal amount over the length of the grading section; and, means for mechanically coupling said rollers for simultaneous rotation in the same direction at the same speed.

2,454,016
ART OF INLAYING SHEET MATERIAL
Per F. Skoog, Olympia, Wash.
Application April 28, 1945, Serial No. 590,929
2 Claims. (Cl. 154—104)

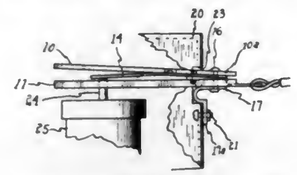


1. In the art of patching veneer, the method, comprising: perforating said veneer at the point to be patched to provide an opening having walls perpendicular to the faces of said veneer, unidirectionally wiping a coating of adhesive under substantial pressure on the walls of said opening in a motion withdrawing from one edge of the opening to the other, simultaneously therewith inserting a patch piece equal in size and shape to said opening thereinto by causing the same to move and follow in the same direction the wiping application of the adhesive coating in immediate sequence, and terminating said movement of the patch piece when the same is in substantial alignment with at least one face of the sheet material surrounding said opening.

2,454,017
SOCKET FOR FLUORESCENT TUBES
Carl Edward Swanson, Chicago, Ill.
Application May 9, 1946, Serial No. 668,604
4 Claims. (Cl. 173—328)

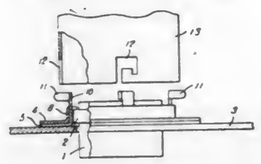
1. In a socket for fluorescent tubes; a body composed of two substantially adjacent plates

of non-conductive material, one of said plates being apertured; a flexible metal mounting bracket of angular section; means securing said plates and said bracket together; and a pair of spaced elongated flexible metal contacting members between said plates and having portions thereof accessible through said apertures of one



of said plates, said contacting members projecting beyond the rear edges of said plates to provide for electrically connecting same to a power source, said contacting members being bent, the pressure of the adjacent plates against said bent contacting members causing said members to be flexed.

2,454,018
HOLDER FOR THERMIONIC VALVES AND OTHER ELECTRICAL DEVICES
George Wagstaff, Long Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass.
Application February 1, 1945, Serial No. 575,718
In Great Britain April 27, 1944
5 Claims. (Cl. 174—35)

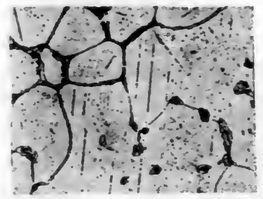


1. A saddle or like member for mounting a holder for an electrical device on a supporting panel, said saddle comprising a pair of apertured plates in superposed relation, one of said plates having an upstanding portion providing a lug element extending in a plane generally parallel to said plate for engaging one side of said holder, and the other of said plates having means for engagement with a side of said holder opposite said one side and having an integral upstanding element providing an arm element adjacent its free end for fastener engagement with a shielding device adapted to be secured to said saddle in position to screen said device.

2,454,019
PURIFICATION OF HETEROCYCLIC NITROGEN COMPOUNDS
John Wesley Waldron, Muncie, Ind., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 27, 1943, Serial No. 473,758
7 Claims. (Cl. 260—290)

6. In a process for improving the odor and color stability of a crude pyridine free of tar acids and made by high temperature carbonization of coal, the steps which comprise mixing the crude base with aqueous caustic alkali solution, refluxing the mixture, separating the nitrogen base from the spent caustic solution, dehydrating and fractionally distilling the thus purified nitrogen base to recover a pyridine fraction of good odor and improved color stability.

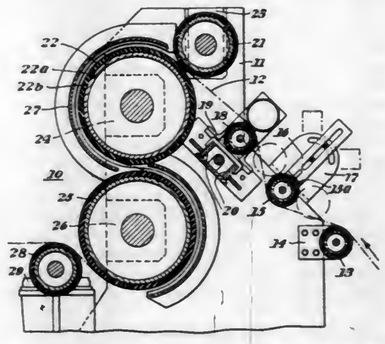
2,454,020
FERROCHROME PROCESS AND PRODUCT
Lee F. Weitzenkorn, Dundalk, and George N. Goller, Baltimore, Md., assignors to Armco Steel Corporation, a corporation of Ohio
Continuation of application Serial No. 511,864, November 26, 1943. This application September 16, 1946, Serial No. 697,232
4 Claims. (Cl. 75—176)



M.L. 34233 Mag. 100X
Structure at Center of Lump of Nitrided Low Carbon Ferrochromium; Nitrogen Penetration to Center is Indicated by the Presence of the Large and Small Needles

4. A pre-alloy for introducing nitrogen in producing high-nitrogen stainless steel, comprising an iron-chromium alloy of low carbon content in the form of nitrided lumps of about one-inch size and containing about 70% chromium and having nitrogen distributed thruout the same in the form of nitride needles to an average nitrogen content of 0.7% to 2.0% or more.

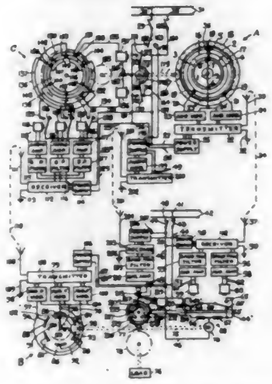
2,454,021
APPARATUS FOR TENSIONING STRIP MATERIAL
Abram B. Wilson, Hollidays Cove, W. Va., assignor to National Steel Corporation, a corporation of Delaware
Application September 7, 1944, Serial No. 552,974
5 Claims. (Cl. 271—2.3)



3. In metal strip processing apparatus in which metal strip is drawn lengthwise through substantial distances and tends to weave from side to side, means for controlling the movement of the strip through the apparatus and counteracting said tendency and insuring proper tracking of the strip, said means comprising a roll, means for guiding the strip as it moves through the apparatus so that it passes about and in contact with

a substantial portion of the periphery of said roll, a pressure roll cooperating with said first mentioned roll to grip the strip, said rolls being cooperatively contoured so that the strip is gripped therebetween with greater pressure adjacent the center of the strip than adjacent the edges of the strip, and means independent of the strip for controlling rotation of at least one of said rolls.

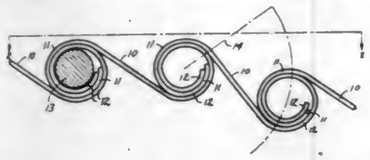
2,454,022
RADIO REMOTE-CONTROL APPARATUS
Michel N. Yardeny, New York, N. Y.
Application February 9, 1945, Serial No. 576,919
10 Claims. (Cl. 250—2)



10. In a remote control system controlled from a control point to move a load at a remote point to any desired end position, in combination, instrumentalities including a radio transmitter at the control point adapted to radiate waves having selected characteristics modified depending upon the desired load movement, a motor at the remote point for moving the load, instrumentalities including a radio receiver at the remote point adapted to pick up the radiated waves and move the load motor in accordance with the said wave modification at the control point, instrumentalities including a movable control device operatively connected with the load motor and also including a radio transmitter at the remote point adapted to radiate waves having characteristics different from that radiated by the said transmitter at the control point as modified by the movable device in dependence on the said load movement, and instrumentalities including a control motor operatively connected with the first instrumentalities and also including a radio receiver at the control point adapted to pick up the waves radiated by the transmitter at the remote point to control the control motor for coordinating the first instrumentalities at the control point with the load at the remote point in accordance with the said wave modification at the remote point.

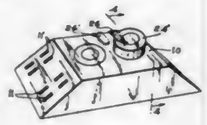
2,454,023
CONVEYER
Lewis C. Zimmermann, Youngstown, Ohio
Application March 23, 1945, Serial No. 584,423
1 Claim. (Cl. 198—193)

In a conveyor, an assembly of interconnected conveyor links each of which consists of a straight section of strip stock material having one end formed in an upturned overlapping spiral of decreasing size and the other end formed in a downturned spiral of decreasing size and forming about 315 degrees of a circle, the said downturned spiral being relatively larger than the said upturned



spiral and adapted, in said conveyor assembly, to partly overlie the said upturned spiral formation of an adjacent interconnected link and to extend into the said overlapping spiral thereof.

2,454,024
COMBINATION ELECTRIC RECEPTACLE AND FUSE
Peter Alemaghides, Brooklyn, N. Y.
Application April 18, 1947, Serial No. 742,428
1 Claim. (Cl. 200—115.5)

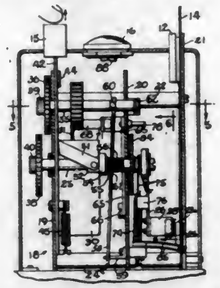


A device of the character described comprising a housing, a plurality of outlet branches mounted in the housing, a screw-type fuse mounted in the housing, a plug connection mounted in the housing and electrical wiring interconnecting the plug, fuse and outlet branches, a duplicate screw-type fuse having a flanged outer end, said fuse being mounted in the housing, means for normally holding the duplicate fuse out of contact with the electrical wiring and means for cutting said duplicate fuse into contact with the electrical wiring, said means comprising wiring adapted to connect both fuses and a resilient member secured to said housing, said resilient member having a free end portion spaced from said housing, an elongated element having a pair of ends, one of said ends being normally releasably secured between said free end of said resilient member and said housing, the other of said ends being releasably secured between said flange and said housing.

2,454,025
JOB ELAPSED TIME RECORDER
Adolph Amend, Jr., Harrington Park, and George C. Engel, Ridgewood, N. J., assignors to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application November 27, 1946, Serial No. 712,526
12 Claims. (Cl. 346—95)

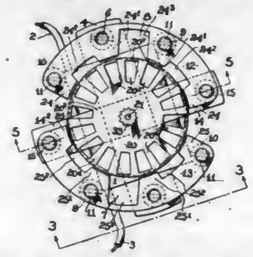
1. In a job time recorder the combination comprising a receptacle for a record card, a printing arm mounted for movement adjacent a card inserted in said receptacle and having a printing stylus thereon, a timing motor, a pair of gears coupling said timing motor and said printing arm to move said stylus progressively from an initial position upon the passage of time, means biasing said stylus toward said initial position, a manually movable member arranged to be operated upon the completion of a particular job, and means actuated by said manually movable member for

bringing said stylus and said card into marking engagement and for unmeshing said gears so that



said printing arm may return to the initial position under the influence of the biasing means.

2,454,026
SYNCHRONOUS ELECTRIC MOTOR
Emra D. Bacon, Cleveland, Ohio
Application October 30, 1946, Serial No. 706,740
15 Claims. (Cl. 172—278)

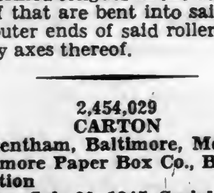


1. A self-starting synchronous electric motor having a rotor formed to provide symmetrically-arranged alternate polar areas and hysteresis areas, a divided-ring stator having polar projections concentric with, surrounding and closely adjacent the rim of the rotor, non-magnetic means supported on the stator parts, an energizing coil including a laminated core, auxiliary pole pieces secured to and adjacent the ends of the core, the stator parts being mounted on the auxiliary pole pieces, and diametrically opposed shading means and alternate diametrically opposed non-shading means forming the mounting means and spacing the stator parts from the auxiliary pole pieces.

10. A rotor for self-starting synchronous electric motors comprising a disc, a bearing housing extended through the disc and having a press-fit therein and centrally thereof, bearings having a press-fit in the housing, a pin secured at one end and journaled in the bearings, and a hub having a press-fit in the housing, the hub exteriorly of the housing having a peripheral portion thereof of pinion formation, the opposite end of the pin extending into the hub.

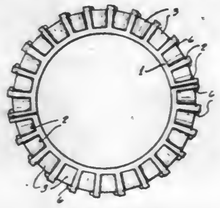
2,454,027
DOUBLE-ACTING WRENCH FOR FLANGES
Daniel Baeza, Brooklyn, N. Y.
Application August 18, 1944, Serial No. 550,049
2 Claims. (Cl. 81—55)

1. A double acting wrench for flanges, comprising a jaw-shaped member having top and bottom arms connected with a vertical back, a bottom socket for engaging one end of a bolt or nut of a flange and fixedly mounted on said bottom arm, a top socket for engaging the other end of said bolt or nut and slidably and turnably mounted through said top arm, a pressure arm slidably mounted on said vertical back and engaging said top socket for urging said top socket downwards, a spring coaxially mounted on said



vertical back and urging said pressure arm and said bottom arm towards each other, and means for locking said pressure arm in various positions on said vertical back, and including a bushing threadedly mounted upon said pressure arm coaxially of said rod and having a tapered portion engaging a complementary tapered portion on said pressure arm.

2,454,028
SELF-CONTAINED ROLLER-BEARING CAGE
John B. Baker and Harold D. Stover, Canton, Ohio, assignors to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application December 22, 1945, Serial No. 636,960
3 Claims. (Cl. 301—235)

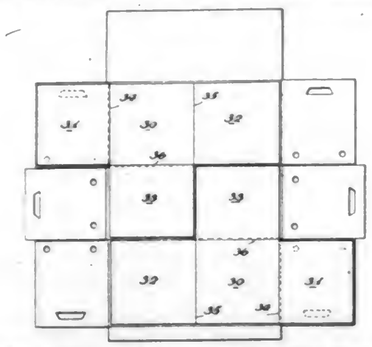


1. A self-contained roller bearing cage and a roller unit comprising an annular cage member with an annular series of pockets leading inwardly from the outer peripheral edge of said cage member, and rollers positioned in said pockets with their outer ends terminating short of the outer ends thereof, said annular cage member having preformed tongues in the outer peripheral edge thereof that are bent into said pockets and across the outer ends of said rollers in the plane of the rotary axes thereof.

2,454,029
CARTON
Albert E. Bentham, Baltimore, Md., assignor to The Baltimore Paper Box Co., Baltimore, Md., a corporation
Application July 21, 1945, Serial No. 606,443
1 Claim. (Cl. 229—23)

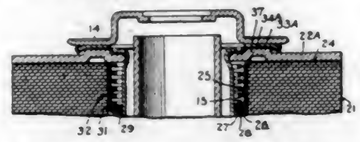
A knock-down fiberboard carton ensemble, comprising a main blank provided with spaced transverse score lines dividing it into a top portion, opposite side portions and a bottom portion, the main blank having other score lines to provide an end portion at each end of each side portion and the bottom portion, overlapping substantially T-shaped partition members super-

posed on the main blank in non-registering relation, each partition member including a body portion overlying a side portion and from which three wings extend, one of the extending wings of each partition overlying the bottom portion and



another wing of each partition being secured to one of the side portions in the main blank, each partition being provided with score lines to allow the wings to be folded into positions at right angles to the body portion.

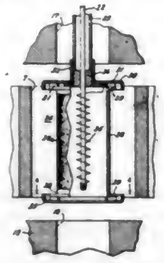
2,454,030
FILTER
Jay M. Besore, Chevy Chase, Md., assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md., a corporation of Maryland
Application September 27, 1944, Serial No. 556,009
7 Claims. (Cl. 285—1)



1. A gasket to prevent the flow of liquid between a first member and a second member from a body of liquid to which the members are exposed, comprising a strip of resilient material secured at one point to the first member and extending toward the liquid body, said strip throughout a substantial portion of its extension being unattached to the first member and normally being adapted to flex away therefrom, and a gasket material lying upon and secured to the unattached portion of the strip between the two members.

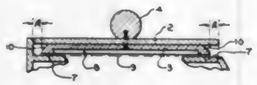
2,454,031
ELECTRIC DISCHARGE DEVICE OF THE MAGNETRON TYPE
Ralph J. Bondley, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 29, 1944, Serial No. 547,155
4 Claims. (Cl. 315—40)

1. An electric discharge device of the magnetron type including an anode structure having an opening therein, a cathode mounted within said opening, magnetic means electrically connected to said structure including a pole face adjacent said opening for producing a magnetic field in the space between said anode structure and said cathode, a metallic shield of material which is a poor electron emitter and having a blackened surface which enhances thermal radiation, said shield being positioned transversely with respect to a path of electrons leaving said opening and conductively connected to said cath-



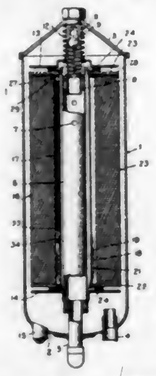
ode, said shield having a flanged portion extending from its periphery in a direction toward said cathode whereby voltage gradients in the vicinity of the periphery of said shield are minimized.

2,454,032
PHOTOGRAPHIC BORDER DEVICE
William A. Boulais, Jr., Jersey City, N. J.
Application October 29, 1947, Serial No. 782,787
3 Claims. (Cl. 88—24)



1. In a mask for forming a white border on sensitized color photographic emulsion of the reversal type, a photographic easel, upwardly extending lips on said easel, a sheet of clear transparent material adapted to cover said easel inside said lips, means to attach an opaque member to said sheet, said opaque member having a sharp photographic border edge for engaging the sensitized sheet between its periphery and the edge of said sheet.

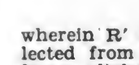
2,454,033
FILTER
Southwick W. Briggs, Washington, D. C.
Application August 12, 1944, Serial No. 549,242
6 Claims. (Cl. 210—187)



1. In a fluid filter device, a filter cartridge comprising a tube, a disc-like plate secured to each end of the tube, a third disc-like plate intermediate the end plates slidable upon the tube in a fluid tight fit, a cylindrical mass of filtering material intermediate one of the end plates and the slidable plate, tension means tending to urge the floating plate against the cylinder, the inner periphery of said filter mass being spaced from the tube, and a hole in the tube located adjacent the end plate engaged by the filter mass.

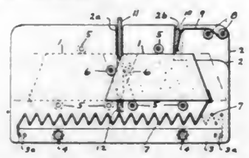
2,454,034
PROCESS FOR PREPARING SULFURIZED LUBRICATING COMPOSITION
Dayton P. Clark, Jr., Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application July 20, 1945, Serial No. 606,271
3 Claims. (Cl. 260—399)

1. A process of preparing a sulfurized oil which comprises reacting sulfur with oil in the presence of a catalyst having the general formula



wherein R′ and R″ represent substituents selected from the class consisting of hydrogen, lower aliphatic radicals and monocyclic aromatic radicals and AR is a benzene ring with a lower alkoxy or monocyclic aryloxy group attached to the ortho or para position.

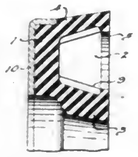
2,454,035
KNIFE AND SCISSORS SHARPENING DEVICE
Earl W. Clark, Stuart, Fla.
Application April 4, 1946, Serial No. 659,493
6 Claims. (Cl. 51—214)



1. In a knife sharpener: a frame comprising a base having a plurality of upwardly extending portions, said upwardly extending portions having transversely aligned vertical knife guiding slots; a plurality of abrasive members disposed between adjacent pairs of said portions, said members having guiding surfaces and inclined abrasive ends, and adjacent members disposed respectively with their abrasive ends in opposite oblique relation to the guide slots and in planes which intersect at the plane of said slots; a plurality of rollers pivotally journaled in and between adjacent pairs of said portions and said rollers disposed to contact the guiding surfaces of said abrasive members to form roller supports and guides for said abrasive members for reciprocating movement thereon.

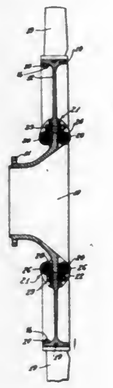
2,454,036
FLUID SEAL FOR SHAFTS
Howard Clayton-Wright, Stratford-on-Avon, England, assignor to Simpson Catherwood Leonard, Detroit, Mich.
Application January 31, 1945, Serial No. 575,380
In Great Britain May 16, 1944
2 Claims. (Cl. 288—3)

1. A packing ring which is fixed between a stationary member and a rotating member, comprising an annular ring of rubber or rubber like material having an annular groove in one face, annular sealing lips on the inner and outer periphery of the ring formed by the sides of the said groove, a series of independent springs arranged at intervals in the said groove and trans-



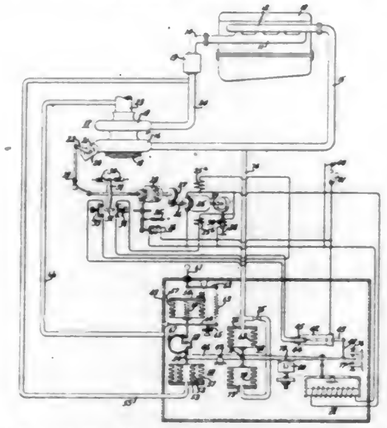
versely thereof for pressing each lip outwardly, each spring comprising a plate spring having an arm bearing against each sealing lip, and partitions provided in the said annular groove to circumferentially position the springs and an annular inturned spring positioning rib around each sealing lip.

2,454,037
ENGINE COOLING FAN
Gilmoure N. Cole, Manchester, and Chester R. Wells, Rocky Hill, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 29, 1944, Serial No. 551,678
4 Claims. (Cl. 170—177)



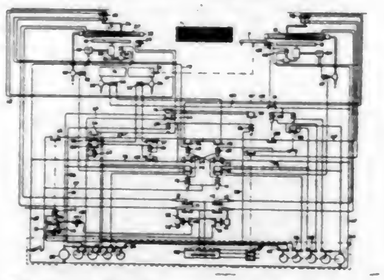
1. A blower including a hub and fan blades, said hub comprising an inner hub member adapted to be driven by a source of power, an outer hub member carrying said fan blades, said inner hub member having a substantially radially extending flange, said outer hub member having an inwardly extending portion mechanically engaging and cooperating with said flange so as positively to prevent relative radial movement therebetween, resilient connections between said inner and outer hub members, each including a cylinder carried by said outer hub member, a cylindrical bushing of resilient material in said cylinder, and a rod in said cylindrical bushing having its ends projecting beyond said bushing and secured to said inner hub member, each of said cylindrical bushings and its associated rod being arranged with a common axis tangential with the axis of rotation of said hub members.

2,454,038
CONTROL SYSTEM FOR AIRCRAFT TURBOSUPERCHARGERS
Frederick E. Crever, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 14, 1942, Serial No. 461,969
11 Claims. (Cl. 230—114)



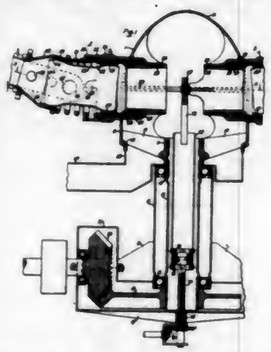
1. In combination, a turbine driven compressor actuated by exhaust gases, valve means for regulating the flow of exhaust gases to the turbine, means responsive to the pressure of the air discharged from the compressor for positioning said valve means to maintain the pressure of the air from said compressor at a constant value over a predetermined range of operation, and means responsive to the rate of change of pressure of said exhaust gases in the turbine for modifying the effective action of said last mentioned means to prevent hunting.

2,454,039
HIGH-FREQUENCY INDUCTION HEATING APPARATUS
Ralph E. Cox, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 28, 1947, Serial No. 757,884
10 Claims. (Cl. 219—47)



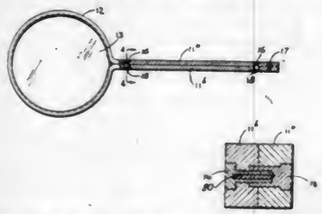
1. Electric high frequency heating apparatus comprising a supporting structure, two upwardly movable work supports mounted on said structure in spaced relation with each other, article holding means for securing a plurality of articles to be heated in substantially vertical stacked relation midway between said work supports and arranged to provide for downward feeding movement of the stack of articles, a pusher movable between said work supports from one side to the other of said article holding means to engage and move the then lowermost one of said articles alternately onto said work supports, operating means for said pusher, high frequency electric heating means mounted above each of said work supports, operating means for elevating each of said work supports to bring an article into heating relation with its heating means, current supply means for said heating means, and switching means for connecting said current supply means to one or the other of said heating means.

2,454,040
AIRCRAFT PROPELLER
William Dalton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 7, 1944, Serial No. 543,771
17 Claims. (Cl. 170—135.6)



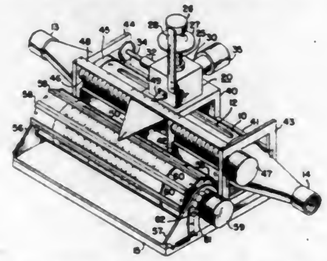
16. An aircraft propeller blade having, in combination, a pair of spaced apart longitudinal blade tension beams, articulate pivotal and rotational blade pitch control means at the inner ends of said beams including a separate pivot pin for each beam and a rotatable blade pitch control shaft having means for removably mounting said pivot pins in alignment, and a blade surface envelope substantially enclosing said beams and secured thereto.

2,454,041
REINFORCED PLASTIC SECURING MEANS IN A FRAME FOR INTERCHANGEABLE HAND MIRRORS
Attilio De Meo, New York, N. Y.
Application December 8, 1945, Serial No. 633,583
2 Claims. (Cl. 88—101)



1. In an article of the class described having a split frame encircling a viewing member and continuing on opposite sides of the split into parallel longitudinal handle members in facial contact with each other, means for securing the handle members together so as to hold the split frame in a position rigidly encircling the viewing member, comprising an internally threaded insert of resinous plastic material extended through an opening formed in one of the handle members and extended into a complementary aligned recess formed in the other of the handle members, the other handle member being formed with a threaded opening continuing from said recess and of a size corresponding to the internal thread of said insert and in axial alignment with the internal thread of said insert, a screw of resinous plastic material threadedly engaged with the threaded opening of the other handle and the internal thread of said insert, said screw being formed with a recess extended in from its inner end, and means within the recess of said screw reinforcing said screw against longitudinal stretching.

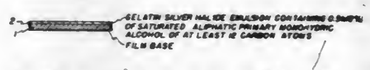
2,454,042
STANDING-WAVE MEASURING APPARATUS
David Dettinger, Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application January 18, 1945, Serial No. 573,436
9 Claims. (Cl. 171—95)



1. A standing-wave measuring apparatus comprising, a guide for electromagnetic waves effective to establish a standing electric wave along its length in accordance with the load condition and operating wave-length of said guide, a pick-up device electrically coupled to and supported for axial movement with reference to said guide for deriving a voltage indicative of the amplitude of the standing wave at any selected point along the length of said guide, an arrangement for providing in the vicinity of said guide a plurality of scales each of which is individually movable for longitudinal adjustment thereof and is calibrated in terms of a different operating wave length of said guide, and means for so positioning and orienting said arrangement with reference to said guide that any selected one of said scales is positioned for movement during adjustment thereof in a predetermined path parallel to that of said pick-up device.

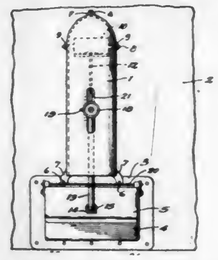
2,454,043
GELATINO-SILVER HALIDE PHOTOGRAPHIC ELEMENTS CONTAINING HIGHER FATTY ALCOHOLS
Wilfrid Hampden Dimsdale and Kenneth John Challis, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
Application March 24, 1945, Serial No. 584,724
In Great Britain April 4, 1944
7 Claims. (Cl. 95—7)

1. A photographic element comprising a support bearing a light-sensitive gelatino-silver halide emulsion layer and having in an outer layer of said element a single film-forming polymer consisting of gelatin which has uniformly dispersed therethrough from 0.5 to 10.0% by weight of an unsubstituted, saturated, aliphatic, primary



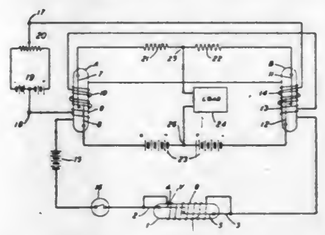
monohydric alcohol of at least 12 carbon atoms and which is solid at ordinary temperatures based on the gelatin.

2,454,044
DRAFT REGULATOR
Herbert A. Eggert, Oak Park, Ill.
Application March 7, 1945, Serial No. 581,415
1 Claim. (Cl. 236—96)



In a regulator device for stoves and furnaces having a draft door and an outer housing, a regulator unit cover secured to said housing and having an elongated slot therein, a stationary shaft secured in the upper end of said cover, a thermostatic coil having one end thereof secured to said shaft, a rigid telescoping linkage means secured at one end to the free end of said coil and at the other end to said draft door, and locking means extending through said slot in the cover and movable therealong and secured to one of said telescoping linkage means whereby the length of said telescoping linkage is variable at the will of the operator and a scale along said slot to indicate the adjustment of the linkage.

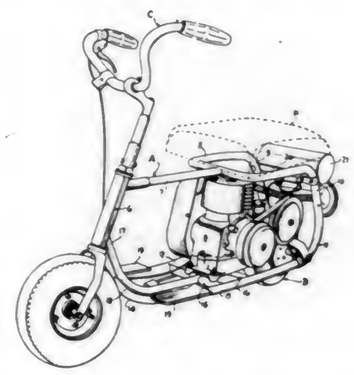
2,454,045
AMPLIFIER
Walter B. Ellwood, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 16, 1945, Serial No. 594,050
6 Claims. (Cl. 171—222)



1. In an amplifier circuit, two relays, means for applying a current of periodically varying amplitude in the same phase relationship to said relays whereby said relays are caused to operate in phase, an input circuit for applying a biasing current in opposite phase relationship to said relays

respectively, means for varying the direction of said biasing current, a source of power, a load device, and means controlled in response to the operation of said relays for applying power from said source to said load device, the application of said biasing current to said relays being effective to shift the phase relationship between the operating times of said relays whereby the direction of the impulses transmitted from said source to said load device is made dependent upon the direction of the phase shift.

2,454,046
MOTOR SCOOTER
George C. Fields, Wilmette, Ill., assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Application October 5, 1945, Serial No. 620,427
2 Claims. (Cl. 280—274)

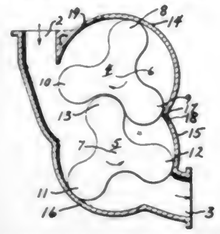


1. In a motor vehicle frame, a lower section comprising transversely spaced, longitudinally extending, horizontal bars forming an engine support near their rear ends and a foot support mounting at their forward ends, the forward extremities of said bars being connected by an integral bight portion, the rear ends of said bars extending upwardly at the rear of the vehicle and thence forwardly in upper horizontal sections so as to form a protecting frame about the engine on its support, and rigidly connected single forward frame bar means extending medially of the vehicle from said protecting frame and from upper and lower points thereof to form a front wheel support for the vehicle, said forward frame bar means including a curved lower bar extending in part coextensive with and between said lower horizontal bars and thence forwardly and upwardly therefrom.

2,454,047
CONVERSION OF ALICYCLIC ALDEHYDES
Harry de V. Finch, El Cerrito, Seaver A. Ballard, Orinda, and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 9, 1947, Serial No. 747,128
20 Claims. (Cl. 260—514)

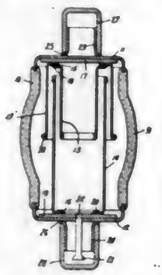
1. A process for converting an alicylic aldehyde to an alicyclic acid which comprises contacting said alicyclic aldehyde with a molten alkali metal hydroxide at a temperature not greater than about 470° C.

2,454,048
ROTARY AIR COMPRESSOR
Robert Flanagan, Glen Rock, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of New Jersey
Application July 30, 1943, Serial No. 496,798
2 Claims. (Cl. 230—141)



1. A rotary air compressor comprising, in combination, a first rotor, a second rotor, first impeller lobes formed on said first rotor, second impeller lobes formed on said second rotor, said first and second impeller lobes intermeshing in sealing relation, a first wall partially encircling the first rotor and forming a compression chamber, a second wall and a third wall partially encircling the second rotor and forming another compression chamber, an air inlet conduit from atmosphere opening between the first and second walls and into the compression chambers, and an air outlet conduit to atmosphere opening from said other compression chamber and between the second and third walls only, said first lobes moving in sealing relation along the first wall toward said third wall, said second lobes moving in sealing relation along said second wall toward said outlet conduit for forcing a supply of air at a relatively low pressure to said outlet conduit, and said second lobes moving in sealing relation along the third wall toward said first wall and cooperating in sealing engagement with said first lobes in such a manner as to compress between said first and third walls and said first and second lobes a supply of air at a relatively high pressure, said first and second lobes so arranged as to release said high pressure air supply to said outlet conduit after said low pressure air supply and in such a manner as to prevent a back rush of air into said compressor.

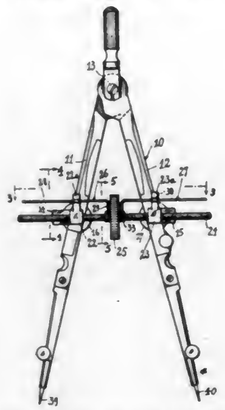
2,454,049
ELECTRIC CAPACITOR
George H. Floyd, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 4, 1944, Serial No. 521,079
2 Claims. (Cl. 175—41)



1. An electric capacitor including a pair of concentrically arranged overlapping cylindrical electrodes, an envelope for said capacitor including a cylinder of insulating material and

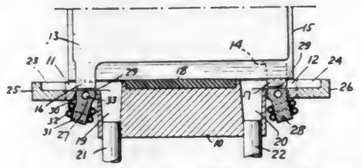
conductive means sealed to opposite ends of said cylindrical member and connected respectively with said cylindrical electrodes, said electrodes being of substantially different axial lengths with the longer of said electrodes arranged within the shorter electrode, said shorter electrode terminating substantially midway between the ends of said cylindrical insulator.

2,454,050
DIVIDER AND THE LIKE WITH MEASURING SCALES
Hugo Friedmann, Astoria, N. Y.
Application October 9, 1943, Serial No. 505,613
5 Claims. (Cl. 33—148)



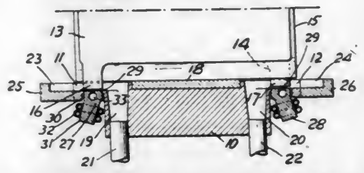
1. In an instrument having legs pivoted at one end, the distance between the other end of said legs to be set for the use of the instrument, a pivoted nut in each leg, the two nuts being oppositely threaded, a rod passing through said nuts and being oppositely threaded from about the center thereof to the respective ends whereby a rotation of the rod will cause said legs to close upon one another or to open up, as desired, a projection on one of the nuts, an elongated scale member along which said projection may slide, said scale member being secured at about the center of said rod against axial movement thereon, but rotatably with reference to said rod.

2,454,051
MOLD FOR THE MANUFACTURE OF STORAGE BATTERIES
Charles Douglas Galloway, Wyndmoor, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Application June 3, 1944, Serial No. 538,564
2 Claims. (Cl. 22—74)



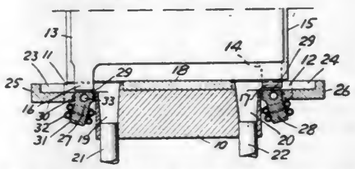
1. A mold for casting straps on the plate lugs of a storage battery element provided with an open mold cavity adapted to receive the plate lugs of the storage battery element and characterized by the provision of a heat-conducting refractory metal extension which projects externally from and beyond the outer surface of the wall of the mold cavity adjacent the tip-ends of the lugs when positioned in said cavity, and is longitudinally substantially coextensive therewith and laterally substantially corresponding with the dimension of the lugs lengthwise of said plates, said outwardly projecting extension forming a core to receive and to be heated by an induction heating coil for rapid localized heating of the mold in close proximity with the tips of the plate lugs for fusion of their end portions with the cast metal.

2,454,052
STORAGE BATTERY PLATE ASSEMBLY
Charles D. Galloway, Wyndmoor, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Original application June 3, 1944, Serial No. 538,564. Divided and this application December 19, 1944, Serial No. 568,797
2 Claims. (Cl. 136—134)



1. A storage battery element comprising alternately disposed positive and negative plates with interposed separators, said plates provided with terminal lugs assembled respectively to positive and negative straps wherein the roots of the lugs are tightly shrinkage gripped by but separate from the adjacent metal of the strap and the tips of the lugs are autogenously welded to said metal.

2,454,053
PROCESS FOR THE MANUFACTURE OF STORAGE BATTERIES
Charles D. Galloway, Wyndmoor, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Original application June 3, 1944, Serial No. 538,564. Divided and this application December 22, 1944, Serial No. 569,387
6 Claims. (Cl. 22—203)



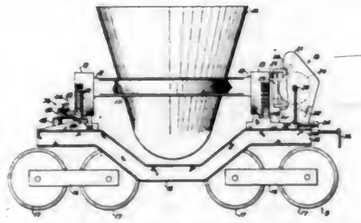
3. The method of producing on the lugs of storage battery plates a cast strap characterized by welded areas of high electrical conductivity at the tip-ends of the lugs which comprises inserting the lugs of the storage battery plates into a mold cavity with said lugs spaced from each other, surrounding the lugs with molten metal at a temperature such that when the metal comes into contact with the lug-surfaces the metal is not hot enough to fuse such surfaces, and while the strap is still in the mold applying heat to a localized area of the mold adjacent the tips of the lugs to effect localized fusing of the strap-metal to the ends of the lugs without fusing of the strap-metal to the root of the lugs.

2,454,054
EGG POACHER
Docia Irene Gibb, Denver, Colo.
Application May 24, 1947, Serial No. 750,283
3 Claims. (Cl. 99—449)



3. An egg poaching device comprising, in combination, a short cylindrical ring having an inwardly extending bead above the lower edge thereof, the material below the bead being foraminated, a plate resting on the upper surface of the bead forming a closure, the upper surface of the plate having a diametrical partition plate positioned in a plane substantially perpendicular thereto, said partition having a narrow notch extending downwardly at a point substantially midway between its ends, another partition plate having a notch at its middle point, adapted to be positioned in the notch in the first mentioned partition, and a handle having one end connected with the plate, the other end being accessible for removing the plate from the ring.

2,454,055
APPARATUS FOR HANDLING MATERIAL
Lawrence B. Gilchrist, Hammondsville, Ohio, assignor to National Steel Corporation, a corporation of Delaware
Application May 9, 1947, Serial No. 746,956
4 Claims. (Cl. 105—271)

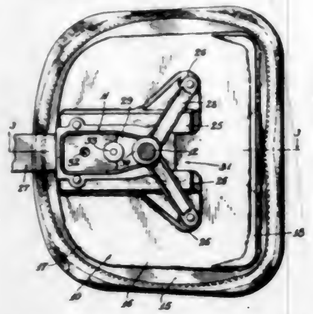


1. In apparatus for conveying material, the combination comprising a container; a rack; a gear engaging the rack and connected to the container, said gear being movable in a path back and forth along the rack to turn the gear and container from one position to another position; a pair of stops, each having a tooth engaging portion adapted to engage a tooth of the rack; and means movably supporting the stops for movement into an operative position adjacent opposite sides of the gear and in the path of movement of the gear with said portions each engaging a rack tooth and for movement to an inoperative position free of the rack, said stops when in the operative position holding the gear and container in one position.

2,454,056
ALUMINUM PHOSPHATE BINDER AND METHOD FOR PREPARING THE SAME
Herbert H. Greger, Washington, D. C.
No Drawing. Application September 19, 1944, Serial No. 554,863
6 Claims. (Cl. 106—287)

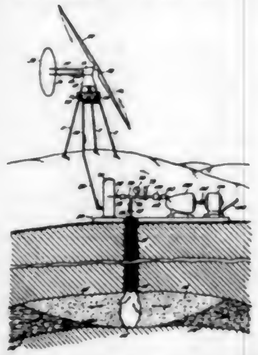
4. An aluminum phosphate binder consisting essentially of an aqueous aluminum phosphate solution and calcium oxalate, said calcium oxalate being present in quantities liberating sufficient oxalic acid on mixing with the aluminum phosphate solution to stabilize the binder by arresting the precipitation of calcium phosphates.

2,454,057
CHAIR IRON AND SEAT CUSHION THEREFOR
Albert C. Grunwald, River Forest, Ill., assignor to Precision Metal Workers, Chicago, Ill., a corporation of Illinois
Original application March 4, 1940, Serial No. 322,110. Divided and this application May 10, 1943, Serial No. 486,371
4 Claims. (Cl. 155—157)



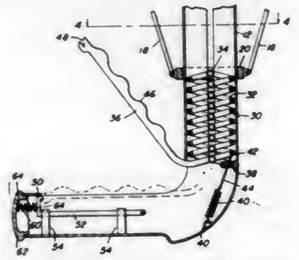
2. A seat comprising, in combination, a horizontal metal base plate, two spaced ribs depressed from said plate intermediate its sides and defining rearwardly extending guides, the bottom of said ribs providing a mounting surface spaced downwardly from said plate, a seat support secured in position against said surface and underlying the intervening space between said ribs, said ribs and support defining a guideway adapted to receive and support a back support bar with a snug sliding fit against the bottom surface of said plate.

2,454,058
APPARATUS FOR CONVERTING INTERMITTENT POWER TO CONTINUOUS POWER
Russell R. Hays, Lawrence, Kans.
Application October 19, 1944, Serial No. 559,454
6 Claims. (Cl. 60—57)



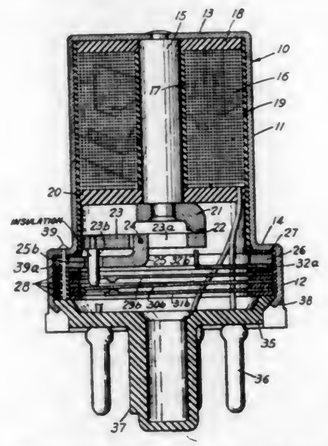
1. In combination, an air compressor driven by a varying source of power, a conduit connecting said compressor with a subsurface water bearing porous rock strata adapted to receive compressed air from said air compressor and to exert a hydrostatic pressure on said air whereby the density of said air remains substantially constant, and a pressure controlled conduit communicating with said porous rock strata whereby a substantially even flow of energy is maintained therefrom.

2,454,059
UMBRELLA
Samuel J. Heaney, Portland, Oreg.
Application July 29, 1947, Serial No. 764,503
3 Claims. (Cl. 135—22)



1. An umbrella handle including a tubular standard having a slot, a sleeve on said standard, lazy tongs operatively mounted within said standard and connected to said sleeve by a pin extending through said slot, means to actuate said lazy tongs to slide the sleeve along the standard, said means including a finger lever pivoted on said standard, and spring means connected to said standard and to said lazy tongs to bias the lazy tongs into collapsed position.

2,454,060
RELAY
Louis Hegy, Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 16, 1944, Serial No. 554,503
2 Claims. (Cl. 200—87)



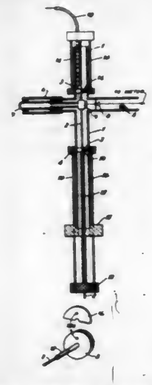
1. An electrical relay comprising: a cup-shaped casing containing in the closed end thereof an actuating winding; means including a movable armature constituting a magnetic circuit for said winding; and a contact assembly for actuation by said armature, said contact assembly comprising a plurality of contact elements each having a parametrically continuous base portion fitting within and transversely supported by said casing, and insulator elements interposed between and corresponding in shape to the said base portions of said contact elements and fitting within and transversely supported by said casing, and means compressing said contact and insulator elements together within said casing.

2,454,061
2-ETHYL-HEXYL, N-OCTADECYL TETRACHLOROPHTHALAMIDATE AND INSECTICIDAL COMPOSITIONS CONTAINING THE SAME
Mark L. Hill, Bethel Township, Delaware County, and Herschel G. Smith, Wallingford, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 3, 1948, Serial No. 6,018
6 Claims. (Cl. 167—30)

1. The compound, 2-ethyl-hexyl, N-octadecyl tetrachlorophthalamidate.

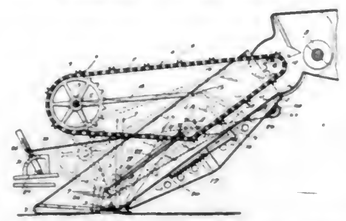
6. An insecticidal composition comprising from about 0.1 to 10.0 per cent by weight of 2-ethyl-hexyl, N-octadecyl tetrachlorophthalamidate and a hydrocarbon solvent therefor.

2,454,062
HIGH-FREQUENCY CONDUCTOR HAVING A LOW IMPEDANCE MOVABLE ELECTRICAL CONTACT DEVICE
Herbert Edward Holman, West Drayton, and Edward Cecil Cork, Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application October 2, 1943, Serial No. 504,744
In Great Britain December 17, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires December 17, 1960
7 Claims. (Cl. 178—44)



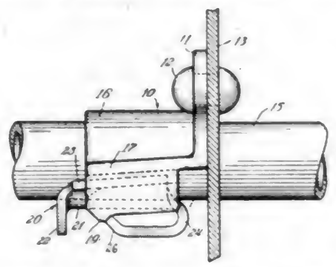
6. Apparatus for use with high frequency electrical oscillations comprising a cylindrical conductor, a conducting piston slidably arranged within said cylindrical conductor, a slidable clamp embracing the outer surface of said cylindrical conductor, said piston being mechanically coupled to said clamp so as to move therewith and to insure that said clamp remains substantially in the same plane as said piston.

2,454,063
REEL AND RAKE APPARATUS FOR COMBINES
Houston N. Irvine, Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application October 28, 1944, Serial No. 560,779
3 Claims. (Cl. 56—219)



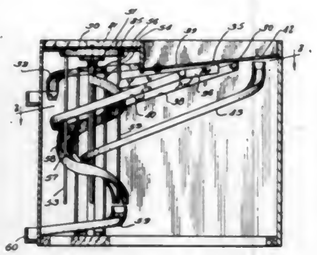
1. A reel and rake apparatus for harvester machines comprising a sickle, an inclined chute leading rearwardly and upwardly from the sickle, a flexible endless belt-like reel and rake member having transverse raking bar members thereon, and guide means for said belt-like member including rotors about which said belt-like member passes, one of said rotors being adjacent and spaced from the upper end of said chute, the second rotor being located at a point midway of the length of said chute and spaced therefrom a distance substantially the same as that of the first rotor, and the third rotor being located adjacent the lower end of said chute forwardly thereof and in substantially the same horizontal plane as the second mentioned rotor, the second mentioned rotor being adjustable longitudinally of the chute and the last mentioned rotor being adjustably mounted for vertical movement.

2,454,064
PIPE ANCHOR
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application November 29, 1945, Serial No. 631,629
9 Claims. (Cl. 248—56)



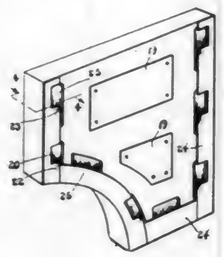
1. A pipe anchor comprising a main body member adapted to be immovably secured in place, having a pipe receiving channel and parallel spaced sides provided with oppositely facing grooves while the lower faces of the sides are provided with off-set surfaces; and a wedge member having a pipe engaging surface with side portions adapted to enter the grooves of the body member and provided on its outer side with off-set laterally disposed extensions adapted to effect interengaging relation with the off-set surfaces of the body member and prevent movement of the wedge member.

2,454,065
SIMULATED BASEBALL PLAYING MACHINE
Wesley A. Johnson, Augusta, Ga.
Application December 7, 1945, Serial No. 633,429
10 Claims. (Cl. 273—88)



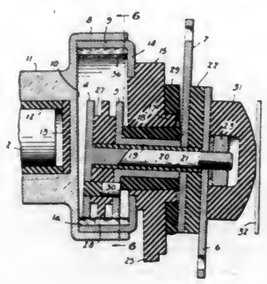
1. In a simulated baseball machine including an inclined playing board, apertures in one portion of the machine to receive a projectile, a diamond secured to another portion of said machine, indicia to indicate the relative advance of base runners; the improvement which consists of a stationary elongated trough forming a closed curved inclined path, means at a plurality of levels along said trough to admit a projectile thereto, said means communicating with said apertures, a rotatable table containing said indicia positioned above said trough, a slot in said trough, and means depending from the table through said slot to rotate said table a predetermined distance.

2,454,066
PANEL AND TRIM MOUNTING
Walter F. Johnson, Cincinnati, Ohio
Application October 13, 1944, Serial No. 558,525
4 Claims. (Cl. 296—44)



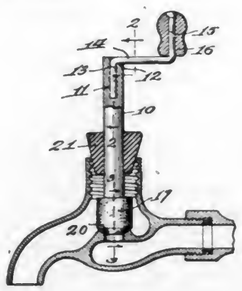
1. A panel mounting structure for a vehicle door comprising an inner flat panel on the door, a frame adjacent at least two edges of said panel and fastened thereto, notches in the inner edge of said frame, and imperforate recesses in said inner panel underlying only each notch and a portion of the inner frame edge adjacent thereto, a removable relatively rigid flat panel configured to cover said inner panel and frame, gibs incorporating a projecting neck mounted on said removable panel and so positioned as to register with said frame notches and project in said recesses when the removable panel is placed against said frame and to slide under said frame with their necks in contact with the inner edge thereof when said removable panel is slid into its final position.

2,454,067
CIRCUIT INTERRUPTING DEVICE
Everard F. Kohl, Lakewood, Ohio
Application May 7, 1945, Serial No. 592,491
16 Claims. (Cl. 200—80)



2. Apparatus of the class described comprising a movable casing containing an electrically conductive liquid, a contact arranged in said casing which is in electrical contact with said liquid when said casing is at rest, means whereby said casing may be moved to separate said contact from said liquid to break said electrical contact, and an electrical resistance material of less specific gravity than said liquid arranged upon the surface of the liquid to minimize arcing when said contact is separated from said liquid.

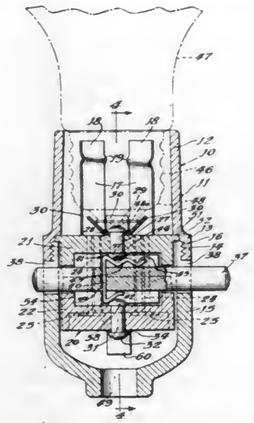
2,454,068
VALVE SEAT GRINDER
William A. Kuhlman, Los Angeles, Calif.
Application December 26, 1946, Serial No. 718,396
2 Claims. (Cl. 51—205)



1. In a valve seat grinding tool a shaft provided in its lower end with a notch, an abrasive body enclosing the lower end of said shaft with a portion embedded in said notch to anchor said body to said shaft, the upper end of said shaft being provided with an axial bore and a radial notch at the upper end of said bore, and a crank having inner end portions seated in said bore and notch.

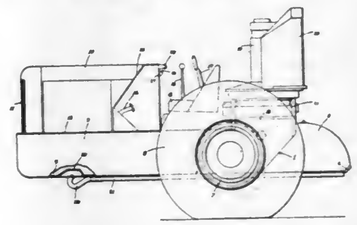
2,454,069
ELECTRIC SOCKET CONSTRUCTION
Theodore G. Lefler, Chicago, Ill.
Application June 24, 1946, Serial No. 678,833
6 Claims. (Cl. 200—51.16)

1. An electric lamp socket comprising means including a plurality of resilient members for supporting an electric lamp bulb in operative position, and a switch unit for controlling the flow of electrical current to such a bulb so positioned in said first named means, said switch unit comprising an upper supporting member and a lower supporting member, said resilient members providing means for holding said supporting members together, a pair of stationary electrical contacts mounted in said supporting members



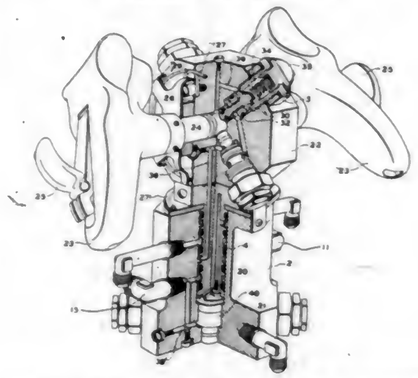
and adapted to be connected to such a lamp bulb and to a suitable source of power, respectively, and a movable electrical contact slidably mounted between said supporting members and movable into and out of interconnecting engagement with said stationary contacts to thereby control the opening and closing of electrical connection between said stationary contacts.

2,454,070
TWO-WHEEL TRACTOR
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau Inc., Stockton, Calif., a corporation of California
Application April 22, 1946, Serial No. 664,079
6 Claims. (Cl. 180—29)



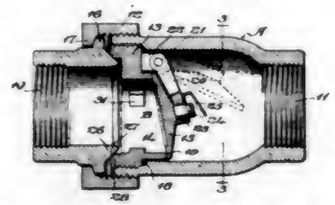
1. A two-wheel tractor comprising a final drive housing having rigid side beams fixed thereon in transversely spaced, forwardly projecting relation, drive wheels mounted on the housing to the sides of the latter, an engine supported between the side beams ahead of the housing, and driving connections between the engine and wheels including a final drive assembly in said housing; there being a fuel tank on the back of the final drive housing and projecting rearwardly therefrom in normal ground clearance relation, said fuel tank being of rigid, heavy-duty construction and of a length to engage the ground and prevent rearward overturning of the tractor about the axis of the wheels.

2,454,071
GUN CONTROL MECHANISM
John P. Lidral and Mitchell M. Berry, Seattle, Wash., assignors to Boeing Airplane Company, a corporation of Delaware
Application May 20, 1944, Serial No. 536,554
5 Claims. (Cl. 137—144)



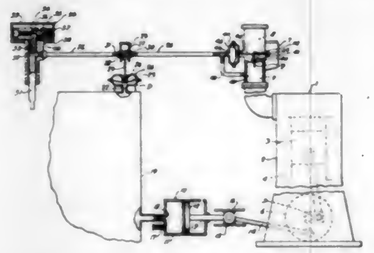
2. Control mechanism for use with an elevating motor and a traversing motor, comprising a stationary block, a traversing motor conduit and an elevating motor conduit connected to said stationary block, an upright shaft journaled in said block, traversing valve means including a plurality of units, each incorporating a valve and a valve seat, carried by said stationary block, distributed about said upright shaft and operatively connected therewith, the valves and valve seats of said units being relatively reciprocable by rotation of said upright shaft, to control flow of fluid through said traversing motor conduit, a movable casing rotatable with said upright shaft, a shaft extending transversely of said casing, elevating valve means including a plurality of units, each incorporating a valve and a valve seat, carried by said casing, distributed about said transverse shaft and operatively connected therewith, the valves and valve seats of said elevating valve means units being relatively reciprocable by rotation of said transverse shaft, to control flow of fluid through said elevating motor conduit, and means establishing communication between said elevating valve means and said elevating motor conduit connected to said stationary block.

2,454,072
COMBINED PIPE UNION AND CHECK VALVE
Fred R. Long, Catawissa, Pa.
Application August 4, 1944, Serial No. 548,089
2 Claims. (Cl. 251—123)



1. A combined pipe union and check valve comprising male and female sleeve elements disposed in end to end relationship to each other, a nut connecting said sleeve elements together, a check valve unit mounted in one of said sleeve elements, said unit including a base having a port, an arm pivoted at one end to said base and having its other end free and provided with an opening, a disk-type check valve having a pin of smaller diameter than said opening extending through said opening to permit rocking movement of said pin therein, said pin having a transverse opening therethrough adjacent its end, quick detachable and replaceable means in said pin opening cooperating with said arm to retain said valve in assembly with the latter for swinging movement therewith to control flow of fluid through said port, and a leaf spring element having two diverging legs, one of said legs being engaged with said pin and retained thereon by said detachable and replaceable means and having its other leg free to engage the inner wall of the sleeve element in which said check valve unit is mounted to cushion opening movements of said check valve.

2,454,073
AIR COMPRESSING SYSTEM
Marion Mallory, Detroit, Mich.
Application September 26, 1945, Serial No. 618,730
5 Claims. (Cl. 230—3)

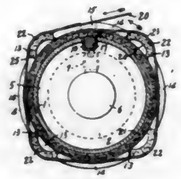


1. A gas compressing apparatus comprising a compressor, an internal combustion engine for driving said compressor and having an intake passageway, a throttle valve for controlling the flow of motive fluid through said passageway, a device actuated by changes of pressure in the intake passageway on the engine side of said throttle valve and connected to said throttle valve for imparting movement thereto, an air bleed for said pressure actuated device controlled in accordance with the engine speed, said air bleed tending to close whenever the engine reaches a predetermined governed speed whereby the pressure actuated device moves said throttle valve toward closed position, a container for storing gas compressed by said compressor, and means responding to a predetermined gaseous pressure in said container for shutting off said air bleed whereby said pressure actuated device responds to intake passageway pressure to move said throttle valve toward idle position.

2,454,074
MANUFACTURE OF DUCT TURNS OR VANES
Henri M. Marc, Roselawn, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application February 8, 1946, Serial No. 646,279½
6 Claims. (Cl. 154—117)

5. A method of making duct turns or vanes comprising winding a convolution of fabric about a mandrel, placing narrow spacing strips longitudinally at circumferentially spaced intervals

about the mandrel upon the convolution of fabric, then winding another convolution of fabric around the first convolution of fabric and over the strips with the convolutions of fabric contacting in zones between the strips, securing the

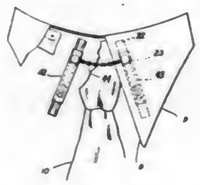


convolutions together along the zones of contact, severing the resulting structure longitudinally along the zones of contact, and applying adhesive indurating material to the severed longitudinal edges.

2,454,075
STEAM TURBINE LUBRICATING OILS
Robert G. Mastin, Okmulgee, Okla., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application April 2, 1947, Serial No. 738,933
5 Claims. (Cl. 252—50)

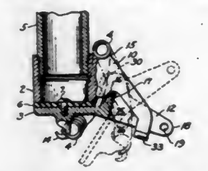
1. A steam turbine oil composition comprising a refined mineral steam turbine lubricating oil having incorporated therein an antioxidant selected from the group consisting of 1-phenyl-3,5,5-trimethyl pyrazoline and 1-phenyl-3-isobutenyl-5,5-dimethyl pyrazoline.

2,454,076
WEAR ACCESSORY
Paul Marx and Artie Abraham, New York, N. Y.
Application May 23, 1946, Serial No. 671,849
10 Claims. (Cl. 2—132)



7. A pin clip device as a collar stiffener or the like comprising a pair of clips, each clip comprising an elongated open-ended casing having a lower and an upper wall portion, the upper wall portion protruding beyond the lower at both ends of said casing, two pins located partly in the interior of the opposite casing ends, respectively, and projecting therefrom with their points which are overlapped by the ends of said upper wall portion, one of said pins being lengthwise shiftable, a spring interiorly of said casing and bearing against said shiftable pin, means accessible from the outside and connected to said pin to retract the latter against the restraint of said spring, an abutment to prevent projection of said pin beyond a predetermined limit, said other pin being rigidly connected to said casing, the upper wall portion including an extension at its end adjacent said rigidly secured pin, said extension being bent back at an angle upon said casing, and a flexible member connecting the free ends of the extensions of both said clips.

2,454,077
VALVE
Norman S. McEwen, Fort Lauderdale, Fla., assignor to Helpy Selfy Service System, Inc., Fort Lauderdale, Fla., a corporation of Florida
Application May 2, 1945, Serial No. 591,477
2 Claims. (Cl. 137—34)

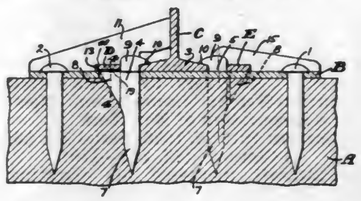


2. A valve comprising a conduit and a closure for one end thereof, said conduit provided with a tongue extending laterally therefrom, the uppermost portion of said tongue formed as a spring receiving pocket, the lower portion of said tongue having an under surface constituting a seat and upon which the closure has contacting oscillatable movement, said closure provided on its under portion with a projection and on its upper portion with a washer for engaging the end of said conduit, said closure further provided with a pair of substantially parallel fingers closely straddling said tongue, the inner ends of said fingers interconnected by a wall having a thin upper edge constituting a fulcrum contactingly engaging the seat of said tongue and about which fulcrum the closure is oscillated by a force applied through said fingers, and a coil spring for maintaining said fulcrum in coengagement with said seat, said spring having its mid-portion bodily seated in said pocket and having its opposite end portions extending downwardly on opposite sides of said tongue with the extremities of said spring removably engaging said projection.

2,454,078
METHYLOL MELAMINE ETHERS AND THEIR MANUFACTURE
Frank Clifton McGrew, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 9, 1941, Serial No. 387,771
11 Claims. (Cl. 260—249.5)

1. A crystalline monomeric ether of trimethylolmelamine with a monohydric alcohol, said alcohol having at least one hydrogen on the carbinol carbon.

2,454,079
RAIL FASTENER
Robert E. Merrell, Spartanburg, S. C.
Application August 16, 1946, Serial No. 691,047
1 Claim. (Cl. 238—294)



A rail fastener comprising a railroad rail chair adapted to receive and support the base of a railroad rail, buttress supports having openings

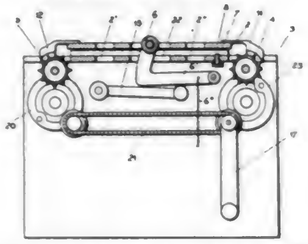
formed therein, forming a part of the rail chair, said rail chair having spike openings, spikes securing a railroad rail to the chair, enlargements on the rear edges of the spikes, the upper edges being tapered, the outer edges of which lie flush with the upper surface of the plate, a wedge having an inclined edge and having recesses in the under surface thereof, adapted to be driven through the openings in the buttress supports in contact with the enlargements of the spikes, the inclined edge of the wedge bearing against one of the respective walls of each opening, moving the spikes towards the rail, and the tapered portions of the enlargements projecting above the upper surface of the tie plate to lockingly engage with the recesses in the under surface of the wedge member, securing the wedge against displacement.

2,454,080

MOVING PICTURE FLASHING APPARATUS

Etienne Noel Mollier, Paris, France

Application August 9, 1946, Serial No. 689,629
In France August 10, 1945
5 Claims. (Cl. 88—16.6)



1. A moving picture apparatus comprising in combination a film bearing two rows of pictures to be flashed alternately, a film-guiding channel provided with a pair of spaced gates located respectively in front of the pictures of either row and with a transversal aperture between the two gates, a projection lens arranged before each gate, a sprocket roller at either end of the said channel adapted to feed the film through, a presser on each sprocket roller adapted to press the film upon the related roller, a guide roller midway of the channel in front of the film and of said transversal aperture in the channel, spring means to urge said roller towards the inside of said aperture and form a film loop, driving means to alternately rotate either roller through a fraction of a revolution in one direction or the other, means to alternately illuminate a picture in each row located in front of the corresponding gate, and means to progressively stop the illumination of one picture in one row while progressively illuminating the next picture in the other row.

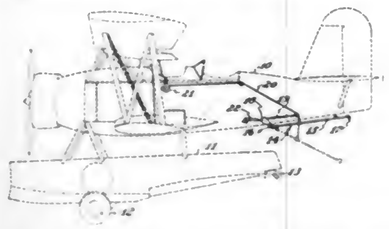
2,454,081

ARRESTING GEAR

Eddie Molloy, Buffalo, and Louis G. Raiche, Kenmore, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation, New York, N. Y., a corporation of New York

Application July 25, 1935, Serial No. 33,046
6 Claims. (Cl. 244—110)

1. In aircraft including an arresting hook assembly pivoted to the aircraft for vertical oscillation, a device for preventing hook bouncing upon impact thereof with a landing surface comprising cylinder means and piston means engaging said cylinder means, one said means being attached to the aircraft and the other to the arresting hook, said cylinder having spaced and interconnected ports for by-passing air from



one end of said cylinder to the other upon movement of said piston to a position between said ports.

2,454,082

ALKENYL ALKALI METAL COMPOUNDS

Avery A. Morton, Watertown, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application October 17, 1945, Serial No. 622,941
6 Claims. (Cl. 260—665)

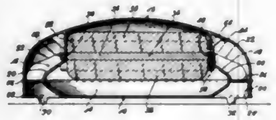
1. The method of making alkenyl alkali metal compounds which comprises maintaining an alkali metal compound selected from the group consisting of alkyl sodium and alkyl potassium in intimate admixture with a mono-olefinic aliphatic hydrocarbon containing at least three carbon atoms.

2,454,083

SOAP HOLDER

Joseph J. Nemeth, New York, N. Y.

Application March 1, 1945, Serial No. 580,349
11 Claims. (Cl. 45—28)



1. In the combination of a soap cake and a holder therefor, a rigid core for said cake having exposed end portions; means in said holder adapted to support said soap cake by the end portions of said core; and a cover for said holder having means adapted to contact the end portions of said core to space said cover from said soap cake.

2,454,084

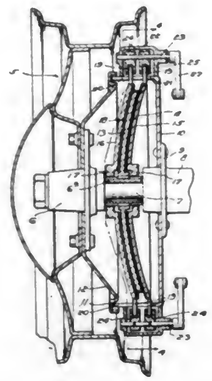
FRICTION DISK BRAKE FOR AUTOMOBILES AND THE LIKE

Edward L. Page, Flint, Mich.

Application September 13, 1946, Serial No. 696,854
2 Claims. (Cl. 188—72)

1. A brake for a rotating member comprising a disc secured to said member for rotation therewith, a pair of discs slidably mounted on said member at opposite sides of said rotatable disc, a stationary housing enclosing said discs and having a slot positioned transversely of the edges of the discs, tongues on the slidable discs projecting through said slot to secure the sliding

discs against rotation, and cams rockably mounted on said housing and engaging the



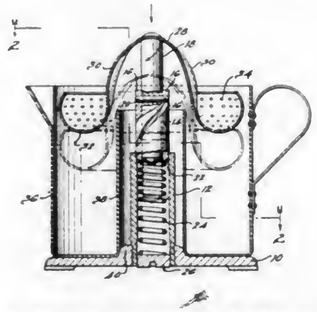
tongues to move said pair of discs into and out of braking contact with said rotatable disc.

2,454,085

JUICER WITH HAND RECIPROCATED ROTARY REAMER

Joshua Patrick, Detroit, Mich.

Application April 28, 1945, Serial No. 590,818
1 Claim. (Cl. 146—3)



A juice extractor comprising a base, a central tubular member projecting upwardly from the face of said base, a sleeve carried in the upper open end of said tubular member, an adjustable closure member for the lower open end of said tubular member, said sleeve having a spiral slot in the wall thereof extending through the upper open end of said sleeve, a rod slidably mounted in said sleeve, a pin carried by said rod received in the slot of said sleeve, resilient compression means between the lower end of said rod and said adjustable closure member, a conically shaped ribbed head carried at the upper end of said rod, said head having a semi-circular flange at its outer edge and provided with a plurality of apertures, and a removable receptacle on said base having an open ended sleeve portion surrounding said tubular member extending from said base to within the semi-circular portion of said head and having an outer sleeve portion extending from said base above the semi-circular portion of said head having its lower end integrally connected through a base portion to the lower end of the sleeve portion of said receptacle.

2,454,086

BALL-POINT WRITING INSTRUMENT

Robert W. Randolph, Milton, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin

Application August 16, 1946, Serial No. 690,971
18 Claims. (Cl. 120—42.03)



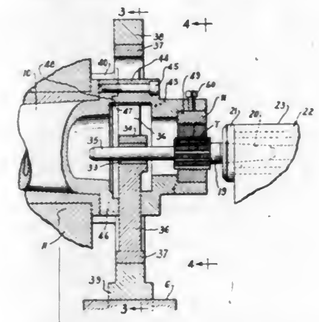
1. A ball-point writing instrument comprising a point-and-cartridge unit including an ink reservoir, a ball writing element, and means for feeding ink from said reservoir to said writing element, housing means for said unit including a barrel, an actuating member mounted for turning movement about the axis of said barrel and having at least a portion exposed for manual manipulation, and means driven by said actuating member for effecting relative movement between said unit and said housing means between a position in which said writing element is exposed for writing and a position wherein said housing means substantially incloses said writing element, respectively.

2,454,087

INTERNAL THREAD MILLING MECHANISM

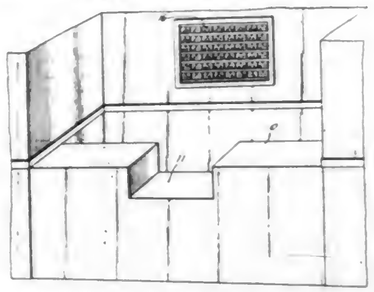
Stafford M. Ransome, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application April 19, 1945, Serial No. 589,128
9 Claims. (Cl. 90—11.64)



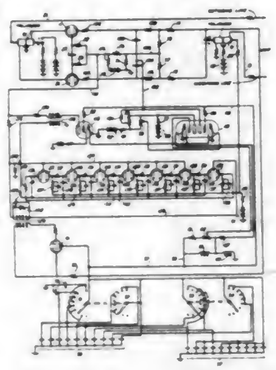
1. An internal thread milling mechanism comprising, in combination, a rotary work spindle supported for transaxial movement, a work holder adapted to support a workpiece and having a plurality of peripherally spaced connecting lugs removably secured to one end of said spindle, a rotary tool spindle mounted for axial feed in a direction generally parallel to the axis of said work spindle and adapted to support a rotary cutting tool for engagement with the interior of the workpiece, said tool spindle having an axial pilot adapted to extend longitudinally from the free end of said cutter inwardly of the workpiece, an outer bearing ring freely encircling the exterior of said work holder, a coaxial boss slidably and rotatably receiving said pilot and a plurality of arms connecting said boss to said ring and extending freely outwardly between said connecting lugs, and a stationary bearing support for said ring.

2,454,088
REGISTRATION DESK WITH MAIL INDICATING SYSTEM
Mason G. Rapp, Wilmette, Ill.
Application December 15, 1945, Serial No. 635,166
1 Claim. (Cl. 177—311)



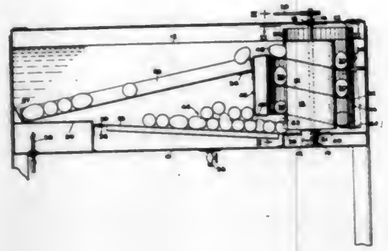
In combination, a registration desk having a registration platform, numbered mail receptacles adjacent the platform within reach of an attendant behind the desk and invisible and out of reach from a position in front of the desk, a correspondingly numbered flashboard in spaced relationship at the rear of the desk and visible from a position in front of the desk, an electric light adjacent each number on the flashboard and a switch electrically communicating with each such light and located adjacent the correspondingly numbered receptacle in the desk.

2,454,089
REGENERATIVE REPEATER
Wilton T. Rea, Manhasset, and Jefferson R. Wilkerson, Bayside, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1942, Serial No. 460,948
26 Claims. (Cl. 178—70)



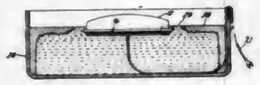
1. In a telegraph signal repeater, a signal responsive relay, a normally inactive impulse generator, means controlled by said relay for setting said generator in operation, a signal transmitting relay, means controlled jointly by said signal responsive relay and said impulse generator for operating said transmitting relay, means for counting the impulses generated by said impulse generator, and means operated by said counting means upon counting a predetermined number of impulses for stopping said generator.

2,454,090
EGG WASHER
Walter J. Reading, Buffalo, N. Y.
Application July 28, 1944, Serial No. 546,969
7 Claims. (Cl. 15—3.15)



1. An egg cleaning device comprising a tank adapted to contain an egg cleaning solution, a vertically arranged cylindrical wall mounted within said tank and having its lower portion submerged in said solution, the said wall comprising a plurality of longitudinally extending separable staves, means for resiliently restraining said staves against outward movement to normally maintain said wall at predetermined diameter, a rotatable brush submerged in said solution and mounted in spaced relation to the inner surface of said wall, a stationary helical ramp carried by said tank and mounted in the space between said wall and said brush, egg feeding means mounted in the bottom of said tank in said solution for initially wetting the eggs with the solution and for feeding them to the lower end portion of said wall and to the receiving end of said ramp, and means located within said tank at the discharge end of said ramp and submerged in said solution for discharging eggs from the top end portion of said wall into said tank.

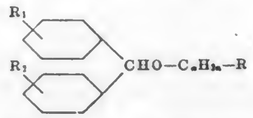
2,454,091
HEATER FOR LIVESTOCK WATERING TANKS
George A. Rietz, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 20, 1945, Serial No. 629,788
10 Claims. (Cl. 219—38)



3. A heater for livestock watering tanks comprising a buoyant body arranged to float on the water in the tank, and electric heating means carried by said body extending substantially completely around the outside of said body and arranged to heat the water in proximity to said body so as to maintain said body free of ice, said body being of such size and shape as to adapt it to be depressed by the livestock to obtain access to the water in the tank, and electric supply conductor means for said heater secured to said body so as to serve as an anchor for said body.

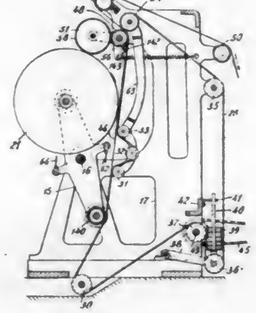
2,454,092
BENZHYDRYL AMINO ETHERS
George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 2, 1947, Serial No. 751,983
8 Claims. (Cl. 260—243)

1. A compound of the class consisting of a free base, its acid addition salts, and hydrocabon halide, hydrocarbon sulfate and hydrocarbon sulfonate quaternary salts, said free base having the formula,



where n is an integer of 2 to 6 inclusive, R is a member of the class consisting of piperidino, morpholino, thiomorpholino and pyrrolidino radicals and R_1 and R_2 are members of the class consisting of hydrogen, halogen, lower alkyl and lower alkoxy.

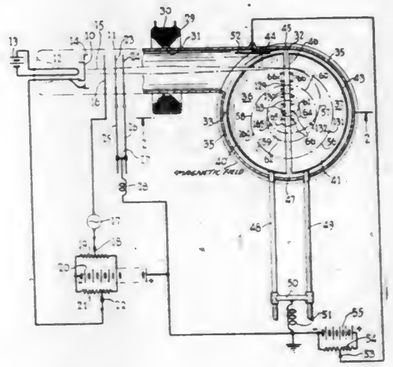
2,454,093
WEB SPLICING DEVICE
Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application February 6, 1945, Serial No. 576,477
17 Claims. (Cl. 242—58)



1. In web splicing apparatus, in combination with a running web and a new web roll rotatably mounted with its cylindrical surface substantially parallel to the running web and movable toward the running web, means for accelerating the new roll to a surface velocity approximating the speed of the running web comprising rotary means driven solely by the running web and engageable with the surface of the new roll when it is moved toward the running web.

2,454,094
ELECTRON DISCHARGE DEVICE FOR PRODUCING ELECTRIC OSCILLATIONS
Adolph H. Rosenthal, New York, N. Y., assignor to Scophony Corporation of America, New York, N. Y., a corporation of Delaware
Application January 21, 1944, Serial No. 519,130
8 Claims. (Cl. 250—36)

1. An electric discharge device for producing electric oscillations, comprising substantially an envelope including two communicating spaces, an electron gun in the first of said spaces for directing an electron beam into the second of said spaces, means for modulating within said first space the velocities of the electrons of said beam to form recurrent electron concentrations within said second space at predetermined distance from said modulating means, two hollow electrodes arranged in said second space, an aperture in one of said electrodes facing said first space so that said electron beam can enter therethrough the cavity of said electrode, said electrodes arranged so that their cavities communicate and their adjacent edges are narrowly spaced to form a gap in a plane essentially perpendicular to the path of said beam, means for inducing a



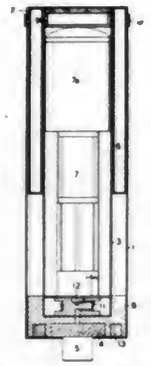
magnetic field of predetermined strength passing said second space and the cavities of and gap between said electrodes, said field substantially perpendicular or slightly inclined to the path of said beam and charge concentrations formed therein to cause the electrons comprised by the latter to spin in circular orbits within the space of said communicating cavities, a resonating circuit connected with said electrodes to produce across said gap an electric field component of alternating polarity, said circuit tuned to the output frequency and controlling said field component to decelerate the electrons of each concentration crossing said gap, and collecting electrodes for said decelerated electrons arranged close to or inside said gap.

2,454,095
FIGURE BASE
Louise K. Sandlovich, Lincoln, Nebr.
Application November 14, 1946, Serial No. 709,843
5 Claims. (Cl. 248—194)



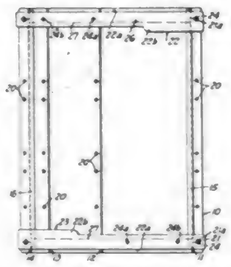
5. The combination of a figure having feet with toe portions and a figure supporting base including a flat bottomed block having a recess adapted for removably retaining the feet of the figure, and retaining members extending transversely above and across portions of said recess to engage toe portions of said feet preventing rearward tilting of the figure.

2,454,096
MEANS FOR DISCHARGING ROCKETS
Conrad David Schermuly, Alfred James Schermuly, and Charles Schermuly, Parkgate, Newdigate, England, assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, England, a British company
Application July 22, 1944, Serial No. 546,162
In Great Britain May 11, 1943
3 Claims. (Cl. 102—7)



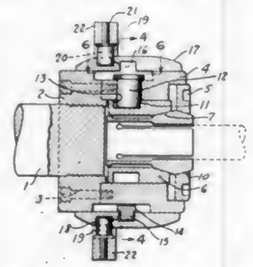
1. A device adapted to be dropped from aircraft into water and to discharge a rocket when in the water, comprising an inner casing, a buoyancy chamber on said inner casing, a rocket in said inner casing, an outer casing surrounding at least the lower part of said inner casing and buoyancy chamber, an igniter on said outer casing adapted to be operated after the device strikes the water, a burster arranged to be ignited by said igniter, a delay fuze arranged to be ignited by said burster, a second burster arranged to be ignited by said delay fuze, whereby upon explosion of said first-mentioned burster, said inner casing is ejected from said outer casing and upon explosion of said second burster said rocket is ejected from said inner casing and simultaneously ignited.

2,454,097
PHOTOGRAPHIC PRINTING EASEL
Floyd V. Schleimer, San Francisco, Calif.
Application March 2, 1946, Serial No. 651,444
3 Claims. (Cl. 88—24)



1. In a photographic enlargement easel, a base, a fixed flanged guide adjacent one side edge of said base, a second strip-like flanged guide adapted to be positioned in any one of a plurality of predetermined positions parallel to said first named flanged guide, the flanges on said guides forming masking media adapted to overlie the side edges of enlarging paper placed on said base, a pair of reversible opaque masking members extending the width of said base, a plurality of pins adjacent the side edges of said base, openings in said masking members adapted to receive selected pins so that said opaque masking members may be placed parallel to each other over said base at a desired distance apart, at least one of said end masking media having one straight edge and one irregular edge whereby either a straight or irregular edge may be caused to overlie the adjacent edge of said enlarging paper.

2,454,098
COLLET CHUCK
John G. Schmidt, Detroit, Mich., assignor to Arthur V. Whittington, Detroit, Mich.
Application November 30, 1943, Serial No. 512,356
11 Claims. (Cl. 279—50)



8. A chuck comprising a tubular retainer adapted to be rigidly attached to a rotatable spindle, a collet mounted in said retainer, a collet actuating bushing mounted to slide axially on said collet, cams mounted to turn on radial axes in said retainer and having portions engageable with said bushing to move the same axially, a sleeve slidable axially upon said retainer, means operably connecting said sleeve to said cams to turn the same upon axial movements of said sleeve, and means for shifting said sleeve.

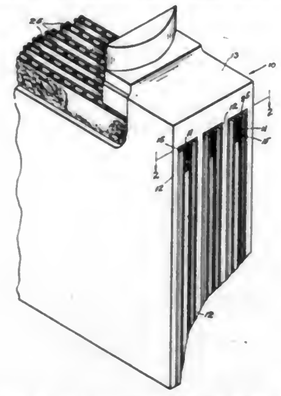
2,454,099
PROCESS FOR CLEAVING THE —S—S— GROUP IN DIALKYL DISULFIDES
Frank K. Signaigo, Brandywine Hundred, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 24, 1944, Serial No. 523,744
5 Claims. (Cl. 260—609)

1. A process for cleaving the —S—S— group in dialkyl disulfides of the general formula R—S—S—R, wherein the R substituents are alkyl groups, which process comprises heating an olefin with an approximately equimolar amount of such a dialkyl disulfide in the presence of a sulfactive hydrogenation catalyst at a temperature within the range of from 125° C. to 250° C. under autogenous pressure.

2,454,100
BATTERY PLATE SEPARATOR
Games Slayter, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application December 20, 1943, Serial No. 515,039
4 Claims. (Cl. 136—145)

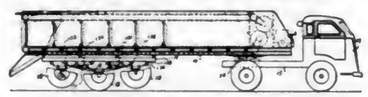
1. A battery plate separator comprising a pair of superposed fibrous glass mats, the mats being

spaced apart with adjacent faces of said mats in uniformly spaced-apart relation over their substantially entire area by a plurality of rods of synthetic resin interjacent said mats and bonded in



line contact to the inner faces of both mats, said rods being substantially circular in cross-section and being arranged in laterally spaced apart relation to provide for maximum circulation of electrolyte between the mats.

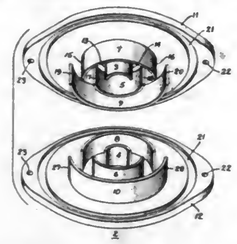
2,454,101
DUMPING VEHICLE
Edwin B. Snead, Austin, Tex.
Application March 18, 1946, Serial No. 655,204
21 Claims. (Cl. 214—83.22)



1. A dumping vehicle including, a portable body having an imperforate floor, endless chains carried by said body, spaced transverse partitions across the body in close proximity to the floor movable longitudinally of said body carried by said chains, each partition extending continuously from one side of the body to the opposite side thereof, whereby a batch of loose material may be wholly confined between adjacent partitions and moved progressively rearwardly as preceding batches are discharged from the body, means for driving the chains, and means for automatically stopping travel of the chains when a partition reaches a predetermined dumping position.

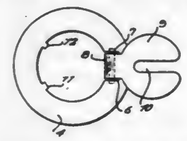
2,454,102
ELECTRIC CAPACITOR
John D. Stacy, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 2, 1948, Serial No. 266
10 Claims. (Cl. 175—41)

1. In a capacitor, a pair of identical electrode units, each of said units comprising a plurality of spaced and electrically interconnected conducting electrodes projecting from a common supporting plate and concentrically disposed about a common axis, said supporting plates spaced a predetermined distance and the electrodes of one unit projecting toward, interleaved with and spaced from the electrodes of the other unit, each of said electrodes comprising a surface of curved configuration having an angular extent of less than 180° and each of the electrodes of one unit located on opposite sides of a plane passing through said common axis from an identical elec-



trode of the other unit so that corresponding sides of said identical electrodes will face each other and corresponding points of said identical electrodes are an equal distance from said plane.

2,454,103
FASTENER
Stanley T. Swidersky, Houtzdale, Pa.
Application June 28, 1946, Serial No. 680,262
1 Claim. (Cl. 24—245)



A fastener consisting of an annularly recessed cap, locking fingers extending inwardly from the rim of said cap and overlying the recessed interior thereof, a hinge socket in said cap, a circular securing plate pivotally hinged in said socket, said plate fitting within the annular recess and engaged by said locking fingers, and a headed button engaging slot in said securing plate.

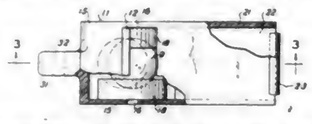
2,454,104
PREPARATION OF N^1-ACYL SULFANILAMIDE
William B. Tarpley, Jr., Chatham, N. J., and August I. Ryer, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application December 10, 1943, Serial No. 513,716
8 Claims. (Cl. 260—397.7)

1. Process for the manufacture of N^1-acyl sulfanilamides which comprises treating sulfanilamide in an approximately anhydrous solvent with a strong mineral acid of the class consisting of perchloric, chlorsulfonic and sulfuric acids, to form an acid addition product at the p-amino group and subjecting the compound to the action of an acylating agent to form the N^1-acyl derivative.

2,454,105
MULTITONE WHISTLE
Josephus Thompson, Covington, Ohio, assignor of one-third to Grossman Music Company, Cleveland, Ohio, a partnership
Application June 26, 1946, Serial No. 679,322
1 Claim. (Cl. 46—179)

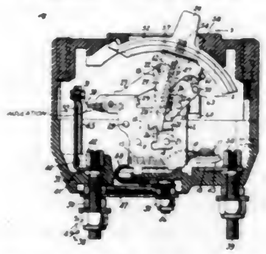
A multi-tone whistle, comprising in combination, a body member including a cylindrical sound chamber including walls at each end thereof and parallel to each other, the said chamber having

a transverse opening therein extending between the said parallel walls, the said body member also including a mouth piece integral therewith and having an air passage opening into the said transverse chamber opening, the said body member also including a blade portion integral therewith at the said transverse chamber opening and being spaced from and opposite to the said air passage opening, each of the said walls having an annular race on the inner side thereof aligned with



and facing each other and each wall also having a central hole therein concentric with the circular race proximate thereto, and a ball in the sound chamber rollable on the said aligned races and revolvable around the said hole and producing a smooth tremolo sound effect when air is blown through the said mouth piece against the said blade, either or both of the said holes being closable as desired to produce different sound pitches when the whistle is blown.

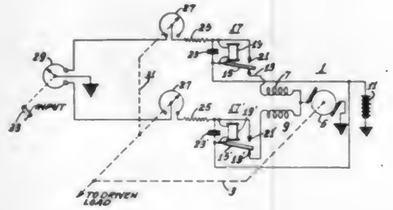
2,454,106
CIRCUIT BREAKER
Fred G. von Hoorn, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Original application June 25, 1943, Serial No. 492,284, now Patent No. 2,422,508, dated June 17, 1947. Divided and this application April 7, 1947, Serial No. 739,765
5 Claims. (Cl. 200—116)



1. The combination in a circuit breaker of a pivoted trip arm normally held by a current responsive means in a predetermined angular position, means for moving said trip arm when released by said current responsive means to open the circuit breaker, a pivoted operating member movable in the same angular direction to close the circuit breaker as said trip arm moves to open said circuit breaker, and a lever pivotally mounted at an intermediate point of said lever and having its ends arranged for abutting engagement with said trip arm and said operating member respectively for causing simultaneous movement of one by the other.

2,454,107
SERVO MECHANISM
Sidney Wald, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1947, Serial No. 794,978
2 Claims. (Cl. 318—28)

2. A follow-up system including an electric motor, means for energizing said motor to develop a torque in one direction of rotation, said means including a periodic switch having an actuating circuit, said switch remaining open during intervals of substantially constant lengths and remaining closed during intervals of lengths which depend upon the energization of said actuating circuit; furtner means, similar to said first mentioned means for energizing said motor to develop a torque in the opposite direction of rotation; a bridge network including the actuating circuit of said first mentioned means and that of said last mentioned means in two of its arms,



and two variable resistors connected respectively in series with said means; an adjustable voltage divider constituting two further arms of said bridge circuit, and means responsive to rotation of said motor to adjust said two variable resistors differentially, whereby said motor tends to maintain said bridge circuit in balance with the ratio between the lengths of the opened and closed periods of said first periodic switch equal to the ratio between the lengths of the opened and closed periods of the other of said periodic switches.

2,454,108
PREPARING ORGANIC SULFIDES
Cheves T. Walling, Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 16, 1944, Serial No. 522,632
10 Claims. (Cl. 260—399)

1. The method of preparing organic sulfides which comprises reacting an organic mercaptan which, except for the sulfur of the mercapto group, consists of carbon and hydrogen with an aliphatic ester of a long chain fatty acid containing at least one olefinic double bond in the presence of elementary selenium in a proportion of from about 1 mol per cent to about 10 mol per cent based on the reactant which is employed in the smallest molar quantity in a closed vessel at temperatures of from about 150° C. to about 250° C.

2,454,109
CRAYON HOLDER
Harry F. Waters, New York, N. Y.
Application March 19, 1945, Serial No. 583,459
3 Claims. (Cl. 120—18)

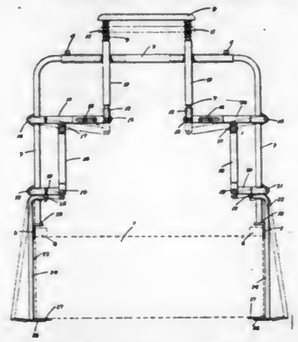
1. As a unitary article of manufacture, a crayon holder comprising a substantially tubular member consisting of a plurality of adjacent strips of material arranged in parallel relationship and each following a spiral path about a common central axis, said member being adapted to receive therein in slidable relationship a crayon, and a manipulation member designed for attachment to the crayon and projecting outwardly between adjacent convolutions of said strips a slight

distance beyond the confines of the tubular member, said tubular member forming a shank for



the crayon holder adapted for direct contact with the fingers of the user.

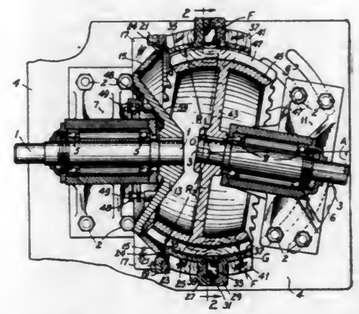
2,454,110
LUG BOX LIFTER
Paul Weaver, Rio Vista, Calif.
Application November 8, 1945, Serial No. 627,312
5 Claims. (Cl. 294—115)



1. A lug box lifter comprising a bail-like handle having spaced, depending arms, a hand grip disposed adjacent and parallel to the top of the handle above the latter, vertical plungers depending from the hand grip, vertical guide sleeves on the top of the handle, the plungers slidably extending through the guide sleeves, a leg unit depending from each arm and pivoted in connection therewith for swinging motion in a plane lengthwise of the handle, inwardly projecting feet on the leg units at the lower end adapted to engage beneath opposite ends of a lug box when the leg units are in a predetermined position, and means between the plungers and corresponding leg units operative to swing the leg units to and from said position upon reciprocation of said plungers.

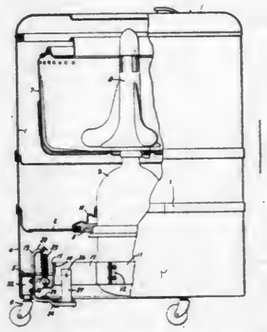
2,454,111
UNIVERSAL ANGLE DRIVE
Martin P. Winther, Waukegan, Ill., assignor to Martin P. Winther, Waukegan, Ill., trustee
Application November 14, 1946, Serial No. 709,837
4 Claims. (Cl. 172—284)

4. A constant velocity-ratio universal coupling for effecting a substantially angled mechanical drive comprising male and female driving and driven members rotary on angled axes having an intersecting point, one of said members having flux-concentrating polar members the outer peripheries of which are defined spherically with a center substantially at said point, the other member having an adjacent relatively uninterrupted inductor surface also defined spherically with a center substantially at said point, the resulting spherically defined polar peripheries of the flux-concentrating polar members and said spherically defined inductor surface being spaced by means of a constant spherical air gap irrespective of the angle of said axes, at least one annular by looped excitation coil carried on one of said members in a plane substantially perpen-



dicular to its axes of rotation and generating a toric flux field interlinking both of said members and passing through said polar members and through said inductor surface, the inductor surface and the polar members being magnetic, means for variably exciting said field coil, and means for adjustably maintaining said axes for intersection at said point, the spherical extents of said inductor surface of said polar members in the directions of their meridians being such that interlinking of the toric flux field with both of said members is substantially uninterrupted over the available range of adjustments of said axes.

2,454,112
SUPPORT FOR SPIN BASKET FOR CLOTHES-WASHING MACHINES AND THE LIKE
Thomas T. Woodson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 24, 1947, Serial No. 730,308
6 Claims. (Cl. 210—72)



1. In combination, a unitary structure comprising a spin basket, a casing and mechanism in the casing for rotating the basket; a support

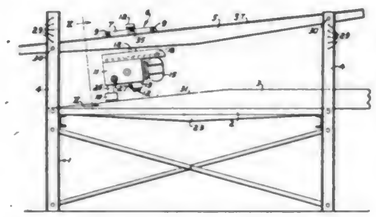
surrounding the lower end of the structure in radially spaced relation thereto, circumferentially spaced radially extending arms carried by the lower end of the structure, brackets carried by the support having ends positioned over the ends of said arms, tension spring means connecting the ends of the arms to the ends of said brackets, and friction damping means carried by said support engaging the sides of said arms whereby they serve to dampen vibration in a vertical direction.

2,454,113
VIOLIN BRIDGE
William J. Ake, Cincinnati, Ohio
Application December 5, 1945, Serial No. 633,000
3 Claims. (Cl. 84—309)



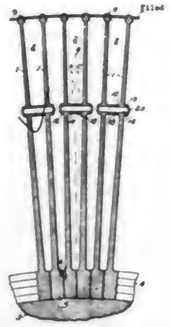
1. A violin bridge consisting of, laminations of wood glued together to provide a string supporting upper edge and a lower supporting edge for contact with the top of the violin, one of said laminations being thin at the top and relatively thicker at the bottom and having its grain disposed at right angles to the string supporting edge and the other of said laminations being thick at the top and thin at the bottom and having its grain disposed at right angles to the grain of the first lamination.

2,454,114
SCARFING MACHINE
George Norman Albree, Winchester, Mass.
Application January 18, 1945, Serial No. 573,441
2 Claims. (Cl. 144—118)



1. A machine of the class described comprising a supporting frame, a stationary rigidly supported work-supporting bed mounted on said frame and extending from one end to the other thereof, a pair of rigid parallel tracks having a relatively widely spaced relation, means rigidly supporting said tracks directly above the bed, a carriage movable on said tracks, a column rigid with and depending from the carriage and having its axis at right angles to the plane of the tracks, a machine head mounted on said column for bodily turning movement thereabout, a tool-carrying shaft depending from the machine head and situated parallel to but out of line with the column, a cutting tool mounted on the lower end of said shaft, a tool operating motor mounted on said machine head and situated on the opposite side thereof from the tool-carrying shaft, and means connecting said motor to said shaft.

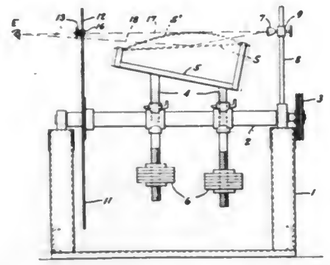
2,454,115
TURBINE BLADING
Robert C. Allen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 2, 1945, Serial No. 586,110
7 Claims. (Cl. 253—77)



1. In a turbine rotor or the like provided with a row of relatively long blades each having an enlarged root part presenting plain oppositely facing surfaces abuttingly engaged with the like root-part surfaces on adjacent blades to thereby position the opposed fluid confining faces of the blades in correctly spaced passage-forming relation, means rigidly uniting said blades in pairs with their opposed fluid confining faces disposed in correctly spaced passage-forming relation as determined by the abutting engagement of their said root parts comprising a part of each blade remote from its root part enlarged so as to provide a pair of oppositely extending alined integral projections, said projections presenting plain end surface portions disposed in spaced opposed relation with respect to the plain end surface portions of the projections on adjacent blades, said blades each having a rivet-receiving hole intersecting the respective plain end surface portion and extending through the enlarged portion of the blade through the other side thereof with the holes through adjacent blades disposed in substantial alinement, a filler piece disposed between and end-abutting the spaced opposed end surface portions of the projections presented by the opposed faces of each pair of blades, said filler piece having a hole therethrough alined with the holes extending through the projections abutting same, and a rivet member extending through said alined holes and rigidly uniting each pair of blades with the projections on the opposed faces thereof disposed in firm end-abutting engagement with the opposite ends of the filler piece interposed therebetween.

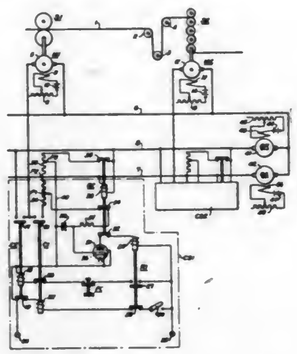
2,454,116
APPARATUS FOR CONTROLLING CENTRIFUGAL FORMATION OF SHEET MATERIAL
Robert S. Ames, Mauritz P. Peterson, and John C. Feldscher, Akron, Ohio, assignors to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application June 14, 1946, Serial No. 676,694
9 Claims. (Cl. 18—19)

3. Apparatus for forming a heat softened sheet including a jig for supporting edges of the sheet, means for rotatably supporting the jig, an adjustably positioned stationary light source, a sighting disc rotatable with the jig, said disc having a sighting aperture through which the operator can periodically, during the rotation of the disc, see the light source and the reflection of the light source on the sheet being formed, a sighting means adjustably carried in association



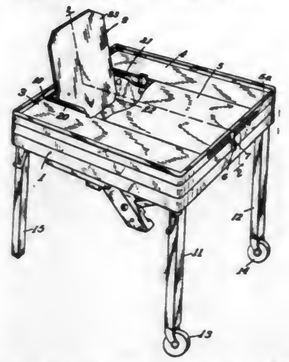
with the aperture in the sighting disc, said sighting means and light source being aligned to define the line to which the sheet is to be shaped, and means to rotate the jig to centrifugally shape the sheet substantially until the reflection of the light source verges into the line between the light source and the sighting means.

2,454,117
BUS TRANSFER SYSTEM
Earl B. Ankenman, Braintree, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1947, Serial No. 731,510
9 Claims. (Cl. 318—393)



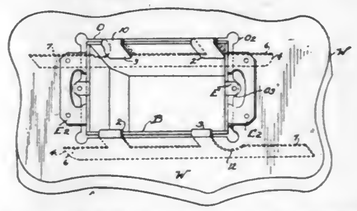
1. A system for transferring a direct-current motor from starting to running connections, comprising voltage-responsive control means responsive to the occurrence of a given low differential voltage between running and starting connections, current-responsive control means responsive to the occurrence of a given low motor current, electromagnetic contactor means having contacts for switching the motor from starting to running connections and coil means for controlling said contacts, an electronic trigger tube having a plate circuit connected with said coil means and having a trigger circuit connected with said voltage-responsive control means and said current-responsive control means for triggering said tube only when both said control means have responded to said given voltage and current respectively.

2,454,118
COMBINATION TABLE AND CHAIR
Ralph S. Athey, Tarentum, Pa., assignor to Baby Haven Manufacturing Company, Brackenridge, Pa., a corporation of Pennsylvania
Application April 23, 1947, Serial No. 743,258
9 Claims. (Cl. 155—123)



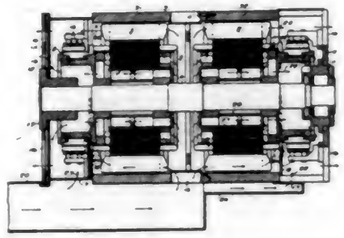
1. A table having a top provided with an opening, means for supporting said table and secured to the underside thereof, a chair, means for slidably supporting said chair within said opening, means for allowing introduction of said chair into said opening from above said top, said chair including a back rest, said first-named means including guiding means for guiding the seat of said chair horizontally below the surface of said table after said chair is introduced into said opening from above the table top to adjustably vary the size of said opening and accommodate different sized infants in said chair, the removal of the chair providing an unobstructed opening whereby a panel may be placed on said table top to cover said opening.

2,454,119
SWITCH BOX SUPPORT
Earl B. Atkinson, Bay Village, Ohio
Application June 6, 1947, Serial No. 752,973
2 Claims. (Cl. 248—27)



1. A switch box securing device comprising a flat bar of stiff but somewhat ductile metal having a length several times that of its width, and having spaced securing fingers integral therewith and extending from one edge, and adapted to be bent over the edge of the box and have their ends engage the inside of the same, the bar extending each way from the spaced apart fingers a distance sufficient to provide substantial engagement with the back of a wall into which the switch box is fitted, and having a sloping surface at one end of the bar and a cutaway portion at the juncture between the remote finger and the adjacent edge of the bar to facilitate inserting the bar edgewise beside the box in its receiving opening.

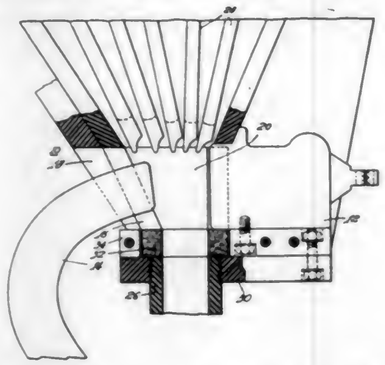
2,454,120
DUAL GENERATOR VENTILATION
Clarence A. Atwell, Pittsburgh, and Erich O. Mueller, Irwin, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1947, Serial No. 745,024
4 Claims. (Cl. 171—252)



1. A dynamo-electric machine comprising: a stationary field-member having a tubular outer frame-portion which provides a magnetizable yoke-member, a plurality of salient pole-members projecting inwardly from the yoke-member, a rotatable shaft, an armature-member carried by the shaft in cooperative relation to the field-poles, a commutator-member carried by the shaft at the front side of the armature-member, said field-member carrying brushes bearing on said commutator-member, said commutator-member having a smaller outer diameter than said armature-member, said tubular outer frame-portion having one or more front-end air-inlet perforations radially opposite the inner end of said commutator-member, said frame having a front end-member having one or more openings for providing an exhaust-vent or vents for a substantially axially moving stream of exhaust-air from the machine, means for providing a supply of ventilating-air at the rear end of the machine, whereby a stream of cooling-air flows axially through the machine, past the salient pole-members in the annular space between the tubular outer frame-portion and the outer diameter of the armature-member, then over the commutator-member and out through said exhaust-vent or vents, and means for bleeding off a relatively small volume of air from said rear-end supply of ventilating-air, outside of the tubular outer frame-portion, and directing it radially into the machine toward the commutator-member through said front-end air-inlet perforation or perforations.

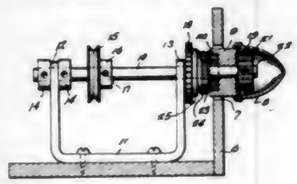
2,454,121
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, and Donald C. Harker, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 3, 1945, Serial No. 586,400
7 Claims. (Cl. 200—148)

1. An electric circuit interrupter comprising, in combination, conductor means between which an arc is formed on interruption of the circuit, arc extinguishing and confining means disposed along the path of the arc from which an arc extinguishing medium can be evolved due to the heat of the arc for extinguishing the same, and a blast tube for conveying and directing a gaseous medium for blowing the arc into the arc-extinguishing and confining means, at least that portion of the blast tube nearest the conductor means being composed of an insulating, non-moisture absorbing, non-vapor glazing, thermal



shock-resisting porcelain type ceramic having less than 65% silica.

2,454,122
SELECTIVE SINGLE CONTROL MECHANISM
Fred H. Barger, Dayton, Ohio
Application May 23, 1945, Serial No. 595,460
2 Claims. (Cl. 192—48)

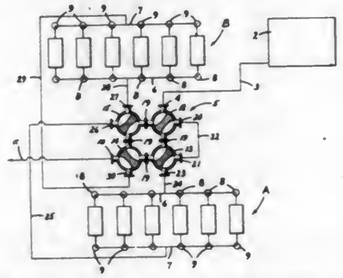


1. A selective control mechanism for operating a plurality of motion transmitting members mounted behind a panel selectively by means of a single control member arranged in front of the panel, comprising a shaft mounted behind the panel provided with a portion projecting through the panel, motion transmitting members on said shaft, one of said members being mounted fixedly and one of said members being mounted loosely on said shaft, a coupling member fixed on the shaft portion projecting through said panel, an axially shiftable control member and a hand operated knob associated with the same loosely mounted on the portion of the shaft projecting through the panel between the aforementioned coupling member and the loosely mounted motion transmission member, means for effecting a rotational coupling formed on each side of said axially movable member and coupling means engageable therewith on said fixed coupling member and on said loosely mounted transmission member.

2,454,123
ENAMEL COMPOSITION
Charles J. Bartholomew, Birmingham, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
No Drawing. Application July 22, 1944, Serial No. 546,213
7 Claims. (Cl. 260—33.6)

1. A baking enamel comprising, an alkyd resin and a volatile hydrocarbon thinner having a boiling point of less than 200° C., and from 2–10% kerosene based on the combined weight of the other components of the enamel which, upon the initial application of the baking heat, causes the enamel to flow forming a smooth surface and which, upon the remaining application of said baking heat, dries and leaves said resin otherwise unaffected thereby, said kerosene having a boiling range above the boiling range of said thinners.

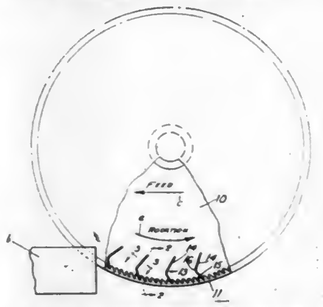
2,454,124
SERIES FILTRATION
Edwin T. Birsch and William D. Silcox, Lewistown, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 25, 1946, Serial No. 664,879
2 Claims. (Cl. 210—62)



1. Apparatus for filtering dispersions comprising a set of filters connected in parallel between a supply header and a discharge header therefor, a second set of filters connected in parallel between a supply header and a discharge header therefor, a supply conduit, a discharge conduit, a set of four four-way valves arranged at the corners of a quadrilateral conduit system, each valve having four ports, of which two are connected with the adjacent ports of the adjacent valves, the third port of two adjacent valves being connected together, the remaining port of one of the last-mentioned adjacent valves being connected to the supply conduit, the remaining port of the other of the last-mentioned adjacent valves being connected to the supply header of the second set of filters, the adjacent port of another valve adjacent the last-mentioned valve being connected to the discharge header of the first set of filters, the remaining port of said other valve being connected to the discharge conduit, a third port of the remaining valve adjacent the last-mentioned port being connected to the discharge header of the second set of filters, and the remaining port of the last-named valve being connected to the supply header of the first set of filters.

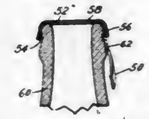
2. Apparatus for filtering dispersions comprising a set of filters connected in parallel between a supply header and a discharge header therefor, a second set of filters connected in parallel between a supply header and a discharge header therefor, a supply conduit, a discharge conduit, a set of four four-way valves arranged at the corners of a quadrilateral conduit system, each valve having four ports, of which two are connected with the adjacent ports of the adjacent valves, the third port of two adjacent valves being connected together, the remaining port of one of the last-mentioned adjacent valves being connected to the supply conduit, the remaining port of the other of the last-mentioned adjacent valves being connected to the supply header of the second set of filters, the adjacent port of another valve adjacent the last-mentioned valve being connected to the discharge header of the first set of filters, the remaining port of said other valve being connected to the discharge conduit, a third port of the remaining valve adjacent the last-mentioned port being connected to the discharge header of the second set of filters, and the remaining port of the last-named valve being connected to the supply header of the first set of filters, and means for simultaneously operating said valves.

2,454,125
CUTOFF WHEEL
Fred M. Bley, Glenview, Ill.
Application March 2, 1946, Serial No. 651,579
7 Claims. (Cl. 51—206)



1. As a new article of manufacture, a cut-off wheel adapted to be driven about its axis in one direction and comprising a disc having a cutting periphery, said disc being provided with liquid receiving slots therethrough extending outward thereof toward and terminating adjacent its periphery, the lengthwise walls of the respective slots being normal to the plane of said disc, the respective slots comprising a substantially straight inner portion inclined outwards with respect to the axis of said disc in a direction away from the direction of drive of the wheel and a substantially straight outer portion inclined outwards with respect to the axis of said disc in a direction toward the direction of drive of said wheel.

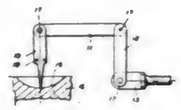
2,454,126
BOTTLE CLOSURE
Samuel Bloomfield, Wichita, Kans., assignor, by direct and mesne assignments, to C. Earl Hovey, Kansas City, Mo., trustee
Application January 8, 1945, Serial No. 571,765
1 Claim. (Cl. 215—46)



For a bottle having an open mouth defined by an annular lip and a crown cap for said mouth of the bottle, said cap being provided with an annular skirt terminating in a free edge below the lip of said bottle when the cap is operably mounted on the bottle; a combined sealing and cap removal device comprising a body of flexible material having a gasket portion disposable within said cap against the lip of said bottle, and a pair of tongues integral with said gasket portion and extending therefrom in diametrically op-

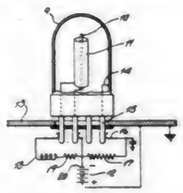
posed relationship, one of said tongues having a length substantially equal to the width of said skirt of the cap, the other tongue being relatively long and having an enlarged perforated end to present a grip below the free edge of the annular skirt when the body is operably mounted in said cap, said tongues extending substantially perpendicular to the gasket portion of the body when mounted between said cap and the mouth of said bottle.

2,454,127
MASK WITH ADJUSTABLE SUPPORTING MEANS FOR PROFILE PROJECTORS
Hubert Boardman, Rochdale, England
Application November 14, 1945, Serial No. 628,600
In Great Britain November 18, 1944
5 Claims. (Cl. 88—24)



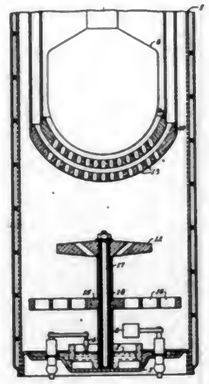
1. Means for use with a profile projector for producing a chart the equivalent of an image or silhouette point by point of a profile normally inaccessible to the light ray of the projector, comprising a mask adapted to set in different positions in contact with the said profile, means for supporting said mask in such positions, and a template which is a replica of the image of that part of the mask engaging the profile, said mask and template having means whereby the template may be placed on the chart congruent with the incomplete image thereon of the mask so that the silhouette of the hidden profile-contacting portion of the mask may be recorded on the chart for a plurality of different positions of the mask and the contours of the hidden portion of the profile obtained therefrom.

2,454,128
ELECTRICAL SYSTEM
Wilson P. Boothroyd, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 24, 1944, Serial No. 560,141
6 Claims. (Cl. 250—27)



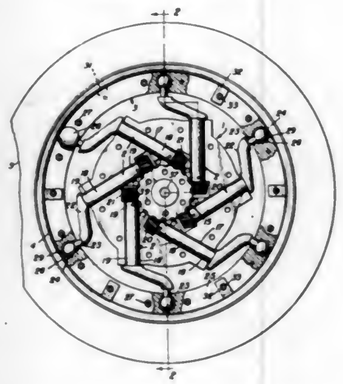
5. In an electronic tube system of the type employing at least one electron tube with a conductive enclosing envelope, direct current power supply means to maintain the cathode of said tube at a high negative potential with respect to ground, and means for normally maintaining said conductive envelope at substantially the same direct current potential as said cathode, the last-mentioned means comprising a high resistance conductively connected between said cathode and said conductive envelope.

2,454,129
VAPOR ELECTRIC DEVICE
John L. Boyer, Wilkinsburg, and Robert J. Ballard, West Newton, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 23, 1947, Serial No. 781,632
8 Claims. (Cl. 250—27.5)



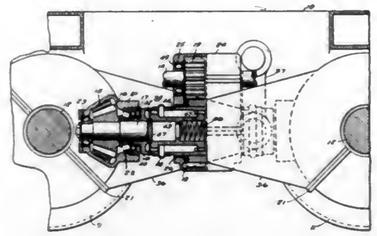
1. A vapor-electric device comprising an evacuated container; and anode and a cathode in spaced insulated relation in said container, an ionizable vapor in said container, means for periodically initiating a cathode spot on said cathode, cathode spot maintaining means operative to maintain said cathode spot for a predetermined interval after initiation, a control grid between said anode and cathode and electron collecting means interposed between the major portion of said ionizable vapor and said cathode spot maintaining means.

2,454,130
ADJUSTABLE WHEEL STRUCTURE
Armond W. Braun, Grafton, Iowa
Application August 5, 1947, Serial No. 766,337
7 Claims. (Cl. 301—5)



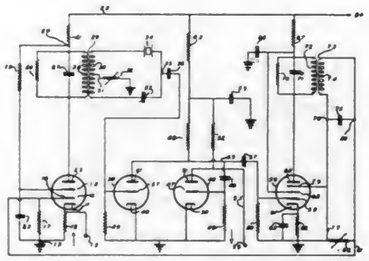
1. In a wheel structure, a hub, a tire retaining rim, and means for adjusting said rim laterally of said hub comprising spokes rotatable in said hub, and means to rotate said spokes in unison.

2,454,131
LOCOMOTIVE DRIVE
Winston A. Brecht, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 26, 1943, Serial No. 500,096, now Patent No. 2,411,363, dated November 19, 1946. Divided and this application October 12, 1945, Serial No. 622,052
5 Claims. (Cl. 105—117)



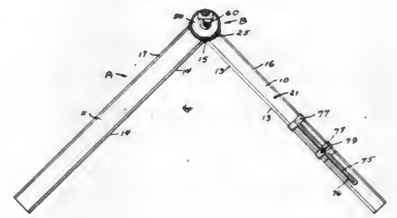
1. In a locomotive drive, in combination, a pair of axles having wheels thereon, frame members disposed between said wheels, a main drive shaft disposed substantially at right angles to the axles, an intermediate gear driven by the main drive shaft and disposed between said frame members substantially midway between the axles, a gear mounted on each axle, an auxiliary shaft for driving each one of the axle gears, said auxiliary shafts being disposed substantially parallel to the main shaft and driven by said intermediate gear, coupling means slidably disposed in the intermediate gear for flexibly connecting each auxiliary shaft to the intermediate gear, spring means disposed between said coupling means, a gear case for enclosing each one of the axle gears, a torque arm for each gear case, and means for movably connecting the torque arms to the frame members on opposite sides of the intermediate gear.

2,454,132
OSCILLATING SYSTEM
Paul F. Brown, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application January 11, 1944, Serial No. 517,896
12 Claims. (Cl. 250—36)



1. An oscillating system comprising a resonant circuit having inductance and capacitance, said circuit having some resistance inherent therein, means for shock exciting said circuit so that oscillations are induced therein, an output circuit from which said oscillations may be taken for utilization, and means operative after a predetermined number of shock-excited oscillations for damping said oscillations, said oscillating circuit having negligible damping during its normal operation and having such high damping upon the operation of said last named means as to suppress oscillations completely almost instantly, an amplifier for said shock-excited oscillations, means for feeding said amplified oscillations back into said shock-excited circuit in opposite phase, and means for rendering said feed-back means inoperative during the time that oscillations are desired.

2,454,133
ATTACHMENT TO GEOMETRICAL INSTRUMENTS
Robert H. Buchhorn, Texas City, Tex.
Application May 23, 1947, Serial No. 750,055
4 Claims. (Cl. 33—46)

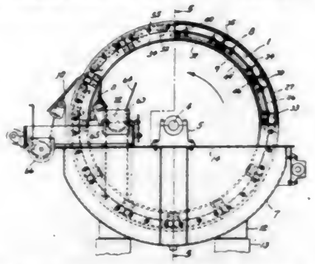


1. In an attachment for a linear measuring instrument provided with a pair of blades fixed to each other and converging together to a corner portion having opposite faces, with an opening extending from face to face, said attachment including a first portion disposed upon one of said faces, provided with degree graduations upon its outer face, an opening and means to prevent rotation of said first portion relative to said blades and to position said first portion so that the axes of said openings will coincide; a second portion rotatable over the outer face of said first portion exclusive of the degree graduations-carrying section thereof, said second portion having an index, a circular opening, a bracket, and a spirit level carried by said bracket with the longitudinal axis of the index normal to the longitudinal axis of the level; a third portion disposed upon the other of the faces of said corner portion, provided with a pair of sights, one in alignment with the other, an opening and means to prevent rotation of said third portion relative to said blades and to position said third portion so that the axis of the opening therein will coincide with the axis of the first-mentioned opening; and means to detachably secure said first, second and third portions to said corner portion, including a shank extending through all of said openings.

2,454,134
ROTARY DRUM FILTER
Ambrose L. Burleson, Berkeley, Calif.
Application January 8, 1945, Serial No. 571,756
13 Claims. (Cl. 210—202)

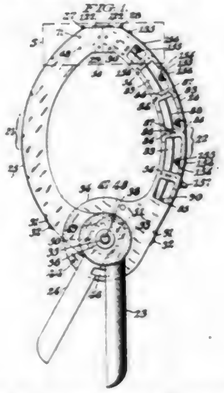
1. In a rotary drum filter of the character described having a cylindrical wall, a plurality of arched screen segments formed and adapted to collectively substantially cover said cylindrical wall, means adapted for securing a separate sheet of cloth over one side of each of the screen segments, and means for holding said cloth in contact over the surface of said screen segment and providing a series of spaced strips extending

across said screen segment outward of said cloth forming tracks for a sludge scraping blade to



bear against, and means for detachably securing said screen segments to said wall.

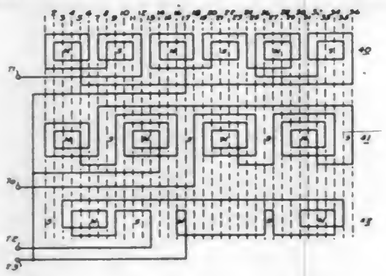
2,454,135
BINDING IMPLEMENT
Joseph R. Burns, Millbourne, Pa.; Thomas A. Foulke executor of said Joseph R. Burns, deceased
Application April 5, 1946, Serial No. 659,980
19 Claims. (Cl. 100—31)



1. In a binding implement comprising opposed interpivoted hollow-jaws and means supplying a binder-medium; means for feeding the binder-medium through one of the jaws to the head portion thereof; means in the other jaw head portion for arrestively gripping the leading end of the binder-medium when projected thereinto; means alternatingly operative to enable application of a length of the binder-medium about an article or bundle and to sever the applied portion, from supply, concurrently with release of the previously gripped leading end; and independently actuable means effective to impart consecutive unidirectional half-turns to the terminal portions of the applied binder-medium whereby said terminal portions are positively twist-locked together.

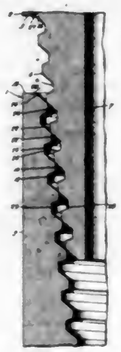
2,454,136
TWO-SPEED SINGLE-PHASE MOTOR
Theodore E. M. Carville, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 3, 1946, Serial No. 713,716
8 Claims. (Cl. 318—224)

1. A single-phase induction motor having relatively rotatable primary and secondary members, a first main primary winding on the primary member, a second main primary winding on the primary member, said first and second main primary windings having different numbers of poles, means for alternatively connecting one or the other of said main primary windings to a single-phase supply line for operation of the



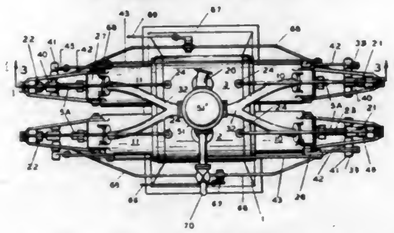
motor at different speeds, a single auxiliary primary winding having a plurality of poles, said auxiliary winding being disposed on the primary member with at least some of its poles displaced from poles of the same polarity of both the first and second main windings, and means for energizing the auxiliary winding from said line.

2,454,137
TUBING TOOL JOINT
Robbins M. Claypool, Bellaire, and David M. Best, Houston, Tex.
Application October 10, 1947, Serial No. 779,102
3 Claims. (Cl. 285—146)



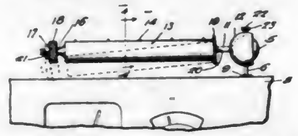
1. A tubing tool joint for use in a production string of tubing and the like, said tool joint comprising pin and box members provided with bores, the upper end of the bore of said pin member being enlarged and threaded and adapted to receive the threaded lower end of an upper section of said tubing, said pin member having a lower, external tapering surface, said box member having an upper, internal tapering surface, mating trapeziform screw threads on said tapering surfaces of said pin and box members, the crests of said threads being flattened for an appreciable extent and extending substantially parallel with the axis of said joint to provide mating engagement of the threads without interference from the crests thereof, said joint having a maximum outer diameter substantially equal to the outer diameter of the usual coupling collar used in connection with said tubing and a minimum inner diameter substantially equal to the inner diameter of said tubing, and said box member having a lower threaded end of reduced diameter adapted to be received in said coupling collar.

2,454,138
ENGINE DRIVEN PUMP
Reinhold Delzer, Portland, Oreg.
Application October 25, 1944, Serial No. 560,250
8 Claims. (Cl. 103—54)



1. A power plant including an internal combustion engine, a hydraulic pump having a movable pump member operated by the engine, a fuel injector for the engine and having a movable injector member operated by the movement of the movable pump member, a pressure tank for storing and distributing the power from the hydraulic pump for further power use, and valved mechanism having an operating member operated by the movement of the movable pump member when it moves the movable fuel injector member for controlling the admission of the pressure medium to the hydraulic pump and the admission of such power medium from the hydraulic pump to the pressure tank.

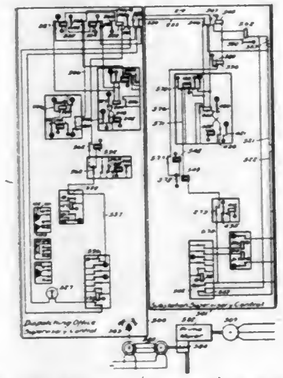
2,454,139
ROAD MAP HOLDER, INCLUDING A ROTATABLE ROLLER
Linus J. De Muth, Fresno, Calif.
Application February 11, 1947, Serial No. 727,884
3 Claims. (Cl. 40—68)



1. A road map holder of the class described comprising a ball, means for securing the ball to a part of a vehicle, an elongated rod, a socket carried by one end of the rod, said socket journaled on the ball for swivel movement of the rod, a roller journaled for rotation on the rod, and a line of longitudinally spaced teeth projecting outwardly from said roller adapted to grip the edges of a conventional map rolled on the periphery of said roller.

2,454,140
REMOTE CONTROL FOR ELECTRIC TRANSMISSION SYSTEMS
Willard A. Derr, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1946, Serial No. 685,060
10 Claims. (Cl. 171—118)

1. A signal system comprising, indicating means responsive in accordance with the polarity and magnitude of an applied voltage, circuit means producing a unidirectional voltage proportional to the difference in frequency between two sources of electrical energy, and means selectively responsive to the direction of the difference in frequency between the sources operable to connect the circuit means to the indicating means in opposite senses in accordance with the direction of the frequency difference.

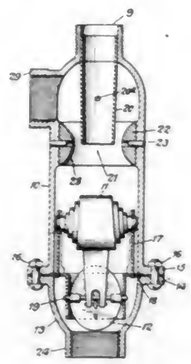


8. The combination in a supervisory control system having control station and remote station supervisory control equipment operable over a signal channel to select a circuit breaker control point and operate the circuit breaker to connect two alternating current sources at the remote station, of frequency responsive means at the remote station operable to produce a reversible unidirectional voltage proportional in magnitude to a difference in frequency between the sources and having a polarity which is dependent upon which source has the greater frequency, transfer means at the remote station operable in response to selection of the circuit breaker control point to disconnect the channel from the supervisory control equipment and connect it to the frequency responsive means, indicating means at the control station selectively responsive to the magnitude and polarity of an applied voltage, transfer means at the control station responsive to the selective and check of the circuit breaker control point to transfer the signal channel from the supervisory control equipment, control means at the remote station operable in response to a predetermined voltage pulse applied to the channel from the control station to render the transfer means at the remote station inoperative, and circuit means at the control station operable to render the transfer means at the control station inoperative in response to operation of the supervisory control equipment to operate the circuit breaker and to effect application of a voltage pulse to the signal channel.

2,454,141
THERMOSTATIC LIQUID CONTROLLING DEVICE
Harold B. Drapeau, Oak Park, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Original application May 2, 1939, Serial No. 271,314. Divided and this application July 5, 1943, Serial No. 493,534
1 Claim. (Cl. 236—34)

A thermostatic liquid controlling device comprising a casing having an inlet at one end thereof and an outlet near said inlet, a tube connected

with said inlet and projecting into said casing and past said outlet, said casing having a second outlet member removably mounted at the other end thereof, a valve for controlling said second outlet, a thermostat in the casing operatively connected with said valve and in the path of the liquid leaving said inlet tube, a restrictor annulus in the



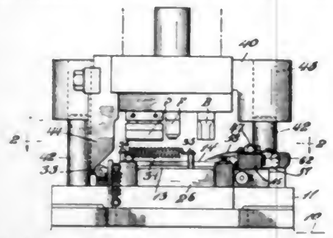
casing between the discharge end of said inlet tube and the first mentioned outlet for restraining return of fluid past the tube until the valve has substantially closed the second outlet, and means connecting the valve and thermostat for insertion, mounting and removal as a single unit in the casing in longitudinal alignment with the inlet tube and said second outlet member.

2,454,142
ELECTROLYTIC RECOVERY OF ZINC
John T. Ellsworth, Collinsville, Ill.
No Drawing. Application February 16, 1942, Serial No. 431,055
1 Claim. (Cl. 204—119)

In the method of recovering zinc from zinciferous materials involving the treatment of the zinciferous material with a cyclic acid zinc sulfate solution and electrodeposition of zinc therefrom, the improvement in reducing prior to electrodeposition the concentration in the solution of soluble salts which exercise a harmful effect during electrodeposition when present in too high a concentration, which comprises withdrawing and evaporating to substantial dryness from about 3 to about 10 percent of the solution, in the course of which a substantial part of the harmful soluble salts therein is rendered insoluble without materially impairing the solubility of the zinc therein, leaching the dried residue of said evaporation with water to dissolve zinc sulfate therefrom, separating the dissolved zinc sulfate from the solid residue, and returning the separated dissolved zinc sulfate to the cyclic solution.

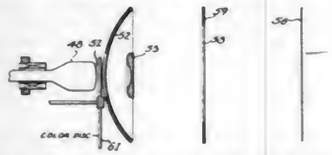
2,454,143
DIE SET WITH FEEDING MEANS
August J. England, Providence, R. I.
Application November 19, 1946, Serial No. 710,755
6 Claims. (Cl. 164—88)

1. The combination with a die set having one die movable toward the other, a work feed comprising means responsive to the movement of said dies toward each other to engage the work and feed the same forwardly, stop means to engage the work and limit the forward movement of the work, said feeding means carrying a portion to engage and render inactive the stop means



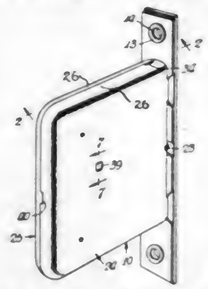
during a portion of the movement of said feeding means.

2,454,144
IMAGE PROJECTION SYSTEM
David W. Epstein, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 27, 1944, Serial No. 556,026
7 Claims. (Cl. 178—5.4)



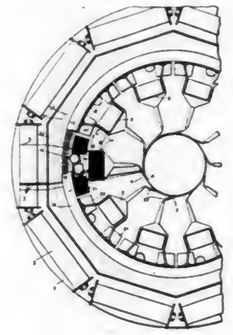
1. An optical system for image projection comprising a cathode ray tube operative to produce a bi-dimensional optical luminous image, an aspherical correcting mirror positioned to receive light from said cathode ray tube, a light reflecting surface of revolution having its concave surface positioned to receive light reflected from said correcting mirror, said correcting mirror being axially aligned with said cathode ray tube and said reflector and having a surface configuration whereby to correct the spherical aberration introduced into the light rays reflected directly by said reflecting surface whereby a sharply focused image of the original luminous image is developed at a plane located a finite distance from the reflecting surface.

2,454,145
LOCK CASING CONSTRUCTION
Andrew Erkkila, Fitchburg, Mass., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts
Application April 29, 1947, Serial No. 744,577
9 Claims. (Cl. 70—448)



1. In a lock having casing sections attached to an end plate, the combination wherein the end plate comprises an outer and an inner segment laminated together, the inner segment being formed with at least one offset portion forming a loop and said casing sections having inturned walls with their edges in contact and inwardly directed fingers engaging said loop portion, holding said plate and sections anchored together, providing a rivet-free outer surface to said end plate.

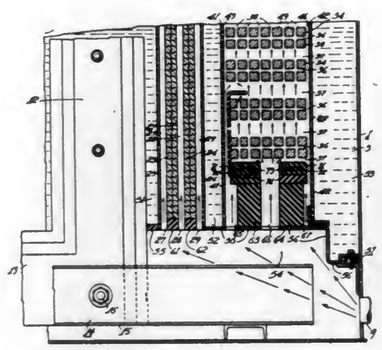
2,454,146
WEAVING MACHINE
Georges Eugène Ezbelent, Paris, France
Application December 15, 1938, Serial No. 245,959
In France December 15, 1937
Section 3, Public Law 690, August 8, 1946
Patent expires December 15, 1957
7 Claims. (Cl. 139—13)



1. A circular loom, comprising self-operated shuttles movable upon a circular track, in which the said self-operated shuttles comprise electric controlling means operating through the distance between shuttles and adapted to maintain a constant spacing between the shuttles, the said electric means consisting of magnets adapted to act upon regulating devices mounted in the circuit of the motor or motors of the self-operated shuttles and adapted to maintain a constant spacing between the shuttles.

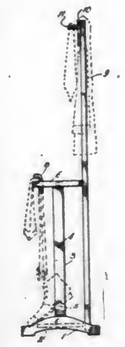
2,454,147
ELECTRICAL APPARATUS
Frederick D. Fielder, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 22, 1945, Serial No. 579,200
5 Claims. (Cl. 175—361)

2. In an electrical transformer, in combination, a core and coil assembly comprising a magnetic core structure having a vertical winding leg, a low voltage winding assembly spaced from and surrounding the winding leg of the core, the low voltage winding assembly including two cylindrical barriers of insulating material positioned in spaced relation from the low voltage winding on the inside and on the outside thereof, respectively, a high voltage winding assembly spaced from and surrounding the low voltage winding assembly and comprising a plurality of flat disc-type coils spaced apart to provide space for the circulation of cooling and insulating liquid therebetween, each coil having a plurality of turns of conductor strands, the conductor strands being spaced radially apart at intervals to provide a plurality of annular passageways through the coils to permit cooling liquid to pass vertically therethrough, the high voltage winding assembly including two cylindrical barriers of insulating material positioned in spaced relation from the high voltage winding coils on the inside and outside thereof, respectively, and a barrier of insulating material below the bottom of the coils of the windings and continuing to the tank wall to prevent cooling liquid from passing upwardly in the space between the high voltage winding assembly and the tank wall, and in the space between the high-voltage winding assembly and



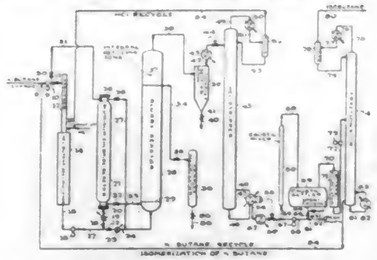
the low-voltage winding assembly, the barrier being provided with openings therethrough positioned to permit the flow of cooling liquid upwardly through the cooling passageways within the winding assemblies adjacent the conductor turns to be cooled, and a barrier in the space between the winding leg of the core and the low voltage winding assembly for limiting the flow of cooling and insulating liquid between the winding leg of the core and the low voltage winding assembly.

2,454,148
GARMENT STAND
William O. Fought, Jr., Parkersburg, W. Va.
Application December 29, 1945, Serial No. 637,815
3 Claims. (Cl. 211—124)



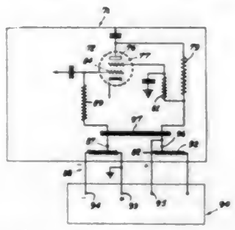
1. In a garment supporter, a stand including a slotted table portion, and a resilient rod having its ends in said table slot and its body contiguous thereto to frictionally engage a garment passing through said slot.

2,454,149
ISOMERIZATION OF NORMAL BUTANE
Leslie U. Franklin and Charles F. Plumhoff, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 31, 1945, Serial No. 625,874
3 Claims. (Cl. 260—683.5)



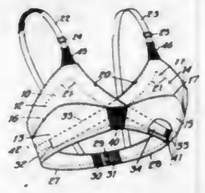
1. A liquid phase process of producing isobutane substantially free from aluminum chloride comprising mixing a charge of normal butane with hydrogen chloride, passing the normal butane-hydrogen chloride mixture in an amount progressing from about 10 to about 90 per cent of the total mixture through a first isomerizing zone containing solid aluminum chloride at a temperature within the range of 160° to 300° F. and at a space velocity between about 2 and about 8, contacting in a second isomerizing zone the effluent stream from the first isomerizing zone and the remainder of the normal butane-hydrogen chloride mixture with a body of aluminum chloride-hydrocarbon complex slurry at a temperature within the range of 160° to 300° F. and at a space velocity between about 2 and about 8 whereby normal butane is isomerized to isobutane in an amount corresponding to an ultimate yield of isobutane substantially less than 100 per cent and also some hydrocarbon side reaction products are formed, reacting the products resulting from the isomerization of normal butane and aluminum chloride freed from said complex whereby said hydrocarbon side reaction products react with said free aluminum chloride, and withdrawing an isomerization product free from aluminum chloride.

2,454,150
VOLTAGE ADJUSTING SYSTEM
Gordon L. Fredendall, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application March 13, 1944, Serial No. 526,287
4 Claims. (Cl. 250—27)



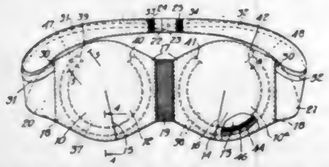
1. In a system for providing desired operating voltages at the electrodes of vacuum tube equipment, a power supply source, adjustable means for providing an adjustable negative biasing potential for the control electrodes of said tubes, means including a voltage dividing resistor for providing operating potentials at the high voltage electrodes of said tubes from said power supply source, a variable resistor in series with said voltage divider and said power supply source, and common operating means for adjusting said bias and said adjustable resistor whereby to maintain the voltage at said high voltage electrodes substantially constant for various degrees of adjustment of said biasing voltage.

2,454,151
BRASSIÈRE
Jack Glick, Bronx, N. Y., assignor to The Gluckin Corporation, New York, N. Y., a corporation of New York
Application January 25, 1945, Serial No. 574,565
3 Claims. (Cl. 2—42)



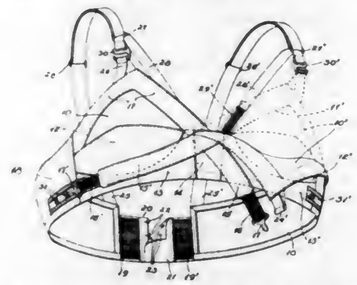
1. A brassière comprising two similar pockets, means comprising side and back bands and shoulder straps for mounting the brassière upon the body of a wearer, means coupling adjacent portions of the pockets, bust supporting members extending from inner edge portions of the pockets to outer side edges of opposed pockets, said members being crossed intermediate the pockets, said members including firm stiffening elements extending throughout the major portion of the length thereof and arranged upon lower portions of the pockets, said pockets comprising inner and outer facings for the entire pockets adapting the brassière to reversible use, and the major portion of said members being freely disposed between said inner and outer facings.

2,454,152
BRASSIÈRE AND SIMILAR GARMENTS
Jack Glick, Bronx, N. Y., assignor to The Gluckin Corporation, New York, N. Y., a corporation of New York
Application February 14, 1945, Serial No. 577,861
5 Claims. (Cl. 2—42)



1. In garments of the class described, a pair of substantially similar breast pockets, said pockets having wide adjacent and outer edge portions, means joining adjacent edge portions of the pockets, side and back bands attached to outer side edges of the pockets, means adjustably and detachably coupling rear end portions of said bands, straps coupled with upper outer edge portions of each pocket and paralleling said bands, when arranged upon the body of the wearer, means on the straps and bands for detachably and adjustably coupling the rear end portion of the straps with the rear end portion of the band of an opposed pocket, to aid in supporting the garment upon the body of the wearer, said pockets being composed of inner and outer facings joined by spaced parallel stitchings arranged at lower and inner and outer side portions of the pockets, said stitchings forming between the facings curved channels, curved brace members arranged in the channels of said pockets, and one of the facings having openings formed therein adjacent one end of the channels for detachable mounting of the brace members with repect to said pockets.

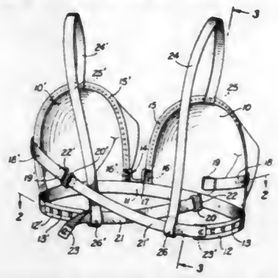
2,454,153
BRASSIÈRE
Jack Glick, Bronx, N. Y., assignor to The Gluckin Corporation, New York, N. Y., a corporation of New York
Application November 15, 1945, Serial No. 628,694
4 Claims. (Cl. 2—42)



1. A brassière comprising a pair of substantially similar pockets, means comprising body encircling bands for supporting the brassière around the body of the wearer, shoulder straps for supporting the brassière upon the shoulder of the wearer, means at upper ends of the pockets and forward ends of the shoulder straps for detachably coupling the shoulder straps with the upper central portions of the pockets, whereby upper portions of each pocket may be lowered to expose the breast for nursing without displacing the brassière from around the body of the wearer, said last named means including supplemental supporting straps extending from the upper central front portion of the brassière and slidably coupled with the forward ends of the shoulder straps and having at their ends coupling hooks and loops at the upper portions of the pockets with which said coupling hooks are detachably coupled, supplemental supporting straps extending from upper, inner sides of each pocket over lower portions of opposed pockets, and means at side portions of the brassière and on ends of the supplemental supporting straps for detachably engaging the straps with side portions of the brassière.

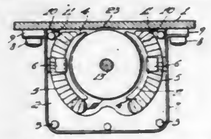
2,454,154
SUPPORTING STRAPS FOR BRASSIÈRES
Jack Glick, Bronx, N. Y., assignor to The Gluckin Corporation, New York, N. Y., a corporation of New York
Application April 25, 1946, Serial No. 664,849
4 Claims. (Cl. 2—42)

1. A brassière having breast supporting pockets, outer side edges of each pocket having a pair of vertically spaced straps, one strap terminating at its free end in a coupling loop, the other strap having a series of longitudinally spaced coupling elements, a pair of free strap members, one end of each of said strap members having a coupling member for engaging the loops of the first mentioned straps, and the other ends of the strap



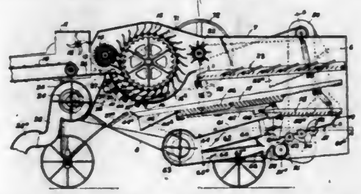
members having coupling elements for engaging the spaced coupling elements of the second mentioned straps in supporting the pockets upon the body of the wearer.

2,454,155
ELECTRIC MOTOR
Francis H. Gerlach, Wapakoneta, and John D. Miner, Jr., Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 15, 1945, Serial No. 582,854
3 Claims. (Cl. 172—36)



1. An electric motor adapted to be mounted on a supporting plate positioned at a minimum distance from the axis of the motor, said motor having a generally U-shaped laminated core, the open side of the U-shaped core being adapted to abut against the supporting plate, inter-engaging means on the core and plate for preventing relative movement between the core and plate, opposed polar projections on the core closely adjacent the open side thereof, a field coil on each of said polar projections, a rotor member rotatably supported between the polar projections, and a longitudinally skewed strap member encircling the core for securing it to the supporting plate.

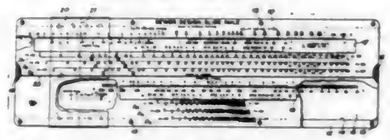
2,454,156
PEANUT PICKER
Daniel F. Good, Waynesboro, Pa., assignor to Frick Company, Franklin County, Pa.
Application November 21, 1942, Serial No. 466,470
13 Claims. (Cl. 130—30)



1. In a peanut picking machine, a picking cylinder, a concave bed including a concave proper

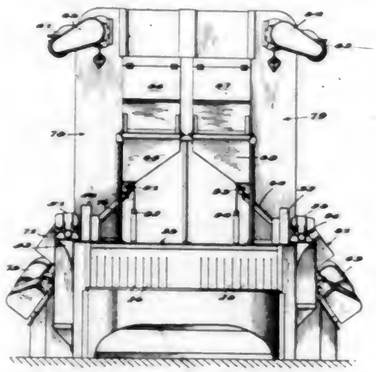
and a stripping screen section located adjacent to and coacting with said cylinder, said concave being formed with openings of a size such as will permit passage of dust, dirt and like extraneous matter therethrough but will bar the passage of nuts and said screen section being formed with stripping openings of a size to permit the passage of nuts therethrough, said stripping openings being substantially pear-shaped with the enlarged portion of each opening opening extending toward the front of the bed.

2,454,157
SEWER DESIGN SLIDE RULE
Irving Goldfien, Milwaukee, Wis.
Application February 21, 1948, Serial No. 10,129
5 Claims. (Cl. 235—70)



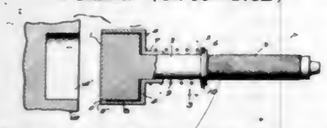
1. A Kutter-formula sewer design slide rule for circular sewers, comprising a body member and a slide member movable with respect thereto; said rule having first and second rule sections disposed one above the other; the first rule section having on the body member a logarithmic quantity of flow scale and a logarithmic velocity of flow scale each for sewers running .8 full, and a plurality of scales of sewer diameters for different Kutter coefficients of friction; the second rule section having on the body member a logarithmic time of flow scale for sewers running .8 full and a plurality of scales of sewer diameters for different Kutter coefficients of friction corresponding to those for the first section; each of said rule sections having on the slide member a logarithmic sewer length scale, a logarithmic sewer drop scale and a "Parts Full" conversion scale.

2,454,158
ABRASIVE BLAST TABLE
Charles M. Gossard, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application October 3, 1945, Serial No. 619,994
7 Claims. (Cl. 51—9)



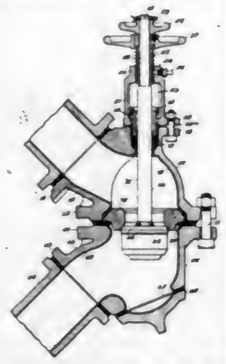
1. Apparatus for blast treating articles comprising, a main table supported for rotation in a substantially horizontal plane, an auxiliary table supported on said main table and rotatable about a substantially vertical axis, means for rotating said main table to move said auxiliary table in an orbital path, means for projecting abrasive at a blasting velocity downwardly in a substantially fan-shaped stream, said projecting means being so arranged that the elongated pattern of the abrasive blast stream is substantially at right angles to the orbital movement of said auxiliary table, and means for rotating the auxiliary table while moving through the blast stream.

2,454,159
GUIDE SLEEVE CONSTRUCTION FOR PLUG GAUGES
Walter Graves, Ann Arbor, Mich., assignor, by mesne assignments, to Federal Products Corporation, Providence, R. I., a corporation of Rhode Island
Application June 29, 1944, Serial No. 542,703
1 Claim. (Cl. 33—178B)



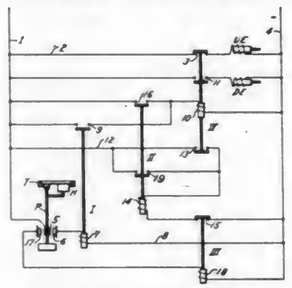
A plug gauge aligning device comprising a sleeve and a stem, spaced concentric guiding portions provided on said sleeve slidably engaging respectively the plug and the stem and arranged in accurately sliding relation to each other, said stem having a handle portion at one end and an inserting plug portion at its other end, said sleeve having a base portion defining a spring abutment, a spring abutment located on the stem, a spring surrounding a portion of said sleeve and a portion of said stem, said spring being located between said abutments and yieldingly engaging the same to urge said sleeve toward the free end of said plug, said plug extending slightly beyond said sleeve when said device is not in use to initially facilitate the insertion of the plug into a recess of a piece of work.

2,454,160
CORROSION RESISTING VALVE
Otto W. Greene, Brighton, N. Y., assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application August 31, 1943, Serial No. 500,669
6 Claims. (Cl. 251—158)



2. In a corrosion resisting valve, a metallic valve body having a conducting opening formed with an inwardly inclined shoulder, a connecting flange about said opening, a metallic conducting part having a connecting flange, said body and part having their inner surfaces lined with a vitreous enamel and said flanges having cooperating seating surfaces and means for drawing the same together, a metallic valve spindle movably mounted in said body and having a vitreous enamel coating, a valve head on said spindle having a surface of corrosion resisting material, a separately formed ceramic valve seat having an inwardly inclined shoulder cooperating with said body shoulder and also a surface for cooperation with said conducting part, said seat being spaced from said body and part, and resilient gasket material between said seat and part and between said seat and body shoulders for centering said seat relatively to said body opening and valve head by resilient pressure thereon between said part and said body shoulder and for limiting transmission to said seat of stresses occurring between said body and part.

2,454,161
ELECTRICAL RELAY SYSTEM
Sherman B. Hall, Brockway, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1946, Serial No. 667,980
3 Claims. (Cl. 175—320)



1. In a system of control, in combination, a circuit to be controlled, switching means for controlling the energization of said circuit, a pair of supply terminals for supplying electric energy to the system of control, a solenoid for actuating said switching means, said solenoid having one terminal connected to one supply terminal and having the other terminal connected through two parallel circuits to the other supply terminal, a pair of switches one in each of said parallel circuits, a second solenoid having one terminal connected to one supply terminal and having the other terminal connected through two parallel circuits to the other supply terminal, a second pair of switches one in each of said last-named parallel circuits, one of said last-named switches being operable by the first solenoid and the other of said last-named switches being operable by the second solenoid, a third solenoid, means for connecting the third solenoid to the supply terminals, one of said two first-named switches being operable by the last-named solenoid and the other being operable by said second-named solenoid.

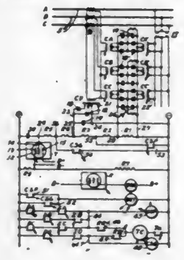
2,454,162
TRAFFIC OR DISPLAY SIGN
John J. Hammer, Detroit, Mich.
Application April 12, 1946, Serial No. 661,550
7 Claims. (Cl. 40—52)

1. A traffic or display sign comprising a housing, a plurality of sign panels disposed in depending visible relationship therefrom, lighting means within said housing adapted to illuminate said sign panels when disposed in their depending



visible relationship, spring means constantly urging said sign panels to their depending visible position, and solenoid means for retracting said panels to an obscure position.

2,454,163
PROTECTIVE RELAYING SYSTEM
Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1943, Serial No. 506,969
14 Claims. (Cl. 175—294)

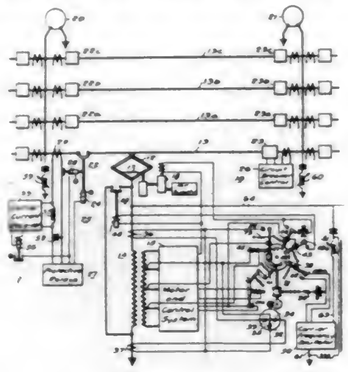


1. Fault-responsive relaying-apparatus for a polyphase circuit which is to be protected, comprising means for developing a plurality of unidirectional derived current-responsive voltages, responsive to different phases of line-currents of the protected circuit, means for developing a plurality of unidirectional derived voltage-responsive voltages, responsive to different phases of line-voltages of the protected circuit, circuit-means for opposing derived current-responsive and voltage-responsive voltages against each other in pairs, to obtain, in each case, a resultant derived voltage for that phase, and means for connecting the resultant derived voltages as a plurality of parallel-connected sources of voltage for a relaying circuit, the parallel connections including rectifiers whereby the largest of said resultant derived voltages is substantially excluded from feed-back into the circuits of the smaller of said resultant derived voltages, and fault-responsive apparatus energized from said relaying circuit.

2,454,164
CONTROL SYSTEM
Edwin L. Harder, Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1945, Serial No. 608,579
6 Claims. (Cl. 191—8)

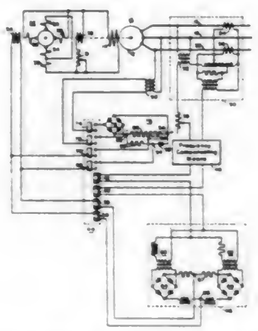
1. In a control system for electrical apparatus on an electrically operated vehicle having a current collector for engaging a trolley conductor which is disposed to be connected to a source of electrical energy through a circuit breaker, tuned circuit means connected on the source side of the circuit breaker to provide a high frequency ground connection connecting the trolley conductor at substantially ground potential for a

high frequency signal, control circuit means responsive to a fault condition on the vehicle to produce a high frequency signal on the order of 10,000 cycles per second, and circuit means



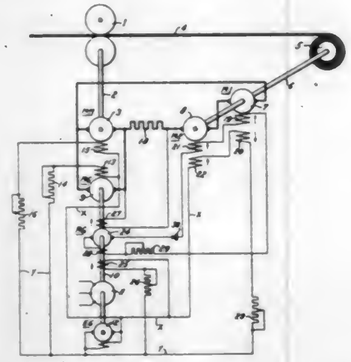
associated with the circuit breaker including control means coupled to the trolley conductor by a low impedance current transformer, said control means being responsive to said high frequency signal to open the circuit breaker.

2,454,165
REGULATING SYSTEM
Edwin L. Harder, Pittsburgh, and Ernest I. Pollard, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1945, Serial No. 631,725
2 Claims. (Cl. 322—77)



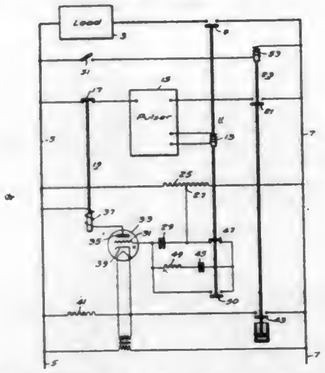
1. In a regulating system for a dynamo-electric machine disposed to supply a load circuit, in combination, an exciter for supplying the field excitation of the dynamo-electric machine, a control field winding for the exciter disposed to be directionally energized, a manual control circuit consisting of a pair of circuits connected in parallel circuit relation between common taps disposed to be supplied from the load circuit, one of the parallel circuits comprising a resistor having an adjustable tap disposed between the common taps, the other of the parallel circuits comprising a resistor and a constant potential device connected in series-circuit relation through a fixed tap, rectifying means connected between the load circuit and the common taps disposed to supply a unidirectional current to the manual control circuit, the control field winding being connected across the adjustable tap and the fixed tap to be directionally energized in accordance with the potential at said taps, the adjustable tap being disposed for movement to provide a balance in potential at the adjustable tap and the fixed tap for a predetermined condition on the load circuit whereby the energization of the control field winding is zero, the manual control circuit thereby being automatically operative upon a departure from the predetermined condition on the load circuit to directionally energize the control field winding depending upon the direction of the departure, the directional energization automatically tending to increase the output of the exciter when the departure is a decrease to increase the energization of the dynamo-electric machine and thereby tend to restore the predetermined condition on the load circuit, the adjustable tap also being operative to effectively force a directional energization of the control field winding.

2,454,166
PLURAL ELECTRIC MOTOR CONTROL SYSTEM
William R. Harding, Export, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1945, Serial No. 599,831
5 Claims. (Cl. 318—48)



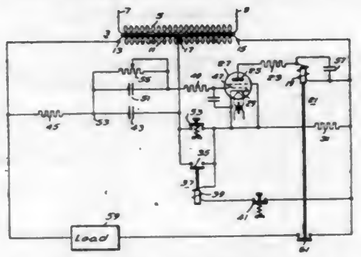
1. A variable speed drive, comprising direct-current supply means, two rotary direct-current machines having respective armatures mechanically connected with each other and being each provided with two field windings which relative to each other, are cumulative in one machine and differential in the other, a circuit including said armatures in series connection to each other, said circuit being connected to said current-supply means to be energized by the latter, circuit means connected to one field winding of each machine to provide substantially constant excitation therefor, and control means connected to said armature circuit to be controlled in dependence upon the current flowing in said circuit and being connected to said other field winding of each machine to provide control excitation therefor, whereby the resultant field excitation of one machine is lowered when that of the other machine is raised so that both machines operate as drive motors when said control means are in condition for low speed operation while one machine operates as a booster and is driven by the other machine when said control means are in condition for high speed operation.

2,454,167
COUNTING CIRCUIT
Edward C. Hartwig, Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 22, 1946, Serial No. 692,402
7 Claims. (Cl. 315—275)



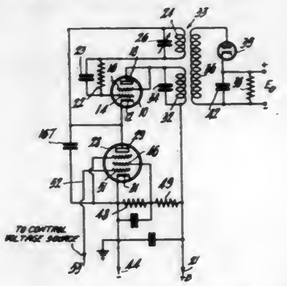
1. Apparatus for use in counting a selected number of occurrences of a repeated event comprising means adapted to function as an alternating current source, an electric valve connected in a main circuit across said source, a control circuit for said valve including a capacitor, an initiating device, means effective only prior to operation of said initiating device for charging said capacitor to a predetermined maximum value, said control circuit being effective after operation of said initiating device to cause said valve to have one condition with respect to conduction of current therethrough when the charge on said capacitor is greater than a preselected critical value less than said maximum value and another condition when the capacitor charge is less than said critical value, and switch means actuated in response to each occurrence of said event for connecting to said capacitor a discharge path to reduce the charge on said capacitor by a preselected amount only.

2,454,168
TIMING CIRCUIT
Edward C. Hartwig, Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 22, 1946, Serial No. 692,403
7 Claims. (Cl. 315—275)



1. A timing circuit for use with a source of alternating voltage comprising an electric valve having an anode, a cathode and a control electrode, circuit means including an initiating device and effective upon operation of said initiating device for connecting said anode and cathode in a circuit with said source, a filter connected in a circuit energized from said source for filtering surges in said source voltage so that such surges do not appear in substantial magnitude in the alternating voltage across said filter, a capacitor connected in series with said filter from said control electrode to said cathode after operation of said initiating device, means effective only prior to operation of said initiating device to cause said capacitor to be charged to a predetermned maximum value, said valve having such characteristics as to become conductive after operation of said initiating device only when the control electrode to cathode voltage is more positive than a critical value which normally requires a charge on said capacitor no greater than a predetermined value less than said maximum value, and a discharge circuit including a second resistor in shunt with said capacitor to discharge it at a preselected rate following operation of said initiating device.

2,454,169
GAIN CONTROL SYSTEM RESPONSIVE TO AN AVERAGE VALUE
Harold E. Haynes, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 26, 1946, Serial No. 718,376
6 Claims. (Cl. 250—41.5)

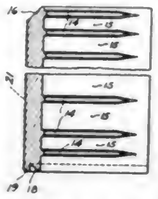


1. A signal reproducing system comprising means for generating signal currents in response to an incident modulated light beam, said means including an electron multiplier phototube, an output circuit for said phototube comprising a pair of resistors in series, means for obtaining a control voltage from the junction point of said resistors, means for utilizing said control voltage to control said phototube means for obtaining a signal output across said resistors, the resistor which is situated electrically more remotely from said phototube being shunted by a capacitor whereby to provide a time constant circuit, and a source of voltage which is substantially unaffected by signalling currents generated by said phototube being connected to said time constant circuit at its terminal opposite said control voltage deriving point.

2,454,170
STEREOTYPE CYLINDER PRINTING PLATE
George A. Hiester, Seattle, Wash.
Application February 23, 1942, Serial No. 431,942
3 Claims. (Cl. 101—378)

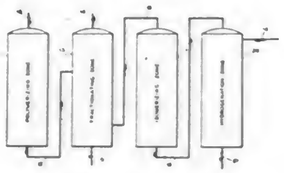
1. A stereotype cylinder printing plate formed in a casting machine having a rotatable casting core and a segment ring having an upstanding rib between said core and the matrix, said plate being characterized by being a rotatable core cast

plate and having the edge portion which prints that portion of the news page next the folding space provided with a cast recess in its end wall dividing said edge portion into two parts, first, an inner part having an inclined face serving as a clamping face and second, an outer part constituting a printing part having a printing sur-



face overhanging said inclined face, the recess having a second face parallel to the printing surface, said printing surface and said second face being concentric, the ends of said two parts lying in the same plane at right angles to the cylinder plate axis, the contour and condition of said recessed inclined clamping face being complete at the time the plate is removed from the core.

2,454,171
COMBINATION ISOMERIZATION AND HYDROGENATION PROCESS
Harold J. Hepp, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 21, 1946, Serial No. 642,449
4 Claims. (Cl. 260—683.6)

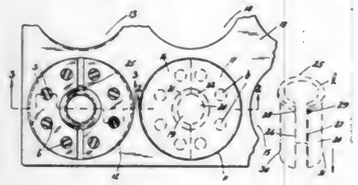


1. In a process for the production of a paraffin hydrocarbon wherein a tertiary olefin in a hydrocarbon stream is selectively polymerized to form a dimer having a terminal carbon to carbon double bond and the dimer is subsequently hydrogenated to form the paraffin hydrocarbon, that improvement which comprises separation of said dimer from higher polymers and unpolymerized material by distillation, passing the resulting purified dimer over an isomerization catalyst comprising brucite at a temperature in the range from 50° to 450° F. and subsequently catalytically hydrogenating the resulting isomerized dimer to form the paraffin hydrocarbon.

2,454,172
METHOD OF MAKING SEAMLESS PLATINUM RUTHENIUM ALLOY CANNULAE
George M. Hickey, Paoli, and William W. Matlack, Malvern, Pa., assignors to J. Bishop & Co. Platinum Works, Malvern, Pa., a corporation of Pennsylvania
No Drawing. Original application February 27, 1941, Serial No. 380,960. Divided and this application July 14, 1945, Serial No. 605,180
1 Claim. (Cl. 148—11.5)

Method of making a seamless cannula for a hypodermic needle which comprises forming a tube of homogeneous platinum metal alloy, alternately annealing the tube and swedging the tube over a mandrel with reduction of the tube diameter while maintaining its wall thickness, alternately annealing the tube and drawing the tube on a mandrel with reduction of the tube diameter and wall thickness, and finally sinking the tube through a succession of dies to reduce its outside diameter to a size suitable for use as a hypodermic needle cannula, the platinum metal alloy consisting essentially of platinum alloyed with from about 8% to about 20% by weight of ruthenium and the seamless tube initially being formed by hot forging and hot rolling an ingot of the alloy to a thickness of about .050 inch, thereafter alternately annealing and cold rolling the sheet to a thickness of about .020 inch, forming the sheet into a tube, fusing together the edges of the sheet and annealing the resulting tube at a temperature not less than 2000° F.

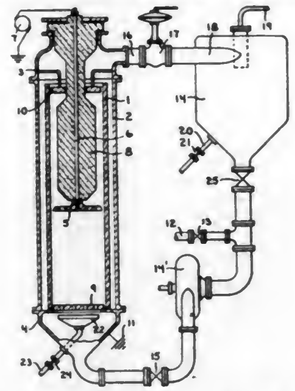
2,454,173
TUBE SOCKET
William M. Hicks, Glen Head, N. Y.
Application July 28, 1945, Serial No. 607,535
2 Claims. (Cl. 173—328)



1. A tube socket assembly comprising a plurality of semi-circular complementary parts having bores in one surface to receive the prongs of a tube, each part having a half round inner surface whereby said parts together define a central vertically extending bore in the said socket assembly, an external surface of said parts respectively being recessed to provide a space for receiving and engaging an edge portion of a base defining a cut-out to receive the socket assembly, and a compressible cylinder-like member split vertically and thus having opposed vertically extending free edges and consituting a spring adapted when compressed to be inserted in the said central bore of the socket assembly and to press against the inner surfaces of said parts respectively when released to cause said parts to move apart thereby seating the edge portions of the base in the said recesses of said parts respectively and holding said parts in such engagement with said base.

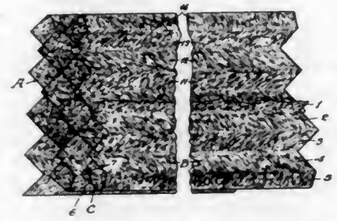
2,454,174
METHOD OF CONTROLLING THE POWER INPUT OF ELECTRICAL CONDUCTANCE HEATERS
Harold S. Hill and Laurence R. Beath, Kenogami, Quebec, Canada, assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada, a corporation of Quebec, Canada
Application June 5, 1947, Serial No. 752,688
10 Claims. (Cl. 219—40)

1. The method of power control in electrical conductance heating of a liquid for its evaporative concentration, which comprises continuously passing the conducting liquid through the inter-electrode space maintained substantially full of the liquid, maintaining on the liquid a pressure such that boiling of the liquid occurs in said space to supply a dispersed vapor phase in the conducting liquid, regulating the amount of said boiling by regulating the rate of flow of the liquid passing through said space, separating the vapor from the



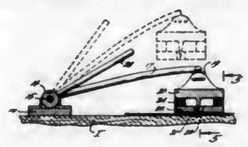
mixture of liquid and vapor leaving said space, and recycling the residual liquid through said space.

2,454,175
MULTILAYERED FIBROUS BATTING
Rudolph F. Hlavaty, Cicero, Ill.
Original application September 29, 1941, Serial No. 412,815. Divided and this application April 7, 1945, Serial No. 587,042
10 Claims. (Cl. 154—54)



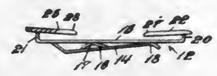
1. In combination in a multi-layer article, a plurality of superimposed layers of fibrous material, each such layer having the fiber thereof disposed in a plurality of generally parallel zones, the fibers of the material of each such zone being disposed at an angle to the fibers of the material of adjacent zones of said layer, and the fibers of the material of each zone of an intermediate layer being disposed at an angle to the fibers of the material of corresponding zones of layers above and below it.

2,454,176
PLEATING DEVICE
Walter J. Houser, San Marcos, Calif.
Application September 12, 1944, Serial No. 553,687
7 Claims. (Cl. 38—108)



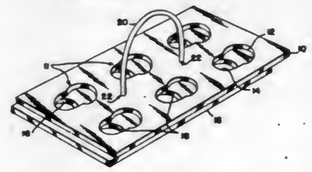
1. A pleating device comprising a base, means for clamping the base upon an ironing board, an engaging bar engageable with the work placed on the ironing board and a toothed clamping bar movable relatively to the engaging bar toward and away from the work, and means on the base for yieldably forcing the clamping bar toward the ironing board whereby its teeth may be advanced relatively to the engaging bar.

2,454,177
NECKTIE HOLDER
Viola T. Howard, Saylesville, R. I., assignor to Swank, Inc., a corporation of Delaware
Application November 29, 1946, Serial No. 712,782
2 Claims. (Cl. 24—49)



2. A tie holder comprising a back provided with means for mounting the same on a shirt which is beneath a tie, a pair of elongated members rigidly secured to said back on the side thereof opposed to the mounting means and extending from spaced points on said back toward each other in spaced relation to said back but inclined rearwardly toward the back as they approach each other, said members terminating to leave their free ends in spaced relation for the forward protrusion of the tie, the rear surface of each of the ends being in the plane of inclination of its member to contact the tie, the upper side edges of said members being segments of a continuous line extending along the said edges of said members, the lower side edges of said member similarly being segments of a continuous line extending along the lower side edges of said members, and the front surface of said members adjacent said free ends being bevelled.

2,454,178
BOTTLE CARRIER
Gordon W. Howell, Seattle, Wash.
Application January 24, 1944, Serial No. 519,490
2 Claims. (Cl. 294—87)

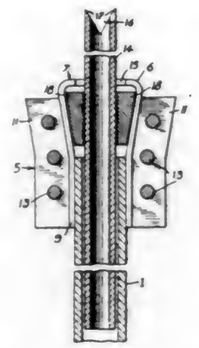


1. A bottle carrier, comprising: a body portion for supporting bottles by their necks or rims, the body portion including apertured upper and lower members of flat sheet material slidably adjustable longitudinally one relative to the other into bottle receiving and bottle carrying positions, a flexible handle passing through said upper member and being secured to said lower member, said handle operating to move said member longitudinally into locking position when said device is lifted by said handle.

2,454,179
EXTENSIBLE ANCHOR POST
Clyde Hudkins, Moundsville, W. Va.
Application December 17, 1945, Serial No. 635,486
1 Claim. (Cl. 248—354)

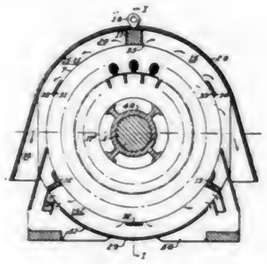
An extensible post comprising a main tubular section having an upper end, a clamp on said upper end including a substantially tubular head

for said section tapering downwardly, an auxiliary tubular section extending out of said upper end of the main section and through and out of said head for endwise adjustment to extend and retract the same relative to said main section, and means in said head operative under the influence of gravity and the taper of said head



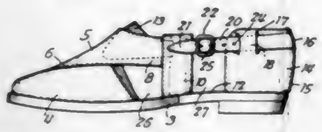
to grip said auxiliary section upon opposite sides thereof and lock the same against retraction, said clamp comprising a pair of opposed complemental sections each including a half section of said head and a part fitting part way around the upper end of the main section, and lateral flanges on said complemental sections bolted together in pairs.

2,454,180
FRAME STRUCTURE OF DYNAMOELECTRIC MACHINES
Francis J. Johns, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 28, 1947, Serial No. 771,015
20 Claims. (Cl. 171—252)



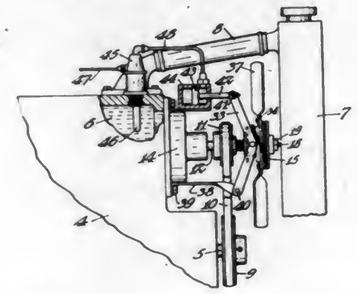
1. A horizontal-shaft dynamo-electric machine having a stator-member and a rotor-member; said stator-member comprising a stack of annular stator-punchings having a substantially cylindrical outer periphery, and having a bore defining an air gap surrounding the rotor-member, stator-windings carried by the stator-punchings near the bore thereof, a plurality of radially thick punching-holding frame-bars extending axially across the outer periphery of said stack of stator-punchings and extending beyond both ends of the stack, only one of said thick frame-bars being in the region extending from the top to a point below the centerline of the stack of stator-punchings on either side thereof, and that one being at the top, an annular frame-ring secured to the ends of the plurality of thick frame-bars at each end of the machine, said frame-rings having a substantially annular outer periphery which is substantially flush with the outer surfaces of the thick frame-bars, an end-bracket secured to each frame-ring, each end-bracket having a bearing-member for supporting the rotor-member, and having one or more inlet-openings for ventilating-air, ventilating-means for causing ventilating-air to enter through said inlet-openings at the respective ends of the machine and to flow radially outwardly over the end-turns of the stator-windings and thence to flow radially outwardly past the end portions of the frame-bars where they extend between the end of the stack of stator-punchings and the frame-ring at that end of the machine, a sheet-like top enclosure-member extending over the top frame-bar and the top portions of the two frame-rings for defining an upper annular ventilating-space between said top enclosure-member and the periphery of the punchings, a sheet-like bottom enclosure-member extending over the bottom portions of the two frame-rings for defining a lower annular ventilating-space between said bottom enclosure-member and the periphery of the punchings, outlet-means for providing outlets, below the centerline of the stator-punchings, for discharging air from the ends of the top and bottom enclosure-members, along the sides of the machine, and a plurality of radially thin, axially extending, punching-retaining means, secured to the outer periphery of the stack of stator-punchings at intermediate points between the thick frame-bars, for preventing axial spreading of said stack while permitting annular airflow in radial spaces between said thin punching-retaining means and the associated enclosure-member.

2,454,181
SANDAL TYPE SHOE WITH INSTEP GUARD
Evart L. Jordan, Rockford, Ill.
Application April 22, 1946, Serial No. 664,058
2 Claims. (Cl. 36—11.5)



1. In a shoe construction, a full length sole, flaps of flexible sheet material of substantially uniform thickness secured to the front portion of the sole on the opposite side edge portions thereof and extending inwardly and rearwardly in criss-crossed overlapping relation to cover the toes and front portion of a human foot in the shoe, said flaps being tapered in width toward the rear ends which are relatively narrow, upstanding side members secured to the instep portion of the sole on the opposite side edge portions and supporting the narrow rear end portions of said flaps, an upstanding heel pocket secured to the heel portion of the sole and having one or more strap guides on the upper portion thereof, a strap of flexible material extending from the rear end of one of said flaps rearwardly around the heel pocket through said strap guides and forwardly toward the rear end of the other flap and adjustably connected therewith by means of a suitable fastener so as to tie the shoe and place both flaps and the heel pocket under a desired tension on the foot, and a tongue member of flexible sheet material extending cross-wise of the shoe under and in contact with the overlapped portions of the flaps to engage the foot of the wearer over the instep portion, said tongue member having its opposed side portions extending rearwardly and secured to said side members for its sole support.

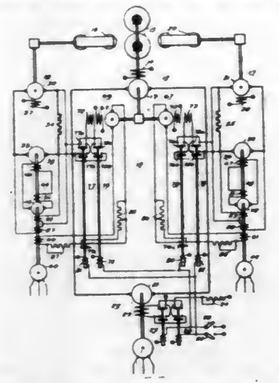
2,454,182
CONTROL DEVICE FOR ROTARY BLADE UNITS
George L. Kampa, Minneapolis, Minn.
Application April 27, 1945, Serial No. 590,689
6 Claims. (Cl. 123—178)



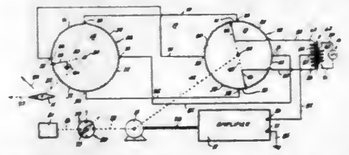
3. The combination with a heat producing mechanism, of a rotary fan, a clutch device mounted for axial movement with a cooperating portion of said clutch device, a heat responsive unit in heat exchange relationship with said heat producing mechanism, and connected to said fan and its connected clutch portion to disengage said connected clutch portion and fan from the other portion of said clutch responsive to changes in temperature, and said fan being so related to said clutch that initial engagement of the clutch and rotation of the fan will urge the clutch into closer operative coupling when said temperature responsive device is inoperative to disengage from said fan and its connected clutch portion.

2,454,183
MOTOR CONTROL SYSTEM
Alonzo F. Kenyon, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 22, 1946, Serial No. 692,339
8 Claims. (Cl. 318—6)

8. In a control system for controlling a motor in accordance with a reversible variable speed motor, means producing a control voltage responsive to the load on the motor, means including a control generator connected to apply a variable voltage to the motor to be controlled, said control generator having a pattern field winding and a field winding energized in accordance with the load on the motor, means connected to energize the pattern field winding including a pilot generator having a driving connection to the reversible variable speed motor, said pilot generator having a main field winding energized from a source of substantially constant voltage and a differential field winding energized in accordance with the load on the motor, control means effective to reduce the energization of the pattern field winding, and means operable to effect reversal of the reversible variable speed motor, reverse the connections of the differential field winding and render the control means ineffective.

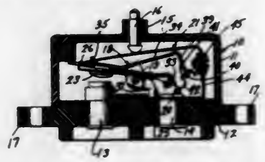


2,454,184
TELEMETRIC COMPASS
Waldo H. Kliever, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 20, 1947, Serial No. 769,757
12 Claims. (Cl. 318—29)



1. Control apparatus comprising, in combination: a pair of endless impedance members electrically connected together at a plurality of corresponding points; tap means for adjustably introducing a voltage between two spaced points of one of said members; tap means adjustably engaging the other of said members; means adjusting one of said tap means in response to a condition; and means responsive to the signal voltage between said second named tap means and a point at a potential fixed with respect to those of said two spaced points.

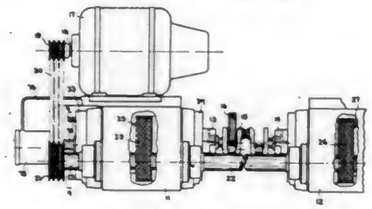
2,454,185
SNAP SWITCH
Leo J. Kmiecik, Chicago, Ill., assignor, by mesne assignments, to McDonnell & Miller, Inc., Chicago, Ill., a corporation of Delaware
Application July 20, 1945, Serial No. 606,249
8 Claims. (Cl. 200—67)



1. In a snap device such as a snap switch or the like, a pair of angular members disposed in superposed spaced relation and each with an

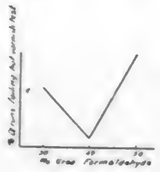
elongated first leg intermediately pivoted to render the members relatively rockable, each of said members having a shorter second leg at an angle to the first leg and with the shorter legs in spaced opposing relation, and a snap spring interconnecting the ends of said shorter legs and arranged normally to hold said members relatively rocked in opposite directions, said snap spring having an over center relation to said shorter legs, and the ends of said shorter legs being movable generally past one another in the relative rocking of the levers so that said spring operates to snap past a substantially aligned condition of said shorter leg ends to dispose the members in respective opposite relatively rocked positions responsive to movement of one of said levers to carry the end of its shorter leg selectively to either side of the aligned position of the shorter leg ends.

2,454,186
CRANKPIN GRINDING MACHINE
Elphege D. La Fleur, Lancaster, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 19, 1945, Serial No. 635,883
10 Claims. (Cl. 51—237)



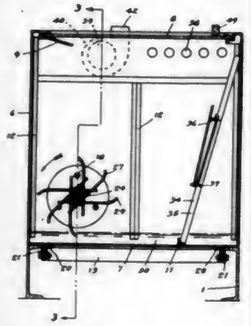
1. In a crankpin grinding machine having a work head, a rotatable spindle thereon, means to rotate said spindle, a pot chuck adjustably supported by said spindle, means rotarily to index said chuck relative to said spindle, and means including a gauging block having a plurality of gauging members, said gauge block being adjustably mounted on said head to facilitate adjustment of said chuck relative to said spindle in a radial direction normal to the spindle axis for grinding crankpins having different throws.

2,454,187
UREA-FORMALDEHYDE-ALKYD INSULATING COMPOSITION
Charles B. Leape, Pittsburgh, and Frank A. Sattler, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1944, Serial No. 542,740
6 Claims. (Cl. 260—32.8)



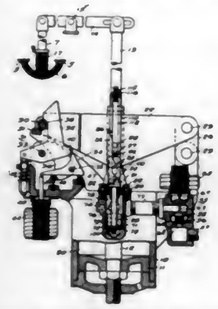
1. A resinous composition composed of, in combination, from 30% to 60% by weight of partially reacted, thermosetting urea-formaldehyde resin, and from 70% to 40% by weight of the partial resinous polyester alkyd reaction product compound of an acidic mixture of maleic anhydride and succinic acid, the mols of maleic anhydride being more than, but not exceeding substantially 3.35 times, the mols of succinic acid, and a mixture of glycerol and ethylene glycol in a molar ratio of from 1:1 to 1:6, the mixture of ethylene glycol and glycerol providing substantially two hydroxyl groups for each molecule of acidic mixture, the alkyd reaction product having an acid number between 75 and 140.

2,454,188
PADDLE MEANS FOR SPRAYING
William Henry Legge, Winnipeg, Manitoba, Canada
Application March 1, 1946, Serial No. 651,391
3 Claims. (Cl. 259—136)



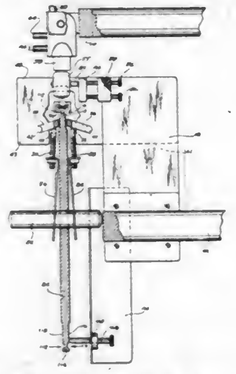
1. A paddle wheel for spraying or surface stirring of liquids, comprising: a shaft rotatably suppported; a pair of paddles mounted on said shaft; said paddles positioned parallel across said shaft, one on each side, to form pockets therebetween, and each paddle mounted oppositely off center; perforations through the faces of the projecting ends of said paddles; and means for driving said shaft.

2,454,189
FLUID PRESSURE OPERATED CIRCUIT INTERRUPTER
Gerhard Lentjes, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 12, 1946, Serial No. 640,838
7 Claims. (Cl. 200—82)



1. In a fluid pressure operated circuit breaker having relatively movable contact means, a cylinder, piston means operative upon an increase in fluid pressure in said cylinder for moving said contact means to a circuit closed position, and means for moving said contact means to an open circuit position, the combination of supply valve means operative to supply fluid under pressure through a communication to said cylinder, throttle valve means interposed in said communication and having an element movable between a position for restricting flow therethrough and an open position for permitting maximum flow, means for biasing said movable throttle valve element toward open position, a positive latch pivotally mounted on said movable throttle valve element and engageable with a fixed part for releasably holding said throttle valve element in the restricting position, a member movable by said piston means for moving said throttle valve element against its bias, and said member engaging and releasing said latch during movement of said piston means prior to movement of said throttle valve element.

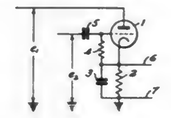
2,454,190
RESISTANCE WELDING APPARATUS AND JIG THEREFOR
Winfred N. Lurcott, Elizabeth, N. J., assignor to L. J. Wing Mfg. Co., New York, N. Y., a corporation of New York
Application November 1, 1946, Serial No. 707,060
21 Claims. (Cl. 219—4)



1. In a resistance welding apparatus having an electrode movable toward a first object to which a second object carried by the electrode is to be welded, a second electrode, a pair of spaced jaws pivoted to the apparatus and electrically connected to the second electrode, said jaws for gripping between them the first object, means for mounting on the first electrode the second object, and strap members, each pivotally connected to a jaw, for supporting thereon the first object.

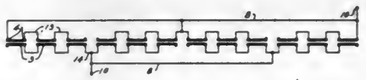
2,454,191
CONTROL CIRCUIT
Angus A. Macdonald, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 19, 1945, Serial No. 589,251
8 Claims. (Cl. 320—1)

1. In combination with a grid controlled electrical discharge tube a capacitor connected to be charged by current flow through said tube, means for impressing on the anode of said tube and said capacitor a first voltage pulse, means for impressing on the control electrode of said tube and said capacitor a second voltage pulse, said capacitor being intended to be charged in an amount dependent upon the overlap in time of said pulses,



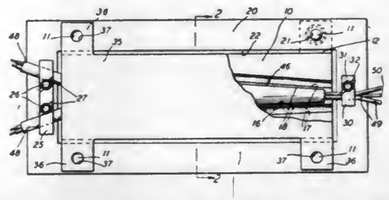
one of said voltage pulses having a substantially horizontal crest, and an output circuit connected to derive voltage from said capacitor.

2,454,192
CRITICALLY DAMPED CAPACITOR
Ralph E. Marbury, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1944, Serial No. 518,210
2 Claims. (Cl. 175—41)



2. A multi-section capacitor comprising a plurality of individual capacitor sections, each of said sections consisting of two continuous conducting foils separated by dielectric material and spirally disposed in a multi-turn capacitor section, means for electrically connecting said capacitor sections in groups, said connecting means including means for connecting together in series one foil of each of the capacitor sections in each group, means for connecting together in series the other foils of each of the capacitor sections in each group, first terminal means connected to one end of one series-connected set of foils of each group of sections, and second terminal means connected to one end of the other series-connected set of foils of each group of sections, whereby current flows through all the foils of each set in series.

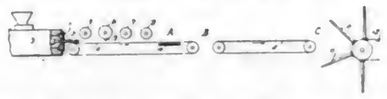
2,454,193
APPARATUS FOR MOLDING ARTICLES
Samuel M. Martin, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 13, 1944, Serial No. 540,083
5 Claims. (Cl. 18—36)



5. A molding apparatus, which comprises a stationary die member having a Y-shaped molding recess formed therein, a plurality of guide pins projecting from the stationary die member, a loading frame slidably and removably mounted on the guide pins and having formed therein an opening for providing clearance for the portion of the stationary die member having the recess therein, a pair of clamping plates mounted on one end of the frame in spaced positions for clamping

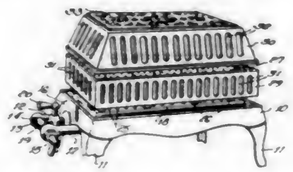
arms of a flexible core of a Y-type cord to that end of the frame, a clamping plate mounted on the other end of the frame for clamping the stem of the core to that end of the frame after the arms and the stem of the core have been tensioned, a movable die member having formed therein a Y-shaped molding recess complementary to the recess in the stationary die member and slidably and removably mounted on the guide pins for pressing the loading frame toward the stationary die member, and a plurality of compression springs mounted on the guide pins for pressing the loading frame against the movable die member when the die members are in a molding relationship.

2,454,194
METHOD FOR MAKING A HOLDER OF PLASTIC MATERIAL FOR POCKET COMBS AND THE LIKE
Charles E. Maynard, Florence, Mass., assignor to The Pro-Phy-Lac-Tic Brush Company, Florence, Mass., a corporation of Delaware
Application October 9, 1946, Serial No. 702,118
1 Claim. (Cl. 18—47.5)



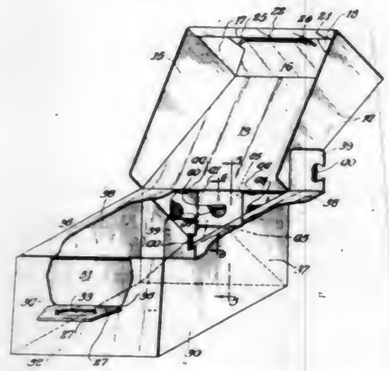
The method of making pocket comb holders, which consists in continuously extruding hot thermo-plastic material as a coreless hollow tube and with a wall thickness to support the tube enough for only gradually and progressively moving toward tube collapsed condition while hot, the thermo-plastic material being extruded in condition and slowly enough for setting by cooling to retain its shape when partially collapsed for internally fitting a comb, pinching the tube form together to completely collapse it to provide for end closures of the pocket comb holders, piercing the tube at intervals of its length to vent it against internal air pressure, setting the tube material in successive portions, and cutting off lengths formed for the comb holders as stated.

2,454,195
CIRCULATING GAS HEATER
Æolian E. Moores, Dallas, Tex.
Application October 30, 1945, Serial No. 625,467
2 Claims. (Cl. 126—90)



2. A gas heater comprising an elevated base having a central open area and a burner pipe extending about the edge of said open area but spaced inwardly therefrom, a frame surmounting said burner pipe consisting of upper and lower portions conforming to the inner periphery of said burner pipe, said frame portions being spaced apart by horizontally spaced uprights, each extending above and turned outwardly from the upper of said frame portions to define lips, confronting lips carried by and spaced apart on the lower of said frame portions, radiants supported on the sides and ends of said frame by the lips of said frame portions in perpendicularity to said burner pipe, a reticulated housing in separable, horizontal sections superimposed on said base and means for introducing fuel into said burner pipe.

2,454,196
MILLINERY BOX
Ersel C. Mulnix, Lake Bluff, Ill.
Application November 8, 1946, Serial No. 708,515
3 Claims. (Cl. 229—31)

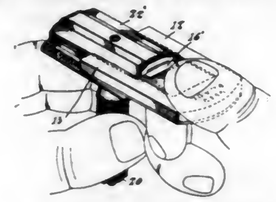


1. A box of integral construction comprising a cardboard blank margined and scored to fold into a cover portion having a top panel; side walls on opposite sides of said top panel; a front panel arranged outwardly of said top panel; an apron on the outer end of said front panel; corner sections between said side walls and said front panel adapted to fold against the inner face thereof; a tongue member carried by each opposite corner member arranged and adapted to project inwardly in overlapped and relative gripping position to be covered and held by said apron when folded; and a base portion adapted to be closed by said cover portion comprising a rear wall hingedly formed with said top panel of said cover portion; a bottom panel connected to the lower edge of said rear wall; side walls attached to opposite sides of said bottom panel; an inwardly projecting side rail foldably attached to the top of each side wall; rectangular folding flaps carried at each end of each side rail arranged and adapted to be folded into pocket engagement with diagonally folding corner members at each corner of said base portion; and button means forming a part of each of said folding flaps arranged in position to engage the innermost corner member at each corner; there being in each of said innermost corner members a hole to receive said button means.

2,454,197
BLADE HANDLING DEVICE
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application May 24, 1945, Serial No. 595,608
18 Claims. (Cl. 30—40)

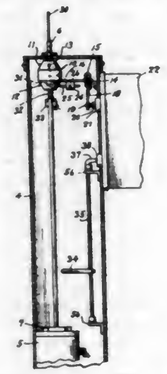
1. The combination of a safety razor having separable cap and guard with a blade-handling device comprising a thin, stiff body having on one face a sharp unused blade and means for detachably retaining the blade while leaving it free to

be withdrawn in an endwise direction, and on its other face parallel ways for guiding the device on



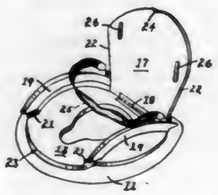
the cap of a safety razor, whereby the said blade may be located symmetrically beneath the cap.

2,454,198
AUTOMATIC CONTROL FOR WASHING MACHINES
Phillip M. Pappas, Houston, Tex.
Application July 19, 1944, Serial No. 545,586
6 Claims. (Cl. 200—53)



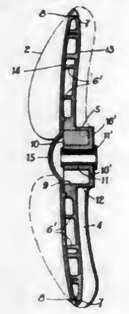
1. In an automatic control for washing machines, the combination of a casing, a cylinder in said casing, a plunger on said cylinder, a ball unit on said plunger, a primary trigger device in said casing and normally engaging said ball unit when said plunger is in a set position, an auxiliary trigger device in said casing and being operated by said ball unit, and a manually operated lock on said casing for normally holding the primary trigger device against action.

2,454,199
CHILD'S TOILET SEAT
William Howard Perrin, Grand Rapids, Mich.
Application July 28, 1944, Serial No. 546,990
2 Claims. (Cl. 4—239)



2. In a structure of the class described, an auxiliary toilet seat adapted to be hingedly secured adjacent its rearward end to the rearward portion of a conventional toilet seat, a cover hingedly secured adjacent the rearward end of the auxiliary seat and forming a back when in its upwardly unfolded position, said cover having cammed sides, and a normally vertically disposed spring actuated arm hingedly secured on each opposite side of the auxiliary seat, each arm adapted to be folded outwardly by the engaging of the cammed sides of the cover with the upper lengths of the arms during the downwardly folding movement of the cover and each spring of each arm adapted to maintain said arms in upright position as body supports when the cover is in unfolded position.

2,454,200
MOLDED IMPELLER
Kenneth Perkins, Scotch Plains, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 16, 1944, Serial No. 558,823
2 Claims. (Cl. 170—159)

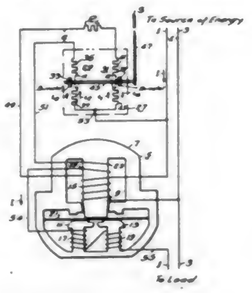


1. An air impeller formed in two parts from plastic material, one of said parts being formed with a hub from which a plurality of blades radiate, said blades having a cup-shaped portion formed with a series of longitudinally and laterally arranged ribs, the other part having a central portion which covers said hub and a plurality of blades complemental to the blades on said first mentioned part, and means for securing said parts together to form an air impeller having hollow blades with air foil sections.

2,454,201
ELECTRICAL MEASURING INSTRUMENT
Ambrose J. Petzinger, Passaic, and Rodney V. Adams, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 13, 1943, Serial No. 510,132
11 Claims. (Cl. 171—95)

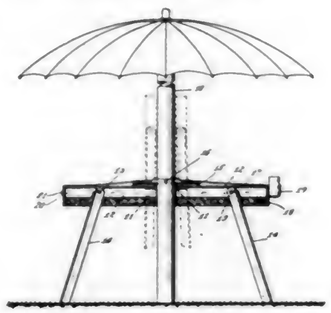
1. In an electrical measuring instrument for measuring a function of a voltage quantity and a current quantity of an electrical circuit, a pair of electroresponsive units having outputs responsive to electrical current supplied thereto, means connecting said units for energization respectively, in accordance with the sum of said quantities and the difference of said quantities, said units when energized equally by a first one of said quantities having a response to said quantities which does not portray accurately said function, said connecting means being proportioned to provide a ratio of the energizations of said units which are dependent on said first one of said

quantities other than unity for the purpose of compensating substantially for said inaccuracy,



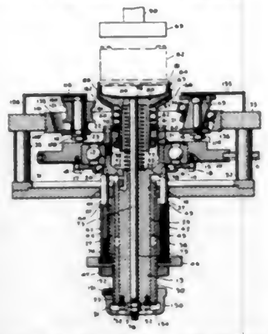
and means differentially responsive to the outputs of said units.

2,454,202
FOLDING PICNIC TABLE
John Pierik, Indianapolis, Ind.
Application June 11, 1945, Serial No. 598,845
1 Claim. (Cl. 311—78)



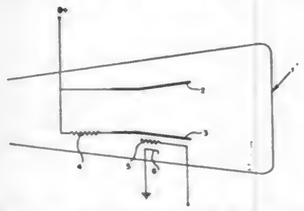
A table comprising a central standard having a base, a plurality of arms, hinge means for each of said arms, each hinge means connecting one end of its associated arm to said standard for swinging movement of the other end of such arm toward and away from said base, each such arm lying substantially parallel with said standard when its said other end is most remote from said base and substantially perpendicular with said standard when its said other end is nearest said base, a leg for each arm, each leg being pivotally connected to its associated arm near said other end of the latter for swinging movement, about an axis substantially parallel with the axis of said hinge means for such arm, each leg being swingable, when its associated arm is substantially perpendicular to said standard, into a position inclined downwardly and outwardly from said standard to support said arm, means slidably mounted on said standard and engageable with the upper surfaces of said arms, when said arms are substantially perpendicular to said standard, to restrain said arms against movement of said other ends thereof away from said base, a top element having a central opening therein sleevable over said standard to overlie said arms and said slidably mounted means, and means for connecting said top element to said arms near said other ends thereof.

2,454,203
SPINNING APPARATUS
Paul R. Powell, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 28, 1946, Serial No. 650,999
9 Claims. (Cl. 113—24)



3. Spinning apparatus, comprising a fluid operated press including a reciprocable ram, a spring loaded member in alignment with said ram and having a recess therein for receiving a cup-shaped cover, a rotatably mounted flyer surrounding the spring loaded member and movable therewith, means for rotating the flyer, a stationary annular cam positioned coaxially with respect to the flyer, a plurality of arms pivotally mounted upon the flyer, rollers rotatably mounted upon the arms intermediate the ends thereof so as to engage the annular cam, and forming rollers mounted on the ends of the arms, whereby when the ram of the press is advanced into engagement with a cover positioned in the cover-receiving recess, the forming members are forced inwardly by the coaction of the rollers and the annular cam to cause the forming rollers to form an edge of the cover into a desired configuration.

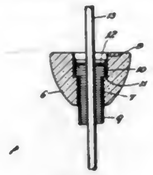
2,454,204
CATHODE-RAY TUBE
Richard C. Raymond, State College, Pa., assignor to the United States of America as represented by the Secretary of War
Application December 17, 1945, Serial No. 635,587
1 Claim. (Cl. 315—2)



In a cathode ray oscilloscope, a source of positive potential, a cathode ray tube including an evacuated envelope and a beam forming cathode, a pair of deflecting plates, means for electrically connecting said deflecting plates to said source of potential, resistor means within said envelope connected between one of said deflecting plates and said source of potential, an amplifier cathode within said envelope, and a control grid within said envelope located between said deflecting plate and said amplifier cathode in such a manner that the flow of current through said resistor

means may be controlled by the potential applied to said control grid, the voltage drop developed across said resistor by said current being impressed directly upon said one deflection plate.

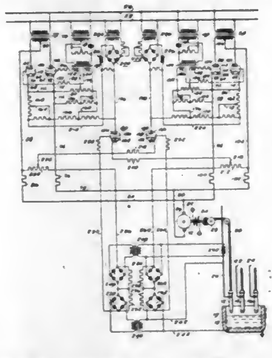
2,454,205
FILTERING DEVICE
Ludwig Reichold, Winsted, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut
Application October 9, 1944, Serial No. 557,903
4 Claims. (Cl. 210—162)



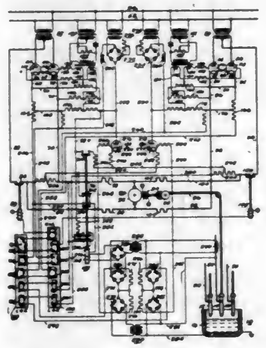
4. For a device of the character described comprising an upper bowl having a hollow stem depending therefrom, a filtering device comprising a filtering portion having an axial opening extending therethrough with an enlarged portion in said opening providing an intermediate shoulder, a helical spring extending downwardly from said shoulder through said opening and having an enlarged portion disposed within the enlarged portion of said opening and seated upon said shoulder for retaining the spring in the filtering portion, a washer fitting within said opening above the spring for retaining said spring in position and preventing the passage of particles, therethrough, a rod extending downwardly through an aperture in said washer and through said spring; the lower end of said spring being secured to said rod, a hook at the bottom of said rod for engaging the bottom edge of said stem for anchoring said spring thereto in extended position and thereby retaining said filtering portion seated within the mouth of said stem, and an extension on said rod above said filtering portion providing a handle for said rod.

2,454,206
ELECTRIC MOTOR REVERSING CONTROL
Jack E. Reilly, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1945, Serial No. 599,838
6 Claims. (Cl. 318—261)

6. In a control system, in combination, a reversible motor the operation of which is to be controlled; a first and second pair of electric valves disposed to selectively connect the motor to a source of alternating current to control the direction of operation of the motor; the electric valves having grids to be utilized for controlling the conductivity thereof; a grid control circuit including a resistor for each pair of the electric valves; a first and second discharge valve having a grid in each disposed to be utilized for controlling the bias of the grids of the first and second pairs, respectively, of electric valves; a first and a second pair of sources of control voltages variable in opposite senses in response to the operation of the motor for impressing predetermined biases on the grids of the first and second discharge valves, respectively; a first and second resistor connected in circuit with the first and second pairs, respectively, of electric valves disposed to have potentials thereacross proportional to the flow of current therethrough to the motor; and another first and second resistor connected in the grid circuit of the second and first discharge valves, respectively; said another first and second resistors also being connected across the input circuits to the motor from the first and second pairs, respectively, of electric valves to a potential thereacross proportional to the potential across the motor; the potentials across the first and second resistors in circuit with the first and second pairs, respectively, of electric valves being substantially equal but opposite to the potentials across said another first and second resistors, respectively, connected in the grid circuits of the second and first discharge valves, respectively, when the first and second pairs, respectively, of the electric valves are conducting; said another first and second resistor cooperating in the grid circuits of the second and first discharge valves, respectively, to render the respective discharge valves non-conducting when the first and second pairs, respectively, of electric valves cease to conduct and the motor is coasting whereby the second and first pairs, respectively, of electric valves are rendered conducting to pass current from the coasting motor to the source of alternating current and thereby effect the braking of the motor.



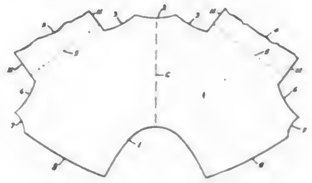
2,454,207
ELECTRIC MOTOR REVERSING CONTROL
Jack E. Reilly, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1945, Serial No. 599,839
7 Claims. (Cl. 318—261)



7. In a control system, in combination, a reversible motor the operation of which is to be con-

trolled, a plurality of pairs of electric valves disposed to selectively connect the motor to a source of alternating current to control the direction of operation of the motor, the electric valves having grids to be utilized for controlling the conductivity thereof, a grid control circuit including a resistor for each pair of the electeric valves, a discharge valve having a control grid therein to be utilized for controlling the bias of the grids of the pair of electric valves associated therewith, a pair of control voltages variable in opposite senses in response to the operation of the motor for impressing predetermined biases on the grids of the discharge valves, a resistor connected across the motor to provide a source of potential proportional to the terminal potential of the motor and having a polarity depending upon the direction of operation of the motor, and a switching mechanism disposed to be actuated to a switching position in response to a predetermined potential across said resistor source as the motor operates in one direction, and to a component of one of the control voltages to render one of the discharge valves inoperative and simultaneously therewith render the pair of electric valves associated with said one of the discharge valves non-conducting to prevent further operation of the motor in the one direction.

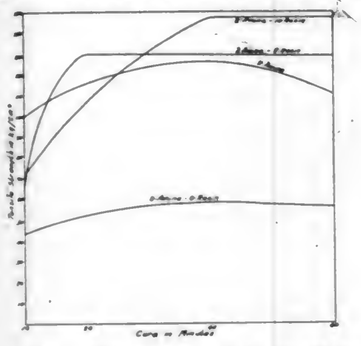
2,454,208
GARMENT
Ruth E. Richman, Cedarhurst, N. Y.
Application September 24, 1946, Serial No. 698,969
2 Claims. (Cl. 2—108)



1. A garment blank having a lower edge and having substantially straight side edges extending from the lower edge, the upper edge of the blank at each side of the center comprising a series of curved portions forming a portion of the neck opening and a rear shoulder portion, a portion of the front neck opening and a front shoulder portion, and an intermediate sleeve portion between the front shoulder portion and the rear shoulder portion.

2,454,209
PROCESS FOR MODIFYING VINYL CHLORIDE-VINYLIDENE CHLORIDE COPOLYMERS WITH PHENOL FORMALDEHYDE RESINS
Thomas H. Rogers, Jr., Akron, Ohio, and Robert D. Vickers, New Rochelle, N. Y., assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application September 28, 1944, Serial No. 556,152
1 Claim. (Cl. 260—43)

A method of preparing a thermoset copolymer of 75 to 90 percent of vinyl chloride and from 25 to 10 percent of vinylidene chloride which comprises incorporating from 1 to 10 percent of hexamethylenetetramine and from 2 to 20 percent of a heat-hardenable phenol-aldehyde condensation product, and heating the mixture at a temperature between 200 and 400° F. until a product is obtained which has a tensile strength at least



fifty percent greater than the untreated copolymer.

2,454,210
SYNTHETIC RESIN AND MEMBERS PRODUCED THEREFROM
Robert H. Runk, Pittsburgh 21, and Robert D. Jerabek, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 17, 1943, Serial No. 483,490
10 Claims. (Cl. 154—2.6)



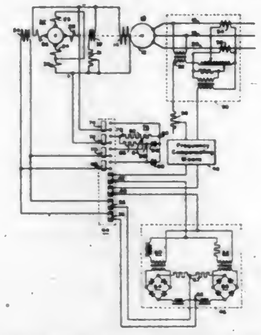
2. The moldable resinous reaction product consisting of 1 mol of pentaerythritol, 1.5 mols±10% of maleic acid and 0.5±10% mol of phthalic acid substantially one mol of pentaerythritol being provided for two mols of maleic acid and phthalic acid combined, the reaction resulting in the product being carried out to the extent that the product has an acid number of from about 220 to 280 and a ball and ring softening point of from about 50° C. to 80° C., the resinous reaction product being moldable into a thermoset state in one hour at 150° C. in relatively thick sections.

6. Electrical insulation comprising in combination, mica and from 3% to 15% by weight of a binder for bonding the mica into a predetermined shape, the binder consisting of the resinous reaction product of substantially only 1 mol of pentaerythritol, 1.5 mols±10% of maleic acid and 0.5±10% mol of phthalic acid substantially one mol of pentaerythritol being provided for two mols of maleic acid and phthalic acid combined, the reaction resulting in the product being carried to the extent that the product has an acid number of from about 220 to 280 and a ball and ring softening point of from about 50° C. to 80° C.

2,454,211
REGULATING SYSTEM
Homer M. Rustebakke and Albert W. Kimball, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1945, Serial No. 631,724
4 Claims. (Cl. 322—77)

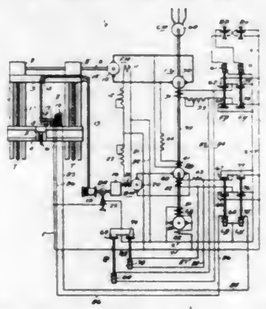
1. In a regulating system for a dynamo-electric machine, in combination, an exciter for supplying the field excitation of the dynamo-

electric machine, a pair of circuits disposed to be connected in parallel circuit relation across the exciter, one of the parallel circuits comprising a resistor having an adjustable tap, the other of the parallel circuits comprising a resistor and a pair of parallel connected but op-



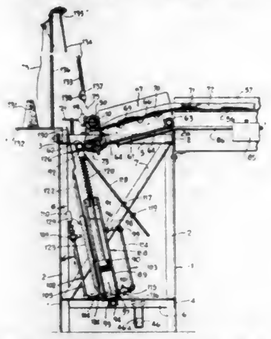
posed dry type rectifiers connected in series circuit relation therewith with a fixed tap therebetween, and a control field winding for the exciter disposed to be connected to the adjustable tap and the fixed tap to be directionally energized in accordance with the potential at the adjustable and fixed taps.

2,454,212
DRUM-OPERATING ELECTRIC DRIVE
Oren G. Rutemiller, St. Bernard, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 29, 1944, Serial No. 524,399
9 Claims. (Cl. 318—39)



9. A control system for a machine having a vertically movable body and feed means for raising and lowering said body, comprising an electric drive for actuating said feed means, a cable to be attached to said body, an appertaining cable drum, a torque motor connected with said drum for substantially counterbalancing the weight of said body, a generator having an output circuit connected with said motor for energizing the latter, said generator having two field windings for controlling the voltage of said circuit, one of said windings being connected with said drive so as to be energized in accordance with the operation of said drive so as to move said cable at a speed lower than that of said drive, and pull responsive control means connected with said other winding for energizing it in dependence upon the pull of said cable so as to move said cable at a still lower speed.

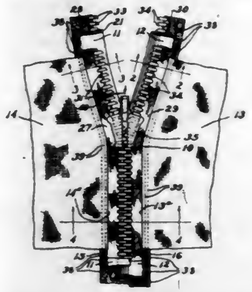
2,454,213
APPARATUS FOR FORMING FILTER ELEMENTS AND THE LIKE
Victor Sager, Arcadia, Calif., assignor to Diesel Filter Co., El Monte, Calif., a limited partnership
Application May 15, 1944, Serial No. 535,590
21 Claims. (Cl. 242—1)



1. Winding apparatus comprising a work-supporting member, a pressure member, means mounting one of said members for movement toward or away from the other member, and means operable upon movement of said movable member into predetermined spaced relation to the other member for restraining said member against movement in either direction.

20. In winding apparatus: a work supporting member; a pressure member; means mounting one of said members for movement toward and away from the other member; means forming a closed liquid filled chamber, including a movable element for supporting said one member, said element being adapted to displace liquid from said chamber upon movement of said member in one direction; and means responsive to an increase of the fluid pressure in said chamber for discharging liquid therefrom.

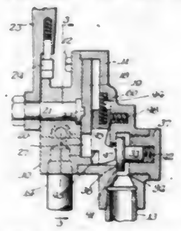
2,454,214
CLOSURE
John P. Sapp, Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 21, 1945, Serial No. 600,677
11 Claims. (Cl. 24—205.1)



2. A closure for adjacent margins, said closure comprising fastener means for detachably joining said margins, and sealing elements including interlocking overlapping portions at said margins for closing the latter, one of said portions at a face thereof having a recess therein for receiving

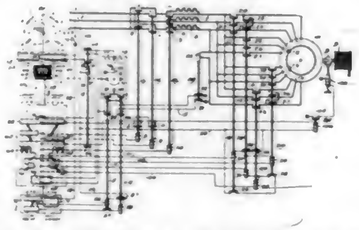
at least part of the other portion in sealing relation therewith, and one of said portions having a plurality of spaced-apart ribs of elastic material projecting from a face thereof and terminating in edges for contact with the other portion and sealing against the latter said other portion by lip-action of said edges providing a plurality of sealing zones, and said portions being backed by said fastener means for holding and supporting said sealing elements in engaged relation to one another.

2,454,215
CONTROLLING MECHANISM FOR SAND TRAPS
Frank E. Saari, Chicago, and Grant V. W. Roth, Evanston, Ill.
Application February 21, 1947, Serial No. 729,966
7 Claims. (Cl. 291—16)



1. In controlling mechanism for a sand trap provided with an air nozzle for discharging sand and a duct for a clean-out blast, the combination of a casing provided with conduits for separately delivering air to the nozzle and the clean-out duct, a valve element rotatable in the casing, provided with a port for successively controlling delivery of air to said conduits, and with rotatable cam means, a normally closed auxiliary valve in the casing for controlling the supply of compressed air to said element, and means for opening the auxiliary valve movable in the casing, said cam means including faces for shifting said opening-means to open the auxiliary valve for the successive delivery of air to the nozzle and the clean-out duct when the disk is rotated in one direction and a face for shifting said means to leave the auxiliary valve closed during the return stroke of said element to its normal position.

2,454,216
APPARATUS AND SYSTEM FOR ELECTRIC CONTROL PURPOSES
Walter Schaelchlin and Kurt Mahnke, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1947, Serial No. 737,612
10 Claims. (Cl. 318—224)



9. A motor control system comprising a multi-speed alternating-current motor having a plurality of terminal groups for operating the motor at different respective speeds, line terminals for energizing said motor, a plurality of selectively operable contactors for connecting said line terminals to said terminal groups respectively, a master controller having a primary member selectively adjustable between a plurality of positions for selecting the motor speed, and an intermediate member deflectable in opposite directions from an "off" position and a secondary member movable between a plurality of positions, a differential gear mechanism forming part of said master controller and being associated with said three members so that said intermediate member deflects from said "off" position due to a change in position of said primary member and returns to said "off" position when said secondary member is driven to change its position toward correspondence with the position of said primary member, a lost-motion coupling interposed between said primary member and said gear mechanism to permit individual movement of said primary member between some of its positions for low motor speed while entraining said gear mechanism to cause movement of said intermediate member when said primary member is moved between its other positions for higher motor speed, a reversible auxiliary motor in driving connection with said secondary member and an energizing circuit connected to said auxiliary motor, said intermediate member having contact means for controlling said energizing circuit to operate said auxiliary motor to drive said secondary member into positional correspondence with said primary member when said intermediate member is deflected from its "off" position, first contact means associated with said primary member and connected to at least one of said contactors appertaining to a terminal group for low motor speed so as to cause said variable-speed motor to operate at said low speed when said primary member is in a corresponding position, and second contact means associated with said secondary member and connected to at least one other contactor appertaining to a terminal group for high speed so as to cause said variable-speed motor to operate at said high speed when said secondary member is in a corresponding position.

2,454,217
PROCESS FOR THE MANUFACTURE OF A THIOPHAN DERIVATIVE
Otto Schnider, Jean-Pierre Bourquin, and André Grüssner, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application January 29, 1946, Serial No. 644,186. In Switzerland February 2, 1945
2 Claims. (Cl. 260—309)

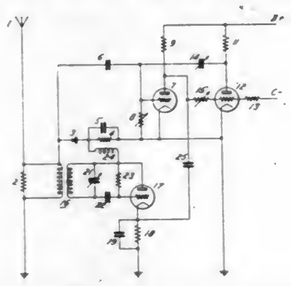
1. Process for the manufacture of a thiophan derivative, comprising reacting 2-(omega-methoxy-butyl)-thiophan - 3,4 - dicarboxylic - acid-ester with hydrazine-hydrate, treating the mother-liquor remaining after separation of crystalline hydrazide with sodium-nitrite, decomposing the resulting acid azide by heating with alcohol to yield the 3,4-diurethane, evaporating the solution under reduced pressure, dissolving the residue in benzene, passing the solution through a column of aluminum oxide, washing with benzene, eluting with chloroform, evaporating to dryness and converting the residue into the dihydrobromide of 2-(omega-bromo-butyl)-3,4-diamino-thiophan by heating with hydrobromic acid, reacting the resulting salt with phosgene, successively causing potassium-cyanide and a saponifying agent to act on the resulting reaction product and isolating the resulting 2-(omega-carboxy-butyl)-3,4-(imidazolidone-2')-thiophan in crystalline form after acidification.

2,454,218
COMPOSITE ASBESTOS MEMBER
Earl L. Schulman, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 10, 1943, Serial No. 509,737
3 Claims. (Cl. 154—2.6)



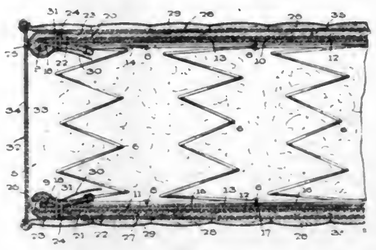
1. A composite electrical insulating member comprising, in combination, a plurality of laminations of long fiber woven asbestos fabric, a resin impregnating the fabric, and a layer of asbestos paper coextensive with and disposed between two of the laminations of asbestos fabric, the asbestos paper comprising a minor proportion of the member, the asbestos paper composed of short fiber asbestos, the asbestos paper being impregnated with resin, the asbestos fabric and paper bonded by the resin into a unitary member having higher breakdown voltage in a direction perpendicular to the plane of the laminations than a member without the asbestos paper.

2,454,219
TRANSPONDER FOR TESTING RADAR DEVICES
Mortimer A. Schultz, Baltimore, Md., and Robert E. Bertine, deceased, late of Pittsburgh, Pa., by Gladys L. Bertine, administratrix, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 27, 1946, Serial No. 665,360
4 Claims. (Cl. 250—17)



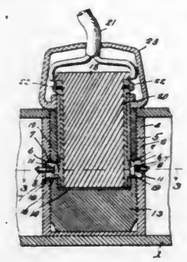
4. An electronic echo device for transmitters of pulsed radiant energy comprising receiving means energized by said pulse radiant energy, a capacitor charged through a rectifier by the output of said receiving means, and provided with a discharge circuit proportioned to produce saw tooth voltage waves on said capacitor, a time delay circuit having input terminals energized from said capacitor, and an oscillation generator adapted to produce intermittent pulses of energy, and means for initiating generation of said intermittent pulses by said oscillation generator connected to the output circuit of said time delay means.

2,454,220
MATTRESS
Maurice D. Seeche, Lawrence, Mass.
Application June 4, 1947, Serial No. 752,445
4 Claims. (Cl. 5—351)



1. A mattress comprising an inner coil spring assembly, upper and lower pluralities of superimposed pads, an intermediate one of the pads of each of the pluralities having a marginal roll-edge embracing the proximate marginal edge of the coil spring assembly, flaps secured to the inner side of the outer-most pad of the respective pluralities and folded over the roll edge of the proximate intermediate pad, means securing the flaps in said folded position, and an intervening peripheral covering for the mattress secured for the entire thickness thereof at its edges to the edges of the outer-most pads for the entire thickness of the respective outer-most pads.

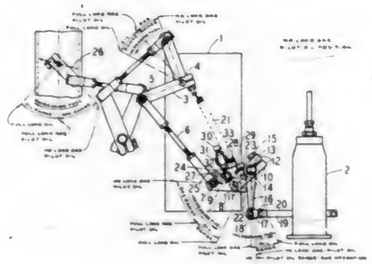
2,454,221
ELECTRIC SERVICE OUTLET
Fred H. Seals, Warner Robins, Ga.
Application February 11, 1946, Serial No. 646,929
2 Claims. (Cl. 173—330)



1. An electrical service outlet and plug including a cylindrical receptacle, opposed beveled contact elements slidably mounted in the wall thereof, yielding means on the contact elements normally urging them toward each other, a cylindrical socket member rotatable in the receptacle, the socket member having opposed transversely disposed arcuate cam grooves in its side wall in which the contact elements are received and having a non-circular socket extended inwardly from its outer end, the grooves each being deepest at one end and communicating at said ends with the socket at opposite points in the same plane along the side wall of the socket, means at the respective other ends of the grooves adapted to engage the contact elements when the socket member is in one extreme position, a plug formed correspondingly to the socket for insertion thereinto, and opposed contacts mounted in the side wall of the plug and projecting into said deepest ends of the grooves, the contacts on the plug being transversely grooved for locking engage-

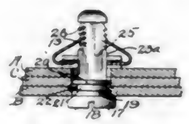
ment with the contact elements on the receptacle, the socket member being rotatable from said extreme position with the plug inserted, to position the receptacle contact elements at the deepest ends of the cam grooves and thereby bring the plug contacts into locking engagement with said elements.

2,454,222
FUEL REGULATING MEANS FOR DUAL FUEL ENGINES
Harold F. Shepherd, Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 18, 1947, Serial No. 780,742
6 Claims. (Cl. 123—121)



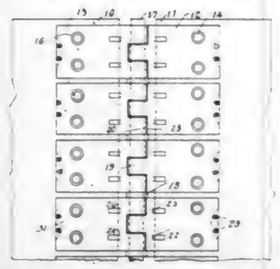
1. An internal combustion engine operating on fuel oil or gaseous fuel fired by pilot oil and provided with an engine driven governor for regulating the combined fuel supplied to said engine through a governor control linkage system including a stop and means incorporated in said linkage system comprising an articulated lever adapted to operate as a solid lever to control the supply of pilot oil under normal operation and adapted to operate as a cam fulcruming about said stop to supply additional oil fuel when the gas supply is decreased.

2,454,223
ROTATABLE SEPARABLE FASTENER
Winsor Shippee, Fair Haven, N. J.
Application August 9, 1944, Serial No. 548,693
5 Claims. (Cl. 24—221)



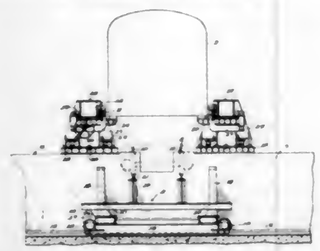
3. In a fastening device adapted to fasten together two apertured plates, a spring having inwardly and downwardly turned ends secured to one of said plates, upwardly and inwardly turned spring fingers formed on the central part of said spring, said spring having an aperture between said fingers, a shoulder in said aperture, a stud projecting through the apertures in both of said plates, and through the aperture in said spring, means on said stud engageable with said spring fingers upon rotation of said stud to secure the plates together, and stop means on said stud engageable with said abutments to limit the rotation of said stud.

2,454,224
BELT CONNECTOR
Charles P. Shook, Jr., Birmingham, Ala.
Application January 27, 1945, Serial No. 574,959
2 Claims. (Cl. 24—33)



1. A belt connector adapted for application to relatively wide, transversely flexible belts, comprising a relatively long temporary pintle, a plurality of hinges mounted on the pintle in side to side relation, each comprised of a pair of interconnecting U-shaped members fitting snugly about the pintle and having bolt holes therein for the reception of securing means for the belt, spacers on the pintle to limit movement of the hinge members toward each other said members abutting in end to end relation to limit movement thereof transversely of the pintle, and belt stops in each of the members closely adjacent the pintle, all of the said stops being in alignment across the connector, each of said U-shaped members having a plurality of small holes therein for reception of temporary securing means for a belt when marking it for punching.

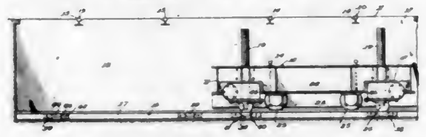
2,454,225
APPARATUS FOR SUPPORTING BODIES OF RAILWAY VEHICLES IN CONNECTION WITH REMOVAL AND REPLACEMENT OF THE TRUCKS THEREOF
Asa W. Skinner, Riverdale Village, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application July 31, 1947, Serial No. 765,066
13 Claims. (Cl. 104—32)



1. An apparatus designed for use with a railway track having an interruption therein and a vertically movable rail equipped element positioned adjacent the interruption and operative when raised to have the rails thereof bridge and complete the track, adapted after a railway vehicle is propelled along the track to a position wherein one of the trucks thereof is supported on the element to support the body of the vehicle so that the one truck may be released from the vehicle body and then lowered by said element, and comprising a pair of horizontal, laterally spaced beams disposed in an elevated position

with respect to the track and at opposite sides of the interruption, a pair of carriages mounted on the beams to move lengthwise thereof, and a pair of vehicle body supporting members mounted on the carriages so that they are movable back and forth between an operative position wherein they underlie and support the vehicle body and a retracted position wherein they are clear of the vehicle body.

2,454,226
DROP TABLE APPARATUS FOR USE IN SERVICING TRUCKS AND WHEELS OF RAILWAY VEHICLES
Asa W. Skinner, Riverdale Village, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application October 31, 1947, Serial No. 783,415
8 Claims. (Cl. 104—32)



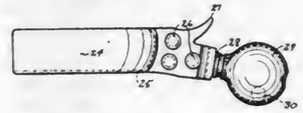
1. A drop table apparatus having associated therewith a main railway track with an interruption therein and an elongated pit extending transversely of the main track at said interruption and having a longitudinal track along its bottom, designed for use in removing and then replacing wheels on a railway vehicle on the main track, and comprising a table extending across the pit, adapted to be raised and lowered in the pit and when in its raised position while adjacent the main track to bridge the interruption and permit the wheels to be propelled thereover, and having mounted directly thereon wheels adapted when the table is in its lowered position in the pit to rest on the pit track and permit the table to be propelled therealong, a plurality of vertically extending struts connected to the table so that they and said table are capable of relative raising and lowering movement, and reversible power operated mechanism mounted on the table, operative to effect relative raising and lowering movement of the struts and table, and so related to said struts that it is adapted when actuated in one direction after the lower ends of the struts are supported at the pit bottom and the table is in its raised position first to lower the table until the wheels thereof rest on the pit track and then to raise the struts relatively to the table and free the latter so that it is capable of being propelled along the pit track, and is further adapted when actuated in the opposite direction first to lower the struts until the lower ends thereof are supported at the bottom of the pit and then to raise the table.

2,454,227
BETA-ALUMINA CATALYSTS
Albert E. Smith and Otto A. Beeck, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 26, 1947, Serial No. 794,080
15 Claims. (Cl. 252—434)

1. A process for the preparation of an adsorptive beta alumina suitable for use in catalysis which comprises reacting an alumina of the gamma system of Haber, in the absence of metal oxide isomorphous with alpha alumina, with a compound of an alkali metal selected from the group consisting of sodium, potassium and rubidium decomposable to the oxide by heat, at a temperature between about 900° C. and about 1400° C. for a time of at least two hours and until the material shows the X-ray diffraction pattern of beta alumina of the general formula $R_2O \cdot 11Al_2O_3$, R representing the alkali metal, the amount of said alkali metal compound employed being between about 3 mol % and about 12 mol % of the alumina.

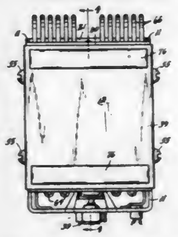
12. As a composition of matter a microporous alumina suitable for use in catalysis prepared by reacting an alumina of the gamma system of Haber, in the absence of a metal oxide isomorphous with alpha alumina, with a compound of an alkali metal selected from the group consisting of sodium, potassium and rubidium decomposable to the oxide by heat, at a temperature between about 900° C. and about 1400° C. for a time of at least two hours and until the material shows the X-ray diffraction pattern of beta alumina of the general formula $R_2O \cdot 11Al_2O_3$, R representing the alkali metal, the amount of said alkali metal compound employed being between about 3 mol % and about 12 mol % of the alumina, said alumina having an available surface of at least 20 $m.^2/g.$

2,454,228
SPUR
George N. Smith, near Nutwood, Ohio, assignor of one-half to Henry S. Robins, Warren, Ohio
Application June 3, 1946, Serial No. 674,078
2 Claims. (Cl. 54—83)



1. A spur comprising a U-shaped body member having an inturned flange thereon, a projecting portion on said spur including a spur point and a secondary projecting member, a bell affixed to said secondary projecting member.

2,454,229
THERMOELECTRIC GENERATOR WITH PILOT BURNER
Hubert T. Sparrow, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 31, 1942, Serial No. 453,113
20 Claims. (Cl. 136—4)



1. A combination electric generator and pilot burner device comprising, a plurality of thermocouples electrically connected in series, a pilot burner member having an elongated and rela-

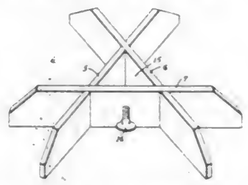
tively narrow slot at one end thereof for producing a thermocouple heating flame and having larger orifice means therein as igniter producing means, said burner having an opening at the opposite end thereof for the admission of gas and primary air thereinto, sleeve members for protecting the hot junction of the thermocouples, insulated casing means for insulating and supporting the thermocouples with one leg of each thermocouple on opposite sides of the said burner and with the hot junctions spaced from the pilot burner in a row extending parallel with said narrow pilot burner slot to be thus subjected to substantially the highest temperature produced by proper operation of the pilot flame, and the said sleeve members supporting the cold junction end portions of the thermocouples in a position below the said burner and sleeve members and in the path of the flow of primary air into the said pilot burner.

2,454,230
MOTOR BRUSH HOLDER CONNECTOR
Fernald S. Stickney, West Caldwell, N. J.
Application July 1, 1947, Serial No. 758,376
6 Claims. (Cl. 171—323)



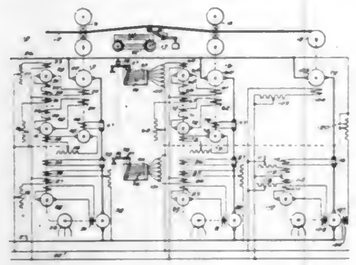
1. Means for making electrical connection to a small motor brush holder having an outer groove therein; said means comprising a helix of from one to one and a half turns of flat wire of good current conductivity and having a dimensional area which will substantially fill the groove in the holder, one end of the helix having a metallic sleeve thereon with said end bent over to hold the sleeve thereon, the sleeve also having a motor conductor inserted therein and then crimped so as to force said conductor and helix end into good electrical contact with each other.

2,454,231
STAND FOR CHRISTMAS TREES AND THE LIKE
Reinhold L. Stoick, Missoula, Mont.
Application October 30, 1946, Serial No. 706,717
3 Claims. (Cl. 248—44)



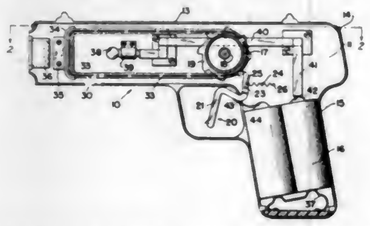
3. A stand for a Christmas tree or the like comprising three strips, two of said strips being formed each with a pair of spaced lateral slots extending inwardly from the same side edge of the strip about to the center line thereof, and the third of said strips being formed with a pair of spaced slots one of which extends from one side edge about to the center line of the strip and the other of which extends from the opposite side edge about to the center line of the strip, said slots being of such size and so arranged that each strip may be interlocked in the region of its slots with each of the other two strips to form a stand having a central triangular recess capable of receiving the trunk of a tree.

2,454,232
CONTROL SYSTEM
Glenn E. Stoltz, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 2, 1946, Serial No. 707,477
9 Claims. (Cl. 318—6)



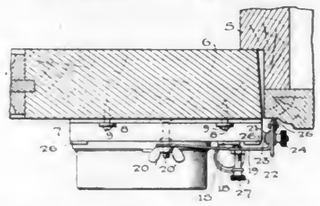
9. In a control system for a roll driving motor having an armature arranged to be energized from a source of electrical energy and a plurality of field windings; a pilot generator driven by the roll motor for producing a variable control voltage and having a field winding energized in accordance with the armature current of the roll motor; a regulating generator connected to energize one of the motor field windings and having a pattern field winding energized in accordance with said variable control voltage and a differential field winding energized in accordance with the armature current of the roll motor; an additional regulating generator connected to energize another of the motor field windings, said generator having a pattern field winding energized from a source of substantially constant control voltage, a cumulative control field winding energized in accordance with the tension of the strip and a differential field winding energized in accordance with the current of said another field winding; and means operable to vary the energizations of the pattern field windings jointly in opposite senses.

2,454,233
PICTURE PROJECTING PISTOL
Mathew A. Strumor, Brooklyn, N. Y.
Application April 27, 1946, Serial No. 665,554
1 Claim. (Cl. 88—28)



A picture projecting pistol comprising a housing including a barrel, said housing having a handle, battery cells in said handle, a trigger pivoted to said housing, a drum rotatable in said housing rearward of the barrel, opposed complementary vertical guides mounted in the side walls of the barrel near the muzzle thereof, an endless flexible belt trained about said drum and registering in said guides, said belt having film receiving means between the edges thereof, said edges of said belt comprising strips, said strips having longitudinal grooves cut into the juxtaposed inner walls of said edges, said grooves having transversely aligned obstructions therein thereby providing spacers in said grooves defining the length of the individual films, said grooves between successive of said spacers providing said film receiving means for the insertion of the edges of the film thereinto, means partly on said drum and partly on said trigger for advancing said belt a distance equal substantially to the length of one of said films upon pulling of said trigger, means normally retaining the trigger in cocked position, a light bulb mounted between said drum and said guides, a lens mounted forward of said guides, circuit means connecting one terminal of said bulb with one terminal of said cells, and means on said trigger for closing said circuit through said bulb upon said pulling of said trigger.

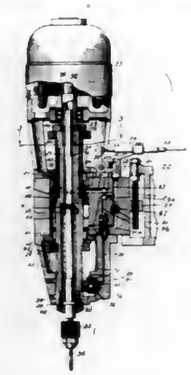
2,454,234
PORTABLE ALARM
Samuel Sundel, Philadelphia, Pa., assignor of one-half to Alexander Sundel and one-half to Christ Bastis, both of New York, N. Y.
Application April 12, 1945, Serial No. 587,875
2 Claims. (Cl. 200—54)



2. In a portable self-contained alarm of the type including a mounting panel adapted to be secured to a closure, a circuit maker and breaker embodying a contact fixedly secured to the panel, a resilient contact strip secured at one end to the panel, the other end overlying the fixed contact and extending beyond the edge of the closure, and a spacer pivotally mounted on the extended end of said resilient contact strip, the pivoted spacer having a set position extending from the resilient contact strip and into engagement with the closure frame when the closure is closed, the spacer being automatically pivotable, when the closure is opened, to a free position wherein it does not engage the closure frame when the closure is subsequently closed.

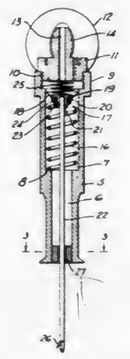
2,454,235
DRILLING MACHINE
Ernst J. Tomek, Danbury, Conn., assignor to Connecticut Tool & Engineering Company, Bridgeport, Conn., a corporation of Connecticut
Application October 19, 1943, Serial No. 506,815
12 Claims. (Cl. 77—32)

1. In a power driven and fed tool spindle mechanism, a reciprocatory tool spindle; and a hydraulic circuit for controlling the movements of said tool spindle including hydraulic power means for causing the spindle to approach and travel relative to the work, a valve mechanism including a part manually set and a part operated by the spindle in its travel for causing rapid movement of the spindle to work-engaging position and becoming inoperative to control the speed of travel of the spindle after it reaches a predetermined work-engaging position, said manually set part being adjustable to vary the point in the travel of the spindle at which it becomes inoperative and another valve mechanism manually adjustable for



variably controlling the speed of travel of the spindle in the working portion of the stroke thereof; an adjustable stop for engaging the spindle and limiting the outer movement of the spindle; and means operated by the power means after the spindle has stopped for reversing the power means and returning the spindle to starting position.

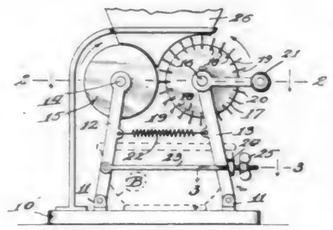
2,454,236
PNEUMATIC KNITTING DEVICE
Marcel Vitoux, Troyes, France, assignor to American Vitos Company, Inc., New York, N. Y., a corporation of Delaware
Application August 6, 1947, Serial No. 766,697
In France December 10, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 10, 1962
1 Claim. (Cl. 66—1.5)



A knitting device comprising a cylinder having a longitudinal bore, a piston at the upper end of said bore slidably arranged therein, a spring upon which said piston is supported, a bushing at the lower end of the cylinder, having an opening formed therein, and a knitting needle carried by the piston and passing through the opening in

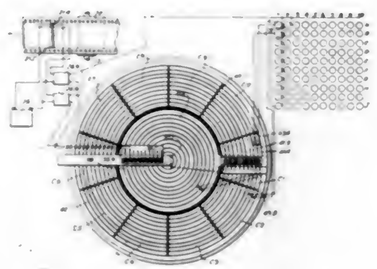
the bushing, the contour of said opening and cross-section of the needle corresponding one to the other and being such as to prevent rotary movement of the needle, said piston including a leather cup and means connected with said leather cup for supporting an end of said knitting needle directly below said leather cup.

2,454,237
VEGETABLE CUTTER
Albert G. Wahl, Los Angeles, Calif.
Application June 20, 1947, Serial No. 755,942
1 Claim. (Cl. 146—122)



In a vegetable cutter, a base, two pairs of upright arms having their lower ends pivoted on said base, rollers mounted for rotation upon and between the upper portions of the members of said pairs of arms, spaced radially arranged blades projecting from the periphery of one of said rollers, retractile springs connecting the intermediate portions of the arms on both sides of the cutter, perforated lugs on the lower portions of the arms carrying the roller provided with the blades, rods passing through said perforated lugs, said arms at one end being pivoted to the lower portions of the arms carrying the other roller, the ends of said rods being threaded and nuts mounted on the threaded portions of said rods outwardly from said lugs.

2,454,238
ELECTRICALLY ILLUMINATED DISPLAY APPARATUS
Fred Waller, Huntington, N. Y., and Willis Robert Dresser, Long Hill, Conn., assignors to The Vitarama Corporation, Huntington Station, N. Y., a corporation of New York
Application July 26, 1944, Serial No. 546,712
3 Claims. (Cl. 177—350)



1. In an electrically illuminated display device, in combination, a multiplicity of lamps arranged in a plurality of successive groups, the lamps of each group being equal in number, a single control band having a series of control frames, a single series of circuit controlling devices controlled by said control band, the number of controlling devices in said series corresponding to the number of lamps in each group, means for advancing said control band across said circuit controlling devices, means for completing circuits controlled by said series of circuit controlling devices successively to each of said successive groups of lamps while said control band is being advanced one frame length, and means in each of said circuits for controlling the apparent intensity of illumination of each of said lamps, said means being controlled by said circuit controlling devices.

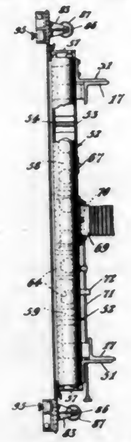
2,454,239
SURFACE COVERING MATERIAL
Frank Washburn, La Fayette, Ind., assignor of one-half to William O. Mayne, Battle Creek, Mich.
Application July 23, 1946, Serial No. 685,685
5 Claims. (Cl. 108—7)



2. A roof shingle of substantially rectangular shape with one of its diagonals disposed in a vertical plane, a lateral corner of each of said shingles being truncated to provide a vertical guide, a pair of downwardly converging sides for each shingle, a pair of lugs formed at the bottom of each shingle having an outer straight edge disposed at an angle of 45° with said converging sides, a hook formed by a recess in one of said converging edges directly below said truncated corner for limiting the upward movement of said pair of lugs, and a second lateral corner provided in each of said shingles having an inwardly stepped vertical guide as a laying guide for abutting engagement with said first vertical guide of an adjacent shingle, whereby said laying guides and hook are adapted to maintain said shingles in vertical and horizontal alignment.

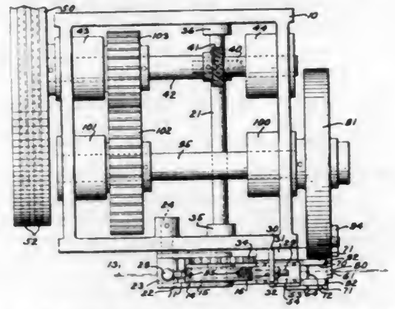
2,454,240
PHOTOGRAPHIC SUCTION HOLDER
Stephen N. Wekeman, Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
Original application April 29, 1943, Serial No. 485,004. Divided and this application March 1, 1946, Serial No. 651,213
3 Claims. (Cl. 88—24)

1. In a device of the character described, a suction housing and an abjective lens spaced therefrom, the front wall of said suction housing comprising a centrally disposed translucent focusing plate disposed in and at right angles to the optical axis of said objective lens, said front wall and said plate being provided with apertures placing the interior of said housing in communication with the atmosphere, the rear wall of said suction housing comprising a movable door centrally disposed which may be opened when it becomes desirable to view said focusing plate, and a suction hose having one end secured to said



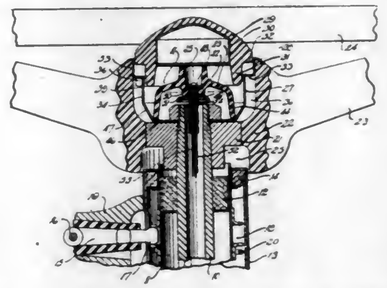
door and in communication with the interior of said housing.

2,454,241
WIRE-CUTTING APPARATUS
August Wennerberg, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1946, Serial No. 683,041
3 Claims. (Cl. 140—146)



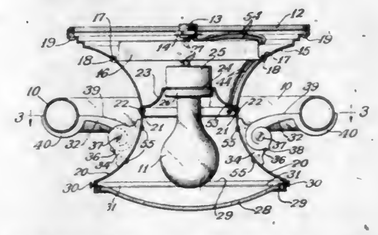
1. In a stock cutting apparatus, a cutting blade having a cutting surface, means for moving said blade in a circular path, a pair of feed rolls operable in timed relation to said moving means for moving said stock into the path of said blade, a cutting member having a shearing edge for cooperating with said blade, means for supporting said cutting member for limited movement with respect to the path of said blade, adjustable means for selectively limiting the movement of said cutting member with respect to the path of said blade, resilient means for urging the cutting member toward the path of said blade, a channel in said cutting member having walls for aligning said stock, a channel disposed between said feed rolls and said cutting member having walls for guiding said stock, a flange on one of said feed rolls overlapping the rim of the other of said rolls to retain the stock between said rolls, and a camming surface on said cutting member for engagement by said blade to align the cutting edge of said member with the cutting surface of said blade.

2,454,242
HORN BUTTON CONSTRUCTION
John J. Wharam, Dearborn, and Milton Jovanovich, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 20, 1945, Serial No. 623,496
3 Claims. (Cl. 200—59)



1. In a push-button electrical switch construction of the type in which the operating member is resiliently urged into one position of reciprocation and may be depressed therefrom against said urging to another position of reciprocation to effect a change in an electrical circuit but will be automatically returned to said one position when pressure is released, comprising, an operating member, a unitary actuating member formed of resilient rubber-like material having a first portion opposing a relatively slight resistance to the initial travel of said operating member and second portion opposing a substantially greater resistance to continued travel of said operating member thereafter, a mounting, said operating member comprising a horn button reciprocably disposed in said mounting and urged outwardly therefrom by the resiliency of said actuating member, a bayonet and pin connection effective between said horn button and said mounting to limit the outward movement of said button, a fixed contact member on said mounting, a movable contact member insulatedly supported on said actuating member, said movable contact member being adapted to engage said fixed contact member on the flexure of said first portion and said pin and slot being brought into disengaging alignment on further depression of said horn button resiliently opposed by the flexure of said second portion.

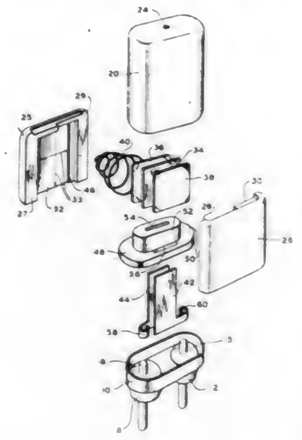
2,454,243
LIGHTING FIXTURE
Arthur E. Wiedenhoeft, Glen Ellyn, Ill.
Application September 7, 1945, Serial No. 614,881
9 Claims. (Cl. 240—51.12)



1. A lighting fixture comprising a circular tube lamp, a reflector extending downwardly within the lamp, arms movably secured to the reflector

to swing within the lamp for admitting it from below past the arms and movable outwardly therefrom for supporting the lamp above and at the ends of the arms.

2,454,244
MOISTUREPROOF HOUSING FOR PIEZO-ELECTRIC ELEMENTS
Carlton H. Wintermute, Newark, N. J.
Application February 19, 1945, Serial No. 578,750
14 Claims. (Cl. 171—327)

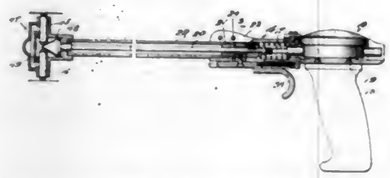


6. A moisture-proof housing for a piezo-electric element comprising a metallic cap and a base, said base including a stamped, metallic frame, said frame forming the external member of said base, the upper portion of said frame making a sliding fit with said cap, and the lower portion of said frame having two bottom openings, two pins for establishing electrical connections of said element, a glass seal filling the bottom portion of said frame, and holding said pins in concentric relationship with respect to said openings, the inner ends of said pins protruding through said glass seal into said housing for establishing said electrical connections with the mountings of said piezo-electric element, said frame, pins, and glass seal having substantially equal thermal coefficients of expansion, and a solder seal between said cap and said frame for making said housing moisture-proof.

2,454,245
FLAME-RETARDING MATERIAL AND PROCESS OF MAKING THE SAME
Jackson A. Woodruff, St. Davids, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 20, 1946, Serial No. 649,131
5 Claims. (Cl. 117—137)

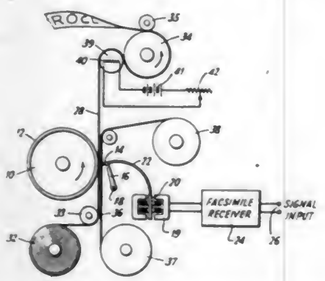
3. The method of rendering cellulose flame resistant and capable of withstanding repeated wetting with water without substantial loss of flame resistance, which comprises treating the cellulose with an aqueous solution of sodium tungstate, removing excess treating liquid from the material, and thereafter treating the material with an aqueous dilution of an acid solution of the resin obtained by reacting substantially equimolecular proportions of cyanamide and formaldehyde in an aqueous medium having a pH of about 6 to 9, at a temperature between about 70° C. and 100° C., to thereby form on the cellulose a water insoluble complex of tungsten with the resin, and fix the complex to the cellulose through the substantivity of the resin for cellulose, the complex being formed and fixed to the cellulose without benefit of curing.

2,454,246
BORE GAUGE
John H. Worthen, Providence, R. I., assignor to Federal Products Corporation, a corporation of Rhode Island
Application October 17, 1944, Serial No. 559,070
2 Claims. (Cl. 33—147)



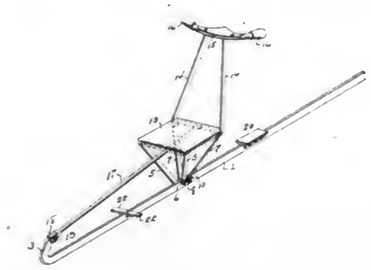
1. In a bore gage, a body member, a dial indicator carried thereby having an operating plunger, a slidably mounted actuating rod engageable with said plunger, a trigger slidably mounted on the body member, means connecting said trigger to said rod including an abutment secured on said rod, an abutment secured on said trigger and extending about said rod and free thereof, one in the path of sliding movement of the other, a spring urging said rod away from said plunger and a spring urging said trigger away from said plunger.

2,454,247
FACSIMILE RECORDING APPARATUS
Charles J. Young, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1945, Serial No. 637,660
2 Claims. (Cl. 178—11)



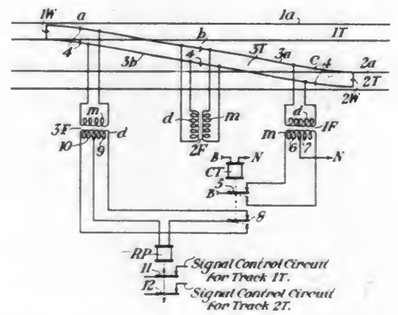
1. A facsimile recorder comprising a recording drum and means for passing a record sheet relative to said drum and moving said sheet so that the sheet and drum have at least tangential peripheral contact, means for marking said record sheet at the point of contact with said drum under the control of received signals, means for treating the marks on the record sheet comprising a heating device over which the marked record sheet is passed subsequent to a recording operation thereon, and means for regulating the quantity of heat supplied to said record sheet.

2,454,248
ICE GLIDER
Paul Anderson and Bernard Anderson, Clifton, N. J.
Application May 11, 1945, Serial No. 593,260
4 Claims. (Cl. 280—23)



2. A sled comprising a seat including a front supporting frame having a horizontal portion, portions depending from the ends of the horizontal portion, a rear supporting frame including lower portions, a cross member secured to and bridging the lower portions and paralleling said horizontal portion, a top for the seat and fixed to the horizontal portion and cross member, upper portions included in the rear frame, a handle bar secured to and bridging the upper ends of the upper portion, a relatively long runner having openings therein, parallel portions formed on the lower ends of the depending portions and said lower portions respectively, inwardly directed dowel pins on said parallel portions and receivable in certain openings of the runner, means for disposal through the remaining openings of the runner for cooperation with the dowel pins for detachably securing the runner to the frames, and bracing means for the seat and detachably secured to the runner.

2,454,249
TRAFFIC PROTECTION APPARATUS
John H. Broadbent, Willistown Township, Chester County, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 25, 1946, Serial No. 664,717
8 Claims. (Cl. 246—114)

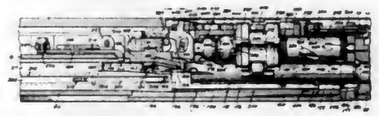


1. In combination, a stretch of railway track divided into two sections, a coding device having two contacts repeatedly closed at the same time alternately in a first position and a second position while said coding device is energized, a transformer, a secondary winding of said transformer connected across the rails of one of said sections adjacent one end of said stretch of track, means controlled by one of said contacts in its first and second positions for repeatedly energizing the primary winding of said transformer alternately in opposite directions, a second transformer the primary winding of which is connected across the opposite end of said one track section and the secondary winding of which is connected across the adjacent end of the other track section, a decoding transformer the primary winding of which is connected across the opposite end of said other track section, a code detecting relay, means including the other one of said contacts for rectifying the current from the secondary winding of said decoding transformer for energizing said code detecting relay, and traffic governing means controlled by said code detecting relay.

2,454,250
MOLDING COMPOSITION OF POLYVINYL AROMATIC COMPOUND
Lawrence M. Debing, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 27, 1945, Serial No. 625,103
4 Claims. (Cl. 260—45.2)

1. A molding powder comprising one part of a solid polymer consisting of a polymerized vinyl aromatic compound taken from the group consisting of styrene, ring-substituted alkyl styrenes, ring-substituted chlorostyrenes and vinyl naphthalene, blended with from ½ to 5 parts of a pulverulent, incompatible, infusible, insoluble aldehyde-aminotriazine resin, said molding powder being capable of being molded under heat and pressure.

2,454,251
CARTRIDGE FEEDING MECHANISM FOR AUTOMATIC GUNS
Wallace Hamilton, Albany, N. Y.
Application January 11, 1946, Serial No. 640,447
4 Claims. (Cl. 89—33)

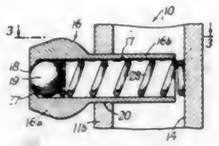


3. In a gun having a tube, normally locked means operable by gas pressure from an intermediate point in said tube to feed successive rounds into position for ramming, and means operable by blow-back impact of cartridge cases to unlock said locked means for a feeding step.

2,454,252
LUBRICATOR HEAD CONSTRUCTION
Lewis R. Heim, Fairfield, Conn., assignor to The Heim Company, Fairfield, Conn.
Application February 24, 1945, Serial No. 579,619
3 Claims. (Cl. 184—105)

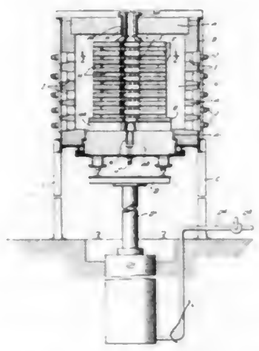
2. In bearing construction, in combination, a member having a bore extending therethrough

and having a hole extending through its wall into said bore, the axis of said hole being at right angles to the axis of said bore, a second member having a cylindrically shaped inner portion securely mounted in said hole and extending across said bore to abut against the opposite side thereof, the inner end of said second member being cut off in a radial plane, whereby space is provided between the inner end of said second member and the curved side wall of said bore when said second member is mounted on said



first-mentioned member, said second member having a lubricating hole extending therethrough and having a head shaped to fit the mouth of a nozzle of a lubricant-injecting unit, said lubricating hole having a portion of reduced diameter adjacent the outer end thereof to provide a valve seat, a check ball mounted in said last-mentioned hole, and spring means for holding said ball against said valve seat, said spring means acting between said check ball and the wall of said bore against which the inner end of said second member abuts.

2,454,253
METHOD OF AND APPARATUS FOR HEATING STACKED BODIES
James Kniveton, Wyncote, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application January 25, 1947, Serial No. 724,341
4 Claims. (Cl. 263—43)



1. A method of heating bodies in an enclosed furnace space having a heating gas outlet at its upper end which consists in arranging said bodies in said space in a stack with a vertically disposed central flue in said stack and communicating at its upper end with said outlet, and with horizontal passages extending from the outer side of the stack to said central flue at different levels from the portion of the furnace space at the outer side of said stack, and burning a combustible gas and air mixture in said furnace space portion and thereby radiating heat to said stack and filling said space portion with hot gases, and in burning a combustible gas and air mixture under a pressure higher than that of the atmosphere and thereby producing a jet of highly heated combustion products passing upward through said central flue and thereby aspirating said hot gases into said central flue through said horizontal passages.

2,454,254
STABILIZED ORGANIC PEROXIDES
Robert Kuoch, Tonawanda, and Edward S. Shanley, Kenmore, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.
No Drawing. Application February 24, 1944, Serial No. 523,730
9 Claims. (Cl. 260—610)

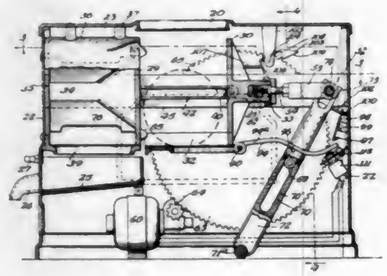
1. A stabilized organic peroxide composition essentially consisting of a single phase liquid mixture of an alkyl ester of phthalic acid and an organic peroxide containing more than 6.6% active oxygen of the formula

where R is a straight chain unsubstituted alkyl radical and R' is a radical selected from the class consisting of (*a*) straight chain unsubstituted alkyl radicals and (*b*) hydrocarbon monocyclic aryl radicals.

2,454,255
POLYSTYRENE-CHLORINATED META DIPHENYL BENZENE COMPOSITION
Joseph R. Mares, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 6, 1944, Serial No. 566,947
1 Claim. (Cl. 260—45.5)

A composition of matter consisting of 100 parts of polystyrene resin and 100 parts of chlorinated meta diphenyl benzene containing 68% chlorine, said composition being characterized by a heat distortion temperature above that of polystyrene.

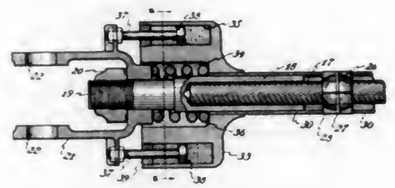
2,454,256
JUICE EXTRACTOR
Louis Myers, Rockford, Ill.
Application January 11, 1945, Serial No. 572,333
15 Claims. (Cl. 100—41)



3. In a juice extractor, the combination of a casing having a horizontally extending squeezing

chamber therein, a pair of squeezer members respectively adapted to move the fruit horizontally into and squeeze the fruit in said chamber and to withdraw the fruit-residue from the chamber, means for guiding the squeezer members, the members being relatively movable, one of said members being movable in one direction in the chamber by the other by fruit interposed between them and being retractable by the other member for moving the fruit-residue out of the chamber, a holder for fruit between the squeezer members, means for arresting said one member in the chamber, and mechanism for reciprocating said other member to move the fruit from the holder into said chamber, and in coaction with said one member while it is stopped by said arresting means, to express the juice from the fruit therein and withdraw the one member to force the fruit-residue from said chamber.

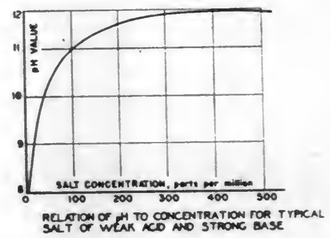
2,454,257
ARRESTING HOOK
Donald C. Rowe, Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of Delaware
Application October 4, 1934, Serial No. 746,762
11 Claims. (Cl. 244—110)



3. An arresting gear for aircraft comprising a tension element flexible throughout its length organized to normally assume a straight line attitude and capable of being curvably deformed in a vertical plane only, means secured to said element for tensioning same, and means secured to said element for damping the movement of said element between straight line and curved attitudes.

2,454,258
WATER TREATMENT TO PREVENT EMBRITTLEMENT CRACKING
Wilburn C. Schroeder, Calvert Hills, and Abraham A. Berk, Berwyn Heights, Md., assignors to the United States of America as represented by the Secretary of the Interior
Application July 2, 1942, Serial No. 449,454
19 Claims. (Cl. 210—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

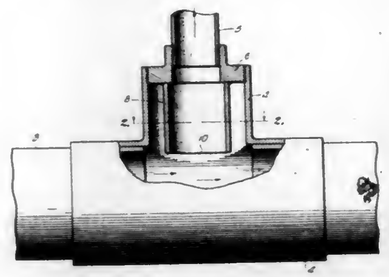
1. A method of conditioning the water in a boiler to render it alkaline but incapable of yielding strong concentrations of caustic soda on evaporation, in which the alkalinity is imparted to the water exclusively by hydrolytic dissociation of alkali-metal salts and especially one of said salts selected from the group consisting of secondary and tertiary phosphates, silicates, borates, acetates and fluorides, and in which the alkalinity of the boiler water is controlled by determining the concentrations of all the alkali-metal salts of said group contained in the boiler water exclusive of the selected salt and determining the concentration of the selected salt which in conjunction therewith would impart to pure water a selected pH value desirable for boiler operation and lying between 8.5 and 12, adding to the boiler water the so determined



RELATION OF pH TO CONCENTRATION FOR TYPICAL SALT OF WEAK ACID AND STRONG BASE

concentration of the selected salt, testing the pH of the boiler water from time to time, and adding thereto such quantities of the selected salt and of acid and basic agents as are indicated by the tests to be necessary concurrently to maintain the so determined concentration of the selected salt and an alkalinity of the boiler water between the selected pH value and 8.5.

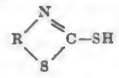
2,454,259
SELF-CLEANING SCREEN STRUCTURE
Rolland O. Shadday, Joplin, Mo., assignor to Herbert Wolcott, Columbia, Mo.
Application April 30, 1945, Serial No. 591,129
2 Claims. (Cl. 210—167)



2. A self-cleaning screen assembly comprising, in combination with a main conduit for conducting a liquid flow and having a branch pipe portion tapped for a branch pipe connection, an adapter fitting having a body portion threaded into said branch pipe portion and formed with an exterior nipple for connection with a branch pipe and also an interior pipe section of relatively larger inside diameter than the inside diameter of said exterior nipple and projecting in alinement therewith, whereby the inner end of said pipe section is positioned by turning of said body portion of the fitting in substantially flush relation with the interior wall of the main conduit, and a screen element carried by the inner end of said pipe section in substantially parallel relation to the direction of the main liquid flow through said main conduit.

2,454,260
PREPARATION OF METAL MERCAPTIDES OF AMINO-ARYL MERCAPTANS
Norbert Steiger, Nutley, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application February 12, 1946, Serial No. 647,197
9 Claims. (Cl. 260—429)

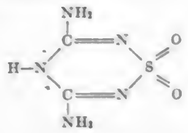
8. A process of preparing metal compounds of amino-aryl mercaptans which comprises hydrolyzing a compound of the general formula:



in which R is an arylene radical of the group consisting of the phenylene and naphthalene series, free from substituents reactive in the process steps, adjacent carbon atoms of which are attached to the nitrogen and sulfur atoms, with an alkali metal hydroxide in the presence of calcium hydroxide, whereby insoluble calcium carbonate is formed, treating the reaction product, in the presence of an alkali metal hydroxide, with zinc chloride in an amount sufficient substantially to remove sulphide in the form of insoluble zinc sulphide, but insufficient in amount to form any substantial quantity of zinc aryl-amino-mercaptide.

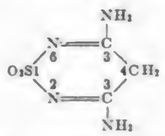
2,454,261
AMINOTRIAZINE AND DERIVATIVES
Henry A. Walter, Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 19, 1946, Serial No. 642,434
2 Claims. (Cl. 260—249.5)

1. 3,5-diamino-4-hydro thiotriazine-1-dioxide having the formula



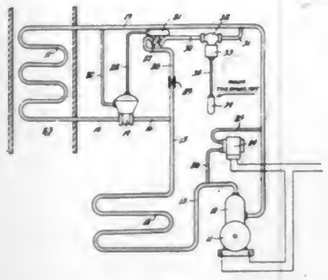
2,454,262
DIAMINO THIADIAZINE DERIVATIVES
Henry A. Walter, Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 6, 1947, Serial No. 766,893
2 Claims. (Cl. 260—243)

1. 3,5-diamino-4-dihydro thiadiazine-1-dioxide having the following structure



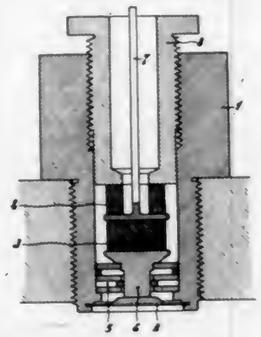
2. A process for preparing 3,5-diamino-4-dihydro-thiadiazine-1-dioxide which comprises reacting together substantially equimolar proportions of sulfamide and malononitrile in solution in an alcohol and recovering said 3,5-diamino-4-dihydro-thiadiazine-1-dioxide.

2,454,263
REFRIGERATION SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 5, 1943, Serial No. 481,795
17 Claims. (Cl. 62—8)



1. In a refrigeration system having an evaporator, in combination, an expansion valve in control of the flow of refrigerant to the evaporator and including a thermostatic element responsive to the temperature of the refrigerant leaving the evaporator, an auxiliary evaporator associated with the thermostatic element of the expansion valve for cooling the same to vary the superheat maintained at the outlet of said evaporator by the expansion valve, conduit means for supplying refrigerant to said auxiliary evaporator from the main system from a point upstream of the main evaporator, restrictor means in said conduit means, and means including a valve arranged to prevent or establish the discharge of refrigerant from the auxiliary evaporator.

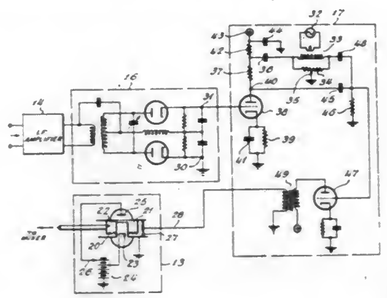
2,454,264
PIEZOELECTRIC DEVICE FOR CONVERTING PRESSURE VARIATIONS INTO POTENTIAL VARIATIONS
Willem Hendrik Stigter, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 19, 1943, Serial No. 472,919
In the Netherlands August 31, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires August 31, 1960
9 Claims. (Cl. 171—327)



1. A piezo-electric pressure indicator comprising a piezo-electric element, a diaphragm member mechanically connected to the piezo-electric element for applying a variable pressure thereto, means for applying a preliminary pressure to the piezo-electric element, and resilient means interposed between the piezo-electric element and the diaphragm member to relieve the diaphragm member of the preliminary pressure applied to the piezo-electric element.

2,454,265
AUTOMATIC FREQUENCY CONTROL SYSTEM
Edwin T. Jaynes, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application November 6, 1943, Serial No. 509,262
19 Claims. (Cl. 250—36)

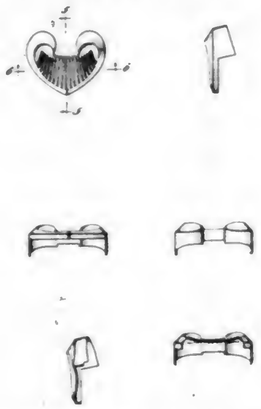
1. Automatic frequency control apparatus, comprising a controlled oscillator having a frequency-determining circuit and thermally-actuated means for tuning said circuit, means for deriving a control signal corresponding to deviation of the output frequency of said oscillator from a desired value, a control tube having an anode, a control grid and cathode, means connecting said signal-deriving means to said control grid to impress said control signal thereon, an output impedance, a source of alternating voltage, means connecting said source between said anode and cathode in series with said output impedance, means for deriving an alternating output voltage from said output impedance, a source of adjustable alternating voltage, means for combining said alternating output voltage in phase opposition with an adjustable alternating voltage derived from said latter source, and means for heating said tuning means by said combined voltages to restore said oscillator frequency to the desired value.



DESIGNS

NOVEMBER 16, 1948

151,728
DESIGN FOR A TERMINAL LINK FOR A WATCH BRACELET OR SIMILAR ARTICLE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application July 7, 1948, Serial No. 147,417
Term of patent 14 years
(Cl. D45—4)



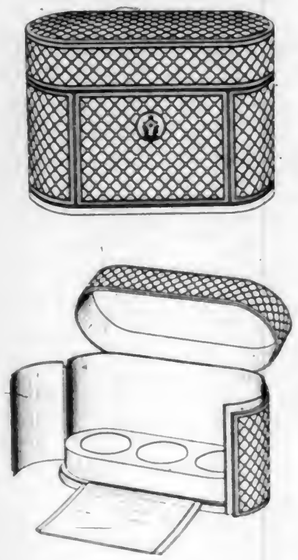
The ornamental design for a terminal link for a watch bracelet or similar article, substantially as shown.

151,729
DESIGN FOR A CONTAINER FOR A PERFUME BOTTLE OR THE LIKE
Georges Baud, Paris, France
Application March 29, 1946, Serial No. 128,049
In France February 7, 1946
Term of patent 14 years
(Cl. D58—11)



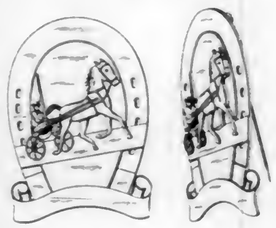
The ornamental design for a container for a perfume bottle or the like, as shown.

151,730
DESIGN FOR A CONTAINER FOR PERFUME BOTTLES OR THE LIKE
Georges Baud, Paris, France
Application March 29, 1946, Serial No. 128,050
In France January 19, 1946
Term of patent 14 years
(Cl. D58—11)



The ornamental design for a container for perfume bottles or the like, as shown and described.

151,731
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Octave Blake, Plainfield, N. J.
Application May 14, 1948, Serial No. 146,384
Term of patent 14 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,732
DESIGN FOR A LADY'S STOCKING
William G. Bley, Bustleton, Pa., assignor to William G. Bley and Richard C. Spurgeon, copartners trading as Bley & Spurgeon, Philadelphia, Pa.
Application November 20, 1947, Serial No. 142,696
Term of patent 14 years
(Cl. D47—7)



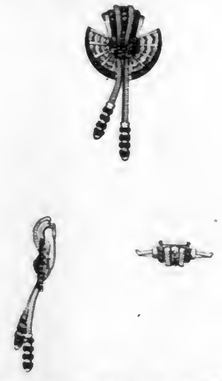
The ornamental design for a lady's stocking, as shown.

151,733
DESIGN FOR A LADY'S STOCKING
William G. Bley, Bustleton, Pa., assignor to William G. Bley and Richard C. Spurgeon, copartners trading as Bley & Spurgeon, Philadelphia, Pa.
Application November 20, 1947, Serial No. 142,697
Term of patent 14 years
(Cl. D47—7)



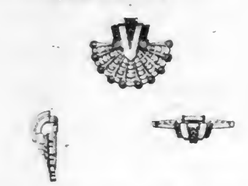
The ornamental design for a lady's stocking, as shown.

151,734
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application February 14, 1948, Serial No. 144,473
Term of patent 3½ years
(Cl. D45—19)



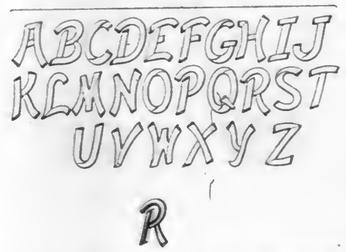
The ornamental design for a clip or similar article, as shown.

151,735
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application February 14, 1948, Serial No. 144,474
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a clip or similar article, as shown.

151,736
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Michael Chernow, New York, N. Y.
Application November 26, 1946, Serial No. 135,094
Term of patent 14 years
(Cl. D64—12)



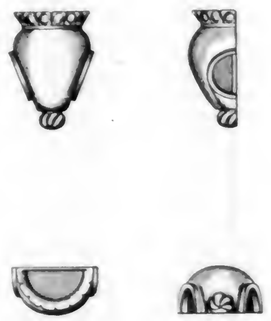
The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

151,737
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Michael Chernow, New York, N. Y.
Application November 26, 1946, Serial No. 135,095
Term of patent 14 years
(Cl. D64—12)



The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

151,738
DESIGN FOR A SCARF HOLDER OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application January 6, 1948, Serial No. 143,554
Term of patent 7 years
(Cl. D17—10)



The ornamental design for a scarf holder or similar article, substantially as shown.

151,739
DESIGN FOR A CHILD'S SPOON
Roland S. Claflin, Park Ridge, Ill.
Application March 15, 1947, Serial No. 137,631
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a child's spoon, as shown.

151,740
DESIGN FOR A GIRDLE
Hazel Miller Colby, Chicago, Ill.
Application January 12, 1948, Serial No. 143,664
Term of patent 14 years
(Cl. D20—2)



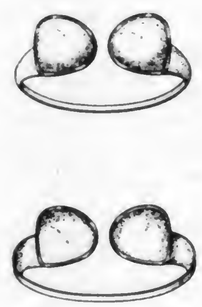
The ornamental design for a girdle, substantially as shown.

151,741
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Edward J. Conroy, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application January 22, 1947, Serial No. 136,289
Term of patent 14 years
(Cl. D54—12)



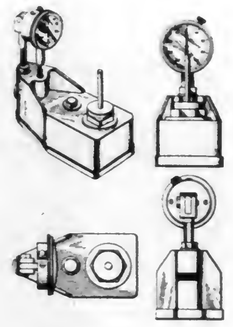
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

151,742
DESIGN FOR A BRASSIÈRE
Lilly Daché, New York, N. Y.
Application March 16, 1948, Serial No. 145,110
Term of patent 14 years
(Cl. D20—4)



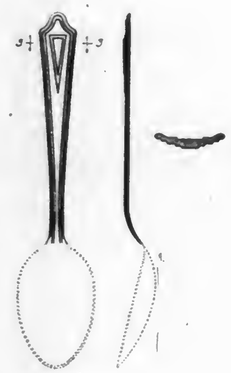
The ornamental design for a brassière, as shown.

151,743
DESIGN FOR AN INTERNAL LENGTH COMPARATOR GAUGE
Walter K. Dow, Longmeadow, Mass.
Application December 10, 1946, Serial No. 135,393
Term of patent 14 years
(Cl. D52—1)



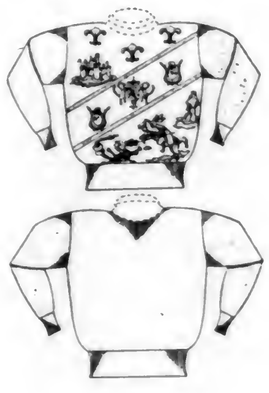
The ornamental design for an internal length comparator gauges, as shown.

151,744
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Allen J. Eggleston, Hamden, Conn., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1948, Serial No. 144,798
Term of patent 14 years
(Cl. D54—12)



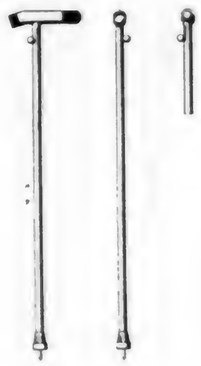
The ornamental design for a spoon or similar article, as shown and described.

151,745
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Bernard Ehrenreich, New York, N. Y.
Application March 17, 1948, Serial No. 145,183
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater or similar article, substantially as shown and described.

151,746
DESIGN FOR A WALKING STICK
Eberly R. Ethington, Santa Monica, Calif.
Application May 8, 1946, Serial No. 129,450
Term of patent 3½ years
(Cl. D88—3)



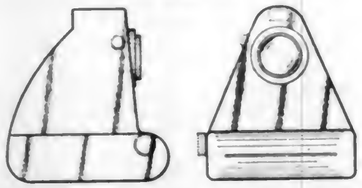
The ornamental design for a walking stick, as shown.

151,747
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Emil E. Fachon, Edgewood, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y., a corporation of New York
Application May 26, 1948, Serial No. 146,606
Term of patent 7 years
(Cl. D45—4)



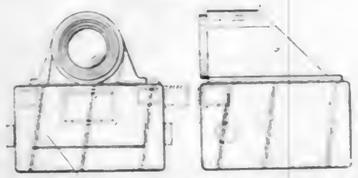
The ornamental design for a bracelet or similar article, as shown and described.

151,748
DESIGN FOR A CAMERA OR SIMILAR ARTICLE
Murry N. Fairbank, Belmont, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 14, 1946, Serial No. 135,518
Term of patent 14 years
(Cl. D61—1)



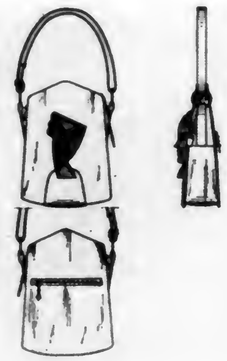
The ornamental design for a camera or similar article, substantially as shown and described.

151,749
DESIGN FOR A CAMERA OR SIMILAR ARTICLE
Murry N. Fairbank, Belmont, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 16, 1946, Serial No. 135,551
Term of patent 14 years
(Cl. D61—1)



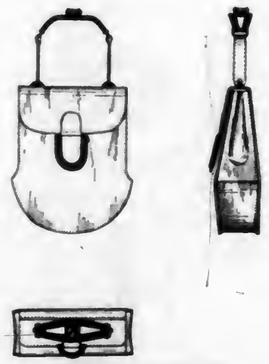
The ornamental design for a camera or similar article, substantially as shown and described.

151,750
DESIGN FOR A HANDBAG
Charles Feigl, New York, N. Y.
Application June 17, 1948, Serial No. 147,034
Term of patent 7 years
(Cl. D87—3)



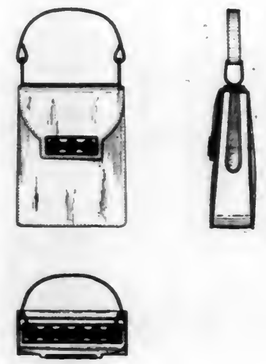
The ornamental design for a handbag, substantially as shown and described.

151,751
DESIGN FOR A HANDBAG
Charles Feigl, New York, N. Y.
Application June 17, 1948, Serial No. 147,035
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

151,752
DESIGN FOR A HANDBAG
Charles Feigl, New York, N. Y.
Application June 17, 1948, Serial No. 147,036
Term of patent 7 years
(Cl. D87—3)



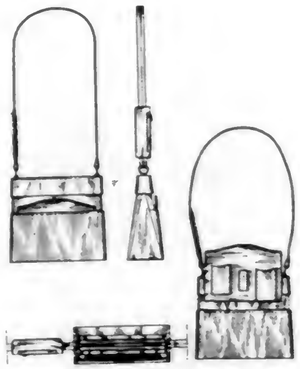
The ornamental design for a handbag, substantially as shown and described.

151,753
DESIGN FOR A COMB
John Frickel, Greenwich, Conn., assignor to Vulcanized Rubber and Plastics Company (Incorporated), New York, N. Y., a corporation of New York
Application March 25, 1947, Serial No. 137,870
Term of patent 7 years
(Cl. D86—8)



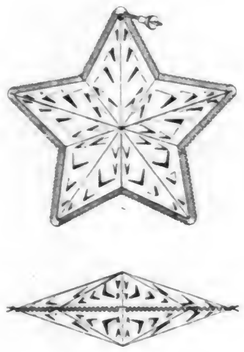
The ornamental design for a comb, as shown and described.

151,754
DESIGN FOR A HANDBAG
Joseph L. Friedman, New York, N. Y.
Application April 7, 1948, Serial No. 145,571
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown.

151,755
DESIGN FOR A CHRISTMAS ORNAMENT
Eugene B. Glunz and Matthew D. Offen, Fresno, Calif.
Application January 9, 1948, Serial No. 143,606
Term of patent 14 years
(Cl. D29—1)



The ornamental design for a Christmas ornament, as shown.

151,756
DESIGN FOR A DECORATIVE SCARF OR THE LIKE
Sally Goldenstein, Brooklyn, N. Y.
Application November 26, 1947, Serial No. 142,813
Term of patent 3½ years
(Cl. D3—12)



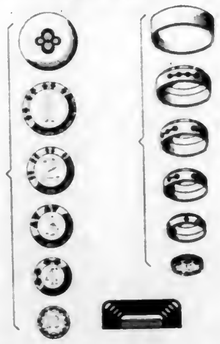
The ornamental design for a decorative scarf or the like, substantially as shown.

151,757
DESIGN FOR A COMBINED EJECTOR PUMP AND STRAINER BASE PLATE
Walter B. Harris, Southold, N. Y.
Application August 13, 1946, Serial No. 132,476
Term of patent 7 years
(Cl. D65—1)



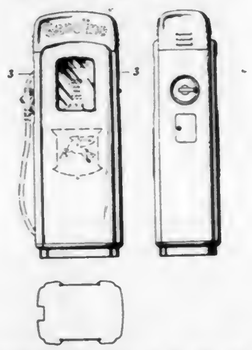
The ornamental design for a combined ejector pump and strainer base plate, as shown.

151,758
DESIGN FOR A GAME PIECE SET
Roy R. Hart, San Jose, Calif.
Application May 6, 1947, Serial No. 138,836
Term of patent 3½ years
(Cl. D34—5)



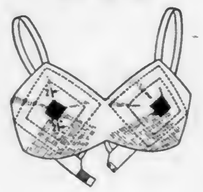
The ornamental design for a game piece set, as shown.

151,759
DESIGN FOR A CASING FOR SERVICE STATION DISPENSING APPARATUS
Arthur Paul Hoppe, Salisbury, Md.
Application November 14, 1946, Serial No. 134,793
Term of patent 14 years
(Cl. D52—2)



The ornamental design for a casing for service station dispensing apparatus, as shown and described.

151,760
DESIGN FOR A BRASSIÈRE
Lillian Hunau, Brooklyn, N. Y.
Application November 21, 1946, Serial No. 134,974
Term of patent 14 years
(Cl. D20—4)

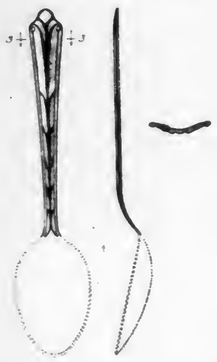


151,760—Continued



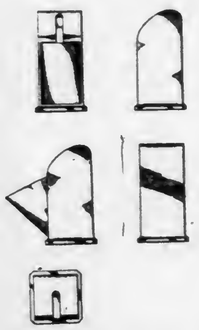
The ornamental design for a brassière, as shown and described.

151,761
DESIGN FOR A SPOON OR SIMILAR ARTICLE
James L. Hvale, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application February 18, 1948, Serial No. 144,588
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article, as shown and described.

151,762
DESIGN FOR A TOILET BOWL BRUSH RECEPTACLE
Mike Karagozian, Los Angeles, Calif.
Application August 25, 1947, Serial No. 141,064
Term of patent 7 years
(Cl. D9—2)



The ornamental design for a toilet bowl brush receptacle, as shown.

151,763
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 29, 1948, Serial No. 146,688
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,764
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 19, 1948, Serial No. 147,065
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,765
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 19, 1948, Serial No. 147,066
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,766
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 25, 1948, Serial No. 147,196
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

151,767
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. N. Y., a corporation of New York
Application June 29, 1948, Serial No. 147,268
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,768
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 29, 1948, Serial No. 147,269
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,769
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 29, 1948, Serial No. 147,270
Term of patent 7 years
(Cl. D45—19)



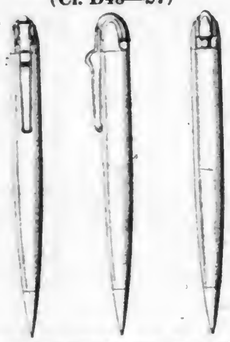
The ornamental design for a brooch or similar article, substantially as shown.

151,770
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,594
Term of patent 7 years
(Cl. D45—16)



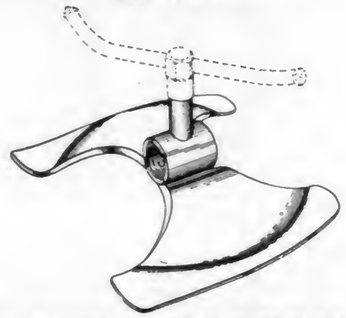
The ornamental design for a necklace or similar article, substantially as shown and described.

151,771
DESIGN FOR A COMBINED LIGHTER AND WRITING IMPLEMENT OR SIMILAR ARTICLE
Frederick Kaupmann, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application June 7, 1947, Serial No. 139,515
Term of patent 14 years
(Cl. D48—27)



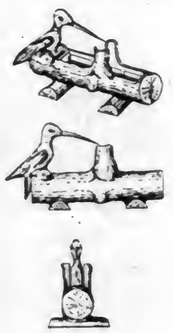
The ornamental design for a combined lighter and writing implement or similar article, substantially as shown.

151,772
DESIGN FOR A WATER SPRINKLER
Charles B. Kemp, Detroit, Mich.
Application October 26, 1946, Serial No. 134,283
Term of patent 7 years
(Cl. D91—1)



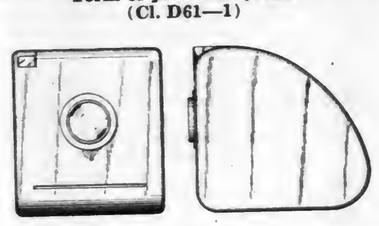
The ornamental design for a water sprinkler, substantially as shown and described.

151,773
DESIGN FOR A TOOTHPICK DISPENSER
Charles Koenig, Dayton, Ohio
Application January 24, 1947, Serial No. 136,365
Term of patent 7 years
(Cl. D52—1)



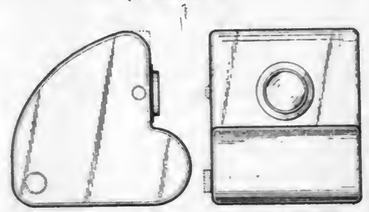
The ornamental design for a tooth pick dispenser, as shown.

151,774
DESIGN FOR A PHOTOGRAPHIC CAMERA
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 14, 1946, Serial No. 135,519
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a photographic camera, substantially as shown.

151,775
DESIGN FOR A CAMERA OR SIMILAR ARTICLE
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 16, 1946, Serial No. 135,552
Term of patent 14 years
(Cl. D61—1)



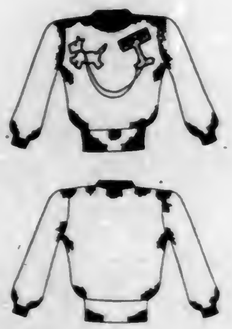
The ornamental design for a camera or similar article, substantially as shown and described.

151,776
DESIGN FOR A SWEATER
Samuel Levine, New York, N. Y.
Application July 24, 1947, Serial No. 140,484
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater, substantially as shown.

151,777
DESIGN FOR A SWEATER
Samuel Levine, New York, N. Y.
Application September 2, 1947, Serial No. 141,164
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater, substantially as shown.

151,778
DESIGN FOR A TELEPHONE STAND
George A. Levis, Williamsport, Pa.
Application September 22, 1947, Serial No. 141,534
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a telephone stand, as shown.

151,779
DESIGN FOR A BEVERAGE DISPENSER
Charles William Lloyd, Brooklyn, N. Y., assignor to Dispensers, Inc., Brooklyn, N. Y., a corporation of New York
Application January 17, 1947, Serial No. 136,208
Term of patent 14 years
(Cl. D2—3)



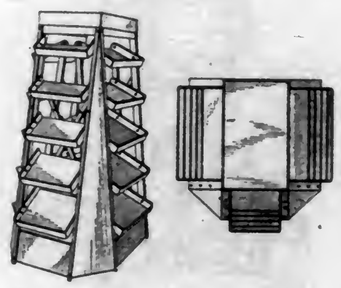
The ornamental design for a beverage dispenser, substantially as shown.

151,780
DESIGN FOR A TABLE
Stanley Low, New York, N. Y., assignor to D. F. H. Novelty Furniture Co., Inc., a corporation of New York
Application May 28, 1948, Serial No. 146,657
Term of patent 7 years
(Cl. D33—14)



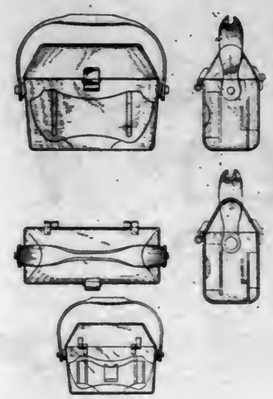
The ornamental design for a table, substantially as shown.

151,781
DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE
Laurence B. Morrison, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application March 25, 1947, Serial No. 137,869
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a display stand or similar article, as shown.

151,782
DESIGN FOR A HANDBAG
Carolyn N. Munn, New York, N. Y.
Application July 3, 1947, Serial No. 140,081
Term of patent 14 years
(Cl. D87—3)



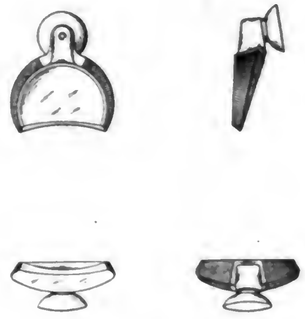
The ornamental design for a handbag, substantially as shown.

151,783
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 15, 1948, Serial No. 147,580
Term of patent 7 years
(Cl. D45—16)



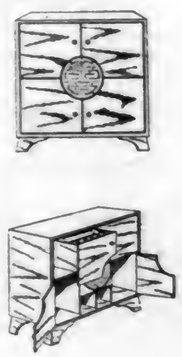
The ornamental design for a necklace or similar article, substantially as shown and described.

151,784
DESIGN FOR A TRAFFIC SIGNAL OBSERVATION LENS
Howard C. Riemann, West Allis, Wis., assignor to The Fulton Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 8, 1947, Serial No. 141,250
Term of patent 14 years
(Cl. D14—6)



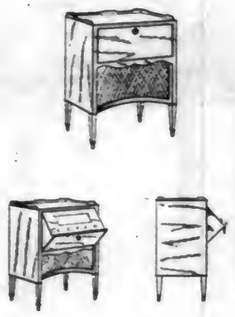
The ornamental design for a traffic signal observation lens, substantially as shown.

151,785
DESIGN FOR A RADIO CABINET
Wallace Schier, Forest Hills, and David L. Doggett, Mount Kisco, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 11, 1947, Serial No. 136,078
Term of patent 3½ years
(Cl. D56—4)



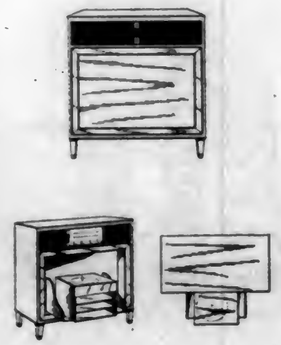
The ornamental design for a radio cabinet, substantially as shown and described.

151,786
DESIGN FOR A RADIO RECEIVER CABINET
Wallace Schier, Forest Hills, and David L. Doggett, Mount Kisco, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 11, 1947, Serial No. 136,079
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a radio receiver cabinet, substantially as shown and described.

151,787
DESIGN FOR A CONSOLE CABINET FOR RADIO-PHONOGRAPH COMBINATION
Wallace Schier, Forest Hills, and David L. Doggett, Mount Kisco, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 11, 1947, Serial No. 136,081
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a console cabinet for radio-phonograph combination, substantially as shown and described.

151,788
DESIGN FOR A CHAIR
Harry Sebel, London, England
Application May 13, 1946, Serial No. 129,684
In Great Britain January 28, 1946
Term of patent 14 years
(Cl. D15—1)



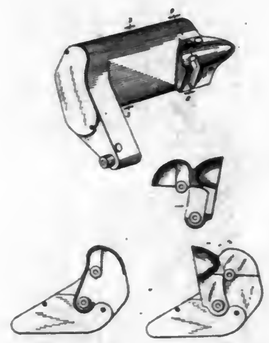
The ornamental design for a chair, as shown.

151,789
DESIGN FOR A TOE RING
Joseph Shapiro, New York, N. Y., assignor to Joseph Shapiro and Abraham Gluck, doing business as Eto Ring Co.
Application December 30, 1947, Serial No. 143,440
Term of patent 14 years
(Cl. D45—10)



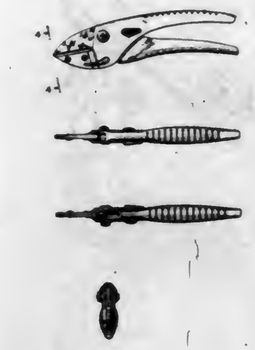
The ornamental design for a toe ring, substantially as shown.

151,790
DESIGN FOR A RUFFLER ATTACHMENT HOUSING FOR SEWING MACHINES
Victor J. Sigoda, Great Neck, N. Y., assignor to Man-Sew Corporation, New York, N. Y., a corporation of New York
Application April 10, 1947, Serial No. 138,291
Term of patent 14 years
(Cl. D70—2)



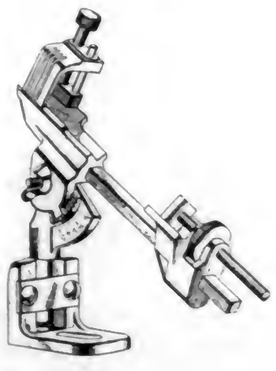
The ornamental design for a ruffler attachment housing for sewing machines, substantially as shown.

151,791
DESIGN FOR PRUNING SHEARS
Justin L. Smith, Watertown, Conn., assignor to Seymour Smith & Son, Inc., Oakville, Conn., a corporation of Connecticut
Application September 2, 1947, Serial No. 141,155
Term of patent 14 years
(Cl. D22—5)



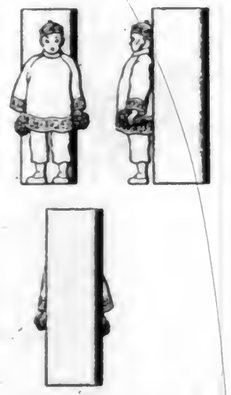
The ornamental design for pruning shears, as shown.

151,792
DESIGN FOR A DRILL SHARPENER
Roger P. Smith, Madison, Conn., assignor to General Hardware Mfg. Co. Inc., New York, N. Y., a corporation of New York
Application October 8, 1946, Serial No. 133,821
Term of patent 14 years
(Cl. D37—1)



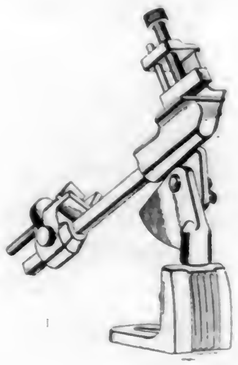
The ornamental design for a drill sharpener, substantially as shown.

151,793
DESIGN FOR A VASE
George A. Sparks and Allan C. Cunningham, Los Angeles, Calif.
Application October 25, 1946, Serial No. 134,233
Term of patent 3½ years
(Cl. D27—28)



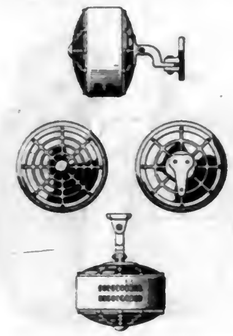
The ornamental design for a vase, as shown.

151,794
DESIGN FOR A VASE
George A. Sparks and Allan C. Cunningham, Los Angeles, Calif.
Application October 25, 1946, Serial No. 134,234
Term of patent 3½ years
(Cl. D29—28)



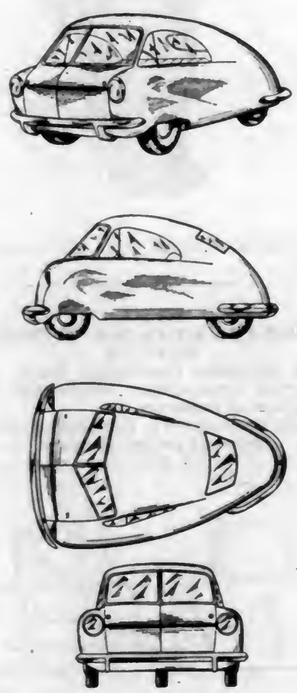
The ornamental design for a vase, as shown.

151,795
DESIGN FOR A SPEAKER CASE
Lester G. Stine, Harrisburg, Pa.
Application November 14, 1947, Serial No. 142,527
Term of patent 14 years
(Cl. D26—14)



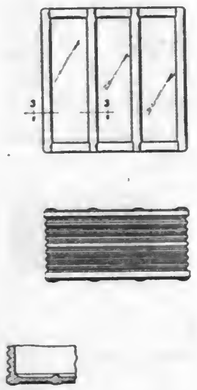
The ornamental design for a speaker case, as shown.

151,796
DESIGN FOR AN AUTOMOBILE
George C. Sullivan, Hollywood, Calif.
Application February 10, 1947, Serial No. 136,808
Term of patent 14 years
(Cl. D14—3)



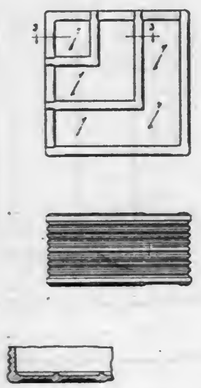
The ornamental design for an automobile, substantially as shown.

151,797
DESIGN FOR A HOLLOW GLASS BUILDING BLOCK
John H. Sutter, Norcross, Ga., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 15, 1947, Serial No. 141,922
Term of patent 3½ years
(Cl. D18—2)



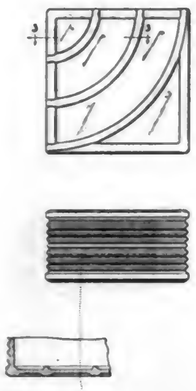
The ornamental design for a hollow glass building block, substantially as shown and described.

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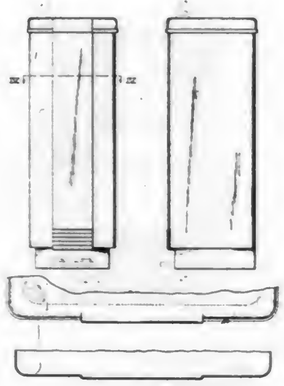
The ornamental design for a hollow glass building block, substantially as shown and described.

151,799
DESIGN FOR A HOLLOW GLASS BUILDING BLOCK
John H. Sutter, Norcross, Ga., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 15, 1947, Serial No. 141,924
Term of patent 3½ years
(Cl. D18—2)



The ornamental design for a hollow glass building block, substantially as shown and described.

151,800
DESIGN FOR A DRINKING FOUNTAIN OR SIMILAR ARTICLE
Robert H. Tull, Springfield, Mass., assignor to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application November 30, 1946, Serial No. 135,194
Term of patent 14 years
(Cl. D67—4)



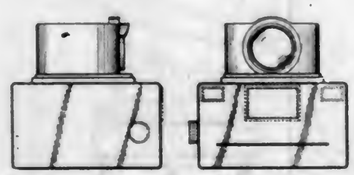
The ornamental design for a drinking fountain or similar article, substantially as shown and described.

151,801
DESIGN FOR A TOY ANIMAL FIGURE
Amy von Erdberg, Boston, Mass.
Application October 18, 1947, Serial No. 142,001
Term of patent 14 years
(Cl. D34—2)



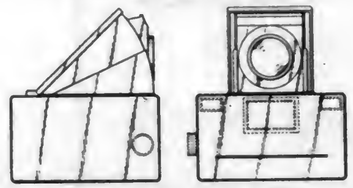
The ornamental design for a toy animal figure, as shown.

151,802
DESIGN FOR A CAMERA OR SIMILAR ARTICLE
Sidney B. Whittier, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 14, 1946, Serial No. 135,517
Term of patent 14 years
(Cl. D61—1)



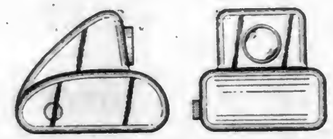
The ornamental design for a camera or similar article, substantially as shown and described.

151,803
DESIGN FOR A CAMERA OR SIMILAR ARTICLE
Sidney B. Whittier, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 16, 1946, Serial No. 135,549
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a camera or similar article, substantially as shown and described.

151,804
DESIGN FOR A CAMERA OR SIMILAR ARTICLE
Otto E. Wolff, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 16, 1946, Serial No. 135,553
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a camera or similar article, substantially as shown and described.

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Department of the Treasury
Bureau of Customs
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U. S. GOVERNMENT PRINTING OFFICE: 1948

November 23, 1948 Volume 616 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Patents expiring: Patent Numbers 1,832,843 to 1,833,886, inclusive, issued November 24, 1931, expire November 24, 1948

Condition of Applications Under Examination at Close of Business Nov. 5, 1948

Total number of patent applications awaiting action, 153,406. Date of oldest new application, October 28, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	6-3-47	5-12-47	2762
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	2-10-47	10-3-46	2020
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	2-7-48	2-6-48	1346
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	3-31-47	2-6-47	4157
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	5-29-47	12-5-46	1712
6. SURLE, H., Carbon Chemistry (part)	11-26-47	10-21-47	1770
7. HANLIN, GEORGE, Optics; Photographic Apparatus	2-9-48	11-5-47	1597
8. LEWIS, R. O., (Acting), Furniture; Racks and Cabinets	2-28-47	11-4-46	4410
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-9-47	2-6-47	2423
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	2-12-48	12-12-47	1853
11. BENHAM, E. V., Boots, Shoes, and Leggings, Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	1-24-48	2-19-48	810
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	11-17-47	9-26-46	2289
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	11-8-46	11-14-46	2414
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	1-26-48	11-4-47	1345
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	7-22-47	5-23-47	2099
16. LOVEWELL, N. N., Television; Telephony	1-7-48	8-15-47	1510
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	5-6-47	10-25-46	2079
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	7-15-47	9-14-46	2044
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-26-47	2-3-47	1689
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	4-7-47	1-20-47	2046
21. MADER, R. C., Textiles	12-4-47	9-11-47	1298
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	11-14-47	1-3-47	1534
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	11-7-47	12-13-46	1163
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	10-10-47	9-9-47	2631
25. BLAKELY, C. F., Classifying Solids: Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	2-6-48	2-27-47	1746
26. YOUNG, R. R., Electricity—Generation and Motive Power	2-12-48	3-7-47	1163
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	7-18-47	1-16-47	3502
28. BRAUNER, R. H. (Acting), Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Railway Wheels and Axles.	11-20-47	10-23-47	973
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	3-28-47	3-24-47	3199
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	2-4-48	11-12-47	1539
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	2-24-48	2-24-48	2128
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	4-22-47	11-5-46	3215
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	3-7-47	11-21-46	2577
34. SAPERSTEIN, S., Electricity—Transmission of Vehicles; Railways; Track Sanders; Signals and Indicators	5-2-47	1-2-47	1467
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	6-16-47	12-3-46	3394
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-47	10-16-46	2006
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	2-9-48	3-21-47	1330
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	9-9-47	7-15-47	1699
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	5-15-47	9-18-46	3045
40. DRUMMOND, E. J., Receptacles (part); Packages	1-2-48	1-10-47	3262
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-7-48	11-8-46	2284
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	3-4-48	2-11-48	1208
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	10-25-47	10-23-47	1250
44. HARVEY, L. P., Refrigeration; Preserving	10-28-46	9-27-46	1119
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances; Vehicle Fenders.	4-18-47	10-21-46	2550
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-25-47	11-26-46	1818

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,406. Date of oldest new application, October 28, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	1-16-48	8-1-47	2155
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	2-7-48	6-2-47	1468
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	10-22-47	8-30-47	1560
50. LEVIN, SAMUEL, Synthetic Resins	2-17-48	11-14-47	2188
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	2-2-48	9-5-47	1770
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	11-17-47	1-7-47	3861
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	5-23-47	10-14-46	3567
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	2-9-48	7-18-47	1664
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	10-31-47	11-4-47	1873
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Heating and Illuminating Gas	2-4-48	11-26-47	959
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	5-23-47	1-23-47	3580
58. DOWELL, E. F., Abrading; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	3-11-47	2135
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	10-8-47	5-28-47	2053
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	3-1-48	7-24-47	1349
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	1-4-47	8-27-46	3756
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	6-14-47	10-26-46	1812
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	1-2-48	9-13-47	1269
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous	4-5-48	4-5-48	1535
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	2-9-48	7-25-47	2204
66. LISANN, L., Geometrical Instruments	8-11-47	4-16-46	2037
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	10-6-47	5-14-47	1976
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	3-18-48	9-8-47	1484
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	7-30-47	1-16-47	2045
DESIGNS: BREHM, G. L.	3-25-47	2-28-48	7446

Total number of trade-mark applications awaiting action (including renewals and republications), 38,602. Date of oldest new application, Sept. 15, 1947; date of oldest amended application, Mar. 27, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	1-11-48	6-10-48	3054
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	10-15-47	5-3-48	5672
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-2-47	6-1-48	4936
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-23-47	4-1-48	4402
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	10-10-47	4-21-48	3524
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	12-31-47	8-18-48	3249
7. KEYS, O. M., Classes 16, 19, 55	9-15-47	3-27-48	2224
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	10-1-48 / 11-17-47	10-12-48 / 10-10-48	76 / 11465

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A & R Co., Omaha, Nebr. Press plates used in dry cleaning and clothing manufacturing. Serial No. 523,448, Nov. 23. Class 24.

Abletsam Manufacturing Company Limited, The, London, Eng. Perfumes, face powder, bath salts, etc. Serial No. 520,246, Nov. 23. Class 6.

Ada Milling Company, Ada, Okla. Dairy feed. Serial No. 534,223, Nov. 23. Class 46.

Alida Company: *See*—
Allen, Alida V.

Allen, Alida V., doing business under the name and style of Alida Company, Jamaica, N. Y. Ladies' hand and shoulder bags. Serial No. 556,517, Nov. 23. Class 3.

Allen, W. B., Yuma, Ariz. Fresh melons. Serial No. 530,358, Nov. 23. Class 46.

American Chemical Paint Company, Ambler, Pa. Acid emulsion. Serial No. 535,114, Nov. 23. Class 6.

American Chewing Products Corp., Newark, N. J. Chewing gum. Serial Nos. 539,472–3, Nov. 23. Class 46.

American Fixture and Manufacturing Co., St. Louis, Mo. Mannequins and display forms. Serial No. 536,897, Nov. 23. Class 50.

American Gas Association, Inc., New York, N. Y. Heating appliances. Serial No. 536,864, Nov. 23. Class 34.

American Home Foods, Inc., New York and Rochester, N. Y., assignor to Chef Boy-Ar-Dee Quality Foods, Inc., Milton, Pa., now by change of name American Home Foods, Inc. Specially prepared packaged vegetables, apple sauce, fruits, etc. Serial No. 538,223, Nov. 23. Class 46.

American Laboratories Incorporated, Richmond, Va. Petrolatum. Serial No. 539,379, Nov. 23. Class 6.

American Luggage Works, Inc., Providence, R. I. Trunks and hand luggage. Serial No. 513,371, Nov. 23. Class 3.

Angier Corporation, Framingham, Mass. Strand reinforced, multi-ply building paper. Serial No. 531,285, Nov. 23. Class 12.

Arizona Food Products, Inc., Tucson, Ariz. Potato chips. Serial No. 532,545, Nov. 23. Class 46.

Arkansas Rice Growers Cooperative Association, Stuttgart, Ark. Rice. Serial No. 515,151, Nov. 23. Class 46.

Armour and Company, Chicago, Ill. Vegetable shortening and mixed vegetable and animal shortening. Serial No. 532,197, Nov. 23. Class 46.

Arnold, Constable & Co., Inc., New York, N. Y. Men's and boys' apparel. Serial No. 535,784, Nov. 23. Class 39.

Arranbee Doll Co., New York, N. Y Dolls. Serial No. 521,051, Nov. 23. Class 22.

Asbestos Manufacturing Company, Huntington, Ind. Asbestos brake lining. Serial No. 545,325, Nov. 23. Class 35.

Ashland Rubber Products Corporation, The, Ashland, Ohio. Rubber toy balloons. Serial No. 543,870, Nov. 23. Class 22.

Baker Paint & Varnish Co., Jersey City, N. J. Putty. Serial No. 536,335, Nov. 23. Class 12.

Beaunit Mills, Inc., New York, N. Y. Fabrics in the piece of rayon fibres. Serial No. 519,049, Nov. 23. Class 42.

Beautytime Radio Service Company, Los Angeles, Calif. Radio receiving sets. Serial No. 534,593, Nov. 23. Class 21.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. Serial No. 523,643, Nov. 23. Class 4.

Belize Estate & Produce Company, Limited, The, London, England. Sawn timber. Serial No. 537,656, Nov. 23. Class 12.

Blue Ridge Quarries, Inc., Slatington, Pa. Roofing slates and structural slate. Serial No. 520,319, Nov. 23. Class 12.

Bode, Joe C., Jr., doing business as Manson Distributors, Aurora, Ill. Preparation in stick form to prevent fogging and formation of ice. Serial No. 530,717, Nov. 23. Class 4.

Boland Mfg. Co., Chicago, Ill. Shower bath curtains. Serial No. 521,240, Nov. 23. Class 42.

Boughton, Nolan E., doing business as The Caddy-Roll Company, Three Rivers, Mich. Carts for golf bags. Serial No. 507,568, Nov. 23. Class 22.

Bradford Dyeing Association, (U. S. A.), Westerly, R. I. Piece goods of rayon and wool, etc. Serial No. 507,965, Nov. 23. Class 42.

Brandywine Mushroom Corporation, West Chester, Pa. Canned mushrooms. Serial No. 537,409, Nov. 23. Class 46.

Branick Manufacturing Company, Incorporated, Fargo, N. C. Tire tools and tire handling apparatus. Serial No. 529,585, Nov. 23. Class 23.

Brawley, T. R., Felt Company, Inc., Brooklyn, N. Y. Wicks for feeding oil to motor bearings, fans and kindred uses. Serial No. 547,695, Nov. 23. Class 34.

Bryan, William T., doing business as V-Ring Hosiery Co., Philadelphia, Pa. Ladies' hosiery. Serial No. 531,194, Nov. 23. Class 39.

Burlington Mills Corporation, Greensboro, N. C. Bedspreads, upholstery and slipcover fabrics, nylon curtain panels, etc. Serial No. 546,358, Nov. 23. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Fabrics of cotton, linen, silk, etc. Serial Nos. 547,825–9, Nov. 23. Class 42.

Butler Trading Company, Inc., Wenatchee, Wash. Fresh deciduous fruits. Serial No. 526,198, Nov. 23. Class 46.

Byford, D., & Co., Limited, Leicester, England. Stockings, socks, and three-quarter hose. Serial No. 507,104, Nov. 23. Class 39.

Caddy-Roll Company, The: *See*—
Boughton, Nolan E.

Calderon, Julio G., Marysville, Calif. Preparation for the treatment of corns, callouses, athletes foot, etc. Serial No. 520,378, Nov. 23. Class 6.

Cameo Curtains Inc., New York, N. Y. Window curtains. Serial No. 547,513, Nov. 23. Class 42.

Carmel Brothers, New York, N. Y. Ladies' cloaks, coats, and suits. Serial No. 512,487, Nov. 23. Class 39.

Carrollton Manufacturing Company, Carrollton, Ohio. Stainless steel cooking utensils. Serial No. 533,537, Nov. 23. Class 13.

Central Electric Manufacturing Company, Boulder, Colo. Electrical machines for soldering and spot welding. Serial Nos. 525,540–3, Nov. 23. Class 21.

Cereal Soaps Company, Inc., New York, N. Y. Tar medicated shampoo soap. Serial No. 543,779, Nov. 23. Class 4.

Chalhall Company, The: *See*—
Hall, Chalmers G., Jr.

Chattanooga Medicine Company, The, Chattanooga, Tenn. External rub for relieving congestion due to colds. Serial No. 517,830, Nov. 23. Class 6.

Chef Boy-Ar-Dee Quality Foods, Inc.: *See*—
American Home Foods, Inc.

Chicago Belting Company, Chicago, Ill. Leather belting. Serial No. 538,607, Nov. 23. Class 35.

Church & Dwight Co., Inc., New York, N. Y. Baking soda (bicarbonate of soda) and baking powder. Serial No. 526,762, Nov. 23. Class 46.

Clark Equipment Company, Buchanan, Mich. Drills, reamers, drill sockets, etc. Serial No. 528,989, Nov. 23. Class 23.

Cleveland Mfg. Co.: *See*—
Ransom, Ellsworth.

Coastal Trading Company, Seattle, Wash. Canned salmon. Serial No. 507,108, Nov. 23. Class 46.

Cohan & Roth, Incorporated, New York, N. Y. Neckties, cravats, and scarfs. Serial No. 507,376, Nov. 23. Class 39.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Shave soap. Serial No. 551,610, Nov. 23. Class 4.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Carbon paper and typewriter ribbons. Serial No. 540,174, Nov. 23. Class 11.

Compania Swift de Montevideo, S. A., Montevideo, Uruguay. Absorbents, alteratives, analgesic preparations, etc. Serial No. 559,907, Nov. 23. Class 6.

Core, John C., Jr., Huntington, W. Va. Exercise bar. Serial No. 540,043, Nov. 23. Class 22.

Cosmet Company, Minneapolis, Minn. Liquid coating for glass and lens surfaces. Serial No. 551,090, Nov. 23. Class 4.

Crafts Center: *See*—
Shanes, Harry B.

Crompton Company, Crompton, R. I. Fabrics in the piece. Serial No. 543,116, Nov. 23. Class 42.

Crown Cork & Seal Company, Inc., Baltimore, Md. Machinery for conveying containers and for filling, capping, and agitating such containers, etc. Serial No. 542,997, Nov. 23. Class 23.

Crown Cork & Seal Company, Inc., Baltimore, Md. Machines for filling and capping containers, etc. Serial No. 542,998, Nov. 23. Class 23.

Cucamonga Valley Wine Company: *See*—
Vai, Giovanni.

Cudahy Packing Company, The, Chicago, Ill. Soap in shredded form. Serial No. 534,514, Nov. 23. Class 4.

Cudahy Packing Company, The, Chicago, Ill. Concentrated liquid soap. Serial No. 558,353, Nov. 23. Class 4.

Cudahy Packing Company, The, Chicago, Ill. Combination of alkalis for use in mechanical dishwashing machinery. Serial No. 558,360, Nov. 23. Class 4.

Cudahy Packing Company, The, Chicago, Ill. Cleaner for metal surfaces. Serial No. 558,363, Nov. 23. Class 4.

Cutler-Hammer, Inc., Milwaukee, Wis. Electronic motor control equipment. Serial No. 519,060, Nov. 23. Class 21.

Dairy State Foods, Inc., Milwaukee, Wis. Animal crackers and cookies. Serial No. 539,137, Nov. 23. Class 46.

De Markoff, Alexandra, Inc., New York, N. Y. Facial preparations. Serial No. 540,845, Nov. 23. Class 6.

Dill Manufacturing Company, The, Cleveland, Ohio. Oiling device. Serial No. 526,664, Nov. 23. Class 2.

Donnelly, Elliott, assignee: *See*—
Douglass, Leon F., Jr.

Douglass, Leon F., Jr., assignee of E. Donnelly, doing business as Scale-Craft & Co., Hollywood, Calif. Sets of parts for models of locomotives and railway cars. Serial No. 499,053, Nov. 23. Class 22.

Editorial Sigmar, Buenos Aires, Argentina. Periodicals and printed books for children. Serial No. 512,734, Nov. 23. Class 38.

Eisenstadt Manufacturing Company, St. Louis, Mo. Unfilled compacts of base metal. Serial No. 493,540, Nov. 23. Class 2.

Electric Controller & Manufacturing Company, The, Cleveland, Ohio. Electric controllers. Serial No. 538,257, Nov. 23. Class 21.

Endicott Johnson Corporation, Endicott, N. Y. Shoes. Serial No. 530,406, Nov. 23. Class 39.

Engineered Products, Inc., Denver, Colo. Abrasive compositions. Serial No. 559,095, Nov. 23. Class 4.

Enjay Company, Inc., Wilmington, Del., and New York, N. Y. Chemical ingredient. Serial No. 545,108, Nov. 23. Class 6.

Enterprise Publishing Company, Brockton, Mass. Daily newspaper. Serial No. 537,670, Nov. 23. Class 38.

Erickson Steel Company, Cleveland, Ohio. Electron tube circuit audio amplifier cabinet sets and parts thereof. Serial No. 518,943, Nov. 23. Class 21.

Euclid Novelty Company: *See*—
Johnston, Dewey S.

Ever-Lasting Products Co.: *See*—
Hartmann-Malcolm Co.

Exhibit Supply Company, Chicago, Ill. Coin-controlled ball rolling game. Serial No. 529,248, Nov. 23. Class 22.

Exhibit Supply Company, Chicago, Ill. Coin-controlled ball rolling game. Serial No. 529,250, Nov. 23. Class 22.

Ex-Dus-It: *See*—
Upstill, Verla.

Farm & Home Machinery Co., Orlando, Fla. General agricultural implements. Serial No. 504,068, Nov. 23. Class 23.

Farmers' Museum, Inc., The, Cooperstown, N. Y. Animal figures. Serial No. 533,872, Nov. 23. Class 50.

Fawcett, Hughes, Inc., New York, N. Y. Shoe laces. Serial No. 555,100, Nov. 23. Class 40.

Florasynth Laboratories, Incorporated, New York, N. Y. Flavorings. Serial No. 504,169, Nov. 23. Class 46.

Fort Howard Paper Company, Green Bay, Wis. Paper napkins. Serial No. 543,163, Nov. 23. Class 37.

Friel, S. E. W., Queenstown, Md. Canned corn, canned tomato juice. Serial No. 543,913, Nov. 23. Class 46.

Fritzsche Brothers, Inc., New York, N. Y. Rose perfume base. Serial No. 529,888, Nov. 23. Class 6.

Frixon, Paul, Paris, France. Disinfectants and veterinary medicines and preparations. Serial No. 511,272, Nov. 23. Class 6.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Wheat flour. Serial No. 539,041, Nov. 23. Class 46.

General Water Heater Corporation, Burbank, Calif. Gas-heated hot-water systems and hot-water heaters. Serial No. 532,217, Nov. 23. Class 34.

Gillet, Martin & Co. Inc., Baltimore, Md. Tea, coffee, mayonnaise, etc. Serial No. 539,150, Nov. 23. Class 46.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. Serial No. 509,768, Nov. 23. Class 23.

Giroux Company, Inc., New York, N. Y. Worcestershire sauce. Serial No. 555,866, Nov. 23. Class 46.

Gisler, Max, doing business as The Lubricosos Specialties Mfg. Co., Houston, Tex. Valve greases. Serial No. 513,408, Nov. 23. Class 15.

Glendale Toiletries, Inc., Chicago, Ill. Cologne, hand lotion, cologne deodorant, etc. Serial No. 548,959, Nov. 23. Class 6.

Goldfarb, Joseph, Estate of, assignee: *See*—
Goldfarb, Minnie.

Goldfarb, Minnie, administratrix of the Estate of J. Goldfarb, assignor to Onyx Blouse Co., Inc., New York, N. Y. Boys' and girls' outer blouses, shirts, and sport polo shirts. Serial No. 515,619, Nov. 23. Class 39.

Goodall-Sanford, Inc., Sanford, Maine. Piece goods of cotton, mohair and rayon. Serial No. 548,814, Nov. 23. Class 42.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires and inner tubes therefor, inner tube repair kits, etc. Serial No. 543,292, Nov. 23. Class 35.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires and inner tubes therefor, rubber hose and rubber belts and belting. Serial No. 554,663, Nov. 23. Class 35.

Gordon, Wolf, Cowen Co., Inc., New York, N. Y. Sweetmeat. Serial No. 528,460, Nov. 23. Class 46.

Grant, Robert Y., Inc., Fitchburg, Mass. Toy whistles. Serial No. 538,122, Nov. 23. Class 22.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Ice cream. Serial No. 538,634, Nov. 23. Class 46.

Guerlain Perfumery Corporation, The, New York, N. Y. Lip sticks. Serial No. 538,538, Nov. 23. Class 6.

Haas Brothers, San Francisco, Calif. Toilet paper. Serial No. 542,938, Nov. 23. Class 37.

Hall, Chalmers G., Jr., doing business as The Chalhall Company, Washington, D. C. Orthopedic pillow. Serial No. 548,075, Nov. 23. Class 44.

Hanson-Van Winkle-Munning Company, Matawan, N. J., and elsewhere. Composition for cleaning metals. Serial No. 548,366, Nov. 23. Class 4.

Hanson-Van Winkle-Munning Company, Matawan, N. J., and elsewhere. Polishing, brushing, and buffing wheels. Serial No. 548,370, Nov. 23. Class 4.

Hartmann-Malcolm Co., doing business as Ever-Lasting Products Co., Chicago, Ill. Burial caskets. Serial No. 544,264, Nov. 23. Class 2.

Harvey Machine Co., Inc., Los Angeles, Calif. Electrical apparatus. Serial No. 479,123, Nov. 23. Class 21.

Haskell, Charles C., & Co., Inc., Richmond, Va. Medicine in tablet form. Serial No. 543,650, Nov. 23. Class 6.

Haven, M. A., Company, The, Boston, Mass. Greeting cards. Serial No. 542,762, Nov. 23. Class 38.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon page and/or strip. Serial No. 510,250, Nov. 23. Class 38.

Heddon's, James, Sons, Dowagiac, Mich. Fishing rods, fishing reels, artificial casting baits, etc. Serial No. 534,141, Nov. 23. Class 22.

Heddon's, James, Sons, Dowagiac, Mich. Artificial baits. Serial No. 534,143, Nov. 23. Class 22.

Hettrick Manufacturing Company, The, Toledo, Ohio. Tents and awnings. Serial No. 531,126, Nov. 23. Class 50.

Horder's Incorporated, Chicago, Ill. Writing paper and writing pencils. Serial No. 536,524, Nov. 23. Class 37.

House Beautiful Curtains Inc., New York, N. Y. Window curtains, shower curtains, drapes, etc. Serial No. 542,131, Nov. 23. Class 42.

Hudson Valley Rugs Company, New York, N. Y. Window curtains and curtain materials. Serial No. 542,133, Nov. 23. Class 42.

Hughes, Patrick E., doing business as Hughes Pharmacal Co., San Antonio, Tex. Antiseptic emulsion. Serial No. 526,625, Nov. 23. Class 6.

Hughes Pharmacal Co.: *See*—
Hughes, Patrick E.

Hunt, C. Howard, Pen Co., Camden, N. J. Pencil sharpeners. Serial No. 528,719, Nov. 23. Class 23.

Independent Refiners Service Corporation, Wichita, Kans. Motor lubricating oils and greases. Serial No. 535,708, Nov. 23. Class 15.

Insley Manufacturing Corporation, Indianapolis, Ind. Power driven excavating machines. Serial No. 531,125, Nov. 23. Class 23.

International Chemical Workers Union, Akron, Ohio. Chemicals and chemical products. Serial No. 537,044, Nov. 23. Class 6.

Ivers-Lee Company, Newark, N. J. Machinery for handling packaging material and for producing and fabricating packages, etc. Serial No. 530,205, Nov. 23. Class 23.

Johnston, Dewey S., doing business as Euclid Novelty Company, Fort Worth, Tex. Game paddles. Serial No. 521,135, Nov. 23. Class 22.

Jones, Sterling, Laboratories, doing business as R. A. Myers & Company, St. Paul, Minn. Cleaning and scouring compounds. Serial No. 535,645, Nov. 23. Class 4.

Joy Togs, Inc., Greensburg, Pa. Ski suits, shorts, outershirts, etc. Serial No. 531,481, Nov. 23. Class 39.

Kay Gasses Co., Chicago, Ill. Propane, oxygen, hydrogen, etc., Air. Serial No. 492,925, Nov. 23. Class 6.

Keith, Nancy, Candies, Chicago, Ill. Candies. Serial No. 526,651, Nov. 23. Class 46.

Kimball, W. W., Company, Chicago, Ill. Pianos. Serial No. 529,474, Nov. 23. Class 36.

Kirby, Beard & Co. Ltd., Birmingham, England. Pins and hairpins and hand-sewing needles. Serial No. 554,499, Nov. 23. Class 40.

Kraft Foods Company, Chicago, Ill. Cheese. Serial No. 538,293, Nov. 23. Class 46.

Laber Spring and Tire Corporation, Oakland, Calif. Pneumatic tires. Serial No. 540,831, Nov. 23. Class 35.

Lapin Products, Inc., Newark, N. J. Musical instruments. Serial No. 526,259, Nov. 23. Class 36.

Laub's, Geo. Sons, Buffalo, N. Y. Leather. Serial No. 539,884, Nov. 23. Class 1.

Lawrence Portland Cement Company, New York, N. Y., and Siegfried, Pa. Building cement. Serial No. 546,142, Nov. 23. Class 12.

LeLong, Lucien, Inc., Chicago, Ill. Perfumes, colognes, dusting powders, etc. Serial No. 534,156, Nov. 23. Class 6.

Lentheric, Incorporated, New York, N. Y. Vanity case containing rouge. Serial No. 514,049, Nov. 23. Class 6.

Lenzen, Kent A., & Son Co., Inc., Greencastle, Ind. Supplement to livestock and poultry feed. Serial No. 514,662, Nov. 23. Class 6.

Lever Brothers Company: *See*—
Standard Laboratories, Inc.

Lorillard, P., Company, New York, N. Y. Cigarettes. Serial No. 523,397, Nov. 23. Class 17.

Lorillard, P., Company, New York, N. Y. Cigars. Serial No. 525,351, Nov. 23. Class 17.

Lorillard, P., Company, New York, N. Y. Cigars. Serial No. 525,622, Nov. 23. Class 17.

Lubricosos Specialties Mfg. Co., The: *See*—
Gisler, Max.

M. F. C. Corporation, New York, N. Y. Amino acids and combinations thereof. Serial Nos. 543,505–6, Nov. 23. Class 6.

Maher Color and Chemical Company, Chicago, Ill. Chemical compound. Serial No. 518,016, Nov. 23. Class 6.

Malt-A-Plenty, Inc., Tulsa, Okla. Non-alcoholic semi-frozen dairy food beverage. Serial No. 542,405, Nov. 23. Class 46.

Maltine Company, The, New York, N. Y. Ovarian extract. Serial Nos. 547,641–2, Nov. 23. Class 6.

Manson Distributors: *See*—
Bode, Joe C., Jr.

Marcalus Manufacturing Co., Inc., East Paterson, N. J. Paper sandwich bags. Serial No. 506,760, Nov. 23. Class 2.

Mars Signal-Light Company, Chicago, Ill. Electric headlights and signal lamps and rear lights. Serial No. 542,227, Nov. 23. Class 21.

Marshall Field & Company, Chicago, Ill. Knitting yarns. Serial No. 553,838, Nov. 23. Class 43.

McDonald, Wm. P., Corporation, Auburndale, Fla. Canned citrus fruit juices. Serial No. 522,666, Nov. 23. Class 46.

Mem Company, New York, N. Y. Soaps. Serial No. 543,638, Nov. 23. Class 4.

Mercury Battery Charger Co., The, Kansas City, Mo. Electrical welding machine and welding gun therefor. Serial No. 522,875, Nov. 23. Class 21.

Mergenthaler Linotype Company, Brooklyn, N. Y. Matrices. Serial No. 537,471, Nov. 23. Class 50.

Metal Ware Corporation, The, Two Rivers, Wis. Electric percolators, electric toasters, electric sandwich toasters. Serial No. 522,203, Nov. 23. Class 21.

Michigan Mushroom Company, Niles, Mich. Fresh mushrooms, canned mushroom soup, canned asparagus, etc. Serial No. 514,425, Nov. 23. Class 46.

Middlesex Wholesale Grocery Company, Highland Park, N. J. Canned vegetables, canned fruits, and canned cranberry sauce. Serial No. 555,885, Nov. 23. Class 46.

Mid-West Refineries, Inc., Grand Rapids, Mich. Storage batteries. Serial No. 529,909, Nov. 23. Class 21.

Miller Protector Products Co., assignee of Miller Protecto Products Co., Kalamazoo, Mich. Bottled liquid which when sprayed deodorizes and freshens the air. Serial No. 500,891, Nov. 23. Class 6.

Missouri Conference Association of the Seventh Day Adventists, The, doing business as Sunnydale Farm Foods, Kansas City and Centralia, Mo. Prepared canned foods. Serial No. 532,504, Nov. 23. Class 46.

Modern Plastics, Inc., New York, N. Y. Periodical publication. Serial No. 468,463, Nov. 23. Class 38.

Monarch Leather Company, Chicago, Ill. Leather. Serial No. 513,448, Nov. 23. Class 1.

Monarch Machine Tool Company, The, Sidney, Ohio. Lathes and metal turning machines. Serial No. 536,543, Nov. 23. Class 23.

Monarch Marking System Company, The, Dayton, Ohio. Ticket or tag marking and attaching machines. Serial No. 531,696, Nov. 23. Class 23.

Morrison, Beth A., doing business as Morrison's, Aloha, Oreg. Cleaner for copper. Serial No. 518,092, Nov. 23. Class 4.

Morrison's: *See*—
Morrison, Beth A.

Multistamp Company, Inc., The, Norfolk, Va. Stamping or stenciling inks and embossing powders. Serial No. 554,805, Nov. 23. Class 11.

Myers, R. A., & Company: *See*—
Jones, Sterling, Laboratories.

Nabut, Harry, New York, N. Y. Illuminating reflector for an electric lamp. Serial No. 533,190, Nov. 23. Class 21.

National Hillfe Company, New York, N. Y. Ash trays, combination napkin holder and ash tray. Serial No. 515,444, Nov. 23. Class 8.

National Lead Company, Sayreville, N. J., and New York, N. Y. Composition containing a water-dispersable organic salt. Serial No. 546,722, Nov. 23. Class 6.

National Oil Products Co.: *See*—
Nopco Chemical Company.

Nestle Form Company: *See*—
Wolf, Jack.

Noblitt-Sparks Industries, Inc., Columbus, Ind. Radio receiving sets, portable electric room heaters, portable electric grills and waffle bakers, etc. Serial No. 529,810, Nov. 23. Class 21.

Nopco Chemical Company, now by change of name from National Oil Products Co., Harrison, N. J. High potency vitamin-containing solid. Serial No. 518,555, Nov. 23. Class 6.

North State Canning Company Inc., Boone, N. C. Cut green beans, chopped kraut, and shredded kraut. Serial No. 534,177, Nov. 23. Class 46.

Odora Company, Inc., New York, N. Y. Garment bags, cardboard boxes covered with paper, and cardboard boxes covered with quilted fabric. Serial No. 544,457, Nov. 23. Class 2.

Old Vienna Products Company, St. Louis, Mo. Potato chips, cheese chips, criss-cross potatoes, etc. Serial No. 537,723, Nov. 23. Class 46.

Onyx Blouse Co., Inc., assignee: *See*—
Goldfarb, Minnie.

Opinion Research Corporation, Princeton, N. J. Reports published monthly. Serial No. 554,398, Nov. 23. Class 38.

Palmer, Oscar C., doing business as Sno-Fluf Excelsior Manufacturing Company, Phoenix, Ariz. Baled excelsior, excelsior for packing fresh fruit, excelsior for evaporative coolers, etc. Serial No. 528,945, Nov. 23. Class 1.

Panhandle Producing & Refining Company: *See*—
Panhandle Refining Company.

Panhandle Refining Company, Wichita Falls, Tex., assignor to Panhandle Producing & Refining Company. Motor lubricating oils and lubricating greases. Serial No. 503,116, Nov. 23. Class 15.

Pedigree Fabrics, Inc., New York, N. Y. Woven fabric of rayon or nylon, or mixtures thereof. Serial No. 519,093, Nov. 23. Class 42.

Pedigree Fabrics, Inc., New York, N. Y. Woven fabric of rayon or nylon, or mixtures thereof. Serial No. 520,295, Nov. 23. Class 42.

Pedigree Fabrics, Inc., New York, N. Y. Woven fabric of rayon or nylon or mixtures thereof. Serial No. 523,700, Nov. 23. Class 42.

Pepperell Manufacturing Company, Boston, Mass. Sheets, pillowcases, and blankets. Serial No. 548,400, Nov. 23. Class 42.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial No. 543,036, Nov. 23. Class 6.

Phil-Mar Products Company, Cleveland, Ohio. Electric lamp shades. Serial No. 517,741, Nov. 23. Class 21.

Phoenix Ribbon Co.: *See*—
Schlissel, David.

Pickard, Incorporated, Antioch, Ill. Pottery, earthenware, china, and porcelain. Serial No. 529,400–1, Nov. 23. Class 30.

Pincus Brothers, Inc., Philadelphia, Pa. Men's and young men's suits, top coats, slacks, etc. Serial No. 533,248, Nov. 23. Class 39.

Plastic Sheet Fabrication, Inc., New York, N. Y. Heat insulating liners and jackets for pails and buckets. Serial No. 518,365, Nov. 23. Class 2.

Plasticrete Aggregates Corporation, Hamden, Conn. Abrasive mixture. Serial No. 548,016, Nov. 23. Class 4.

Pollack, Max, & Co., Inc., New York, N. Y. Sewing threads. Serial No. 555,612, Nov. 23. Class 43.

Presstite Engineering Company, The, St. Louis, Mo. Sealing compound. Serial No. 527,181, Nov. 23. Class 12.

Pritchett & Gold and E. P. S. Company Limited, Essex, England. Storage batteries and parts thereof. Serial No. 542,653, Nov. 23. Class 21.

Pure Oil Company, The, Chicago, Ill. Radio receiving sets. Serial No. 506,060, Nov. 23. Class 21.

Radium Hand Soap Company, The: *See*—
Romberger, George C.

Ransom, Ellsworth, doing business as Cleveland Mfg. Co., Cleveland, N. Y. Metal sponge. Serial No. 489,679, Nov. 23. Class 4.

Reiter Bros., New York, N. Y. Trouser suspenders, garters, and arm-bands. Serial No. 516,311, Nov. 23. Class 39.

Rock-Tred Corporation, Chicago, Ill. Mastic asphaltic floor coating material. Serial No. 530,568, Nov. 23. Class 12.

Rollins Hosiery Mills, Inc., Des Moines, Iowa. Women's hosiery. Serial No. 536,838, Nov. 23. Class 39.

Roman Meal Company, Tacoma, Wash. Piecrust mix. Serial No. 530,769, Nov. 23. Class 46.

Romberger, George C., doing business as The Radium Hand Soap Company, Seattle, Wash. Hand soap in paste form. Serial No. 522,714, Nov. 23. Class 4.

Rutland Fire Clay Company, Rutland, Vt. Compound including asbestos to be mixed with water to make a plastic stove lining. Serial No. 541,186, Nov. 23. Class 12.

Salant & Salant, Inc., New York, N. Y. Men's and boys' work shirts. Serial No. 529,309, Nov. 23. Class 39.

Scale-Craft & Co.: *See*—
Douglass, Leon F., Jr.

Scher, Samuel, & Son, Inc., New York, N. Y. Piece goods of silk, cotton, and synthetic fibres. Serial No. 507,222, Nov. 23. Class 42.

Scherer, R. P., Corporation, Detroit, Mich. Cleansing and detergent compositions. Serial No. 563,015, Nov. 23. Class 4.

Scherer, R. P., Corporation, Detroit, Mich. Cleansing and detergent compositions. Serial No. 563,016, Nov. 23. Class 4.

Schlissel, David, doing business as Phoenix Ribbon Co., New York, N. Y. Ribbons of cotton, rayon, silk, etc. Serial No. 521,829, Nov. 23. Class 42.

Sea Island Manufacturing Company, Inc., New York, N. Y. Men's and boys' cotton flannel shirts. Serial No. 536,646, Nov. 23. Class 39.

Selchow & Righter Company, Brooklyn, N. Y. Paraphernalia for games of the board and counter, card, pursuit, etc., types. Serial No. 509,884, Nov. 23. Class 22.

Shanes, Harry B., also doing business as Crafts Center, Salisbury, Vt. Packaged outfits. Serial No. 524,628, Nov. 23. Class 50.

Shirley Fabrica Corp., New York, N. Y. Cotton and rayon fabrics in the piece. Serial No. 545,651, Nov. 23. Class 42.

Shriver, B. F., Company, The, Westminster, Md. Canned vegetables. Serial No. 543,997, Nov. 23. Class 46.

Sidney Machine and Tool Company, The, Sidney, Ohio. Lathes, coil winding machines, and variable speed power transmissions. Serial No. 531,728, Nov. 23. Class 23.
Simplex Paper Corporation, Adrian, Mich. Paper and/or board. Serial No. 541,207, Nov. 23. Class 12.
Simplex Wrapping Machine Company, Oakland, Calif. Bag making machines. Serial No. 530,579, Nov. 23. Class 23.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Piece goods of silk, wool, cotton, etc. Serial No. 545,399, Nov. 23. Class 42.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Crepe piece goods of silk, wool, cotton, etc. Serial No. 545,400, Nov. 23. Class 42.
Sno-Fluf Excelsior Manufacturing Company: *See*—
Palmer, Oscar C.
Societe a Responsabilite Limitee: Establissements Rene Barbotin, Paris, France. Hosiery, underwear, dresses, etc. Serial No. 503,949, Nov. 23. Class 39.
Sound Recorder & Reproducer Corporation, Philadelphia, Pa. Magnetic tape reproducers and recorders. Serial No. 528,959, Nov. 23. Class 21.
Southern Heater Corporation, Compton, Calif. Water heaters. Serial No. 532,254, Nov. 23. Class 34.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Shuttlecocks, basketballs, golf clubs, etc. Serial No. 537,628, Nov. 23. Class 22.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, etc. Serial No. 544,217, Nov. 23. Class 22.
Spalding, A. G., & Bros., Inc., Chicopee, Mass. Golf balls, tennis balls, and table tennis balls. Serial No. 544,218, Nov. 23. Class 22.
Spalding, A. G., & Bros., Inc., Chicopee, Mass. Golf balls and table tennis balls. Serial No. 544,219, Nov. 23. Class 22.
Spinnerin Yarn Co., Inc., South Hackensack, N. J. Yarn. Serial No. 544,528, Nov. 23. Class 43.
Springs Cotton Mills, The, Lancaster, S. C. Sheets, pillow cases, table-cloths, etc. Serial No. 546,524, Nov. 23. Class 42.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Shoe dye. Serial No. 542,363, Nov. 23. Class 6.
Standard Laboratories, Inc., New York, N. Y., assignor to Lever Brothers Company, Cambridge, Mass. Chart for instruction in home permanent wave. Serial No. 548,875, Nov. 23. Class 38.
Stanley Works, The, New Britain, Conn. Upward acting garage door hardware. Serial No. 519,990, Nov. 23. Class 13.
Steele, J. W., & Co., North Kansas City, Mo. Garment folding machines. Serial No. 533,075, Nov. 23. Class 24.
Sunnydale Farm Foods: *See*—
Missouri Conference Association of the Seventh Day Adventists, The.
Sunshine Products Company, Seattle, Wash. Deodorant and disinfectant. Serial No. 506,138, Nov. 23. Class 6.
Taber, Earle M., East Orange, N. J. School insignia buttons. Serial No. 512,095, Nov. 23. Class 50.
Table Rock Laboratories, Inc., Greenville, S. C. Preparation for the treatment of essential hypertension, arteriosclerosis, etc. Serial No. 527,428, Nov. 23. Class 6.
Takaki, Ralph N., Honolulu, Territory of Hawaii. Medicine for diarrhea. Serial No. 531,957, Nov. 23. Class 6.
Tetrad Corporation, The, Yonkers, N. Y. Phonograph needles. Serial No. 523,190, Nov. 23. Class 36.
Thew Shovel Company, The, Lorain, Ohio. Power cranes, power shovels, and power dragline. Serial No. 529,210, Nov. 23. Class 23.
Thew Shovel Company, The, Lorain, Ohio. Power cranes and power shovels. Serial No. 529,212, Nov. 23. Class 23.
Thomas & Betts Co., The, Elizabeth, N. J. Electrical conduit fittings. Serial No. 547,053, Nov. 23. Class 21.
Thomas & Betts Co., The, Elizabeth, N. J. Insulating connectors. Serial No. 547,058, Nov. 23. Class 21.
Thomas Co., M. & W., New York, N. Y. Silk, rayon, woolen, etc. Serial Nos. 521,617–18, Nov. 23. Class 42.
Tompkins' Label Service, Philadelphia, Pa. Printed labels. Serial No. 530,594, Nov. 23. Class 38.
Tompkins' Label Service, Philadelphia, Pa. Grease proof printed labels. Serial No. 530,595, Nov. 23. Class 38.
Trav-ler Radio Corporation, Chicago, Ill. Radio receiving sets. Serial Nos. 525,455–6, Nov. 23. Class 21.
Tri-Sulex Corporation, Nashville, Tenn. Heat and sound insulating and protective materials for metals. Serial No. 522,006, Nov. 23. Class 12.
Truzzolino Food Products Co., Butte, Mont. Chicken tamales. Serial No. 502,353, Nov. 23. Class 46.
Tubbs Cordage Company, San Francisco, Calif. Manila lariat rope. Serial No. 553,028, Nov. 23. Class 7.
Turlock Co-Operative Growers, Modesto, Calif. Canned tomatoes and canned tomato paste. 535,103, Nov. 23. Class 46.
Twayne Cosmetic Co., Passaic, N. J. Lipsticks. Serial No. 549,307, Nov. 23. Class 6.
United Cigar-Whelan Stores Corporation, New York, N. Y. Insect repellent. Serial No. 506,275, Nov. 23. Class 6.
United States Quarry Tile Company, Canton and East Sparata, Ohio, and Parkersburg, W. Va. Needles. Serial No. 504,948, Nov. 23. Class 36.
United States Quarry Tile Company, Canton and East Sparata, Ohio, and Parkersburg, W. Va. Needles. Serial No. 504,950, Nov. 23. Class 36.
Upstill, Veria, doing business as Ez-Duz-It, Long Beach, Calif. Crochet frames. Serial No. 555,326, Nov. 23. Class 40.
Val, Giovanni, doing business as Cucamonga Valley Wine Company, Ontario, Calif. Brandy. Serial No. 539,243, Nov. 23. Class 49.
Vamos, Alfred, Inc., New York, N. Y. Piece goods of silk, rayon, cotton, etc., laminated textile fabrics, elastic webbing, etc. Serial No. 525,716, Nov. 23. Class 42.
Van Ameringen-Haebler, Inc., New York, N. Y. Food flavoring extracts. Serial No. 537,376, Nov. 23. Class 46.
Van Dyk, James Co., Inc., Brooklyn, N. Y. Food products. Serial No. 507,046, Nov. 23. Class 46.
Van Hee Brothers Products, Detroit, Mich. Artificial fish baits and artificial fish lures. Serial No. 521,297, Nov. 23. Class 22.
Vermont Marble Company, Proctor, Vt. Marble tile. Serial No. 556,738, Nov. 23. Class 12.
Virginia Maid Hosiery Mills, Inc., Pulaski, Va. Hosiery. Serial No. 536,321, Nov. 23. Class 39.
Vitaminerals, Inc., Los Angeles, Calif. Analgesic balm, anesthetic ointment, astringent preparation, etc. Serial No. 527,724, Nov. 23. Class 6.
Vitamins, Inc., Chicago, Ill. Vitamin preparation. Serial No. 540,946, Nov. 23. Class 6.
Vollrath Co., The, Sheboygan, Wis. Items of enameled base metal ware for hospital, medical, and surgical use, etc. Serial No. 541,233, Nov. 23. Class 44.
V-Ring Hosiery Co.: *See*—
Bryan, William T.
Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation of vitamins. Serial No. 549,683, Nov. 23. Class 6.
Western Auto Supply Company, Kansas City, Mo. Radio receiving sets and radio tubes. Serial No. 485,315, Nov. 23. Class 21.
Western Laundry Press, Salt Lake City, Utah. Laundry presses and dry-cleaning presses. Serial No. 545,569, Nov. 23. Class 24.
Williams-Bowman Rubber Co., The, Cicero, Ill. Plumbing specialties. Serial No. 532,259, Nov. 23. Class 13.
Wintersmith Chemical Company, Louisville, Ky. Vitamized iron. Serial No. 532,787, Nov. 23. Class 6.
Wolf, Jack, doing business as Nestle Form Company, Baltimore, Md. Brassières. Serial No. 548,038, Nov. 23. Class 39.
Young, Emil O., doing business as Young Regulator Company, Cleveland, Ohio. Damper regulators. Serial No. 548,040, Nov. 23. Class 34.
Young Regulator Company: *See*—
Young, Emil O.

LIST OF REGISTRANTS OF TRADE-MARKS

Abdulla & Company Limited, London, England. Tobacco, cigars and cigarettes. 70,157, re-renewed Aug. 4, 1948. O. G. Nov. 23. Class 17.
Acme Glove Corporation, Gloversville, N. Y. Leather gloves. 504,215, Nov. 23; Serial No. 544,630, published Aug. 10, 1948. Class 39.
Acme Steel Company, Chicago, Ill. Bands, stays, open seals, etc. 247,878, renewed Oct. 9, 1948. O. G. Nov. 23. Class 13.
Ades-Lexington Dry Goods Co., Lexington, Ky. Hosiery and cotton knitted underwear. 504,204, Nov. 23; Serial No. 543,047, published Aug. 10, 1948. Class 39.
Advance Glove Manufacturing Company, Detroit, Mich. Cloth work gloves. 504,123, Nov. 23; Serial No. 532,087, published Aug. 10, 1948. Class 39.
Advance Transformer Co., assignor to Advance Transformer Co., by Advance Transformer Co., Chicago, Ill. Fluorescent lamp transformers and fluorescent lamp ballasts. 427,829, Feb. 25, 1947. Republished Nov. 23. Class 21.
Agfa Ansco Corporation, assignee: *See*—
Ansco Photoproducts, Inc.
Akro Agate Company, The, Clarksburg, W. Va. Glass balls. 247,554, renewed Oct. 2, 1948. O. G. Nov. 23. Class 4.
Alaska Consolidated Canneries, Inc., by P. E. Harris & Co., Seattle, Wash. Canned salmon. 213,100, May 18, 1926. Republished Nov. 23. Class 46.
Alliance Clay Product Co., The, Alliance, Ohio. Face brick, common brick and fireproofing tile. 230,398, July 19, 1927. Republished Nov. 23. Class 12.

Allied Chemical & Dye Corporation: *See*—
National Aniline & Chemical Company, Inc.
National Aniline & Chemical Company, Incorporated.
Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs. 419,754, Mar. 5, 1946. Republished Nov. 23. Class 6.
Allied Stores Corporation, Wilmington, Del., doing business as the Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Women's and children's bedroom slippers. 441,374, Nov. 23; Serial No. 496,193, published June 1, 1948. Class 39.
Amberg File and Index Company, Kankakee, Ill. File folders made of paper. 415,306, Aug. 7, 1945. Republished Nov. 23. Class 37.
American Chemical Paint Company, Ambler, Pa. Solid or liquid chemical admixtures. 504,162, Nov. 23; Serial No. 535,115, published Aug. 10, 1948. Class 6.
American Glossite Co., Incorporated, Putnam, Conn. Millinery braids. 429,350, Apr. 29, 1947. Republished Nov. 23. Class 40.
American Hoist & Derrick Co.: *See*—
American Hoist & Derrick Company.
American Hoist & Derrick Company, by American Hoist & Derrick Co., St. Paul, Minn. Rope clips. 50,804, Apr. 3, 1906. Republished Nov. 23. Class 13.
American Laundry Machinery Company, The, Norwood, Cincinnati, Ohio. Metallic laundry washers, clothes tumblers, laundry centrifugal extractors, etc. 155,192, May 23, 1922. Republished Nov. 23. Class 24.
American Laundry Machinery Company, The, Norwood, Cincinnati, Ohio. Wooden laundry washers, wooden and metallic laundry washers, etc. 156,610, July 11, 1922. Republished Nov. 23. Class 24.
American Varnish Company, The, Chicago, Ill. Varnishes. 20,262, Oct. 27, 1891. Republished Nov. 23. Class 16.
Ames Baldwin Wyoming Co.: *See*—
Ames Shovel & Tool Company.
Ames Shovel and Tool Company.
Baldwin Tool Works.
Wyoming Shovel Works, The.
Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels and scoops. 380,738, Aug. 27, 1940. Republished Nov. 23. Class 23.
Ames Shovel & Tool Company, Jersey City, N. J., and Boston, Mass., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 92,617, July 22, 1913. Republished Nov. 23. Class 23.
Ames Shovel and Tool Company, Boston, Mass., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 225,905, Mar. 29, 1927. Republished Nov. 23. Class 23.
Ames Shovel and Tool Company, Boston, Mass., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 226,596, Apr. 12, 1927. Republished Nov. 23. Class 23.
Ames Shovel and Tool Company, Boston, Mass., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades and scoops. 226,600, Apr. 12, 1927. Republished Nov. 23. Class 23.
Ames Shovel and Tool Company, Boston, Mass., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 228,227, May 24, 1927. Republished Nov. 23. Class 23.
Ames Shovel and Tool Company, Boston, Mass., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels and scoops. 229,646, July 5, 1927. Republished Nov. 23. Class 23.
Ames Shovel and Tool Company, North Easton, Mass., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Tools and parts thereof. 258,347, July 2, 1929. Republished Nov. 23. Class 23.
Ames Shovel and Tool Company, North Easton, Mass., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Tools and parts thereof. 262,338–9, Oct. 8, 1929. Republished Nov. 23. Class 23.
Andrews Nursery Company, Fairbault, Minn. Nursery stocks. 504,164, Nov. 23; Serial No. 535,213, published Aug. 24, 1948. Class 1.
Ansco Photoproducts, Inc., Binghamton, N. Y., assignor to Agfa Ansco Corporation, to General Aniline & Film Corporation, New York, N. Y. Photographic cameras. 249,040, renewed Nov. 6, 1948. O. G. Nov. 23. Class 26.
Ansco Photoproducts, Inc., Binghamton, N. Y., assignor to Agfa-Ansco Corporation, to General Aniline & Film Corporation, New York, N. Y. Photographic cameras. 249,170, renewed Nov. 6, 1948. O. G. Nov. 23. Class 26.
Ansco Photoproducts, Inc., Binghamton, N. Y., assignor to Agfa Ansco Corporation, to General Aniline & Film Corporation, New York, N. Y. Photograph cameras. 249,472, renewed Nov. 13, 1948. O. G. Nov. 23. Class 26.
Arden, Elizabeth, Sales Corp., New York, N. Y. Liquid undercoat for nail polish. 504,113, Nov. 23; Serial No. 530,707, published Aug. 17, 1948. Class 6.
Armour and Company, Chicago, Ill. Sausage. 504,096, Nov. 23; Serial No. 528,413, published Aug. 17, 1948. Class 46.
Armour and Company, Chicago, Ill. Sausage. 504,098, Nov. 23; Serial No. 528,675, published Aug. 17, 1948. Class 46.
Armour and Company, doing business as North American Provision Company, Chicago, Ill. Imitation chili con carne. 504,107, Nov. 23; Serial No. 529,861, published Aug. 17, 1948. Class 46.
Arpin Products, Inc., Orange, N. J. Water pistols. 504,171, Nov. 23; Serial No. 536,216, published July 20, 1948. Class 22.
Ash Grove Lime & Portland Cement Co., Kansas City, Mo. Hydraulic cement. 231,618, Aug. 23, 1927. Republished Nov. 23. Class 12.
Associated Seed Growers, Incorporated, New Haven, Conn. Grass seed. 504,080, Nov. 23; Serial No. 526,580, published Aug. 24, 1948. Class 1.
Auerbach Bath Robe Company, The, by Auerbach Bath Robe Corp., New York, N. Y. Bath and lounging robes. 412,181, Feb. 20, 1945. Republished Nov. 23. Class 39.
Auerbach Bath Robe Corp.: *See*—
Auerbach Bath Robe Company, The.
Auerbach Bath Robe Corp., New York, N. Y. Bath and lounging robes. 429,840, May 20, 1947. Republished Nov. 23. Class 39.
Automatic Ice Corporation, Blue Island, Ill. Machines for freezing ice. 504,132, Nov. 23; Serial No. 532,795, published Aug. 17, 1948. Class 31.
Autoyre Company, Incorporated, The, Oakville, Conn. Soap dishes, towel bars, roll holders, etc. Serial No. 366,094, Mar. 28, 1939. Republished Nov. 23. Class 13.
Avery, Omer G.: *See*—
Washburn, L. M.
Babson Bros. Co., Chicago, Ill. Milk cooling machines, incorporating electric refrigeration systems. 504,079, Nov. 23; Serial No. 526,552, published Aug. 17, 1948. Class 31.
Baldwin Tool Works, by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, scoops, etc. 174,760, Oct. 23, 1923. Republished Nov. 23. Class 23.
Baldwin Tool Works, by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, scoops, etc. 271,728, June 17, 1930. Republished Nov. 23. Class 23.
Baltimore & Ohio Railroad Company, The, Baltimore, Md. Railroad passenger and freight transporation service. 504,236, Nov. 23; Serial No. 532,995, published Aug. 24, 1948. Class 55.
Barben, David J., doing business as Gingisol Laboratorics, Cleveland, Ohio. Mouth wash and dentifrice. 441,414, Nov. 23; Serial No. 515,815, published June 8, 1948. Class 6.
Barron-Gray Packing Company, San Jose, Calif. Canned fruits. 173,089, Sept. 18, 1923. Republished Nov. 23. Class 46.
Barron-Gray Packing Company, San Jose, Calif. Canned fruits. 173,130, Sept. 18, 1923. Republished Nov. 23. Class 46.
Barron-Gray Packing Company, San Jose, Calif. Canned fruits. 173,931, Oct. 2, 1923. Republished Nov. 23. Class 46.
Bear Brand Hosiery Co., Chicago, Ill. Textile articles. 204,239, Oct. 3, 1925. Republished Nov. 23. Class 39.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 252,292–3, renewed Jan. 29, 1949. O. G. Nov. 23. Class 39.
Bearium Bearings, Inc., Buffalo, by Bearium Metals Corporation, Rochester, N. Y. Lead and alloys. 240,220, Mar. 20, 1928. Republished Nov. 23. Class 14.
Bearium Bearings, Inc., Buffalo, by Bearium Metals Corporations, Rochester, N. Y. Lead and alloys. 241,054, Apr. 17, 1928. Republished Nov. 23. Class 14.
Bearium Metals Corporation: *See*—
Bearium Bearings, Inc.
Bean Brummell Ties, Inc., Cincinnati, Ohio. Neckties. 411,969, Feb. 13, 1945. Republished Nov. 23. Class 39.
Bee Tree Vermiculite Mines, Asheville, N. C., by Bee Tree Vermiculite Mines, Inc., Tigerville, S. C. Crude and exfoliated vermiculite. 377,315, Apr. 30, 1940. Republished Nov. 23. Class 1.
Bee Tree Vermiculite Mines, Inc.: *See*—
Bee Tree Vermiculite Mines.
Beggs, Annabell H., doing business as H-O Chemical Company, to W. S. Beggs, Denver, Colo. Cleaning fluid. 247,021, renewed Sept. 18, 1948. O. G. Nov. 23. Class 4.
Beggs, William S.: *See*—
Beggs, Annabell H.
Belch, Paul F., Co., Bloomington, Ill. Candy. 504,144, Nov. 23; Serial No. 533,979, published Aug. 17, 1948. Class 46.
Belle Knitting Corp., New York, N. Y., by The McKay Products Corporation, Baltimore, Md. Ladies' and children's knitted rayon underwear. 350,761, Oct. 5, 1937. Republished Nov. 23. Class 39.
Belle Knitting Corp., New York, N. Y., by The McKay Products Corporation, Baltimore, Md. Knitted rayon in the piece. 353,858, Jan. 18, 1938. Republished Nov. 23. Class 42.
Belle Knitting Corp., New York, N. Y., by The McKay Products Corporation, Baltimore, Md. Ladies' and children's underwear. 371,382, Sept. 26, 1939. Republished Nov. 23. Class 39.
Benard & Honnorat, doing business as Molinard, Grasse (Alpes Maritimes), France. Perfumes, toilet water, cologne, etc. 504,220, Nov. 23; Serial No. 548,313, published Aug. 17, 1948. Class 6.

Bendix Aviation Corporation, Teterboro, N. J. Electrical transmitting and/or receiving devices. 414,108, May 29, 1945. Republished Nov. 23. Class 26.

Benson, N. P., Optical Co., Inc., assignor to Cosmet Corporation, by Cosmet Company, Minneapolis, Minn. Eye glass lenses and eye glass edge finishes. 379,537, July 16, 1940. Republished Nov. 23. Class 26.

Benson, N. P., Optical Company, Inc., assignor to Cosmet Corporation, by Cosmet Company, Minneapolis, Minn. Eye glass lenses and eye glass edge finishes. 375,873, Mar. 5, 1940. Republished Nov. 23. Class 26.

Benson, N. P., Optical Company, Inc., by Cosmet Company, Minneapolis, Minn. Eye glass lenses and eye glass edge finishes. 397,784, Sept. 22, 1942. Republished Nov. 23. Class 26.

Berkley Company, The, Philadelphia, Pa. Neckties and cravats. 504,128, Nov. 23; Serial No. 532,548, published Aug. 31, 1948. Class 39.

Berne Mfg. Co., to Winner, Inc., Berne, Ind. Men's work clothing. 248,950, renewed Nov. 6, 1948. O. G. Nov. 23. Class 39.

Best & Co. Inc., New York, N. Y. Toilet water, perfume, perfume extracts, etc. 441,415, Nov. 23; Serial No. 515,998, published July 27, 1948. Class 6.

Beverage Distributors, Inc.: *See*—
Safeway Stores, Inc.
Safeway Stores, Incorporated.
Safeway Stores, Inc., of Nevada.
Western States Grocery Company.

Beverage Distributors, Inc., San Francisco, Calif. Ginger ale. 417,236, Oct. 16, 1945. Republished Nov. 23. Class 45.

Biberman Brothers, by L'Aiglon Apparel, Inc., Philadelphia, Pa. Women's and misses' washable dresses, nurses' and maids' uniform dresses, aprons, etc. 129,329, Feb. 17, 1920. Republished Nov. 23. Class 39.

Biberman Brothers, Inc., by L'Aiglon Apparel, Inc., Philadelphia, Pa. Children's dresses, middy blouses, shirt waists and outer skirts. 161,063, Nov. 7, 1922. Republished Nov. 23. Class 39.

Biddle, James G., Co., Philadelphia, Pa. Rheostats. 391,867, Nov. 25, 1941. Republished Nov. 23. Class 21.

Biondi, Jacob, Baltimore, to Jacob Biondi, Arlington, Baltimore, Md. Preparation for growing hair. 254,199, renewed Mar. 12, 1949. O. G. Nov. 23. Class 6.

Bird-Archer Company, The, New York, N. Y. Boiler chemicals. 158,184, Aug. 29, 1922. Republished Nov. 23. Class 6.

Birtcher Corporation, The, Los Angeles, Calif. Therapeutic lamps. 504,240, Nov. 23; Serial No. 508,701. Class 44.

Black Angus, Inc., The, New York, N. Y. Pastry pies, cakes, bread. 441,375, Nov. 23; Serial No. 497,840, published Aug. 17, 1948. Class 46.

Blackstaff Linens, Inc., New York, N. Y. Linen, cotton, and rayon piece goods. 504,239, Nov. 23; Serial No. 506,366. Class 42.

Blackstaff Linens, Inc., New York, N. Y. Linen, cotton, rayon piece goods. 504,243, Nov. 23; Serial No. 517,179. Class 42.

Blaw-Knox Company, Pittsburgh, Pa. Proportioning plants. 211,130, Apr. 6, 1926. Republished Nov. 23. Class 23.

Blue Swan Mills Inc., New York, N. Y., by The McKay Products Corporation, Baltimore, Md. Ladies' underwear. 363,445, Dec. 27, 1938. Republished Nov. 23. Class 39.

Boland Mfg. Co., Chicago, Ill. Goods made of "plastic" film: storage bags, bags for storing food, etc. 441,421, Nov. 23; Serial No. 521,238, published Aug. 24, 1948. Class 2.

Bolgiano, F. W., & Co., Inc., Washington, D. C. Grass seeds. 504,061, Nov. 23; Serial No. 514,101, published Aug. 10, 1948. Class 1.

Bon Marche, The: *See*—
Allied Stores Corporation.

Bonney Forgs & Tool Works, Allentown, Pa. Wrenches, socket wrenches, whether detachable or solid sockets, male or female, etc. 252,434, renewed Feb. 5, 1949. O. G. Nov. 23. Class 23.

Bosch Brewing Company, Lake Linden, by Bosch Brewing Company (1933), Houghton, Mich. Non-intoxicating malt beverage. 137,560, Nov. 30, 1920. Republished Nov. 23. Class 48.

Bosch Brewing Company (1933): *See*—
Bosch Brewing Company.

Boston Varnish Co., Everett, Mass. Paints and enamels. 129,333, Feb. 17, 1920. Corrected. O. G. Nov. 23. Class 16.

Boston Wire Stitcher Company, Stonington, Conn. Wire-stitching and stapling machines and parts thereof. 135,920, Oct. 26, 1920. Republished Nov. 23. Class 23.

Boyd-Richardson Company, St. Louis, Mo. Leather shoes. 441,371, Nov. 23; Serial No. 492,358, published Aug. 10, 1948. Class 39.

Boye, James H., Manufacturing Co., Chicago, Ill. Golf clubs. 252,479, renewed Feb. 5, 1949. O. G. Nov. 23. Class 22.

Boyle-Midway Inc., Jersey City, N. J. Chemical fluid. 504,185, Nov. 23; Serial No. 537,976, published Aug. 3, 1948. Class 6.

Brakeley Canning Company, The: *See*—
Brakeley, Harry H., Jr.

Brakeley, Harry H., Jr., doing business as The Brakeley Canning Company, Bordentown, N. J. Canned vegetables. 227,582, Nov. 18, 1930. Republished Nov. 23. Class 46.

Brenninkmeyer, C. & A., Inc., New York, N. Y. Articles of men's, women's, and children's suits, costumes consisting of jackets and skirts, overcoats, etc. 441,409, Nov. 23; Serial No. 515,157, published Nov. 11, 1947. Class 39.

Breuer Electric Mfg. Co., Chicago, Ill. Device for the separation of dust from air. 441,417, Nov. 23; Serial No. 517,180, published June 29, 1948. Class 34.

British Columbia Fishing & Packing Company, Limited, to British Columbia Packers, Limited, Vancouver, British Columbia, Canada. Frozen fish. 239,551, renewed Mar. 6, 1948. O. G. Nov. 23. Class 46.

British Columbia Packers, Limited: *See*—
British Columbia Fishing & Packing Company, Limited.

Brown, J. S., Merc. Co., The, Denver, Colo., by Paul M. Cooter, doing business as The Cooter Company, Chicago, Ill. Canned tomatoes, canned salmon, canned refugee beans, etc. 115,936, Mar. 27, 1917. Republished Nov. 23. Class 46.

Brown Knitting Company: *See*—
Volunteer Knitting Mills.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Talcum powder for billiard players. 504,109, Nov. 23; Serial No. 529,960, published Aug. 3, 1948. Class 6.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Therapeutic preparation. 504,064, Nov. 23; Serial No. 515,696, published Aug. 3, 1948. Class 6.

Bushnell, D. I. & Co.: *See*—
Cornell Seed Company.

Butler, J. W. Paper Co., by Butler Paper Corporations, Chicago, Ill. Writing paper. 63,677, July 2, 1907. Republished Nov. 23. Class 37.

Butler, J. W., Paper Company, by Butler Paper Corporations, Chicago, Ill. Paper for poster and label work. 145,052, July 26, 1921. Republished Nov. 23. Class 37.

Butler, J. W., Paper Company, by Butler Paper Corporations, Chicago, Ill. Cover paper. 157,882, Aug. 22, 1922. Republished Nov. 23. Class 37.

Butler, J. W., Paper Company, by Butler Paper Corporations, Chicago, Ill. Printing, book, and cover papers. 165,322, Mar. 6, 1923. Republished Nov. 23. Class 37.

Butler, J. W., Paper Company, by Butler Paper Corporations, Chicago, Ill. Printing, writing, book, and cover papers. 165,323, Mar. 3, 1923. Republished Nov. 23. Class 37.

Butler, J. W., Paper Company, by Butler Paper Corporations, Chicago, Ill. Paper. 172,922, Sept. 11, 1923. Republished Nov. 23. Class 37.

Butler, J. W., Paper Co., The, by Butler Paper Corporations, Chicago, Ill. Print paper, book paper, cover paper, etc. 174,242, Oct. 9, 1923. Republished Nov. 23. Class 37.

Butler, J. W., Paper Co., The, by Butler Paper Corporations, Chicago, Ill. Wrapping paper, manila paper, envelopes, etc. 176,406, Nov. 27, 1923. Republished Nov. 23. Class 37.

Butler, J. W., Paper Co., The, by Butler Paper Corporations, Chicago, Ill. Envelopes and paper for making envelopes. 177,978, Jan. 1, 1924. Republished Nov. 23. Class 37.

Butler Paper Corporations: *See*—
Butler, J. W., Paper Co.
Butler, J. W., Paper Company.
McClellan Paper Company.

Butler Paper Corporations, Chicago, Ill. Book paper, cover paper, document paper, etc. 288,075, Oct. 20, 1931. Republished Nov. 23. Class 37.

Cahners, Norman L., doing business as Materials Handling Laboratories, Boston, Mass. Portable material handling platforms. 430,621, June 17, 1947. Republished Nov. 23. Class 50.

California Hand Prints, Inc., Hermosa Beach, Calif. Plain and printed textile piece goods made of cotton, synthetic fibers, or mixtures thereof. 504,241, Nov. 23; Serial No. 510,234. Class 42.

California Industrial Garment Company, San Francisco, Calif. Cotton shirts, shopcoats, patient's gowns, barber's gowns, bar vests, etc. 441,420, Nov. 23; Serial No. 519,923, published Aug. 17, 1948. Class 39.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Plant and horticultural parasiticides, insecticides, etc. 441,412, Nov. 23; Serial No. 515,655, published July 27, 1948. Class 6.

California Vegetable Products Co., Los Angeles, Calif., to Sokol & Company, Chicago, Ill. Dehydrated vegetables. 245,222, renewed Aug. 7, 1948. O. G. Nov. 23. Class 46.

Cannon Mills Company: *See*—
Cannon Mills, Inc.

Cannon Mills, Inc., New York, N. Y., to Cannon Mills Company, Kannapolis, N. C. Men's and women's hosiery. 232,160, renewed Sept. 6, 1947. O. G. Nov. 23. Class 39.

Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. 304,818, July 18, 1933. Republished Nov. 23. Class 46.

Capital City Dairy Company, by The Capital City Products Company, Columbus, Ohio. Oleomargarine. 118,463, Sept. 11, 1917. Republished Nov. 23. Class 46.

Capital City Products Company, The: *See*—
Capital City Dairy Company.
Kellogg Products Inc.
Moxley, Wm. J., Inc.

Capital City Products Company, The, Columbus, Ohio. Partially hydrogenated cottonseed oil. 279,294, Jan. 13, 1931. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Refined vegetable oil hydrogenated to various melting points. 280,816, Mar. 3, 1931. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Yellow cottonseed oil for cooking purposes. 280,932, Mar. 3, 1931. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Powdered high-melting-point vegetable-oil stearine. 282,855, May 5, 1931. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Pressed and hydrogenized palm kernel or cocoanut oil. 289,596, Dec. 1, 1931. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Refined pure vegetable oil. 304,832, July 18, 1933. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Cheese, Thousand Island dressing, mayonnaise, etc. 308,629, Dec. 12, 1933. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Cheese. 320,167, Dec. 18, 1934. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. High moisture emulsified agent for cake mixtures. 326,423, July 23, 1935. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Vegetable shortening. 334,161, Apr. 21, 1936. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Pie crust and mixture and pure vegetable shortening. 375,561, Feb. 20, 1940. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Mayonnaise, salad dressing, sandwich spread, etc. 384,462, Jan. 21, 1941. Republished Nov. 23. Class 46.

Capital City Products Company, The, Columbus, Ohio. Oleomargarine. 425,020, Oct. 29, 1946. Republished Nov. 23. Class 46.

Carlisle Drug Co., Nashville, Tenn. Medicinal remedy for treatment of athlete's foot. 504,053, Nov. 23; Serial No. 509,561, published Aug. 24, 1948. Class 6.

Carolina Manufacturing Company: *See*—
Niven, Mack P.

Casa Prima Citrus Company, The, San Francisco, Calif. Fruit concentrate. 403,958, Oct. 26, 1943. Republished Nov. 23. Class 45.

Castleton China Incorporated, New York, N. Y. China tableware and china art objects. 504,087, Nov. 23; Serial No. 526,973, published Aug. 31, 1948. Class 30.

Catalina, Inc.: *See*—
Pacific Knitting Mills.

Caulk, L. D., Company, The, Milford, Del. Dental fillings and various types of dental cementation. 504,188, Nov. 23; Serial No. 539,269, published Aug. 17, 1948. Class 44.

Central Chemical Corporation of Maryland, Hagerstown, Md. Feeds. 395,992, June 23, 1942. Republished Nov. 23. Class 46.

Central Mills, Inc., Dunbridge, Ohio. Livestock feeds. 432,663, Sept. 9, 1947. Republished Nov. 23. Class 46.

Century Machine Company, The, Cincinnati, and Oakley, Cincinnati, by The Century Machine Company, Cincinnati, Ohio. Bakers' mixing machines. 231,204, Aug. 16, 1927. Republished Nov. 23. Class 23.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Smoking stands, ash receivers, smoker's sets, etc. 394,727, Apr. 28, 1942. Republished Nov. 23. Class 8.

Cheerio Toys & Games Incorporated: *See*—
Cheerio Toys & Games Limited.

Cheerio Toys & Games Limited, Toronto, Ontario, Canada, assignor to Cheerio Toys & Games Incorporated, Lockport, N. Y. Spinning tops of the bandalore type. 441,391, Nov. 23; Serial No. 505,182, published July 27, 1948. Class 22.

Cherokee Coal Company, Louisville, Ky. Coal. 504,217, Nov. 23; Serial No. 544,650, published Aug. 17, 1948. Class 1.

Chesterman-Leeland Company, Philadelphia, Pa. Hernial trusses and parts thereof, etc. 504,075, Nov. 23; Serial No. 522,840, published Aug. 17, 1948. Class 44.

Church & Dwight Co., Inc., New York, N. Y. Sal soda and bicarbonate of soda. 504,083, Nov. 23; Serial No. 526,784, published Aug. 24, 1948. Class 6.

Church & Dwight Co., Inc., New York, N. Y. Sal soda, bicarbonate of soda (baking soda). 504,084, Nov. 23; Serial No. 526,788, published Aug. 3, 1948. Class 6.

Circo Products Company, Cleveland, Ohio. Solvents. 385,042, Feb. 11, 1941. Republished Nov. 23. Class 4.

Circo Products Company, Cleveland, Ohio. Electrically heated solvent vaporizing apparatuses. 385,823, Mar. 18, 1941. Republished Nov. 23. Class 21.

Circo Products Company, Cleveland, Ohio. Apparatus for steam-cleaning automobile engines and its parts, and for cleaning air filters, etc. 387,171, May 6, 1941. Republished Nov. 23. Class 23.

Circo Products Company, Cleveland, Ohio. Degreasers. 422,647–8, Aug. 6, 1946. Republished Nov. 23. Class 23.

City Paint Company, St. Louis, by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Ready-mixed paints, varnish stains, quick drying enamels, etc. 336,449, July 7, 1936. Republished Nov. 23. Class 16.

Cohen, Goldman & Co. Inc., New York, N. Y. Men's, boys' and children's outer garments. 441,400, Nov. 23; Serial No. 508,892, published Aug. 10, 1948. Class 39.

Cohn, H. C., & Co., to Superba Cravats, Rochester, N. Y. Neckties. 68,186, re-renewed Mar. 10, 1948. O. G. Nov. 23. Class 39.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Woven textile fabric in the piece. 399,932, Feb. 9, 1943. Republished Nov. 23. Class 42.

Con-Ferro Paint & Varnish Company: *See*—
City Paint Company.
Con-Ferro Paint & Varnish Co.

Con-Ferro Paint & Varnish Co., St. Louis, by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Ready-mixed paints, varnish stains, and paint enamels. 167,928, May 8, 1923. Republished Nov. 23. Class 16.

Con-Ferro Paint & Varnish Company, St. Louis, by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. House paint, paint enamels, varnish stains, etc. 221,175, Nov. 23, 1926. Republished Nov. 23. Class 16.

Continental Undergarment Co., Inc., Brooklyn, N. Y. Ladies' misses', and children's underwear. 504,194, Nov. 23; Serial No. 541,919, published Aug. 10, 1948. Class 39.

Coolerator Company, The, Duluth, Minn. Refrigerators. 504,051, Nov. 23; Serial No. 507,889, published Aug. 10, 1948. Class 31.

Cooter Company, The: *See*—
Brown, J. S., Merc. Co., The.

Cooter, Paul M.: *See*—
Brown, J. S., Merc. Co., The.

Cordley & Hayes, New York, N. Y. Ice cooled water coolers and mechanically cooled water coolers. 504,066, Nov. 23; Serial No. 518,202, published Aug. 17, 1948. Class 31.

Cornell Seed Company, doing business as D. I. Bushnell & Co., St. Louis, Mo. Field and grass seeds. 504,208, Nov. 23; Serial No. 543,371, published Aug. 17, 1948. Class 1.

Cornell Seed Company, doing business as D. I. Bushnell & Co., St. Louis, Mo. Field and grass seeds. 504,216, Nov. 23; Serial No. 544,647, published Aug. 17, 1948. Class 1.

Cornish, Jesse B., Chicago, by Rockford Paint Manufacturing Company, Rockford, Ill. Varnishes. 125,203, Apr. 22, 1919. Republished Nov. 23. Class 16.

Cosmet Company: *See*—
Benson, N. P., Optical Co., Inc.
Benson, N. P., Optical Company, Inc.
Cosmet Corporation.

Cosmet Corporation: *See*—
Benson, N. P., Optical Co., Inc.
Benson, N. P., Optical Company, Inc.

Cosmet Corporation, by Cosmet Company, Minneapolis, Minn. Machines for securing or swedging screws on spectacle frames and mountings, etc. 407,168, May 23, 1944. Republished Nov. 23. Class 23.

Crescent Box Corporation, Philadelphia, Pa. Corrugated fibreboard boxes and paper boxes. 300,771, Feb. 7, 1933. Republished Nov. 23. Class 2.

Crowell, Serge L., doing business as The Dynotoy Manufacturing Co., Carle Place, N. Y. Fishing games and other games. 441,425, Nov. 23; Serial No. 522,450, published July 27, 1948. Class 22.

Cudahy Packing Company, The, Chicago, Ill. Soap powder combined with mineral ingredients. 504,255, Nov. 23; Serial No. 555,801. Class 4.

Cuddeback Packing Co.: *See*—
Cuddeback, Richard J.

Cuddeback, Richard J., doing business as Cuddeback Packing Co., Canandaigua, N. Y. Beef in thin slices. 504,093, Nov. 23; Serial No. 528,195, published Aug. 17, 1948. Class 46.

Cupid Foundations, Inc., New York, N. Y. Girdles, corsets, and brassières. 504,211–12, Nov. 23; Serial Nos. 543,794–5, published Aug. 10, 1948. Class 39.

D. R. A. Dress Co.: *See*—
Rappaport, Albert.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's felt hats. 504,192, Nov. 23; Serial No. 541,265, published Aug. 17, 1948. Class 39.

Dan-Dee Pretzel and Potato Chip Company, The, Cleveland, Ohio. Potato chips. 504,105, Nov. 23; Serial No. 529,607, published Aug. 17, 1948. Class 46.

Davis Box Toe Company, Inc., Brooklyn, N. Y. Box toes. 504,168, Nov. 23; Serial No. 535,494, published Aug. 17, 1948. Class 39.

Davis Bros. Fisheries Co. Inc.: *See*—
Davis Bros. Fisheries, Inc.

Davis Bros. Fisheries Co. Inc., Gloucester, Mass: Canned fish and packaged salt fish. 387,175–6, May 6, 1941. Republished Nov. 23. Class 46.

Davis Bros. Fisheries, Inc., Gloucester, Mass., assignor to Davis Bros. Fisheries Co., Inc., by Davis Bros. Fisheries Co. Inc., Gloucester, Mass. Fish cakes and mixtures therefor. 387,824, June 3, 1941. Republished Nov. 23. Class 46.

Davol Rubber Company, Providence, R. I. Nursing-bottle nipples or caps. 244,079, renewed July 10, 1948. O. G. Nov. 23. Class 44.

Dearborn Chemical Company, Chicago, Ill. Motor-lubricating oils. 250,018, renewed Nov. 27, 1948. O. G. Nov. 23. Class 15.

Denton Sleeping Garment Mills, Inc., Centerville, Mich. Sleeping garments. 504,101, Nov. 23; Serial No. 529,238, published Aug. 10, 1948. Class 39.

Dentone, Leo A., doing business as Dentone's Pharmaceuticals, Stockton, Calif. Dietary supplement. 441,411, Nov. 23; Serial No. 515,487, published July 20, 1948. Class 6.

Dentone's Pharmaceuticals: *See*—
Dentone, Leo A.

Dermetics, Inc., New York, N. Y. Toilet preparations. 441,422, Nov. 23; Serial No. 521,638, published July 27, 1948. Class 6.

Dermik Pharmacal Co., Inc., Brooklyn, N. Y. Medical preparation. 441,419, Nov. 23; Serial No. 518,389, published Aug. 17, 1948. Class 6.

De Sherbinin, William N., Brookfield, Conn. Fishing equipment. 441,387, Nov. 23; Serial No. 504,342, published July 13, 1948. Class 22.

De Soto Chemical Co., Inc., Arcadia, Fla. Roach, ant, rat and mouse exterminator. 243,312, renewed June 19, 1948. O. G. Nov. 23. Class 6.

Detroit Graphite Company, Detroit, by Detroit Graphite Company, Detroit, Mich., and New York, N. Y. Ready-mixed paste and semipaste paints, paint enamels in liquid form, and varnishes. 150,331, Jan. 3, 1922. Republished Nov. 23. Class 16.

Detroit Graphite Company, Detroit, Mich., and New York, N. Y. Protective and fire-retarding paints. 164,331, Feb. 20, 1923. Republished Nov. 23. Class 16.

Detroit Graphite Company, Detroit, Mich., by Detroit Graphite Company, New York, N. Y., and Detroit, Mich. Paints, dry, paste, semipaste, and ready-mixed. 206,011, Nov. 24, 1925. Republished Nov. 23. Class 16.

Detroit Graphite Company, Detroit, Mich., by Detroit Graphite Company, New York, N. Y., and Detroit, Mich. Washable wall finish. 210,749, Mar. 23, 1926. Republished Nov. 23. Class 16.

Detroit Graphite Company, Detroit, by Detroit Graphite Company, Detroit, Mich., and New York, N. Y. Aluminum paint, aluminum-paint undercoater or primer. 224,320, Feb. 22, 1927. Republished Nov. 23. Class 16.

Detroit Graphite Company, Detroit, by Detroit Graphite Company, Detroit, Mich., and New York, N. Y. Ready-mixed paint. 270,108, Apr. 29, 1930. Republished Nov. 23. Class 16.

Detroit Graphite Company, Detroit, Mich., and New York, N. Y. Metal protective paints. 417,905, Nov. 20, 1945. Republished Nov. 23. Class 16.

De Witt, E. C., & Company, to E. C. De Witt & Co., Inc., Chicago, Ill. Preparation for alleviating discomforts of excess stomach acidity, etc. 32,134, Nov. 8, 1898. New certificate. O. G. Nov. 23. Class 6.

De Witt, E. C., & Co., Inc.: *See*—
De Witt, E. C., & Company.

Dey Brothers & Company: *See*—
Allied Stores Corporation.

Diamond Manufacturing Co.: *See*—
Shapleigh Hardware Company.

Diamond Manufacturing Company, Wyoming, Pa. Perforated metal sheets and plates. 194,139, Jan. 13, 1925. Republished Nov. 23. Class 14.

Dick, L., Inc., Plainfield, N. J. Infants' and children's dresses. 504,205, Nov. 23; Serial No. 543,151, published Aug. 10, 1948. Class 39.

Diversey Corporation, The, Chicago, Ill. Disinfectant in powder form. 504,221, Nov. 23; Serial No. 549,519, published Aug. 17, 1948. Class 6.

Drondeski, Edward W., doing business as Manhan Potato Chip Co., Easthampton, by Manhan Potato Chip Co., Inc., Northampton, Mass. Potato chips. 221,869, Dec. 14, 1926. Republished Nov. 23. Class 46.

Dynotoy Manufacturing Co., The: *See*—
Crowell, Serge L.

E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heaters and parts thereof. 349,193, Aug. 24, 1937. Republished Nov. 23. Class 19.

E & L Fruit & Produce Distributors, by Woo Gueyteung, Los Angeles, Calif. Fresh vegetables, fresh citrus fruits, and fresh deciduous fruits. 424,715, Oct. 22, 1946. Republished Nov. 23. Class 46.

Eagle Knitting Mills, Inc., Milwaukee, Wis. Knit goods. 504,198–9, Nov. 23; Serial Nos. 542,452–3, published Aug. 24, 1948. Class 39.

Eagle Knitting Mills, Inc., Milwaukee, Wis. Leather, leatherette, and knit-goods. 504,200, Nov. 23; Serial No. 542,454, published Aug. 24, 1948. Class 39.

Eastern Connecticut Poultry Producers, Inc., Williamantic, Conn., to Eastern Connecticut Poultry Producers, Inc., Providence, R. I. Eggs. 243,111, renewed June 12, 1948. O. G. Nov. 23. Class 46.

Eastern Seaboard Mfg. Co.: *See*—
Erdos, Fred.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic processing kits consisting of chemicals. 504,059, Nov. 23; Serial No. 513,035, published Aug. 10, 1948. Class 6.

Eckardt, Max, & Sons, Inc., New York, N. Y. Dolls. 441,410, Nov. 23; Serial No. 515,372, published Aug. 17, 1948. Class 22.

Edwards, Dwight, Company, San Francisco, by Safeway Stores, Incorporated, Oakland, Calif. Coffee. 307,056, Oct. 10, 1933. Republished Nov. 23. Class 46.

Edwards, Dwight, Company, San Francisco, by Safeway Stores, Incorporated, Oakland, Calif. Coffee. 307,815, Nov. 7, 1933. Republished Nov. 23. Class 46.

Eisenach, Henrietta F., Saginaw, Mich. Infants' garments. 441,427, Nov. 23; Serial No. 522,852, published Aug. 24, 1948. Class 39.

Electrolux Servel Corporation, to Servel, Inc., New York, N. Y. Refrigerators, refrigerator parts, automatic refrigerators, etc. 248,774, renewed Oct. 30, 1948. O. G. Nov. 23. Class 31.

Elliott Company, Jeannette, Pa. Feed water heaters, deaerating heaters, surface condensers, etc. 504,094, Nov. 23; Serial No. 528,199, published Aug. 10, 1948. Class 34.

Elliott Company, Jeannette, Pa. Filters and grease extractors. 504,095, Nov. 23; Serial No. 528,200, published Aug. 10, 1948. Class 31.

Ellison, Barbara Banks, Kimmswick, Mo. Neckwear. 441,406, Nov. 23; Serial No. 512,900, published Aug. 31, 1948. Class 39.

Enmart Food Products Co.: *See*—
Republic Food Products Co.

Endicott Johnson Corporation, Endicott, N. Y. Leather shoes. 253,782, renewed Mar. 5, 1949. O. G. Nov. 23. Class 39.

Enterprise Manufacturing Company, The, Akron, Ohio. Fish-hooks, leaders, flies, etc. 71,940, re-renewed Dec. 22, 1948. O. G. Nov. 23. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Parts of harness. 72,243, re-renewed Jan. 12, 1949. O. G. Nov. 23. Class 3.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial bait. 250,005–6, renewed Nov. 27, 1948. O. G. Nov. 23. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing-reel parts. 250,007, renewed Nov. 27, 1948. O. G. Nov. 23. Class 22.

Erdos, Fred, doing business as Eastern Seaboard Mfg. Co., assignor to Rodox Inc., New York, N. Y. Musical toys. 441,397, Nov. 23; Serial No. 507,975, published July 20, 1948. Class 22.

Erwin Cotton Mills Company, Durham, N. C. Sheets and pillow cases, and cotton goods in the piece. 143,331, May 31, 1921. Republished Nov. 23. Class 42.

Erwin Cotton Mills Company, Durham, N. C. Sheets and pillow cases and cotton goods in the piece. 152,164, Feb. 21, 1922. Republished Nov. 23. Class 42.

Eugene, Ltd., Brooklyn, N. Y. Electric hair driers, permanent hair waving machines and parts thereof, etc. 504,187, Nov. 23; Serial No. 539,144, published Aug. 17, 1948. Class 44.

Eureka Fire Hose Company, to United States Rubber Company, New York, N. Y. Rubber-lined cotton hose. 32,058–61, re-renewed Oct. 18, 1948. O. G. Nov. 23. Class 35.

Eureka Fire Hose Company, to United States Rubber Company, New York, N. Y. Linen hose. 32,062, re-renewed Oct. 18, 1948. O. G. Nov. 23. Class 35.

Eureka Fire Hose Manufacturing Company, Jersey City, N. J., to United States Rubber Company, New York, N. Y. Fabric hose. 71,467, re-renewed Nov. 24, 1948. O. G. Nov. 23. Class 35.

Extrabell Co., The, Chicago, Ill. Casings for coin operated amusement games, etc. 441,383, Nov. 23; Serial No. 502,130, published July 20, 1948. Class 22.

Faber, Eberhard, New York, by Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils. 43,074, Aug. 2, 1904. Republished Nov. 23. Class 37.

Faber, Eberhard, Pencil Company: *See*—
Faber, Eberhard.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils, rubber erasers, and colored pencils. 269,854, Apr. 22, 1930. Republished Nov. 23. Class 37.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. 307,230, Oct. 17, 1933. Republished Nov. 23. Class 37.

Fabri-Form Company, The, Byesville, Ohio. Sheets, rods, and tubes. 441,389, Nov. 23; Serial No. 504,892, published Aug. 10, 1948. Class 1.

Fairclough & Gold, Inc., Boston, Mass. Marquisette for curtains, casement cloth for draperies, and gauze for curtains. 236,125, Dec. 6, 1927. Republished Nov. 23. Class 42.

Farmer's Pride Hybrid Corn Co., Templeton, Halbur, and Carroll, Iowa. Hybrid seed corn. 441,396, Nov. 23; Serial No. 506,997, published Aug. 17, 1948. Class 1.

Federal Manufacturing and Engineering Corp., Brooklyn, N. Y. Photographic equipment and optical equipment, etc. 440,801, Sept. 28, 1948. Corrected. O. G. Nov. 23 Class 26.

Fisher Millinery Company, by Fisher Millinery Corporation, New York, N. Y. Ladies' hats. 186,427, July 8, 1924. Republished Nov. 23. Class 39.

Fisher Millinery Corporation: *See*—
Fisher Millinery Company.

Flour City Ornamental Iron Company, The, Minneapolis, Minn. Boats. 504,097, Nov. 23; Serial No. 528,438, published Aug. 17, 1948. Class 19.

Foot Form Shoe Shops, Inc., New York, N. Y. Leather and fabric Slippers, moccasins, shoes, etc. 504,125, Nov. 23; Serial No. 532,286, published Aug. 10, 1948. Class 39.

Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Teniacides. 504,206, Nov. 23; Serial No. 543,161, published Aug. 17, 1948. Class 6.

Fouke Fur Company, St. Louis, Mo. Fur skins, hides, and pelts. 504,089–90. Nov. 23; Serial Nos. 527,197–8, published Aug. 24, 1948. Class 1.

Fox Company, The: *See*—
Newton, Carl D.

Frampton Company, The, Newark, N. J., and New York, by Royal Society, Inc., New York, N. Y. Material or fabric stamped for art embroidery. 235,089, Nov. 8, 1927. Republished Nov. 23. Class 40.

Funsten, R. E., Company: *See*—
Funsten, R. E., Dried Fruit & Nut Co.

Funsten, R. E., Dried Fruit & Nut Co., by R. E. Funsten Company, St. Louis, Mo. Fresh cracked pecans. 84,618, Dec. 26, 1911. Republished Nov. 23. Class 46.

Funsten, R. E., Dried Fruit & Nut Co., by R. E. Funsten Company, St. Louis, Mo. Nut meats. 114,742, Jan. 2, 1917. Republished Nov. 23. Class 46.

Gage Brothers and Company, Chicago, Ill. Misses' and girls' hats. 504,052, Nov. 23; Serial No. 508,475, published Aug. 10, 1948. Class 39.

Gellman Manufacturing Company, Rock Island, Ill. Bread wrapping and packaging machine. 432,244, Aug. 26, 1947. Republished Nov. 23. Class 23.

General Aniline & Film Corporation: *See*—
Ansco Photoproducts, Inc.

General Dry Batteries, Inc., Lakewood, Ohio. Electric batteries. 220,666, Nov. 16, 1926. Republished Nov. 23. Class 21.

General Dry Batteries, Inc., Lakewood, Ohio. Electric batteries. 285,731, Aug. 4, 1931. Republished Nov. 23. Class 21.

General Food Products Co.: *See*—
Safeway Stores, Inc.
Safeway Stores, Incorporated.

General Food Products Co., Vernon, by Glenfield Food Company, San Francisco, Calif. Peanut butter. 341,533, Dec. 8, 1936. Republished Nov. 23. Class 46.

General Latex and Chemical Corporation, Cambridge, Mass. Rubber latex. 387,530, May 20, 1941. Republished Nov. 23. Class 1.

Giese, Otto E., New York, N. Y. Filtering materials. 441,430, Nov. 23; Serial No. 524,870, published Aug. 17, 1948. Class 31.

Gillette Safety Razor Company: *See*—
Gillette Safety Razor Co.

Gillette Safety Razor Co., to Gillette Safety Razor Company, Boston, Mass. Soap. 70,758, re-renewed Sept. 29, 1948. O. G. Nov. 23. Class 4.

Gingisol Laboratories: *See*—
Barben, David J.

Ginsberg, S., Sons, Baltimore, Md. Suits, coats, vests, etc. 354,637, Feb. 15, 1938. Republished Nov. 23. Class 39.

Ginsberg, S., Sons, Baltimore, Md. Men's suits. 414,879, July 3, 1945. Republished Nov. 23. Class 39.

Givaudan-Delawanna, Inc., New York, N. Y. Organic odoriferous and flavor-imparting chemicals, etc. 504,203, Nov. 23; Serial No. 543,038, published Aug. 17, 1948. Class 6.

Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. 504,088, Nov. 23; Serial No. 527,082, published Aug. 17, 1948. Class 22.

Glenfield Food Company: *See*—
General Food Products Co.
Safeway Stores, Incorporated.
Safeway Stores, Inc., of Nevada.

Glenwood Range Company: *See*—
Weir Stove Company.

Globe Shirts & Overall Co., Abingdon, by Protexall, Inc., Galesburg, Ill. Overalls. 113,505, Oct. 17, 1916. Republished Nov. 23. Class 39.

Goetze, Herman, New York, N. Clacker toy. 441,369, Nov. 23; Serial No. 490,116, published July 13, 1948. Class 22.

Goldberg, Leo A., doing business as Indian Varnish Company, by Great Lakes Varnish Works, Inc., Chicago, Ill. Ready mixed varnish, furniture polish; dry, ready mixed and paste paints, etc. 224,154, Feb. 22, 1927. Republished Nov. 23. Class 16.

Golden Gate Manufacturing Company: *See*—
Matignon, Edmond C.

Golden Nugget Sweets, to Golden Nugget Sweets Ltd., San Francisco, Calif. Fudge and nougat. 249,519, renewed Nov. 13, 1948. O. G. Nov. 23. Class 46.

Golden Nugget Sweets Ltd.: *See*—
Golden Nugget Sweets.

Goldman Co., The, Baltimore, Md. Ladies', misses' and children's dresses, overskirts, waists, etc. 504,110, Nov. 23; Serial No. 530,077, published Aug. 10, 1948. Class 39.

Goodrich, B. F., Company, The: *See*—
Hood Rubber Company.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Solid and pneumatic rubber vehicle-tires. 72,867, re-renewed Mar. 2, 1949. O. G. Nov. 23. Class 35.

Gorse, Peter, South Heights, Pa. Hair and scalp tonic. 387,020, Apr. 29, 1941. Republished Nov. 23. Class 6.

Grabosky Bros., Inc., Philadelphia, Pa. Cigars. 404,448–9, Nov. 23, 1943. Republished Nov. 23. Class 17.

Gray & Dudley Company, Nashville, Tenn. Cooking and heating stoves and furnaces. 504,147–8, Nov. 23; Serial Nos. 534,108–9, published Aug. 17, 1948. Class 34.

Great American Tea Company, The, New York, N. Y. Hair lotion and a liquid massaging preparation. 504,227, Nov. 23; Serial No. 550,913, published Aug. 24, 1948. Class 6.

Great American Tea Company, The, New York, N. Y. Antiseptic mouth wash. 504,228, Nov. 23; Serial No. 550,916, published Aug. 24, 1948. Class 6.

Great American Tea Company, The, New York, N. Y. Liquid cough preparation. 504,229, Nov. 23; Serial No. 550,919, published Aug. 24, 1948. Class 6.

Great American Tea Company, The, New York, N. Y. Liquid starch, laundry starch, perfumed starch, etc. 504,230, Nov. 23; Serial No. 551,007, published Aug. 24, 1948. Class 6.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Fish, Quick frozen. 504,121, Nov. 23; Serial No. 532,019, published Aug. 17, 1948. Class 46.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Candy. 504,247, Nov. 23; Serial No. 527,383. Class 46.

Great Bear Spring Company, New York, N. Y. Table water. 220,932, Nov. 16, 1926. Republished Nov. 23. Class 45.

Great Bear Spring Company, New York, N. Y. Ginger ale. 226,470, Apr. 12, 1927. Republished Nov. 23. Class 45.

Great Lakes Varnish Works, Inc.: *See*—
Goldberg, Leo A.

Great Lakes Varnish Works, Inc., Chicago, Ill. Oil stains. 203,246, Sept. 15, 1925. Republished Nov. 23. Class 16.

Great Lakes Varnish Works, Inc., Chicago, Ill. White enamel undercoating. 203,248, Sept. 15, 1925. Republished Nov. 23. Class 16.

Great Lakes Varnish Works, Inc., Chicago, Ill. Varnishes. 210,484, Mar. 16, 1926. Republished Nov. 23. Class 16.

Great Lakes Varnish Works, Inc., Chicago, Ill. Paint enamel. 212,194, Apr. 27, 1926. Republished Nov. 23. Class 16.

Great Lakes Varnish Works, Inc., Chicago, Ill. Paint enamels. 212,323, Apr. 27, 1926. Republished Nov. 23. Class 16.

Great Lakes Varnish Works, Inc., Chicago, Ill. Linoleum lacquer. 416,973, Oct. 9, 1945. Republished Nov. 23. Class 16.

Gre-Cord Rubber Company, Lima, Ohio. Soles and heels. 504,169, Nov. 23; Serial No. 535,523, published Aug. 17, 1948. Class 39.

Green Bay Canning Corporation, Green Bay, Wis. Canned vegetable. 504,049, Nov. 23; Serial No. 499,549, published Aug. 17, 1948. Class 46.

Greenlee Bros. & Co., Rockford, Ill. Augers, auger bits, car bits, etc. 224,194, Feb. 22, 1927. Republished Nov. 23. Class 23.

Greif, L., & Bro., Inc.: *See*—
Seinsheimer, H. A., Company, The.

Greif, L., & Bro., Inc., Baltimore, Md. Top coats, overcoats, coats, etc. 336,188, June 30, 1936. Republished Nov. 23. Class 39.

Greif, L., & Bro., Inc., Baltimore, Md. Top coats and overcoats. 336,279, June 30, 1936. Republished Nov. 23. Class 39.

Greif, L., & Bro., Inc., Baltimore, Md. Men's suits, topcoats, overcoats, etc. 369,591, Aug. 1, 1939. Republished Nov. 23. Class 39.

Grosvenor, C. A., Shoe Company, Worcester, Mass. House slippers. 504,127, Nov. 23; Serial No. 532,420, published Aug. 10, 1948. Class 39.

Guthell, Oscar H., Columbus, Ohio. Playing cards. 441,384, Nov. 23; Serial No. 502,821, published Aug. 17, 1948. Class 22.

Gutmann & Company, Chicago, Ill. Tanned leather. 71,506, re-renewed Dec. 1, 1948. O. G. Nov. 23. Class 1.

Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Vitamins, iron for use as a dietary supplement, iodine, etc. 504,190, Nov. 23; Serial No. 540,408, published Aug. 17, 1948. Class 6.

H-O Chemical Company: *See*—
Beggs, Annabell H.

H. & S. Company: *See*—
Szyperski, Frank.

Haas Brothers, San Francisco, Calif. Canned peaches, canned corn, canned beans, etc. 111,456, July 18, 1916. Republished Nov. 23. Class 46.

Haas Brothers, San Francisco, Calif. Canned fruits, canned vegetables, and canned fish. 188,164, Aug. 19, 1924. Republished Nov. 23. Class 46.

Haas Brothers, San Francisco, Calif. Canned fruits and canned vegetables. 195,407, Feb. 24, 1925. Republished Nov. 23. Class 46.

Hall-Smith Co., Seattle, Wash. Game scoring boards. 504,177, Nov. 23; Serial No. 536,893, published July 27, 1948. Class 22.

Hammett, A. B., Inc., by R. J. Meeker, Los Angeles, Calif. Women's, misses', and children's girdles, panty girdles, corsets, etc. 395,245, May 19, 1942. Republished Nov. 23. Class 39.

Handal, Victor B., & Bro., Inc., New York, N. Y. Handkerchiefs and bandannas. 504,159, Nov. 23; Serial No. 534,776, published Aug. 31, 1948. Class 39.

Handman, Maurice, doing business as Maurella Products Co., New York, N. Y. Hair shampoos, hair tonics, hair oils, etc. 504,224, Nov. 23; Serial No. 550,505, published Aug. 17, 1948. Class 6.

Hanley, James, Brewing Company, The, by The James Hanley Company, Providence, R. I. Ale and porter. 106,432–3, Oct. 19, 1915. Republished Nov. 23. Class 48.

Hanley, James, Brewing Company, The, by The James Hanley Company, Providence, R. I. Ale and porter. 106,455, Oct. 19, 1915. Republished Nov. 23. Class 48.

Hanley, James, Company, The: *See*—
Hanley, James, Brewing Company, The.

Harris, Alvin, doing business as Harris Neckwear Co., Baltimore, Md. Neckties. 504,131, Nov. 23; Serial No. 532,703, published Aug. 31, 1948. Class 39.

Harris Neckwear Co.: *See*—
Harris, Alvin.

Harris, P. E., & Co.: *See*—
Alaska Consolidated Canneries, Inc.
Hawk Fish Company.
Sanborn, Geo. W., & Sons.
Thlinket Packing Corporation.

Harris, P. E., & Co., Seattle, Wash. Canned fruits, canned vegetables and canned fish. 218,465, Sept. 28, 1926. Republished Nov. 23. Class 46.

Harris, P. E. & Co., Seattle, Wash. Canned fish. 255,737, Apr. 30, 1929. Republished Nov. 23. Class 46.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 441,424, Nov. 23; Serial No. 522,214, published Aug. 10, 1948. Class 39.

Hawk Fish Company, by P. E. Harris & Co., Seattle, Wash. Canned salmon. 82,980, Aug. 8, 1911. Republished No. 23. Class 46.

Hawk Fish Company, by P. E. Harris & Co., Seattle, Wash. Canned salmon. 85,746, Mar. 12, 1912. Republished No. 23. Class 46.

Hawk Fish Company, by P. E. Harris & Co., Seattle, Wash. Canned salmon. 104,119, May 4, 1915. Republished Nov. 23. Class 46.

Heald Machine Company, The, Worcester, Mass. Precision grinding machines. 248,760, renewed Oct. 30, 1948. O. G. Nov. 23. Class 23.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. 504,070, Nov. 23; Serial No. 520,507, published Aug. 17, 1948. Class 22.

Heddon's, James, Sons, Dowagiac, Mich. Fishing rods. 504,149, Nov. 23; Serial No. 534,123, published July 27, 1948. Class 22.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. 504,150, Nov. 23; Serial No. 534,126, published July 20, 1948. Class 22.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures, fishing rods, and fishing reels. 504,151, Nov. 23; Serial No. 534,138, published July 13, 1948. Class 22.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. 504,152, Nov. 23; Serial No. 534,139, published July 20, 1948. Class 22.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures, fishing rods, and fishing reels. 504,153, Nov. 23; Serial No. 534,140, published July 20, 1948. Class 22.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. 504,154, Nov. 23; Serial No. 534,142, published July 20, 1948. Class 22.

Heileman, G., Brewing Co., by G. Heileman Brewing Co., La Crosse, Wis. Beer. 63,492, June 25, 1907. Republished Nov. 23. Class 48.

Heileman, G., Brewing Co., by G. Heileman Brewing Co., La Crosse, Wis. Beer. 99,008, Aug. 18, 1914. Republished Nov. 23. Class 48.

Heileman, G., Brewing Co., La Crosse, Wis. Beer. 319,501, Nov. 27, 1934. Republished Nov. 23. Class 48.

Heileman, G., Brewing Co., La Crosse, Wis. Beer. 381,905, Oct. 15, 1940. Republished Nov. 23. Class 48.

Henkel-Clauss Co., The, Fremont, Ohio. Manicure, pedicure, and surgical implements. 136,456, Nov. 2, 1920. Republished Nov. 23. Class 44.

Henkel-Clauss Company, The, Fremont, Ohio. Cuticle scissors, manicure implements, nail files, etc. 331,421, Jan. 7, 1936. Republished Nov. 23. Class 44.

Henkel-Clauss Company, The, Fremont, Ohio. Manicure kits. 372,685, Nov. 7, 1939. Republished Nov. 23. Class 44.

Henkel-Clauss Company, The, Fremont, Ohio. Nail polish, nail polish remover, and cuticle remover. 372,902, Nov. 21, 1939. Republished Nov. 23. Class 6.

Henkel-Clauss Company, The, Fremont, Ohio. Flower-holding shears. 392,480, Dec. 30, 1941. Republished No. 23. Class 23.

Hercules Filter Corporation, Paterson, N. J. Mechanical filters. 411,365, Nov. 23; Serial No. 475,754, published Aug. 17, 1948. Class 31.

Hex Chili Manufacturing Co.: *See*—
Hoeck, Frederick T.

Hickmott, William J., Jr., doing business as The Vantage Corporation, West Hartford, Conn. Combined cleansing powder and insecticide for domestic animals. 504,254, Nov. 23; Serial No. 547,851. Class 6.

Hoeck, Frederick T., doing business as Hex Chili Manufacturing Co., Kansas City, Mo. Chili. 441,364, Nov. 23; Serial No. 467,972, published Aug. 13, 1948. Class 46.

Holeproof Hosiery Co., Milwaukee, Wis. Hosiery. 253,714, renewed Mar. 5, 1949. O. G. Nov. 23. Class 39.

Hollins, William, & Company, Inc., Forestdale, R. I., and New York, N. Y. Piece goods. 373,069, Nov. 21, 1939. Republished Nov. 23. Class 42.

Holzapfel's Compositions Company, Limited, Newcastle-Upon-Tyne, England, by International Paint Company, Inc., New York, N. Y. Paints, mixed paints and enamels. 58,489, Dec. 18, 1906. Republished Nov. 23. Class 16.

Home Needs Co.: *See*—
Safeway Stores, Inc.

Hood Chemical Co., Inc., Pittsburgh, Pa. Laundry sour in crystal form. 504,209, Nov. 23; Serial No. 543,450, published Aug. 17, 1948. Class 6.

Hood Chemical Co., Inc., Pittsburgh, Pa. Alkali neutralizer in the nature of a laundry sour. 504,210, Nov. 23; Serial No. 543,451, published Aug. 17, 1948. Class 6.

Hood Rubber Company, Boston, Mass., to The B. F. Goodrich Company, Akron, Ohio. Rubber boots and shoes. 71,300, re-renewed Nov. 17, 1948. O. G. Nov. 23. Class 39.

Hood Rubber Company, Watertown, Mass., to The B. F. Goodrich Company, Akron, Ohio. Rubber boots and shoes, rubber overshoes, rubber-sole canvas shoes. 249,410, renewed Nov. 13, 1948. O. G. Nov. 23. Class 39.

Hood Rubber Company, Watertown, Mass., to The B. F. Goodrich Company, Akron, Ohio. Rubber boots and shoes, rubber overshoes, rubber-soled canvas shoes. 249,729, renewed Nov. 20, 1948. O. G. Nov. 23. Class 39.

Hoover Hosiery Company: *See*—
Rice–Stix Dry Goods Co.

Hoover Hosiery Company, Concord, N. C. Ladies' and men's hosiery. 149,114, Dec. 6, 1921. Republished Nov. 23. Class 39.

Howdy Company, The, to The Seven Up Company, St. Louis, Mo. Carbonated, nonalcoholic, noncereal, maltless beverages. 252,350, renewed Feb. 5, 1949. O. G. Nov. 23. Class 45.

Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Carbon black. 504,158, Nov. 23; Serial No. 534,629, published Aug. 10, 1948. Class 1.

Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 186,925, July 22, 1924. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Men's hats. 188,086, Aug. 19, 1924. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Coats, vests, trousers, etc. 198,156, May 5, 1925. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 219,852, Oct. 26, 1926. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Men's suits and overcoats. 220,311, Nov. 9, 1926. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Outer clothing. 256,132–3, May 7, 1929. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Outer clothing. 256,182, May 7, 1929. Republished Nov 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 256,183, May 7, 1929. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Outer clothing. 257,222, June 4, 1929. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 260,051, Aug. 13, 1929. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Men's hats. 260,208, Aug. 20, 1929. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Boys' hosiery. 268,454, Mar. 18, 1930. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Women's hosiery. 269,360, Apr. 1, 1930. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 269,480, Apr. 8, 1930. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Girls' hosiery. 269,636, Apr. 15, 1930. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Corsets. 355,126, Mar. 8, 1938. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Men's dress, negligee, and sport shirts. 355,603, Mar. 22, 1938. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Men's suits, topcoats and overcoats. 360,845, Sept. 27, 1938. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Band and orchestra musical instruments. 361,841, Nov. 1, 1938. Republished Nov. 23. Class 36.

Hudson, J. L., Company, The, Detroit, Mich. Shoes. 363,975, Jan. 17, 1939. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Men's and young men's topcoats and overcoats. 365,111, Feb. 21, 1939. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Men's suits. 372,011, Oct. 17, 1939. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Men's overcoats. 375,291, Feb. 13, 1940. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Women's and misses' spring and summer coats. 384,856, Feb. 4, 1941. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Misses' and women's raincoats. 385,016, Feb. 11, 1941. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Men's dress, negligee, and sport shirts. 386,769, Apr. 22, 1941. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Women's shoes. 392,819, Jan. 13, 1942. Republished Nov. 23. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Men's and young men's outer clothing. 407,260, May 23, 1944. Republished Nov. 23. Class 39.

Huntington Laboratories, Inc., Huntington, Ind. Chlorinated hydrocarbon fumigant. 504,071, Nov. 23; Serial No. 520,705, published Aug. 24, 1948. Class 6.

Hutchison Engineering Works: *See*—
Hutchison, Frank E.

Hutchison, Frank E., doing business as Hutchison Engineering Works, Chicago, Ill., to Frank E. Hutchison, doing business as Hutchison Engineering Works, Houston, Tex. Unitary electric-lighting plants, electric flood lights, and electric lantern. 243,144, renewed June 12, 1948. O. G. Nov. 23. Class 21.

Huth-James Shoe, Inc., Waupun, Wis. Shoes. 504,129, Nov. 23; Serial No. 532,594, published Aug. 17, 1948. Class 39.

Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. 504,057, Nov. 23; Serial No. 511,997, published June 22, 1948. Class 22.

Imperial Crown Toy Corp., Brooklyn, N. Y. Dolls. 441,433, Nov. 23; Serial No. 526,232, published July 6, 1948. Class 22.

Indian Varnish Company: *See*—
Goldberg, Leo A.

Industrial Synthetics Corporation, Irvington, N. J. Suspenders, men's and women's garment belts, shoes, etc. 441,376, Nov. 23; Serial No. 497,935, published Aug. 24, 1948. Class 39.

Industrial Undergarment Corporation, Poughkeepsie and New York, N. Y., now by change of name to Stardust Incorporated, by Stardust, Incorporated, New York, N. Y. Ladies' and misses' blouses. 424,294, Oct. 1, 1946. Republished Nov. 23. Class 39.

Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Advertising signs. 78,975, July 26, 1910. Republished Nov. 23. Class 50.

Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Enameled metal table and cabinet tops. 108,166, Jan. 18, 1916. Republished Nov. 23. Class 32.

Insto-Gas Corporation, Detroit, Mich. Gas torches and plumbers' furnaces. 397,160, Aug. 25, 1942. Republished Nov. 23. Class 34.

International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. 504,160, Nov. 23; Serial No. 535,039, published Aug. 17, 1948. Class 44.

International Paint Company, Inc.: *See*—
Holzapfel's Compositions Company, Limited.
International Paint & Compositions Company, Limited, The.

International Paint Company, Inc., New York, N. Y. Deck paints in ready mixed form. 393,536, Feb. 17, 1942. Republished Nov. 23. Class 16.

International Paint & Compositions Company, Limited, The, London, England, by International Paint Company, Inc., New York, N. Y. Ready-mixed paints. 252,377, Feb. 5, 1929. Republished Nov. 23. Class 16.

Interstate Bakeries Corporation: *See*—
Kern, Peter Company, Inc.

Italy Laboratories: *See*—
Martino, Antonino R.

Italy Laboratories, Inc.: *See*—
Martino, Antonino R.

Jackson Brewing Company, New Orleans, La. Malt syrup. 252,538, Feb. 12, 1929. Republished Nov. 23. Class 46.

Jackson Brewing Company, New Orleans, La. Nonalcoholic, non-cereal, maltless, beverages and syrups. 262,858, Oct. 29, 1929. Republished Nov. 23. Class 45.

Jaekli, A., Fabrics, Inc., New York, N. Y. Fishing line. 504,073, Nov. 23; Serial No. 521,189, published Aug. 3, 1948. Class 22.

Jaques Manufacturing Company, Chicago, Ill. Baking powder. 205,174–6, Nov. 3, 1925. Republished Nov. 23. Class 46.

Jaques Manufacturing Company, Chicago, Ill. Baking powder. 297,070, Aug. 30, 1932. Republished Nov. 23. Class 46.

Jefferson Lake Sulphur Company, Inc., Houston, Tex. Carbon black. 504,072, Nov. 23; Serial No. 520,814, published Aug. 24, 1948. Class 1.

Jell-Well Dessert Company, Los Angeles, by Safeway Stores, Incorporated, Oakland, Calif. Food products. 278,647, Dec. 23, 1930. Republished Nov. 23. Class 46.

Jenny Lee, Minneapolis, Minn. Dresses, gowns, suits, etc. 504,165, Nov. 23; Serial No. 535,246, published Aug. 10, 1948. Class 39.

Joyce, Inc., Pasadena, Calif. Footwear. 504,118, Nov. 23; Serial No. 531,680, published Aug. 10, 1948. Class 39.

K K K Medicine Company, Keokuk, Iowa. Face creams and powders, cold cream, etc. 504,104, Nov. 23; Serial No. 529,470, published July 27, 1948. Class 6.

Kahn Tailoring Company, Indianapolis, Ind. Men's outer wearing apparel. 253,667, renewed Mar. 5, 1949. O. G. Nov. 23. Class 39.

Kalak Water Co., of New York, Inc., New York, N. Y. Artificially-prepared alkaline water. 252,750, renewed Feb. 12, 1949. O. G. Nov. 23. Class 6.

Kalak Water Co., of New York, Inc., New York, N. Y. Artificially-prepared alkaline water. 504,178, Nov. 23; Serial No. 537,046, published Aug. 3, 1948. Class 6.

Kaneff, Morris, doing business as Mayfair Leather Sportswear, Philadelphia, Pa. Footballs, basketballs, and fielder's gloves. 441,394, Nov. 23; Serial No. 506,452, published July 13, 1948. Class 22.

Kaylon Incorporated, New York, N. Y. Pajamas, pajama coats, beach coats, etc. 504,172, Nov. 23; Serial No. 536,531, published Aug. 31, 1948. Class 39.

Kellogg Corset Company, Jackson, Mich. Corsets, girdles, full foundation garments, etc. 504,115, Nov. 23; Serial No. 530,829, published Aug. 17, 1948. Class 39.

Kellogg Products Inc., Buffalo, N. Y., by The Capital City Products Company, Columbus, Ohio. Nut butter and margarine, cooking fats, salad oils. 121,786, May 28, 1918. Republished Nov. 23. Class 46.

Kendall, Samuel W., doing business as The Vitalife Company, Muscle Shoals City, Ala. Chemical composition in granular or tablet form. 504,218, Nov. 23; Serial No. 545,004, published Aug. 24, 1948. Class 6.

Kern, Peter Company, Inc., to Interstate Bakeries Corporation, Kansas City, Mo. Fruit cakes. 97,621, June 16, 1914. New certificate. O. G. Nov. 23. Class 46.

Kessler, William B., Inc., Hammonton, N. J. Men's clothing. 504,122, Nov. 23; Serial No. 532,029, published Aug. 31, 1948. Class 39.

Kidd, Ellen G., by Pin Money Brands, Incorporated, Richmond, Va. Pickles. 70,379, Aug. 25, 1908. Republished Nov. 23. Class 46.

Kleckhefer Container Company, Camden, N. J. Shipping containers. 504,055, Nov. 23; Serial No. 511,226, published Aug. 24, 1948. Class 2.

King Manufacturing Corporation, Buffalo, N. Y., by King Quality Products Co., St. Louis, Mo. Automotive parts. 244,575, July 24, 1928. Republished Nov. 23. Class 13.

King Milling Co., The, Lowell, Mich. Wheat flour. 83,499, Sept. 19, 1911. Republished Nov. 23. Class 46.

King Milling Co., The, Lowell, Mich. Wheat flour. 84,974, Jan. 16, 1912. Republished Nov. 23. Class 46.

King Quality Products Co.: *See*—
King Manufacturing Corporation.
King Quality Products Inc.

King Quality Products Inc., Buffalo, N. Y., by King Quality Products Co., St. Louis, Mo. Automotive parts. 244,588, July 24, 1928. Republished Nov. 23. Class 23.

Kingan & Co. Incorporated: *See*—
Kingan and Company, Limited.

Kingan and Company, Limited, Belfast, Ireland, Indianapolis, Ind., Baltimore, Md., and Richmond, Va., to Kingan & Co. Incorporated, Indianapolis, Ind. Bacon. 71,667, re-renewed Dec. 8, 1948. O. G. Nov. 23. Class 46.

Kinney and Company: *See*—
Kinney, H. W., and Sons, Inc.

Kinney, H. W., and Sons, Inc., assignor to H. S. and W. R. Kinney, a co-partnership, doing business as Kinney and Company, Columbus, Ind. Vitamin preparation. 504,060, Nov. 23; Serial No. 513,514. Class 6.

Kinney, Harry S., assignee: *See*—
Kinney, H. W., and Sons, Inc.

Kinney, Wallis R., assignee: *See*—
Kinney, H. W., and Sons, Inc.

Knothe Brothers Co. Inc., New York, N. Y. Pajamas. 504,100, Nov. 23; Serial No. 529,170, published Apr. 6, 1948. Class 39.

Kramer Brandeis, Inc., New York, N. Y. Men's hosiery, four-in-hands and bow ties, men's mufflers and cravats, etc. 504,124, Nov. 23; Serial No. 532,267, published Aug. 31, 1948. Class 39.

Kramer Trenton Company, Trenton, N. J. Refrigerating apparatus embodying self-defrosting means. 441,372, Nov. 23; Serial No. 493,366, published Aug. 10, 1948. Class 31.

Krauss-Feis-Metzger Company, New York, N. Y. Underwear. 504,202, Nov. 23; Serial No. 542,955, published Aug. 10, 1948. Class 39.

Krout & Fite Manufacturing Company, Philadelphia, Pa. Tapes and bindings. 73,108, re-renewed Mar. 16, 1949. O. G. Nov. 23. Class 40.

Kux, Andrew, doing business as Occidental Electric Company, Nogales, Ariz. Refrigerated show cases. 441,426, Nov. 23; Serial No. 522,741, published Aug. 17, 1948. Class 31.

L'Aiglon Apparel, Inc.: *See*—
Biberman Brothers.

Lakeland Nurseries, Faribault, Minn. Nursery stocks. 504,135, Nov. 23; Serial No. 532,983, published Aug. 24, 1948. Class 1.

Lange, Anthony C., Milwaukee, Wis. Portable outdoor barbecuing stand. 504,248, Nov. 23; Serial No. 528,935. Class 34.

Lauresta Modes, Inc., New York, N. Y. Women's and misses' outer wear apparel. 441,423, Nov. 23; Serial No. 521,952, published Aug. 17, 1948. Class 39.

La Verne Orange Association, La Verne, Calif. Fresh citrus fruits. 504,191, Nov. 23; Serial No. 540,832, published Apr. 6, 1948. Class 46.

Lenel Company: *See*—
Rothchild, Lionel G.

Le Pages, Inc.: *See*—
Russia Cement Company.

Leprince, Maurice, Bourges, to Societe a Responsibilite Limitee Laboratoires du Docteur Maurice Leprince, Paris, France. Pills. 21,926, re-renewed Nov. 1, 1942. O. G. Nov. 23. Class 6.

Leroux and Company, Inc., Philadelphia, Pa. Whiskey, gin, brandy, etc. 317,938, Oct. 9, 1934. Republished Nov. 23. Class 49.

Leroux and Company, Inc., Philadelphia, Pa. Alcoholic rum style beverage. 317,942, Oct. 9, 1934. Republished Nov. 23. Class 49.

Lester and Wasley Co., Inc, The, Norwich, Conn. Deckling and beveling machines, paper-drinking-cup-making machines, etc. 247,777, renewed Oct. 2, 1948. O. G. Nov. 23. Class 23.

Lewis & Locke, Inc., New York, N. Y. Gloves. 504,213–14, Nov. 23; Serial No. 543,942–3, published Aug. 17, 1948. Class 39.

Linen Guild, Inc., New York, N. Y. Bedspreads and drapery, upholstery and slipcover fabrics made of cotton, rayon, and linen fabrics, and sold in the piece. 504,252, Nov. 23; Serial No. 533,459. Class 42.

Lionel Corporation, The, New York, N. Y. Animal pull toys, toy animals, toy wagons, etc. 441,366, Nov. 23; Serial No. 480,293, published July 27, 1948. Class 22.

Little Farms: *See*—
Ramage, Cy.

Loeser, Frederick, & Co., Inc., Brooklyn, N. Y. Hosiery, flat and knit underwear, and fabric and skin gloves. 234,990, Nov. 8, 1927. Republished Nov. 23. Class 39.

Loeser, Julius, & Co., Inc., Chicago, Ill. Whiskey. 373,228, Nov. 28, 1939. Republished Nov. 23. Class 49.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 110,051, May 2, 1916. Republished Nov. 23. Class 4.

Los Angeles Soap Company, Los Angeles, Calif. Soaps. 145,133, July 26, 1921. Republished Nov. 23. Class 4.

Los Angeles Soap Company, Los Angeles, Calif. Toilet soap. 151,852, Feb. 14, 1922. Republished Nov. 23. Class 4.

Los Angeles Soap Company, Los Angeles, Calif. Washing machine soap. 152,864, Mar. 7, 1922. Republished Nov. 23. Class 4.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 207,464, Jan. 5, 1926. Republished Nov. 23. Class 4.

Los Angeles Soap Company, Los Angeles, Calif. Cleansing cream, tissue cream, face lotion, etc. 341,946, Dec. 29, 1936. Republished Nov. 23. Class 6.

Los Angeles Soap Company, Los Angeles, Calif. Toilet soap. 344,258, Mar. 16, 1937. Republished Nov. 23. Class 4.

Lowell Lingerie Company, Lowell, Mass. Slips for women, misses, and girls. 427,149, Jan. 28, 1947. Republished Nov. 23. Class 39.

Lucerne Cream and Butter Co.: *See*—
Lucerne Cream and Butter Company, The.

Lucerne Cream and Butter Company: *See*—
Lucerne Cream and Butter Company, The.

Lucerne Cream and Butter Company, The, also doing business as Lucerne Cream and Butter Co., Vernon, by Safeway Stores, Incorporated, Oakland, Calif. Ice cream and sherbet. 368,355, June 13, 1939. Republished Nov. 23. Class 46.

Lucerne Cream and Butter Company, The, by Safeway Stores, Incorporated, Oakland, Calif. Eggs. 370,056, Aug. 15, 1939. Republished Nov. 23. Class 46.

Lucerne Cream and Butter Company, The, also doing business as Lucerne Cream and Butter Company, by Safeway Stores, Incorporated, Oakland, Calif. Eggs. 370,064, Aug. 15, 1939. Republished Nov. 23. Class 46.

Ludington-Griswold, Inc., Saybrook, Conn. Toy aircraft. 441,402, Nov. 23; Serial No. 510,849, published Aug. 17, 1948. Class 22.

Maico Company, The, Incorporated, Minneapolis, Minn. Invisible ear molds for hearing aids. 504,081, Nov. 23; Serial No. 526,621, published Aug. 17, 1948. Class 44.

Mallinckrodt Chemical Works, St. Louis, Mo. Acetaldehyde, acetanilid, acetic anhydride, etc. 359,706, Aug. 30, 1938. Republished Nov. 23. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Alkanolamine carbonate polymers. 504,085, Nov. 23; Serial No. 526,906, published Aug. 3, 1948. Class 6.

Manganese Bronze & Brass Co. Ltd., The, London, England. Metallic alloys. 69,043, re-renewed May 19, 1948. O. G. Nov. 23. Class 14.

Manganese Bronze & Brass Co. Ltd., The, London, England. Antifriction alloys. 69,044, re-renewed May 19, 1948. O. G. Nov. 23. Class 14.

Manganese Bronze & Brass Co. Ltd., The, London, England. Metallic alloys. 69,067, re-renewed May 19, 1948. O. G. Nov. 23. Class 14.

Manhan Potato Chip Co.: *See*—
Drondoski, Edward W.

Manhan Potato Chip Co., Inc.: *See*—
Drondoski, Edward W.

Manning Mfg. Co., Rutland, Vt. Lubricating oil and gasoline. 373,746, Dec. 19, 1939. Republished Nov. 23. Class 15.

Marblehead Lime Company, Chicago, Ill. Mineral supplement. 419,737, Mar. 5, 1946. Republished Nov. 23. Class 6.

Markovitx Brothers, Incorporated, Philadelphia, Pa. Outershirts and underwear. 504,141, Nov. 23; Serial No. 533,483, published Aug. 24, 1948. Class 39.

Markovitx Brothers, Incorporated, Philadelphia, Pa. Hosiery. 504,142, Nov. 23; Serial No. 533,484, published Aug. 24, 1948. Class 39.

Martin Cantine Company, The, Saugerties, N. Y. Clay coated paper. 301,233, Feb. 21, 1933. Republished Nov. 23. Class 37.

Martin Cantine Company, The, Saugerties, N. Y. Enameled book paper. 416,635, Sept. 25, 1945. Republished Nov. 23. Class 37.

Martin Cantine Company, The, Saugerties, N. Y. Enameled book paper. 418,867, Jan. 15, 1946. Republished Nov. 23. Class 37.

Martino, Antonino R., doing business as Italy Laboratories, by Italy Laboratories, Inc., New York, N. Y. Medicinal preparation. 230,629, Aug. 2, 1927. Republished Nov. 23. Class 6.

Master Metal Products, Inc., Buffalo, N. Y. Sink strainers. 247,220, renewed Sept. 25, 1948. O. G. Nov. 23. Class 13.

Master Rule Manufacturing Co., Inc., New York, N. Y. Measuring tapes and rules of steel and wood. 412,565, Mar. 13, 1945. Republished Nov. 23. Class 26.

Materials Handling Laboratories: *See*—
Cahners, Norman L.

Matignon, Edmond C., doing business as Golden Gate Manufacturing Company, Oakland, Calif. Prepared adhesive clay composition. 404,867, Dec. 28, 1943. Republished Nov. 23. Class 5.

Maurella Products Co.: *See*—
Handman, Maurice.

May, Jack, doing business as Sardeau, New York, N. Y. Perfume, lipsticks, rouge, etc. 441,367, Nov. 23; Serial No. 481,232, published July 16, 1946. Class 6.

Mayfair Leather Sportswear: *See*—
Kaneff, Morris.

McClellan Paper Company, Minneapolis, Minn., by Butler Paper Corporations, Chicago, Ill. Writing paper. 100,581, Oct. 20, 1914. Republished Nov. 23. Class 37.

McGovern & McGovern, by Monitor Fisheries, Inc., Seattle, Wash. Canned fish. 268,805, Mar. 18, 1930. Republished Nov. 23. Class 46.

McKay Products Corporation, The: *See*—
Belle Knitting Corp.
Blue Swan Mills Inc.

McKellips, C. H., Phoenix, Ariz. Fresh citrus fruits. 320,788, Jan. 8, 1935. Republished Nov. 23. Class 46.

Meeker, Roy J.: *See*—
Hammett, A. B. Inc.

Meeker, Roy J., Los Angeles, Calif. Women's, misses', and children's girdles, panty girdles, corsets, etc. 407,482, June 6, 1944. Republished Nov. 23. Class 39.

Mercury Aircraft, Inc., Hammondsport, N. Y. Buses. 504,126, Nov. 23; Serial No. 532,316, published Aug. 17, 1948. Class 19.

Metafiltration Company Limited, The, Hounslow, England. Fluid filters. 441,377, Nov. 23; Serial No. 499,908, published Aug. 17, 1948. Class 31.

Metal Arts Company, The, Pasadena, Calif. Toy wagons. 441,370, Nov. 23; Serial No. 490,440, published July 27, 1948. Class 22.

Michaels, Stern & Company, by Michaels, Stern & Company, Incorporated, Rochester, N. Y. Men's and boys' suits and overcoats. 158,023, Aug. 22, 1922. Republished Nov. 23. Class 39.

Michaels, Stern & Company, Incorporated: *See*—
Michaels, Stern & Company.

Mille Lacs Lake Spinner Co., Isle, Minn. Fishing tackles. 504,238, Nov. 23; Serial No. 500,996. Class 22.

Millward, Henry, & Sons Limited, Redditch, to Needle Industries Limited, Birmingham and Studley, Redditch, England. Fishing tackle. 246,567–8, renewed Sept. 11, 1948. O. G. Nov. 23. Class 22.

Miner-Hilliard Milling Company: *See*—
Penn Paste Milling Company.

Miner-Hilliard Milling Company, Wilkes-Barre, Pa. Breakfast food. 203,048, Sept. 8, 1925. Republished Nov. 23. Class 46.

Miner-Hillard Milling Company, Wilkes-Barre, Pa. Dry paper hanger's paste and paper hanger's wall size. 291,283, Feb. 9, 1932. Republished Nov. 23. Class 5.

Mineralized Foods, Inc., Baltimore, Md. Candy. 504,246, Nov. 23; Serial No. 521,456. Class 46.

Minneapolis Show Case and Fixture Co., Minneapolis, Minn. Refrigerator display cases. 504,106, Nov. 23; Serial No. 529,792, published Aug. 17, 1948. Class 31.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Footwear made of rubber and of combinations. 504,111, Nov. 23; Serial No. 530,100, published Aug. 10, 1948. Class 39.

Modern Products, Inc., of America, Milwaukee, Wis. Blend of papaya and peppermint leaves used as a tea substitute. 441,390, Nov. 23; Serial No. 504,990, published Aug. 17, 1948. Class 46.

Modern Style Products Manufacturing Company: *See*—
Peters, William J.

Modoc Orchard Co., Medford, Oreg. Fresh pears. 393,154, Jan. 27, 1942. Republished Nov. 23. Class 46.

Modoc Orchard Co., Medford, Oreg. Fresh pears. 398,913, Dec. 1, 1942. Republished Nov. 23. Class 46.

Molinard: *See*—
Benard & Honnorat.

Monitor Fisheries, Inc.: *See*—
McGovern & McGovern.

Morse, Irving A., doing business as Morse Laboratories, New York, N. Y. Medicinal tablet. 441,408, Nov. 23; Serial No. 514,835. published Aug. 3, 1948. Class 6.

Morse Laboratories: *See*—
Morse, Irving A.

Moxley, Wm. J., Inc., Chicago, Ill., by The Capital City Products Company, Columbus, Ohio. Oleomargarine. 137,837, Dec. 7, 1920. Republished Nov. 23. Class 46.

Munsingwear, Inc., Minneapolis, Minn. Women's nightgowns and pajamas. 441,405, Nov. 23; Serial No. 512,013, published Aug. 10, 1948. Class 39.

Muralo Company, The, New York, to The Muralo Company, Inc., Staten Island, New York, N. Y. Paint or coating material. 31,981, re-renewed Sept. 20, 1948. O. G. Nov. 23. Class 16.

Muralo Company, Inc., The: *See*—
Muralo Company, The.

Mustad, O., & Sön, Christiania, to O. Mustad & Sön, Oslo, Norway. Hand-sewing needles, toilet pins, and safety pins. 70,662, re-renewed Sept. 22, 1948. O. G. Nov. 23. Class 40.

Mustad, O., & Sön, Christiania, to O. Mustad & Sön, Oslo, Norway. Fish-hooks. 70,704, re-renewed Sept. 29, 1948. O. G. Nov. 23. Class 22.

Mutation Mink Breeders Association, Elkhorn, Wis. Mink fur coats. 441,368, Nov. 23; Serial No. 483,438, published June 25, 1946. Class 39.

Nakat Packing Corporation, New York, N. Y. Canned salmon. 504,092, Nov. 23; Serial No. 527,413, published Aug. 17, 1948. Class 46.

National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Coal-tar dyestuffs. 123,946, Dec. 24, 1918. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 136,548, Nov. 2, 1920. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 138,491, Dec. 28, 1920. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 139,008, Jan. 18, 1921. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 139,009, Jan. 18, 1921. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 139,010–13, Jan. 18, 1921. Republished Nov. 23, 1948. Class 6.

National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Food-colors. 143,107, May 24, 1921. Republished Nov. 23, 1948. Class 6.

National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs. 144,877, July 19, 1921. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs, intermediates, and certified food-colors. 145,985, Aug. 23, 1921. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Periodical. 148,172, Nov. 8, 1921. Republished Nov. 23. Class 38.

National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs, certified food colors and intermediates. 150,489, Jan. 3, 1922. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Dyes, dyestuffs, and colors. 151,553, Feb. 7, 1922. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Dyes, dyestuffs, and colors. 151,556–8, Feb. 7, 1922. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Dyes, dyestuffs, and dye colors. 287,316, Sept. 22, 1931. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs. 372,191, Oct. 24, 1939. Republished Nov. 23. Class 6.

National Aniline & Chemical Company, Inc., by Allied Chemical & Dye Corporation, New York, N. Y. Dyes, dyestuffs, and color in the nature of textile dyes. 389,011, July 22, 1941. Republished Nov. 23. Class 6.

National Gypsum Company, Buffalo, N. Y. Ground limestone employed in rock dusting coal mines. 441,398, Nov. 23; Serial No. 508,179, published Aug. 24, 1948. Class 1.

National Life and Accident Insurance Company, Nashville, Tenn. House organ. 228,050, May 24, 1927. Republished Nov. 23. Class 38.

Needle Industries Limited: *See*—
Millward, Henry, & Sons Limited.

New Process Company, Warren, Pa. Portable lockable file box for documents. 353,728, Jan. 18, 1938. Republished Nov. 23. Class 25.

New Process Company, Warren, Pa. Woolen piece goods. 363,306, Dec. 20, 1938. Republished Nov. 23. Class 42.

New Process Company, Warren, Pa. Men's outer garments. 363,446, Dec. 27, 1938. Republished Nov. 23. Class 39.

Newton, Carl D., doing business as The Fox Company, by The Fox Company, San Antonio, Tex. Photoprints and enlargements. 163,773, Jan. 30, 1923. Republished Nov. 23. Class 38.

Niven, Mack P., doing business as Carolina Manufacturing Company, Greenville, S. C. Handerchiefs. 504,253, Nov. 23; Serial No. 533,916. Class 39.

North American Fibre Products Company, The, Cleveland, Ohio. Liquid compound. 225,383, Mar. 15, 1927. Republished Nov. 23. Class 6.

North American Paint & Chemical Co. Ltd., by Old Colony Paint & Chemical Co., Los Angeles, Calif. Ready-mixed cold water and paste paints, dry paint colors, paint thinners, etc. 293,021, Apr. 5, 1932. Republished Nov. 23. Classes 16 and 12.

North American Provisions Company: *See*—
Armour and Company.

Norville, Miriam, Birmingham, Ala. Children's dresses. 504,179, Nov. 23; Serial No. 537,348, published Aug. 10, 1948. Class 39.

Nutria Peat Sales Company, Minneapolis, Minn. Peat for horticultural use. 504,133, Nov. 23; Serial No. 532,861, published Aug. 17, 1948. Class 1.

Occidental Electric Company: *See*—
Kux, Andrew.

Odin Stove Manufacturing Company, Erie, Pa. Gas heating and cooking stoves. 205,314–15, Nov. 3, 1925. Republished Nov. 23. Class 34.

Odin Stove Manufacturing Company, Erie, Pa. Gas stoves and ranges. 298,413, Oct. 24, 1932. Republished Nov. 23. Class 34.

Ohio Advertising Display Company, The, Cincinnati, Ohio. Electrically illuminated advertising display signs. 540,244–5, Nov. 23; Serial Nos. 518,848–9. Class 21.

Old Colony Paint & Chemical Co.: *See*—
North American Paint & Chemical Co. Ltd.

Old Colony Paint & Chemical Co., Los Angeles, Calif. Automotive paint finishes. 394,577, Apr. 14, 1942. Republished Nov. 23. Class 16.

Old Home Veterinary Remedies Company: *See*—
Simpson, Dorothy S.

Olympia Canning Company, Olimpia, Wash. Canned fruits and vegetables. 254,812, Apr. 2, 1929. Republished Nov. 23. Class 46.

Olympia Canning Company, Olympia, Wash. Canned vegetables. 261,362, Sept. 17, 1929. Republished Nov. 23. Class 46.

Oneida Community, Limited, by Oneida Ltd., Oneida, N. Y. Silverplated flat ware and silverplated tableware. 134,050, Aug. 10, 1920. Republished Nov. 23. Class 28.

Oneida Community, Limited, by Oneida Ltd., Oneida, N. Y. Silver-plated flat-ware, silver-plated table-ware and silver-plated cutlery. 171,329, Aug. 7, 1923. Republished Nov. 23. Class 28.

Oneida Community, Limited, by Oneida Ltd., Oneida, N. Y. Silver plated hollow and flat table ware. 316,341, Aug. 21, 1934. Republished Nov. 23. Class 28.

Oneida Ltd.: *See*—
Oneida Community, Limited.
Rogers, Wm. A., Limited.

Oppenheim, Collins & Co. Inc., New York, N. Y. Ladies' and misses' dresses. 240,598, Apr. 3, 1928. Republished Nov. 23. Class 39.

Oregon Nut Growers, Inc., by Oregon Nut Growers, Inc., (1940), Newberg, Oreg. Walnuts and filberts. 282,056, Apr. 7, 1931. Republished Nov. 23. Class 46.

Oregon Nut Growers, Inc., (1940): *See*—
Oregon Nut Growers, Inc.

Orex Laboratories, Inc., Toledo, Ohio. Preparations for oral hygiene. 441,416, Nov. 23; Serial No. 516,566, published Aug. 17, 1948. Class 6.

Osborn, C. J., Co., New York, N. Y. Chips and pastes. 335,286. June 2, 1936. Republished Nov. 23. Class 16.

Oviatt's, Los Angeles, Calif. Outer suits, flannel trousers, coats, etc. 504,076, Nov. 23; Serial No. 523,530, published Aug. 31, 1948. Class 39.

Pacific Dry Goods Co., The: *See*—
Sakai, Yukichi.
Pacific Knitting Mills, to Catalina, Inc., Los Angeles, Calif. Bathing suits. 236,068, renewed Jan. 5, 1948. O. G. Nov. 23. Class 39.
Padre Vineyard Company, Los Angeles, Calif. Brandy. 328,928, Oct. 8, 1935. Republished Nov. 23. Class 49.
Page Milk Co., The: *See*—
Page Milk Co.
Page Milk Co., to The Page Milk Co., Merrill, Wis. Canned evaporated milk. 249,958, renewed Nov. 27, 1948. O. G. Nov. 23. Class 46.
Palmer Candy Company: *See*—
Palmer Candy Co.
Palmer Candy Co., Sioux City, Iowa, by W. B. Palmer, Jr., co-trustee of the Estate of W. B. Palmer, deceased, doing business as Palmer Candy Company, Sioux City, Iowa. Candy. 238,721, Feb. 14, 1928. Republished Nov. 23. Class 46.
Palmer, W. B., co-trustee of the Estate of: *See*—
Palmer Candy Co.
Palmer, William B., Jr.: *See*—
Palmer Candy Co.
Park & Pollard Company, The, Buffalo, N. Y. Cattle feed. 211,430, Apr. 13, 1926. Republished Nov. 23. Class 46.
Parke, Davis & Company, Detroit, Mich. Vitamin preparations, analgesics, hypnotics, etc. 504,136, Nov. 23; Serial No. 533,046, published Aug. 17, 1948. Class 6.
Peacock, R. J., Canning Co., Lubec, Maine. Canned sardines. 504,069. Nov. 23; Serial No. 519,975, published Aug. 17, 1948. Class 46.
Penberthy Injector Company, to Penberthy Injector Company, Detroit, Mich. Steam-boiler injectors. 71,070, re-renewed Oct. 27, 1948. O. G. Nov. 23. Class 23.
Penn Paste Milling Company, by Miner-Hilliard Milling Company, Wilkes-Barre, Pa. Dry pastes. 197,748, Apr. 21, 1923. Republished Nov. 23. Class 5.
Peoples Drug Stores, Inc., also doing business as Shur-Fyre Products Company, Washington, D. C. Spirits for filling pocket, cigarette, and cigar lighters. 253,125, renewed Feb. 19, 1949. O. G. Nov. 23. Class 6.
Perfection Biscuit Company, Fort Wayne, Ind. Crackers. 256,682, May 21, 1929. Republished Nov. 23. Class 46.
Permutit Company, The, New York, N. Y. Activated carbon for general use in the industrial arts, etc. 504,145. Nov. 23; Serial No. 534,048, published Aug. 10, 1948. Class 1.
Perrine Quality Products Corporation, Waltham, Mass. Storage batteries and their parts. 309,361, Jan. 9, 1934. Republished Nov. 23. Class 21.
Perugia, André, Paris, France. Boots and shoes. 248,225, renewed Oct. 16, 1948. O. G. Nov. 23. Class 39.
Peters, William J., doing business as Modern Style Products Manufacturing Company, New York, N. Y. Rain-hats, hats, and hat covers. 441,432, Nov. 23; Serial No. 525,241, published Aug. 10, 1948. Class 39.
Petrie-Lewis Mfg. Co., Inc., New Haven, Conn. Magician's trick and magical effects apparatus. 441,395, Nov. 23; Serial No. 506,793, published Aug. 17, 1948. Class 22.
Phillips Ribbon & Carbon Co., Inc., Rochester, N. Y. Carbon paper and typewriter ribbon. 206,919–20, Dec. 15, 1925. Republished Nov. 23. Class 11.
Pickard, Incorporated, Antioch, Ill. Pottery and china articles. 504,103, Nov. 23; Serial No. 529,402, published Aug. 17, 1948. Class 30.
Pilling, George P., & Son Company, Philadelphia, Pa. Bronchoscopes. 504,056, Nov. 23; Serial No. 511,830, published Aug. 17, 1948. Class 44.
Pimlico Headwear Company, Baltimore, Md. Cloth, felt, silk, and plastic hats. 441,388, Nov. 23; Serial No. 504,581, published Aug. 24, 1948. Class 39.
Pin Money B ands, Inc.: *See*—
Kidd, Ellen G.
Pioneer Log Cabin Company, Inc., Pontiac, Mich. Cut logs toy building kits. 381,240, Sept. 17, 1940. Republished Nov. 23. Class 22.
Pioneer Log Cabin Company, Inc., Pontiac, Mich. Ready cut-logs for buildings. 386,747, Apr. 22, 1941. Republished Nov. 23. Class 12.
Pioneer Suspender Company, Philadelphia, Pa. Belts, garters, suspenders, braces, etc. 504,067, Nov. 23; Serial No. 518,968, published Aug. 10, 1948. Class 39.
Pioneer Suspender Company, Philadelphia, Pa. Belts, garters, suspenders, braces, etc. 504,068, Nov. 23; Serial No. 518,972, published Aug. 10, 1948. Class 39.
Piper Aircraft Corporation, Lock Haven, Pa. Airplanes. 364,479, Jan. 31, 1939. Republished Nov. 23. Class 19.
Pittsburg & Midway Coal Mining Co., The, Kansas City, Mo. Semianthracite coal. 504,117, Nov. 23; Serial No. 531,240, published Aug. 10, 1948. Class 1.
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y., to L. T. Piver, Inc., New York, N. Y. Perfume extracts. 253,507, renewed Feb. 26, 1949. O. G. Nov. 23. Class 6.
Poirette Corsets, Inc., New York, N. Y. Foundation garments, corsets, brassières, etc. 504,219, Nov. 23; Serial No. 546,925, published Aug. 31, 1948. Class 39.
Portis Style Industries, Inc., Chicago, Ill. Wearing apparel. 504,099, Nov. 23; Serial No. 529,085, published Aug. 10, 1948. Class 39.
Posvar, Edward J., doing business as Royal Oak Games Company, Royal Oak and Pleasant Ridge, Mich. Toy game. 441,378, Nov. 23; Serial No. 500,571, published July 27, 1948. Class 22.
Princess Peggy, Inc., Peoria, Ill. Ready-to-wear cotton dresses. 424,760, Oct. 22, 1946. Republished Nov. 23. Class 39.
Procter & Gamble Company, The, Cincinnati, Ohio. Hair-dressing. 504,235, Nov. 23; Serial No. 553,015, published Aug. 24, 1948. Class 6.
Protexal, Inc.: *See*—
Globe Shirts & Overall Co.
Pulverizing Machinery Company: *See*—
Ruprecht, Louis.
Ramage, Cy., doing business as Little Farms, Chula Vista, Calif. Fresh vegetables. 504,249, Nov. 23; Serial No. 529,823. Class 46.
Ransford Insecticide Co., Worcester, Mass. Residual insecticide. 504,242, Nov. 23; Serial No. 510,799. Class 6.
Rappaport, Albert, doing business as D. R. A. Dress Co., New York, N. Y. Ladies' dresses. 504,207, Nov. 23; Serial No. 543,327, published Aug. 10, 1948. Class 39.
Raybestos-Manhattan, Inc., Passiac, N. J. Woven asbestos oil stove wicking. 504,108, Nov. 23; Serial No. 529,931, published Aug. 10, 1948. Class 34.
Raymode Negligee Inc., New York, N. Y. Negligees, lounging, beach, and bath robes, bedroom jackets, etc. 504,193, Nov. 23; Serial No. 541,883, published Aug. 17, 1948. Class 39.
Reichmann, Arthur A., Philadelphia, Pa. Dressed horse hair. 504,143, Nov. 23; Serial No. 533,685, published Aug. 10, 1948. Class 1.
Reliance Fertilizer Company, The: *See*—
Reliance Fertilizer Company.
Reliance Fertilizer Company, by The Reliance Fertilizer Company, Savannah, Ga. Fertilizer. 349,384, Aug. 24, 1937. Republished Nov. 23. Class 10.
Republic Food Products Co., doing business as Emmart Food Products Co., Chicago, Ill. Canned food for dogs, cats, and other carnivorous animals. 504,250, Nov. 23; Serial No. 530,766. Class 46.
Resnick, Julius Inc., New York, N. Y. Ladies' and children's handbags and pocketbooks. 353,830, Jan. 18, 1938. Republished Nov. 23. Class 3.
Respondek, John E., doing business as Romo Drug Co., Detroit, Mich. Liquid medicinal product. 504,062, Nov. 23; Serial No. 514,495, published Aug. 24, 1948. Class 6.
Rhoads, J. E., & Sons, Philadelphia, Pa. Belt preserver and dressing, etc. 237,811, Jan. 17, 1928. Republished Nov. 23. Class 4.
Rice-Stix Dry Goods Co., St. Louis, Mo., by Hoover Hosiery Company, Concord, N. C. Wearing apparel. 273,303, July 29, 1930. Republished Nov. 23. Class 39.
Richardson, Max C., Portland, Oreg. Prefabricated electrical heating panels for use in building construction. 441,435, Nov. 23; Serial No. 503,465. Class 21.
Rig Company, The: *See*—
Guy, Ralph I.
Rockford Paint Manufacturing Company: *See*—
Cornish, Jesse B.
Rockwood Mills, Rockwood, Tenn. Hosiery. 504,163, Nov. 23; Serial No. 535,183, published Aug. 17, 1948. Class 39.
Rodox Inc: *See*—
Erdos, Fred.
Rogers, Wm. A. Limited, New York and Niagara Falls, N. Y., by Oneida Ltd., Oneida, N. Y. Silver-plated flat and hollow ware and cutlery. 115,395, Feb. 6, 1917. Republished Nov. 23. Class 28.
Rome Cable Corporation, Rome, N. Y. Insulated electrical conductors, wires and cables, and insulating sleeving. 390,205, Sept. 9, 1941. Republished Nov. 23. Class 21.
Romo Drug Co.: *See*—
Respondek, John E.
Rosenblatt, D. B., Incorporated, Minneapolis, Minn. Men's coats. 441,401, Nov. 23; Serial No. 509,038, published Aug. 24, 1948. Class 39.
Rosenthal Ackerman Millinery Company, St. Louis, Mo. Ladies' and misses' hats. 504,195, Nov. 23; Serial No. 541,968, published Aug. 17, 1948. Class 39.
Rothchild, Lionel G., doing business as Lenel Company, Dallas, Tex. Men's cologne, men's talcum powder and shaving lotions. 441,382, Nov. 23; Serial No. 502,079, published Mar. 18, 1947. Class 6.
Royal Society, Inc.: *See*—
Frampton Company, The.
Royal Worcester Corset Company, Worcester, Mass. Corsets, foundation garments, and combinations of girdles and brassières. 504,077, Nov. 23; Serial No. 523,864, published Aug. 10, 1948. Class 39.
Royal Oak Games Company: *See*—
Posvar, Edward J.
Rule-Jayton Cotton Oil Co., Stamford, Tex. Cottonseed cake and meal. 368,073, June 6, 1939. Republished Nov. 23. Class 46.
Ruprecht, Louis, doing business as Pulverizing Machinery Company, assignor to Pulverizing Machinery Company, Summit, N. J. Filtering apparatus. 441,407, Nov. 23; Serial No. 512,935, published Aug. 10, 1948. Class 31.
Russia Cement Company, to Le Pages, Inc., Gloucester, Mass. Liquid glue, mucilage, and adhesive paste. 72,172, re-renewed Jan. 5, 1949. O. G. Nov. 23. Class 5.

Safeway Stores, Incorporated: *See*—
Edwards, Dwight, Company.
Jell-Well Dessert Company.
Lucerne Cream and Butter Company, The.
Safeway Stores, Inc.
Safeway Stores, Inc., of Nevada.
Sutter Packing Company.
Western States Grocery Company.
Safeway Stores, Incorporated, doing business as General Food Products Co., Reno, Nev., and Vernon, Calif., by Beverage Distributors, Inc., San Francisco, Calif. Carbonated water. 356,130, Apr. 12, 1938. Republished Nov. 23. Class 45.
Safeway Stores, Inc., doing business as General Food Products Co., Vernon and Oakland, by Safeway Stores, Incorporated, Oakland, Calif. Canned grapefruit. 366,895, May 2, 1939. Republished Nov. 23. Class 46.
Safeway Stores, Inc., doing business as General Food Products Co., Vernon and Oakland, by Safeway Stores, Incorporated, Oakland, Calif. Canned tomato juice. 366,896, May 2, 1939. Republished Nov. 23. Class 46.
Safeway Stores, Inc., doing business as General Food Products Co., Vernon and Oakland, by Safeway Stores, Incorporated, Oakland, Calif. Canned grapefruit juice. 366,897, May 2, 1939. Republished Nov. 23. Class 46.
Safeway Stores, Inc., Vernon and Oakland, by Beverage Distributors, Inc., San Francisco, Calif. Non-alcoholic, maltless beverages. 368,369, June 13, 1939. Republished Nov. 23. Class 45.
Safeway Stores, Inc., doing business as Home Needs Co., Vernon and Oakland, by Safeway Stores, Incorporated, Oakland, Calif. Granulated soap. 370,265, Aug. 22, 1939. Republished Nov. 23. Class 4.
Safeway Stores, Inc., doing business as General Food Products Co., Vernon and Oakland, by Safeway Stores, Incorporated, Oakland, Calif. Canned vegetables. 371,126, Sept. 19, 1939. Republished Nov. 23. Class 46.
Safeway Stores, Inc., doing business as General Food Products Co., Vernon and Oakland, by Safeway Stores, Incorporated, Oakland, Calif. Canned fruits. 376,460, Mar. 26, 1940. Republished Nov. 23. Class 46.
Safeway Stores, Inc., doing business as General Food Products Co., Vernon and Oakland, by Safeway Stores, Incorporated, Oakland, Calif. Canned vegetables. 377,200, Apr. 23, 1940. Republished Nov. 23. Class 46.
Safeway Stores, Inc., doing business as General Food Products Co., Oakland, by Safeway Stores, Incorporated, Oakland, Calif. Canned vegetables. 380,282, Aug. 20, 1940. Republished Nov. 23. Class 46.
Safeway Stores, Inc., doing business as General Food Products Co., Oakland, by Beverage Distributors, Inc., San Francisco, Calif. Nonalcoholic beverages. 385,219, Feb. 18, 1941. Republished Nov. 23. Class 45.
Safeway Stores, Incorporated, doing business as Table Products Company, Baltimore, Md., and Oakland, Calif., assignor to Glenfield Food Company, San Francisco, Calif., doing business as Table Products Company, by Glenfield Food Company, San Francisco, Calif. Sandwich spread. 412,633, Mar. 20, 1945. Republished Nov. 23. Class 46.
Safeway Stores, Inc., of Nevada, doing business as Table Products Co., Reno, Nev., and Oakland, Calif., by Beverage Distributors, Inc., San Francisco, Calif. Non-alcoholic, maltless beverages. 398,834, Nov. 24, 1942. Republished Nov. 23. Class 45.
Safeway Stores, Inc., of Nevada, also doing business as Table Products Company, Reno, Nev., and Oakland, Calif., by Safeway Stores, Incorporated, Oakland, Calif. Chili sauce. 401,342, May 11, 1943. Republished Nov. 23. Class 46.
Safeway Stores, Inc., of Nevada, also doing business as Table Products Company, Reno, Nev., and Oakland, Calif., by Glenfield Food Company, San Francisco, Calif. Food flavoring extracts. 403,680, Oct. 12, 1943. Republished Nov. 23. Class 46.
Safeway Stores, Inc., of Nevada, also doing business as Table Products Company, Reno, Nev., and Oakland, Calif., by Safeway Stores, Incorporated, Oakland, Calif. Canned salmon. 404,558, Dec. 7, 1943. Republished Nov. 23. Class 46.
Sakai, Yukichi, doing business as The Pacific Dry Goods Co., San Francisco, Calif. Fortune telling game. 504,166, Nov. 23; Serial No. 535,263, published July 20, 1948. Class 22.
Salem Company Incorporated, The, Winston-Salem, N. C. Men's, women's and children's work clothes. 504,078, Nov. 23; Serial No. 525,497, published Aug. 17, 1948. Class 39.
Sanborn, Geo. W., & Sons, Astoria, Oreg., by P. E. Harris & Co., Seattle, Wash. Canned salmon. 114,183, Dec. 5, 1916. Republished Nov. 23. Class 46.
San Dimas Orange Growers Association, San Dimas, Calif. Fresh citrus fruits. 252,210, renewed Jan. 29, 1949. O. G. Nov. 23. Class 46.
San Loo, Inc., St. Louis, Mo. Women's and misses' shoes. 441,428, Nov. 23; Serial No. 523,041, published Aug. 10, 1948. Class 39.
Sardeau: *See*—
May, Jack.
Savonnerie Parfumerie Maubert, Societe Anonyme: *See*—
Societe Commandite Chome & Cie.
Scher & Feldman, Inc., New York, N. Y. Children's coats. 504,201, Nov. 23; Serial No. 542,885, published Aug. 24, 1948. Class 39.
Scholl Manufacturing Company, The, to The Scholl Mfg. Co. Inc., Chicago, Ill. Instep-arch supports, surgical insoles, toe flexers, etc. 161,379, renewed Jan. 5, 1949. O. G. Nov. 23. Class 44.
Scholl Mfg. Co. Inc., The: *See*—
Scholl Manufacturing Company, Inc.
Scholl Manufacturing Company, Inc., to The Scholl Mfg. Co. Inc., Chicago, Ill. Shoes, leather shoes, rubber shoes, etc. 191,089, renewed Jan. 5, 1948. O. G. Nov. 23. Class 39.
Scholl Manufacturing Company, Inc., to The Scholl Mfg. Co. Inc., Chicago, Ill. Preparation for the treatment of foot troubles. 194,537, renewed Jan. 5, 1948. O. G. Nov. 23. Class 6.
Searle, G. D., & Co., Chicago, Ill. Rectal suppositories. 441,380, Nov. 23; Serial No. 501,286, published Aug. 10, 1948. Class 6.
Seeman Brothers, Inc., New York, N. Y. Canned corn. 260,959, Sept. 3, 1929. Republished Nov. 23. Class 46.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio, by L. Grief & Bro., Inc., Baltimore, Md. Men's suits and overcoats. 330,586, Dec. 10, 1935. Republished Nov. 23. Class 39.
Selas Corporation of America, Philadelphia, Pa. Gas burning fluid fuel burners, and industrial heating equipment. 441,403, Nov. 23; Serial No. 511,294, published Aug. 10, 1948. Class 34.
Selas Corporation of America, Philadelphia, Pa. Gas distribution apparatus and parts thereof, fluid fuel burners and parts therefor. 441,404, Nov. 23; Serial No. 511,902, published Aug. 3, 1948. Class 34.
Selby, Battersby & Company, Philadelphia, Pa. Materials for plastic and mastic floor and deck coverings. 380,658, Aug. 27, 1940. Republished Nov. 23. Class 12.
Selby, Battersby and Company, Philadelphia, Pa. Anti-corrosive- irreversible emulsion of coal tar pitch. 416,921, Oct. 2, 1945. Republished Nov. 23. Class 12.
Selby, Battersby and Company, Philadelphia, Pa. Leveling compound and crack filler. 420,024, Mar. 19, 1946. Republished Nov. 23. Class 12.
Selby, Battersby and Company, Philadelphia, Pa. Cold applied stable emulsion of coal tar pitch. 421,015, May 14, 1946. Republished Nov. 23. Class 16.
Selby, Battersby and Company, Philadelphia, Pa. Floor wax. 425,286, Nov. 12, 1946. Republished Nov. 23. Class 16.
Selchow & Righter Company, New York, N. Y. Board game. 504,137, Nov. 23; Serial No. 533,405, published July 20, 1948. Class 22.
Selchow & Righter Company, New York, N. Y. Card game. 504,138, Nov. 23; Serial No. 533,406, published July 20, 1948. Class 22.
Selchow & Righter Company, New York, N. Y. Board game. 504,139–40, Nov. 23; Serial Nos. 533,407–8, published July 20, 1948. Class 22.
Servel, Inc.: *See*—
Electrolux Servel Corporation.
Seven Up Company, The: *See*—
Howdy Company, The.
Shaler Company, The, Waupun, Wis. Penetrating oils. 366,687, Apr. 25, 1939. Corrected. O. G. Nov. 23. Class 15.
Shapleigh Hardware Company, doing business as Diamond Manufacturing Co., St. Louis, Mo. Fishing lines, fishing rods and fishing reels. 504,119, Nov. 23; Serial No. 531,727, published Aug. 17, 1948. Class 22.
Sheet Metal Manufacturing Company, Inc., Brooklyn, N. Y. Leaders, gutters, elbows for eaves, etc. 347,741, July 6, 1937. Republished Nov. 23. Class 12.
Shur-Fyre Products Company: *See*—
Peoples Drug Stores, Inc.
Simpson, Dorothy S., doing business as Old Home Veterinary Remedies Company, Canastota, N. Y. Live stock tonic. 504,112, Nov. 23; Serial No. 530,683, published Aug. 17, 1948. Class 6.
Singer, Joseph B., Philadelphia, Pa. Footballs, basketballs, soccerballs, etc. 441,393, Nov. 23; Serial No. 506,393, published July 27, 1948. Class 22.
Smith, Floyd N., Phoenix, Ariz. Fresh vegetables. 407,914, July 4, 1944. Republished Nov. 23. Class 46.
Smith, Kenneth, Kansas City, Mo. Golf clubs and parts of golf clubs. 504,167, Nov. 23; Serial No. 535,268, published July 13, 1948. Class 22.
Societe a Responsabilite Limitee Forlane, Paris, France. Perfumes. 441,418, Nov. 23; Serial No. 518,259, published July 20, 1948. Class 6.
Societe a Responsabilite Limitee Laboratoires du Docteur Maurice Leprince: *See*—
Leprince, Maurice.
Societe a Responsabilite Limitee: L'Angora, Suresnes, France. Wear. 441,379, Nov. 23; Serial No. 500,632, published Aug. 10, 1948. Class 39.
Societe Commandite Chome & Cie., to Savonnerie Parfumerie Maubert, Societe Anonyme, Lille, France. Toilet soaps. 189,980, renewed Sept. 30, 1944. O. G. Nov. 23. Class 4.
Societe Commandite Chome & Cie., to Savonnerie Parfumerie Maubert, Societe Anonyme, Lille, France. Perfumes, toilet waters, face powder. 190,211, renewed Oct. 7, 1944. O. G. Nov. 23. Class 6.

Sokol & Company: *See*—
California Vegetable Products Co.

Southern Fruit Distributors, Inc., Orlando, Fla. Fresh citrus fruits. 271,350, June 3, 1930. Republished Nov. 23. Class 46.

Southern Fruit Distributors, Inc., Orlando, Fla. Fresh citrus fruits and fresh tomatoes. 294,117, May 17, 1932. Republished Nov. 23. Class 46.

Southern Heater Company, Inc., New Orleans, La. Water heaters. 504,050, Nov. 23; Serial No. 507,659, published Aug. 10, 1948. Class 34.

Southern Shell Fish Company, Inc., New Orleans, La. Canned processed oysters, canned processed crabmeat, fresh crabmeat, etc. 441,381, Nov. 23; Serial No. 502,022, published Oct. 14, 1947. Class 46.

Southern States Iron Roofing Company, Savannah, Ga. Metal drums. 504,170, Nov. 23; Serial No. 535,640, published Aug. 24, 1948. Class 2.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. 441,399, Nov. 23; Serial No. 508,621, published Dec. 24, 1946. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Footballs. 504,173, Nov. 23; Serial No. 536,556, published July 20, 1948. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. 504,174, Nov. 23; Serial No. 536,558, published July 20, 1948. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. 504,175, Nov. 23; Serial No. 536,648, published July 20, 1948. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. 504,176, Nov. 23; Serial No. 536,651, published Aug. 3, 1948. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, etc. 504,180, Nov. 23; Serial No. 537,627, published Aug. 3, 1948. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, etc. 504,181–2, Nov. 23; Serial Nos. 537,630–1, published Aug. 3, 1948. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, etc. 504,186, Nov. 23; Serial No. 538,667, published Aug. 3, 1948. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Baseballs, baseball mitts, baseball gloves, etc. 504,189, Nov. 23; Serial No. 540,215, published Aug. 3, 1948. Class 22.

Speed-Jack Company, Belleville, N. J. Adjustable transmission gearing. 403,759, Oct. 19, 1943. Republished Nov. 23. Class 23.

Sponge Rubber Products Company, The, Derby, Conn. Sponge rubber, medical sponge rubber, and rubber sponges. 300,788, Feb. 7, 1933. Republished Nov. 23. Classes 1 and 44.

Sponge Rubber Products Company, The, Derby, Conn. Rug underlays, bath mats, and kneeling pads. 321,895, Feb. 19, 1935. Republished Nov. 23. Class 50.

Sponge Rubber Products Company, The, Derby, Conn. Structural material of rubber composition. 356,438, Apr. 26, 1938. Republished Nov. 23. Class 12.

Sponge Rubber Products Company, The, Derby, Conn. Floor rugs and drapable sheet coverings. 357,290, May 31, 1938. Republished Nov. 23. Classes 50 and 12.

Sponge Rubber Products Company, The, Derby, Conn. Play balls and playsets. 365,114, Feb. 21, 1939. Republished Nov. 23. Class 22.

Sponge Rubber Products Company, The, Derby, Conn. Play sets. 365,963, Mar. 21, 1939. Republished Nov. 23. Class 22.

Sponge Rubber Products Company, The, Derby, Conn. Play sets. 367,562, May 23, 1939. Republished Nov. 23. Class 22.

Sponge Rubber Products Company, The, Derby, Conn. Material used as cushioning supports and fillers in upholstered furniture. 410,187, Nov. 14, 1944. Republished Nov. 23. Class 1.

Sponge Rubber Products Company, The, Derby, Conn. Filamentary web material. 414,715, June 26, 1945. Republished Nov. 23. Class 50.

Sponge Rubber Products Company, The, Derby, Conn. Compressible resilient filamentary material in sheet or block form. 414,716, June 26, 1945. Republished Nov. 23. Class 1.

Sponge Rubber Products Company, The, Shelton, Conn. Materials used as cushioning supports and fillers in upholstered furniture. 424,021, Sept. 17, 1946. Republished Nov. 23. Class 1.

Sponge Rubber Products Company, The, Shelton, Conn. Sponge rubber. 429,795, May 20, 1947. Republished Nov. 23. Class 1.

Springfield Leather Products Company, The, Springfield, Ohio. Pocket letter cases, card cases, pass cases, etc. 253,326, renewed Feb. 26, 1949. O. G. Nov. 23. Class 3.

Standard Cotton Products Co., Inc., Flint, Mich. Insulation batts. 401,047, Apr. 20, 1943. Republished Nov. 23. Class 12.

Stant Manufacturing Company, Connersville, Ind. Vehicle radiator and gasoline filler caps. 317,713, Oct. 2, 1934. Republished Nov. 23. Class 19.

Star Knitting Company, La Crosse, Wis. Knitted infants' mittens and gloves, children's mittens and gloves, men's and women's mittens and gloves, etc. 222,208, Dec. 28, 1926. Republished Nov. 23. Class 39.

Star Oil Company, The, Chicago, Ill. Oils and greases. 433,673, Oct. 28, 1947. Republished Nov. 23. Class 15.

Stardust, Incorporated: *See*—
Industrial Undergarment Corporation.

Stark Tool Company, Waltham, Mass. Blow torches. 291,759, Feb. 23, 1932. Republished Nov. 23. Class 34.

Stein, A., & Company, Chicago, Ill. Men's garment supporting belts. 504,155, Nov. 23; Serial No. 534,205, published Aug. 31, 1948. Class 39.

Stockton District Kidney Bean Growers, Inc., Linden, Calif. Seed beans. 504,237, Nov. 23; Serial No. 496,408, published Aug. 10, 1948. Class 1.

Stuarts Clothes, Inc., New York, N. Y. Men's and boys' suits, overcoats, top coats, etc. 504,086, Nov. 23; Serial No. 526,967, published Aug. 31, 1948. Class 39.

Stylepark Hats, Inc., Camden, N. J. Men's and boys' hats; men's silk hats; felt and straw hats for women and children. 361,195, Oct. 11, 1938. Republished Nov. 23. Class 39.

Stylepark Hats, Inc., Camden, N. J. Men's and boys' hats. 364,037, Jan. 17, 1939. Republished Nov. 23. Class 39.

Stylepark Hats, Inc., Camden, N. J. Men's boys', and women's hats. 371,262, Sept. 19, 1939. Republished Nov. 23. Class 39.

Stylepark Hats, Inc., Philadelphia, Pa. Men's felt hats. 196,800, Mar. 31, 1925. Republished Nov. 23. Class 39.

Stylepark Hats, Inc., Philadelphia, Pa. Women's hats. 415,393, Aug. 7, 1945. Republished Nov. 23. Class 39.

Superba Cravats: *See*—
Cohn, H. C., & Co.

Susan Sage, Inc., New York, N. Y. Junior misses', misses', and women's dresses. 504,156, Nov. 23; Serial No. 534,557, published Aug. 17, 1948. Class 39.

Sutter Packing Company, Mayfield, by Safeway Stores, Incorporated, Oakland, Calif. Canned fruits. 265,927, Jan. 7, 1930. Republished Nov. 23. Class 46.

Sutter Packing Company, Mayfield, by Safeway Stores, Incorporated, Oakland, Calif. Canned fruits. 269,286, Apr. 1, 1930. Republished Nov. 23. Class 46.

Sutton, O. A., Corporation, Incorporated, The, Wichita, Kans. Electric fans. 419,118, Feb. 5, 1946. Republished Nov. 23. Class 21.

Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Sulphite and sulphate paper pulp, rayon pulp, ground wood, etc. 441,392, Nov. 23; Serial No. 505,531, published Aug. 24, 1948. Class 1.

Szyperski, Frank, doing business as H. & S. Company, Stamford, Conn., and Forest Hills, N. Y. Face, neck, and hand cream. 504,197, Nov. 23; Serial No. 542,370, published Aug. 17, 1948. Class 6.

Table Products Co.: *See*—
Safeway Stores, Inc., of Nevada.

Table Products Company: *See*—
Safeway Stores, Incorporated.
Safeway Stores, Inc., of Nevada.

Table Rock Laboratories, Inc., Greenville, S. C. Reconstructive tonic, recommended for the treatment of secondary anemia. 504,091, Nov. 23; Serial No. 527,315, published Aug. 17, 1948. Class 6.

Tarlow, I., & Son, Philadelphia, Pa. Sport coats for women. 441,413, Nov. 23; Serial No. 515,688, published Aug. 17, 1948. Class 39.

Tennessee Corporation, New York, N. Y., and Atlanta, Ga. Preparation for treatment of sewerage and sewerage sludges, wastes for textile mills, etc. 373,086, Nov. 21, 1939. Republished Nov. 23. Class 6.

Tennessee Corporation, New York, N. Y., and Atlanta, Ga. Fertilizers of various mixtures. 377,688, May 14, 1940. Republished Nov. 23. Class 10.

Tennessee Corporation, New York, N. Y., and Atlanta, Ga. Mixturee of mineral elements. 405,145, Jan. 11, 1944. Republished Nov. 23. Class 10.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 504,058, Nov. 23; Serial No. 513,001, Class 46.

Tex-Son Co., San Antonio, Tex. Children's playsuits, sun suits, pants, etc. 504,114, Nov. 23; Serial No. 530,786, published Aug. 10, 1948. Class 39.

Thermocor Products, Inc., Cincinnati, Ohio. Kits for blowing plastic bubbles. 504,134, Nov. 23; Serial No. 532,970, published July 20, 1948. Class 22.

Thlinket Packing Corporation, Portland, Oreg., by P. E. Harris & Co., Seattle, Wash. Canned fish. 141,058, Apr. 5, 1921. Republished Nov. 23. Class 46.

Tribune Company, Chicago, Ill. Series of cartoons. 250,088, renewed Nov. 27, 1948. O. G. Nov. 23. Class 38.

Trimfoot Company: *See*—
Wizard Lightfoot Appliance Co.
Wizard Lightfoot Appliance Company.

Trimfoot Company, Farmington, Mo. Infants' and children's high shoes. 402,683, Aug. 10, 1943. Republished Nov. 23. Class 39.

Trion, Inc., McKees Rocks, Pa. Electrostatic air filters. 504,130, Nov. 23; Serial No. 532,660, published Aug. 17, 1948. Class 31.

Truaz-Traer Coal Company, Chicago, Ill. Bituminous coal. 504,146, Nov. 23; Serial No. 534,067, published Aug. 17, 1948. Class 1.

True's Oil Company, by True's Oil Company, Spokane, Wash. Kerosene and illuminating oils. 113,179, Oct. 10, 1916. Republished Nov. 23. Class 15.

True's Oil Company, by True's Oil Company, Spokane, Wash. Kerosene, illuminating oils. 113,180, Oct. 10, 1916. Republished Nov. 23. Class 15.

True's Oil Company, by True's Oil Company, Spokane, Wash. Lubricating oils. 113,181, Oct. 10, 1916. Republished Nov. 23. Class 15.

True's Oil Company, by True's Oil Company, Spokane, Wash. Gasoline, fuel oils. 113,182, Oct. 10, 1916. Republished Nov. 23. Class 15.

True's Oil Company, by True's Oil Company, Spokane, Wash. Lubricating oils. 117,222–4, June 19, 1917. Republished Nov. 23. Class 15.

Tru Foot Company: *See*—
Wizard Lightfoot Appliance Company.

Turquoise Indian Trading Co., Santa Barbara, Calif. Finger rings, earrings, and bracelets. 428,772, Apr. 1, 1947. Republished Nov. 23. Class 28.

Twinzy Toy Company, Battle Creek, Mich. Toy dolls and figures. 504,161, Nov. 23; Serial No. 535,104, published July 20, 1948. Class 22.

Ulmann, Bernhard, & Co., New York, to Bernhard Ulmann Co. Inc., Long Island City, N. Y. Thread, floss, and rope. 72,392, re-renewed Jan. 19, 1949. O. G. Nov. 23. Class 43.

Ulmann, Bernhard, Co. Inc.: *See*—
Ulmann, Bernhard, & Co.

United Drill & Tool Corporation: *See*—
United Drill and Tool Corporation.

United Drill and Tool Corporation, by United Drill & Tool Corporation, Chicago, Ill. Twist drills, reamers, milling cutters, etc. 360,258, Sept. 13, 1938. Republished Nov. 23. Class 23.

United Drill & Tool Corporation, Chicago, Ill. Twist drills and reamers. 394,115, Mar. 17, 1942. Republished Nov. 23. Class 23.

United States Gypsum Company, Chicago, Ill. Calcined gypsum, plaster of Paris, wall plaster, etc. 160,704, Oct. 24, 1922. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Wall plaster and calcined gypsum. 160,710, Oct. 24, 1922. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Calcined gypsum, wall plaster, and finishing plaster. 160,711, Oct. 24, 1922. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Calcined gypsum. 273,568, Aug. 5, 1930. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Finely ground gypsum. 290,665, Jan. 12, 1932. Republished Nov. 23. Class 1.

United States Gypsum Company, Chicago, Ill. Finely ground gypsum. 291,874, Feb. 23, 1932. Republished Nov. 23. Class 1.

United States Gypsum Company, Chicago, Ill. Dental plaster of Paris. 344,415, Mar. 23, 1937. Republished Nov. 23. Class 44.

United States Gypsum Company, Chicago, Ill. Metallic clips for attaching bnilding boards. 372,325–6, Oct. 31, 1939. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Acoustical fiber board. 372,333, Oct. 31, 1939. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Casting plaster composition. 373,842, Dec. 26, 1939. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Calcined gypsum plaster. 386,653, Apr. 22, 1941. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Acoustical tile. 391,246, Oct. 28, 1941. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Gypsum cement compositions. 401,120, Apr. 27, 1943. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Gypsum casting plaster. 409,665, Oct. 17, 1944. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Gypsum plaster. 410,589, Dec. 5, 1944. Republished Nov. 23. Class 12.

United States Gypsum Company, Chicago, Ill. Hydraulically bonded asbestos heat insulating blocks. 417,681. Nov. 13, 1945. Republished Nov. 23. Class 12.

United States Rubber Company: *See*—
Eureka Fire Hose Company.

United States Rubber Company, New York, N. Y. Sheet material. 248,035, renewed Oct. 16, 1948. O. G. Nov. 23. Class 50.

United States Rubber Company, New York, N. Y. Food trays. 504,082, Nov. 23; Serial No. 526,645, published Aug. 24, 1948. Class 2.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparations. 504,231, Nov. 23; Serial No. 551,062, published Aug. 24, 1948. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 504,232, Nov. 23; Serial No. 551,063, published Aug. 24, 1948. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 504,233, Nov. 23; Serial No. 551,064, published Aug. 24, 1948. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 504,234, Nov. 23; Serial No. 551,067, published Aug. 24, 1948. Class 6.

Van Pelt and Brown, Incorporated, Richmond, Va. Medicinal preparation. 504,225, Nov. 23; Serial No. 550,568, published Aug. 17, 1948. Class 6.

Van Pelt and Brown, Incorporated, Richmond, Va. Urinary antiseptic. 504,226, Nov. 23; Serial No. 550,569, published Aug. 17, 1948. Class 6.

Vantage Corporation, The: *See*—
Hickmott, William J., Jr.

Vigny, Inc., New York, N. Y. Perfumes, toilet waters, face lotions, etc. 504,063, Nov. 23; Serial No. 514,636, published Aug. 10, 1948. Class 6.

Villaudy, Albert, Hollywood, Calif. Drinking glasses. 441,431, Nov. 23; Serial No. 525,050, published Aug. 24, 1948. Class 33.

Vitalife Company, The: *See*—
Kendall, Samuel W.

Vivaudou, Jean, Co., Inc., New York, N. Y. Shaving soap. 441,434, Nov. 23; Serial No. 503,026. Class 4.

Volunteer Knitting Mills, Chattanooga, Tenn., by Brown Knitting Company, New York, N. Y. Men's and children's knitted underwear. 234,907, Nov. 8, 1927. Republished Nov. 23. Class 39.

Wallace, Andrew C., doing business as Wallace and Associates, assignor to Wallace and Associates, Inc., Butler, Ky. Cream or ointment in clear or tinted forms. 441,373, Nov. 23; Serial No. 494,586, published Aug. 10, 1948. Class 6.

Wallace and Associates: *See*—
Wallace, Andrew C.

Wallace and Associates, Inc.: *See*—
Wallace, Andrew C.

Walla Walla Canning Company, Walla Walla, Wash. Canned fruits and vegetables. 504,116, Nov. 23; Serial No. 531,068, published Aug. 17, 1948. Class 46.

Wall-Streeter Shoe Co., North Adams, Mass. Shoes. 251,242, renewed Jan. 1, 1949. O. G. Nov. 23. Class 39.

Ward, Samuel, Company, by Samuel Ward Manufacturing Co., Boston, Mass. Writing papers and envelopes. 82,541, July 4, 1911. Republished Nov. 23. Class 37.

Ward, Samuel, Company, by Samuel Ward Manufacturing Co., Boston, Mass. Diaries. 91,534, May 6, 1913. Republished Nov. 23. Class 38.

Ward, Samuel, Manufacturing Co.: *See*—
Ward, Samuel, Company.

Ward, Samuel, Manufacturing Co., Boston, Mass. Writing papers and envelopes. 168,604, May 29, 1923. Republished Nov. 23. Class 37.

Ward, Samuel, Manufacturing Co., Boston, Mass. Memoranda books. 209,831, Mar. 2, 1926. Republished Nov. 23. Class 37.

Ward, Samuel, Manufacturing Co., Boston, Mass. Portfolios. 227,865, May 17, 1927. Republished Nov. 23. Class 3.

Ward, Samuel, Manufacturing Co., Boston, Mass. Diaries. 229,652, July 5, 1927. Republished Nov. 23. Class 37.

Washburn, L. M., by Omer G. Avery, Porterville, Calif. Fresh citrus fruits. 387,858, June 3, 1941. Republished Nov. 23. Class 46.

Washington Manufacturing Company, Nashville, Tenn. Work shirts, work pants, overalls, etc. 504,054, Nov. 23; Serial No. 510,744, published Aug. 10, 1948. Class 39.

Washington Stove Works, Everett, Wash. Circulating space heaters. 504,184, Nov. 23; Serial No. 537,772, published Aug. 10, 1948. Class 34.

Wason Bros. Company, Inc., Seattle, Wash. Sugar and maple syrup. 379,613, July 16, 1940. Republished Nov. 23. Class 46.

Waterman, Henry & Bros. Corp., Maspeth, Long Island, N. Y. Gas stoves, ranges, heaters, etc. 332,917, Mar. 3, 1936. Republished Nov. 23. Class 34.

Weber, George, Seattle, Wash. Cut holly sprays and designed natural holly pieces. 504,157, Nov. 23; Serial No. 534,575, published Aug. 17, 1948. Class 1.

Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Refrigerator open type produce display cases. 504,120. Nov. 23; Serial No. 531,971, published June 1, 1948. Class 31.

Weiner, Chas. & Sons, Inc., Chicago, Ill. Men's and boys' wear. 504,065, Nov. 23; Serial No. 516,256, published Aug. 10, 1948. Class 39.

Weir Stove Company, by Glenwood Range Company, Taunton, Mass. Stoves, ranges, furnaces, and heaters. 47,409, Oct. 31, 1905. Republished Nov. 23. Class 34.

Weitz, S. & Co., Inc., Cleveland, Ohio. Men's and boys' overcoats. 504,074, Nov. 23; Serial No. 521,231, published Aug. 31, 1948. Class 39.

Western Chemical Company, St. Joseph, Mo. Liquid cleaner. 215,652, July 20, 1926. Republished Nov. 23. Class 4.

Western Chemical Company, St. Joseph, Mo. Liquid insecticide spray. 231,608, Aug. 23, 1927. Republished Nov. 23. Class 6.

Western Chemical Company, St. Joseph, Mo. Deodorants. 241,356, Apr. 24, 1928. Republished Nov. 23. Class 6.

Western Oregon Packing Corporation, Corvallis, Oreg. Canned berries, canned fruits, and canned vegetables. 265,147, Dec. 17, 1929. Republished Nov. 23. Class 46.

Western States Grocery Company, Oakland, by Beverage Distributors, Inc., San Francisco, Calif. Beer. 307,439, Oct. 24, 1933. Republished Nov. 23. Class 48.

Western States Grocery Company, Reno, Nev., and Oakland, Calif., by Safeway Stores, Incorporated, Oakland, Calif. Evaporated milk. 362,637, Nov. 22, 1938. Republished Nov. 23. Class 46.

White, James S., Chicago, Ill. Golf club head covers. 409,822, Oct. 24, 1944. Republished Nov. 23. Class 22.

Whitehall Pharmacal Company, assignor to Whitehall Pharmacal Company, New York, N. Y. Preparation for the treatment of jaundice, headache, dyspepsia, etc. 504,183, Nov. 23; Serial No. 537,642, published Aug. 3, 1948. Class 6.

Whitehead Metal Products Company, Inc., New York, N. Y. Kitchen cabinets. 374,711, Jan. 23, 1940. Republished Nov. 23. Class 32.

Whitehead Metal Products Company, Inc., New York, N. Y. Hot water tanks and hot water storage units. 378,324, June 4, 1940. Republished Nov. 23. Class 34.

Williamson Candy Company, Chicago, Ill. Candy. 384,529, Jan. 21, 1941. Republished Nov. 23. Class 46.

Wilson, Maria, Beverly Hills, Calif. Women's clothing. 504,196, Nov. 23; Serial No. 542,191, published Aug. 31, 1948. Class 39.

Wilson, Ralph W.: *See*—
Wilson, Ralph W., Company, Inc.

Wilson, Ralph W., Company, Inc., by Ralph W. Wilson, New York, N. Y. Caps for receptacles. 361,029, Oct. 4, 1938. Republished Nov. 23. Class 50.

Wilson, Robert N., Berkeley, Calif. Playing cards. 441,385, Nov. 23; Serial No. 502,731, published July 27, 1948. Class 22.

Winner, Inc.: *See*—
Berne Mfg. Co.

Wischmann, Wm. J., Inc., Brooklyn, N. Y. Chewing gum. 197,201, Apr. 14, 1925. Republished Nov. 23. Class 46.

Wizard Lightfoot Appliance Company, doing business as Tru Foot Company, St. Louis, by Trimfoot Company, Farmington, Mo. Corrective foot appliances. 265,304, Dec. 24, 1929. Republished Nov. 23. Class 44.

Wizard Lightfoot Appliance Co., St. Louis, by Trimfoot Company, Farmington, Mo. Infants' shoes. 365,351, Mar. 7, 1939. Republished Nov. 23. Class 39.

Wolf, Jacques, & Co., Passaic, to Jacques Wolf & Co., Clifton, N. J. Acetate of alumina, citrate of alumina, acetate of barium, etc. 239,759, renewed Mar. 13, 1948. O. G. Nov. 23. Classes 1, 5, 6, and 46.

Wolff Frères, Inc., New York, N. Y. Perfumes, eau de cologne, bath essences, etc. 504,222–3, Nov. 23; Serial Nos. 550,191–2, published Aug. 17, 1948. Class 6.

Woo Gueyteung: *See*—
E & L Fruit & Produce Distributors.

Wood Manufacturing Co., El Dorado, Ark. Fish lures. 441,386, Nov. 23; Serial No. 503,490, published July 13, 1948. Class 22.

Woodbury, John H., Inc., Cincinnati, Ohio. Toilet preparations. 305,546, Aug. 22, 1933. Republished Nov. 23. Class 6.

Woodville Lime Products Company, The, Toledo, Ohio. Lime. 252,941, renewed Feb. 19, 1949. O. G. Nov. 23. Class 10.

Woolfolk Chemical Works, Ltd., Fort Valley, Ga. Insecticide. 441,429, Nov. 23; Serial No. 523,445, published Aug. 17, 1948. Class 6.

Wright & McGill Co., Denver, Colo. Fish hooks and artificial fish lures. 504,251, Nov. 23; Serial No. 531,072. Class 22.

Wurm Brothers Company, Chicago, Ill. Canned fruits, canned vegetables, and canned fish, etc. 272,999, July 15, 1930. Republished Nov. 23. Class 46.

Wyoming Shovel Works, The, Wyoming, Pa., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, scoops, etc. 138,887, Jan. 11, 1921. Republished Nov. 23. Class 23.

Zastrow, A. H., Grants Pass, Oreg. Liquid preparation. 389,760, Aug. 19, 1941. Republished Nov. 23. Class 6.

Zenith-Godley Co. Inc., New York, N. Y. Butter. 504,102, Nov. 23; Serial No. 529,330, published Aug. 7, 1948. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Acetate of alumina, citrate of alumina, acetate of barium, etc. Jacques Wolf & Co. 239,750, renewed Mar. 13, 1948. O. G. Nov. 23.

Carbon black. J. M. Huber Corporation. 504,158, Nov. 23; Serial No. 534,629, published Aug. 10, 1948.

Carbon black. Jefferson Lake Sulphur Company, Inc. 504,072, Nov. 23; Serial No. 520,814, published Aug. 24, 1948.

Carbon for general use in the industrial arts, etc., Activated. Permutit Company. 504,145, Nov. 23; Serial No. 534,048, published Aug. 10, 1948.

Coal. Cherokee Coal Company. 504,217, Nov. 23; Serial No. 544,650, published Aug. 17, 1948.

Coal, Bituminous. Truax-Traer Coal Company. 504,146, Nov. 23; Serial No. 534,067, published Aug. 17, 1948.

Coal, Semi anthracite. Pittsburg & Midway Coal Mining Co. 504,117, Nov. 23; Serial No. 531,240, published Aug. 10, 1948.

Filamentary material in sheet or block form, Compressible resilient. Sponge Rubber Products Company. 414,716, June 26, 1945. Republished Nov. 23.

Fur skins, hides, and pelts. Fouke Fur Company. 504,089–90, Nov. 23; Serial Nos. 527,197–8, published Aug. 24, 1948.

Gypsum, Finely ground. United States Gypsum Company. 290,665, Jan. 12, 1932. Republished Nov. 23.

Gypsum, Finely ground. United States Gypsum Company. 291,874, Feb. 23, 1932. Republished Nov. 23.

Horse hair, Dressed. A. A. Reichmann. 504,143, Nov. 23; Serial No. 533,685, published Aug. 10, 1948.

Latex, Rubber. General Latex and Chemical Corporation. 387,530, May 20, 1941. Republished Nov. 23.

Leather, Tanned. Gutmann & Company. 71,506, renewed Dec. 1, 1948. O. G. Nov. 23.

Limestone employed in rock dusting coal mines, Ground. National Gypsum Company. 441,398, Nov. 23; Serial No. 508,179, published Aug. 24, 1948.

Material used as cushioning supports and fillers in upholstered furniture. Sponge Rubber Products Company. 410,187, Nov. 14, 1944. Republished Nov. 23.

Material used as cushioning supports and fillers in upholstered furniture. Sponge Rubber Products Company. 424,021, Sept. 17, 1946. Republished Nov. 23.

Peat for horticultural uses. Nutria Peat Sales Company. 504,133, Nov. 23; Serial No. 532,861, published Aug. 17, 1948.

Pulp, Sulphite and sulphate paper, rayon pulp, ground wood, etc. Svenska Cellulosa Attiebolaget. 441,392, Nov. 23; Serial No. 505,531, published Aug. 24, 1948.

Rubber, Sponge. Sponge Rubber Products Company. 429,795, May 20, 1947. Republished Nov. 23.

Rubber, Sponge, medical sponge rubber, and rubber sponges. Sponge Rubber Products Company. 300,788, Feb. 7, 1933. Republished Nov. 23.

Seed beans. Stockton District Kidney Bean Growers, Inc. 504,237, Nov. 23; Serial No. 496,408, published Aug. 10, 1948.

Seed corn, Hybrid. Farmer's Pride Hybrid Corn Co. 441,396, Nov. 23; Serial No. 506,997, published Aug. 17, 1948.

Seed, Grass. Associated Seed Growers, Incorporated. 504,080, Nov. 23; Serial No. 526,580, published Aug. 24, 1948.

Seeds, Field and grass. Cornell Seed Company. 504,208, Nov. 23; Serial No. 543,371, published Aug. 17, 1948.

Seeds, Field and grass. Cornell Seed Company. 504,216, Nov. 23; Serial No. 544,647, published Aug. 17, 1948.

Seeds, Grass. F. W. Bolgiano & Co., Inc. 504,061, Nov. 23; Serial No. 514,101, published Aug. 10, 1948.

Sheets, rods and tubes. Fabri-Form Company. 441,389, Nov. 23; Serial No. 504,892, published Aug. 10, 1948.

Sprays and designed natural holly pieces. Cut holly. G. Weber. 504,157, Nov. 23; Serial No. 534,575, published Aug. 17, 1948.

Stocks, Nursery. Andrews Nursery Company. 504,164, Nov. 23; Serial No. 535,213, published Aug. 24, 1948.

Stocks, Nursery. Lakeland Nurseries. 504,135, Nov. 23; Serial No. 532,983, published Aug. 24, 1948.

Vermiculite, Crude and exfoliated. Bee Tree Vermiculite Mines. 377,315, Apr. 30, 1940. Republished Nov. 23.

CLASS 2

Boxes and paper boxes, Corrugated fibreboard. Crescent Box Corporation. 300,771, Feb. 7, 1933. Republished Nov. 23.

Containers, Shipping. Kieckhefer Container Company. 504,055, Nov. 23; Serial No. 511,226, published Aug. 24, 1948.

Drums, Metal. Southern States Iron Roofing Company. 504,170, Nov. 23; Serial No. 535,640, published Aug. 24, 1948.

Goods made of "plastic" film, storage bags, bags for storing food, etc. Boland Mfg. Co. 441,421, Nov. 23; Serial No. 521,238, published Aug. 24, 1948.

Trays, Food. United States Rubber Company. 504,082, Nov. 23; Serial No. 526,645, published Aug. 24, 1948.

CLASS 3

Cases, Pocket leather, card cases, pass cases, etc. Springfield Leather Products Company. 253,326, renewed Feb. 26, 1949. O. G. Nov. 23.

Handbags and pocketbooks, Ladies' and children's. Julius Resnick, Inc. 353,830, Jan. 18, 1938. Republished Nov. 23.

Harness, Parts of. Enterprise Manufacturing Company. 72,243, re-renewed Jan. 12, 1949. O. G. Nov. 23.

Portfolios. Samuel Ward Manufacturing Co. 227,865, May 17, 1927. Republished Nov. 23.

CLASS 4

Balls, Glass. Akro Agate Company. 247,554, renewed Oct. 2, 1948. O. G. Nov. 23.

Cleaner, Liquid. Western Chemical Company. 215,632, July 20, 1926. Republished Nov. 23.

Cleaning fluid. A. H. Beggs. 247,021, renewed Sept. 18, 1948. O. G. Nov. 23.

Preserver and dressing, etc., Belt. J. E. Rhoads & Sons. 237,811, Jan. 17, 1928. Republished Nov. 23.

Soap. Gillette Safety Razor Co. 70,758, re-renewed Sept. 29, 1948. O. G. Nov. 23.

Soap. Los Angeles Soap Company. 110,051, May 2, 1916. Republished Nov. 23.

Soap. Los Angeles Soap Company. 207,464, Jan. 5, 1926. Republished Nov. 23.

Soap, Granulated. Safeway Stores, Inc. 370,265, Aug. 22, 1939. Republished Nov. 23.

Soap powder combined with mineral ingredients. Cudahy Packing Company. 504,255, Nov. 23; Serial No. 555,801.

Soap, Shaving. Jean Vivaudou Co., Inc. 441,434, Nov. 23; Serial No. 503,026.

Soap, Toilet. Los Angeles Soap Company. 151,852, Feb. 14, 1922. Republished Nov. 23.

Soap, Toilet. Los Angeles Soap Company. 344,258, Mar. 16, 1937. Republished Nov. 23.

Soaps, Toilet. Societe Commandite Chome & Cie. 189,980, renewed Sept. 30, 1944. O. G. Nov. 23.

Soap, Washing machine. Los Angeles Soap Company. 152,864, Mar. 7, 1922. Republished Nov. 23.

Soaps. Los Angeles Soap Company. 145,133, July 26, 1921. Republished Nov. 23.

Solvents. Circo Products Company. 385,042, Feb. 11, 1941. Republished Nov. 23.

CLASS 5

Acetate of alumina, citrate of alumina, acetate of barium, etc. Jacques Wolf & Co. 239,759, renewed Mar. 13, 1948. O. G. Nov. 23.

Adhesive clay composition, Prepared. E. C. Matignon. 404,867. Dec. 28, 1943. Republished Nov. 23.

Glue, Liquid, mucilage, and adhesive paste. Russia Cement Company. 72,172, re-renewed Jan. 5, 1940. O. G. Nov. 23.

Paste, Dry paper hanger's, and paper hanger's wall size. Miner-Hillard Milling Company. 291,283, Feb. 9, 1932. Republished Nov. 23.

Pastes, Dry. Penn Paste Milling Company. 197,748, Apr. 21, 1925. Republished Nov. 23.

CLASS 6

Acetaldehyde, acetanilid, acetic anhydride, etc. Mallinckrodt Chemical Works. 359,706, Aug. 30, 1938. Republished Nov. 23.

Acetate of alumina, citrate of alumina, acetate of barium, etc. Jacques Wolf & Co. 239,759, renewed Mar. 13, 1948. O. G. Nov. 23.

Alkali neutralizer in the nature of a laundry sour. Hood Chemical Co., Inc. 504,210, Nov. 23; Serial No. 543,451, published Aug. 17, 1948.

Alkaline water, Artificially-prepared. Kalak Water Co. of New York, Inc. 252,750, renewed Feb. 12, 1949. O. G. Nov. 23.

Alkaline water, Artificially-prepared. Kalak Water Co. of New York, Inc. 504,178, Nov. 23; Serial No. 537,046, published Aug. 3, 1948.

Alkanolamine carbonate polymers. Mallinckrodt Chemical Works. 504,085, Nov. 23; Serial No. 526,906, published Aug. 3, 1948.

Antiseptic, Urinary. Van Pelt and Brown, Incorporated. 504,226, Nov. 23; Serial No. 550,569, published Aug. 17, 1948.

Boiler chemicals. Bird-Archer Company. 158,184, Aug. 29, 1922. Republished Nov. 23.

Chemical admixtures, Solid or liquid. American Chemical Paint Company. 504,162, Nov. 23; Serial No. 535,115, published Aug. 10, 1948.

Chemical composition in granular or tablet form. S. W. Kendall. 504,218, Nov. 23; Serial No. 545,004, published Aug. 24, 1948.

Chemical fluid. Boyle-Midway Inc. 504,185, Nov. 23; Serial No. 537,976, published Aug. 3, 1948.

Cleansing cream, tissue cream, face lotion, etc. Los Angeles Soap Company. 341,946, Dec. 29, 1936. Republished Nov. 23.

Cleansing powder and insecticide for domestic animals, Combined. W. J. Hickmott, Jr. 504,254, Nov. 23; Serial No. 547,851.

Cologne, men's talcum powder and shaving lotions, Men's. L. G. Rothchild. 441,382, Nov. 23; Serial No. 502,079, published Mar. 18, 1947.

Cough preparation, Liquid. Great American Tea Company. 504,229, Nov. 23; Serial No. 550,919, published Aug. 24, 1948.

Cream or ointment in clear or tinted forms. A. C. Wallace. 441,373, Nov. 23; Serial No. 494,586, published Aug. 10, 1948.

Deodorants. Western Chemical Company. 241,356, Apr. 24, 1928. Republished Nov. 23.

Dietary supplement. L. A. Dentone. 441,411, Nov. 23; Serial No. 515,487, published July 20, 1948.

Disinfectant in powder form. Diversey Corporation. 504,221, Nov. 23; Serial No. 549,519, published Aug. 17, 1948.

Dyes, dyestuffs, and color in the nature of textile dyes. National Aniline & Chemical Company, Inc. 389,011, July 22, 1941. Republished Nov. 23.

Dyes, dyestuffs, and colors. National Aniline & Chemical Company, Inc. 151,553, Feb. 7, 1922. Republished Nov. 23.

Dyes, dyestuffs, and colors. National Aniline & Chemical Company, Inc. 151,556–8, Feb. 7, 1922. Republished Nov. 23.

Dyes, dyestuffs, and dye colors. National Aniline & Chemical Company, Inc. 287,316, Sept. 22, 1931. Republished Nov. 23.

Dyestuffs. Allied Chemical & Dye Corporation. 419,754, Mar. 5, 1946. Republished Nov. 23.

Dyestuffs. National Aniline & Chemical Company, Incorporated. 144,877, July 19, 1921. Republished Nov. 23.

Dyestuffs. National Aniline & Chemical Company, Inc. 372,191, Oct. 24, 1939. Republished Nov. 23.

Dyestuffs, certified food colors and intermediates. National Aniline & Chemical Company, Incorporated. 150,489, Jan. 3, 1922. Republished Nov. 23.

Dyestuffs, Coal-tar. National Aniline & Chemical Company, Inc. 123,946, Dec. 24, 1918. Republished Nov. 23.

Dyestuffs, Intermediates, and certified food-colors. National Aniline & Chemical Company, Incorporated. 145,985, Aug. 23, 1921. Republished Nov. 23.

Face creams and powders, cold cream, etc. K K K Medicine Company. 504,104, Nov. 23; Serial No. 529,470, published July 27, 1948.

Face, neck and hand cream. F. Szyperski. 504,197, Nov. 23; Serial No. 542,370, published Aug. 17, 1948.

Food-colors. National Aniline & Chemical Company, Incorporated. 136,548, Nov. 2, 1920. Republished Nov. 23.

Food-colors. National Aniline & Chemical Company, Incorporated. 138,491, Dec. 28, 1920. Republished Nov. 23.

Food-colors. National Aniline & Chemical Company, Inc. 139,008, Jan. 18, 1921. Republished Nov. 23.

Food-colors. National Aniline & Chemical Company, Inc. 139,009, Jan. 18, 1921. Republished Nov. 23.

Food-colors. National Aniline & Chemical Company, Incorporated. 139,010–13, Jan. 18, 1921. Republished Nov. 23.

Food-colors. National Aniline & Chemical Company, Incorporated. 143,107, May 24, 1921. Republished Nov. 23.

Hair and scalp tonic. P. Gorse. 387,020, Apr. 29, 1941. Republished Nov. 23.

Hairdressing. Procter & Gamble Company. 504,235, Nov. 23; Serial No. 553,015, published Aug. 24, 1948.

Hydrocarbon fumigant, Chlorinated. Huntington Laboratories, Inc. 504,071, Nov. 23; Serial No. 520,705, published Aug. 24, 1948.

Insecticide. Woolfolk Chemical Works, Ltd. 441,429, Nov. 23; Serial No. 523,445, published Aug. 17, 1948.

Insecticide, Residual. Ransford Insecticide Co. 504,242, Nov. 23; Serial No. 510,799.

Insecticide spray, Liquid. Western Chemical Company. 231,608, Aug. 23, 1927. Republished Nov. 23.

Kits consisting of chemicals, Photographic processing. Eastern Kodak Company. 504,059, Nov. 23; Serial No. 513,035, published Aug. 10, 1948.

Laundry sour in crystal form. Hood Chemical Co., Inc. 504,209, Nov. 23; Serial No. 543,450, published Aug. 17, 1948.

Liquid compound. North American Fibre Products Company. 225,383, Mar. 15, 1927. Republished Nov. 23.

Liquid preparation. A. H. Zastrow. 389,760, Aug. 19, 1941. Republished Nov. 23.

Lotion, Hair, and a liquid massaging preparation. Great American Tea Company. 504,227, Nov. 23; Serial No. 550,913, published Aug. 24, 1948.

Medical preparation. Dermik Pharmacal Co., Inc. 441,419, Nov. 23; Serial No. 518,389, published Aug. 17, 1948.

Medicinal preparation. A. R. Martino. 230,629, Aug. 2, 1927. Republished Nov. 23.

Medicinal preparation. Upjohn Company. 504,232, Nov. 23; Serial No. 551,063, published Aug. 24, 1948.

Medicinal preparation. Upjohn Company. 504,233, Nov. 23; Serial No. 551,064, published Aug. 24, 1948.

Medicinal preparation. Upjohn Company. 504,234, Nov. 23; Serial No. 551,067, published Aug. 24, 1948.

Medicinal preparation. Van Pelt and Brown, Incorporated. 504,225, Nov. 23; Serial No. 550,568, published Aug. 17, 1948.

Medicinal preparations. Upjohn Company. 504,231, Nov. 23; Serial No. 551,062, published Aug. 24, 1948.

Medicinal product, Liquid. J. E. Respondek. 504,062, Nov. 23; Serial No. 514,495, published Aug. 24, 1948.

Medicinal remedy for treatment of athlete's foot. Carlisle Drug Co. 504,053, Nov. 23; Serial No. 509,561, published Aug. 24, 1948.

Mineral supplement. Marblehead Lime Company. 419,737, Mar. 5, 1946. Republished Nov. 23.

Mouth wash and dentifrice. D. J. Barben. 441,414, Nov. 23; Serial No. 515,815, published June 8, 1948.

Mouth wash, Antiseptic. Great American Tea Company. 504,228, Nov. 23; Serial No. 550,916, published Aug. 24, 1948.
Nail polish, nail polish remover, and cuticle remover. Henkel-Clauss Company. 372,902, Nov. 21, 1939. Republished Nov. 23.
Odoriferous, Organic, and flavor-imparting chemicals, etc. Givaudan-Delawanna, Inc. 504,203, Nov. 23; Serial No. 543,038, published Aug. 17, 1948.
Parasiticides, insecticides, Plant and horticultural. California Spray-Chemical Corporation. 441,412, Nov. 23; Serial No. 515,655, published July 27, 1948.
Perfume extracts. L. T. Piver, Inc. 253,507, renewed Feb. 26, 1949. O. G. Nov. 23.
Perfume, lipsticks, rouge, etc. J. May. 441,367, Nov. 23; Serial No. 481,232, published July 16, 1946.
Perfumes. Societe a Responsabilite Limitee Forlane. 441,418, Nov. 23; Serial No. 518,259, published July 20, 1948.
Perfumes, eau de cologne, bath essences, etc. Wolff Freres, Inc. 504,222–3, Nov. 23; Serial Nos. 550,191–2, published Aug. 17, 1948.
Perfumes, toilet water, cologne, etc. Benard & Honnorat. 504,220, Nov. 23; Serial No. 548,313, published Aug. 17, 1948.
Perfumes, toilet waters, face lotions, etc. Vigny, Inc. 504,063, Nov. 23; Serial No. 514,636, published Aug. 10, 1948.
Perfumes, toilet waters, face powder. Societe Commandite Chome & Cie. 190,211, renewed Oct. 7, 1944. O. G. Nov. 23.
Pills. M. Leprince. 21,926, re-renewed Nov. 1, 1942. O. G. Nov. 23.
Powder for billiard players, Talcum. Brunswick-Balke-Collender Company. 504,109, Nov. 23; Serial No. 529,960, published Aug. 3, 1948.
Preparation for alleviating discomforts of excess stomach acidity, etc. E. C. De Witt & Company. 32,134, Nov. 8, 1898. New certificate Nov. 23, 1948. O. G. Nov. 23.
Preparation for growing hair. J. Biondi. 254,199, renewed Mar. 12, 1949. O. G. Nov. 23.
Preparation for the treatment of foot troubles. Scholl Manufacturing Company, Inc. 194,537, renewed Jan. 5, 1948. O. G. Nov. 23.
Preparation for the treatment of jaundice, headache, dyspepsia, etc. Whitehall Pharmacal Company. 504,183, Nov. 23; Serial No. 537,642, published Aug. 3, 1948.
Preparation for treatment of sewerage and sewerage sludges, wastes for textile mills, etc. Tennessee Corporation. 373,086, Nov. 21, 1939. Republished Nov. 23.
Preparations for oral hygiene. Orex Laboratories, Inc. 441,416, Nov. 23; Serial No. 516,566, published Aug. 17, 1948.
Roach, ant, rat and mouse exterminator. De Soto Chemical Co., Inc. 243,312, renewed June 19, 1948. O. G. Nov. 23.
Sal soda and bicarbonate of soda and baking soda. Church & Dwight Co., Inc. 504,083, Nov. 23; Serial No. 526,784, published Aug. 24, 1948.
Sal soda, bicarbonate of soda (baking soda). Church & Dwight Co., Inc. 504,084, Nov. 23; Serial No. 526,788, published Aug. 3, 1948.
Shampoos, hair tonics, hair oils, etc., Hair. M. Handman. 504,224, Nov. 23; Serial No. 550,505, published Aug. 17, 1948.
Spirits for filling pocket cigarette and cigar lighters. Peoples Drug Stores, Inc. 253,125, renewed Feb. 19, 1949. O. G. Nov. 23.
Starch, Liquid, laundry starch, perfumed starch, etc. Great American Tea Company. 504,230, Nov. 23; Serial No. 551,007, published Aug. 24, 1948.
Suppositories, Rectal. G. D. Searle & Co. 441,380, Nov. 23; Serial No. 501,286, published Aug. 10, 1948.
Tablet, Medicinal. I. A. Morse. 441,408, Nov. 23; Serial No. 514,835, published Aug. 3, 1948.
Teniacides. Fort Dodge Laboratories, Inc. 504,206, Nov. 23; Serial No. 543,161, published Aug. 17, 1948.
Therapeutic preparation. Burroughs Wellcome & Co. (U. S. A.) Inc. 504,064, Nov. 23; Serial No. 515,696, published Aug. 3, 1948.
Toilet preparations. Dermetics, Inc. 441,422, Nov. 23; Serial No. 521,638, published July 27, 1948.
Toilet preparations. John H. Woodbury, Inc. 305,546, Aug. 22, 1933. Republished Nov. 23.
Toilet water, perfume, perfume extracts, etc. Best & Co. Inc. 441,415, Nov. 23; Serial No. 515,998, published July 27, 1948.
Tonic, Live stock. D. S. Simpson. 504,112, Nov. 23; Serial No. 530,683, published Aug. 17, 1948.
Tonic, recommended for the treatment of secondary anemia, Reconstructive. Table Rock Laboratories, Inc. 504,091, Nov. 23; Serial No. 527,315, published Aug. 17, 1948.
Undercoat for nail polish, Liquid. Elizabeth Arden Sales Corp. 504,113, Nov. 23; Serial No. 530,707, published Aug. 17, 1948.
Vitamin preparation. H. W. Kinney and Sons, Inc. 504,060, Nov. 23; Serial No. 513,514.
Vitamin preparations, analgesics, hypnotics, etc. Parke, Davis & Company. 504,136, Nov. 23; Serial No. 533,046, published Aug. 17, 1948.
Vitamins, iron for use as a dietary supplement, iodine, etc. R. I. Guy. 504,190, Nov. 23; Serial No. 540,408, published Aug. 17, 1948.

CLASS 8

Stands, Smoking, ash receivers, smoker's sets, etc. Chase Brass & Copper Co. Incorporated. 394,727, Apr. 28, 1942. Republished Nov. 23.

CLASS 10

Fertilizer. Reliance Fertilizer Company. 349,384, Aug. 24, 1937. Republished Nov. 23.
Fertilizers. Tennessee Corporation. 377,688, May 14, 1940. Republished Nov. 23.
Lime. Woodville Lime Products Company. 252,941, renewed Feb. 19, 1949. O. G. Nov. 23.
Mixture of mineral elements. Tennessee Corporation. 405,145, Jan. 11, 1944. Republished Nov. 23.

CLASS 11

Carbon paper and typewriter ribbon. Phillips Ribbon & Carbon Co., Inc. 206,919–20, Dec. 15, 1925. Republished Nov. 23.

CLASS 12

Asbestos heat insulating blocks, Hydraulically bonded. United States Gypsum Company. 417,681, Nov. 13, 1945. Republished Nov. 23.
Brick, Face, common brick, and fireproofing tile. Alliance Clay Product Co. 230,398, July 19, 1927. Republished Nov. 23.
Casting plaster, Gypsum. United States Gypsum Company. 409,665, Oct. 17, 1944. Republished Nov. 23.
Cement compositions, Gypsum. United States Gypsum Company. 401,120, Apr. 27, 1943. Republished Nov. 23.
Cement, Hydraulic. Ash Grove Lime & Portland Cement Co. 231,618, Aug. 23, 1927. Republished Nov. 23.
Clips, Metallic, for attaching building boards. United States Gypsum Company. 372,325–6, Oct. 31, 1939. Republished Nov. 23.
Cut-logs for buildings, Ready. Pioneer Log Cabin Company, Inc. 386,747, Apr. 22, 1941. Republished Nov. 23.
Emulsion of coal tar pitch, Anti-corrosive, irreversible. Selby, Battersby and Company. 416,921, Oct. 2, 1945. Republished Nov. 23.
Fiber board, Acoustical. United States Gypsum Company. 372,333, Oct. 31, 1939. Republished Nov. 23.
Gypsum, Calcined. United States Gypsum Company. 273,568, Aug. 5, 1930. Republished Nov. 23.
Gypsum, Calcined, wall plaster, and finishing plaster. United States Gypsum Company. 160,711, Oct. 24, 1922. Republished Nov. 23.
Insulation batts. Standard Cotton Products Co., Inc. 401,047, Apr. 20, 1943. Republished Nov. 23.
Leaders, gutters, elbows for eaves, etc. Sheet Metal Manufacturing Company, Inc. 347,741, July 6, 1937. Republished Nov. 23.
Leveling compound and crack filler. Selby, Battersby and Company. 420,024, Mar. 19, 1946. Republished Nov. 23.
Materials for plastic and mastic floor and deck coverings. Selby, Battersby & Company. 380,658, Aug. 27, 1940. Republished Nov. 23.
Paints, Ready-mixed cold water and paste, dry paint colors, paint thinners, etc. North American Paint & Chemical Co. Ltd. 293,021, Apr. 5, 1932. Republished Nov. 23.
Plaster and calcined gypsum, Wall. United States Gypsum Company. 160,710, Oct. 24, 1922. Republished Nov. 23.
Plaster, Calcined gypsum. United States Gypsum Company. 386,653, Apr. 22, 1941. Republished Nov. 23.
Plaster composition, Casting. United States Gypsum Company. 373,842, Dec. 26, 1939. Republished Nov. 23.
Plaster, Gypsum. United States Gypsum Company. 410,589, Dec. 5, 1944. Republished Nov. 23.
Plaster of Paris, wall plaster, etc., Calcined gypsum. United States Gypsum Company. 160,704, Oct. 24, 1922. Republished Nov. 23.
Rugs and drapable sheet coverings, Floor. Sponge Rubber Products Company. 357,290, May 31, 1938. Republished Nov. 23.
Structural material of rubber composition. Sponge Rubber Products Company. 356,438, Apr. 26, 1938. Republished Nov. 23.
Tile, Acoustical. United States Gypsum Company. 391,246, Oct. 28, 1941. Republished Nov. 23.

CLASS 13

Automotive parts. King Manufacturing Corporation. 244,575, July 24, 1928. Republished Nov. 23.
Bands, stays, open seals, etc. Acme Steel Company. 247,878, renewed Oct. 9, 1948. O. G. Nov. 23.
Clips, Rope. American Hoist & Derrick Company. 50,804, Apr. 3, 1906. Republished Nov. 23.
Dishes, Soap, towel bars, roll holders, etc. Autoyre Company, Incorporated. 366,094, Mar. 28, 1939. Republished Nov. 23.
Strainers, Sink. Master Metal Products, Inc. 247,220, renewed Sept. 25, 1948. O. G. Nov. 23.

CLASS 14

Alloys, Antifriction. Manganese Bronze & Brass Co. Ltd. 69,044, re-renewed May 19, 1948. O. G. Nov. 23.
Alloys, Metallic. Manganese Bronze & Brass Co. Ltd. 69,043, re-renewed May 19, 1948. O. G. Nov. 23.
Alloys, Metallic. Manganese Bronze & Brass Co. Ltd. 69,067, re-renewed May 19, 1948. O. G. Nov. 23.
Lead and alloys. Bearium Bearings, Inc. 240,220, Mar. 20, 1928. Republished Nov. 23.
Lead and alloys. Bearium Bearings, Inc. 241,054, Apr. 17, 1928. Republished Nov. 23.
Sheets and plates, Perforated metal. Diamond Manufacturing Company. 194,139, Jan. 13, 1925. Republished Nov. 23.

CLASS 15

Gasoline, fuel oils. True's Oil Company. 113,182, Oct. 10, 1916. Republished Nov. 23.
Kerosene and illuminating oils. True's Oil Company. 113,179, Oct. 10, 1916. Republished Nov. 23.
Kerosene, illuminating oils. True's Oil Company. 113,180, Oct. 10, 1916. Republished Nov. 23.
Oil and gasoline, Lubricating. Manning Mfg. Co. 373,746, Dec. 19, 1939. Republished Nov. 23.
Oils and greases. Star Oil Company. 433,673, Oct. 28, 1947. Republished Nov. 23.
Oils, Lubricating. True's Oil Company. 113,181, Oct. 10, 1916. Republished Nov. 23.
Oils, Lubricating. True's Oil Company. 117,222–4, June 19, 1917. Republished Nov. 23.
Oils, Motor-lubricating. Dearborn Chemical Company. 250,018, renewed Nov. 27, 1948. O. G. Nov. 23.
Oils, Penetrating. Shaler Company. 366,667, Apr. 25, 1939. Corrected. O. G. Nov. 23.

CLASS 16

Chips and pastes. C. J. Osborn Co. 335,286, June 2, 1936. Republished Nov. 23.
Emulsion of coal tar pitch, Cold applied stable. Selby, Battersby and Company. 421,015, May 14, 1946. Republished Nov. 23.
Enamel undercoating, White. Great Lakes Varnish Works, Inc. 203,248, Sept. 15, 1925. Republished Nov. 23.
Lacquer, Linoleum. Great Lakes Varnish Works, Inc. 416,973, Oct. 9, 1945. Republished Nov. 23.
Paint, Aluminum, aluminum-paint undercoater or primer. Detroit Graphite Company. 224,320, Feb. 22, 1927. Republished Nov. 23.
Paint enamel. Great Lakes Varnish Works, Inc. 212,194, Apr. 27, 1926. Republished Nov. 23.
Paint enamels. Great Lakes Varnish Works, Inc. 212,323, Apr. 27, 1926. Republished Nov. 23.
Paint finishes, Automotive. Old Colony Paint & Chemical Co. 394,577, Apr. 14, 1942. Republished Nov. 23.
Paint, House, paint enamels, varnish stains, etc. Con-Ferro Paint & Varnish Company. 221,175, Nov. 23, 1926. Republished Nov. 23.
Paint or coating material. Muralo Company. 31,981, re-renewed Sept. 20, 1948. O. G. Nov. 23.
Paint, Ready-mixed. Detroit Graphite Company. 270,108, Apr. 29, 1930. Republished Nov. 23.
Paints and enamels. Boston Varnish Co. 129,333, Feb. 17, 1920. Corrected. O. G. Nov. 23.
Paints, dry, paste, semipaste, and ready-mixed. Detroit Graphite Company. 206,011, Nov. 24, 1925. Republished Nov. 23.
Paints in ready-mixed form, Deck. International Paint Company, Inc. 393,536, Feb. 17, 1942. Republished Nov. 23.
Paints, Metal protective. Detroit Graphite Company. 417,905, Nov. 20, 1945. Republished Nov. 23.
Paints, mixed paints, and enamels. Holzapfel's Compositions Company, Limited. 58,489, Dec. 18, 1906. Republished Nov. 23.
Paints, Protective and fire-retarding. Detroit Graphite Company. 164,331, Feb. 20, 1923. Republished Nov. 23.
Paints, Ready-mixed. International Paint & Compositions Company, Limited. 252,377, Feb. 5, 1929. Republished Nov. 23.
Paints, Ready-mixed cold water and paste, dry paint colors, paint thinners, etc. North American Paint & Chemical Co. Ltd. 293,021, Apr. 5, 1932. Republished Nov. 23.
Paints, Ready-mixed paste and semipaste, paint enamels in liquid form, and varnishes. Detroit Graphite Company. 150,331, Jan. 3, 1922. Republished Nov. 23.
Paints, Ready-mixed, varnish stains, and paint enamels. Con-Ferro Paint & Varnish Co. 167,928, May 8, 1923. Republished Nov. 23.
Paints, Ready-mixed, varnish stains, quick drying enamels, etc. City Paint Company. 336,449, July 7, 1936. Republished Nov. 23.
Stains, Oil. Great Lakes Varnish Works, Inc. 203,246, Sept. 15, 1925. Republished Nov. 23.
Varnish, Ready-mixed, furniture polish; dry, ready-mixed, and paste paints, etc. L. A. Goldberg. 224,154, Feb. 22, 1927. Republished Nov. 23.
Varnishes. American Varnish Company. 20,262, Oct. 27, 1891. Republished Nov. 23.
Varnishes. J. B. Cornish. 125,203, Apr. 22, 1919. Republished Nov. 23.
Varnishes. Great Lakes Varnish Works, Inc. 210,484, Mar. 16, 1926. Republished Nov. 23.
Wall finish, Washable. Detroit Graphite Company. 210,749, Mar. 23, 1926. Republished Nov. 23.
Wax, Floor. Selby, Battersby and Company. 425,286, Nov. 12, 1946. Republished Nov. 23.

CLASS 17

Cigars. Grabosky Bros., Inc. 404,448–9, Nov. 23, 1943. Republished Nov. 23.
Tobacco, cigars and cigarettes. Abdulla & Company Limited. 70,157, re-renewed Aug. 4, 1948. O. G. Nov. 23.

CLASS 19

Airplanes. Piper Aircraft Corporation. 364,479, Jan. 31, 1939. Republished Nov. 23.
Boats. Flour City Ornamental Iron Company. 504,097, Nov. 23; Serial No. 528,438, published Aug. 17, 1948.
Buses. Mercury Aircraft, Inc. 504,126, Nov. 23; Serial No. 532,316, published Aug. 17, 1948.
Heaters and parts thereof, Vehicle. E. A. Laboratories, Inc. 349,193, Aug. 24, 1937. Republished Nov. 23.
Radiator and gasoline filler caps, Vehicle. Stant Manufacturing Company. 317,713, Oct. 2, 1934. Republished Nov. 23.

CLASS 21

Batteries, Electric. General Dry Batteries, Inc. 220,666, Nov. 16, 1926. Republished Nov. 23.
Batteries, Electric. General Dry Batteries, Inc. 285,731, Aug. 4, 1931. Republished Nov. 23.
Conductors, Insulated electrical, wires and cables, and insulating sleeving. Rome Cable Corporation. 390,205, Sept. 9, 1941. Republished Nov. 23.
Display signs, Electrically illuminated advertising. Ohio Advertising Display Company. 540,244–5, Nov. 23; Serial Nos. 518,848–9.
Fans, Electric. O. A. Sutton Corporation, Incorporated. 419,118, Feb. 5, 1946. Republished Nov. 23.
Heating panels for use in building construction, Prefabricated electrical. M. C. Richardson. 441,435, Nov. 23; Serial No. 503,465.
Plants, Unitary electric-lighting, electric flood lights, and electric lanterns. F. E. Hutchison. 243,144, renewed June 12, 1948. O. G. Nov. 23.
Rheostats. James G. Biddle Co. 391,867, Nov. 25, 1941. Republished Nov. 23.
Storage batteries and their parts. Perrine Quality Products Corporation. 309,361, Jan. 9, 1934. Republished Nov. 23.
Transformers and fluorescent lamp ballasts, Fluorescent lamp. Advance Transformer Co. 427,829, Feb. 25, 1947. Republished Nov. 23.
Vaporizing apparatuses, Electrically heated solvent. Circo Products Company. 385,823, Mar. 18, 1941. Republished Nov. 23.

CLASS 22

Bait, Artificial. Enterprise Manufacturing Company. 250,005–6, renewed Nov. 27, 1948. O. G. Nov. 23.
Balls and playsets, Play. Sponge Rubber Products Company. 365,114, Feb. 21, 1939. Republished Nov. 23.
Baseballs, baseball mitts, baseball gloves, etc. A. G. Spalding & Bros. Inc. 504,189, Nov. 23; Serial No. 540,215, published Aug. 3, 1948.
Cards, Playing. O. H. Guthell. 441,384, Nov. 23; Serial No. 502,821, published Aug. 17, 1948.
Cards, Playing. R. N. Wilson. 441,385, Nov. 23; Serial No. 502,731, published July 27, 1948.
Casings for coin operated amusement games, etc. Extra-bell Co. 441,383, Nov. 23; Serial No. 502,130, published July 20, 1948.
Dolls. Max Eckardt & Sons, Inc. 441,410, Nov. 23; Serial No. 515,372, published Aug. 17, 1948.
Dolls, Ideal Novelty & Toy Co. 504,057, Nov. 23; Serial No. 511,997, published June 22, 1948.
Dolls. Imperial Crown Toy Corp. 441,433, Nov. 23; Serial No. 526,232, published July 6, 1948.
Fish-hooks. O. Mustad & Son. 70,704, re-renewed Sept. 29, 1948. O. G. Nov. 23.
Fish hooks and artificial fish lures. Wright & McGill Co. 504,251, Nov. 23; Serial No. 531,072.
Fish-hooks, leaders, flies, etc. Enterprise Manufacturing Company. 71,940, re-renewed Dec. 22, 1948. O. G. Nov. 23.
Fish lures. James Heddon's Sons. 504,070, Nov. 23; Serial No. 520,507, published Aug. 17, 1948.
Fish lures. James Heddon's Sons. 504,150, Nov. 23; Serial No. 534,126, published July 20, 1948.
Fish lures. James Heddon's Sons. 504,152, Nov. 23; Serial No. 534,139, published July 20, 1948.
Fish lures. James Heddon's Sons. 504,154, Nov. 23; Serial No. 534,142, published July 20, 1948.
Fish lures. Wood Manufacturing Co. 441,386, Nov. 23; Serial No. 503,490, published July 13, 1948.
Fish lures, fishing rods, and fishing reels. James Heddon's Sons. 504,151, Nov. 23; Serial No. 534,138, published July 13, 1948.
Fish lures, fishing rods, and fishing reels. James Heddon's Sons. 504,153, Nov. 23; Serial No. 534,140, published July 20, 1948.
Fishing equipment. W. N. de Sherbinin. 441,387, Nov. 23; Serial No. 504,342, published July 13, 1948.

Fishing games and other games. S. L. Crowell. 441,425, Nov. 23; Serial No. 522,450, published July 27, 1948.
Fishing line. A. Jaekil Fabrics, Inc. 504,073, Nov. 23; Serial No. 521,189, published Aug. 3, 1948.
Fishing lines. B. F. Gladding & Co. Inc. 504,088, Nov. 23; Serial No. 527,082, published Aug. 17, 1948.
Fishing lines, fishing rods and fishing reels. Shapleigh Hardware Company. 504,119, Nov. 23; Serial No. 531,727, published Aug. 17, 1948.
Fishing-reel parts. Enterprise Manufacturing Company. 250,007, renewed Nov. 27, 1948. O. G. Nov. 23.
Fishing rods. James Heddon's Sons. 504,149, Nov. 23; Serial No. 534,123, published July 27, 1948.
Fishing tackle. Henry Milward & Sons Limited. 246,567–8, renewed Sept. 11, 1948. O. G. Nov. 23.
Fishing tackles. Mille Lacs Lake Spinner Co. 504,238, Nov. 23; Serial No. 500,996.
Footballs. A. G. Spalding & Bros. Inc. 504,173, Nov. 23; Serial No. 536,556, published July 20, 1948.
Footballs, basketballs, and fielder's gloves. M. Kaneff. 441,394, Nov. 23; Serial No. 506,452, published July 13, 1948.
Footballs, basketballs, soccerballs, etc. J. B. Singer. 441,393, Nov. 23; Serial No. 506,393, published July 27, 1948.
Game, Board. Selchow & Righter Company. 504,137, Nov. 23; Serial No. 533,405, published July 20, 1948.
Game, Board. Selchow & Righter Company. 504,139–40, Nov. 23; Serial Nos. 533,407–8, published July 20, 1948.
Game, Card. Selchow & Righter Company. 504,138, Nov. 23; Serial No. 533,406, published July 20, 1948.
Game, Fortune telling. Y. Sakai. 504,166, Nov. 23; Serial No. 535,263, published July 20, 1948.
Game scoring boards. Hall-Smith Co. 504,177, Nov. 23; Serial No. 536,893, published July 27, 1948.
Golf club head covers. J. S. White. 409,822, Oct. 24, 1944. Republished Nov. 23.
Golf clubs. James H. Boye Manufacturing Co. 252,479, renewed Feb. 5, 1949. O. G. Nov. 23.
Golf clubs. A. G. Spalding & Bros. Inc. 441,399, Nov. 23; Serial No. 508,621, published Dec. 24, 1946.
Golf clubs. A. G. Spalding & Bros. Inc. 504,174, Nov 23; Serial No. 536,558, published July 20, 1948.
Golf clubs. A. G. Spalding & Bros. Inc. 504,175, Nov 23; Serial No. 536,648, published July 20, 1948.
Golf clubs. A. G. Spalding & Bros. Inc. 504,176, Nov. 23; Serial No. 536,651, published Aug. 3, 1948.
Golf clubs and parts of golf clubs. K. Smith. 504,167, Nov. 23; Serial No. 535,268, published July 13, 1948.
Kits for blowing plastic bubbles. Thermocor Products, Inc. 504,134, Nov. 23; Serial No. 532,970, published July 20, 1948.
Pistols, Water. Arpin Products, Inc. 504,171, Nov. 23; Serial No. 536,216, published July 20, 1948.
Play sets. Sponge Rubber Products Company. 365,963, Mar. 21, 1939. Republished Nov. 23.
Play sets. Sponge Rubber Products Company. 367,562, May 23, 1939. Republished Nov. 23.
Tennis rackets, badminton rackets, squash rackets, etc. A. G. Spalding & Bros. Inc. 504,180, Nov. 23; Serial No. 537,627, published Aug. 3, 1948.
Tennis rackets, badminton rackets, squash rackets, etc. A. G. Spalding & Bros. Inc. 504,181–2, Nov. 23; Serial No. 537,630–1, published Aug. 3, 1948.
Tennis rackets, badminton rackets, squash rackets, etc. A. G. Spalding & Bros. Inc. 504,186, Nov. 23; Serial No. 538,667, published Aug. 3, 1948.
Tops of the bandalore type, Spinning. Cheerio Toys & Games Limited. 441,391, Nov. 23; Serial No. 505,182, published July 27, 1948.
Toy aircraft. Ludington-Griswold, Inc. 441,402, Nov. 23; Serial No. 510,849, published Aug. 17, 1948.
Toy building kits, Cut logs. Pioneer Log Cabin Company, Inc. 381,240, Sept. 17, 1940. Republished Nov. 23.
Toy, Clacker. H. Goetze. 441,369, Nov. 23; Serial No. 490,116, published July 13, 1948.
Toy dolls and figures. Twinzy Toy Company. 504,161, Nov. 23; Serial No. 535,104, published July 20, 1948.
Toy game. E. J. Posvar. 441,378, Nov. 23; Serial No. 500,571, published July 27, 1948.
Toy wagons. Metal Arts Company. 441,370, Nov. 23; Serial No. 490,440, published July 27, 1948.
Toys, Animal pull, toy animals, toy wagons, etc. Lionel Corporation. 441,366, Nov. 23; Serial No. 480,293, published July 27, 1948.
Toys, Musical. F. Erdos. 441,397, Nov. 23; Serial No. 507,975, published July 20, 1948.
Trick and magical effects apparatus, Magician's. Petrie-Lewis Mfg. Co., Inc. 441,395, Nov. 23; Serial No. 506,793, published Aug. 17, 1948.

CLASS 23

Apparatus for steam-cleaning automobile engines and its parts, and for cleaning air filters, etc. Circo Products Company. 387,171, May 6, 1941. Republished Nov. 23.
Augers, auger bits, car bits, etc. Greenlee Bros. & Co. 224,194, Feb. 22, 1927. Republished Nov. 23.
Automotive parts. King Quality Products Inc. 244,588, July 24, 1928. Republished Nov. 23.
Deckling and beveling machines, paper-drinking-cup making machines, etc. Lester and Wasley Co., Inc. 247,777, renewed Oct. 2, 1948. O. G. Nov. 23.
Degreasers. Circo Products Company. 422,647–8, Aug. 6, 1946. Republished Nov. 23.
Drills and reamers, Twist. United Drill & Tool Corporation. 394,115, Mar. 17, 1942. Republished Nov. 23.
Drills, Twist, reamers, milling cutters, etc. United Drill and Tool Corporation. 360,258, Sept. 13, 1938. Republished Nov. 23.
Gearing, Adjustable transmission. Speed-Jack Company. 403,759, Oct. 19, 1943. Republished Nov. 23.
Grinding machines, Precision. Heald Machine Company. 248,760, renewed Oct. 30, 1948. O. G. Nov. 23.
Injectors, Steam-boiler. Penberthy Injector Company. 71,070, re-renewed Oct. 27, 1948. O. G. Nov. 23.
Machines for securing or swedging screws on spectacle frames and mountings, etc. Cosmet Corporation. 407,168, May 23, 1944. Republished Nov. 23.
Mixing machines, Bakers'. Century Machine Company. 231,204, Aug. 16, 1927. Republished Nov. 23.
Proportioning plants. Blaw-Knox Company. 211,130, Apr. 6, 1926. Republished Nov. 23.
Shears, Flower-holding. Henkel-Clauss Company. 392,480, Dec. 30, 1941. Republished Nov. 23.
Shovels and scoops. Ames Baldwin Wyoming Co. 380,738, Aug. 27, 1940. Republished Nov. 23.
Shovels and scoops. Ames Shovel and Tool Company. 229,646, July 5, 1927. Republished Nov. 23.
Shovels, spades, and scoops. Ames Shovel & Tool Company. 92,617, July 22, 1913. Republished Nov. 23.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 225,905, Mar. 29, 1927. Republished Nov. 23.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 226,596, Apr. 12, 1927. Republished Nov. 23.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 226,600, Apr. 12, 1927. Republished Nov. 23.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 228,227, May 24, 1927. Republished Nov. 23.
Shovels, spades, scoops, etc. Baldwin Tool Works. 174,760, Oct. 23, 1923. Republished Nov. 23.
Shovels, spades, scoops, etc. Baldwin Tool Works. 271,728, June 17, 1930. Republished Nov. 23.
Shovels, spades, scoops, etc. Wyoming Shovel Works. 138,887, Jan. 11, 1921. Republished Nov. 23.
Tools and parts thereof. Ames Shovel and Tool Company. 258,347, July 2, 1929. Republished Nov. 23.
Tools and parts thereof. Ames Shovel and Tool Company. 262,338–9, Oct. 8, 1929. Republished Nov. 23.
Wire-stitching and stapling machines and parts thereof. Boston Wire Stitcher Company. 135,920, Oct. 26, 1920. Republished Nov. 23.
Wrapping and packaging machine, Bread. Gellman Manufacturing Company. 432,244, Aug. 26, 1947. Republished Nov. 23.
Wrenches, socket wrenches, whether detachable or solid sockets, male or female, etc. Bonney Forge & Tool Works. 252,434, renewed Feb. 5, 1949. O. G. Nov. 23.

CLASS 24

Laundry washers, Metallic, clothes tumblers, laundry centrifugal extractors, etc. American Laundry Machinery Company. 155,192, May 23, 1922. Republished Nov. 23.
Laundry washers, Wooden, wooden and metallic laundry washers, etc. American Laundry Machinery Company. 156,610, July 11, 1922. Republished Nov. 23.

CLASS 25

File box for documents, Portable lockable. New Process Company. 353,728, Jan. 18, 1938. Republished Nov. 23.

CLASS 26

Cameras, Photograph. Ansco Photoproducts, Inc. 249,472, renewed Nov. 13, 1948. O. G. Nov. 23.
Cameras, Photographic. Ansco Photoproducts, Inc. 249,040, renewed Nov. 6, 1948. O. G. Nov. 23.
Cameras, Photographic. Ansco Photoproducts, Inc. 249,170, renewed Nov. 6, 1948. O. G. Nov. 23.
Eye glass lenses and eye glass edge finishes. N. P. Benson Optical Company, Inc. 375,873, Mar. 5, 1940. Republished Nov. 23.
Eye glass lenses and eye glass edge finishes. N. P. Benson Optical Co., Inc. 379,537, July 16, 1940. Republished Nov. 23.
Eye glass lenses and eye glass edge finishes. N. P. Benson Optical Company Inc. 397,784, Sept. 22, 1942. Republished Nov. 23.
Photographic equipment and optical equipment, etc.. Federal Manufacturing and Engineering Corp. 440,801, Sept. 28, 1948. Corrected. O. G. Nov. 23.
Tapes and rules of steel and wood, Measuring. Master Rule Manufacturing Co., Inc. 412,565, Mar. 13, 1945. Republished Nov. 23.
Transmitting and/or receiving devices, Electrical. Bendix Aviation Corporation. 414,108, May 29, 1945. Republished Nov. 23.

CLASS 28

Rings, Finger, earrings, and bracelets. Turquoise Indian Trading Co. 428,772, Apr. 1, 1947. Republished Nov. 23.
Flat and hollow ware and cutlery, Silver-plated. Wm. A. Rogers, Limited. 115,395, Feb. 6, 1917. Republished Nov. 23.

Flat ware and silverplated tableware, Silverplated. Oneida Community, Limited. 134,050, Aug. 10, 1920. Republished Nov. 23.
Flat-ware, Silver-plated, silver-plated-tableware and silver-plated cutlery. Oneida Community, Limited. 171,329, Aug. 7, 1923. Republished Nov. 23.
Hollow and flat table ware, Silver plated. Oneida Community, Limited. 316,341, Aug. 21, 1934. Republished Nov. 23.

CLASS 30

China tableware and china art objects. Castleton China Incorporated. 504,087, Nov. 23; Serial No. 526,978, published Aug. 31, 1948.
Pottery and china articles. Pickard, Incorporated. 504,103, Nov. 23; Serial No. 529,402, published Aug. 17, 1948.

CLASS 31

Coolers, Ice cooled water, and mechanically cooled water coolers. Cordley & Hayes. 504,066, Nov. 23; Serial No. 518,202, published Aug. 17, 1948.
Cooling machines incorporating electric refrigeration systems, Milk. Babson Bros. Co. 504,079, Nov. 23; Serial No. 526,552, published Aug. 17, 1948.
Display cases, Refrigerator. Minneapolis Show Case and Fixture Co. 504,106, Nov. 23; Serial No. 529,792, published Aug. 17, 1948.
Display cases, Refrigerator open type produce. Weber Showcase & Fixture Co., Inc. 504,120, Nov. 23; Serial No. 531,971, published June 1, 1948.
Filtering apparatus. L. Ruprecht. 441,407, Nov. 23; Serial No. 512,935, published Aug. 10, 1948.
Filtering materials. O. E. Giese. 441,430, Nov. 23; Serial No. 524,870, published Aug. 17, 1948.
Filters and grease extractors. Elliott Company. 504,095, Nov. 23; Serial No. 528,200, published Aug. 10, 1948.
Filters, Electrostatic air. Trion, Inc. 504,130, Nov. 23; Serial No. 532,660, published Aug. 17, 1948.
Filters, Fluid. Metafiltration Company Limited. 441,377, Nov. 23; Serial No. 499,908, published Aug. 17, 1948.
Filters, Mechanical. Hercules Filter Corporation. 441,365, Nov. 23; Serial No. 475,754, published Aug. 17, 1948.
Machines for freezing ice. Automatic Ice Corporation. 504,132, Nov. 23; Serial No. 532,795, published Aug. 17, 1948.
Refrigerating apparatus embodying self-defrosting means. Kramer Trenton Company. 441,372, Nov. 23; Serial No. 493,366, published Aug. 10, 1948.
Refrigerators. Coolerator Company. 504,051, Nov. 23; Serial No. 507,889, published Aug. 10, 1948.
Refrigerators, refrigerator parts, automatic refrigerators, etc. Electrolux Servel Corporation. 248,774, renewed Oct. 30, 1948. O. G. Nov. 23.
Show cases, Refrigerated. A. Kux. 441,426, Nov. 23; Serial No. 522,741, published Aug. 17, 1948.

CLASS 32

Cabinets, Kitchen. Whitehead Metal Products Company, Inc. 374,711, Jan. 23, 1940. Republished Nov. 23.
Table and cabinet tops, Enamel metal. Ingram-Richardson Manufacturing Company. 108,166, Jan. 18, 1916. Republished Nov. 23.

CLASS 33

Glasses, Drinking. A. Villaudy. 441,431, Nov. 23; Serial No. 525,050, published Aug. 24, 1948.

CLASS 34

Barbecuing stand, Portable outdoor. A. C. Lange. 504,248, Nov. 23; Serial No. 528,935.
Burners and industrial heating equipment, Gas burning fluid fuel. Selas Corporation of America. 441,403, Nov. 23; Serial No. 511,295, published Aug. 10, 1948.
Device for the separation of dust from air. Breuer Electric Mfg. Co. 441,417, Nov. 23; Serial No. 517,180, published June 29, 1948.
Fluid fuel burners and parts therefor, Gas distribution apparatus and parts thereof. Selas Corporation of America. 441,404, Nov. 23; Serial No. 511,902, published Aug. 3, 1948.
Heaters, Circulating space. Washington Stove Works. 504,184, Nov. 23; Serial No. 537,772, published Aug. 10, 1948.
Heaters, deaerating heaters, surface condensers, etc., Feed water. Elliott Company. 504,094, Nov. 23; Serial No. 528,199, published Aug. 10, 1948.
Heaters, Water. Southern Heater Company, Inc. 504,050, Nov. 23; Serial No. 507,659, published Aug. 10, 1948.
Stoves and furnaces, Cooking and heating. Gray & Dudley Company. 504,147–8, Nov. 23; Serial Nos. 534,108–9, published Aug. 17, 1948.
Stoves and ranges, Gas. Odin Stove Manufacturing Company. 298,413, Oct. 25, 1932. Republished Nov. 23.
Stoves, Gas heating and cooking. Odin Stove Manufacturing Company. 205,314–15, Nov. 3, 1925, Republished Nov. 23.
Stoves, ranges, furnaces, and heaters. Weir Stove Company. 47,409, Oct. 31, 1905. Republished Nov. 23.
Stoves, ranges, heaters, etc., Gas. Henry Waterman & Bros. Corp. 332,917, Mar. 3, 1936. Republished Nov. 23.
Tanks and hot water storage units, Hot water. Whitehead Metal Products Company, Inc. 378,324, June 4, 1940. Republished Nov. 23.
Torches and plumbers' furnaces, Gas. Insto-Gas Corporation. 397,160, Aug. 25, 1942. Republished Nov. 23.
Torches, Blow. Stark Tool Company. 291,759, Feb. 23, 1932. Republished Nov. 23.
Wicking, Woven asbestos oil stove. Raybestos-Manhattan, Inc. 504,108, Nov. 23; Serial No. 529,931, published Aug. 10, 1948.

CLASS 35

Hose, Fabric. Eureka Fire Hose Manufacturing Company. 71,467, re-renewed Nov. 24, 1948. O. G. Nov. 23.
Hose, Linen. Eureka Fire Hose Company. 32,062, re-renewed Oct. 18, 1948. O. G. Nov. 23.
Hose, Rubber-lined cotton. Eureka Fire Hose Company. 32,058–61, re-renewed Oct. 18, 1948. O. G. Nov. 23.
Vehicle-tires, Solid and pneumatic rubber. Goodyear Tire & Rubber Company. 72,867, re-renewed Mar. 2, 1949. O. G. Nov. 23.

CLASS 36

Musical instruments, Band and orchestra. J. L. Hudson Company. 361,841, Nov. 1, 1938. Republished Nov. 23.

CLASS 37

Diaries. Ward Samuel Manufacturing Co. 229,652, July 5, 1927. Republished Nov. 23.
Envelopes and paper for making envelopes. J. W. Butler Paper Co. 177,978, Jan. 1, 1924. Republished Nov. 23.
Folders made of paper, File. Amberg File and Index Company. 415,306, Aug. 7, 1945. Republished Nov. 23.
Memoranda books. Ward Samuel Manufacturing Co. 209,831, Mar. 2, 1926. Republished Nov. 23.
Paper. J. W. Butler Paper Company. 172,922, Sept. 11, 1923. Republished Nov. 23.
Paper, Book, cover paper, document paper, etc. Butler Paper Corporations. 288,075, Oct. 20, 1931. Republished Nov. 23.
Paper, Clay coated. Martin Cantine Company. 301,233, Feb. 21, 1933. Republished Nov. 23.
Paper, Cover. J. W. Butler Paper Company. 157,882, Aug. 22, 1922. Republished Nov. 23.
Paper, Enameled book. Martin Cantine Company. 416,635, Sept. 25, 1945. Republished Nov. 23.
Paper, Enameled book. Martin Cantine Company. 418,867, Jan. 15, 1946. Republished Nov. 23.
Paper for poster and label work. J. W. Butler Paper Company. 145,052, July 26, 1921. Republished Nov. 23.
Paper, Print, book, cover paper, etc. J. W. Butler Paper Co. 174,242, Oct. 9, 1923. Republished Nov. 23.
Paper, Wrapping, manila paper, envelopes, etc. J. W. Butler Paper Co. 176,406, Nov. 27, 1923. Republished Nov. 23.
Paper, Writing. J. W. Butler Paper Co. 63,677, July 2, 1907. Republished Nov. 23.
Paper, Writing. McClellan Paper Company. 100,581, Oct. 20, 1914. Republished Nov. 23.
Papers and envelopes, Writing. Samuel Ward Company. 82,541, July 4, 1911. Republished Nov. 23.
Papers and envelopes, Writing. Samuel Ward Manufacturing Co. 168,604, May 29, 1923. Republished Nov. 23.
Papers, Printing, book, and cover. J. W. Butler Paper Company. 165,322, Mar. 6, 1923. Republished Nov. 23.
Papers, Printing, writing, book and cover. J. W. Butler Paper Company. 165,323, Mar. 6, 1923. Republished Nov. 23.
Pencils, Lead. Eberhard Faber. 43,074, Aug. 2, 1904. Republished Nov. 23.
Pencils, Lead. Eberhard Faber Pencil Company. 307,230, Oct. 17, 1933. Republished Nov. 23.
Pencils, Lead, rubber erasers, and colored pencils. Eberhard Faber Pencil Company. 269,854, Apr. 22, 1930. Republished Nov. 23.

CLASS 38

Diaries. Samuel Ward Company. 91,534, May 6, 1913. Republished Nov. 23.
House organ. National Life and Accident Insurance Company. 228,050, May 24, 1927. Republished Nov. 23.
Periodical. National Aniline & Chemical Company, Inc. 148,172, Nov. 8, 1921. Republished Nov. 23.
Photoprints and enlargements. C. D. Newton. 163,773, Jan. 30, 1923. Republished Nov. 23.
Series of cartoons. Tribune Company. 250,088, renewed Nov. 27, 1948. O. G. Nov. 23.

CLASS 39

Articles of men's, women's, and children's suits, costumes consisting of jackets and skirts, overcoats, etc. C. & A. Brenninkmeyer, Inc. 441,409, Nov. 23; Serial No. 515,157, published Nov. 11, 1947.
Bathing suits. Pacific Knitting Mills. 236,068, renewed Jan. 5, 1948. O. G. Nov. 23.
Belts, garters, suspenders, braces, etc. Pioneer Suspender Company. 504,067, Nov. 23; Serial No. 518,968, published Aug. 10, 1948.
Belts, garters, suspenders, braces, etc. Pioneer Suspender Company. 504,068, Nov. 23; Serial No. 518,972, published Aug. 10, 1948.

Blouses, Ladies' and misses'. Industrial Undergarment Corporation. 424,294, Oct. 1, 1946. Republished Nov. 23.

Boots and shoes. A. Perugia. 248,225, renewed Oct. 16, 1948. O. G. Nov. 23.

Boots and shoes, Rubber. Hood Rubber Company. 71,300, re-renewed Nov. 17, 1948. O. G. Nov. 23.

Boots and shoes, Rubber, rubber overshoes, rubber-sole canvas shoes. Hood Rubber Company. 249,410, renewed Nov. 13, 1948. O. G. Nov. 23.

Boots and shoes, Rubber, rubber overshoes, rubber-soled canvas shoes. Hood Rubber Company. 249,729, renewed Nov. 20, 1948. O. G. Nov. 23.

Box toes. Davis Box Toe Company, Inc. 504,168, Nov. 23; Serial No. 535,494, published Aug. 17, 1948.

Clothes, Men's, women's and children's work. Salem Company Incorporated. 504,078, Nov. 23; Serial No. 525,497, published Aug. 17, 1948.

Clothing, Men's. William B. Kessler, Inc. 504,122, Nov. 23; Serial No. 532,029, published Aug. 31, 1948.

Clothing, Men's work. Berne Mfg. Co. 248,950, renewed Nov. 6, 1948. O. G. Nov. 23.

Clothing, Outer. J. L. Hudson Company. 256,132–3, May 7, 1929. Republished Nov. 23.

Clothing, Outer. J. L. Hudson Company. 256,182, May 7, 1929. Republished Nov. 23.

Clothing, Outer. J. L. Hudson Company. 257,222, June 4, 1929. Republished Nov. 23.

Clothing, Women's. M. Wilson. 504,196, Nov. 23; Serial No. 542,191, published Aug. 31, 1948.

Coats and overcoats, Top. L. Greif & Bro., Inc. 336,279, June 30, 1936. Republished Nov. 23.

Coats, Children's. Scher & Feldman, Inc. 504,201, Nov. 23; Serial No. 542,885, published Aug. 24, 1948.

Coats for women, Sport. I. Tarlow & Son. 441,413, Nov. 23; Serial No. 515,688, published Aug. 17, 1948.

Coats, Men's. D. B. Rosenblatt, Incorporated. 441,401, Nov. 23; Serial No. 509,038, published Aug. 24, 1948.

Coats, Mink fur. Mutation Mink Breeders Association. 441,368, Nov. 23; Serial No. 483,438, published June 25, 1946.

Coats, Top, overcoats, coats, etc. L. Greif & Bro., Inc. 336,188, June 30, 1936. Republished Nov. 23.

Coats, vests, trousers, etc. J. L. Hudson Company. 198,156, May 5, 1925. Republished Nov. 23.

Coats, Women's and misses' spring and summer. J. L. Hudson Company. 384,856, Feb. 4, 1941. Republished Nov. 23.

Corsets. J. L. Hudson Company. 355,126, Mar. 8, 1938. Republished Nov. 23.

Corsets, foundation garments, and combinations of girdles and brassières. Royal Worcester Corset Company. 504,077, Nov. 23; Serial No. 523,864, published Aug. 10, 1948.

Corsets, girdles, full foundation garments, etc. Kellogg Corset Company. 504,115, Nov. 23; Serial No. 530,829, published Aug. 17, 1948.

Dresses, Children's. M. Norville. 504,179, Nov. 23; Serial No. 537,348, published Aug. 10, 1948.

Dresses, Children's, middy blouses, shirt waists and outer skirts. Biberman Brothers, Inc. 161,063, Nov. 7, 1922. Republished Nov. 23.

Dresses, gowns, suits, etc. J. Lee. 504,165, Nov. 23; Serial No. 535,246, published Aug. 10, 1948.

Dresses, Infants' and children's. L. Dick, Inc. 504,205, Nov. 23; Serial No. 543,151, published Aug. 10, 1948.

Dresses, Junior misses', misses' and women's. Susan Sage, Inc. 504,156, Nov. 23; Serial No. 534,557, published Aug. 17, 1948.

Dresses, Ladies'. A. Rappaport. 504,207, Nov. 23; Serial No. 543,327, published Aug. 10, 1948.

Dresses, Ladies' and misses'. Oppenheim, Collins & Co. Inc. 240,598, Apr. 3, 1928. Republished Nov. 23.

Dresses, overskirts, waists, etc., Ladies', misses' and children's. Goldman C'o. 504,110, Nov. 23; Serial No. 530,077, published Aug. 10, 1948.

Dresses, Ready-to-wear cotton. Princess Peggy, Inc. 424,760, Oct. 22, 1946. Republished Nov. 23.

Dresses, Women's and misses' washable, nurses' and maids' uniform dresses, aprons, etc. Biberman Brothers. 129,329, Feb. 17, 1920. Republished Nov. 23.

Footwear. Joyce, Inc. 504,118, Nov. 23; Serial No. 531,680, published Aug. 10, 1948.

Footwear. Mishawaka Rubber and Woolen Manufacturing Company. 504,111, Nov. 23; Serial No. 530,100, published Aug. 10, 1948.

Foundation garments, corsets, brassières, etc. Poirette Corsets, Inc. 504,219, Nov. 23; Serial No. 546,925, published Aug. 31, 1948.

Garment supporting belts, Men's. A. Stein & Company. 504,155, Nov. 23; Serial No. 534,205, published Aug. 31, 1948.

Garments, Infants'. H. F. Eisenach. 441,427, Nov. 23; Serial No. 522,852, published Aug. 24, 1948.

Garments, Sleeping. Denton Sleeping Garment Mills, Inc. 504,101, Nov. 23; Serial No. 529,238, published Aug. 10, 1948.

Girdles, corsets, and brassières. Cupid Foundations, Inc. 504,211–12, Nov. 23; Serial Nos. 543,794–5, published Aug. 10, 1948.

Girdles, panty girdles, corsets, etc., Women's, misses', and children's. A. B. Hammett, Inc. 395,245, May 19, 1942. Republished Nov. 23.

Girdles, panty girdles, corsets, etc., Women's, misses' and children's. R. J. Mecker. 407,482, June 6, 1944. Republished Nov. 23.

Gloves. Lewis & Locke, Inc. 504,213–14, Nov. 23; Serial Nos. 543,942–3, published Aug. 17, 1948.

Gloves, Cloth work. Advance Glove Manufacturing Company. 504,123; Nov. 23; Serial No. 532,087, published Aug. 10, 1948.

Gloves, Leather. Acme Glove Corporation. 504,215, Nov. 23; Serial No. 544,630, published Aug. 10, 1948.

Handkerchiefs. M. P. Niven. 504,253, Nov. 23; Serial No. 533,916.

Handkerchiefs and bandannas. Victor B. Handal & Bro., Inc. 504,159, Nov. 23; Serial No. 534,776, published Aug. 31, 1948.

Hats, Cloth, felt, silk, and plastic. Pimlico Headwear Company. 441,388, Nov. 23; Serial No. 504,581, published Aug. 24, 1948.

Hats for men and women. Hat Corporation of America. 441,424, Nov. 23; Serial No. 522,214, published Aug. 10, 1948.

Hats, Ladies'. Fisher Millinery Company. 186,427, July 8, 1924. Republished Nov. 23.

Hats, Ladies' and misses'. Rosenthal Ackerman Millinery Company. 504,195, Nov. 23; Serial No. 541,968, published Aug. 17, 1948.

Hats, Men's. J. L. Hudson Company. 188,066, Aug. 19, 1924. Republished Nov. 23.

Hats, Men's. J. L. Hudson Company. 260,208, Aug. 20, 1929. Republished Nov. 23.

Hats, Men's and boys'. Stylepark Hats, Inc. 364,037, Jan. 17, 1939. Republished Nov. 23.

Hats, Men's and boys', men's silk hats, felt and straw hats for women and children. Stylepark Hats, Inc. 361,195, Oct. 11, 1938. Republished Nov. 23.

Hats, Men's, boys', and women's. Stylepark Hats, Inc. 371,262, Sept. 19, 1939. Republished Nov. 23.

Hats, Men's felt. Dalton Hat Co., Inc. 504,192, Nov. 23; Serial No. 541,265, published Aug. 17, 1948.

Hats, Men's felt. Stylepark Hats, Inc. 196,800, Mar. 31, 1925. Republished Nov. 23.

Hats, Misses' and girls'. Gage Brothers and Company. 504,052, Nov. 23; Serial No. 508,475, published Aug. 10, 1948.

Hats, Women's. Stylepark Hats, Inc. 415,393, Aug. 7, 1945. Republished Nov. 23.

Hosiery. Bear Brand Hosiery Co. 252,292–3, renewed Jan. 29, 1949. O. G. Nov. 23.

Hosiery. Holeproof Hosiery Co. 253,714, renewed Mar. 5, 1949. O. G. Nov. 23.

Hosiery. J. L. Hudson Company. 186,925, July 22, 1924. Republished Nov. 23.

Hosiery. J. L. Hudson Company. 219,852, Oct. 26, 1926. Republished Nov. 23.

Hosiery. J. L. Hudson Company. 256,183, May 7, 1929. Republished Nov. 23.

Hosiery. J. L. Hudson Company. 260,051, Aug. 13, 1929. Republished Nov. 23.

Hosiery. J. L. Hudson Company. 269,480, Apr. 8, 1930. Republished Nov. 23.

Hosiery. Markovitz Brothers, Incorporated. 504,142, Nov. 23; Serial No. 533,484, published Aug. 24, 1948.

Hosiery. Rockwood Mills. 504,163, Nov. 23; Serial No. 535,183, published Aug. 17, 1948.

Hosiery and cotton knitted underwear. Ades-Lexington Dry Goods Co. 504,204, Nov. 23; Serial No. 543,047, published Aug. 10, 1948.

Hosiery, Boys'. J. L. Hudson Company. 268,454, Mar. 18, 1930. Republished Nov. 23.

Hosiery, flat and knit underwear, and fabric and skin gloves. Loeser, Frederick & Co., Inc. 234,990, Nov. 8, 1927. Republished Nov. 23.

Hosiery, four-in-hands and bow ties, Men's, men's mufflers and cravats, etc. Kramer Brandeis, Inc. 504,124, Nov. 23; Serial No. 532,267, published Aug. 31, 1948.

Hosiery, Girls'. J. L. Hudson Company. 269,636, Apr. 15, 1930. Republished Nov. 23.

Hosiery, Ladies' and men's. Hoover Hosiery Company. 149,114, Dec. 6, 1921. Republished Nov. 23.

Hosiery, Men's and women's. Cannon Mills, Inc. 232,160, renewed Sept. 6, 1947. O. G. Nov. 23.

Hosiery, Women's. J. L. Hudson Company. 269,360, Apr. 1, 1930. Republished Nov. 23.

Knit goods. Eagle Knitting Mills, Inc. 504,198–9, Nov. 23; Serial Nos. 542,452–3, published Aug. 24, 1948.

Leather, leatherette, and knit goods. Eagle Knitting Mills, Inc. 504,200, Nov. 23; Serial No. 542,454, published Aug. 24, 1948.

Mittens and gloves, Knitted infants', children's mittens and gloves, men's and women's mittens and gloves. Star Knitting Company. 222,208, Dec. 28, 1926. Republished Nov. 23.

Neckties. Beau Brummell Ties, Inc. 411,969, Feb. 13, 1945. Republished Nov. 23.

Neckties. H. C. Cohn & Co. 68,186, re-renewed Mar. 10, 1948. O. G. Nov. 23.

Neckties. A. Harris. 504,131, Nov. 23; Serial No. 532,703, published Aug. 31, 1948.

Neckties and cravats. Berkley Company. 504,128, Nov. 23; Serial No. 532,548, published Aug. 31, 1948.

Neckwear. B. B. Ellison. 441,406, Nov. 23; Serial No. 512,900, published Aug. 31, 1948.

Negligees, lounging, beach, and bath robes, bedroom jackets, etc. Raymode Negligee Inc. 504,193, Nov. 23; Serial No. 541,883, published Aug. 17, 1948.

Nightgowns and pajamas, Women's. Munsingwear, Inc. 441,405, Nov. 23; Serial No. 512,013, published Aug. 10, 1948.

Outer clothing, Men's and young men's. J. L. Hudson Company. 407,260, May 23, 1944. Republished Nov. 23.

Outer garments, Men's. New Process Company. 363,446, Dec. 27, 1938. Republished Nov. 23.

Outer garments, Men's, boys', and children's. Cohen, Goldman & Co. Inc. 441,400, Nov. 23; Serial No. 508,892, published Aug. 10, 1948.

Outershirts and underwear. Markovitz Brothers, Incorporated. 504,141, Nov. 23; Serial No. 533,483, published Aug. 24, 1948.

Overalls. Globe Shirts & Overall Co. 113,505, Oct. 17, 1916. Republished Nov. 23.

Overcoats, Men's. J. L. Hudson Company. 375,291, Feb. 13, 1940. Republished Nov. 23.

Overcoats, Men's and boys'. S. Weitz & Co., Inc. 504,074, Nov. 23; Serial No. 521,231, published Aug. 31, 1948.

Pajamas. Knothe Brothers Co. Inc. 504,100, Nov. 23; Serial No. 529,170, published Apr. 6, 1948.

Pajamas, pajama coats, beach coats, etc. Kaylon Incorporated. 504,172, Nov. 23; Serial No. 536,531, published Aug. 31, 1948.

Playsuits, sun suits, pants, etc., Children's. Tex-Son Co. 504,114, Nov. 23; Serial No. 530,786, published Aug. 10, 1948.

Raincoats, Misses' and women's. J. L. Hudson Company. 385,016, Feb. 11, 1941. Republished Nov. 23.

Rainhats, hats, and hat covers. W. J. Peters. 441,432, Nov. 23; Serial No. 525,241, published Aug. 10, 1948.

Robes, Bath and lounging. Auerbach Bath Robe Company. 412,181, Feb. 20, 1946. Republished Nov. 23.

Robes, Bath and lounging. Auerbach Bath Robe Corp. 429,840, May 20, 1947. Republished Nov. 23.

Shoes. J. L. Hudson Company. 363,975, Jan. 17, 1939. Republished Nov. 23.

Shoes. Huth-James Shoe, Inc. 504,129, Nov. 23; Serial No. 532,594, published Aug. 17, 1948.

Shoes. Wall-Streeter Shoe Co. 251,242, renewed Jan. 1, 1949. O. G. Nov. 23.

Shoes, Infants'. Wizard Lightfoot Appliance Co. 365,351, Mar. 7, 1939. Republished Nov. 23.

Shoes, Infants' and children's high. Trimfoot Company. 402,683, Aug. 10, 1943. Republished Nov. 23.

Shoes, Leather. Boyd-Richardson Company. 441,371, Nov. 23; Serial No. 492,358, published Aug. 10, 1948.

Shoes, Leather. Endicott Johnson Corporation. 253,782, renewed Mar. 5, 1949. O. G. Nov. 23.

Shoes, leather shoes, rubber shoes, etc. Scholl Manufacturing Company, Inc. 191,089, renewed Jan. 5, 1948. O. G. Nov. 23.

Shoes, Women's. J. L. Hudson Company. 392,819, Jan. 13, 1942. Republished Nov. 23.

Shoes, Women's and misses'. San Loo, Inc. 441,428, Nov. 23; Serial No. 523,041, published Aug. 10, 1948.

Shirts, Cotton, shopcoats, patient's gowns, barber's gowns, bar vests, etc. California Industrial Garment Company. 441,420, Nov. 23; Serial No. 519,923, published Aug. 17, 1948.

Shirts, Men's dress, negligee, and sport. J. L. Hudson Company. 355,603, Mar. 22, 1938. Republished Nov. 23.

Shirts, Men's dress, negligee, and sport. J. L. Hudson Company. 386,769, Apr. 22, 1941. Republished Nov. 23.

Shirts, Work, work pants, overalls, etc. Washington Manufacturing Company. 504,054, Nov. 23; Serial No. 510,744, published Aug. 10, 1948.

Slippers, House. C. A. Grosvenor Shoe Company. 504,127, Nov. 23; Serial No. 532,420, published Aug. 10, 1948.

Slippers, moccasins, shoes, etc., Leather and fabric. Foot Form Shoe Shops, Inc. 504,125, Nov. 23; Serial No. 532,286, published Aug. 10, 1948.

Slippers, Women's and children's bedroom. Allied Stores Corporation. 441,374, Nov. 23; Serial No. 496,193, published June 1, 1948.

Slips for women, misses, and girls. Lowell Lingerie Company. 427,149, Jan. 28, 1947. Republished Nov. 23.

Soles and heels. Gre-Cord Rubber Company. 504,169, Nov. 23; Serial No. 535,523, published Aug. 17, 1948.

Suits and overcoats, Men's. J. L. Hudson Company. 220,311, Nov. 9, 1926. Republished Nov. 23.

Suits and overcoats, Men's. H. A. Seinsheimer Company. 330,586, Dec. 10, 1935. Republished Nov. 23.

Suits and overcoats, Men's and boys'. Michaels, Stern & Company. 158,023, Aug. 22, 1922. Republished Nov. 23.

Suits, coats, vests, etc. S. Ginsberg Sons. 354,637, Feb. 15, 1938. Republished Nov. 23.

Suits, Men's. S. Ginsberg Sons. 414,879, July 3, 1945. Republished Nov. 23.

Suits, Men's. J. L. Hudson Company. 372,011, Oct. 17, 1939. Republished Nov. 23.

Suits, Men's, topcoats and overcoats. J. L. Hudson Company. 360,845, Sept. 27, 1938. Republished Nov. 23.

Suits, Men's, topcoats, overcoats, etc. L. Greif & Bro., Inc. 369,591, Aug. 1, 1939. Republished Nov. 23.

Suits, Outer, flannel trousers, coats, etc. Oviatt's. 504,076, Nov. 23; Serial No. 523,530, published Aug. 31, 1948.

Suits, overcoats, top coats, etc., Men's and boys'. Stuarts Clothes, Inc. 504,086, Nov. 23; Serial No. 526,967, published Aug. 31, 1948.

Suspenders, men's and women's garment belts, shoes, etc. Industrial Synthetics Corporation. 441,376, Nov. 23; Serial No. 497,935, published Aug. 24, 1948.

Textile articles. Bear Brand Hosiery Co. 204,239, Oct. 13, 1925. Republished Nov. 23.

Topcoats and overcoats, Men's and young men's. J. L. Hudson Company. 365,111, Feb. 21, 1939. Republished Nov. 23.

Underwear. Krauss-Fels-Metzger Company. 504,202, Nov. 23; Serial No. 542,955, published Aug. 10, 1948.

Underwear, Ladies'. Blue Swan Mills Inc. 363,445, Dec. 27, 1938. Republished Nov. 23.

Underwear, Ladies' and children's. Belle Knitting Corp. 371,382, Sept. 26, 1939. Republished Nov. 23.

Underwear, Ladies' and children's knitted rayon. Belle Knitting Corp. 350,761, Oct. 5, 1937. Republished Nov. 23.

Underwear, Ladies', misses' and children's. Continental Undergarment Co., Inc. 504,194, Nov. 23; Serial No. 541,919, published Aug. 10, 1948.

Underwear, Men's and children's knitted. Volunteer Knitting Mills. 234,907, Nov. 8, 1927. Republished Nov. 23.

Wear. Societe a Responsabilite Limitee. 441,379, Nov. 23; Serial No. 500,632, published Aug. 10, 1948.

Wear, Men's and boys'. Chas. Weiner & Sons, Inc. 504,065, Nov. 23; Serial No. 516,256, published Aug. 10, 1948.

Wearing apparel. Portis Style Industries, Inc. 504,099, Nov. 23; Serial No. 529,085, published Aug. 10, 1948.

Wearing apparel. Rice-Stix Dry Goods Co. 273,303, July 29, 1930. Republished Nov. 23.

Wearing apparel, Men's outer. Kahn Tailoring Company. 253,667, renewed Mar. 5, 1949. O. G. Nov. 23.

Wearing apparel, Women's and misses' outer. Lauresta Modes, Inc. 441,423, Nov. 23; Serial No. 521,952, published Aug. 17, 1948.

CLASS 40

Material or fabric stamped for art embroidery. Frampton Company. 235,089, Nov. 8, 1927. Republished Nov. 23.

Millinery braids. American Glossite Co., Incorporated. 429,350, Apr. 29, 1947. Republished Nov. 23.

Needles, Hand-sewing, toilet pins, and safety pins. O. Mustad & Son. 70,662, re-renewed Sept. 22, 1948. O. G. Nov. 23.

Tapes and bindings. Krout & Fite Manufacturing Company. 73,108, re-renewed Mar. 16, 1949. O. G. Nov. 23.

CLASS 42

Bedspreads and drapery, upholstery and slipcover fabrics made of cotton, rayon, and linen fabrics and sold in the piece. Linen Guild, Inc. 504,252, Nov. 23; Serial No. 533,459.

Knitted rayon in the piece. Belle Knitting Corp. 353,858, Jan. 18, 1938. Republished Nov. 23.

Marquisette for curtains, casement cloth for draperies, and gauze for curtains. Fairclough & Gold, Inc. 236,125, Dec. 6, 1927. Republished Nov. 23.

Piece goods. William Hollins & Company, Inc. 373,069, Nov. 21, 1939. Republished Nov. 23.

Piece goods, Linen, cotton, and rayon. Blackstaff Linens, Inc. 504,239, Nov. 23; Serial No. 506,366.

Piece goods, Linen, cotton, and rayon. Blackstaff Linens, Inc. 504,243, Nov. 23; Serial No. 517,179.

Piece goods made of cotton, synthetic fibers or mixtures thereof, Plain and printed textile. California Hand Prints, Inc. 504,241, Nov. 23; Serial No. 510,234.

Piece goods, Woolen. New Process Company. 363,306, Dec. 20, 1938. Republished Nov. 23.

Sheets and pillow cases, and cotton goods in the piece. Erwin Cotton Mills Company. 143,331, May 31, 1921. Republished Nov. 23.

Sheets and pillow cases and cotton goods in the piece. Erwin Cotton Mills Company. 152,164, Feb. 21, 1922. Republished Nov. 23.

Textile fabric in the piece, Woven. Columbus Coated Fabrics Corporation. 399,932, Feb. 9, 1943. Republished Nov. 23.

CLASS 43

Thread, floss, and rope. Ulmann Bernhard & Co. 72,392, re-renewed Jan. 19, 1949. O. G. Nov. 23.

CLASS 44

Bronchoscopes. George P. Pilling & Son Company. 504,056, Nov. 23; Serial No. 511,830, published Aug. 17, 1948.

Dental fillings and various types of dental cementation. L. D. Caulk Company. 504,188, Nov. 23; Serial No. 539,269, published Aug. 17, 1948.

Ear molds for hearing aids, Invisible. Maico Company, Incorporated. 504,081, Nov. 23; Serial No. 526,621, published Aug. 17, 1948.

Foot appliances, Corrective. Wizard Lightfoot Appliance Company. 265,304, Dec. 24, 1929. Republished Nov. 23.

Hair driers, permanent hair waving machines, and parts thereof, etc., Electric. Eugene, Ltd. 504,187, Nov. 23; Serial No. 539,144, published Aug. 17, 1948.

Lamps, Therapeutic. Birtcher Corporation. 504,240, Nov. 23; Serial No. 508,701.
Manicure kits. Henkel-Clauss Company. 372,685, Nov. 7, 1939. Republished Nov. 23.
Manicure, pedicure, and surgical implements. Henkel-Clauss Co. 136,456, Nov. 2, 1920. Republished Nov. 23.
Napkins, Sanitary. International Cellucotton Products Company. 504,160, Nov. 23; Serial No. 535,039, published Aug. 17, 1948.
Nipples or caps, Nursing-bottle. Davol Rubber Company. 244,079, renewed July 10, 1948. O. G. Nov. 23.
Plaster Paris, Dental. United States Gypsum Company. 344,415, Mar. 23, 1937. Republished Nov. 23.
Rubber, Sponge, medical sponge rubber, and rubber sponges. Sponge Rubber Products Company. 300,788, Feb. 7, 1933. Republished Nov. 23.
Scissors, Cuticle, manicure implements, nail files, etc. Henkel-Clauss Company. 331,421, Jan. 7, 1936. Republished Nov. 23.
Supports, Instep-arch, surgical insoles, toe flexers, etc. Scholl Manufacturing Company. 161,379, renewed Jan. 5, 1949. O. G. Nov. 23.
Trusses and parts thereof, etc., Hernial. Chesterman-Leeland Company. 504,075, Nov. 23; Serial No. 522,840, published Aug. 17, 1948.

CLASS 45

Beverages and syrups, Nonalcoholic, non-cereal, maltless. Jackson Brewing Company. 262,858, Oct. 29, 1929. Republished Nov. 23.
Beverages, Carbonated, nonalcoholic, noncereal, maltless. Howdy Company. 252,350, renewed Feb. 5, 1949. O. G. Nov. 23.
Beverages, Nonalcoholic. Safeway Stores, Inc. 385,219, Feb. 18, 1941. Republished Nov. 23.
Beverages, Non-alcoholic, maltless. Safeway Stores, Inc. 368,369, June 13, 1939. Republished Nov. 23.
Beverages, Non-alcoholic, maltless. Safeway Stores, Inc. 398,834, Nov. 24, 1942. Republished Nov. 23.
Concentrate, Fruit. Casa Prima Citrus Company. 403,958, Oct. 26, 1943. Republished Nov. 23.
Ginger ale. Beverage Distributors, Inc. 417,236, Oct. 16, 1945. Republished Nov. 23.
Ginger ale. Great Bear Spring Company. 226,470, Apr. 12, 1927. Republished Nov. 23.
Water, Carbonated. Safeway Stores, Incorporated. 356,130, Apr. 12, 1938. Republished Nov. 23.
Water, Table. Great Bear Spring Company. 220,932, Nov. 16, 1926. Republished Nov. 23.

CLASS 46

Acetate of alumina, citrate of alumina, acetate of barium, etc. Jacques Wolf & Co. 239,759, renewed Mar. 13, 1948. O. G. Nov. 23.
Bacon. Kingan and Company, Limited. 71,667, re-renewed Dec. 8, 1948. O. G. Nov. 23.
Baking powder. Jaques Manufacturing Company. 205,174–6, Nov. 3, 1925. Republished Nov. 23.
Baking powder. Jaques Manufacturing Company. 297,070, Aug. 30, 1932. Republished Nov. 23.
Beef in thin slices. R. J. Cuddeback. 504,093, Nov. 23; Serial No. 528,195, published Aug. 17, 1948.
Butter. Zenith-Godley Co. Inc. 504,102, Nov. 23; Serial No. 529,330, published Aug. 7, 1948.
Cake and meal, Cottonseed. Rule-Jayton Cotton Oil Co. 368,073. June 6, 1939. Republished Nov. 23.
Cakes, Fish, and mixtures therefor. Davis Bros. Fisheries, Inc. 387,824, June 3, 1941. Republished Nov. 23.
Cakes, Fruit. Peter Kern Company, Inc. 97,621, June 16, 1914. New certificate Nov. 23, 1948. O. G. Nov. 23.
Candy. Paul F. Beich Co. 504,144, Nov. 23; Serial No. 533,979, published Aug. 17, 1948.
Candy. Great Atlantic & Pacific Tea Company. 504,247, Nov. 23; Serial No. 527,383.
Candy. Mineralized Foods, Inc. 504,246, Nov. 23; Serial No. 521,456.
Candy. Palmer Candy Co. 238,721, Feb. 14, 1928. Republished Nov. 23.
Candy. Williamson Candy Company. 384,529, Jan. 21, 1941. Republished Nov. 23.
Canned berries, canned fruits, and canned vegetables. Western Oregon Packing Corporation. 265,147, Dec. 17, 1929. Republished Nov. 23.
Canned corn. Seeman Brothers, Inc. 260,959, Sept. 3, 1929. Republished Nov. 23.
Canned evaporated milk. Page Milk Co. 249,958, renewed Nov. 27, 1948. O. G. Nov. 23.
Canned fish. P. E. Harris & Co. 255,737, Apr. 30, 1929. Republished Nov. 23.
Canned fish. McGovern & McGovern. 268,805, Mar. 18, 1930. Republished Nov. 23.
Canned fish. Thlinket Packing Corporation. 141,058, Apr. 5, 1921. Republished Nov. 23.
Canned fish and packaged salt fish. Davis Bros. Fisheries Co. Inc. 387,175–6, May 6, 1941. Republished Nov. 23.
Canned food for dogs, cats, and other carnivorous animals. Republic Food Products Co. 504,250, Nov. 23; Serial No. 530,766.
Canned fruits. Barron-Gray Packing Company. 173,089, Sept. 18, 1923. Republished Nov. 23.
Canned fruits. Barron-Gray Packing Company. 173,130, Sept. 18, 1923. Republished Nov. 23.
Canned fruits. Barron-Gray Packing Company. 173,931, Oct. 2, 1923. Republished Nov. 23.
Canned fruits. Safeway Stores, Inc. 376,460, Mar. 26, 1940. Republished Nov. 23.
Canned fruits. Sutter Packing Company. 265,927, Jan. 7, 1930. Republished Nov. 23.
Canned fruits. Sutter Packing Company. 269,286, Apr. 1, 1930. Republished Nov. 23.
Canned fruits and canned vegetables. Haas Brothers. 195,407, Feb. 24, 1925. Republished Nov. 23.
Canned fruits and vegetables. Olympia Canning Company. 254,812, Apr. 2, 1929. Republished Nov. 23.
Canned fruits and vegetables. Walla Walla Canning Company. 504,116, Nov. 23; Serial No. 531,068, published Aug. 17, 1948.
Canned fruits, canned vegetables, and canned fish. Haas Brothers. 188,164, Aug. 19, 1924. Republished Nov. 23.
Canned fruits, canned vegetables, and canned fish. P. E. Harris & Co. 218,465, Sept. 28, 1926. Republished Nov. 23.
Canned fruits, canned vegetables, and canned fish, etc. Wurm Brothers Company. 272,999, July 15, 1930. Republished Nov. 23.
Canned grapefruit. Safeway Stores, Inc. 366,895, May 2, 1939. Republished Nov. 23.
Canned grapefruit juice. Safeway Stores, Inc. 366,897, May 2, 1939. Republished Nov. 23.
Canned peaches, canned corn, canned beans, etc. Haas Brothers. 111,456, July 18, 1916. Republished Nov. 23.
Canned processed oysters, canned processed crabmeat, fresh crabmeat, etc. Southern Shell Fish Company, Inc. 441,381, Nov. 23; Serial No. 502,022, published Oct. 14, 1947.
Canned salmon. Alaska Consolidated Canneries, Inc. 213,100, May 18, 1926. Republished Nov. 23.
Canned salmon. Hawk Fish Company. 82,980, Aug. 8, 1911. Republished Nov. 23.
Canned salmon. Hawk Fish Company. 85,746, Mar. 12, 1912. Republished Nov. 23.
Canned salmon. Hawk Fish Company. 104,119, May 4, 1915. Republished Nov. 23.
Canned salmon. Nakat Packing Corporation. 504,092, Nov. 23; Serial No. 527,413, published Aug. 17, 1948.
Canned salmon. Safeway Stores, Inc., of Nevada. 404,558, Dec. 7, 1943. Republished Nov. 23.
Canned salmon. Geo. W. Sanborn & Sons. 114,183, Dec. 5, 1916. Republished Nov. 23.
Canned sardines. R. J. Peacock Canning Co. 504,069, Nov. 23; Serial No. 519,975, published Aug. 17, 1948.
Canned tomato juice. Safeway Stores, Inc. 366,896, May 2, 1939. Republished Nov. 23.
Canned tomatoes, canned salmon, canned refugee beans, etc. J. S. Brown Merc. Co. 115,936, Mar. 27, 1917. Republished Nov. 23.
Canned vegetable. Green Bay Canning Corporation. 504,049, Nov. 23; Serial No. 499,549, published Aug. 17, 1948.
Canned vegetables. H. H. Brakeley, Jr. 277,582, Nov. 18, 1930. Republished Nov. 23.
Canned vegetables. Olympia Canning Company. 261,362, Sept. 17, 1929. Republished Nov. 23.
Canned vegetables. Safeway Stores, Inc. 371,126, Sept. 19, 1939. Republished Nov. 23.
Canned vegetables. Safeway Stores, Inc. 377,200, Apr. 23, 1940. Republished Nov. 23.
Canned vegetables. Safeway Stores, Inc. 380,282, Aug. 20, 1940. Republished Nov. 23.
Cheese. Capital City Products Company. 320,167, Dec. 18,1934. Republished Nov. 23.
Cheese, Thousand Island dressing, mayonnaise, etc. Capital City Products Company. 308,629, Dec. 12, 1933. Republished Nov. 23.
Chewing gum. Wm. J. Wischmann, Inc. 197,201, Apr. 14, 1925. Republished Nov. 23.
Chili. F. T. Hoeck. 441,364, Nov. 23; Serial No. 467,972, published Apr. 13, 1948.
Chili con carne, Imitation. Armour and Company. 504,107, Nov. 23; Serial No. 529,861, published Aug. 17, 1948.
Chili sauce. Safeway Stores, Inc., of Nevada. 401,342, May 11, 1943. Republished Nov. 23.
Coffee. Dwight Edwards Company. 307,056, Oct. 10, 1933. Republished Nov. 23.
Coffee. Dwight Edwards Company. 307,815, Nov. 7, 1933. Republished Nov. 23.
Cottonseed oil, Partially hydrogenated. Capital City Products Company. 279,294, Jan. 13, 1931. Republished Nov. 23.
Cottonseed oil, Yellow. Capital City Products Company. 280,932, Mar. 3, 1931. Republished Nov. 23.
Crackers. Perfection Biscuit Company. 256,682, May 21, 1929. Republished Nov. 23.
Eggs. Eastern Connecticut Poultry Producers, Inc. 243,111, renewed June 12, 1948. O. G. Nov. 23.
Eggs. Lucerne Cream and Butter Company. 370,056, Aug. 15, 1939. Republished Nov. 23.
Eggs. Lucerne Cream and Butter Company. 370,064, Aug. 15, 1939. Republished Nov. 23.
Emulsified agent for cake mixtures, High moisture. Capital City Products Company. 326,423, July 23, 1935. Republished Nov. 23.

Feed, Cattle. Park & Pollard Company. 211,430, Apr. 13, 1926. Republished Nov. 23.
Feeds. Central Chemical Corporation of Maryland. 395,992, June 23, 1942. Republished Nov. 23.
Feeds, Livestock. Central Mills, Inc. 432,663, Sept. 9, 1947. Republished Nov. 23.
Fish, Frozen. British Columbia Fishing & Packing Company, Limited. 239,551, renewed Mar. 6, 1948. O. G. Nov. 23.
Fish, Quick frozen. Great Atlantic and Pacific Tea Company. 504,121, Nov. 23; Serial No. 532,019, published Aug. 17, 1948.
Flour, Wheat. King Milling Co. 83,499, Sept. 19, 1911. Republished Nov. 23.
Flour, Wheat. King Milling Co. 84,974, Jan. 16, 1912. Republished Nov. 23.
Flour, Wheat. Texas Star Flour Mills. 504,058, Nov. 23; Serial No. 513,001.
Food, Breakfast. Miner-Hillard Milling Company. 203,048, Sept. 8, 1925. Republished Nov. 23.
Food flavoring extracts. Safeway Stores, Inc., of Nevada. 403,680, Oct. 12, 1943. Republished Nov. 23.
Food products. Jell-Well Dessert Company. 278,647, Dec. 23, 1930. Republished Nov. 23.
Fruits and fresh tomatoes, Fresh citrus. Southern Fruit Distributors, Inc. 294,117, May 17, 1932. Republished Nov. 23.
Fruits, Fresh citrus. Canoga Citrus Association. 304,818, July 18, 1933. Republished Nov. 23.
Fruits, Fresh citrus. La Verne Orange Association. 504,191, Nov. 23; Serial No. 540,832, published Apr. 6, 1948.
Fruits, Fresh citrus. C. H. McKellips. 320,788, Jan. 8, 1935. Republished Nov. 23.
Fruits, Fresh citrus. San Dimas Orange Growers Association. 252,210, renewed Jan. 29, 1949. O. G. Nov. 23.
Fruits, Fresh citrus. Southern Fruit Distributors, Inc. 271,350, June 3, 1930. Republished Nov. 23.
Fruits, Fresh citrus. L. M. Washburn. 387,858, June 3, 1941. Republished Nov. 23.
Fudge and nougat. Golden Nugget Sweets. 249,519, renewed Nov. 13, 1948. O. G. Nov. 23.
Ice cream and sherbet. Lucerne Cream and Butter Company. 368,355, June 13, 1939. Republished Nov. 23.
Kernel or cocoanut oil, Pressed and hydrogenized palm. Capital City Products Company. 289,596, Dec. 1, 1931. Republished Nov. 23.
Mayonnaise, salad dressing, sandwich spread, etc. Capital City Products Company. 384,462, Jan. 21, 1941. Republished Nov. 23.
Milk, Evaporated. Western States Grocery Company. 362,637, Nov. 22, 1938. Republished Nov. 23.
Nut butter and margarine, cooking fats, salad oils. Kellogg Products Inc. 121,786, May 28, 1918. Republished Nov. 23.
Nut meats. R. E. Funsten Dried Fruit & Nut Co. 114,742, Jan. 2, 1917. Republished Nov. 23.
Oleomargarine. Capital City Dairy Company. 118,463, Sept. 11, 1917. Republished Nov. 23.
Oleomargarine. Capital City Products Company. 425,020, Oct. 29, 1946. Republished Nov. 23.
Oleomargarine. Wm. J. Moxley, Inc. 137,837, Dec. 7, 1920. Republished Nov. 23.
Papaya and peppermint leaves used as a tea substitute, Blend of. Modern Products, Inc., of America. 441,390, Nov. 23; Serial No. 504,990, published Aug. 17, 1948.
Peanut butter. General Food Products Co. 341,533, Dec. 8, 1936. Republished Nov. 23.
Pears, Fresh. Modoc Orchard Co. 393,154, Jan. 27, 1942. Republished Nov. 23.
Pears, Fresh. Modoc Orchard Co. 398,913, Dec. 1, 1942. Republished Nov. 23.
Pecans, Fresh cracked. R. E. Funsten Dried Fruit & Nut Co. 84,618, Dec. 26, 1911. Republished Nov. 23.
Pickles. E. G. Kidd. 70,379, Aug. 25, 1908. Republished Nov. 23.
Pie crust and mixture and pure vegetable shortening. Capital City Products Company. 375,561, Feb. 20, 1940. Republished Nov. 23.
Pies, Pastry, cakes, bread. Black Angus, Inc. 441,375, Nov. 23; Serial No. 497,840, published Aug. 17, 1948.
Potato chips. Dan-Dee Pretzel and Potato Chip Company. 504,105, Nov. 23; Serial No. 529,607, published Aug. 17, 1948.
Potato chips. E. W. Drondoski. 221,869, Dec. 14, 1926. Republished Nov. 23.
Sandwich spread. Safeway Stores, Incorporated. 412,633, Mar. 20, 1945. Republished Nov. 23.
Sausage. Armour and Company. 504,096, Nov. 23; Serial No. 528,413, published Aug. 17, 1948.
Sausage. Armour and Company. 504,098, Nov. 23; Serial No. 528,675, published Aug. 17, 1948.
Shortening, Vegetable. Capital City Products Company. 334,161, Apr. 21, 1936. Republished Nov. 23.
Sugar and maple syrup. Wason Bros. Company, Inc. 379,613, July 16, 1940. Republished Nov. 23.
Syrup, Malt. Jackson Brewing Company. 252,538, Feb. 12, 1929. Republished Nov. 23.
Vegetable oil hydrogenated to various melting points, Refined. Capital City Products Company. 280,816, Mar. 3, 1931. Republished Nov. 23.
Vegetable oil, Refined pure. Capital City Products Company. 304,832, July 18, 1933. Republished Nov. 23.
Vegetable-oil stearine, Powdered high-melting-point. Capital City Products Company. 282,855, May 5, 1931. Republished Nov. 23.
Vegetables, Dehydrated. California Vegetable Products Co. 245,222, renewed Aug. 7, 1948. O. G. Nov. 23.
Vegetables, Fresh. C. Ramage. 504,249, Nov. 23; Serial No. 529,823.
Vegetables, Fresh. F. N. Smith. 407,914, July 4, 1944. Republished Nov. 23.
Vegetables, Fresh, fresh citrus fruits, and fresh deciduous fruits. E & L Fruit & Produce Distributors. 424,715, Oct. 22, 1946. Republished Nov. 23.
Walnuts and filberts. Oregon Nut Growers, Inc. 282,056, Apr. 7, 1931. Republished Nov. 23.

CLASS 48

Ale and porter. James Hanley Brewing Company. 106,432–3, Oct. 19, 1915. Republished Nov. 23.
Ale and porter. James Hanley Brewing Company. 106,435, Oct. 19, 1915. Republished Nov. 23.
Beer. G. Heileman Brewing Co. 63,492, June 25, 1907. Republished Nov. 23.
Beer. G. Heileman Brewing Co. 99,098, Aug. 18, 1914. Republished Nov. 23.
Beer. G. Heileman Brewing Co. 319,501, Nov. 27, 1934. Republished Nov. 23.
Beer. G. Heileman Brewing Co. 381,905, Oct. 15, 1940. Republished Nov. 23.
Beer. Western States Grocery Company. 307,439, Oct. 24, 1933. Republished Nov. 23.
Malt beverage, Non-intoxicating. Bosch Brewing Company. 137,560, Nov. 30, 1920. Republished Nov. 23.

CLASS 49

Brandy. Padre Vineyard Company. 328,928, Oct. 8, 1935. Republished Nov. 23.
Rum style beverage, Alcoholic. Leroux and Company, Inc. 317,942, Oct. 9, 1934. Republished Nov. 23.
Whiskey. Julius Loeser & Co., Inc. 373,228, Nov. 28, 1939. Republished Nov. 23.
Whiskey, gin, brandy, etc. Leroux and Company, Inc. 317,938, Oct. 9,.1934. Republished Nov. 23.

CLASS 50

Caps for receptacles. Ralph W. Wilson Company, Inc. 361,029, Oct. 4, 1938. Republished Nov. 23.
Platforms, Portable material handling. N. L. Cahners. 430,621, June 17, 1947. Republished Nov. 23.
Rug underlays, bath mats, and kneeling pads. Sponge Rubber Products Company. 321,895, Feb. 19, 1935. Republished Nov. 23.
Rugs and drapable sheet coverings, Floor. Sponge Rubber Products Company. 357,290, May 31, 1948. Republished Nov. 23.
Sheet material. United States Rubber Company. 248,035, renewed Oct. 16, 1948. O. G. Nov. 23.
Signs, Advertising. Ingram-Richardson Manufacturing Company. 78,975, July 26, 1910. Republished Nov. 23.
Web material, Filamentary. Sponge Rubber Products Company. 414,715, June 26, 1945. Republished Nov. 23.

CLASS 55

Railroad passenger and freight transportation service. Baltimore & Ohio Railroad Company. 504,236, Nov. 23; Serial No. 532,995, published Aug. 24, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Ophthalmic glass. Re. 23,049, Nov. 23.

Brunner, Reed R., deceased, Baltimore, Md., by Seismograph Service Corporation, Tulsa, Okla., assignee. Radio beacon. Re. 23,050, Nov. 23.

Carter, Philip S., Rocky Point, N. Y., assignor to Radio Corporation of America. Broadcast antenna. Re. 23,051, Nov. 23.

Corning Glass Works, assignee: *See*—
Armistead, William H.

Radio Corporation of America, assignee: *See*—
Carter, Philip S.

Seismograph Service Corporation, assignee: *See*—
Brunner, Reed R.

LIST OF DESIGN PATENTEES

Arpels, Claude, New York, N. Y. Brooch or similar article. 151,805, Nov. 23.

Beitch, Sol J., and S. Fine, New York, N. Y. Combined telephone stand and pad holder. 151,806, Nov. 23.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Dreyfuss, Henry.

Berkowitz, Hyman C., Newton, Mass. Wine bottle. 151,807, Nov. 23.

Boucher, Marcel, New York, N. Y. Earring or similar article. 151,808, Nov. 23.

Cochran, Jacqueline, assignee: *See*—
Von Miklos, Josephine.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Doggett, David L.: *See*—
Schier, Wallace, and Doggett.

Dreyfuss, Henry, Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmitter. 151,809, Nov. 23.

Falk, Rolf J., assignor to Shawnee Pottery Company, Zanesville, Ohio. Cooky jar. 151,810, Nov. 23.

Federal Telephone and Radio Corporation, assignee: *See*—
Schier, Wallace, and Doggett.

Fine, Semual: *See*—
Beitch, Sol J., and Fine.

Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 151,811, Nov. 23.

Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 151,812, Nov. 23.

Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 151,813, Nov. 23.

Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 151,814, Nov. 23.

Gagnon, Lawrence J., Bay Village, Ohio, assignor to J. Schrader Company. Lamp or similar article. 151,815, Nov. 23.

Gehr, Theodore L., St. Petersburg, Fla. Christmas ornament. 151,816, Nov. 23.

Gifford, Robert E., Farnsworth, Ill. Planter lamp. 151,817, Nov. 23.

Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 151,818, Nov. 23.

Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 151,819, Nov. 23.

Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 151,820, Nov. 23.

Gunklach, Carl E., Oakwood, Ohio. Shuffleboard cue head. 151,821, Nov. 23.

Haft, Morris W., & Bros., Inc., assignee: *See*—
Freedman, Jules.
Goldberg, Harry.

Hammers, Oscar E., Chicago, Ill. Juicer. 151,822, Nov. 23.

Hammers, Oscar E., Chicago, Ill. Sanitary juice collector. 151,823, Nov. 23.

Hobart Manufacturing Company, The, assignee: *See*—
Norman, Arthur W.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,824, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,825, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,826, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,827, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,828, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,829, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,830, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,831, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,832, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,833, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,834, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,835, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,836, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,837, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,838, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,839, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 151,840, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,841, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,842, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 151,843, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,844, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,845, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,846, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,847, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,848, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 151,849, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 151,850, Nov. 23.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 151,851, Nov. 23.

Klingbiel, Augusta A., Los Angeles, Calif. Adjustable screen door panel or similar article. 151,852, Nov. 23.

Kromex Corporation, assignee: *See*—
Ziskin, Manuel S.

Ludwick, William L., Mount Carmel, assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Hammer head. 151,853, Nov. 23.

Mehline, Emil O., Seattle, Wash. Chicken fryer. 151,854, Nov. 23.

Nitardy, Carl, New York, N. Y., assignor to Sylvania Electric Products Inc., Salem, Mass. Adjustable fluorescent lighting fixture. 151,855, Nov. 23.

Norman, Arthur W., Largo, Fla., assignor to The Hobart Manufacturing Company, Troy, Ohio. Vegetable slicer. 151,856, Nov. 23.

Pankonin, William G., Chicago, Ill. Wire staple removing tool. 151,857, Nov. 23.

Peck, Stow & Wilcox Company, The, assignee: *See*—
Ludwick, William L.

Rath, Frank H., Garden City, N. Y. Combined handbag and compact. 151,858, Nov. 23.

Schrader, J., Company, assignee: *See*—
Gagnon, Lawrence J.

Schler, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Cabinet for radio-phonograph combination. 151,859, Nov. 23.

Shawnee Pottery Company, assignee: *See*—
Falk, Rolf J.

Stoyer, Raymond L., Lebanon, Pa. Momentum wrench. 151,860, Nov. 23.

Sylvania Electric Products, Inc., assignee: *See*—
Nitardy, Carl.

Troskin, Abraham, Brooklyn, N. Y. Lamp. 151,861, Nov. 23.

Von Miklos, Josephine, New Canaan, Conn., assignor to J. Cochran, Indio, Calif. Bottle. 151,862, Nov. 23.

Ziskin, Manuel S., University Heights, assignor to Kromex Corporation, Cleveland, Ohio. Ice bucket. 151,863, Nov. 23.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF NOVEMBER, 1948

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Aakjer, Jens J.: *See*—
Furst, Albert J., Aakjer, and Dickerson.

Abrams, Joseph S., Montreal, Quebec, Canada. Illustrated matter. 2,454,419, Nov. 23.

Acme Electric Corporation, assignee: *See*—
Miller, Edward A.

Acton, Russel D., Chicago, Ill. Tractor power device. 2,454,684, Nov. 23.

Adler, Leon, H. G. Johnson, and B. J. Schneider, assignors to Dyestuffs & Chemicals, Inc., St. Louis, Mo. Oleomargaine coloring unit. 2,454,420, Nov. 23.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Rehberg, Chessie E., and Fisher.

Air-Flo Compressor Company, The, assignee: *See*—
Fischer, William V.

Alderman, Elbert N., El Dorado, Kans. Flushing device for engine lubricating systems. 2,454,585, Nov. 23.

All American Airways, Inc., assignee: *See*—
Schultz, Arthur B.

Allen, Frank B., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Squeeze grip for portable fire extinguishers. 2,454,621, Nov. 23.

Amer, Donald F., Newcastle-on-Tyne, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Gas-blast electric circuit breaker. 2,454,586, Nov. 23.

American Bosch Corporation, assignee: *See*—
Osterman, Joseph T.

American Cyanamid Company, assignee: *See*—
Boothe, James H.
Coca, Arthur F.
Cullinan, John F., and Lytle.
Davis, Harold S., and Newey.
Funk, Charles E., Jr.
Hager, Floyd D.
Parfentjev, Ivan A., and Weil.
Pfann, Harry F., and Dixon.
Smyth, Glen M.

American Pearl Button Co., assignee: *See*—
Palmer, Rufus N.

American Steel Foundries, assignee: *See*—
Kayler, Frank H.

American Telephone and Telegraph Company, assignee: *See*—
Werner, Daniel R.

Amick, Erwin H., Jr.: *See*—
Harney, William S., Jr., and Amick.

Ammon, Edward R., Reading, Pa. Hosiery handling and inspecting apparatus. 2,454,622, Nov. 23.

Anderson, Einar A., Minneapolis, Minn. Butter cutter. 2,454,421, Nov. 23.

Applied Arts Corporation, assignee: *See*—
Hendricks, Cornelius.

Armatys, Edward, assignor to Interchemical Corporation, New York, N. Y. Pyrazolone azo pigment. 2,454,266, Nov. 23.

Armbrust Chain Company, assignee: *See*—
Armbrust, Ferdinand.

Armbrust, Ferdinand, Hoxie, R. I., assignor to Armbrust Chain Company. Finishing machine for ornamental chains. 2,454,299, Nov. 23.

Armco Steel Corporation, assignee: *See*—
Linnert, George E.

Armstrong Cork Company, assignee: *See*—
King, Ellis G.

Arnold, Gordon H., Flint, Mich. Stall indicating warning signal for airplanes. 2,454,587, Nov. 23.

Arrow-Hart & Hegeman Electric Co., assignee: *See*—
Gates, Frederic P.

Artzt, Maurice, Princeton, N. J., assignor to Radio Corporation of America. Wave generating system. 2,454,367, Nov. 23.

Ashton, Howard W., South Ardmore, Pa., assignor to O. W. Storey & Associates, Chicago, Ill. Transducer. 2,454,496, Nov. 23.

Ashton, Howard W., Havertown, Pa., assignor to O. W. Storey, as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill. Electrical apparatus. 2,454,497, Nov. 23.

Astra Bent Wood Furniture Co., assignee: *See*—
Hirsch, Frederic.

Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Two-temperature refrigerating system. 2,454,537, Nov. 23

Ateliers de Construction Electriques de Charierol, assignee: *See*—
Mees, Herman.

Atkinson, Paul S., New York, N. Y. Combination contact printer and enlarger. 2,454,422, Nov. 23.

Atkinson, Ralph L.: *See*—
Staunton, LeRoy W., and Atkinson.

Attorney General of the United States: *See*—
Bakonyi, Stefan.
Waselge, Charles R.

Auskelis, John V., Dorchester, and J. H. Martino, Mattapan, Mass. Clothes hanger for vehicles. 2,454,368, Nov. 23.

Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Drive axle for vehicles. 2,454,685, Nov. 23.

Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety switch for airplanes. 2,454,423, Nov. 23.

Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Compressor control system. 2,454,424, Nov. 23.

Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,454,588, Nov. 23.

Babey, Charles, W. Thommen, and E. Stocker, assignors to J. R. Geigy A.-G., Basel, Switzerland. Textile chrome-printing compositions and their manufacture. 2,454,623, Nov. 23.

Babson Bros. Co., assignee: *See*—
Babson, Henry B.
Schilling, Lorell J.

Babson, Henry B., Chicago, Ill., assignor to Babson Bros. Co. Overhead support for milkers. 2,454,300, Nov. 23.

Back, Frank G., New York, N. Y. Varifocal lens for cameras. 2,454,686, Nov. 23.

Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,454,301, Nov. 23.

Bakonyi, Stefan, Tovaros, Hungary, vested in the Attorney General of the United States. Refining keratin-containing material. 2,454,730, Nov. 23.

Ballentine, Earle W., Wilmette, assignor to Russell Electric Company, Chicago, Ill. Shaded pole motor and the like. 2,454,589, Nov. 23.

Bangert, Charles, Jr.: *See*—
Bazley, Carl E., and Bangert.

Bartelink, Everhard H. B., Bronxville, assignor to General Telephone Corporation, New York, N. Y. Signaling and control system for carrier telephone trunk circuits. 2,454,498, Nov. 23.

Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalysis of hydrocarbons. 2,454,369, Nov. 23.

Bauer, Benjamin B., assignor, by mesne assignments, to Shure Brothers, Incorporated, Chicago, Ill. Magnetic translating device. 2,454,425, Nov. 23.

Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Approach signal system. 2,454,687, Nov. 23.

Bazley, Carl E., Schenectady, and C. Bangert, Jr., Ballston Spa, N. Y., assignors to General Electric Company. Shockproof support. 2,454,538, Nov. 23.

Beaubien, de Gaspe, Outremont, near Montreal, Quebec, Canada. Electronic baking oven. 2,454,370, Nov. 23.

Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Hatch cover and means for locking the same. 2,454,688, Nov. 23.

Beavers, Ellington M., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparing resinous linear polyesters in crumblike form. 2,454,539, Nov. 23.

Beckwith, John R., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Electrical phase-shifting system. 2,454,426, Nov. 23.

Bee Bee Shoe Co., assignee: *See*—
Galper, Isa.

Bell, Dell E., Omaha, Nebr. Device for removing extruded plaster from exterior surfaces of dental flasks. 2,454,427, Nov. 23.

Bell, Harry G., Paris, and J. D. Gay, Jr., Lexington, Ky. Tobacco hogsheads and securing means for the heads thereof. 2,454,267, Nov. 23.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bacon, Walter M.
Gent, Edgar W.
Mason, Warren P.

Belmont Radio Corporation, assignee: *See*—
Beckwith, John R.

Benander, George B., Oaklawn, R. I., assignor to Monowatt Incorporated. Electric switch. 2,454,540, Nov 23.

Bendix Aviation Corporation, assignee: *See*—
McNaney, Joseph T.
Roberts, Jean M.

Berges, Donald M., Cleveland Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Explosion-proof motor. 2,454,371, Nov. 23.

Berlinger, Bernard E., Elkins Park, assignor to Quaker City Gear Works, Inc., Philadelphia, Pa. Continuous shaft brake for fishing reels. 2,454,590, Nov. 23.

Billeter, Henry R., Highland Park, Ill. Drill and drill jig bushing carrier attachment. 2,454,372, Nov. 23.

Blanchard, Benjamin B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,454,302, Nov. 23.

Blanding, Forrest H., Elizabeth, N. J., assignor to Standard Oil Development Company. Fluidized catalyst regeneration process which includes overhead cooling. 2,454,373, Nov. 23.

Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Polymeric detergents. 2,454,541, Nov. 23.

Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Polymeric detergents. 2,454,542, Nov. 23.

Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Polymeric detergents. 2,454,543, Nov. 23.

Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Polymeric detergents comprising water-soluble salts of the half-esters of dicarboxylic acids and the formaldehyde condensates of hydrocarbon-substituted phenoxy-polyalkoxy alkanols. 2,454,544, Nov. 23.

Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Hydrocarbon-substituted phenol-formaldehyde condensates modified in the phenolic hydroxyl. 2,454,545, Nov. 23.

Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Surface-active linear polyesters. 2,454,546, Nov. 23.

Bock, Louis H., Huntingdon Valley, Pa., and A. L. Houk, San Luis Obispo, Calif., assignors to Rohm & Haas Company, Philadelphia, Pa. Polymeric quaternary ammonium salts. 2,454,547, Nov. 23.

Boeing Airplane Company, assignee: *See*—
Christian, John C.

Boerger, Martin G., assignor to Modine Manufacturing Company, Racine, Wis. Producing radiator tubes. 2,454,624, Nov. 23.

Bondon, Lewis A., Arlington, N. J. Insulated electrical conductor and fabricating the same. 2,454,625, Nov. 23.

Boothe, James H., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Preparing 6-methyl pteridines. 2,454,751, Nov. 23.

Borg-Warner Corporation, assignee: *See*—
Berges, Donald M.

Borzell, John, Pittston, Pa. Fifth wheel coupling for trailers. 2,454,626, Nov. 23.

Bouton, Gertrude V., assignee: *See*—
Vischer, Alfred, Jr.

Bowen, John L., Sr., Morgantown, W. Va. Car-rail stop. 2,454,500, Nov. 23.

Bowlin, Pete, Lewiston, Idaho. Shaving kit. 2,454,374, Nov. 23.

Brackett, Frederick S., Chevy Chase, Md. Periscope mounting for armored vehicles. 2,454,268, Nov. 23.

Brady, Samuel G., and J. L. King, Royal Oak, assignors to The Gear Grinding Machine Company, Hamtramck, Mich. Indexing mechanism. 2,454,591, Nov. 23.

Brandt, Otho A., St. Paul, and F. G. Ellingsen, Minneapolis, Minn. Wheel operating means for airplanes. 2,454,627, Nov. 23.

Branson Company, assignee: *See*—
Powell, Clayborn F.

Braucher, Harvey M., Baltimore, Md. Milling machine. 2,454,269, Nov. 23.

Braun, Karl J., Merrick, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Punched card sorting machine. 2,454,628, Nov. 23.

Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Basing electric bulb. 2,454,270, Nov. 23.

Breslow, Ben B.: *See*—
Leo, Herbert S., and Breslow.

Brinkert, Edward J., Hartley, Iowa. Lifting device. 2,454,548, Nov. 23.

Brodheim, Morris, Philadelphia, Pa. Portable refrigerator. 2,454,303, Nov. 23.

Broluska, Amel B., Detroit, Mich. Fluid pressure turbine. 2,454,428, Nov. 23.

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Polymethine dyes. 2,454,629, Nov. 23.

Brown, George W., Cranbury, and E. A. Goldberg, Princeton, N. J., assignors to Radio Corporation of America. Electronic equation solver. 2,454,549, Nov. 23.

Brucksch, William F., Jr.: *See*—
Howland, Louis H., and Brucksch.

Buckendale, Lawrence R., and R. K. Super, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Friction coupling device. 2,454,271, Nov. 23.

Buckthal, Elmer P., Brookfield, assignor to United Air Lines, Inc., Chicago, Ill. Method and apparatus for indicating potential gradients. 2,454,630, Nov. 23.

Budzinski, Joseph, Kenosha, Wis. Cable eye and splicing the same. 2,454,592, Nov. 23.

Buehler, Allan M., assignor to Eastern Steel Products Limited, Preston, Ontario, Canada. Feeding mechanism for agricultural machines. 2,454,304, Nov. 23.

Bugatti, Ettore, Paris, France. Machine for bending and shaping rolled irons and the like. 2,454,429, Nov. 23.

Bundy Tubing Company, assignee: *See*—
Payne, Arthur W.

Burkholder, Alden H., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for coordinating the operating rate of forming thread with the drawing thereof. 2,454,731, Nov. 23.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Venetian blind head box. 2,454,550, Nov. 23.

Bush, Herman, Union City, N. J. Mechanical toy. 2,454,375, Nov. 23.

Butterfield, Harry E., Jr.: *See*—
Pityo, Albert F., and Butterfield.

Byler, William H., Morris Plains, and C. C. Carroll, Madison, N. Y., assignors to United States Radium Corporation, New York, N. Y. X-ray screen. 2,454,499, Nov. 23.

Cameron, Byron R., Mount Vernon, Ill. Drafting compass. 2,454,305, Nov. 23.

Camm, Frederick J., London, England. Pyrophoric lighter. 2,454,501, Nov. 23.

Carlson, Bert G., Gates Mills, assignor to W. R. Jack, Cleveland, Ohio. Servo unit. 2,454,551, Nov. 23.

Carlson, Joseph: *See*—
Thompson, Richard A., Eriksson, and Carlson.

Carlson, Marie E. H. W., assignee: *See*—
Thompson, Richard A., Eriksson, and Carlson.

Carroll, Clayton C.: *See*—
Byler, William H., and Carroll.

Carter Carburetor Corporation, assignee: *See*—
Ericson, George R.

Case, Harold W., Dayton, Ohio. Instrument panel for aircraft cockpits. 2,454,272, Nov. 23.

Case, J. I., Company, assignee: *See*—
Rutter, Alvah E.

Cashman, Aloysius F.: *See*—
Hodges, Caleb E., and Cashman.

Cashman, Edward P.: *See*—
Lieber, Eugene, and Cashman.

Cathey, Robert S., and L. D. Clarke, Portland, Oreg.; said Clarke, assignor to said Cathey. Support for newspaper bags. 2,454,732, Nov. 23.

Celanese Corporation of America, assignee: *See*—
Daly, Arthur J., and Lowe.

Central Soya Company, Inc., assignee: *See*—
Gunther, James K., and Sair.

Challcarne, Gabriel, assignor to Societe Anonyme: Forges & Atelliers De Meudon, Meudon, France. Pneumatic chuck. 2,454,593, Nov. 23.

Chneerson, Zalman, and A. Razdowitz, New York, N. Y. Holder for cigars and cigarettes. 2,454,631, Nov. 23.

Christensen, Niels C., Salt Lake City, Utah. Method and apparatus for spraying. 2,454,594, Nov. 23.

Christian, John C., Seattle, Wash., assignor to Boeing Airplane Company. Gun supporting mechanism. 2,454,502, Nov. 23.

Ciba Products Corporation, assignee: *See*—
Widmer, Gustav, Sutter, Fisch and Hochuli.

City Tank Corporation, assignee: *See*—
Green, Herman.

Clarke, Lewis D.: *See*—
Cathey, Robert S., and Clarke.

Cleveland Pneumatic Tool Company, The, assignee: *See*—
Van Sittert, Paul, Kostrubanic, and Lehman.

Clifford, David G., Palo Alto, Calif., and E. Pawlishen, deceased, by J. Pawlishen, administrator, New York, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tunable generator for ultra high frequencies. 2,454,306, Nov. 23.

Clover Industries, Inc., assignee: *See*—
Henderson, Harold P., and Kaplan.

Cobean, Richard W., Schenectady, N. Y., assignor to General Electric Company. Temperature responsive device. 2,454,552, Nov. 23.

Coca, Arthur F., Oradell, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Production of antibodies. 2,454,752, Nov. 23.

Cohn, Howard R., Brooklyn, N. Y. Educational device. 2,454,632, Nov. 23.

Cole, Ben R., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulated radar apparatus. 2,454,633, Nov. 23.

Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.

Commercial Solvents (Great Britain) Limited, assignee: *See*—
Darling, Harold N., and Holdsworth.

Control Instrument Company, Inc., assignee: *See*—
Braun, Karl J.

Cook Electric Company, assignee: *See*—
Hasselhorn, Walter C., and Jaap.

Cooley, Burnell, San Francisco, Calif. Interlocking mosaic. 2,454,307, Nov. 23.

Cortés, Edmundo, New York, N. Y. Hygienic dustpan. 2,454,430, Nov. 23.

C-O-Two Fire Equipment Company, assignee: *See*—
Allen, Frank B.

Cox, Richard F. B., assignor to Hercules Powder Company. Wilmington, Del. Cellulose ether composition. 2,454,273, Nov. 23.

Cox, Richard F. B., assignor to Hercules Powder Company. Wilmington, Del. Purifying a resinous lactone. 2,454,376, Nov. 23.

Craig, Alfred B.: *See*—
Gluesenkamp, Earl W., and Craig.
Mowry, David T., and Craig.

Craig, George D., II, Flushing, N. Y. Electromagnetic circuit. 2,454,634, Nov. 23.

Cramer, William F., Jr., assignor to The Dole Valve Company, Chicago, Ill. Drink dispenser. 2,454,595, Nov. 23.

Crampton, Basil R., assignor by mesne assignments, to Crampton Manufacturing Company, Grand Rapids, Mich. Double-action flush valve lever. 2,454,431, Nov. 23.

Crampton Manufacturing Company, assignee: *See*—
Crampton, Basil R.

Crandall, Theron T., Canoga Park, Calif. Punch press stripper. 2,454,432, Nov. 23.

Crane, Carl J., Dayton, Ohio. Automatic aural-visual signal transmitter for aviation ground trainers. 2,454,503, Nov. 23.

Cranston Print Works Company, assignee: *See*—
Jones, Albert S., and Stackpole.

Crever, Frederick E.: *See*—
Thompson, Louis W., and Crever.

Crouch, Willie W.: *See*—
Schulze, Walter A., and Crouch.

Cullinan, John F., and L. D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Acid treatment of pyrene-quinone vat dyestuffs. 2,454,433, Nov. 23.

Cunningham, Charles G., Chicago, Ill. Curtain or panel and hanger structure therefor. 2,454,434, Nov. 23.

Curtis, Cecil A., Manchester, and D. S. Stephens, Cheadle, England. Manufacture of rubberlike materials. 2,454,635, Nov. 23.

Curtis, Lucien B., Verona, N. J., assignor to Radio Corporation of America. Grid support structure. 2,454,377, Nov. 23.

Dahl, Alvin D., assignor to The Dow Chemical Company, Midland, Mich. Making dense magnesium oxide. 2,454,733, Nov. 23.

Daly, Arthur J., and W. G. Lowe, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of mixed esters of glycols. 2,454,274, Nov. 23.

Daly, Arthur J., and W. G. Lowe, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of mixed esters of polyhydroxy compounds. 2,454,275, Nov. 23.

Dana Corporation, assignee: *See*—
Peterson, Carl D., and Deimel.

Darlington, Harold N., Birkenhead, and H. Holdsworth, Wirral, assignors to Commercial Solvents (Great Britain) Limited, Bromborough Port, England. Distillation of acetone, ethanol, and butanol, from aqueous solutions thereof. 2,454,734, Nov. 23.

Dashew, Robert L., deceased, Baltimore, Md., by R. L. Dashew, administratrix, Pittsburgh, Pa. Knot tying mechanism. 2,454,689, Nov. 23.

Dashew, Ruth L., administratrix: *See*—
Dashew, Robert L.

Davis, Alan C., East Haddam, Conn. Device for preventing overtravel of operating mechanisms. 2,454,636, Nov. 23.

Davis, Evan W., Spokane, Wash. Bolt holding tool. 2,454,309, Nov. 23.

Davis, George B., Jr., Green Acres, Md., assignor to the United States of America as represented by the Secretary of War. Subcaliber gun mount. 2,454,276, Nov. 23.

Davis, Harold S., Riverside, Conn., and H. A. Newey, Richmond, Calif., assignors to American Cyanamid Company, New York, N. Y. Production of acrylonitrile. 2,454,308, Nov. 23.

Davis, Marion V. T., assignee: *See*—
Van Trine, Ralph.

Dawson, Charles A., South Pasadena, assignor to Lockhead Aircraft Corporation, Burbank, Calif. Portable riveting machine. 2,454,596, Nov. 23.

Dean, Troy O., Houston, Tex. Door hook. 2,454,690, Nov. 23.

De Ganahl, Carl, Trenton, N. J., assignor to Kaiser Fleetwings, Inc. Heat exchanger and reaction thrust apparatus. 2,454,310, Nov. 23.

De Groote, Melvin, University City, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Process for breaking petroleum emulsions. 2,454,435, Nov. 23.

Diemel, Albert H.: *See*—
Peterson, Carl D., and Deimel.

Delafontaine, Charles, Arlington, and F. W. Kotler, Watertown, Mass. Grinding and polishing machine. 2,454,597, Nov. 23.

De la Fuente Tejedo, Juan, Madrid, Spain. Electric machine for typing in the Braille and Abreu systems. 2,454,637, Nov. 23.

Deutsch, Joseph J., Norwalk, Conn., and J. Vigilante, New York, N. Y., said Vigilante assignor to said Deutsch. Ice-cream scoop. 2,454,735, Nov. 23.

Dickerson, Paul M.: *See*—
Furst, Albert J., Aakjer, and Dickerson.

Dickinson, John T., Basking Ridge, N. J., O. Morfit, Scarsdale, and L. J. Van Orden, Olean, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Fractionation of fats. 2,454,638, Nov. 23.

Dietz, Albert E., Washington, D. C. Smoker's pipe. 2,454,436, Nov. 23.

Diroff, Alton J.: *See*—
Peltier, Walter J., and Diroff.

Distillation Products, Inc., assignee: *See*—
Embree, Norris D., and Kuhrt.

Distillers Company, Limited, The, assignee: *See*—
Galitzenstein, Eugen Gottfried, and Woolf.

Ditto, Incorporated, assignee: *See*—
Holik, Melville J.

Dixon, James Kenneth: *See*—
Pfann, Harry F., and Dixon.

Dole Valve Company, The, assignee: *See*—
Cramer, William F., Jr.

Dow Chemical Company, The, assignee: *See*—
Dahl, Alvin D.
Lehnard, Philip J., Jr.
Stanton, George W., and Lowrey.

Doyle, Irvin H., Phoenix, Ariz. Stabilizing control mechanism for model airplanes. 2,454,598, Nov. 23.

Drautz, Walter G.: *See*—
Huey, William G., and Drautz.

Drew, E. F., & Co. Inc., assignee: *See*—
Pollack, Maxwell A.

Dunson, William M., Welska, Fla. Baby dining-play table. 2,454,599, Nov. 23.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Kirk, Joseph S.
Sauer, John C.

Duriron Company, Inc., The, assignee: *See*—
Jacobsen, Oystein.

Dyestuffs & Chemicals, Inc., assignee: *See*—
Adler, Leon, Johnson, and Schneider.

Eastern Steel Products Limited, assignee: *See*—
Buehler, Allan M.

Eastman Kodak Company, assignee: *See*—
Brooker, Leslie G. S.

Edison, Thomas A., Incorporated, assignee: *See*—
Hornbostel, John.

Edwards & Company, Inc., assignee: *See*—
Verkuil, Leo L.

Edwards, Raymond W., Mangotsfield, England. Portable chess or checker board with game piece retaining means. 2,454,639, Nov. 23.

Ehnborn, Victor C., Honolulu, T. H. Device for working thermoplastic materials. 2,454,437, Nov. 23.

Ehrenhaft, Franz F., Forest Hills, N. Y. Nonintermittent cinematographic projector. 2,454,504, Nov. 23.

Eichner, Ferdinand R., assignor to Trail-A-Boat Company, Pontiac, Mich. Mast for marine craft. 2,454,640, Nov. 23.

Eisner, Robert S., Red Bank, N. J., and D. Schoenholz, New York, N. Y., said Schoenholz assignor to said Eisner. Brush. 2,454,553, Nov. 23.

Electro-Pneumatic Looms Limited, assignee: *See*—
Heaton, John.

Ellingsen, Florence G.: *See*—
Brandt, Otho A., and Ellingsen.

Ellingson, Martin A., McCook, Nebr. Card shuffling and placement board. 2,454,691, Nov. 23.

Ellis-Foster Company, assignee: *See*—
Robertson, John W.

Embree, Norris D., and N. H. Kuhrt, assignors to Distillation Products, Inc., Rochester, N. Y. Preparation of tocopherol concentrate. 2,454,692, Nov. 23.

Empire Electric Brake Company, assignee: *See*—
Penrose, William F.

Enrico, Robert J.: *See*—
Iredell, Charles V., and Enrico.

Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Fluid pulsator transmission system. 2,454,311, Nov. 23.

Eriksson, Erik E.: *See*—
Thompson, Richard A., Eriksson, and Carlson.

Evans, Edward L., Wilmington, N. C. Door holder 2,454,505, Nov. 23.

Evans Products Company, assignee: *See*—
Nampa, Sulo M.

Evans, Val G.: *See*—
Tackett, James R., and Evans.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Moore, David W., Jr.

Falk, Charles T.: *See*—
Falk, Joseph M., and C. T.

Falk, Joseph M., and C. T., Kansas City, Mo. Holder and carrier for bottles and the like. 2,454,438, Nov. 23.

Faust, Jacob, Belleville, N. J., assignor to L. Sonneborn Sons, Inc. Alkaline earth metal petroleum sulfonate compositions. 2,454,736, Nov. 23.

Fengler, William W.: *See*—
Rogers, Thomas H., and Fengler.

Figmick, Michael J., Cairnbrook, Pa. Safety hitch for vehicles. 2,454,641, Nov. 23.

Finman, Marian L., Minneapolis, Minn. Comb. 2,454,642, Nov. 23.

First Industrial Corporation, assignee: *See*—
Repka, Paul T.

Fisch, Willi: *See*—
Widmer, Gastav, Sutter, Fisch, and Hochuli.

Fischer, Albert C., Chicago, Ill. Composition of rubber-like qualities. 2,454,506, Nov. 23.

Fischer, William V., assignor to The Air-Flo Compressor Company, Akron, Ohio. 2,454,600, Nov. 23.

Fisher, Charles H.: *See*—
Rehberg, Chessie E., and Fisher.

Flaherty, Charles J., New York, N. Y. Athletic supporter. 2,454,507, Nov. 23.

Fontaine, Clarence F. H., Newport, assignor to Marvel Jewelry Mfg. Company, Providence, R. I. Box catch for watch bracelets. 2,454,439, Nov. 23.

Food Machinery Corporation, assignee: *See*—
Krueger, Frank W.

Fordham, Stanley, Saltcoats, Scotland, and John L. Moilliet, Styal, England, assignors to Imperial Chemical Industries Limited. Gelatine blasting explosive compositions containing water-soluble salts. 2,454,643, Nov. 23.

Forgue, Stanley V., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray tube apparatus. 2,454,378, Nov. 23.

Fortuna, Bruno G., and Emil Helliker, North Bergen, N. J. Embroidery machine. 2,454,379, Nov. 23.

Foster, Charles H., New York, N. Y. Airplane control toy. 2,454,693, Nov. 23.

Foulston, Roy A., Tugaske, Saskatchewan, Canada. Wind electric governor. 2,454,440, Nov. 23.

Fox, Alexander P.: *See*—
Rotter, Lutwin C., Fox, and Mueller.

Francis, A. Glyn, assignee: *See*—
Middleton, John M.

Frederieksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Art of sewing. 2,454,277, Nov. 23.

Fritzlen, Thomas L., Florence, Ala., assignor to Reynolds Metals Co., Richmond, Va. High-strength corrosion-resistant aluminum alloy sheets. 2,454,312, Nov. 23.

Funk, Charles E., Jr., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Purification of guanidine nitrate. 2,454,644, Nov. 23.

Furst, Albert J., Newark, and J. J. Aakjer and P. M. Dickerson, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic device having a metal collar and discal ring supporting an electrode from a resonator. 2,454,313, Nov. 23.

Gallitzenstein, Eugen G., and C. Woolf, London, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Production of alkyl chlorides. 2,454,645, Nov. 23.

Gallagher, William M., Oklahoma City, Okla. Nutcracker with an adjustable sliding jaw. 2,454,601, Nov. 23.

Galper, Isa, assignor to Bee Bee Shoe Co., Manchester, N. H. Platform cover turning device. 2,454,441, Nov. 23.

Garnett, Edward V., Denver, Colo. Automobile transporting truck. 2,454,554, Nov. 23.

Gates, Frederic P., Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Electric range switch. 2,454,646, Nov. 23.

Gaver Tank & Mfg. Co., Inc., assignee: *See*—
Kamp, Ewald A.

Gay, Jacob D., Jr.: *See*—
Bell, Harry G., and Gay.

Gear Grinding Machine Company, The, assignee: *See*—
Brady, Samuel G., and King.

Geiger, John P., assignee: *See*—
Smith, Merton J.

Geigy, J. R., A.-G., assignee: *See*—
Babey, Charles T., and Stocker.

General Aniline & Film Corporation, assignee: *See*—
Huey, William G., and Drautz.
Morgan, Jack F.

General Electric Company, assignee: *See*—
Atchison, Leonard W.
Bazley, Carl E., and Bangert.
Coburn, Richard W.
Lafferty, James W.
Linke, Ernest A.
Nelson, Richard B.
Rector, Paul C.
Stauffer, Lynn H.
Thielemann, Rudolf H.
Thomas, Charles A.
Thompson, Louis W., and Crever.

General Motors Corporation, assignee: *See*—
Kaufman, Daniel L.

General Telephone Corporation, assignee: *See*—
Bartelink, Everhard H. B.

Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum cleaner. 2,454,314, Nov. 23.

Gibbs, Kelly W., and R. Hillman, Ashland, Ky. Cement block machine. 2,454,442, Nov. 23.

Gilbert, A. C., Company, The, assignee: *See*—
Morse, Shirley P.

Giles, Eugene M., Western Springs, assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Grip nut. 2,454,443, Nov. 23.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure switch. 2,454,647, Nov. 23.

Gluesenkamp, Earl W., and A. B. Craig, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymers of hydrocarbon dienes and acrylates of alpha-hydroxy - methylethano - 9,10 - dihydroanthracene. 2,454,737, Nov. 23.

Goddard, Anne F., executrix: *See*—
Yanes, Francisco G.

Goff, Francis L., assignee: *See*—
Hurst, Edmund E., and Paxton.

Goff, Francis Lee, assignor of one-third to E. E. Hurst and one-third to J. W. Paxton, Bloomington, Ill. Perspective drafting attachment. 2,454,380, Nov. 23.

Goldberg, Edwin A.: *See*—
Brown, George W., and Goldberg.

Goodman Manufacturing Company, assignee: *See*—
Hagenbook, Loy D.
Sloane, William W.

Gordy, Irving, Eatontown, N. J. Sealed potentiometer. 2,454,278, Nov. 23.

Gorham, John E.: *See*—
Zahl, Harold A., Rouse, and Gorham.

Gorham, John E., Spring Lake, N. J. High-power oscillator tube. 2,454,279, Nov. 23.

Gosnell, Jesse L., St. Joseph, Mo. Wedge actuator attachment for journal boxes. 2,454,445, Nov. 23.

Grebb, Robert F., Boise, Idaho. Automatic fluid controlled transmission. 2,454,694, Nov. 23.

Green, Herman, Garden City, assignor to City Tank Corporation, Corona, Long Island, N. Y. Sign stand for displaying posters. 2,454,648, Nov. 23.

Grubola, Edward F., assignee: *See*—
Kirschbaum, Abe F.

Grubola, Henry M., assignee: *See*—
Kirschbaum, Abe F.

Guinot, Henri M., Versailles, assignor to Les Usines De Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Pyroligneous liquors for preserving food products and preparing the same. 2,454,649, Nov. 23.

Gunther, Frederick F., assignor to Helmco, Inc., Chicago, Ill. Needle holder and sterilizer. 2,454,602, Nov. 23.

Gunther, James K., and L. Sair, Decatur, assignors to Central Soya Company, Inc., Fort Wayne, Ind. Treating fish press water. 2,454,315, Nov. 23.

Haecks, Erwin, San Francisco, Calif. Dough cutter. 2,454,316, Nov. 23.

Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,454,446, Nov. 23.

Hager, Floyd D., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Inoculum and preparing and using same. 2,454,753, Nov. 23.

Hambly, Allen E., Huntington Park, assignor to Byron Jackson Co., Vernon, Calif. Suspension for pipe tongs. 2,454,317, Nov. 23.

Hamilton Art Metal Corporation, assignee: *See*—
Wedemeyer, Eric.

Hammell, Frederick P., Washington, D. C. Clothes guard attachment for ironing boards. 2,454,381, Nov. 23.

Hammer, Samuel, New York, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Fastening means and combination. 2,454,695, Nov. 23.

Hardesty, George K. C., Seat Pleasant, Md. Illuminated indicator using light polarizing elements. 2,454,280, Nov. 23.

Hardware Products Co.: *See*—
Nissenbaum, Moses D.

Harlan, John L., Houston, Tex., assignor to Standard Oil Development Company. Resolving petroleum emulsions. 2,454,382, Nov. 23.

Harney, William S., Jr., Elizabeth, and E. H. Amick, Jr., Linden, N. J., assignors to Standard Oil Development Company. Dehydration of methyl ethyl ketone by azeotropic distillation under superatmospheric pressure. 2,454,447, Nov. 23.

Harris, Forist, Merced, Calif. Sanding machine. 2,454,650, Nov. 23.

Harshaw Chemical Company, The, assignee: *See*—
Kremers, Harry C., and Price.

Hartford National Bank and Trust Company, assignee, as trustee: *See*—
Roovers, Wilhelmus A.

Hasselhorn, Walter C., and J. F. Jaap, assignors to Cook Electric Company, Chicago, Ill. Lightning arrester. 2,454,448, Nov. 23.

Haws, James C., and C. A. White, Sugarland, Tex. Shade roller bracket. 2,454,449, Nov. 23.

Hawthorne, William R., Silver Spring, Md., assignor to Power Jets (Research and Development) Ltd., London, England. Internal-combustion turbine power plant. 2,454,738, Nov. 23.

Hayes, William A., Kearny, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fabricating electron discharge devices. 2,454,318, Nov. 23.

Hazeltine Research, Inc., assignee: *See*—
Malling, Leonard R.

Heaton, John, Riddlesden, Keighley, assignor to Electro-Pneumatic Looms Limited, Bradford, England. Picking motion for looms. 2,454,603, Nov. 23.

Heid, Jacob B., Oak Park, assignor to Universal Oil Products Company, Chicago, Ill. Refining of hydrocarbon distillates. 2,454,383, Nov. 23.

Heijn, Paul C.: *See*—
Watson, Leland A., and Heijn.

Heim, Edward A., Lisbon, Ohio. Joist and girder construction. 2,454,604, Nov. 23.

Helliker, Emil: *See*—
Fortuna, G., and Helliker.

Helmco, Inc., assignee: *See*—
Gunther, Frederick F.

Henderson, Harold P., and P. Kaplan, assignors to Clover Industries Inc., Buffalo, N. Y. Combination cap and plug. 2,454,555, Nov. 23.

Henderson, Philip H., Los Angeles, Calif. Traction splint. 2,454,319, Nov. 23.

Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Ash receiver. 2,454,450, Nov. 23.

Hendrickson, Severin B., Templeton, assignor to Heywood-Wakefield Company, Gardner, Mass. Detachable glide unit for furniture legs. 2,454,739, Nov. 23.

Henley's Tyre & Rubber Company, assignee: *See*—
Woods, Edgar C.

Henry, Thomas J., Newark, N. J., assignor to Radio Corporation of America. Button stem for electron discharge devices. 2,454,384, Nov. 23.

Hercules Powder Company, assignee: *See*—
Cox, Richard F. B.

Herrick, George G., Benzinger Township, Elk County, and H. N. Veley, assignors to Speer Resistor Corporation, St. Marys, Pa. Resistor and making the same. 2,454,508, Nov. 23.

Hewitt, Ellis E., Edgewood, and A. G. Larson, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,454,509, Nov. 23.

Heyman, Wilbert A., New York, N. Y. Forming a coffee concentrate. 2,454,510, Nov. 23.

Heymann, Seymour E., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Aircraft heater, including means to prevent fuel contamination of the ventilating air. 2,454,512, Nov. 23.

Heymann, Seymour E., Evanston, and W. A. Marshall, Jr., Chicago, Ill., assignors to Stewart-Warner Corporation. Combustion air heater having variable output with constant temperature. 2,454,511, Nov. 23.

Heywood-Wakefield Company, assignee: *See*—
Hendrickson, Severin B.

Hicks, Clarence A., Milwaukee, Wis. Antipersonnel artillery mine. 2,454,281, Nov. 23.

Highberg, Axel L., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine cooling means. 2,454,696, Nov. 23.

Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Tractor mower. 2,454,697, Nov. 23.

Hill, Philip: *See*—
Ridgway, John A., Jr., and Hill.

Hillman, Roy: *See*—
Gibbs, Kelly W., and Hillman.

Hinks, Bernard, Willenhall, England. Electromagnetic switch. 2,454,451, Nov. 23.

Hippler, Hans, North Hollywood, Calif. Hook guard. 2,454,698, Nov. 23.

Hirsch, Frederic, assignor, by mesne assignments, to Astra Bent Wood Furniture Co., New York, N. Y. Composite chair. 2,454,699, Nov. 23.

Hirst, Franklin G., Philadelphia, Pa. Disk handling apparatus. 2,454,556, Nov. 23.

Hochuli, Ernst: *See*—
Widmer, Gustav, Sutter, Fisch, and Hochuli.

Hodges, Caleb E., Roselle, N. J., and A. F. Cashman, Staten Island, N. Y., assignors to Standard Oil Development Company. Lube additives made by solvent refining high molecular weight aliphatic-aromatic condensation products. 2,454,452, Nov. 23.

Holdsworth, Harold: *See*—
Darling, Harold N., and Holdsworth.

Holik, Melville J., Berwyn, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating inks. 2,454,700, Nov. 23.

Homeyer, August H.: *See*—
Wallingford, Vernon H., and Homeyer.

Homrighous, John H., Oak Park, Ill. Synchronizing system. 2,454,651, Nov. 23.

Honey, John P., Danville, Ill. Shield for dental lathes. 2,454,513, Nov. 23.

Hopkins, Mark C.: *See*—
Kirkbridge, Chalmer G., and Hopkins.

Hornbostel, John, Glen Ridge, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Hygrometer and switch for radiosondes. 2,454,320, Nov. 23.

Houdry Process Corporation, assignee: *See*—
Bates, John R.

Houk, Alva L.: *See*—
Bock, Louis H., and Houk.

Howard, Jack W., Brigham, Utah. Convertible skate. 2,454,321, Nov. 23.

Howard, Jesse: *See*—
Nissenbaum, Moses D.

Howard, Lena: *See*—
Nissenbaum, Moses D.

Howland, Louis H., Watertown, and W. F. Brucksch, Jr., Bethany, Conn., assignors to United States Rubber Company, New York, N. Y. Manufacture of fumaric acid. 2,454,385, Nov. 23.

Howland, Louis H., Watertown, and W. F. Brucksch, Jr., Bethany, Conn., assignors to United States Rubber Company, New York, N. Y. Manufacture of fumaric acid. 2,454,386, Nov. 23.

Howland, Louis H., Watertown, and W. F. Brucksch, Jr., Bethany, Conn., assignors to United States Rubber Company, New York, N. Y. Isomerization of maleic acid to fumaric acid. 2,454,387, Nov. 23.

Huey, William G., Nassau, and W. G. Drautz, Glenmont, assignors to General niline & Film Corporation, New York, N. Y. Pigment green and producing the same. 2,454,453, Nov. 23.

Hughes, Marion D., Wilmot, Ark. Rail fastener. 2,454,454, Nov. 23.

Hurst, Edmund E., assignee: *See*—
Goff, Francis L.

Hurst, Edmund E., and J. W. Paxton, assignors of one-third to F. L. Goff, Bloomington, Ill. Drafting equipment. 2,454,388, Nov. 23.

Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Lever. 2,454,701, Nov. 23.

Iams, Harley, A. Rose, and G. L. Krieger, Princeton, N. J., assignors to Radio Corporation of America. Cathode-ray storage tube. 2,454,652, Nov. 23.

Illinois Tool Works, assignee: *See*—
Giles, Eugene M.
Poupitch, Ougljesa J.

Imperial Chemical Industries Limited, assignee: *See*—
Fordham, Stanley, and Moilliet.
McGinty, Lawrence.
Smith, Walter F., and White.

Industrial Rayon Corporation, assignee: *See*—
Burkholder, Alden H.

Interchemical Corporation, assignee: *See*—
Armatys, Edward.

International Harvester Company, assignee: *See*—
Avila, Frank W.
Hilblom, Samuel E.
Palmer, John S.
Wherry, Isaac M.

Iredell, Charles V., Essex Fells, and R. J. Enrico, Union City, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of molybdenum. 2,454,322, Nov. 23.

Irvine, Vanan C.: *See*—
Tamele, Miroslav W., Irvine, and Mahar.

Irwin, James W., Washington, D. C. Telescoping cigarette case. 2,454,455, Nov. 23.

Jaap, John F.: *See*—
Hasselhorn, Walter C., and Jaap.

Jack, William R., assignee: *See*—
Carlson, Bert G.

Jackson, Byron Co., assignee: *See*—
Hambly, Allen E.

Jackson, Edward H., Jr., Temple, Pa. Spinning means and method. 2,454,323, Nov. 23.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug valve. 2,454,389, Nov. 23.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Centrifugal pump. 2,454,390, Nov. 23.

Jacobson, Franz, New York, N. Y. No-twist self-locking coupling. 2,454,557, Nov. 23.

Jefferson, Glen V., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 2,454,702, Nov. 23.

Joannides, Christe, Edgeware, England. Materials for dental purposes. 2,454,456, Nov. 23.

Joannides, Christe, Edgware, England. Making dentures. 2,454,457, Nov. 23.

Johnson, Harold G.: *See*—
Adler, Leon, Johnson, and Schneider.

Johnson, Herbert L., Peabody, Mass. Tube forming device. 2,454,282, Nov. 23.

Jones, Albert S., Dudley, and G. B. Stackpole, Oxford, Mass., assignors to Cranston Print Works Company, Cranston, R. I. Producing printed fabrics. 2,454,391, Nov. 23.

Jorgenson, John P., Wilmette, assignor to Kling Bros. Engineering Works, Chicago, Ill. Tumbler. 2,454,392, Nov 23

Joslyn Mfg. and Supply Co., assignee: *See*—
Smalley, Burt M

Joy Manufacturing Company, assignee: *See*—
Wineman, Wade H.

Kaetker, Howard C., Cincinnati, Ohio. Fishing pole holder. 2,454,458, Nov. 23.

Kaiser Fleetwings, Inc., assignee: *See*—
De Ganahl, Carl.

Kamp, Ewald A., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc. Method of and apparatus for the removal of solids from liquids, with a control operating in response to viscosity or pressure. 2,454,653, Nov. 23.

Kaplan, Philip: *See*—
Henderson, Harold P., and Kaplan.

Kaufman, Daniel L., assignor to General Motors Corporation, Dayton, Ohio. Air cooling apparatus. 2,454,654, Nov. 23.

Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler attachment. 2,454,514, Nov. 23.

Kearfott Company, Inc., assignee: *See*— Reichel, Wladimir A.

Kellogg, M. W., Company, The, assignee: *See*— Dickinson, John T., Morfit, and Van Orden.

King, Ellis G., Pittsburgh, assignor to Armstrong Cork Company, Lancaster, Pa. Sealing element including a binder consisting of polyisobutylene and factice. 2,454,283, Nov. 23.

King, John L.: *See*— Brady, Samuel G., and King.

King, Lucille, Bartow, Fla. Hair curler. 2,454,459, Nov. 23.

Kirk, Joseph S., Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of half-ester of styrene-maleic anhydride copolymer and a solvent. 2,454,284, Nov. 23.

Kirkbride, Chalmer G., College Station, and M. C. Hopkins, Texas City, Tex., assignors to Pan American Refining Corporation, New York, N. Y. Desalting crude oil. 2,454,605, Nov. 23.

Kirschbaum, Abe F., Greenbelt, Md., assignor to H. M. Grubola, Washington, D. C., and E. F. Grubola, Long Island City, N. Y. Educational device. 2,454,635, Nov. 23.

Kispert, Joseph J., Mount Carmel, Conn. Ventilated corset. 2,454,606, Nov. 23.

Kleinsmith, Ben, Seattle, Wash. Tight curl forming device. 2,454,558, Nov. 23.

Kling Bros. Engineering Works, assignee: *See*— Jorgenson, John P.

Knapp, William E., Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Tractor mounted loader. 2,454,461, Nov. 23.

Koepke, Walter, Baytown, Tex. Fish gig. 2,454,460, Nov. 23.

Kollman, Alexander A., Los Angeles, Calif. Mechanical galloping horse. 2,454,656, Nov. 23.

Kopp Glass, Inc., assignee: *See*— Leberknight, Charles E., and Ostrader.

Kostrubanic, Michael, Jr.: *See*— Van Sittert, Paul, Kostrubanic, and Lehman.

Kotler, Frank W.: *See*— Delafontaine, Charles, and Kotler.

Kreiger, Gardner L.: *See*— Iams, Harley, Rose, and Kreiger.

Kremers, Harry C., Cleveland Heights, and R. E. Price, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Production of welded silver chloride articles. 2,454,462, Nov. 23.

Kromer, Edward L.: *See*— Kromer, Esther M. and E. L.

Kromer, Esther M. and E. L., Chicago, Ill. Baby's safety sheet. 2,454,463, Nov. 23.

Krueger, Frank W., Atherton, assignor to Food Machinery Corporation, San Jose, Calif. Container feeder. 2,454,285, Nov. 23.

Kuehn, Henry F., Seattle, Wash. Portable drying rack. 2,454,559, Nov. 23.

Kuhrt, Noel H.: *See*— Embree, Norris D., and Kuhrt.

Kuzmin, Walter R., Nutley, and S. J. Levine, Newark, N. J. Vaporizer. 2,454,657, Nov. 23.

Lacey-Webber Co., assignee: *See*— Siemers, Eric.

Lafferty, James W., Colonie, N. Y., assignor to General Electric Company. Ultra high frequency electric discharge device. 2,454,560, Nov. 23.

La Fond, Joseph O., Gardner, Mass. Spring construction. 2,454,703, Nov. 23.

Laidig, Alfred H.: *See*— McNall, John W., and Laidig.

Land, Edwin H., Boston, Mass., assignor to Polaroid Corporation, Dover, Del. Light-polarizing sheet of molecularly oriented transparent linear high polymer dyed with dichroic substance and manufacture. 2,454,515, Nov. 23.

Larson, Arthur G.: *See*— Hewitt, Ellis E., and Larson

Laureyns, Fred R., Middle Village, N. Y. Adjustable multiple plate holder. 2,454,516, Nov. 23.

Lear, Incorporated, assignee: *See*— Nygaard, Herman.

Leberknight, Charles E., and E. C. Ostrander, Edgewood, assignors to Kopp Glass, Inc., Swissvale, Pittsburgh, Pa. Glass composition. 2,454,607, Nov. 23.

Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Control for engine cooling blowers. 2,454,324, Nov. 23.

Lee, Walter E., Chicago, Ill. Tent structure. 2,454,464, Nov. 23.

Lehman, Eugene W.: *See*— Van Sittert, Paul, Kostrubanic, and Lehman.

Lehnhard, Philip J., Jr., Midland, Tex., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for treating wells. 2,454,740, Nov. 23.

Leitch, Donald M., Los Angeles, Calif., assignor to North American Aviation, Inc. Tail wheel mechanism. 2,454,658, Nov. 23.

Leo, Herbert S., and B. B. Breslow, assignors to Utility Appliance Corp., Los Angeles, Calif. Pipe fitting. 2,454,465, Nov. 23.

Leonard, Charles A., Cincinnati, Ohio. Miles-per-gallon meter. 2,454,393, Nov. 23.

Leonard, Charles A., Cincinnati, Ohio. Electrically controlled governor. 2,454,659, Nov. 23.

Leonard, Everett P., Forth Worth, Tex. Nut-shelling machine. 2,454,660, Nov. 23.

Lerner, William H., Lorain, Ohio, assignor, by mesne assignments, to Specialties Development Corporation, Belleville, N. J. Dip tank for thermoplastic material. 2,454,286, Nov. 23.

Le Roi, Earl J., Baton Rouge, La., assignor to Standard Oil Development Company. Regeneration of fluid catalysts with cooling of the flue gases by water injection. 2,454,466, Nov. 23.

Lester Engineering Company, assignee: *See*— Lester, Nathan, and Schwartz.

Lester, Nathan, Shaker Heights, and W. H. Schwartz, assignors to Lester Engineering Company, Cleveland, Ohio. Extrusion machine for plastic material. 2,454,661, Nov. 23.

Lester, William M., Mountainside, N. J. Molding machine. 2,454,561, Nov. 23.

Les Usines de Melle (Societe Anonyme) assignee: *See*— Guinot, Henri M.

Levine, Samuel J.: *See*— Kuzmin, Walter R., and Levine.

Lieber, Eugene, New York, N. Y., and E. P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lubricating oil composition. 2,454,394, Nov. 23.

Lincoln Engineering Company, assignee: *See*— Rotter, Lutwin C., Fox, and Mueller.

Linke, Ernest A., Fort Wayne, Ind., assignor to General Electric Company. Current collector brush mechanism. 2,454,562, Nov. 23.

Linnert, George E., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Combustion cutting of stainless steel. 2,454,325, Nov. 23.

Lisek, Walter J., Chicago, Ill. Napkin holder. 2,454,517, Nov. 23.

Lockheed Aircraft Corporation, assignee: *See*— Dawson, Charles A.

Lopez, Manuel, Akron, Ohio. Sleeve stretcher or the like. 2,454,395, Nov. 23.

Love, Robert M., Baytown, Tex., assignor to Standard Oil Development Company. Removing olefins from aromatic hydrocarbons. 2,454,467, Nov. 23.

Lowe, William G.: *See*— Daly, Arthur J., and Lowe.

Lowry, Charles E.: *See*— Stanton, George W., and Lowry.

Lytle, Lawrence D.: *See*— Cullinan, John F., and Lytle.

Machlett Laboratories Incorporated, assignee: *See*— Rogers, Thomas H., and Fengler.

Mahar, James F.: *See*— Tamele, Miroslav W., Irvine, and Mahar.

Mahoney, Ruth M., Santa Monica, Calif. Maternity garment. 2,454,287, Nov. 23.

Malco Company, Incorporated, The, assignee: *See*— Watson, Leland A., and Heljn.

Makenny, William: *See*— Whitmore, James B., Makenny, and Newcombs.

Makenny, William, Mountainview, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Base and contact for electrical devices. 2,454,326, Nov. 23.

Malcolm, Scott: *See*— Mitchell, Percival H., and Malcolm.

Mallinckrodt Chemical Works, assignee: *See*— Wallingford, Vernon H., and Homeyer.

Malling, Leonard R., San Diego, Calif., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal receiver-transmitter system. 2,454,396, Nov. 23.

Malsom, Frank, Maplewood, N. J. Base for holding vernier calipers. 2,454,327, Nov. 23.

Marsh, James, Bay City, Mich. Device for mixing fertilizer with soil and screening. 2,454,662, Nov. 23.

Marshall, William A., Jr.: *See*— Heymann, Seymour E., and Marshall, Jr.

Martin, Oliver O., Montrose, Calif. Margin justifying device for typewriters. 2,454,470, Nov. 23.

Martino, Joseph H.: *See*— Auskelis, John V., and Martino.

Marvel Jewelry Mfg. Company, assignee: *See*— Fontaine, Clarence F. H.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,454,328, Nov. 23.

McArdle, Edward H., Linden, N. J., assignor to Standard Oil Development Company. Preparing aromatic nitro compounds and amines. 2,454,468, Nov. 23.

McCann, Gordon, Oakland, Calif. Portable shower unit. 2,454,518, Nov. 23.

McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency electronic tube. 2,454,741, Nov. 23.

McClure, Glenn T., and J. W. Rush, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve device. 2,454,469, Nov. 23.

McGinty, Lawrence, Frodsham, near Warrington, Cheshire, England, assignor to Imperial Chemical Industries Limited. Fluorodihalo esters. 2,454,663, Nov. 23.

McLean, Robert E., Fort Benning, Ga. Takedown type swing-out-of-the-way wall bracket. 2,454,664, Nov. 23.

McMichael, Floyd J., Orlando, Fla. Method and apparatus for cooling produce by alternate dipping and draining. 2,454,704, Nov. 23.

McMichael, Floyd J., Orland, Fla. Method and apparatus for cooling produce by alternate dripping and draining. 2,454,705, Nov. 23.

McMichael, Floyd J., Orlando, Fla. Method and apparatus for cooling produce by alternate dipping and draining. 2,454,706, Nov. 23.

McNall, John W., East Orange, and A. H. Laidig, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Positive grid oscillator. 2,454,330, Nov. 23.

McNaney, Joseph T., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Combination step-by-step and induction motor. 2,454,519, Nov. 23.

Mees, Herman, Lodelinsart, assignor to Ateliers de Construction Electriques de Charleroi, Brussels, Belgium. Fluid-cooled current converter. 2,454,665, Nov. 23.

Mercier, Jean, New York, N. Y. Pump output regulator. 2,454,563, Nov. 23.

Merwin, Harry H., and A. C. Nystrom, Rutherford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Takeup mechanism. 2,454,329, Nov. 23.

Meyer, August J.: *See*— Peterson, Anton U., and Meyer.

Meyerdick, Clarence E., Fair Oaks, Calif. Luggage carrier and protector. 2,454,608, Nov. 23.

Meyers, George L., Willoughby, and J. C. Shutt, Wickliffe, assignors to The Ohio Rubber Company, Willoughby, Ohio. Mounting for spinning rings and the like. 2,454,707, Nov. 23.

Michaelson, Marion L., Ames, Iowa, assignor to the United States of America as represented by the Secretary of War. Heat-pressure operated warning switch. 2,454,288, Nov. 23.

Middleton, John M., Harrisburg, assignor of fifty per cent to A Glyn Francis, Camp Hill, Pa. Apparatus for heating ceramics. 2,454,708, Nov. 23.

Miller, Edward A., Cuba, N. Y., assignor, by mesne assignments, to Acme Electric Corporation. Making laminations. 2,454,609, Nov. 23.

Miller, Joe W., Brunswick, Ga. Planer attachment for lathes. 2,454,331, Nov. 23.

Minneapolis-Honeywell Regulator Company, assignee: *See*— Baak, Albert E. Gille, Willis H.

Minneapolis-Moline Power Implement Company, assignee: *See*— Knapp, William E.

Mitchell, Percival H., and S. Malcolm, Toronto, Ontario, Canada. Lens for lighting equipment. 2,454,332, Nov. 23.

Modine Manufacturing Company, assignee: *See*— Boerger, Martin G.

Moilliet, John L.: *See*— Fordham, Stanley, and Moilliet.

Moir, William T., Sherwood, Oreg. Matrix predrier. 2,454,334, Nov. 23.

Molnar, Eugene J., Toledo, Ohio, assignor to Montclair Research Corporation. Alginate impression material containing chromic sulfate. 2,454,709, Nov. 23.

Momberg, James W., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine drive. 2,454,471, Nov. 23.

Monkley, Edward H., Worcester, Mass. Tool grinding fixture. 2,454,472, Nov. 23.

Monowatt Incorporated, assignee: *See*— Benander, George B.

Monsanto Chemical Company, assignee: *See*— Gluesenkamp, Earl W., and Craig. Mowry, David T., and Craig.

Montcalm, Incorporated, assignee: *See*— Roth, Joseph N.

Montclair Research Corporation, assignee: *See*— Molnar, Eugene J. Robertson, John W.

Moon, James M., Graham, N. C. Electric drain stopper. 2,454,333, Nov. 23.

Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Ratio-measuring system. 2,454,520, Nov. 23.

Morfit, Oliver: *See*— Dickinson, John T., Morfit, and Van Orden.

Morgan, Jack F., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Pyridazone derivatives and preparing the same. 2,454,742, Nov. 23.

Morris, Howard I., San Marcos, Calif., assignor to The Yoder Company, Cleveland, Ohio. Apparatus for vulcanizing flexible tubes. 2,454,666, Nov. 23.

Morse, Shirley P., East Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Attachment cord anchorage with ball contact switch. 2,454,667, Nov. 23.

Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Iron oxide-alkali metal pyroantimoniate catalysts and preparation. 2,454,398, Nov. 23.

Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Sight for firearms. 2,454,397, Nov. 23.

Mossberg, O. F., & Sons, Inc., assignee: *See*— Mossberg, Harold F.

Mowry, David T., and A. B. Craig, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymer of a conjugated hydrocarbon diene and an acrylate of a cyclopentadienyl alcohol. 2,454,743, Nov. 23.

Mueller, Carl H.: *See*— Rotter, Lutwin C., Fox, and Mueller.

Myers, David I.: *See*— Weisblatt, David I., and Myers.

Myers, Donald R.: *See*— Weisblatt, David I., Myers, and Wise.

Myers, Walter, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stop mechanism for sewing machines. 2,454,710, Nov. 23.

Nampa, Sulo M., assignor to Evans Products Company, Detroit, Mich. Apparatus for loading freight or the like. 2,454,473, Nov. 23.

Nance, Wilbur O., Ardmore, Okla. Paintbrush holder. 2,454,474, Nov. 23.

Napier, D., & Son Limited, assignee: *See*— Snell, Leonard S.

Narcus, Harold, Worcester, Mass. Metalization on nonconductors. 2,454,610, Nov. 23.

National Slug Rejectors, Inc., assignee: *See*— Wallin, Fred E.

Navy, United States of America as represented by the Secretary of the, assignee: *See*— Shoemaker, David P.

Neef, Frederick E., Jr., U. S. Army, Hartsdale, N. Y. Portable self-contained drum cleaner. 2,454,289, Nov. 23.

Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Ionization-type vacuum gauge. 2,454,564, Nov. 23.

Netschert, Franz, Glendale, assignor to Technical Glass Company, Los Angeles, Calif. Door latch. 2,454,754, Nov. 23.

Newcombe, Frank A.: *See*— Whitmore, James B., Makenny, and Newcombe.

Newey, Herbert A.: *See*— Davis, Harold S., and Newey.

Nichols, Gordon E., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass. Easel back. 2,454,521, Nov. 23.

Nichols, Hayden, Salt Lake City, Utah. Shoe closure. 2,454,335, Nov. 23.

Nissenbaum, Moses D., Brooklyn, assignor to J. and L. Howard, co-partners, doing business as Hardware Products Co., New York, N. Y. Sandpaper holder. 2,454,668, Nov. 23.

Norlin, Clarence F., Chicago, Ill. Pencil eraser. 2,454,399, Nov. 23.

Norman, Joseph T., Huntington Mills, Pa. Automatic stoker. 2,454,400, Nov. 23.

North American Aviation, Inc., assignee: *See*— Leitch, Donald M.

Norwood, Arthur F. B., Dalkeith, Victoria, Australia. Treatment of gold- and silver-bearing ores, residues, and other products. 2,454,336, Nov. 23.

Nudelman, Eoina, assignor to Whitehall Publishing Company, Chicago, Ill. Animated toy book. 2,454,669, Nov. 23.

Nygaard, Herman, East Orange, N. J., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Electronic motor control system. 2,454,401, Nov. 23.

Nystrom, Axel C.: *See*— Merwin, Harry H., and Nystrom.

Odell, George W., Rutherford, N. J. Means for use in computing elapsed time and the like. 2,454,711, Nov. 23.

Ohio Rubber Company, The, assignee: *See*— Meyers, George L., and Shutt.

Okrain, Lazar, New York, N. Y. Xylophone. 2,454,402, Nov. 23.

Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic device. 2,454,337, Nov. 23.

Olsen, Ivan, Muskegon, Mich. Mold for producing crankshafts. 2,454,712, Nov. 23.

O'Meara, Thomas J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Polarized electrical relay. 2,454,713, Nov. 23.

Operadio Manufacturing Co., assignee: *See*— Stone, John M.

Orchard Industries, Inc., assignee: *See*— Thompson, Richard A., Eriksson, and Carlson.

Oriani, Richard A.: *See*— Skow, Norman A., Seiler, Oriani, and Whitaker.

Osterman, Joseph T., Northampton, assignor to American Bosch Corporation, Springfield, Mass. Converter for ignition systems. 2,454,714, Nov. 23.

Ostrader, Eugene C.: *See*— Leberknight, Charles E., and Ostrader.

Owen, Benjamin F., Omaha, Nebr. Scraper. 2,454,475, Nov. 23.

Paddock, Levi S.: *See*— Ramsbottom, John M., and Paddock.

Palmer, John S., Chicago, Ill., assignor to International Harvester Company. Device for preventing excessive condensation in the insulating space of refrigerators. 2,454,715, Nov. 23.

Palmer, Rufus N., Pittsburgh, Pa., assignor to American Pearl Button Co., Washington, Iowa. Tubular saw chuck. 2,454,522, Nov. 23.

Palmieri, Mario, Beverly Hills, Calif. Constructing concrete vessels. 2,454,403, Nov. 23.

Pan American Refining Corporation, assignee: *See*—
Kirkbridge, Chalmer G., and Hopkins.
Ridgway, John A., Jr., and Hill.

Paramount Industries, Inc., assignee: *See*—
Pollack, Israel.

Paraskevas, Louis, New Orleans, La. Retractable auxiliary landing gear for aircraft. 2,454,611, Nov. 23.

Parfentjev, Ivan A., Nyack, and A. J. Weil, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Production of toxins and toxoids. 2,454,755, Nov. 23.

Pawlishen, Edward: *See*—
Gordon, Clifford D., and Pawlishen.

Pawlishen, John, administrator: *See*—
Gordon, Clifford D., and Pawlishen.

Paxman, Edward P., Colchester, England. Construction of internal-combustion engines. 2,454,612, Nov. 23.

Paxton, John W., assignee: *See*—
Goff, Francis L.

Paxton, John W.: *See*—
Hurst, Edmund E., and Paxton.

Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Apparatus for bending work such as tubing into serpentine coils. 2,454,290, Nov. 23.

Peltier, Walter J., and A. J. Diroff, Monroe, assignors to Woodall Industries Incorporated, Detroit, Mich. Sun visor. 2,454,613, Nov. 23.

Penrose, William F., Summit, N. J., assignor to Empire Electric Brake Company. Brake control apparatus. 2,454,291, Nov. 23.

People in the Territory of the United States, dedicated to the free use of the, assignee: *See*—
Potts, Samuel F., and Spencer.

Peterson, Anton U., Chicago, and A. J. Meyer, River Forest, Ill., said Meyer assignor to said Peterson. Multiple toggle clamping means for vises and the like. 2,454,744, Nov. 23.

Peterson, Carl D., and A. H. Delmel, assignors to Dana Corporation, Toledo, Ohio. Control system for transmission mechanisms. 2,454,614, Nov. 23.

Peterson, William W., Mankato, Minn. Governor (speed responsive type). 2,454,563, Nov. 23.

Petitjean, Charles: *See*—
Wehrli, Walter, and Petitjean.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Pettingill.

Pettingill, Owen H.: *See*—
De Groote, Melvin, and Pettingill.

Pfann, Harry F., Greenwich, and J. K. Dixon, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of piperazine. 2,454,404, Nov. 23.

Pfeiffer, William H., Seattle, Wash. Hearse. 2,454,566, Nov. 23.

Philco Corporation, assignee: *See*—
Sunstein, David E.
Tiley, John W.

Philip, George, Detroit, Mich. Door casement and forming the same. 2,454,523, Nov. 23.

Phillips Petroleum Company, assignee: *See*—
Schulze, Walter A., and Crouch.

Pickett, Andrew B., United States Army. Revetment mat. 2,454,292, Nov. 23.

Pierson, Adrian A., Jr., Cooperstown, N. Y. Radio shielding sealing gasket. 2,454,567, Nov. 23.

Pityo, Albert F., Clifton, and H. E. Butterfield, Jr., Maplewood, N. J. Apparatus for welding. 2,454,338, Nov. 23.

Polaroid Corporation, assignee: *See*—
Land, Edwin H.

Pollack, Israel, Brooklyn, N. Y., assignor to Paramount Industries, Inc. Portable fluorescent lamp control system. 2,454,670, Nov. 23.

Pollack, Maxwell A., Denville, N. J., assignor to E. F. Drew & Co. Inc., New York, N. Y. Thioglycol esters. 2,454,568, Nov. 23.

Potts, Samuel F., Hamden, and R. A. Spencer, Stafford Springs, Conn., dedicated to the free use of the People in the Territory of the United States. Sprayer. 2,454,339, Nov. 23.

Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Lock nut and making same. 2,454,444, Nov. 23.

Powell, Clayborn F., Monroe, assignor to Branson Company, Charlotte, N. C. Yarn feed for twisting machines. 2,454,405, Nov. 23.

Power Jets (Research and Developments) Ltd., assignee: *See*—
Hawthorne, William R.

Price, Robert E.: *See*—
Kremers, Harry C., and Price.

Price, Vernon J., West Dearborn, Mich. Animal trap. 2,454,476, Nov. 23.

Quaker City Gear Works, Inc., assignee: *See*—
Berlinger, Bernard E.

Quinn, Gerald S., assignor to Sylvania Electric Products Inc., Salem, Mass. Method and means for protecting fluorescent coatings and the like. 2,454,745, Nov. 23

Radio Corporation of America, assignee: *See*—
Artzt, Maurice.
Brown, George W., and Goldberg.
Cole, Ben R.
Curtis, Lucien B.
Forgue, Stanley V.
Henry, Thomas J.
Iams, Harley, Rose, and Krieger.
Sanders, Royden C., Jr.
Synder, Richard L., Jr.
Tourshou, Simoen I.

Rainey, James L.: *See*—
Bock, Louis H., and Rainey.

Ramsbottom, John M., and L. S. Paddock, assignors to Swift & Company, Chicago, Ill. Treating animal tissue. 2,454,716, Nov. 23.

Ray, Don, Beverly Hills, Calif. Apparatus for compacting and packaging materials. 2,454,477, Nov. 23.

Razdowitz, Adolph: *See*—
Chneerson, Zalman and Razdowitz.

Rebman, Alfred, Richmond Hill, assignor to Rockwood & Co., Brooklyn, N. Y. Flexible multibladed rotor assembly for cylinder grinding machines. 2,454,406, Nov. 23.

Rector, Paul C., East Cleveland, Ohio, assignor to General Electric Company. Motor and fan unit mounting for vacuum cleaners. 2,454,569, Nov. 23.

Rector, Paul C., East Cleveland, Ohio, assignor to General Electric Company. Motor and fan unit mounting for vacuum cleaners. 2,454,570, Nov. 23.

Rehberg, Chessie E., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Polymerization of furfuryl acrylate. 2,454,756, Nov. 23.

Reichel, Wladimir A., Hackensack, N. J., assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y. Sealed transmitting mechanism. 2,454,340, Nov. 23.

Repka, Paul T., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Switch operating mechanism. 2,454,341, Nov. 23.

Reynolds Metals Co., assignee: *See*—
Fritzlen, Thomas L.

Reyrolle, A., & Company Limited, assignee: *See*—
Amer, Donald F.

Rice-Stix Dry Goods Company, assignee: *See*—
Worley, Richard H.

Ridgway, John A., Jr., Texas City, Tex., and P. Hill, Hammond, Ind., assignors to Pan American Refining Corporation, New York, N. Y. Catalytic cracking of hydrocarbons. 2,454,615, Nov. 23.

Rietachel, Henry F. C., Nassau County, N. Y. Timer switch for internal-combustion engines. 2,454,524, Nov. 23.

Roberts, Jean M., Ridgewood, assignor to Bendix Aviation Corporation, Bendix, N. J. Electric motor control. 2,454,671, Nov. 23.

Roberts, Melvin R., Los Angeles, Calif. Game. 2,454,478, Nov. 23.

Robertshaw-Fulton Controls Company, assignee: *See*—
Weber, Victor.

Robertson, John W., Englewood, N. J., assignor of one-half to Ellis-Foster Company, and one-half to Montclair Research Corporation. Modified alkyd sizing composition. 2,454,717, Nov. 23.

Rockwood & Co., assignee: *See*—
Rebman, Alfred.

Rogers, Thomas H., New Canaan, and W. W. Fengler, Glenbrook, assignors to Machlett Laboratories Incorporated, Springdale, Conn. X-ray apparatus. 2,454,525, Nov. 23.

Rohm & Haas Company, assignee: *See*—
Beavers, Ellington M.
Bock, Louis H., and Houk.
Bock, Louis H., and Rainey.

Rom, Palmer W., Cudahy, Wis. Culinary oven with heat diverting means. 2,454,571, Nov. 23.

Roovers, Wilhelmus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,454,572, Nov. 23.

Rose, Albert: *See*—
Iams, Harley, Rose, and Krieger.

Rosenberger, Clyde G., Fort Wayne, Ind. Rotating game pointer. 2,454,479, Nov. 23.

Rosene, Frank G., Pittsburgh, Pa. Nonskid device. 2,454,407, Nov. 23.

Rosenthal, Lawrence L., Los Angeles, and R. B. Spencer, Huntington Park, assignors to Technical Glass Company, Los Angeles, Calif. Door latch. 2,454,672, Nov. 23.

Ross, William H., Phoenix, Ariz. Door chime control switch. 2,454,342, Nov. 23.

Rossman, David, Long Beach, Calif. Air control device. 2,454,480, Nov. 23.

Roth, Alice, assignor to The Troy Sunshade Company, Troy, Ohio. Lounge chair. 2,454,408, Nov. 23.

Roth, Joseph N., Belding, assignor, by mesne assignments, to Montcalm, Incorporated, Greenville, Mich. Absorption refrigeration system. 2,454,344, Nov. 23.

Rotter, Lutwin C., Maplewood, A. P. Fox, University City, and C. H. Mueller, Ferguson, assignors to Lincoln Engineering Company, St. Louis, Mo. Pump for removal of lubricants from containers. 2,454,343, Nov. 23.

Rouse, Glenn F.: *See*—
Zahl, Harold A., Rouse, and Gorham.

Rüdenberg, Reinhold, Belmont, Mass. Cathode-ray deflection tube with electron lenses. 2,454,345, Nov. 23.

Rumsby, George M., Toronto, Ontario, Canada. Lifting mechanism for dump bodies. 2,454,481, Nov. 23.

Rush, John W.: *See*—
McClure, Glenn T., and Rush.

Russell Electric Company, assignee: *See*—
Ballentine, Earle W.

Russo, Giuseppe, New York, N. Y. Lipstick holder. 2,454,718, Nov. 23.

Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Disk plow. 2,454,482, Nov. 23.

Rysick, Walter J., Fort Wayne, Ind. Swivel connection or joint. 2,454,483, Nov. 23.

Sair, Louis: *See*—
Gunther, James K., and Sair.

Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Radio bomb release system. 2,454,673, Nov. 23.

Sandoz Limited, assignee: *See*—
Wehrli, Walter, and Petitjean.

Sauer, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compositions of matter and making same. 2,454,294, Nov. 23.

Savastano, Antonio, Mount Vernon, N. Y. Reading stand. 2,454,526, Nov. 23.

Scarlett, Edward J., Monument, Colo. Nail pouch. 2,454,346, Nov. 23.

Scher, Joseph, New York, N. Y. Folding box. 2,454,573, Nov. 23.

Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Maine. Staking machine. 2,454,347, Nov. 23.

Schilling, Lorell J., Galesville, Wis., assignor to Babson Bros. Co. Latch for electric fence gates. 2,454,348, Nov. 23.

Schneider, Beeason J.: *See*—
Adler, Leon, Johnson, and Schneider.

Schoenholz, Daniel: *See*—
Eisner, Robert S., and Schoenholz.

Schrader, Wendall H., Des Plaines, Ill. Receptacle and closure thereof. 2,454,674, Nov. 23.

Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Air delivery container. 2,454,616, Nov. 23.

Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacture of sulfur compounds. 2,454,409, Nov. 23.

Schwartz, William H.: *See*—
Lester, Nathan, and Schwartz.

Schwerdle, Arthur: *See*—
Sowa, Frank J., and Schwerdle.

Schwerdle, Arthur, assignor to F. J. Sowa, New York, N. Y. Treating aqueous liquors containing unsaturated organic compounds for recovering the same. 2,454,349, Nov. 23.

Scogland, Charles A., assignor to The Studebaker Corporation, South Bend, Ind. Making cored laminated plastic sheets. 2,454,719, Nov. 23.

Seiler, Charles J.: *See*—
Skow, Norman A., Seiler, Oriani, and Whitaker.

Selden, John C., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Crankshaft torsional vibration damper. 2,454,720, Nov. 23.

Severance, Charles L.: *See*—
Severance, Vernon and C. L.

Severance, Vernon, Saginaw, and C. L. Severance, Akron, Mich. Poultry feeder. 2,454,721, Nov. 23.

Shannon, Paul B., assignee: *See*—
Smith, Merton J.

Shell Development Company, assignee: *See*—
Tamele, Miroslav W., Irvine, and Mahar.

Shoemaker, David P., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Flow regulator. 2,454,574, Nov. 23.

Shores, William P., San Francisco, Calif. Beater. 2,454,350, Nov. 23.

Showalter, Galen R., Roanoke, Va. Disk harrow carrier. 2,454,675, Nov. 23.

Shure Brothers, Incorporated, assignee: *See*—
Bauer, Benjamin B.

Shutt, John C.: *See*—
Meyers, George L., and Shutt.

Siemers, Eric, assignor, by mesne assignments, to Lacey-Webber Co., Kalamazoo, Mich. Welding electrode holder. 2,454,617, Nov. 23.

Silene, Rudolph A., Los Angeles, Calif. Salesman's folding sample case. 2,454,575, Nov. 23.

Singer Manufacturing Company, The, assignee: *See*—
Momberg, James W.
Myers, Walter.

Skow, Norman A., Strafford, Pa., C. J. Seiler, Bloomfield, R. A. Oriani, Montclair, and J. S. Whitaker, East Orange, N. J., assignors to the United States of America as represented by the Secretary of War. Adhesive compositions. 2,454,676, Nov. 23.

Slack, William H., Houghton, Mich. Modeling tool. 2,454,576, Nov. 23.

Slamka, Joseph S., Milwaukee, Wis. License plate holder. 2,454,722, Nov. 23.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,454,484, Nov. 23.

Smalley, Burt M., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Secondary rack. 2,454,677, Nov. 23.

Smith, Desmond E., Toronto, Ontario, Canada. Kaleidoscope. 2,454,577, Nov. 23.

Smith, Kline & French Laboratories, assignee: *See*—
Ullyot, Glenn E.

Smith, Lester H., Maplewood, N. J. Electric space charge device. 2,454,757, Nov. 23.

Smith, Merton J., Cleveland, Ohio, assignor of twenty-five per cent to P. B. Shannon, Chicago, Ill., twenty-five per cent to J. P. Geiger, Cleveland, and twenty-five per cent to R. W. Wilson, Rocky River, Ohio. Controlling mechanism. 2,454,578, Nov. 23.

Smith, Walter F., and H. G. White, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Mixture of a polyvinyl acetal with a diisocyanate-modified polyester or polyester-amide. 2,454,678, Nov. 23.

Smyth, Glen M., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Gray acid anthraquinone dyestuffs. 2,454,679, Nov. 23.

Snell, Leonard S., Bedfont, Feltham, assignor to D. Napier & Son Limited, London, England. Control lever mechanism. 2,454,485, Nov. 23.

Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Cathode beam tube and circuit therefor. 2,454,410, Nov. 23.

Societe Anonyme: Forges & Ateliers De Meudon, assignee: *See*—
Challcarne, Gabriel.

Sonneborn, L., Sons, Inc., assignee: *See*—
Faust, Jacob.

Sowa, Frank J., assignee: *See*—
Schwerdle, Arthur.

Sowa, Frank J., Cranford, N. J., and A. Schwerdle, New York, N. Y., said Schwerdle assignor to said Sowa. Production of alicyclic carboxylic acids. 2,454,351, Nov. 23.

Specialties Development Corporation, assignee: *See*—
Lerner, William H.

Speer Resistor Corporation, assignee: *See*—
Herrick, George G., and Veley.

Spencer, Robert B.: *See*—
Rosenthal, Lawrence L., and Spencer.

Spencer, Roderick A.: *See*—
Potts, Samuel F., and Spencer.

Square D Company, assignee: *See*—
Zingaro, Placido W.

Stackpole, Gerald B.: *See*—
Jones, Albert S., and Stackpole.

Standard Oil Development Company, assignee: *See*—
Blanding, Forrest H.
Harlan, John L.
Harney, William S., Jr., and Amick.
Hodges, Caleb E., and Cashman.
Le Roi, Earl J.
Lieber, Eugene, and Cashman.
Love, Robert M.
McArdle, Edward H.
Mosesman, Max A.

Standard-Thomson Corporation, assignee: *See*—
Woods, John E.

Stanton, George W., and C. E. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Vulcanizable mixture of thermoplastic interpolymers. 2,454,486, Nov. 23.

Stauffer, Lynn H., Pattersonville, N. Y., assignor to General Electric Company. Carbon brush element. 2,454,579, Nov. 23.

Staunton, Le Roy W., Evanston, and R. L. Atkinson, Hinsdale, assignors to United Wallpaper, Inc., Chicago, Ill. Package for rolls and the like. 2,454,352, Nov. 23.

Steele, William E., Seattle, Wash. Detachable blade scalpel. 2,454,353, Nov. 23.

Stephens, Douglas S.: *See*—
Curtis, Cecil A., and Stephens.

Stephens, Marion F., Sullivan, Ind. Post-adjusting means for wire and mail directing apparatus. 2,454,680, Nov. 23.

Stewart-Warner Corporation, assignee: *See*—
Heymann, Seymour E.
Heymann, Seymour E., and Marshall, Jr.

Stiles, Richard H., Plainwell, Mich. Lubricator. 2,454,354, Nov. 23.

Stinne, Leslie W., Dallas, Tex. Clothespin. 2,454,723, Nov. 23.

Stoate, Norman P., Hampstead Garden Suburb, London, assignor to United Dairies Limited, London, England. Inspection apparatus for transparent vessels. 2,454,411, Nov. 23.

Stoate, Norman P., Hampstead Garden Suburb, London, assignor to United Dairies Limited, London, England. Inspection apparatus for transparent vessels. 2,454,412, Nov. 23.

Stocker, Emil: *See*—
Babey, Charles, Tommen, and Stocker.

Stone, John M., assignor to Operadio Manufacturing Co., St. Charles, Ill. Protective circuits for electronic equipment. 2,454,618, Nov. 23.

Storck, Clarence E., Jr., Lutherville, Md. Battery connector and fuse. 2,454,487, Nov. 23.

Storey, O. W., & Associates: *See*—
Ashton, Howard W.

Storey, Oliver W., assignee: *See*—
Ashton, Howard W.

Studebaker Corporation, The, assignee: *See*—
Scogland, Charles A.

Sukumlyn, Thomas W., Los Angeles, Calif. Light modulation by variable transmissivity receiver screen. 2,454,488, Nov. 23.

Sullivan, Jerry J., Huntington Park, Calif. Spanner wrench with means to grip the inner surface of pulley rims. 2,454,489, Nov. 23.

Sulzer Freres, Societe Anonyme, assignee: *See*—
Traupel, Walter.

Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Electric motor control system. 2,454,355, Nov. 23.

Super, Ralph K.: *See*—
Buckendale, Lawrence R., and Super.

Sutter, Theodor: *See*—
Widmer, Gustav, Sutter, Fisch, and Hochuli.

Swenson, Jonas A., Springfield, S. Dak. Window sash control. 2,454,619, Nov. 23.

Swift & Company, assignee: *See*—
Ramsbottom, John M., and Paddock.

Sylvania Electric Products Inc., assignee: *See*—
McCarthy, Henry J.
Quinn, Gerald S.

Tackett, James R., and V. G. Evans, Olive Hill, Ky. Machine tool shaper attachment. 2,454,490, Nov. 23.

Tallman, Emma S., assignee: *See*—
Tallman, Leslie R.

Tallman, G. I., assignee: *See*—
Tallman, Leslie R.

Tallman, J. L., assignee: *See*—
Tallman, Leslie R.

Tallman, Leslie R., assignor of forty-five per cent to G. L. Tallman, twelve and one-half per cent to J. L. Tallman, and twelve and one-half per cent to Emma S. Tallman, Shelbyville, Ill. Baler. 2,454,413, Nov. 23.

Tamele, Miroslav W., Oakland, V. C. Irvine, Richmond, and J. F. Mahar, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Molybdena catalysts, their preparation and use. 2,454,724, Nov. 23.

Taschereau, Marc A., Port Alice, British Columbia, Canada. Combined compact and flashlight. 2,454,527, Nov. 23.

Taylor, La Moll S., Kansas City, Kans. Doorstop and retainer. 2,454,414, Nov. 23.

Technical Glass Company, assignee: *See*—
Netschert, Franz.
Rosenthal, Lawrence L., and Spencer.

Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Cable cutter. 2,454,528, Nov. 23.

Temple Velocity Equipment, Inc., assignee: *See*—
Temple, Robert.

Thielemann, Rudolf H., Schenectady, N. Y., assignor to General Electric Company. Manufacturing bladed rotors. 2,454,580, Nov. 23.

Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,454,581, Nov. 23.

Thomas, Joseph E., Los Angeles, Calif. Can piercer. 2,454,725, Nov. 23.

Thompson, Lloyd, Kansas City, Mo. Reproducing sound motion pictures in synchronism with the picture and sound on separate media. 2,454,491, Nov. 23.

Thompson, Louis W., Schenectady, and F. E. Crever, Scotia, N. Y., assignors to General Electric Company. Excitation system for alternating current dynamoelectric machines. 2,454,582, Nov. 23.

Thompson, Richard A., and E. E. Eriksson, Detroit, and J. Carlson, Grosse Pointe Farms; said Eriksson and said Thompson assignors to Orchard Industries, Inc., Detroit, Mich.; said J. Carlson assignor, by decree of court, to M. E. H. W. Carlson. Rear grip for fishing rod handles. 2,454,529, Nov. 23.

Thornhill, Homer E., Houston, Tex. Ring sealed joint. 2,454,356, Nov. 23.

Tiley, John W., Philadelphia, Pa., assignor to Philco Corporation. Phase adjuster for fixed-branch wave guide. 2,454,530, Nov. 23.

Timken-Detroit Axle Company, The, assignee: *See*—
Buckendale, Lawrence R., and Super.

Tolan, James E., Narberth, Pa., assignor to Warren Webster & Company, Camden, N. J. Finned radiator construction. 2,454,357, Nov. 23.

Tommen, Willi: *See*—
Babey, Charles, Tommen, and Stocker.

Tourshou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Automatic gain control circuit. 2,454,415, Nov. 23.

Tott, Edwin H., San Leandro, Calif. Supporting head for abrasive disks. 2,454,726, Nov. 23.

Trail-A-Boat Company, assignee: *See*—
Eichner, Ferdinand R.

Traupel, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Output regulation of circuit type gas-turbine plants. 2,454,358, Nov. 23.

Troy Sunshade Company, The, assignee: *See*—
Roth, Alice.

Tung-Sol Works, Inc., assignee: *See*—
Braunsdorff, Reginald K.

Turnbull, William J., West Vancouver, British Columbia, Canada. Curling stone. 2,454,492, Nov. 23.

Turner Tanning Machinery Company, The, assignee: *See*—
Schettler, Gustav A.

Ullyot, Glenn E., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Cyclohexylalkylamines. 2,454,746, Nov. 23.

Union Switch & Signal Company, The, assignee: *See*—
Baughman, George W.
Jefferson, Glen V.
O'Meara, Thomas J.

Union Wire Rope Corporation, assignee: *See*—
Zerr, Charles M.

United Aircraft Corporation, assignee: *See*—
Highberg, Axel L.
Lee, John G.
Selden, John C.

United Air Lines, Inc., assignee: *See*—
Buckthal, Elmer P.

United Dairies Limited, assignee: *See*—
Stoate, Norman P.

United Metal Box Co., Inc., assignee: *See*—
Hammer, Samuel.

United Shoe Machinery Corporation, assignee: *See*—
Blanchard, Benjamin B.
Fredericksen, James P.

United States Radium Corporation, assignee: *See*—
Byler, William H., and Carroll.

United States Rubber Company, assignee: *See*—
Howland, Louis H., and Brucksch.

United Wallpaper, Inc., assignee: *See*—
Staunton, Le Roy W., and Atkinson.

Universal Oil Products Company, assignee: *See*—
Held, Jacob B.

Upjohn Company, The, assignee: *See*—
Weisblatt, David I., and Myers.
Weisblatt, David I., Myers, and Wise.
Wise, Edwin C.

Upstill, Verla E., Minneapolis, Minn. Crochet frame. 2,454,493, Nov. 23.

Utility Appliance Corp., assignee: *See*—
Leo, Herbert S., and Breslow.

Van Brunt, John Deere, Company, assignee: *See*—
Hyland, William A.

Van Orden, Leo J.: *See*—
Dickinson, John T., Morfit, and Van Orden.

Van Sittert, Paul, Shaker Heights, M. Kostrubanic, Jr., Cleveland, and E. W. Lehman, East Cleveland, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,454,416, Nov. 23.

Van Trine, Leona T., assignee: *See*—
Van Trine, Ralph.

Van Trine, Ralph, assignor of thirty per cent to L. T. Van Trine and thirty per cent to M. V. Davis, Durham, N. C. Bottle cap remover. 2,454,531, Nov. 23.

Veley, Hugh N.: *See*—
Herrick, George G., and Veley.

Verkuil, Leo L., Tottenville, N. Y., assignor to Edwards & Company, Inc., Norwalk, Conn. Push-button switch construction. 2,454,295, Nov. 23.

Vickers, Theodore W., Los Angeles, Calif. Electrical machine. 2,454,359, Nov. 23.

Vigilante, John: *See*—
Deutsch, Joseph J., and Vigilante.

Vischer, Alfred, Jr., Park Ridge, Ill., assignor, by mesne assignments, of twelve-thirtieths to A. Vischer, Jr., two-thirtieths to W. Vischer, two-thirtieths to A. Vischer, III, two-thirtieths to A. Vischer, Jr., as trustee, four-thirtieths to W. W. Zitzewitz, four-thirtieths to E. K. Zitzewitz, one-thirtieth to G. J. Zitzewitz, one-thirtieth to B. O. Zitzewitz, and two-thirtieths to G. W. Bouton. Flexible cover forming machine. 2,454,758, Nov. 23.

Vischer, Alfred, III, assignee: *See*—
Vischer, Alfred, Jr.

Vischer, William, assignee: *See*—
Vischer, Alfred, Jr.

Wallin, Fred E., assignor to National Slug Rejectors, Inc., St. Louis, Mo. Clamping apparatus. 2,454,681, Nov. 23.

Wallingford, Vernon H., Ferguson, and A. H. Homeyer, Webster Groves, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Carbalkoxylation of organic compounds. 2,454,360, Nov. 23.

Walter, Henry E., assignor to Wood Conversion Company, Cloquet, Minn. Defibering lignocellulose while subjected to steam and a digestive chemical. 2,454,532, Nov. 23.

Walter, Henry E., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of fibrous products deriving from lignocellulose. 2,454,533, Nov. 23.

Walter, Henry E., assignor to Wood Conversion Company, Cloquet, Minn. Defibering lignocellulose while subjected to steam and alkali-metal hydroxide. 2,454,534, Nov. 23.

War, United States of America as represented by the Secretary of, assignee: *See*—
Davis, George B., Jr.
Michaelson, Marion L.
Skow, Norman A., Seiler, Oriani, and Whitaker.

Warner, Mary W., Fairfield, Conn. Breast shield. 2,454,535, Nov. 23.

Warren Webster & Company, assignee: *See*—
Tolan, James E.

Waselge, Charles R., Saint-Etienne, (Loire), France; vested in the Attorney General of the United States. Multidrive gear box for accessories on board aircraft. 2,454,293, Nov. 23.

Watson, Leland A., and P. C. Heljn, assignors to The Maico Company, Incorporated, Minneapolis, Minn. Bone conduction receiver. 2,454,494, Nov. 23.

Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Temperature controlling device. 2,454,682, Nov. 23.

Wedemeyer, Eric, Floral Park, assignor to Hamilton Art Metal Corporation, New York, N. Y. Music box. 2,454,361, Nov. 23.

Wehrli, Walter, and C. Petitjean, assignors to Sandos Limited, Basel, Switzerland. Metallizable polyazo dyestuffs. 2,454,683, Nov. 23.

Weil, Alfred J.: *See*—
Parfentjev, Ivan A., and Weil.

Weisblatt, David I., D. R. Myers, and E. C. Wise, assignors to The Upjohn Company, Kalamazoo, Mich. Mixed alkyl esters of ascorbic acid. 2,454,747, Nov. 23.

Weisblatt David I., and D. R. Myers, assignors to The Upjohn Company, Kalamazoo, Mich. Ascorbic acid tetraester preparation. 2,454,748, Nov. 23.

Werner, Daniel R., Omaha, Nebr., assignor to American Telephone and Telegraph Company. Control apparatus for forced drainage. 2,454,536, Nov. 23.

Western Electric Company, Incorporated, assignee: *See*—
Merwin, Harry H., and Nystrom.

Westinghouse Air Brake Company, assignee: *See*—
Hewitt, Ellis E., and Larson.
McClure, Glenn T., and Rush.

Westinghouse Electric Corporation, assignee: *See*—
Furst, Albert J., Aakjer, and Dickerson.
Gordon, Clifford D., and Pawlishen.
Hayes, William A.
Iredell, Charles V., and Enrico.
Makenny, William.
McNall, John W., and Laidig.
Okress, Ernest C.
Whitmore, James B., Makenny, and Newcombe.

Wherry, Isaac M., Evansville, Ind., assignor to International Harvester Company. Refrigerating apparatus. 2,454,727, Nov. 23.

Whitaker, Joseph S.: *See*—
Skow, Norman A., Seiler, Oriani, and Whitaker.

White, Clarence A.: *See*—
Haws, James C., and White.

White, Henry G.: *See*—
Smith, Walter F., and White.

White, John L., Dallas, Tex. Cutting tool. 2,454,728, Nov. 23.

Whitehall Publishing Company, assignee: *See*—
Nudelman, Eoina.

Whitmore, James B., Bloomfield, W. Makenny, Mountain View, and F. A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic molding press. 2,454,362, Nov. 23.

Widmer, Gustav, and T. Sutter, Basel, W. Fisch, Binningen, and E. Hochuli, Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del. Aldehyde condensation products of aminotriazines and the manufacture thereof. 2,454,495, Nov. 23.

Wilde, Robert L., Englewood, Colo. Vibrator for use in connection with concrete. 2,454,620, Nov. 23.

Wilson, Robert W., assignee: *See*—
Smith, Merton J.

Wineman, Wade A., Michigan City, Ind., assignor to Joy Manufacturing Company. Compressor control mechanism. 2,454,363, Nov. 23.

Winther, Martin P., assignor to M. P. Winther, Waukegan, Ill., as trustee. Eddy-current torque apparatus. 2,454,364, Nov. 23.

Winthrop-Atkins Co., Inc., assignee: *See*—
Nichols, Gordon E.

Wise, Edwin C.: *See*—
Weisblatt, David I., Myers, and Wise.

Wise, Edwin C., assignor to The Upjohn Company, Kalamazoo, Mich. Lower alkyl esters of ascorbic acid. 2,454,749, Nov. 23.

Wisely, Robert, Chicago, Ill. Grating structure. 2,454,583, Nov. 23.

Wood Conversion Company, assignee: *See*—
Walter, Henry E.

Woodall Industries Incorporated, assignee: *See*—
Peltier, Walter J., and Diroff.

Woods, Edgar C., Gravesend, assignor to Henley's Tyre & Rubber Company, Darking, England. Tire for vehicles. 2,454,750, Nov. 23.

Woods, John E., Cohasset, assignor, by mesne assignments, to Standard-Thomson Corporation, Boston, Mass. Self-propelled circulating heater. 2,454,296, Nov. 23.

Woolery, Horace E., deceased, by M. L. Woolery, executrix, St. Paul, assignor to Woolery Machine Company, Minneapolis, Minn. Weed burning apparatus. 2,454,365, Nov. 23.

Woolery Machine Company, assignee: *See*—
Woolery, Horace E.

Woolery, Myra L., executrix: *See*—
Woolery, Horace E.

Worley, Richard H., assignor to Rice-Stix Dry Goods Company, St. Louis, Mo. Suitcase valance structure. 2,454,366, Nov. 23.

Worth, Weldon, Dayton, Ohio. By-passing valve for oil temperature control units. 2,454,297, Nov. 23.

Yanes, Francisco G., New York, N. Y.; A. F. Goddard, executrix of said F. G. Yanes, deceased. Molding halftone values in printing surfaces. 2,454,729, Nov. 23.

Yoder Company, The, assignee: *See*—
Morris, Howard I.

Youngstown Steel Door Company, The, assignee: *See*—
Beauchamp, Wilfred A.

Zahl, Harold A., and G. F. Rouse, Long Branch, and J. E. Gorham, Spring Lake, N. J. Electronic tube. 2,454,298, Nov. 23.

Zerr, Charles M., Independence, assignor to Union Wire Rope Corporation, Kansas City, Mo. Sling. 2,454,417, Nov. 23.

Zimmermann, Lukas, Birmingham, Mich. Hydraulic flow divider. 2,454,418, Nov. 23.

Zingaro, Placido W., Hartsdale, N. Y., assignor to Square D Company, Detroit, Mich. Hygrometer. 2,454,584, Nov. 23.

Zitzewitz, Barbara O., assignee: *See*—
Vischer, Alfred, Jr.

Zitzewitz, Elmer K., assignee: *See*—
Vischer, Alfred, Jr.

Zitzewitz, Gertrude J., assignee: *See*—
Vischer, Alfred, Jr.

Zitzewitz, Walter W., assignee: *See*—
Vischer, Alfred, Jr.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF NOVEMBER, 1948

NOTE.- Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Antenna, Broadcast. P. S. Carter. Re. 23,051, Nov. 23.
Glass, Opthalmic. W. H. Armistead. Re. 23,049, Nov. 23.
Radio beacon. R. R. Brunner. Re. 23,050, Nov. 23.

LIST OF DESIGN INVENTIONS

Bottle. J. von Miklos. 151,862, Nov. 23.
Bottle, Wine. H. C. Berkowitz. 151,807, Nov. 23.
Bracelet or similar article. A. Katz. 151,840, Nov. 23.
Bracelet or similar article. A. Katz. 151,843, Nov. 23.
Bracelet or similar article. A. Katz. 151,849–51, Nov. 23.
Brooch or similar article. C. Arpels. 151,805, Nov. 23.
Brooch or similar article. A. Katz. 151,824–9, Nov. 23.
Brooch or similar article. A. Katz. 151,831–4, Nov. 23.
Cabinet for radio-phonograph combination. W. Schier and D. L. Doggett. 151,859, Nov. 23.
Chicken fryer. E. O. Mehline. 151,854, Nov. 23.
Coat. H. Goldberg. 151,818–20, Nov. 23.
Cooky jar. R. J. Falk. 151,810, Nov. 23.
Door panel or similar article, Adjustable screen. A. A. Klingbiel. 151,852, Nov. 23.
Earring or similar article. M. Boucher. 151,808, Nov. 23.
Fixture, Adjustable fluorescent lighting. C. Nitardy. 151,855, Nov. 23.
Hammer head. W. L. Ludwick. 151,853, Nov. 23.
Handbag and compact, Combined. F. H. Rath. 151,858, Nov. 23.
Ice bucket. M. S. Ziskin. 151,863, Nov. 23.
Jacket. J. Freedman. 151,813–14, Nov. 23.
Juice. O. E. Hammers. 151,822, Nov. 23.
Juicer collector, Sanitary. O. E. Hammers. 151,823, Nov. 23.
Lamp. A. Troskin. 151,861, Nov. 23.
Lamp or similar article. L. J. Gagnon. 151,815, Nov. 23.
Lamp, Planter. R. E. Gifford. 151,817, Nov. 23.
Necklace or similar article. A. Katz. 151,830, Nov. 23.
Necklace or similar article. A. Katz. 151,835–9, Nov. 23.
Necklace or similar article. A. Katz. 151,841–2, Nov. 23.
Necklace or similar article. A. Katz. 151,844–8, Nov. 23.
Ornament, Christmas. T. L. Gehr. 151,816, Nov. 23.
Shuffleboard cue head. C. E. Gunklach. 151,821, Nov. 23.
Slicer, Vegetable. A. W. Norman. 151,856, Nov. 23.
Staple removing tool, Wire. W. G. Pankonin. 151,857, Nov. 23.
Suit. J. Freedman. 151,811–12, Nov. 23.
Telephone stand and pad holder, Combined. S. J. Beitch and S. Fine. 151,806, Nov. 23.
Telephone transmitter. H. Dreyfuss. 151,809, Nov. 23.
Wrench, Momentum. R. L. Stoyer. 151,860, Nov. 23.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetone, ethanol, and butanol, from aqueous solutions thereof, Distillation of. H. N. Darlington and H. Holdsworth. 2,454,734, Nov. 23.
Acid treatment of pyrene-quinone vat dyestuffs. J. F. Cullinan and L. D. Lytle. 2,454,433, Nov. 23.
Acrylonitrile, Production of. H. S. Davis and H. A. Newey. 2,454,308, Nov. 23.
Adhesive compositions. N. A. Skow, C. J. Seiler, R. A. Oriani, and J. S. Whitaker. 8,454,676, Nov. 23.
Adjustable multiple plate holder. F. R. Laureyns. 2,454,516, Nov. 23.
Adjuster for fixed-branch wave guide, Phase. J. W. Tiley. 2,454,530, Nov. 23.
Air control device. D. Rossman. 2,454,480, Nov. 23.
Air cooling apparatus. D. L. Kaufman. 2,454,654, Nov. 23.
Air delivery container. A. B. Schultz. 2,454,616, Nov. 23.
Aldehyde condensation products of aminotriazines and the manufacture thereof. G. Widmer, T. Sutter, W. Fisch, and E. Hochuli. 2,454,495, Nov. 23.
Alginate impression material containing chromic sulfate, E. J. Molnar. 2,454,709, Nov. 23.
Alicyclic carboxylic acids, Production of. F. J. Sowa and A. Schwerdle. 2,454,351, Nov. 23.
Alkaline earth metal petroleum sulfonate compositions. J. Faust. 2,454,736, Nov. 23.
Alkyd sizing composition, Modified. J. W. Robertson. 2,454,717, Nov. 23.
Alkyl chlorides, Production of. E. G. Galitzenstein and C. Woolf. 2,454,645, Nov. 23.
Alkyl esters of ascorbic acid, Lower. E. C. Wise. 2,454,749, Nov. 23.
Alkyl esters of ascorbic acid, Mixed. D. I. Weisblatt, D. R. Myers, and E. C. Wise. 2,454,747, Nov. 23.
Aluminum alloy sheets, High-strength corrosion-resistant. T. L. Fritzlen. 2,454,312, Nov. 23.
Anchorage with ball contact switch, Attachment cord. S. P. Morse. 2,454,667, Nov. 23.
Animal tissue, Treating. J. M. Ramsbottom and L. S. Paddock. 2,454,716, Nov. 23.
Animal trap. V. J. Price. 2,454,476, Nov. 23.
Antibodies, Production of. A. F. Coca. 2,454,752, Nov. 23.
Apparatus for bending work such as tubing into serpentine coils. A. W. Payne. 2,454,290, Nov. 23.
Apparatus for compacting and packaging materials. D. Ray. 2,454,477, Nov. 23.
Apparatus for coordinating the operating rate of forming thread with the drawing thereof. A. H. Burkholder. 2,454,731, Nov. 23.
Apparatus for heating ceramics. J. M. Middleton. 2,454,708, Nov. 23.
Apparatus for loading freight or the like. S. M. Nampa. 2,454,473, Nov. 23.
Apparatus for treating wells. P. J. Lehnhard, Jr. 2,454,740, Nov. 23.
Apparatus for vulcanizing flexible tubes. H. I. Morris. 2,454,666, Nov. 23.
Apparatus for welding. A. F. Pityo and H. E. Butterfield, Jr. 2,454,338, Nov. 23.
Aromatic nitro compounds for amines, Preparing. E. H. McArdle. 2,454,468, Nov. 23.
Ascorbic acid tetraester preparation. D. I. Weisblatt and D. R. Myers. 2,454,748, Nov. 23.
Ash receiver. C. Hendricks. 2,454,450, Nov. 23.
Automatic gain control circuit. S. I. Tourshou. 2,454,415, Nov. 23.
Automatic molding press. J. B. Whitmore, W. Makenny, and F. A. Newcombe. 2,454,362, Nov. 23.
Axle for vehicles, Drive. F. W. Avila. 2,454,685, Nov. 23.
Baby dining-play table. W. M. Dunson. 2,454,599, Nov. 23.
Baby's safety sheet. E. M. and E. L. Kromer. 2,454,463, Nov. 23.
Baler. L. R. Tallman. 2,454,413, Nov. 23.
Base and contact for electrical devices. W. Makenny. 2,454,326, Nov. 23.
Base for holding vernier calipers. F. Malsom. 2,454,327, Nov. 23.
Beater. W. P. Shores. 2,454,350, Nov. 23.
Blade scalpel, Detachable. W. E. Steele. 2,454,353, Nov. 23.
Board: *See*—
  Card shuffling and placement board.
Bolt holding tool. E. W. Davis. 2,454,309, Nov. 23.
Bottle cap remover. R. Van Trine. 2,454,531, Nov. 23.
Box: *See*—
  Folding box.
  Music box.
  Venetian blind head box.
Bracket: *See*—
  Shade roller bracket.
  Takedown type swing-out-of-the-way wall bracket.
Brush. R. S. Eisner and D. Schoenholz. 2,454,553, Nov. 23.
Brush mechanism, Current collector. E. A. Linke. 2,454,562, Nov. 23.
Bulb, Basing electric. R. K. Braunsdorff. 2,454,270, Nov. 23.
Butter cutter. E. A. Anderson. 2,454,421, Nov. 23.
Button stem for electron discharge devices. T. J. Henry. 2,454,384, Nov. 23.
Cable cutter. R. Temple. 2,454,528, Nov. 23.
Cable eye and splicing the same. J. Budzinski. 2,454,592, Nov. 23.
Can piercer. J. E. Thomas. 2,454,725, Nov. 23.
Cap and plug, Combination. H. P. Henderson and P. Kaplan. 2,454,555, Nov. 23.
Car-rail stop. J. L. Bowen, Sr. 2,454,500, Nov. 23.
Carbalkoxylation of organic compounds. V. H. Wallingford and A. H. Homeyer. 2,454,360, Nov. 23.
Carbon brush element. L. H. Stauffer. 2,454,579, Nov. 23.
Card shuffling and placement board. M. A. Ellingson. 2,454,691, Nov. 23.
Case: *See*—
  Salesman's folding sample case.
  Telescoping cigarette case.
Catalysts with cooling of the flue gases by water injection, Regeneration of fluid. E. J. Le Rol. 2,454,466, Nov. 23.
Catch for watch bracelets, Box. C. F. H. Fontaine. 2,454,439, Nov. 23.
Cathode-ray storage tube. H. Iams, A. Rose, and G. L. Krieger. 2,454,652, Nov. 23.
Cellulose ether composition. R. F. B. Cox. 2,454,273, Nov. 23.
Cement block machine. K. W. Gibbs and R. Hillman. 2,454,442, Nov. 23.
Centrifugal pump. O. Jacobsen. 2,454,390, Nov. 23.
Chair: *See*—
  Composite chair.
  Lounge chair.
Chess or checker board with game piece retaining means, Portable. R. W. Edwards. 2,454,639, Nov. 23.
Chuck, Pneumatic. G. Chalicarne. 2,454,593, Nov. 23.
Chuck, Tubular saw. R. N. Palmer. 2,454,522, Nov. 23.
Circuit: *See*—
  Automatic gain control circuit.
  Electromagnetic circuit.
Circuit breaker, Gas-blast electric. D. F. Amer. 2,454,586, Nov. 23.
Circuit controller. G. V. Jefferson. 2,454,702, Nov. 23.
Circuits for electronic equipment, Protective. J. M. Stone. 2,454,618, Nov. 23.
Clamping apparatus. F. E. Wallin. 2,454,681, Nov. 23.
Clamping means for vises and the like, Multiple toggle. A. U. Peterson and A. J. Meyer. 2,454,744, Nov. 23.
Cleaner: *See*—
  Portable self-contained drum cleaner.
  Vacuum cleaner.
Clothespin. L. W. Stinne. 2,454,723, Nov. 23.
Coffee concentrate, Forming a. W. A. Heyman. 2,454,510, Nov. 23.
Comb. M. L. Finman. 2,454,642, Nov. 23.
Combination step-by-step and induction motor. J. T. McNaney. 2,454,519, Nov. 23.
Compact and flashlight, Combined. M. A. Taschereau. 2,454,527, Nov. 23.
Compass, Drafting. B. R. Cameron. 2,454,305, Nov. 23.
Composite chair. F. Hirsch. 2,454,699, Nov. 23.
Composition of half-ester of styrenemaleic anhydride copolymer and a solvent. J. S. Kirk. 2,454,284, Nov. 23.
Composition of rubber-like qualities. A. C. Fischer. 2,454,506, Nov. 23.
Compositions of matter and making same. J. C. Sauer. 2,454,294, Nov. 23.
Compressor. W. V. Fischer. 2,454,600, Nov. 23.
Concrete vessels, Constructing. M. Palmieri. 2,454,403, Nov. 23.
Conductor and fabricating the same, Insulated electrical. L. A. Bondon. 2,454,625, Nov. 23.
Connection or joint, Swivel. W. J. Rysick. 2,454,483, Nov. 23.
Connector and fuse, Battery. C. E. Storck, Jr. 2,454,487, Nov. 23.

Construction of internal-combustion engines. E. P. Paxman. 2,454,612, Nov. 23.
Contact printer and enlarger, Combination. P. S. Atkinson. 2,454,422, Nov. 23.
Container: *See*—
Air delivery container.
Container feeder. F. W. Krueger. 2,454,285, Nov. 23.
Control apparatus. A. E. Baak. 2,454,588, Nov. 23.
Control apparatus. E. E. Hewitt and A. G. Larson. 2,454,509, Nov. 23.
Control apparatus, Brake. W. F. Penrose. 2,454,291, Nov. 23.
Control apparatus for forced drainage. D. R. Werner. 2,454,536, Nov. 23.
Control for engine cooling blowers. J. G. Lee. 2,454,324, Nov. 23.
Control lever mechanism. L. S. Snell. 2,454,485, Nov. 23.
Control mechanism, Compressor. W. A. Wineman. 2,454,363, Nov. 23.
Control mechanism for model airplanes, Stabilizing. I. H. Doyle. 2,454,598, Nov. 23.
Control system, Compressor. A. E. Baak. 2,454,424, Nov. 23.
Control system for transmission mechanisms. C. D. Peterson and A. H. Delmel. 2,454,614, Nov. 23.
Control valve device. G. T. McClure and J. W. Rush. 2,454,469, Nov. 23.
Controlling mechanism. M. J. Smith. 2,454,578, Nov. 23.
Converter, Fluid-cooled current. H. Mees. 2,454,665, Nov. 23.
Converter for ignition systems. J. T. Osterman. 2,454,714, Nov. 23.
Cooling produce by alternate dipping and draining, Method and apparatus for. F. J. McMichael. 2,454,704–6, Nov. 23.
Copolymer of a conjugated hydrocarbon diene and an acrylate of a cyclopentadienyl alcohol. D. T. Mowry and A. B. Craig. 2,454,743, Nov. 23.
Copolymers of hydrocarbon dienes and acrylates of alpha-hydroxy-methylethano-9,10-dihydroanthracene. E. W. Gluesenkamp and A. B. Craig. 2,454,737, Nov. 23.
Corsets, Ventilated. J. J. Kispert. 2,454,606, Nov. 23.
Coupler attachment. F. H. Kayler. 2,454,514, Nov. 23.
Coupling: *See*—
No-twist self-locking coupling.
Coupling device, Friction. L. R. Buckendale, R. K. Super. 2,454,271, Nov. 23.
Coupling for trailers, Fifth wheel. J. Borzell. 2,454,626, Nov. 23.
Cover and means for locking the same, Hatch. W. A. Beauchamp. 2,454,688, Nov. 23.
Cover forming machine, Flexible. A. Vischer, Jr. 2,454,758, Nov. 23.
Cover turning device, Platform. I. Galper. 2,454,441, Nov. 23.
Cracking of hydrocarbons, Catalytic. J. A. Ridgway, Jr., and P. Hill. 2,454,615, Nov. 23.
Crankshaft torsional vibration damper. J. C. Selden. 2,454,720, Nov. 23.
Crochet frame. V. E. Upstill. 2,454,493, Nov. 23.
Crude oil, Desalting. C. G. Kirkbride and M. C. Hopkins. 2,454,605, Nov. 23.
Crystal apparatus, Piezoelectric. W. P. Mason. 2,454,328, Nov. 23.
Curl forming device, Tight. B. Kleinsmith. 2,454,558, Nov. 23.
Curling stone. W. J. Turnbull. 2,454,492, Nov. 23.
Curtain or panel and hanger structure therefor. C. G. Cunningham. 2,454,434, Nov. 23.
Cutter: *See*—
Butter cutter. Dough cutter.
Cable cutter.
Cutting of stainless steel, Combustion. G. E. Linnert. 2,454,325, Nov. 23.
Cutting tool. J. L. White. 2,454,728, Nov. 23.
Cyclohexylalkylamines. G. E. Ullyot. 2,454,746, Nov. 23.
Defibering lignocellulose while subjected to steam and a digestive chemical. H. E. Walter. 2,454,532, Nov. 23.
Defibering lignocellulose while subjected to steam and alkali-metal hydroxide. H. E. Walter. 2,454,534, Nov. 23.
Dentures, Making. C. Joannides. 2,454,457, Nov. 23.
Device for mixing fertilizer with soil and screening. J. Marsh. 2,454,662, Nov. 23.
Device for preventing excessive condensation in the insulating space of refrigerators. J. S. Palmer. 2,454,715, Nov. 23.
Device for preventing overtravel of operating mechanisms. A. C. Davis. 2,454,636, Nov. 23.
Device for removing extruded pinster from exterior surfaces of dental flasks. D. E. Belk. 2,454,427, Nov. 23.
Device for working thermoplastic materials. V. C. Ehnborn. 2,454,437, Nov. 23.
Discharge device, Ultra high frequency electric. J. W. Lafferty. 2,454,560, Nov. 23.
Discharge devices, Fabricating electron. W. A. Hayes. 2,454,318, Nov. 23.
Disk handling apparatus. F. G. Hirst. 2,454,556, Nov. 23.
Disk harrow carrier. G. R. Showalter. 2,454,675, Nov. 23.
Dispenser: *See*—
Drink dispenser.
Divider, Hydraulic flow. L. Zimmermann. 2,454,418, Nov. 23.
Door casement and forming the same. G. Philip. 2,454,523, Nov. 23.
Door chime control switch. W. H. Ross. 2,454,342, Nov. 23.
Door holder. E. L. Evans. 2,454,505, Nov. 23.
Door hook. T. O. Dean. 2,454,690, Nov. 23.
Door latch. F. Netschert. 2,454,754, Nov. 23.
Door latch. L. L. Rosenthal and R. B. Spencer. 2,454,672, Nov. 23.
Doorstop and retainer. L. S. Taylor. 2,454,414, Nov. 23.
Dough cutter. E. Haecks. 2,454,316, Nov. 23.
Drafting attachment, Perspective. F. L. Goff. 2,454,380, Nov. 23.
Drafting equipment. E. E. Hurst and J. W. Paxton. 2,454,388, Nov. 23.
Drain stopper, Electric. J. M. Moon. 2,454,333, Nov. 23.
Drill and drill jig bushing carrier attachment. H. R. Billeter. 2,454,372, Nov. 23.
Drink dispenser. W. F. Cramer, Jr. 2,454,505, Nov. 23.
Duplicating inks. M. J. Holik. 2,454,700, Nov. 23.
Dustpan, Hygienic. E. Cortés. 2,454,430, Nov. 23.
Dyestuffs, Gray acid anthraquinone. G. M. Smyth. 2,454,679, Nov. 23.
Dynamoelectric machine. C. A. Thomas. 2,454,581, Nov. 23.
Easel back. G. E. Nichols. 2,454,521, Nov. 23.
Educational device. H. R. Cohn. 2,454,632, Nov. 23.
Educational device. A. F. Kirschbaum. 2,454,655, Nov. 23.
Electric discharge tube. W. A. Reovers. 2,454,572, Nov. 23.
Electric range switch. F. P. Gates. 2,454,646, Nov. 23.
Electric switch. G. B. Benander. 2,454,540, Nov. 23.
Electrical apparatus. H. W. Ashton. 2,454,497, Nov. 23.
Electrical machine. T. W. Vickers. 2,454,359, Nov. 23.
Electromagnetic circuit. G. D. Craig, II. 2,454,634, Nov. 23.
Electromagnetic switch. B. Hinks. 2,454,451, Nov. 23.
Electronic device. E. C. Okress. 2,454,337, Nov. 23.
Electronic device having a metal collar and discal ring supporting an electrode from a resonator. A. J. Farst, J. J. Aakjer, and P. M. Dickerson. 2,454,313, Nov. 23.
Electronic tube. H. A. Zahl, G. F. Rouse, and J. E. Gorham. 2,454,298, Nov. 23.
Embroidery machine. B. G. Fortuna and E. Helliker. 2,454,379, Nov. 23.
Engine cooling means. A. L. Highberg. 2,454,696, Nov. 23.
Equation solver, Electronic. G. W. Brown and E. A. Goldberg. 2,454,549, Nov. 23.
Eraser, Pencil. C. F. Norlin. 2,454,399, Nov. 23.
Esters of glycols, Manufacture of mixed. A. J. Daly and W. G. Lowe. 2,454,274, Nov. 23.
Esters of polyhydroxy compounds, Manufacture of mixed. A. J. Daly and W. G. Lowe. 2,454,275, Nov. 23.
Excitation system for alternating current dynamoelectric machines. L. W. Thompson and P. E. Crever. 2,454,582, Nov. 23.
Explosion-proof motor. D. M. Berges. 2,454,371, Nov. 23.
Explosive compositions containing water-soluble salts, Gelatine blasting. S. Fordham and J. L. Moilliet. 2,454,643, Nov. 23.
Extrusion machine for plastic material. N. Lester and W. H. Schwartz. 2,454,661, Nov. 23.
Fastener: *See*—
Rail fastener.
Fastener. P. Van Sittert, M. Kostrubanic, Jr., and E. W. Lehman. 2,454,416, Nov. 23.
Fastening means and combination. S. Hammer. 2,454,695, Nov. 23.
Fats, Fractionation of. J. T. Dickinson, O. Morfit, and L. J. Van Orden. 2,454,638, Nov. 23.
Feeder: *See*—
Container feeder.
Feeding mechanism for agricultural machines. A. M. Buehler. 2,454,364, Nov. 23.
Fibrous products deriving from lignocellulose, Manufacture of. H. E. Walter. 2,454,533, Nov. 23.
Finishing machine for ornamental chains. F. Armbrust. 2,454,299, Nov. 23.
Fish gig. W. Koepke. 2,454,460, Nov. 23.
Fishing pole holder. H. C. Kaetker. 2,454,458, Nov. 23.
Fixture, Tool grinding. E. H. Monkley. 2,454,472, Nov. 23.
Flow regulator. D. P. Shoemaker. 2,454,574, Nov. 23.
Fluid controlled transmission, Automatic. R. F. Grebb. 2,454,694, Nov. 23.
Fluidized catalyst regeneration process which includes overhead cooling. F. H. Blanding. 2,454,373, Nov. 23.
Fluorescent coatings and the like, Method and means for protecting. G. S. Quinn. 2,454,745, Nov. 23.
Fluorodihalo esters. L. McGinty. 2,454,663, Nov. 23.
Flushing device for engine lubricating systems. E. N. Alderman. 2,454,585, Nov. 23.
Folding box. J. Scher. 2,454,573, Nov. 23.
Frame: *See*—
Crochet frame.
Fumaric acid, Manufacture of. L. H. Howland and W. F. Brucksch, Jr. 2,454,385–6, Nov. 23.
Game. M. R. Roberts. 2,454,478, Nov. 23.
Game pointer, Rotating. C. G. Rosenberger. 2,454,479, Nov. 23.
Garment, Maternity. R. M. Mahoney. 2,454,287, Nov. 23.

Gasket, Radio shielding sealing. A. A. Pierson, Jr. 2,454,567, Nov. 23.
Gauge: *See*—
Ionization-type vacuum gauge.
Gear box for accessories on board aircraft, Multidrive. C. R. Waselge. 2,454,293, Nov. 23.
Generator for ultra high frequencies, Tunable. D. G. Clifford and E. Pawlishen. 2,454,306, Nov. 23.
Glass composition. C. E. Leberknight and E. C. Ostrander. 2,454,607, Nov. 23.
Glide unit for furniture, Detachable. S. B. Hendrickson. 2,454,739, Nov. 23.
Gold- and silver-bearing ores, residues, and other products. Treatment of. A. F. B. Norwood. 2,454,336, Nov. 23.
Governor, Electrically controlled. C. A. Leonard. 2,454,659, Nov. 23.
Governor (speed responsive type). W. W. Peterson. 2,454,565, Nov. 23.
Governor, Wind electric. R. A. Foulston. 2,454,440, Nov. 23.
Grating structure. R. Wisely. 2,454,583, Nov. 23.
Grinding and polishing machine. C. Delafontaine and F. W. Kotler. 2,454,597, Nov. 23.
Grip for fishing rod handles, Rear. R. A. Thompson, E. E. Eriksson, and J. Carlson. 2,454,529, Nov. 23.
Grip for portable fire extinguishers, Squeeze. F. B. Allen. 2,454,621, Nov. 23.
Grip nut. E. M. Giles. 2,454,443, Nov. 23.
Guanidine nitrate, Purification of. C. E. Funk, Jr. 2,454,644, Nov. 23.
Guard attachment for ironing boards, Clothes. F. P. Hammell. 2,454,381, Nov. 23.
Gun supporting mechanism. J. C. Christian. 2,454,502, Nov. 23.
Hair curler. L. King. 2,454,459, Nov. 23.
Hanger for vehicles, Clothes. J. V. Auskelis and J. H. Martino. 2,454,368, Nov. 23.
Head for abrasive disks, Supporting. E. H. Tott. 2,454,726, Nov. 23.
Hearse. W. H. Pfeiffer. 2,454,566, Nov. 23.
Heat exchanger and reaction thrust apparatus. C. de Ganahl. 2,454,310, Nov. 23.
Heat-pressure operated warning switch. M. L. Michaelson. 2,454,288, Nov. 23.
Heater: *See*—
Self-propelled circulating heater.
Heater having variable output with constant temperature, Combustion air. S. E. Heymann and W. A. Marshall, Jr. 2,454,511, Nov. 23.
Heater, Including means to prevent fuel-contamination of the ventilating air, Aircraft. S. E. Heymann. 2,454,512, Nov. 23.
High-power oscillator tube. J. E. Gorham. 2,454,279, Nov. 23.
Hitch for vehicles, Safety. M. J. Figmick. 2,454,641, Nov. 23.
Holder: *See*—
Adjustable multiple plate holder.
Door holder.
Fishing pole holder.
License plate holder.
Lipstick holder.
Napkin holder.
Paintbrush holder.
Sandpaper holder.
Welding electrode holder.
Holder and carrier for bottles and the like. J. M. and C. T. Falk. 2,454,438, Nov. 23.
Holder for cigars and cigarettes. Z. Chneerson and A. Razdowitz. 2,454,631, Nov. 23.
Hook: *See*—
Door hook.
Hook guard. H. Hippler. 2,454,698, Nov. 23.
Hosiery handling and inspecting apparatus. E. R. Ammon. 2,454,622, Nov. 23.
Hydrocarbon distillates, Refining of. J. B. Held. 2,454,383, Nov. 23.
Hydrocarbon-substituted phenol-formaldehyde condensates modified in the phenolic hydroxyl. L. H. Bock and J. L. Rainey. 2,454,545, Nov. 23.
Hydrocarbons, Catalysis of. J. R. Bates. 2,454,369, Nov. 23.
Hygrometer. P. W. Zingaro. 2,454,584, Nov. 23.
Hygrometer and switch for radiosondes. J. Hornbostel. 2,454,320, Nov. 23.
Ice-cream scoop. J. J. Deutsch and J. Vigilante. 2,454,735, Nov. 23.
Illustrated matter. J. S. Abrams. 2,454,419, Nov. 23.
Indexing mechanism. S. G. Brady and J. L. Eling. 2,454,591, Nov. 23.
Indicating potential gradients, Method and apparatus for. E. P. Buckthal. 2,454,630, Nov. 23.
Indicator using light polarizing elements, Illuminated. G. K. C. Hardesty. 2,454,280, Nov. 23.
Inoculum and preparing and using same. F. D. Hager. 2,454,753, Nov. 23.
Inserting machine, Fastening. B. B. Blanchard. 2,454,302, Nov. 23.
Inspection apparatus for transparent vessels. N. P. Stoate. 2,454,411–12, Nov. 23.
Instrument panel for aircraft cockpits. H. W. Case. 2,454,272, Nov. 23.
Ionization-type vacuum gauge. R. B. Nelson. 2,454,564, Nov. 23.
Iron oxide-alkali metal pyroantimoniate catalysts and preparation. M. A. Mosesman. 2,454,398, Nov. 23.
Joint: *See*—
Ring sealed joint.
Joist and girder construction. E. A. Heim. 2,454,604, Nov. 23.
Kaleidoscope. D. E. Smith. 2,454,577, Nov. 23.
Keratin-containing material, Refining. S. Bakonyi. 2,454,730, Nov. 23.
Kerf-cutting machine. L. D. Hagenbook. 2,454,446, Nov. 23.
Kit, Shaving. P. Bowlin. 2,454,374, Nov. 23.
Knot tying mechanism. R. L. Dashew. 2,454,689, Nov. 23.
Lactone, Purifying a resinous. R. F. B. Cox. 2,454,376, Nov. 23.
Laminations, Making. E. A. Miller. 2,454,609, Nov. 23.
Lamp control system, Portable fluorescent. I. Pollack. 2,454,670, Nov. 23.
Landing gear for aircraft, Retractable auxiliary. L. Paraskevas. 2,454,611, Nov. 23.
Latch: *See*—
Door latch.
Latch for electric fence gates. L. J. Schilling. 2,454,348, Nov. 23.
Lens for cameras, Varifocal. F. G. Back. 2,454,686, Nov. 23.
Lens for lighting equipment. P. H. Mitchell and S. Malcolm. 2,454,332, Nov. 23.
Lever. W. A. Hyland. 2,454,701, Nov. 23.
License plate holder. J. S. Slamka. 2,454,722, Nov. 23.
Lifting device. E. J. Brinkert. 2,454,548, Nov. 23.
Lifting mechanism for dump bodies. G. M. Rumsby. 2,454,481, Nov. 23.
Light modulation by variable transmissivity receiver screen. T. W. Sukumlyn. 2,454,488, Nov. 23.
Lighter, Pyrophoric. E. J. Camm. 2,454,501, Nov. 23.
Lightning arrester. W. C. Hasselhorn and J. F. Jaap. 2,454,448, Nov. 23.
Lipstick holder. G. Russo. 2,454,718, Nov. 23.
Liquors containing unsaturated organic compounds for recovering the same, Treating aqueous. A. Schwerdle. 2,454,349, Nov. 23.
Loader, Tractor mounted. W. E. Knapp. 2,454,461, Nov. 23.
Lock nut and making same. O. J. Poupitch. 2,454,444, Nov. 23.
Lounge chair. A. Roth. 2,454,408, Nov. 23.
Lube additives made by solvent refining high molecular weight aliphatic-aromatic condensation products. C. E. Hodges and A. F. Cashman. 2,454,452, Nov. 23.
Lubricating oil composition. E. Lieber and E. P. Cashman. 2,454,394, Nov. 23.
Lubricator. R. H. Stiles. 2,454,354, Nov. 23.
Luggage carrier and protector. C. E. Meyerdick. 2,454,608, Nov. 23.
Machine for bending and shaping rolled irons and the like. E. Bugatti. 2,454,429, Nov. 23.
Machine for typing in the braille and abreu systems, Electric. J. de la Fuente Tejedo. 2,454,637, Nov. 23.
Machine tool shaper attachment. J. R. Tackett and V. G. Evans. 2,454,490, Nov. 23.
Magnesium oxide, Making dense. A. D. Dahl. 2,454,733, Nov. 23.
Maleic acid to fumaric acid, Isomerization of. L. H. Howland and W. F. Brucksch, Jr. 2,454,387, Nov. 23.
Margin justifying device for typewriters. O. O. Martin. 2,454,470, Nov. 23.
Mast for marine craft. F. R. Eichner. 2,454,640, Nov. 23.
Mat, Revetment. A. B. Pickett. 2,454,292, Nov. 23.
Materials for dental purposes. C. Joannides. 2,454,456, Nov. 23.
Matrix predrier. W. T. Moir. 2,454,334, Nov. 23.
Means for use in computing elapsed time and the like. G. W. Odell. 2,454,711, Nov. 23.
Mechanical galloping horse. A. A. Kollman. 2,454,656, Nov. 23.
Metalization on nonconductors. H. Narcus. 2,454,610, Nov. 23.
Metallizable polyazo dyestuffs. W. Wehrli and C. Petitjean. 2,454,683, Nov. 23.
Meter: *See*—
Miles-per-gallon meter.
Methyl ethyl ketone by azeotropic distillation under superatmospheric pressure, Dehydration of. W. S. Harney, Jr., and E. H. Amick, Jr. 2,454,447, Nov. 23.
Miles-per-gallon meter. C. A. Leonard. 2,454,393, Nov. 23.
Milling machine. H. M. Braucher. 2,454,269, Nov. 23.
Mine, Antipersonnel artillery. C. A. Hicks. 2,454,281, Nov. 23.
Mixture of thermoplastic interpolymers, Vulcanizable. G. W. Stanton and C. E. Lowry. 2,454,486, Nov. 23.
Modeling tool. W. H. Slack. 2,454,576, Nov. 23.
Mold for producing crankshafts I. Olsen. 2,454,712, Nov. 23.
Molding halftone values in printing surfaces. F. G. Yanes. 2,454,729, Nov. 23.
Molding machine. W. M. Lester. 2,454,561, Nov. 23.

Molybdena catalysts, their preparation and use. M. W. Tamele, V. C. Irvine, and J. F. Mahar. 2,454,724, Nov. 23.
Molybdenum, Manufacture of. C. V. Iredell and R. J. Enrico. 2,454,322, Nov. 23.
Mosaic, Interlocking. B. Cooley. 2,454,307, Nov. 23.
Motor: *See*—
Combination step-by-step and induction motor. Explosion-proof motor.
Motor control, Electric. J. M. Roberts. 2,454,671, Nov. 23.
Motor control system, Electric. D. E. Sunstein. 2,454,355, Nov. 23.
Motor control system, Electronic. H. Nygaard. 2,454,401, Nov. 23.
Mount: *See*—
Subcaliber gun mount.
Mounting for armored vehicles, Periscope. F. S. Brackett. 2,454,268, Nov. 23.
Mounting for spinning rings and the like. G. L. Meyers and J. C. Shutt. 2,454,707, Nov. 23.
Mounting for vacuum cleaners, Motor and fan unit. P. C. Rector. 2,454,569–70, Nov. 23.
Music box. E. Wedemeyer. 2,454,361, Nov. 23.
Napkin holder. W. J. Lisek. 2,454,517, Nov. 23.
Needle holder and sterilizer. F. F. Gunther. 2,454,602, Nov. 23.
No-twist self-locking coupling. F. Jacobson. 2,454,557, Nov. 23.
Nonskid device. F. G. Rosene. 2,454,407, Nov. 23.
Nutcracker with an adjustable sliding jaw. W. M. Gallagher. 2,454,601, Nov. 23.
Nut-shelling machine. E. P. Leonard. 2,454,660, Nov. 23.
Olefins from aromatic hydrocarbons, Removing. R. M. Love. 2,454,467, Nov. 23.
Oleomargarine coloring unit. L. Adler, H. G. Johnson, and B. J. Schneider. 2,454,420, Nov. 23.
Operating mechanism, Switch. P. T. Repka. 2,454,341, Nov. 23.
Oscillator, Positive grid. J. W. McNall and A. H. Laidig. 2,454,330, Nov. 23.
Output regulation of circuit type gas-turbine plants. W. Traupel. 2,454,358, Nov. 23.
Oven, Electronic baking. De G. Beaubien. 2,454,370, Nov. 23.
Oven with heat diverting means, Culinary. P. W. Rom. 2,454,571, Nov. 23.
Package for rolls and the like. L. W. Staunton and R. L. Atkinson. 2,454,352, Nov. 23.
Paintbrush holder. W. O. Nance. 2,454,474, Nov. 23.
Petroleum emulsions, Breaking. M. De Groote and O. H. Pettingill. 2,454,435, Nov. 23.
Petroleum emulsions, Resolving. J. L. Harlan. 2,454,382, Nov. 23.
Phase-shifting system, Electrical. J. R. Beckwith. 2,454,426, Nov. 23.
Picking motion for looms. J. Heaton. 2,454,603, Nov. 23.
Pigment green and producing the same. W. G. Huey and W. G. Drautz. 2,454,453, Nov. 23.
Pipe: *See*—
Smoker's pipe.
Pipe fitting. H. S. Leo and B. B. Breslow. 2,454,465, Nov. 23.
Piperazine, Preparation of. H. F. Pfann and J. K. Dixon. 2,454,404, Nov. 23.
Planer attachment for lathes. J. W. Miller. 2,454,331, Nov. 23.
Plastic sheets, Making cored laminated. C. A. Scogland 2,454,719, Nov. 23.
Plow, Disk. A. E. Rutter. 2,454,482, Nov. 23.
Plug valve. O. Jacobsen. 2,454,389, Nov. 23.
Pole motor and the like, Shaded. E. W. Ballentine. 2,454,589, Nov. 23.
Polyesters, Surface-active linear. L. H. Bock and J. L. Rainey. 2,454,546, Nov. 23.
Polymeric detergents. L. H. Bock and J. L. Rainey. 2,454,541–3, Nov. 23.
Polymeric detergents comprising water-soluble salts of the half-esters of dicarboxylic acids and the formaldehyde condensates of hydrocarbon-substituted phenoxy-polyalkoxy alkanols. L. H. Bock and J. L. Rainey. 2,454,544, Nov. 23.
Polymeric quaternary ammonium salts. L. H. Bock and A. L. Houk. 2,454,547, Nov. 23.
Polymerization of furfuryl acrylate. C. E. Rebberg and C. H. Fisher. 2,454,756, Nov. 23.
Polymethine dyes. L. G. S. Brooker. 2,454,629, Nov. 23.
Polyvinyl acetal with a diisocyanate-modified polyester or polyester-amide, Mixture of a. W. F. Smith and H. G. White. 2,454,678, Nov. 23.
Portable drying rack. H. F. Kuehn. 2,454,559, Nov. 23.
Portable self-contained drum cleaner. F. E. Neef, Jr. 2,454,289, Nov. 23.
Post-adjusting means for wire and mail directing apparatus. M. F. Stephens. 2,454,680, Nov. 23.
Potentiometer, Sealed. I. Gordy. 2,454,278, Nov. 23.
Pouch, Nail. E. J. Scarlett. 2,454,346, Nov. 23.
Poultry feeder. V. and C. L. Severance. 2,454,721, Nov. 23.
Power plant, Internal-combustion turbine. W. R. Hawthorne. 2,454,738, Nov. 23.
Press: *See*—
Automatic molding press.
Pressure switch. W. H. Gille. 2,454,647, Nov. 23.
Printed fabrics, Producing. A. S. Jones and G. B. Stackpole. 2,454,391, Nov. 23.
Projector, Nonintermittent cinematographic. F. F. Ehrenhaft. 2,454,504, Nov. 23.
Pump: *See*—
Centrifugal pump.
Pump for removal of lubricants from containers. L. C. Rotter, A. P. Fox, and C. H. Mueller. 2,454,343, Nov. 23.
Pump output regulator. J. Mercier. 2,454,563, Nov. 23.
Pyrazolone azo pigment. E. Armatys. 2,454,266, Nov. 23.
Pyridazone derivatives and preparing the same. J. F. Morgan. 2,454,742, Nov. 23.
Pyroligneous liquors for preserving food products and preparing the same. H. M. Guinot. 2,454,649, Nov. 23.
Rack: *See*—
Portable drying rack. Secondary rack.
Radar apparatus, Frequency modulated. B. R. Cole. 2,454,633, Nov. 23.
Radiator construction, Finned. J. E. Tolan. 2,454,357, Nov. 23.
Radio bomb release system. R. C. Sanders, Jr. 2,454,673, Nov. 23.
Rail fastener. M. D. Hughes. 2,454,454, Nov. 23.
Ratio-measuring system. D. W. Moore, Jr. 2,454,520, Nov. 23.
Reading stand. A. Savastano. 2,454,526, Nov. 23.
Receiver, Bone conduction. L. A. Watson and P. C. Heijn. 2,454,494, Nov. 23.
Receiver-transmitter system, Wave-signal. L. R. Malling. 2,454,396, Nov. 23.
Receptacle and closure thereof. W. H. Schrader. 2,454,674, Nov. 23.
Refrigerating apparatus. I. M. Wherry. 2,454,727, Nov. 23.
Refrigerating system, Two-temperature. L. W. Atchison. 2,454,537, Nov. 23.
Refrigeration system, Absorption. J. N. Roth. 2,454,344, Nov. 23.
Refrigerator, Portable. M. Brodheim. 2,454,303, Nov. 23.
Regulator: *See*—
Flow regulator. Pump output regulator.
Relay, Polarized electrical. T. J. O'Meara. 2,454,713, Nov. 23.
Removal of solids from liquids, with a control operating in response to viscosity or pressure, Method of and apparatus for the. E. A. Kamp. 2,454,653, Nov. 23.
Reproducing sound motion pictures in synchronism with the picture and sound on separate media. L. Thompson. 2,454,491, Nov. 23.
Resinous linear polyesters in crumblike form, Preparing. E. M. Beavers. 2,454,539, Nov. 23.
Resistor and making the same. G. G. Herrick and H. N. Veley. 2,454,508, Nov. 23.
Ring sealed joint. H. E. Thornhill. 2,454,356, Nov. 23.
Riveting machine, Portable. C. A. Dawson. 2,454,596, Nov. 23.
Rotor assembly for cylinder grinding machines, Flexible multibladed. A. Rebman. 2,454,406, Nov. 23.
Rotors, Manufacturing bladed. R. H. Thielemann. 2,454,580, Nov. 23.
Rubberlike materials, Manufacture of. C. A. Curtis and D. S. Stephens. 2,454,635, Nov. 23.
Salesman's folding sample case. R. A. Silene. 2,454,575, Nov. 23.
Sandpaper holder. M. D. Nissenbaum. 2,454,668, Nov. 23.
Sanding machine. F. Harris. 2,454,650, Nov. 23.
Scraper. B. F. Owen. 2,454,475, Nov. 23.
Screen: *See*—
X-ray screen.
Sealing element including a binder consisting of polyisobutylene and factice. E. G. King. 2,454,283, Nov. 23.
Secondary rack. B. M. Smalley. 2,454,677, Nov. 23.
Self-propelled circulating heater. J. E. Woods. 2,454,296, Nov. 23.
Servo unit. B. G. Carlson. 2,454,551, Nov. 23.
Sewing. J. P. Fredericksen. 2,454,277, Nov. 23.
Sewing machine drive. J. W. Momberg. 2,454,471, Nov. 23.
Shade roller bracket. J. C. Haws and C. A. White. 2,454,449, Nov. 23.
Shaft brake for fishing reels, Continuous. B. E. Berlinger. 2,454,590, Nov. 23.
Shaker conveyer. W. W. Sloane. 2,454,484, Nov. 23.
Sheet of molecularly oriented transparent linear high polymer dyed with dichroic substance and manufacture, Light-polarizing. E. H. Land. 2,454,515, Nov. 23.
Shield, Breast. M. W. Warner. 2,454,535, Nov. 23.
Shield for dental lathes. J. P. Honey. 2,454,513, Nov. 23.
Shockproof support. C. E. Bazley and C. Bangert, Jr. 2,454,538, Nov. 23.
Shoe closure. H. Nichols. 2,454,335, Nov. 23.
Shower unit, Portable. G. McCann. 2,454,518, Nov. 23.
Sight for firearms. H. F. Mossberg. 2,454,397, Nov. 23.
Signal for airplanes, Stall indicating warning. G. H. Arnold. 2,454,587, Nov. 23.
Signal system, Approach. G. W. Baughman. 2,454,687, Nov. 23.
Signaling and control system for carrier telephone trunk circuits. E. H. B. Bartelink. 2,454,498, Nov. 23.

Silver chloride articles, Production of welded. H. C. Kremers and R. E. Price. 2,454,462, Nov. 23.
6-methyl pteridines, Preparing. J. H. Boothe. 2,454,751, Nov. 23.
Skate, Convertible. J. W. Howard. 2,454,321, Nov. 23.
Sleeve stretcher or the like. M. Lopez. 2,454,395, Nov. 23.
Sling. C. M. Zerr. 2,454,417, Nov. 23.
Smoker's pipe. A. E. Dietz. 2,454,436, Nov. 23.
Sorting machine, Punched card. K. J. Braun. 2,454,628, Nov. 23.
Space charge device, Electric. L. H. Smith. 2,454,757, Nov. 23.
Spinning means and method. E. H. Jackson, Jr. 2,454,323, Nov. 23.
Splint, Traction. P. H. Henderson. 2,454,319, Nov. 23.
Sprayer. S. F. Potts and R. A. Spencer. 2,454,339, Nov. 23.
Spraying, Method and apparatus for. N. C. Christensen. 2,454,594, Nov. 23.
Spring construction. J. O. La Fond. 2,454,703, Nov. 23.
Staking machine. G. A. Schettler. 2,454,347, Nov. 23.
Stand: *See*—
Reading stand.
Stand for displaying posters, Sign. H. Green. 2,454,648, Nov. 23.
Stoker, Automatic. J. T. Norman. 2,454,400, Nov. 23.
Stop mechanism for sewing machines. W. Myers. 2,454,710, Nov. 23.
Stripper, Punch press. T. T. Crandall. 2,454,432, Nov. 23.
Subcaliber gun mount. G. B. Davis, Jr. 2,454,276, Nov. 23.
Suitcase valance structure. R. H. Worley. 2,454,366, Nov. 23.
Sulfur compounds, Manufacture of. W. A. Schulze and W. W. Crouch. 2,454,409, Nov. 23.
Support: *See*—
Shockproof support.
Support for milkers, Overhead. H. B. Babson. 2,454,300, Nov. 23.
Support for newspaper bags. R. S. Cathey and L. D. Clarke. 2,454,732, Nov. 23.
Support structure, Grid. L. B. Curtis. 2,454,377, Nov. 23.
Supporter, Athletic. C. J. Flaherty. 2,454,507, Nov. 23.
Suspension for pipe tongs. A. E. Hambly. 2,454,317, Nov. 23.
Switch: *See*—
Door chime control switch. Heat-pressure operated warning switch.
Electric range switch. Pressure switch.
Electric switch.
Electromagnetic switch.
Switch construction, Push-button. L. L. Verkuil. 2,454,295, Nov. 23.
Switch for airplanes, Safety. A. E. Baak. 2,454,423, Nov. 23.
Switch for internal-combustion engines, Timer. H. F. C. Rietschel. 2,454,524, Nov. 23.
Synchronizing system. J. H. Homrighous. 2,454,651, Nov. 23.
Table: *See*—
Baby dining-play table.
Takedown type swing-out-of-the-way wall bracket. R. E. McLean. 2,454,664, Nov. 23.
Takeup mechanism. H. H. Merwin and A. C. Nystrom. 2,454,329, Nov. 23.
Tank for thermoplastic material, Dip. W. H. Lerner. 2,454,286, Nov. 23.
Telegraph system. W. M. Bacon. 2,454,301, Nov. 23.
Telescoping cigarette case. J. W. Irwin. 2,454,455, Nov. 23.
Temperature controlling device. V. Weber. 2,454,682, Nov. 23.
Temperature responsive device. R. W. Cobean. 2,454,552, Nov. 23.
Tent structure. W. E. Lee. 2,454,464, Nov. 23.
Textile chrome-printing compositions and their manufacture. C. Babey, W. Thommen, and E. Stocker. 2,454,623, Nov. 23.
Thioglycol esters. M. A. Pollack. 2,454,568, Nov. 23.
Tire for vehicles. E. C. Woods. 2,454,750, Nov. 23.
Tobacco hogsheads and securing means for the heads thereof. H. G. Bell and J. D. Gay, Jr. 2,454,267, Nov. 23.
Tocopherol concentrate, Preparation of. N. D. Embree and N. H. Kuhrt. 2,454,692, Nov. 23.
Tool: *See*—
Bolt holding tool. Modeling tool.
Cutting tool.
Torque apparatus, Eddy-current. M. P. Winther. 2,454,364, Nov. 23.
Toxins and toxoids, Production of. I. A. Parfentjev and A. J. Weil. 2,454,755, Nov. 23.
Toy, Airplane control. C. H. Foster. 2,454,693, Nov. 23.
Toy book, Animated. E. Nudelman. 2,454,669, Nov. 23.
Toy, Mechanical. H. Brush. 2,454,375, Nov. 23
Tractor mower. S. E. Hiblom. 2,454,697, Nov. 23.
Tractor power device. R. D. Acton. 2,454,684, Nov. 23.
Transducer. H. W. Ashton. 2,454,496, Nov. 23.
Translating device, Magnetic. B. B. Bauer. 2,454,425, Nov. 23.
Transmission system, Fluid pulsator. G. R. Ericson. 2,454,311, Nov. 23.
Transmitter for aviation ground trainers, Automatic aural-visual signal. C. J. Crane. 2,454,503, Nov. 23.
Transmitting mechanism, Sealed. W. A. Reichel. 2,454,340, Nov. 23.
Trap: *See*—
Animal trap.
Truck, Automobile transporting. E. V. Garnett. 2,454,554, Nov. 23.
Tube: *See*—
Cathode-ray storage tube. High-power oscillator tube.
Electric discharge tube. Ultra high frequency electronic tube.
Electronic tube.
Tube and circuit therefor, Cathode beam. R. L. Snyder, Jr. 2,454,410, Nov. 23.
Tube apparatus, Cathode-ray. S. V. Forgue. 2,454,378, Nov. 23.
Tube forming device. H. L. Johnson. 2,454,282, Nov. 23.
Tube with electron lenses, Cathode-ray deflection. R. Rüdenberg. 2,454,345, Nov. 23.
Tubes, Producing radiator. M. G. Boerger. 2,454,624, Nov. 23.
Tumbler. J. P. Jorgenson. 2,454,392, Nov. 23.
Turbine, Fluid pressure. A. B. Broluska. 2,454,428, Nov. 23.
Ultra high frequency electronic tube. H. J. McCarthy. 2,454,741, Nov. 23.
Vacuum cleaner. E. W. Gent. 2,454,314, Nov. 23.
Valve: *See*—
Plug valve.
Valve for oil temperature control units, By-passing. W. Worth. 2,454,297, Nov. 23.
Valve lever, Double-action flush. B. R. Crampton. 2,454,431, Nov. 23.
Vaporizer. W. R. Kuzmin and S. J. Levine. 2,454,657, Nov. 23.
Venetian blind head box. F. J. Burns. 2,454,550, Nov. 23.
Vibrator for use in connection with concrete. R. L. Wilde. 2,454,620, Nov. 23.
Visor, Sun. W. J. Peltier and A. J. Diroff. 2,454,613, Nov. 23.
Water, Treating fish press. J. K. Gunther and L. Salr. 2,454,315, Nov. 23.
Wave generating system. M. Artzt. 2,454,367, Nov. 23.
Wedge actuator attachment for journal boxes. J. L. Gosnell. 2,454,445, Nov. 23.
Weed burning apparatus. H. E. Woolery. 2,454,365, Nov. 23.
Welding electrode holder. E. Siemers. 2,454,617, Nov. 23.
Wheel mechanism, Tail. D. M. Leitch. 2,454,658, Nov. 23.
Wheel operating means for airplanes. O. A. Brandt and F. G. Ellingsen. 2,454,627, Nov. 23.
Window sash control. J. A. Swenson. 2,454,619, Nov. 23.
Wrench with means to grip the inner surface of pulley rims, Spanner. J. J. Sullivan. 2,454,489, Nov. 23.
X-ray apparatus. T. H. Rogers and W. W. Fengler. 2,454,525, Nov. 23.
X-ray screen. W. H. Byler and C. C. Carroll. 2,454,499, Nov. 23.
Xylophone. L. Okrain. 2,454,402, Nov. 23.
Yarn feed for twisting machines. C. F. Powell. 2,454,405, Nov. 23.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 23, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

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278: 2,454,671
322— 25: 2,454,582
92: 2,454,581
343— 7: 2,454,673
8: 2,454,633
105: Re.23,050
346— 104: 2,454,711

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,454,279:	315—38	2,454,342:	200—160.	2,454,400:	122—15	2,454,535:	2—42	2,454,608:	224—42.01	2,454,678:	260—45.2
2,454,285:	198—34	2,454,345:	250—161	2,454,421:	31—20	2,454,537:	62—4	2,454,614:	192—.07	2,454,680:	287—119
2,454,292:	61—38	2,454,360:	260—473	2,454,428:	253—56	2,454,559:	211—104	2,454,630:	175—183	2,454,698:	24—232
2,454,294:	260—23.5	2,454,361:	312—155	2,454,429:	153—3	2,454,564:	315—111	2,454,635:	260—79	2,454,706:	62—170
2,454,298:	315—32	2,454,363:	230—5	2,454,457:	18—47.5	2,454,578:	123—136	2,454,636:	137—153	2,454,715:	62—99
2,454,303:	62—34	2,454,368:	224—42.45	2,454,459:	132—41	2,454,585:	134—10	2,454,638:	202—39.5	2,454,738:	170—135.7
2,454,327:	248—346	2,454,373:	252—417	2,454,463:	5—336	2,454,595:	222—133	2,454,658:	244—102	2,454,739:	16—30
2,454,336:	75—105	2,454,378:	315—24	2,454,466:	252—417	2,454,600:	230—187	2,454,660:	146—10	2,454,741:	315—39
2,454,337:	315—39	2,454,398:	252—474	2,454,507:	128—158	2,454,602:	21—87	2,454,674:	215—39		

CLASSIFICATION OF DESIGNS

D 3— 4:	Des. 151,811	D29— 1:	Des. 151,816	D45— 4:	Des. 151,851	D45—16:	Des. 151,844	D45—19:	Des. 151,828	D54—13:	Des. 151,860
	Des. 151,812	D34— 5:	Des. 151,821	9:	Des. 151,808		Des. 151,845		Des. 151,829	D56— 4:	Des. 151,859
	Des. 151,813	D44— 1:	Des. 151,854	16:	Des. 151,830		Des. 151,846		Des. 151,831	D58— 6:	Des. 151,862
	Des. 151,814	10:	Des. 151,823		Des. 151,835		Des. 151,847		Des. 151,832	8:	Des. 151,807
	Des. 151,818	21:	Des. 151,863		Des. 151,836		Des. 151,848		Des. 151,833	25:	Des. 151,810
	Des. 151,819	29:	Des. 151,822		Des. 151,837	19:	Des. 151,805		Des. 151,834	D74— 1:	Des. 151,857
	Des. 151,820	D45— 4:	Des. 151,840		Des. 151,838		Des. 151,824	D48—20:	Des. 151,815	D87— 3:	Des. 151,858
D13— 2:	Des. 151,852		Des. 151,843		Des. 151,839		Des. 151,825		Des. 151,817	D89— 1:	Des. 151,856
D26—14:	Des. 151,806		Des. 151,849		Des. 151,841		Des. 151,826		Des. 151,855	D93— 4:	Des. 151,853
	Des. 151,809		Des. 151,850		Des. 151,842		Des. 151,827		Des. 151,861		

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,712,274, W. H. Knowles, Closure; 1,895,225, same, Capping and sealing machine, D. C., S. D. N. Y., Doc. 44/649, *C. F. Knowles* v. *Standard Cap & Seal Corp.* Stipulation and order dismissing action with prejudice Sept. 4, 1948.

1,895,225. (See 1,712,274)

1,949,098, A. W. Becker, Windshield clearing device; 2,206,814, E. C. Horton, Windshield clearing system, filed Aug. 20, 1948, D. C., S. D. Iowa, Doc. 863, *Trico Products Corp.* v. *The Delman Corp.*

1,969,875, 2,092,244, E. P. Charak, Drop leaf table; 2,071,729, same, Extension table, suit for Declaratory Judgment Sept. 28, 1948, D. C., S. D. N. Y., Doc. 47/474, *The Albano Co., Inc.*, v. *Charak Furniture Co., et al.*

2,036,608, H. E. Rosenberg, Removable handbag cover, filed Sept. 20, 1948, D. C., S. D. N. Y., Doc. 47/391, *Edwards Bags, Ltd., et al.* v. *R. H. Macy & Co., Inc., et al.*

2,036,757, J. W. Hume, Adjustable balancer for vehicle wheels, D. C., E. D. Mich., S. Div., Doc. 7074, *H. C. Loney Co.* v. *John Bean Mfg. Co., et al.* Stipulation and order of dismissal without prejudice Sept. 27, 1948.

2,071,729. (See 1,969,875)

2,092,244. (See 1,969,875)

2,143,616, G. C. Adler, Column; 2,233,089, same, Beam construction, filed Sept. 28, 1948, D. C., S. D. Fla., Miami, Doc. 2662–M, *Uanel Blocks, Inc.*, v. *N. F. McMillen.*

2,191,717, H. A. Jeffery, Vacuum cleaner, filed Sept. 29, 1948, D. C., N. D. Ohio, E. Div., Doc. 25,909, *Hydro-Air Cleaning Systems, Inc.*, v. *Manuel Products, Inc.*

2,206,814. (See 1,949,098)

2,233,089. (See 2,143,616)

2,256,803, E. Hauser, Antenna system for a radio receiving set, D. C., S. D. N. Y., Doc. 45/102, *Eric Hauser* v. *Freed Radio Corp.* Stipulation of discontinuance Mar. 15, 1948.

2,258,803, J. S. Peles, Birdproofing, D. C., S. D. N. Y., Doc. 40,370, *Building Maintenance Corp.* v. *Stanley's Roofing & Building Service, Inc., et al.* Stipulation dismissing action with prejudice Aug. 5, 1948.

2,266,625, C. W. Cundiff, Terracer and grader, filed Sept. 8, 1948, D. C., N. D. Tex., Lubbock, Doc. 690, *Owensboro Ditcher & Grader Co., et al.* v. *Phares-Wilkins Mfg. Co., et al.*

2,314,733, F. M. Owen, Automatic cathead, D. C., W. D. Okla., Oklahoma City, Doc. 3612, *O. M. Gahagan, et al.* v. *American Iron & Machine Works Co., et al.* Judgment for plaintiffs (notice Sept. 22, 1948).

2,320,624, J. A. Love, Disk harrow, filed Sept. 27, 1948, D. C., E. D. Mich., S. Div., Doc. 7652, *Love Tractor, Inc.*, v. *Dearborn Motors Corp.*

2,406,500, G. E. Karl, Hoe wheel plate stamping, filed Sept. 15, 1948, D. C., S. D. W. Va., Doc. 883, *General Implement Corp. of America* v. *Burford Machine & Supply Co., Inc.*

2,425,705, D. A. Tetu, Method of removing manganese from calcium, D. C., S. D. N. Y., Doc. 46/224, *G. M. Marr* v. *Hearn Dept. Stores, Inc.* Consent order of discontinuance (notice Sept. 24, 1948).

T. M. 277,372, F. Morgenstern, Medicinal preparation for use in the relief of pains and inducing sleep; T. M. 424,226, Schering Corp., Mixtures of two or more sulfonamide drugs for the treatment of bacterial infections, filed Sept. 22, 1948, D. C. N. J., Doc. 11,663, *Morgenstern Chemical Co., Inc.*, v. *Schering Corp.*

T. M. 424,226. (See T. M. 277,372)

T. M. 431,791, W. G. Cummings, Special tool joint dressing; T. M. 431,792, same, Lead zinc tool joint dressing; T. M. 435,163, same, Dope brush, D. C., N. D. Okla., Tulsa, Doc. 2285, *W. D. Moore* v. *W. G. Cummings.* Dismissed with prejudice on application of plaintiff Sept. 21, 1948.

T. M. 431,792. (See T. M. 431,791)

T. M. 435,163. (See T. M. 431,791)

NOTICES

Interference Notice

Louis S. Richman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Cudahy Packing Co., 221 North La Salle Street, Chicago, Ill., for registration of a trade-mark and registration No. 388,367, issued June 24, 1941, to Louis S. Richman, 225 Grand Street, New York, N. Y., and the notice of such declaration sent by registered mail to the said Richman at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Richman, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

Nov. 4, 1948.

Cancellation Notice

Mary Pardo, her assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Elizabeth Arden Sales Corporation, 681 Fifth Ave., New York 22, N. Y., to effect the cancellation of trade-mark registration of Mary Pardo, 552 Cabrini Place, Chicago, Ill., No. 347,316, dated June 22, 1937, and the notice of such proceeding sent by registered mail to the said Mary Pardo at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Mary Pardo, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

Nov. 5, 1948.

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Classification Order No. 36

September 29, 1948

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION

ABOLISH SUBCLASSES

In *class 15, Brushing, Scrubbing, and General Cleaning* (Division 27)

2 **Cleaning plants**
Machines
Combined
Beater and brush
6 Air blast or suction
7 Brush and air blast or suction
8 Carpet sweepers
9 Convertible
10 Nonrotary
11 Street sweepers
12 Beater and air blast or suction
13 Portables
14 Air blast and suction
15 Suction
16 Floor and wall cleaners
17 Hand pump
18 Traction pump
19 Street cleaners
20 Air blast
Implements
Pipe and tube cleaners
Outside
104.045 Fluid blast
Inside
104.055 Fluid blast
155 Nozzles, heads and shoes
156 Joints and couplings
157 Scrapers, guards and pick ups
158 With brush

In *class 119, Animal Husbandry* (Division 5)

Grooming devices
84 Pneumatic

In *class 175, Electricity—General Applications* (Division 48)

353 **Current amplifiers**

In *class 225, Dispensing Beverages* (Division 35)

Soda water apparatus
23 Faucets
24 Foam
25 Rotary valve
26 Mixing
27 Nozzles

In *class 230, Gas Pumps and Fans* (Division 9)

Fluid displacement
Jet pumps
94 Tube cleaners

CHANGE SUBCLASS TITLES

In *class 24, Buckles, Buttons, Clasps, etc.* (Division 41) change the title of subclass 124 to read:

Cord and rope holders
Couplings and sockets
124 Sleeve and nut clamp

In *class 95, Photography* (Division 7) change the title of subclass 61 to read:

Cameras
Shutters
Pivoted
Blade
61 Unidirectional rotary

In *class 175, Electricity—General Applications* (Division 48) change the title of subclass 21 to read:

21 **Electromagnets and permanent magnets**

ESTABLISH SUBCLASSES

In *class 15, Brushing, Scrubbing, and General Cleaning* (Division 27)

RICHARD A. WAHL, *Classifier*

Machines
300 With air blast and/or suction (to follow subclass 3.21)
301 **Fixed position cleaners or installed cleaning systems**
302 With liquid or other cleaning material application to work
303 With work handling or supporting
304 Hollow work internal cleaning, e. g., bag and/or bottle cleaners
305 Tumbling cylinders or cages
306 With means to guide or move the work to or through cleaning station or treating means
307 With work-width compensating features
308 With work agitator, e. g., brushing, beating, shaking
309 Plural diverse types, e. g., beating and brushing
310 Manual application of work to cleaning means
311 With moving work-agitating means
312 With fixed guide for ambulant air draft applying means
313 Installed in automobile or other vehicle for the cleaning thereof
314 With flexible conduit connection between ambulant air draft applying means and relatively stationary air pump or supply
315 Extensible and retractible conduit
316 Air blast only, e. g., boiler soot-blowers
317 With blowing element housing or protecting feature, e. g., embedded, disappearing or cooling
318 Moving nozzle with air supply control interlocked with nozzle motion means
319 With automatic control
320 With liquid or other cleaning material application to work
321 Manipulatable nozzle with flexible conduit connection to portable power and/or material supply unit, e. g., window washer
322 Nozzles
323 With storage facilities for tools or nozzles, conduits, etc., e. g., racks and cabinets
324 Illuminator for work area
325 With fender or bumper, i. e., furniture guard
326 With sound muffling feature
327 Tank type cleaner organizations
328 Convertible
329 To or from hand held and hand manipulated
330 Suction to or from blast
331 Plural selective air draft means, e. g., on-floor to off-floor
332 With agitator and/or fan interlock, e. g., floor or rug safety feature
333 Floor nozzle elevating
334 Floor nozzle air flow diverted to off-floor cleaning means
335 Tubular handle, e. g., "Air-Way" type
336 With supporting means, e. g., wall-mounted clamp
337 By insertion or attachment of additive converter
338 Converter attached to floor nozzle mouth
339 Combined, e. g., with signal or indicator
340 Power propelled vehicle or carrier
341 Traction or manual operation of air pump or fan
342 Rotary air impeller
343 Hand cranked
344 Hand supported and manipulated, e. g., miniatures or upholstery type
345 Air blast with suction
346 Closed circuit systems, i. e., air recirculating
347 With dust or dirt handling or storing or separating, e. g., filter bags
348 With conveying means additional to air stream
349 With receiver for dirt from rotary or moving agitator
350 Separator mounted on or attached to manipulating handle, e. g., push-broom type
351 Handle movable relative to floor tool air exhaust conduit
352 Separator element cleaning in situ and/or storage or removal of retained dirt
353 With liquid and/or deflection type separator
354 With work-contacting carriage or mount, and relatively adjustable nozzle
355 With agitator adjustable relative to nozzle
356 Interlocked or simultaneous adjustment
357 Suction responsive
358 With work surface contact or penetration sensing
359 Biased or floating nozzle
360 Urged away from contact with work
361 Handle operated or handle associated control
362 With nozzle carriage or mount having work-surface penetration control, e. g., differential area supporting wheels
363 With mechanical agitating means
364 Diverse agitating operations, e. g., brushing with beating or movable with stationary
365 Selective
366 Rotary only, e. g., "Hoover" type beating brush
367 Stationary or non-moving agitating means only
368 Adjustable with respect to nozzle
369 Responsive to translational movement of nozzle
370 Rotary agitator with radially adjustable elements, e. g., wear-compensating
371 Floating or resiliently biased contact with work surface
372 Rotary work contactor
373 Retractable, i. e., selective use
374 Oblique or V-shaped arrangement of agitator
375 With auxiliary ambient air inlet to nozzle, e. g., through air tunnel and/or agitator
376 Agitator bearing or drive air bleed
377 Auxiliary or separate, i. e., non-fan, driving motor
378 With guard to inhibit work entry into nozzle mouth
379 Vibrating nozzle or nozzle lips
380 Rectilinearly moving parallel to work surface, e. g., scrubbing
381 Oscillating agitator, e. g., sweeping
382 Striking beater, i. e., perpendicular movement
383 Rotary agitator
384 Tandem agitator units
385 Axis non-parallel to work surface
386 With eccentrically mounted turnable work contacting elements
387 Air current operated
388 Traction operated
389 Drive details
390 With clutch or other drive disconnect
391 Belt or drive housings or other protective features
392 Agitator bearings or supporting details
393 Stationary agitator
394 Work piece surrounding or opposed agitators, e. g., bar or slat cleaners
395 For opposed surfaces or hollow work internal cleaning
396 Hollow head with perforate reticulate supporting surface for agitator
397 With tubular air nozzles interspersed throughout work contacting surface
398 Bristle brush type
399 With bristle bridle or air seal or shroud
400 Nozzle attachment type
401 Scraper or squeegee type
402 Serrated or toothed, e. g., comb or rake type
403 Dry mop type, e. g., textile strand or sheep pelt
404 With pulsating air flow
405 Air blast only
406 For hollow work, internal cleaning, e. g., tube soot-blowers
407 Work operated valve
408 With induced flow of ambient air, e. g., jet-pump
409 Jet pump suction-devices
410 Handle features, e. g., limit stops or storage locks
411 Angular or lateral adjustment of cleaner by axial rotation of handle
412 Motor features, e. g., housing or casing assemblies
413 Air cooling by other than main air stream
414 Detachable and/or extension nozzles
415 Nozzles
416 With plural mouths selectively usable, e. g., "duplex" nozzles
417 Top and bottom reversible type
418 With area adjusting, e. g., restrictors
419 With air flow control means, e. g., work-operated valve
420 With notched or grooved lips for localized intensification of air draft
421 With auxiliary inlet for ambient air, e. g., vacuum relief
422 With guard to inhibit work entry into nozzle mouth

In *class 222, Dispensing* (Division 35)

T. L. STAM, *Classifier*

Plural sources, compartments, containers and/or with spaced jacket
144.5 With selecting means

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
15	2	15	301, 312, 314, 321
15	6	15	309, 364+
15	7	15	308, 310+, 344
15	8	15	354+, 368+, 383+
15	9	15	328+
15	10	15	363+
15	11	15	340, 347+, 354+, 363+
15	12	15	308
15	12	15	382
15	14	15	303, 345+
15	15	15	303+
15	16	15	354+
15	17, 18	15	341+
15	19	15	340, 347, 354+
15	20	15	312, 405+
15	104.045	15	316+
15	104.055	15	406, 407
15	155, 156	15	415+
15	157	15	401+
15	158	15	393+
119	84	15	314, 367, 401+
175	353	323	Various
225	23–25	137	69
		251	Various
		277	Various
		299	145, 146
225	26	137	69
		222	133, 144.5
225	27	226	128
		269	24
230	94	15	408, 409

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Source	
Class	*Subclass*	*Class*	*Subclass*
15	300+	15	1, 2, 4, 6–20, 90, 104.045, 104.055, 155–158, 257
		119	84
		230	94
222	144.5	225	26

IN THE DEFINITIONS

15, Brushing, Scrubbing and General Cleaning

abolish the definition of subclass 2,

in subclass 3, cancel the definition and substitute:

3. Apparatus under the class definition having means for contacting a work surface or object with an air blast and/or suction or with a beater, brush, broom, scraper, squeegee, wiper, shot or other non-abrasive type particulate or comminuted solid, or having means for shaking or vibrating the work, or any combination of the above, for the purpose of dislodging and/or removing unwanted foreign material therefrom, and the surface contact is accomplished by power or motion means other than or in addition to that which the apparatus would have if merely held or supported by the operator and manipulated or moved by him relative to the work.

(1) Note.—Subcombination or elemental devices apparently restricted in utility to use with machines under the above definition may be placed in this group of subclasses, such, for example, as the "nozzles" of air blast and/or suction cleaners which are found in subclasses 322 and 415+.

abolish the definitions of subclasses 6 through 20, 104.045, 104.055, and 155 through 158,

establish the following subclass definitions:

300. Devices under subclass 3 having claimed structure functioning to contact a work piece or work surface with a draft of air, steam, or equivalent gaseous fluid, for the purpose of dislodging and/or removing unwanted foreign material therefrom.

(1) Note.—In this and the indented subclasses, the term "air" is used generically to designate air, steam, or equivalent gaseous fluid.

(2) Note.—The draft of air need not be the primary cleaning or dislodging means; this and the indented subclasses include devices wherein means are provided for brushing, beating, shaking, or otherwise manipulating the work to dislodge the foreign material and wherein the draft of air acts to convey away the material so dislodged, or any part thereof, provided only that the draft of air must contact the work.

(3) Note.—Where an air draft is used as a means to feed material to or discharge material from an art device, the patent is in general classified with the device, even though a vacuum pick-up is used on an ambulant device; except that a gas separator of the class 183 type is classified in this class (15) if claimed in combination with means for applying an air-draft to a work piece or work surface.

(4) Note.—Where an air draft functions to perfect the operation of an art device, the patent is classified with the art device.

Search this class, subclass—
21 to **103**—for devices where a mechanical work contactor of the character there provided for delivers the foreign material to a place of collection not on the work surface and from which place an air draft is utilized to convey the material.

Search Class—
30—CUTLERY, especially subclass 124+, for cutlery devices combined with air blast or suction means for collecting or disposing of the severed material, and see (4) Note.
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, for gas and vapor contact for drying and see (3) Note in the main class definition of class 34 for further statement of the line.
43—FISHING, TRAPPING, AND VERMIN DESTROYING, subclasses 139+ and 141, for air-blast and/or suction devices disclosed solely for trapping and/or destroying insects.
128—SURGERY, particularly subclass 297+, for receptor devices employing a vacuum or pressure and specialized for the purposes of that class.
131—TOBACCO, subclass 244, for cleaning smoking devices by the use of an air draft.
230—GAS PUMPS AND FANS, for the gas pumping subcombination of an air blast or suction cleaner. This and the indented subclasses in class 15 take air or gas pumps claimed in combination with a suction or a blast applying nozzle means, disclosed for cleaning, and also take pumps disclosed solely for cleaning having claimed structure which functions to contact or engage the work to promote or perfect the cleaning operation.
299—FLUID SPRINKLING, SPRAYING, AND DIFFUSING. The line is as follows: This and the indented subclasses in class 15 take air, steam, or equivalent gaseous fluid spraying or blowing devices disclosed solely for cleaning combined with claimed means for handling or supporting the work being contacted by the discharged fluid, or combined with claimed cleaning devices such as brushes, scrapers, wipers, beaters, shotters, or the like. Class 299 takes nozzle devices per se of the character indicated in subclass 107+ in that class, even though disclosed solely for cleaning by the use of gaseous fluids, except that class 15 takes such nozzle devices where there is claimed structure which functions to contact or to engage the work being contacted by the fluid, such contact or engagement usually serving to promote or perfect the cleaning operation.
302—CONVEYORS, FLUID CURRENT, for apparatus for conveying material by a gaseous fluid including material pickup, not specialized for cleaning.

301. Cleaning apparatus under subclass 300 in which the apparatus as a whole, when completely assembled and operating as a cleaner, is non-mobile or fixed in position, or is installed in or attached to a structure for the cleaning thereof.

(1) Note.—The air-draft applying means may itself be mobile during the cleaning operation, so long as the air-pump or supply remains fixed, and either or both the air-draft applying means and air pump or supply may be detachable when not cleaning.
(2) Note.—In this and the indented subclasses are placed, for example, patents for vacuum cleaning systems installed in or on buildings, vehicles, or art devices or structures for the cleaning thereof and including only so much of the building, vehicle, or device as is necessary to the operation, support, or location of the cleaning apparatus, with respect to that portion of the building, vehicle, or device being cleaned.
(3) Note.—The line with class 122, LIQUID HEATERS AND VAPORIZERS, is: Class 122 takes air or steam cleaners for boiler structure where any part of the boiler or furnace structure is modified to cooperate with the cleaner for the support or functioning thereof and such modification is claimed. The same line is followed with classes 23, CHEMISTRY; 122, LIQUID HEATERS AND VAPORIZERS; 196, MINERAL OILS; 202, DISTILLATION; and 257, HEAT EXCHANGE. This and the indented subclasses in class 15 take soot blowers when disclosed as being the type usually permanently connected with a boiler or other heat exchanger but claiming no modification of the boiler or heat exchanger.
(4) Note.—Mere ventilating hoods or offtakes are not here included but in general are classified with the art device with which associated; see Search Classes below.

Search this class, subclass—
336—for convertible cleaners, mostly of the "Air-Way" type, having racks, brackets, or the like for supporting the cleaner while in use for off-floor cleaning.

Search Class—
23—CHEMISTRY, subclass 250.2, see (3) Note.
28—TEXTILES, see (2) Note.
30—CUTLERY, subclass 124+, for cutters combined with vacuum pick-up for the cuttings and see (2) Note above and (4) Note to subclass 1.
51—ABRADING, subclass 268+, and see (4) Note.
57—TEXTILES, SPINNING, TWISTING, AND TWINING, subclasses 34.5 and 56+, and see (2) Note.
98—VENTILATION, subclass 115, for hoods and offtakes generally and see (4) Note.
122—LIQUID HEATERS AND VAPORIZERS, subclass 379+, and see (3) Note.
126—STOVES AND FURNACES, subclass 142, and see (4) Note.
144—WOODWORKING, subclass 252, and see (4) Note.
196—MINERAL OILS, see (3) Note.
202—DISTILLATION, see (3) Note.
255—EARTH BORING, for devices for use with rock drills for collecting dust or sludge, and see (4) Note to subclass 1.
257—HEAT EXCHANGE, see (3) Note.

302. Apparatus under subclass 301 having means to apply a liquid and/or particulate or comminuted solid cleaning material to the work.

Search Class—
68—TEXTILES, FLUID TREATING APPARATUS, for apparatus for cleaning textile materials when using a liquid. For a complete statement of the line relative to class 68, see the reference to this class (15) in the note to the main class definition of class 68.

303. Cleaning apparatus under subclass 301 substantially permanently located and in which the work is handled, as by presenting it to a non-mobile cleaning station or device either by hand or by guiding or supporting or conveying means, or in which the work is confined in or attached to a carrier and is operated on by a draft of air while so confined or attached.

304. Cleaning apparatus under subclass 303 specially constructed to clean the interior surfaces of hollow work or of passages or cavities in the work.

Search this class, subclass—
406+—for manipulatable air-blast devices for cleaning hollow work such as boiler flues.

Search Class—
223—APPAREL APPARATUS, subclass 43, for air blast or suction devices for turning inside out articles of wearing apparel, bags, or tubular fabrics where there are no additional means for cleaning.

305. Cleaning apparatus under subclass 303 in which the work is tumbled about within a drum or cage which is mounted for rotation on a horizontal or inclined axis.

(1) Note.—The drum or cage may have vanes or the like to cause circulation or movement of air in contact with the contained work.

Search Class—
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 108+, for rotary drum driers.
51—ABRADING, subclass 163+, for rotary drum abrading tumblers.
68—TEXTILES, FLUID TREATING APPARATUS, subclass 20, for tumbler type textile washing machines including air drying.
69—LEATHER MANUFACTURES, subclass 30, for rotary drum for fluid treating apparatus.
131—TOBACCO, subclass 137, for rotary drum tobacco fluid treating apparatus.
209—CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS, subclass 295, for rotating drum sifters with pneumatic agitation means.

306. Cleaning apparatus under subclass 303 having means to guide or move the work to or through operative relation with the cleaning station or device.

Search this class, subclass—
310—for apparatus where the work is entirely manually guided and/or moved.

307. Apparatus under subclass 306 in which there are means for adjusting or allowing for various widths of work presented to the apparatus.

(1) Note.—The adjustment may be made on the air draft feature or on any component of the apparatus such as brushes or beaters.
(2) Note.—The work is usually running lengths of material.

308. Apparatus under subclass 306 in which the action of the air draft is supplemented by work-contacting or work-manipulating means for dislodging foreign material.

Search this class, subclass—
363+—for non-installed cleaners having air blast and/or suction and work agitator means.

309. Apparatus under subclass 308 having means for performing two or more diverse agitating operations on the work.

310. Cleaning apparatus under subclass 303 in which the work is manually moved to and held in operative relation with the cleaning station or device.

311. Apparatus under subclass 310 including a moving agitator such as a brush, a beater, a shaker or the like.

312. Apparatus under subclass 301 in which the air draft applying means is arranged for bodily ambulatory or translatory movement and is guided by structure attached to or made part of the building, vehicle, machine or device being contacted by the air draft.

(1) Note.—Devices such as reaction whirlers wherein a non-ambulatory air draft applying means is mounted for rotation about a fixed axis, are excluded from this subclass even though the air nozzles may be mounted at the outer ends of radially extending arms or the like.

Search Class—
299—FLUID SPRINKLING, SPRAYING, AND DIFFUSING, subclasses 47+ and particularly 55, for liquid spraying or sprinkling devices having ambulatory discharging means with relatively fixed guides.

313. Apparatus under subclass 301 installed in a vehicle such as an automobile or aircraft and designed to be used for the cleaning thereof.

(1) Note—The motion of the vehicle through the ambient air may be the source of power for pumping the air, or an air pump may be driven by some part of the vehicle or the pump may be self-reliant such as spring-motor operated.

Search this class, subclass—
340—for power propelled vehicles or carriers designed for transporting cleaning apparatus used for the cleaning of work other than the vehicle or carrier, for example, street cleaners.

314. Apparatus under subclass 301 in which a hand held or manipulatable air draft applying means is mounted on or carried by a flexible conduit connected to a relatively stationary air pump or source of air supply.

Search this class, subclass—
327—for mobile or portable "tank type" cleaning apparatus; that is, cleaners of the character defined above but wherein the air pump or supply is carried about by the operator, or is movable by the operator by force applied thereto through the flexible conduit.

315. Apparatus under subclass 314 having provisions for storing the conduit so that it can be extended from such storage position for application of the applying means to the work to be cleaned.

(1) Note.—Usually the conduit is stored on a reel or drum and is released for use by check-controlled apparatus; frequently the device is in a cabinet or the like suitable for placing in a washroom or entrance hallway for grooming clothing on a person.

Search this class, subclass—
323—for ambulatory cleaning devices having provisions for stowage of items such as air hose.

316. Apparatus under subclass 301 in which the sole cleaning agency is a draft of air from a source of higher-than-atmospheric pressure.

(1) Note.—Soot blowers are located in this and indented subclasses when disclosed as being of the type installed in a boiler but claiming no modification of the boiler; see the reference to class 122 in the Search Class below.

Search this class, subclass—
314—for soot-blowers having a flexible conduit between the air source and the applying means.
405—for cleaning apparatus utilizing an air blast as the sole cleaning agency and not fixed or installed.

Search Class—
122—LIQUID HEATERS AND VAPORIZERS, particularly subclass 390+, for fluid agency cleaning devices combined with boiler structure, and see the reference to class 122 under the definition of subclass 301 above for a statement of the line and reference to other classes involving cleaning of tube type heat exchanging apparatus. See (1) Note.

317. Apparatus under subclass 316 having provisions for cooling the blower element, as by a draft of air or steam, or in which the blower is retracted or folded against or embedded in the furnace wall in non-blowing position and is projected or moved therefrom during the cleaning operation, or is otherwise protected from the furnace heat.

318. Apparatus under subclass 316 in which the blower element is movable and the fluid supply control is interlocked therewith.

Search this class, subclass—
317—for blowers movable to blowing position from an embedded, retracted, or protected non-blowing position in which the means for operating the fluid supply valve is interlocked with the means for projecting and retracting the blowing nozzle.

319. Cleaning apparatus under subclass 300 having means continuously operative to sense a condition or change of conditions and functioning to operate or control the apparatus to establish and/or maintain a condition or operation thereof as a result of the sensing.

(1) Note.—The condition sensed may be the presence or absence of a work piece or portion thereof or may be a physical condition of the work such as thickness. However, work-operated or work-sensing devices are not considered to be automatic unless the operating or sensing functions are continuous. Thus, nozzle adjustments for ambulant floor-type vacuum cleaners which function in a cyclic manner to sense the surface of the rug or floor and to adjust the nozzle for the condition sensed, but which are effective only when the cycle is set in operation by the attendant, are considered to be non-automatic.

Search this class, subclass—
307—for installed or fixed position cleaners having work-operated or work-sensing controls.
354+—for nozzle adjusting means non-automatic in character, and see (1) Note above.

320. Cleaning apparatus under subclass 300 having means to apply liquid and/or particulate or comminuted solid cleaning material to the work.

(1) Note.—Many of these devices pick up the liquid or other cleaning material by air draft means, such pick-up being the only air draft contact with the work.

Search Class—
51—ABRADING, subclass 8+, for sand blast apparatus and see the search notes thereto for related art.

321. Cleaning apparatus under subclass 320 in which a hand manipulated work-contacting device is attached by flexible conduit means to a portable air pump and material supply unit.

(1) Note.—The air pump and material sppply unit is considered to be portable only if it is movable by a force applied thereto by the operator through the flexible conduit, or if it can be carried about by the operator, while the pump is operating so that the cleaning operation can be carried on continuously.

Search this class, subclass—
327—for similar devices without liquid or other cleaning material application.

322. Nozzle devices under subclass 320 having means to supply water or other cleaning material to the work.

Search this class, subclass—
415+—for other elemental cleaning devices in the form of air-draft applying nozzles.

323. Cleaning apparatus under subclass 300 (1) having stowage facilities, or (2) combined with a rack or cabinet to provide stowage facilities, for stowing items used in connection with the operation or maintenance of the cleaner.

(1) Note.—The items to be stowed may be separable, such as nozzles, or may be items such as electric cords normally attached to the cleaner.
(2) Note.—A rack or cabinet for stowing an entire cleaner and its accessory items is included here provided that the arrangement is such that the cleaner may be operated and used for clearing purposes while associated with the rack or cabinet.
(3) Note.—The line with class 211, SUPPORTS, RACKS, is that in order to be classified herein there must be claimed features of the association of the cleaner with the rack or cabinet which cause or permit the cleaning apparatus to function as a cleaner while associated therewith. The same line is followed with classes 280, LAND VEHICLES, and 312, SUPPORTS, CABINET STRUCTURES.

Search this class, subclass—
257—for racks or cabinets per se for air-draft cleaning apparatus wherein there are claimed features which function to permit operation of an air-draft cleaner while associated with the rack or cabinet.
301+—particularly 315, for cleaning apparatus built into a rack, cabinet, or other supporting structure for stationary or non-ambulatory service.
327—for tank-type cleaner organizations not associated with a rack or cabinet.
336—for supports for air-conducting tubular handle cleaners convertible from on-floor to off-floor operations.

Search Class—
191—ELECTRICITY, TRANSMISSION TO VEHICLES, for apparatus there provided for not restricted to air draft cleaning apparatus.
211—SUPPORTS, RACKS, see (3) Note.
242—WINDING AND REELING, for apparatus there provided for not combined with air draft cleaning apparatus.
280—LAND VEHICLES, see (3) Note.
312—SUPPORTS, CABINET STRUCTURES, see (3) Note.

324. Cleaning apparatus under subclass 300 having means to illuminate the work.

Search Class—
43—FISHING, TRAPPING, AND VERMIN DESTROYING, subclasses 139+ and 141, for air blast and/or suction devices disclosed solely for trapping and/or destroying insects where an illuminator functions to attract the insects.
240—ILLUMINATION, subclass 2, for vacuum cleaners with illuminating means, and see the definition and notes thereto for a statement of the line.

325. Cleaning apparatus under subclass 300 having means functioning to protect the nozzle or other parts thereof and/or to prevent marring of furniture or walls during normal use of the apparatus when it is moved into contact with the furniture or walls or the like.

Search this class, subclass—
45—for carpet sweepers (non-air-draft) having cushioning devices mounted thereon to prevent injury to furniture or walls in the operation of the sweeper.

Search Class—
293—VEHICLE FENDERS, subclass 60+ and particularly 71, for buffers or bumpers mounted on the body-frame or under-frame of a vehicle, cushioned or covered bumpers being found particularly in subclass 71.

326. Cleaning apparatus under subclass 300 having means specially designed to muffle the noise of the air being discharged by the air pump.

(1) Note.—So-called dust traps in the form of short tubes extending into a filter bag from the pump exhaust opening act in a degree as mufflers but have not been classified in this subclass unless the muffling function has been claimed.

Search Class—
181—ACOUSTICS, subclass 85+, for fluid conducting or guiding mufflers, per se.
230—GAS PUMPS AND FANS, subclass 232+, for mufflers combined with the air pump.

327. Cleaning apparatus under subclass 300 in which a hand manipulatable air draft applying means, with or without means for agitating the surface being cleaned, is attached by means of a flexible conduit to a portable air pumping unit or source of air pressure.

(1) Note.—The pump unit is considered to be portable only if it is movable by a force applied thereto by the operator through the flexible conduit, or if it can be carried about by the operator, while the pump is operating so that the cleaning operation can be carried on continuously.

Search this class, subclass—
314—for cleaning apparatus of this character wherein the pump unit or pressure source is relatively stationary and not movable by the operator while cleaning.
321—for tank type systems including the use of a supply of water or other cleaning material.

328. Cleaning apparatus under subclass 300, which, by addition or removal or change in position of parts, may be converted in whole or in part (1) to non-cleaning apparatus, or (2) to cleaning apparatus without air-draft means; also, cleaners capable of applying an air-draft in two or more distinct types of operations, each being exercised alternatively and selected by addition or removal or change in position of parts.

Search this class, subclass—
368+—particularly 373, for air-draft cleaners employing a work-contacting agitator which is adjustable to a position of non-contact.

329. Cleaning apparatus under subclass 328 which is self-contained and may be held in the hand and manipulated for cleaning upholstery and the like, and may be converted, as by the addition of a long handle, for example, for manipulation on a floor or rug by a walking attendant.

Search this class, subclass—
344—for non-convertible "upholstery" type cleaners.

330. Apparatus under subclass 328 having provisions for applying selectively and alternatively suction or air blast.

331. Cleaning apparatus under subclass 328 having a plurality of alternatively usable provisions for applying an air draft and including means to select one or more of such means.

(1) Note.—For the purposes of this and the indented subclasses, the provisions for applying may be a mere port or orifice or may include a flexible conduit with or without a cleaning tool on the working end; the selecting means may be a movable closure for a port.

332. Apparatus under subclass 331 in which means are provided for interlocking or connecting an agitator and/or air pump with the means for converting so that conversion or selection acts to initiate, stop or alter the operation of the agitator or air pump.

(1) Note.—In many patents in this and the indented subclass, the agitator is interlocked so as to preclude operation thereof in contact with the work except when a cleaning function including use of the agitator has been selected.
(2) Note.—Where an air draft diverter only is interlocked so as to be controlled by conversion or selection, the patent is classified below on other than the interlock feature, such as on the diversion feature in subclass 334+.

Search this class, subclass—
334+—for cleaners wherein a diverter valve functions to divert the air flow from one to another air-draft applying means. See (2) Note.

333. Apparatus under subclass 332 wherein the agitator is raised out of contact with the work.

334 Apparatus under subclass 331 having a floor nozzle as one of the air draft provisions and in which the conversion or selection results in diverting or cutting off the air flow through the floor nozzle.

335. Apparatus under subclass 334 having a tubular handle through which air may be caused to flow as a result of diverting or cutting off the flow through the floor nozzle.

336. Apparatus under subclass 335 having means in the nature of supports for rendering the apparatus more stable for use as an off-floor cleaner.

(1) Note.—The supports may be attached to and carried by the apparatus or may be in the nature of separate stands, brackets, or wall-mounted clips.

Search this class, subclass—
323—for complete cleaners combined with a rack or cabinet having stowage for nozzles, wands, hoses, or similar air-draft applying accessories.

337. Apparatus under subclass 334 in which the insertion or attachment of a separable, additive converter element results in diverting or cutting off the floor nozzle air flow.

(1) Note.—In some cases the converter element actuates mechanism which in turn operates a diverter or cut-off, while in other cases the element itself acts as a diverter or cut-off.

Search this class, subclass—
333—for additive converter elements which divert or cut off floor nozzle air flow and also cause the floor nozzle to be raised off the floor.

338. Cleaning apparatus under subclass 328 having a floor nozzle and an air-draft applying means conduit attachment for the open mouth of the nozzle.

339. Apparatus under subclass 300 in which the means for cleaning is combined with apparatus for other purposes and not provided for above.

(1) Note.—The combined features are other than power propulsion for ambulent cleaners (e. g., subclass 340), means to handle, store, or separate the dislodged dirt (e. g., subclass 347+), or mechanical work agitating means (e. g., subclass 363+).

340. Cleaning apparatus under subclass 300 in which power means are provided for propelling a mobile cleaner during cleaning operations.

(1) Note.—The power for propelling may be used also for operating the air pump and other operating elements.
(2) Note.—The tractive effort of a rotary or other moving work-contacting agitating element is not considered to be power propulsion.

341. Cleaning apparatus under subclass 300 in which the air pump or fan is operated by traction or by manual means.

(1) Note.—Manual means here includes use of any part of the human body such as legs or shoulders as well as hands and arms.

Search this class, subclass—
338—for traction operated work-contacting agitators where the claims do not include traction operation of the air pump.

342. Apparatus under subclass 341 in which the air pump is a rotary air impeller.

(1) Note.—Many of these devices include one-way drive means to permit continuous rotation of the impeller while the cleaner is moved forward and backward over the work surface.

343. Devices under subclass 342 in which the air impeller is rotated by hand-operated cranks or the like.

344. Cleaning apparatus under subclass 300 having air draft producing and applying means and a hand grip, and usually including dirt separating and/or storing means, wherein all the components are assembled into a rigid unit, the arrangement being such that when the apparatus is in use, it is (1) entirely supported by the operator, or (2) incapable of self-support in operative relation to the work if provided with a work-engaging carriage or mount so that it must be supported at least in part by means of the handle.

(1) Note.—These devices are the so-called "upholstery," "miniature," or "wand" types.

Search this class, subclass—
329—for hand portable cleaners convertible to floor-type cleaners.

345. Cleaning apparatus under subclass 300 functioning to apply at one time both an air blast and a suction to substantially the same area of work.

346. Apparatus under subclass 345 in which the cleaning air is recirculated in a substantially closed circuit, usually the intake side of the pump being the source of suction and the outlet side being the source of pressure.

347. Cleaning apparatus under subclass 300 having means for collecting or storing or handling the dislodged dust and dirt or for separating the dust and dirt from the air draft.

Search Class—
183—GAS SEPARATION, for air-dirt separating means even though claimed as vacuum cleaners where no air-draft applying means or other work-contacting cleaning means is included in the claims; and see (3) Note to the definition of subclass 300 in this class (15).
302—CONVEYORS, FLUID CURRENT, for fluid current conveying apparatus not particularly adapted for cleaning. The line is largely one of disclosure.

348. Apparatus under subclass 347 having means other than the air stream acting to assist in conveying the dirt set in motion by the air draft or by other dirt dislodging means.

Search Class—
302—CONVEYORS, FLUID CURRENT, subclass 11+, for fluid current conveyers combined with other types of conveyors.

349. Apparatus under subclass 347 having a rotary or other moving agitator and having pans, trays, or the like for catching the heavier dirt particles which have been set in motion initially by the movement of the agitator but which cannot be entrained or removed by the air stream.

Search this class, subclass—
348—for conveying means acting in addition to the air stream, the conveyor generally handling heavier and/or larger particles while the lighter particles remain entrained in the air stream.

350. Hand manipulated apparatus under subclass 347 having a manipulating handle and an air-dirt separator, the separator being mounted on or attached at least in part to the handle.

(1) Note.—The separator and handle may be integrally constructed.

Search this class, subclass—
344—for hand held or wand type cleaners wherein the dirt separator is usually mounted on or attached to the hand grip portion of the cleaner.

351. Apparatus under subclass 350 in which the handle is pivotally or otherwise movably mounted with respect to the air-stream outlet of the air-draft applying means, the arrangement requiring flexibility of the separator or of its connection to the exhaust outlet or to the handle.

352. Apparatus under subclass 347 having provisions for cleaning the filter or other separator elements while assembled in the apparatus.

Search Class—
183—GAS SEPARATION, particularly subclasses 35+, 52+, and 76, for gas separator apparatus cleaning.

353. Apparatus under subclass 347 having liquid and/or deflection type separators.

354. Cleaning apparatus under subclass 300 having an air-draft applying nozzle supported on a work-contacting carriage or mount, the nozzle being movable with respect to the carriage or mount.

(1) Note.—The carriage or mount must be other than or in addition to the nozzle lips, i. e., in addition to that portion of the nozzle defining the work-contacting area of the air draft.
(2) Note.—The movement of the nozzle may result in adjusting the vertical height or the lateral disposition thereof.

Search this class, subclass—
333+—for cleaners convertible from on-floor to off-floor cleaning in which the nozzle is raised when converted to off-floor cleaning.
405+ and 415+—for devices such as tube cleaners having means functioning to engage the work for non-adjustably positioning the nozzle relative thereto.
418—for nozzles per se having provisions for adjusting the area of the mouth.

Search Class—
280—LAND VEHICLES, subclass 43+, for adjustable running gear for air-draft cleaning apparatus where no air-draft applying means is claimed.

355. Apparatus under subclass 354 including a mechanical agitator which is adjustable relative to the nozzle.

Search this class, subclass—
356—for nozzle supported agitators which are biased into contact with the work. The adjustment of the nozzle results in a simultaneous adjustment of the agitator.
368+—for agitators adjustable with respect to the nozzle but including no claimed feature of adjustability of the nozzle.

356. Apparatus under subclass 355 having a work-contacting agitator and in which adjustment of the nozzle also causes adjustment of the agitator.

(1) Note.—Included in this subclass are patents for devices wherein a nozzle-supported agitator is biased into contact with the work surface, the result being that adjustment of the nozzle necessarily effects an adjustment of the agitator relative thereto.

357. Apparatus under subclass 354 in which the nozzle adjustment is determined by the air pressure differential between the ambient atmosphere and the interior of the nozzle.

Search this class, subclass—
319—for nozzle adjustment continuously controlled by a sensing device continuously responsive to the air pressure in the nozzle.

358. Apparatus under subclass 354 having means functioning to sense the elevation of the plane of the covering or work surface with respect to the support-contacting plane of the nozzle mount and to adjust the nozzle to a predetermined or optimum elevation based on the sensed elevation.

(1) Note.—Where the sensing is continuous and the adjustment is continuously controlled thereby, the operation is regarded as being automatic and the patent is classified in subclass 319.

Search this class, subclass—
319—see (1) Note.
362—for cleaners wherein the nozzle height is controlled as a function of the surface penetration of the nozzle mount but the nozzle is not adjusted relative to the mount.

359. Apparatus under subclass 354 in which the nozzle is biased or urged toward an extreme position with respect to the work surface, or is so mounted as to float, that is, follow the contour of irregular surfaces.

(1) Note.—The bias or floating feature must be continuously operative; where there is provided means to hold or retain the nozzle in a fixed position, the patent is classified in other subclasses of this group.

360. Apparatus under subclass 359 in which the nozzle is biased or urged away from contact with the work.

(1) Note.—Usually, downward pressure on the nozzle exerted through the manipulating handle, results in adjusting or varying the nozzle height.

361. Apparatus under subclass 354 having a manipulating handle and in which the nozzle adjustment is controlled or operated by movement relative to the cleaner of the handle or means carried by or attached to the handle.

362. Cleaning apparatus under subclass 300 having a nozzle supported on, and non-adjustable or fixed with respect to, a work-contacting carriage or mount, the work-contacting portion of the mount being constructed and arranged to compensate for or prevent penetration into carpet pile or other yielding surfaces to thereby maintain the nozzle at optimum or substantially uniform spacing from the top of the pile.

363. Cleaning apparatus under subclass 300 of the kind adapted to be moved about over the surface being cleaned having, in addition to air draft applying means, means for brushing, beating, shaking, or otherwise contacting and agitating the work to dislodge and/or remove unwanted foreign material.

(1) Note.—Since nozzle lips usually have a floor covering pile agitating or deflecting action, the mere recitation of such is not considered to be significant agitator structure; but where the nozzle lips are modified to enhance their action as an agitator, classification will be in this or the indented subclasses.

Search this class, subclass—
303 + —for fixed position cleaners having work agitating means.
332 + —for cleaners convertible from on-floor to off-floor cleaning having an agitator and in which the agitator is disabled when converted to off-floor cleaning.
404—for devices wherein the air flow is pulsated to cause agitation of the work, there being no other work-contacting means.

Search Class—
30—CUTLERY, subclass 124 +, for cutlery devices combined with air blast or suction means for collecting or disposing of the severed material, as in plaster cast cutting devices.

364. Apparatus under subclass 363 having means for performing two or more diverse agitating operations on the work.

(1) Note.—The agitating operations need not be performed simultaneously.
(2) Note.—Association of an agitator of the stationary type, as defined in subclass 393 below, with a movable agitator is considered a diverse operations type for the purposes of this and the indented subclasses.

365. Apparatus under subclass 364 having provisions for selecting the operation of any one or more of the diverse agitating means, to the exclusion of the non-selected operations.

(1) Note.—An air draft must be utilized with each mode of operation; if a selected agitating operation is performed without an air draft, the device is considered to be convertible within the definition of subclass 328; see section (2) therein.

Search this class, subclass—
328—see (1) Note.
373—for cleaners wherein the entire agitating means may be retracted to a position of non-use.

366. Apparatus under subclass 364 in which the agitating is performed by rotary means only.

367. Apparatus under subclass 364 in which the only agitating means claimed are relatively fixed, that is, having no movement during cleaning except that due to translation of the cleaner relative to the work.

Search this class, subclass—
393—for non-diverse type stationary agitators.

368. Apparatus under subclass 363 in which the agitating means is movable relative to the air draft applying means for the purpose of adjusting its effectivity.

(1) Note.—Complete retraction of the agitating means to a position of non-use is included in this and indented subclasses.

Search this class, subclass—
355 + —for devices where the nozzle also is adjustable with respect to its mount.

369. Apparatus under subclass 368 wherein the position of the agitating means with respect to the nozzle is changed in response to translational movement of the nozzle as in forward and backward strokes used in cleaning floors.

370. Apparatus under subclass 368 having a rotary agitator and including provisions for adjusting the work-contacting elements radially.

(1) Note.—The radial adjustment usually is to compensate for wear on the work-contacting elements.

Search this class, subclass—
179 + —particularly subclasses 182 and 183, for rotary agitators per se having radially adjustable work-contacting elements.

371. Apparatus under subclass 368 in which the agitating means is yieldingly mounted with respect to the nozzle and biased outwardly thereof into contact with the work in normal positions of use during cleaning.

372. Apparatus under subclass 371 in which the agitating is performed by rotary work-contacting elements.

373. Apparatus under subclass 368 in which the agitating means may be adjusted to a position of non-use, that is, out of contact with the work during normal cleaning use.

Search this class, subclass—
332—for convertible cleaners embodying an agitator interlock whereby conversion to off-floor cleaning also acts to retract the agitator.
365—for means for adjusting one of a plurality of diverse type agitation to a non-use position.

374. Apparatus under subclass 363 in which the agitator contacts the work along a line generally oblique to the normal path of movement of the cleaner.

375. Apparatus under subclass 363 having air inlet means functioning to admit ambient air to the nozzle when the nozzle is in normal operating position with respect to the work, the additional air being other than that drawn through the work at the nozzle or drawn through the space between the work and the nozzle lips.

(1) Note.—The auxiliary air inlet generally functions to supply a quantity of air for moving the dirt dislodged by the agitator particularly when the main air draft through the nozzle mouth is severely reduced by sealing contact of the nozzle mouth with relatively non-porous work.
(2) Note.—The auxiliary air may function to operate air-driven turbines or the like.

Search this class, subclass—
421—for auxiliary air inlets to nozzles having no agitating means.

376. Apparatus under subclass 375 in which the auxiliary air is admitted at such locations that it serves to sweep off or protect from dust and dirt agitator bearings and drive mechanism.

377. Apparatus under subclass 363 in which the driving motor for the agitator is separate from the motor driving the air pumping means.

378. Apparatus under subclass 363 having a guard to inhibit or prevent flexible work such as a rug being drawn into the nozzle and into too close contact with an agitator in the nozzle.

Search this class, subclass—
422—for nozzles per se having work guards.

379. Apparatus under subclass 363 wherein the lips of the air-draft applying nozzle have vibratory motion.

(1) Note.—The entire nozzle may be vibrated, or there may be flexible lips with means to vibrate them.

380. Apparatus under subclass 363 in which the agitator moves in a plane generally parallel to flat work surfaces when the cleaner is in normal use position.

(1) Note.—There must be motion of the agitator relative to the work other than that due to translational motion of the cleaner relative to the work.

381. Apparatus under subclass 363 in which the agitator is mounted for oscillating or to and fro arcuate movement to effect tangential contacting of the work surface.

(1) Note.—Where the agitator rotates through more than 360°, the patent is classified on the basis of a rotary agitator in subclass 383 + even though such rotation be periodically reversed or stopped.

Search this class, subclass—
382—for pivotally mounted agitators functioning to strike a blow against the work with little, if any, tangential or sweeping motion on the work.
383 + —see (1) Note.

382. Apparatus under subclass 363 in which the agitator moves generally perpendicular to the work surface to deliver a blow for dislodging the dirt from the work.

(1) Note.—The agitator may move rectilinearly or pivotally, but in the latter case, there must be no appreciable component of movement parallel to the work surface.

Search this class, subclass—
379—for vibrating nozzle type agitator.

383. Apparatus under subclass 363 in which the agitating means has a rotary motion.

Search this class, subclass—
179—for rotary brushes per se, not limited to vacuum cleaner organizations.
366—for rotary agitating devices performing diverse agitating functions.
381—for agitators mounted for rotary motion but which are restrained to oscillating or rotary to and fro motion of not more than 360°.

384. Apparatus under subclass 383 having a plurality of distinct agitating units arranged in tandem with respect to the usual path of motion of the cleaner while in use.

385. Apparatus under subclass 383 in which the axis of rotation is non-parallel to the work surface.

(1) Note.—Usually the agitator is a radial face or disc type but this subclass also includes those agitators whose axis of rotation is at an acute angle with respect to the work surface.

386. Apparatus under subclass 383 in which the work-contacting element is mounted on the agitator body to turn about an axis spaced from the axis of rotation of the body.

(1) Note.—The elements need not be the sole work contacting means; the body on which they are mounted may in itself also contact the work.

Search this class, subclass—
366—for similar arrangements where diverse agitating operations are performed.

387. Apparatus under subclass 383 in which the agitator is rotated by a draft of air.

(1) Note.—The air used for driving the agitator may be distinct from that used for contacting the work.

Search this class, subclass—
375—for rotary agitators driven by a draft of ambient air admitted other than at the work-contacting portion of the nozzle.
382—for air-current operated striking beater type agitators.

388. Apparatus under subclass 383 in which the agitator is rotated by traction derived from translation of the cleaner over the work.

(1) Note.—There may be a traction wheel or the like with power transmitting means to the agitator, or the agitator may be rotated solely by its contact with the work surface.
(2) Note.—The linear velocity of the agitator may be equal to or greater or less than the translational speed of the cleaner with respect to the work.

389. Apparatus under subclass 383 in which the inventive feature resides in the drive means for imparting rotation to the agitator.

390. Apparatus under subclass 389 having a clutch or other drive disconnect means.

Search this class, subclass—
332 + —for cleaners convertible from on-floor to off-floor cleaning having agitators and in which the agitator drive is disabled when the cleaner is converted to off-floor cleaning.

391. Apparatus under subclass 389 having means for protecting the driving means such as belts from damage due to contact with the work or to dust, lint, etc.

(1) Note.—It is not necessary that the entire run of the belt be protected.

392. Apparatus under subclass 389 in which the inventive feature resides in the agitator support or bearings.

Search this class, subclass—
376—for agitator bearings in which a draft of air functions to clean the bearing.

393. Apparatus under subclass 363 in which the means for agitating is stationary relative to the cleaner and has no motion relative to the work except that which results from moving the cleaner bodily.

Search this class, subclass—
369—for stationary agitators which shift position bodily in the cleaner in response to forward and backward strokes of the cleaner while in use.

394. Apparatus under subclass 393 having opposed facing work contacting means arranged to be circumposed about the work.

395. Apparatus under subclass 393 having bristles or other work contacting means arranged to present diverging or oppositely extending work contacting surfaces.

(1) Note.—The cleaner is usually used between two work surfaces such as the slats of a "Venetian" blind.
(2) Note.—If a plurality of work contactors of the type covered by the above definition are assembled in a unitary device, the resulting device will be one which has opposed working surfaces in addition to those oppositely extending; this organization is not classified in this subclass but is placed above, in subclass 394.

Search this class, subclass—
394—see (2) Note above.

396. Apparatus under subclass 393 in which the air draft applying means includes a hollow head or manifold having a plurality of openings in the face or surface usually presented to the work, the agitating means being associated with the same face.

397. Apparatus under subclass 396 having tubular air ducts communicating with the manifold openings and interspersed throughout the working face of the apparatus.

398. Apparatus under subclass 393 in which the agitator is in the form of a bristle brush or broom.

(1) Note.—For a definition of bristle brush or broom, see subclass 159.

(2) Note.—The subclasses immediately preceding have many patents showing bristle brushes in the special arrangements there provided for; those patents have not been cross-referenced down into this and the indented subclasses; therefore the search to be complete must include the preceding subclasses.

Search this class, subclass—
394—see (2) Note.
395—see (2) Note.
396 + —see (2) Note.

399. Apparatus under subclass 398 in which there is included means to prevent undue spreading of the bristles and/or to form an air seal or shroud to minimize or prevent air flow through the bristles except at or adjacent to the point of contact with the work.

Search this class, subclass—
168 + —for bristle bridles in cleaning implements having no provisions for applying an air draft to the work.

400. Apparatus under subclass 398 in which the agitator is designed as an attachment to be readily attached to or detached from a nozzle or similar air-draft applying means.

(1) Note.—The nozzle may be specially constructed to cooperate with the attaching means.

401. Apparatus under subclass 393 in which the agitator is in the form of a relatively thin blade-like member which contacts the work edgewise and acts to scrape or squeegee the contacted surface.

(1) Note.—This and indented subclasses include patents wherein the nozzle lips are specially constructed or arranged to act as scrapers or squeegees.

Search Class—
30—CUTLERY, subclass 136 +, for knives and scrapers having material holder or disposal means.

402. Apparatus under subclass 401 in which the agitator is serrated or toothed and functions much like a comb or rake.

(1) Note.—Patents for tooth-type brushes, that is with relatively widely spaced teeth in lieu of bristle tufts, are classified here even though having a planar working face.

403. Apparatus under subclass 393 in which the agitator is of the dry mop type, that is, of strands of flexible and usually absorbent material.

(1) Note.—Sheep felt is included herein.
(2) Note.—Wipers not of the strand type, such as felt members, are not considered to be dry mops for this subclass and are found in the subclasses above.

404. Cleaning apparatus under subclass 300 having provisions for pulsating the air flow, the effect generally being to agitate the work such as the nap of a pile rug or the like.

(1) Note.—This subclass includes patents for nozzles having a plurality of air passages with means to apply the air draft successively to the passages, the effect as to any one passage being a pulsating or intermittent air flow even though there is a more or less constant air flow through the nozzle as a whole.

405. Cleaning apparatus under subclass 300 in which the sole cleaning agency is a draft of air from a source of higher-than-atmospheric pressure.

(1) Note.—An air blast device claimed as part of a non-cleaning device or process is classified with such device or process, for example, sand blast abrading is classified in class 51, ABRADING.

Search this class, subclass—
316 + —for installed or fixed position cleaners using air blast only.
330—for cleaners convertible to or from suction and air-blast.
345—for cleaners utilizing both air blast and suction.

Search Class—
51—ABRADING, subclass 8 +, for sand blasting apparatus and see the notes to the definitions thereof for related art. (See (1) Note.)
122—LIQUID HEATERS AND VAPORIZERS, particularly subclass 390 +, for fluid agency cleaning devices combined with boiler structure, and see the reference to class 122 under the definition of subclass 301 above for a statement of the line and reference to other classes involving cleaning of tube type heat exchanging apparatus.
230—GAS PUMPS AND FANS, for the gas pumping subcombination of an air blast cleaner. For a statement of the line, see the reference to class 230 in the definition of subclass 300 of this class (15).
299—FLUID SPRINKLING, SPRAYING, AND DIFFUSING for sprinkling or spraying devices of general utility. For a statement of the line, see the reference to class 299 in the definition of subclass 300 of this class (15).

406. Apparatus under subclass 405 especially adapted for cleaning the inside of hollow work.

(1) Note.—Many of these devices could be used for other than internal cleaning, but peculiarities such as, for example, radially outwardly directed air streams, or tapered nozzles or other devices for co-operating with the open ends of pipes, if disclosed as intended for internal cleaning, will be sufficient to cause classification in this or the indented subclasses.

Search this class, subclass—
409—for nozzle devices embodying a jet pump for inducing a flow of air through a tube.

407. Apparatus under subclass 406 wherein the air blast is controlled by a valve unseated by the pressure of the device against the work.

Search this class, subclass—
104—for non-air blast nozzle devices having a work-operated valve.

408. Apparatus under subclass 406 having provisions whereby the fluid blast induces a flow of ambient air into the tube or other hollow work at the same end of such tube or work as the power fluid is applied.

(1) Note.—The fluids may or may not commingle; in many cases the disclosure is that the induced fluid cleans the outermost end of the tube while the power fluid cleans the remainder.

(2) Note.—Patents for two-tube cleaners wherein a blast of air is directed into one tube and the blast is also used to induce a flow in an adjacent tube are classified in subclass 406 above.

409. Cleaning apparatus under subclass 300 in which the air-draft is induced by a fluid jet.

Search this class, subclass—
408—for air blast cleaning devices where the blast induces a flow thereinto of the ambient air.

Search Class—
230—GAS PUMPS AND FANS, subclass 92+, for jet pumps for producing suction at an inlet member, and for a statement of the line see the reference to class 230 in the definitions of subclass 300 of this class (15).
302—CONVEYORS, FLUID CURRENT, particularly subclass 58 for fluid current conveyor intake nozzles.

410. Cleaning apparatus under subclass 300 having a handle and in which the invention resides in the relation of the handle to the apparatus.

(1) Note.—This subclass includes locks and latches for handles whereby the handle may be secured in a position convenient for storage.

Search this class, subclass—
143+—for handles per se adapted for use with cleaning implements and devices.
329—for hand portable cleaners convertible to on-floor cleaners by the addition of a long handle or the like.
344—for miniature or upholstery type or wand type air draft cleaners having carrying and manipulating handles.
350—for hand-manipulated cleaners having a handle wherein a dust bag or the like is associated with the handle.
361—for cleaners having adjustable nozzles wherein movement of the handle relative to the cleaner acts to adjust the nozzle.

Search Class—
183—GAS SEPARATION, for air vacuum or blast cleaners claiming a handle and air separating means such as a filter but including no cleaning feature.
306—TOOL-HANDLE FASTENINGS, for handles for vacuum cleaners where no work-contacting cleaning feature or air-handling or pumping means is claimed.

411. Devices under subclass 410 in which the handle is so joined to the air draft applying device that by rotating or twisting the handle about its main longitudinal axis either or both (1) the angular position of the device is changed with respect to the axis of the handle, or (2) the device is bodily displaced laterally from the axis of the handle.

412. Cleaning apparatus under subclass 300 claiming a motor and in which the invention resides in the relation of the motor to the apparatus.

(1) Note.—This subclass includes patents for cleaner casings or housings specially fabricated as from stampings or castings to facilitate assembly with the motor.

413. Apparatus under subclass 412 including provisions for causing a draft of air other than the entire main cleaning air stream to contact the motor for cooling or ventilating.

(1) Note.—Patents in which the motor merely is located in the main air stream are excluded from this subclass. Such arrangements generally are found in "tank type" cleaners, see subclass 327 for example.

414. Cleaning apparatus under subclass 300 in which the air-draft applying nozzle means is detachable and/or is extensible.

Search this class, subclass—
328+—where the nozzle is removed or rendered inoperative for the purpose of converting the operation of the cleaner, the conversion feature being claimed.

415. Elemental cleaning devices or nozzles under subclass 300 constructed and arranged particularly for applying suction to a work piece or work surface for the cleaning thereof.

Search this class, subclass—
322—for nozzle devices having means to supply water or other cleaning materials to the work.
405+—for air blast nozzles and see the notes thereto for related art and a statement of the line with other classes.
410—for nozzles having a handle attached thereto for manipulating or steering the nozzle.

Search Class—
302—CONVEYORS, FLUID CURRENT, subclass 58, for fluid current conveyor intake nozzles.

416. Nozzles under subclass 415 having a plurality of distinct mouths alternatively and selectively usable for applying the air draft to the work.

417. Nozzles under subclass 416 having oppositely facing or diverging nozzle mouths and in which the nozzle unit is arranged so that one of the mouths can be brought selectively into a working position wherein the air-draft flows therethrough, the other mouths being isolated or cut off from the air flow.

418. Nozzles under subclass 415 in which the area of the nozzle may be varied or restricted.

Search this class, subclass—
416+—for nozzles wherein the area of one mouth is restricted by bringing into use a smaller mouth mounted therein.

419. Nozzles under subclass 415 having means to regulate the quantity or to cut off the flow of air therethrough.

Search this class, subclass—
328—for nozzles having agitators or the like wherein the air flow may be cut off to convert the nozzle into a non-air-draft device.
407—for air blast cleaning devices having a work-operated valve.

420. Nozzles under subclass 415 in which the work-contacting lips have re-entrant portions functioning to provide a locally intensified inrush of air between the work surface and the nozzle lip.

Search this class, subclass—
402—for nozzles having lips specially constructed or arranged to act as combs, or rakes, the construction being such that the air distribution is generally uniform throughout the nozzle with no locally intensified inrush of air.

421. Nozzles under subclass 415 having air inlet means functioning to admit ambient air to the nozzle when the nozzle is in normal working position with respect to the work, the additional air being admitted to the nozzle other than through the work or between the work and the nozzle lips.

(1) Note.—The air inlet may serve only as a vacuum relief device but usually the additional air assists in dislodging dirt from the work surface.

Search this class, subclass—
375+—for auxiliary ambient air inlets in organizations including an agitator.

422. Nozzles under subclass 415 having means other than or in addition to the nozzle lips acting to hinder or to prevent the work being drawn into the nozzle.

Search this class, subclass—
378—for mouth guards applied to nozzles having an agitator therein.
391—for devices acting to protect the belt of a belt-driven agitator, which incidentally may act also to prevent the work being drawn into the nozzle at that point.
401+—for nozzles incorporating therein a blade-like member functioning as a scraper or squeegee, the positioning of such blade within the nozzle having the effect of acting also to prevent the work being drawn into the nozzle.

24, Buckles, Buttons, Clasps, Etc.

cancel the definition of subclass 124 and substitute:

124. Subject matter under subclass 123 comprising a nut cooperating with a sleeve to compress the sleeve and thereby effect a clamping of the cord or the like.

30, Cutlery

in subclass 133, cancel the note, and the reference thereunder.

34, Drying and Gas or Vapor Contact with Solids

in subclass 92, in (5) Note, in the reference to class 15, cancel "subclass 15 and indented subclasses" and substitute: *subclass 300+, for air blast and/or suction cleaning apparatus.*

in subclass 160, cancel notes 1 through 4, and add:

Search this class, subclass—
15—for chamber sealing by a fluid stream, and see the notes thereto.
156—for apparatus where the blast guides or floats the web.

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 300+ and particularly 303+, 316+, and 405+, for blast or suction removal of foreign material such as water from a work piece, and see the reference to class 15 in (3) Note in the main class definition of this class for a statement of the line.

43, Fishing, Trapping, and Vermin Destroying

in subclass 139, cancel the notes 1 through 4, and add:

Search this class, subclass—
113—for insect trapping devices using an illuminator; the combination of a suction device with illuminating means is classified in subclass 139 and cross-referenced in subclass 113.

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 300+, for air blast and/or suction devices not limited to insect trapping or catching.

in subclass 141, cancel (1) Note and (2) Note, and add:

Search this class, subclass—
113—for insect trapping devices using an illuminator; the combination of a blast device with illuminating means is classified in subclass 141 and cross-referenced in subclass 113.

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 300+, for air blast and/or suction devices not limited to insect trapping or catching.

51, Abrading

in subclass 174, under "Search Class" in the reference to class 15, cancel "5+, 7+," and after "machines" add:

, and subclass 300+ for such machines combined with air blast and/or suction application to the floor

57, Textiles, Spinning, Twisting and Twining

in subclass 56, under "Search Classes" in the reference to class 15, cancel "20 and" and after "160" insert:

for brush devices specially constructed for removing lint from spinning or twisting machines, and 301+ for air blast and/or suction devices for the same purpose and see (2) Note to subclass 301 for a statement of the line.

in subclass 145, change "filaments" to: *strands.*

99, Foods and Beverages

in the class definition under (18) Note, cancel "and 225, Dispensing Beverages,".

in subclass 79, cancel (6) Note, and substitute:

(6) Note.—Class 99, Foods and Beverages, subclass 275, takes apparatus for mechanically charging or carbonating liquids in combination with means to incorporate a flavoring material therewith to form a beverage.

in subclass 275, under "Search Classes" in the reference to class 225, cancel "and other".

103, Pumps

in subclass 6, under "Search Classes" cancel the reference to class 225.

119, Animal Husbandry

in subclass 83, insert:

(1) Note.—Groomers are usually distinguished from currycombs in that the former are usually constructed with soft rubbing or brushing elements or with a wide pneumatic nozzle, in each case the function being that of removing material loosely adhering to the animal, while the latter is provided with more or less rigid teeth or with plain or serrated knife-like bars designed to dislodge or loosen dirt, hair, filth, or vermin closely adhering to the epidermis, the grooming process usually involving (1) the use of the currycomb and (2) the use of brushes or similar grooming devices.

and under "Search Class" in the reference to class 15, after "indented subclasses" insert:

and for the combination of a currycomb or grooming device with air blast and/or suction means where the air draft is applied to the surface being combed or groomed, see subclasses 314+ for installed devices and 364+ for plural diverse type and 401+ for simple, single type combs and groomers

and add:

183—GAS SEPARATION, for dust collectors, dust traps, and devices for purifying the atmosphere.

abolish the definition of subclass 84,

in subclass 95, cancel "the fecal droppings" and substitute: *excrement such as dung and urine*

and add:

Search Class—
128—SURGERY, subclass 275+, particularly 283 and 295 for receptors.

122, Liquid Heaters and Vaporizers

in the class definition, under "(5) Search Classes" in the reference to class 15,

after "subclasses" insert:

for pipe and tube cleaners generally, 314, 316+, and 406+ for pipe and tube cleaners and boiler tube blowers using air or steam blast and/or suction.

and cancel the reference to class 230,

in subclass 379, under "(2) Search Classes" cancel the reference to class 230.

in subclass 390, cancel the second sentence and substitute:

Search this class, subclass—
361—for structure of headers with cleaners for water tube boilers.

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, see the reference to this class (15) in "(5) Search Class" in the main class definition.

in subclass 391, in "(1) Search this class" after "392" change the comma to a period and cancel the remainder of the note,

in subclass 392, in the second sentence, after "391" change the semicolon to a period and cancel the remainder of the note.

128, Surgery

in subclass 283, add:

Search Class—
119—ANIMAL HUSBANDRY, subclass 95, for mere receptacle-type manure pouches for use on animals.

in subclass 295, add:

Search Class—
119—ANIMAL HUSBANDRY, subclass 95, for mere receptacle-type urine pouches for use on animals.

131, Tobacco

in subclass 244, cancel the note and add:

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclasses 304, 316+, 395, and 406+, for air blast and/or suction devices for cleaning hollow work other than smoking devices.

132, Toilet

in subclass 12, cancel notes 0.5, 1, and 2, and add:

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclasses 122–140.4, for brushes, wipers, and other applicators combined with material supply, 344 and 402, for combs and the like having an air blast and/or suction applying means.
128—SURGERY, subclass 24+, for massage devices in general, 172+ for devices for applying a medicament to the scalp.

134, Cleaning and Liquid Contact with Solids

in the class definition, in "(5) Index to Preceding Notes" cancel the reference to class 230,

in subclass 8, under "Search Class" in the reference to class 15, cancel "7, 14, 15, and 20," and add: *304, 316+, 395, and 406+,*

in subclass 21, under "Search Class" cancel the reference to class 15 and substitute:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 300+, for air blast and/or suction cleaning apparatus.

and cancel the reference to class 119.

166, Wells

in subclass 16, in (1) Note, cancel the reference to class 230.

195, Chemistry, Fermentation

in subclass 107, under "(2) Search Classes" in the reference to class 225, change "6, 8 and 24" to: *6 and 8*.

202, Distillation

in subclass 241, under "(3) Search Classes" cancel the reference to class 230.

222, Dispensing

in the class definition, under "4. Gas or Vapor Dispensers" under "Search Class" cancel the reference to class 15, and substitute:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 300+, for air blast and/or suction cleaning devices.

in "19. Puncturing Injectors and Other Nozzles, Spouts and Pouring Devices" under "Search Class" in the reference to class 15, cancel "155+" and substitute: *322 and 415+*,

in the reference to class 137 add:

See also subclass 69 for combinations of a nozzle with a valve when not including other structures provided for in this or some other class.

cancel the reference to class 225, and insert in numerical order:

259—AGITATING, subclass 18+, and particularly subclass 24, for nozzles or faucets having mechanical agitating structure combined therewith.

in the reference to class 299, add:

See also appropriate subclasses, and particularly subclass 141+, for all nozzles or faucets including claimed structure capable of selectively delivering either a high pressure stream or a low pressure stream.

in "24. Miscellaneous Notes . . . Definition" in the reference to class 225, cancel "sec. 19",

in the reference to class 259, after "9" insert: , *19*,

in subclass 129, under "Search Class" cancel the reference to class 225,

establish the following subclass definition:

144.5. Dispensers under subclass 129 having means common to a plurality of the sources, compartments, or containers, to dispense selectively from one or more of said sources, compartments or containers.

Search this class, subclass—
133—for similar selecting means combined with structure for delivering a measured quantity from one of the sources of material, and an indeterminate quantity from another, or selectively from one of the sources.

in subclass 459, insert:

(1) Note.—This subclass includes dispensers having fixed structure which inhibits compacting of the material in the vicinity of the outlet by providing a space into which the material may spread, such as a downwardly diverging side wall or a laterally disposed connecting compartment, so that pressure at the outlet is reduced and bridging or compacting is prevented.

223, Apparel Apparatus

in subclass 43, under "Search Class" cancel "subclasses 14, 15 and 20" and substitute: *subclass 304*,

in subclass 93 add:

Search this class, subclass—
90 and 91—for clamp type garment hangers in combined form.

in subclass 96 add:

Search this class, subclass—
90 and 91—for clamp type garment hangers in combined form.

230, Gas Pumps and Fans

in the class definition, under (4) Note, in the reference to class 15, change "1–20" to: *300+*,

in subclass 46, under "(2) Search Classes" in the reference to class 15, cancel "subclass 9" and add:

subclasses 328+ and particularly 331+, for air blast and/or suction cleaners having plural means selectively operable for applying the air draft.

abolish the definition of subclass 94.

242, Winding and Reeling

in subclass 118, under "Search Classes" cancel the reference to class 28.

255, Earth Boring

in subclass 50, cancel the note and the reference thereunder and substitute:

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 348, for air blast and/or suction cleaning devices having a conveying means for the dust and dirt in addition to the cleaning air draft.

in subclass 60, cancel (1) Note and (2) Note and substitute:

Search this class, subclass—
24+—for earth boring rigs having means for utilizing a fluid for loosening, softening, or removing the earth from the bore hole.
49+—for rock drilling machines utilizing a fluid for removal of cuttings from the hole.

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 104.03+, for pipe and tube cleaners other than air blast or suction, and subclasses 304, 316+, 395, and 406+, for devices for cleaning hollow work by air blast and/or suction means.
122—LIQUID HEATERS AND VAPORIZERS, subclass 390+, for fluid jet devices for cleaning boilers of soot and ashes.

259, Agitating

in subclass 89, cancel "(2) Search Class" and the reference thereunder.

299, Fluid Sprinkling, Spraying, and Diffusing

In the class definition, at the end of the first paragraph add the following paragraph:

There are also included in this class, and especially in subclass 141+, claimed structures capable of selectively delivering different types of streams, as in fire hose nozzles, or carbonated beverage faucets, and this feature determines classification in this class unless some specialized class makes special provision therefor. Thus, in the case of a beverage faucet, even the inclusion of measuring means or means to select a chosen flavor does not indicate classification outside of class 299, if means to selectively form either a coarse or fine stream is claimed.

302, Conveyors, Fluid Current

in subclass 11, under "Search Classes" cancel the reference to class 15, and substitute:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 348, for air blast and/or suction cleaning devices having a conveying means for the dust and dirt in addition to the cleaning air draft.

in subclass 17, under the note, cancel the reference to class 15, and substitute:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, particularly subclasses 335+ and 347+, for cleaning apparatus including fluid current conveyor features.

and cancel the reference to class 119,

in subclass 58, under "Search Classes" cancel the reference to class 15, and substitute:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclasses 322 and 415+, for nozzles for air draft and/or suction cleaning apparatus.

and cancel the reference to class 119.

312, Supports, Cabinet Structures

in subclass 31, under "(3) Search Classes" insert in numerical order:

65—KITCHEN AND TABLE ARTICLES, subclass 45, for salt shakers having hygroscopic material.

318, Electricity, Motive Power Systems

cancel the definition and notes to subclass 20, which subclass was abolished in Classification Order No. 21,

in subclass 23.5, under "Search Class" cancel the references to classes 171 and 175 and add:

323—ELECTRICITY, VOLTAGE MAGNITUDE AND PHASE CONTROL SYSTEMS, appropriate subclasses, for miscellaneous systems for controlling the output of electrical energy by means of a smaller quantity of electrical energy.

323, Electricity, Voltage Magnitude and Phase Control Systems

in the class definition in "XI. Conversion Systems" under "Search Class" in the reference to class 250, change "timers" to: *tuners*.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I. Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 12,720 through 13,028) are part of Schedule 2, Groups 28; 32.

Detailed information concerning specific abstracts should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

Patents Relating to Chlorohydrocarbons

Pat. 1,869,826. Separating Plant for Solutions in Volatile Solvents. Aug. 2, 1932. In a degreasing system, especially a vapor degreaser, an apparatus and method for regenerating solvent, such as trichloroethylene, from a mixture containing grease and for automatically ejecting grease residue from the solvent regenerator.

Pat. 1,869,845. Cleaning of Articles. Aug. 2, 1932. Metal to be cleaned is carried on a continuous carrier through a vapor degreaser (trichloroethylene), an acid pickling bath and finally through a rinsing bath.

Pat. 1,878,276. Composition of Matter. Sept. 20, 1932. Allyl alcohol added to methyl chloride in a refrigeration system to act as a warning agent in case of leakage.

Pat. 1,879,893. Refrigeration Composition. Sept. 27, 1932. Chloropicrin is added to methyl chloride for refrigeration systems to act as a warning agent in case of leakage.

Pat. 1,885,988. Quality Grading. Nov. 1, 1932. Sink-and-Float grading process utilizing a horizontally flowing stream of parting liquid.

Pat. 1,886,034. Odorant for Refrigeration. Nov. 1, 1932. The methyl, ethyl tertiary butyl and isopropyl esters of bromacetic acid are used as a warning agent for refrigerants such as methyl chloride.

Pat. 1,904,450. Stabilization of Halogenated Hydrocarbons. Apr. 18, 1933. Amylene as stabilizer for chlorohydrocarbons such as di-, tri- and perchloroethylene, tetrachloroethane, and methylene chloride.

Pat. 1,905,817. Odorant for Refrigeration. Apr. 25, 1933. Alkyl mercaptans, e. g. ethyl mercaptan, as warning agent for hydrocarbon and chlorohydrocarbons used as refrigerants.

Pat. 1,905,900. Process for Vapor Recovery. Apr. 25, 1933. Chlorohydrocarbon vapors (trichloroethylene) recovered by adsorption on dehydrated alumina gel.

Pat. 1,905,968. Methods and Apparatus for Cleaning Articles Particularly Metallic Goods. Apr. 25, 1933. Reissued May 11, 1937; Re. 20,359. Metal articles are traversed on a conveyor through a vapor solvent heavier than air, e. g. dichloroethylene, which is continuously supplied by heating a solvent body in the apparatus. Upper parts are cooled to prevent solvent loss and solvent is purified by distillation.

Pat. 1,907,875. Methods and Apparatus for Cleaning Articles. May 9, 1933. An apparatus for degreasing articles such as motor car parts which first vapor degreases and then subjects the articles to the action of a spray of hot liquid solvent. Trichloroethylene preferred as solvent.

Pat. 1,911,926. Improvements in Cleaning Baths Employing Volatile Solvents. May 30, 1933. A degreasing apparatus for vapor degreasing featuring a means for confining an air cushion between the vapor solvent and the ambient air.

Pat. 1,915,354. Manufacture of Chloroform. June 27, 1933. Acetaldehyde or acetone is flowed together with an excess of Ca hypochlorite solution to produce chloroform.

Pat. 1,925,602. Stabilized Solvent. Sept. 5, 1933. Chlorohydrocarbons, e. g. trichloroethylene, perchloroethylene and chloroform, are stabilized with triethylamine.

Pat. 1,938,841. Degreasing Systems. Dec. 12, 1933. A degreasing apparatus or system suitable for employing trichloroethylene featuring a vapor bath with a means to provide desired level of vapor and permitting continuous and rapid degreasing.

Pat. 1,978,010. Dewaxing of Oil. Oct. 23, 1934. Lubricating oil is treated with methylene chloride and the resulting mixture cooled to separate the wax. Isolation of the oil from the CH_2Cl_2 leaves an oil of low pour point.

Pat. 1,996,717. Stabilization of Halogenated Hydrocarbons. Apr. 2, 1935. Coffee extract and caffeine stabilize chlorohydrocarbons (trichloroethylene).

Pat. 2,008,680. Stabilization of Halogenated Hydrocarbons. July 23, 1935. Trichloroethylene, tetrachloroethane, and methylene chloride stabilized with phenols such as hydroquinone, p-cresol, resorcinol, etc.

Pat. 2,016,376. Cleaning Process. Oct. 8, 1935. Metal articles are cleaned and degreased by condensing thereon vapors of a high boiling solvent, then immersing the hot article in a liquid bath of a low boiling solvent so that evolution of vapors occurs on the surface of the article.

Pat. 2,024,749. Preparation of Halogenated Ethers. Dec. 17, 1935. Alpha-halogenated aliphatic ethers are reacted with olefines to give gamma-halogenated higher ethers. Metal chlorides, e. g. $BiCl_3$, $ZnCl_2$, etc. are used as catalysts.

Pat. 2,037,419. Manufacture of Halogenated Hydrocarbons. Apr. 14, 1936. Perchloroethylene is chlorinated in absence of light in liquid phase and in presence of a catalyst (I_2, $AlCl_3$, $FeCl_3$, $SbCl_3$) to produce hexachloroethane which is separated by vacuum distillation.

Pat. 2,053,271. Rubber Products. Sept. 8, 1936. Production of rubber products by reacting rubber with a chloromethyl ether.

Pat. 2,070,908. Dry Cleaning Compositions. Feb. 16, 1937. A soap, especially for use in dry cleaning with trichloroethylene, containing a polyglycol as blending agent.

Pat. 2,097,442. Process of Chlorinating 1,1-Dichlorpropene-1. Nov. 2, 1937. Chlorination of 1,1-dichlorpropene-1 to produce 1,1,1,2-tetrachlorpropane.

Pat. 2,110,842. Weed Killing Process. Mar. 8, 1938. Chlorohydrocarbons as weed killers.

Pat. 2,111,043. Dehydrochlorination of 1,1,1,2-Tetrachlorpropane. Mar. 15, 1938. 1,1,2-trichlorpropene-1 is prepared by the reaction of 1,1,1,2-tetrachlorpropane with a base.

Pat. 2,116,437. Dry Cleaning Process. May 3, 1938. Dry cleaning process using 1,1,2-trichlorpropene-1 as solvent.

Pat. 2,116,438. Degreasing Solvent. May 3, 1938. Use of 1,1,2-trichlorpropene-1 as a degreasing solvent, either alone or mixed with other solvents.

Pat. 2,119,484. Chlorination of Propylene Dichloride. May 31, 1938. Production of trichloropropane. Chlorination of propylene dichloride to produce 1,1,2- and 1,2,3-trichloropropane. Iron and ultra-violet light are catalysts.

Pat. 2,123,434. Process of Cleaning. July 12, 1938. Heat exchangers cleaned by forced circulation of a liquid solvent, e. g. trichlorethylene.

Pat. 2,125,381. Stabilization of Chlorinated Compounds. Aug. 2, 1938. Trichloroethylene is stabilized with triphenylguanidine.

Pat. 2,134,102. Dehydrochlorination of 1,1,2-Trichlorpropane. Oct. 25, 1938. 1,1,2-trichlorpropane is converted to 1,1-dichlorpropene-1 by splitting off HCl by means of alkali treatment or by means of a catalyst in the vapor phase.

Pat. 2,139,964. Dielectric Liquids. Dec. 13, 1938. Use of chlorinated cyclic hydrocarbons, e. g. tri-, tetra-, and penta-chlorethyl benzene as dielectric liquids.

Pat. 2,140,519. Chlorohydrocarbon Emulsion. Dec. 20, 1938. Lauryl amine and lauryl amine hydrochloride are utilized as emulsifying agents in the preparation of stable dilute emulsions of tetrachlorethane in water.

Pat. 2,142,995. Dry Cleaning System. Jan. 10, 1939. Spherical container for dry cleaning having two axes of rotation in a gimbel type mounting.

Pat. 2,150,899. Method of and Apparatus for Isolating Minerals. Mar. 21, 1939. Coal (minerals in general) containing indigenous impurities is immersed in a moving parting liquid (halohydrocarbon) of suitable density and coal and impurities are separated from the liquid, then scrubbed with water to remove parting liquid from the solids. Both apparatus and process claimed.

Pat. 2,150,917. Process of and Apparatus for Separating. Mar. 21, 1939. Concerns an apparatus and process for rapidly classifying coal (minerals in general) by transporting coal containing indigenous impurities in a moving halogenated hydrocarbon until a gravity classification is effected.

Pat. 2,150,918. Classification System. Mar. 21, 1939. A method and apparatus for separating coal from slate involving the use of the horizontal classifying action of a moving stream of water and the subsequent vertical classifying effect of a still body of liquid of intermediate specific gravity.

Pat. 2,150,946. Classification System. Mar. 21, 1939. A method and apparatus for separating coal from slate involving the use of the horizontal classifying action of a moving stream of water and the subsequent vertical classifying action of a moving stream of liquid of intermediate specific gravity.

Pat. 2,151,578. Method of and Apparatus for Isolating Minerals. Mar. 21, 1939. Covers the use of film stabilizers in aqueous solution for wetting coal and other indigenous impurities, prior to treatment with a parting liquid (Sink-and-Float process). The film stabilizers, such as emulsoid colloids, glucosides, etc. prevent loss of parting liquor by adherence to the coal.

Pat. 2,153,577. Process of Degreasing. Apr. 11, 1939. Degreasing metals with a solvent containing oleic acid to dissolve soaps and cutting oils.

Pat. 2,155,723. Stabilization of Trichloroethylene. Apr. 25, 1939. Trichloroethylene is stabilized with p-tert-butyl phenol or p-tert-amyl phenol.

Pat. 2,162,326. Safety Device. June 13, 1939. Safety valve for use with chlorhydrocarbon dry cleaning equipment having a ball float which operates to shut off solvent supply when solvent of less than a specified specific gravity enters float chamber.

Pat. 2,171,499. Dry Cleaning Machine. Aug. 29, 1939. Spherical container for articles in a dry cleaning system mounted in an outer container in such manner that the sphere can be rotated on two separate axes each independent of the other.

Pat. 2,171,855. Dielectric Compositions. Sept. 5, 1939. Dielectric compositions comprising mixtures of tri-, tetra-, and pentachlorisopropyl benzene.

Pat. 2,174,289. Dielectric Diluent. Sept. 26, 1939. A product essentially tetrachlorisopropylbenzene, prepared by chlorinating isopropylbenzene is used as a diluent and freeze point depressant for a dielectric mixture of tetra- and pentachlorethylbenzene.

Pat. 2,179,218. 1,1,1-Trichloropropane and Method of Preparation. Nov. 7, 1939. Ethyl chloroform is prepared by reacting 1,1-dichlorpropene-1 with hydrogen chloride in the presence of $AlCl_3$.

Pat. 2,183,835. Valve. Dec. 19, 1939. Valve for mixture of solids and liquid comprising a flexible tube with clamping members.

Pat. 2,183,837. Process and Apparatus for Extraction. Dec. 19, 1939. Process of extracting oils from solid materials with solvents such as chlorhydrocarbons involving crushing the material in the presence of the solvent and filtering the solution through incoming solid material.

Pat. 2,185,639. Heat Transfer Process. Jan. 2, 1940. Chlorinated ethyl benzenes, e. g. tetrachlorethylbenzene and pentachlorethylbenzene, as heat transfer agents.

Pat. 2,186,028. Refrigeration Process. Jan. 9, 1940. Triphenyl guanidine used as oxidation inhibitor in lubricating oil in refrigerator compressors for methyl chloride to prevent "copper plating".

Pat. 2,193,823. Chlorinated Aromatic Hydrocarbons. Mar. 19, 1940. Pentachlorostyrene prepared by dehydrochlorination of alpha-chloroethylpentachlorobenzene; which in turn is prepared by chlorination of ethylpentachlorobenzene.

Pat. 2,193,957. Apparatus for Washing. Mar. 19, 1940. Apparatus and process for separating parting liquid (halogenated hydrocarbons) from the surfaces of coal (minerals in general) and separated solids. Solids supported on a shaker screen are washed with strong streams of H_2O, the apparatus being hermetically sealed, and parting liquid is separated from the water.

Pat. 2,202,418. Classification System. May 28, 1940. Sink-and-Float apparatus with means for separating stream of classifying liquid into upper and lower channels which have endless screen belts for liquid discharge.

Pat. 2,208,758. Process of Classifying Minerals. July 23, 1940. Coal to be separated from indigenous impurities by the parting liquid method is first treated with an aqueous solution of an agent (e. g. starch acetate, CH_2O-naphthalene sulfonic acid condensation product, etc.) which forms an insoluble compound with the "active agent" which is to be used prior to treatment with the parting liquid. This method reduces the losses of parting liquid on coal.

Pat. 2,221,538. Classification System. Nov. 12, 1940. Sink-and-Float mineral separation apparatus, separate discharges for sinks and floats at top and bottom of a heavy liquid tank.

Pat. 2,228,014. Classification System. Jan. 7, 1941. Mineral classification system including a conical chamber for parting liquid, a hydraulic aspirator for ejecting solids from apex of said chamber and means for removing floating solids.

Pat. 2,253,102. Method of Reducing Shrinkage of Wool. Aug. 19, 1941. Shrinkproofing wool and keratinous fabrics generally by means of alpha-halogenated ethers, e. g. dichlordimethyl ether.

Pat. 2,257,389. Recovery of Levulinic Acid. Sept. 30, 1941. Extraction of levulinic acid with methylene chloride.

Pat. 2,264,390. Apparatus for Extraction. Dec. 2, 1941. Method and apparatus for extraction of oils, fats or waxes using a solvent, e. g. trichloroethylene or perchloroethylene, whose density is greater than that of the oil being extracted. Particularly relates to extraction of soya bean oil.

Pat. 2,266,840. Analysis of Minerals. Dec. 23, 1941. Apparatus for determining the ash content of coal by a sink-and-float separation method.

Pat. 2,268,146. Dielectric Compositions. Dec. 30, 1941. Dihydronaphthalene or a dimer thereof is used as a stabilizer for dielectric compositions comprising chlorinated aromatic compounds, particularly polychlorethylbenzenes.

Pat. 2,277,053. Apparatus for Recovery of Liquids from Solids. Mar. 24, 1942. A settling tank or separator for use in recovering parting liquid in mineral separation processes.

Pat. 2,278,906. Liquid Storage and Handling System. Apr. 7, 1942. System for storing and handling parting liquids for use in conjunction with mineral separation apparatus. The system includes a metering device between interconnected storage reservoirs.

Pat. 2,280,794. Purification of Tetrachloroethylene. Apr. 28, 1942. Perchloroethylene is refluxed with aqueous caustic to convert impurities such as beta-trichloroethylene and asymmetrical tetrachloroethane, to dichloroethylene and trichloroethylene which can be separated by fractional distillation.

Pat. 2,286,985. Analysis of Gas Mixtures. June 16, 1942. Photoelectric method and apparatus for detecting vapors, e. g. trichloroethylene, in air.

Pat. 2,290,758. Trichlorostyrene and Method of Preparing the Same. July 21, 1942. Chlorination of ethyltrichlorobenzene to monochloroethyltrichlorobenzene and conversion of the latter to trichlorostyrene.

Pat. 2,290,759. Tetrachlorostyrene and Method of Preparing the Same. July 21, 1942. Chlorination of ethyltetrachlorobenzene to monochloroethyltetrachlorobenzene and conversion of the latter to tetrachlorostyrene.

Pat. 2,291,375. Preparation of 2-Chlorobutene-2. July 28, 1942. Preparation of 2-chlorobutene-2 ex 2,3-dichlorobutane by dehydrochlorination with aqueous caustic or lime.

Pat. 2,308,489. Manufacture of Halogenated Olefines. Jan. 19, 1943. Substitution halogenation of olefines by reacting an olefine with a hydrogen halide and oxygen in presence of an oxidation catalyst at 250–600° C. For example, di-, tri-, and perchloroethylene are produced from ethylene, HCl and O_2 using CuO catalyst.

Pat. 2,311,507. Shrinkproofing Process. Feb. 16, 1943. Improvement in woolen textiles by treatment with a chlorinating agent such as N,N'-dichloro-5,5-dimethyl hydantoin dissolved in a solvent comprising dioxane.

Pat. 2,316,669. Dry Cleaning System and Method of Dry Cleaning. Apr. 13, 1943. Inner clothes container and outer casing of a dry cleaning system have fans so adjusted and controlled that regulated removal of dry cleaning solvent is secured without excessive removal of natural moisture of articles treated.

Pat. 2,317,112. Cleaning Composition. Apr. 20, 1943. A dry cleaning and degreasing composition comprising a liquid chlorinated aliphatic hydrocarbon solvent and an N-hydroxyalkylamide of an aliphatic monobasic monocarboxylic acid.

Pat. 2,321,923. Apparatus for Extraction. June 15, 1943. Weir discharge arrangement on an extraction apparatus for discharging miscella so as to prevent clogging of the screen at the point of discharge.

Pat. 2,327,174. Preparation of Halogenated Olefines. Aug. 17, 1943. Substitution halogenation of olefines by reacting an olefine with a halogen and oxygen in the presence of an oxidation catalyst at 250–600° C. For example, di-, tri-, and perchloroethylene are produced from ethylene, Cl_2 and O_2 using CuO catalyst.

Pat. 2,334,015. Solvent Recovery Apparatus. Nov. 9, 1943. Drier and steamer assembly for removing residual solvent from extracted meal.

Pat. 2,342,100. Preparation of Unsaturated Halogenated Aliphatic Hydrocarbons. Feb. 22, 1944. Preparation of unsaturated aliphatic halogenated hydrocarbons, e. g. perchloroethylene, trichloroethylene, or vinyl chloride by passing a mixture of oxygen and an aliphatic halogenated hydrocarbon, e. g. tetrachlorethane, beta-trichlorethane or ethyl chloride, containing at least two H atoms and two to four C atoms over an oxidation catalyst, e. g. metal oxides and particularly copper oxide, at 300–600° C.

Pat. 2,342,414. Method for Transmitting Power and Fluid Agent Therefor. Feb. 22, 1944. Power transmission fluids comprising a mixture of ethyl polychlorbenzene and trichlorbenzene.

Pat. 2,355,508. Dry Cleaning System. Aug. 8, 1944. Dry cleaning apparatus having a washer in an outer casing. The clothes washer is provided with special "Z" shaped imperforate partition to form two separate compartments.

Pat. 2,361,072. Manufacture of Trichloroethylene. Oct. 24, 1944. Trichloroethylene is produced from tetrachloroethane by heating the latter in the presence of a nitrogen base, e. g. triethylamine or quinoline.

Pat. 2,374,923. Manufacture of Unsaturated Halogenated Hydrocarbons. May 1, 1945. Substitution halogenation of an unsaturated aliphatic halide containing two to four C atoms by reaction with a hydrogen halide and oxygen in the presence of an oxidation catalyst.

Pat. 2,379,414. Manufacture of Unsaturated Halogen-Containing Compounds. July 3, 1945. Substitution halogenation of unsaturated aliphatic halides containing two to four carbon atoms by reaction with a halogen and oxygen in the presence of an oxidation catalyst at 200–600° C.

Pat. 2,396,788. Reaction and Products Therefrom. Mar. 19, 1946. Bis (polyhalovinyl) sulfides are produced by reacting a halogenated open chain olefine having at least two halogen atoms on the doubly bonded carbons and a hydrogen atom on at least one of said carbons (e. g. trichloroethylene) with sulfur monochloride in the presence of a Friedel-Crafts catalyst (preferably aluminum chloride). Dehydrohalogenation occurs during distillation of the reaction products.

Pat. 2,404,096. Chlorinated Methylene-Bis-Dimethyl Hydantoin. July 16, 1946. N,N'-dichloro-(methylene-bis-dimethyl hydantoin), a new product by reacting chlorine with methylene-bis-dimethyl hydantoin in a dilute aqueous alkaline medium.

Pat. 2,412,389. Halogenated Organic Compounds. Dec. 10, 1946. Nuclear chlorinated xylylene dichlorides containing from one to four nuclear substituted chlorine atoms and method for their production by reacting paraxylene with chlorine in the presence of a chlorination catalyst and then reacting the resulting product with chlorine in the presence of actinic radiation.

Pat. 2,414,704. Process for Shrinkproofing Wool. Jan. 21, 1947. Process of shrinkproofing wool by use of aqueous solutions of an N-chlorohydantoin of pH 1-3.

Pat. 2,422,255. Rinse Compositions. June 17, 1947. A germicidal rinse composition containing 1,3-dichloro-5,5-dimethyl hydantoin, 5,5-dimethyl hydantoin, sodium dodecylsulfate and sodium dihydrogen phosphate.

Patents Relating to Cyanides and Electroplating

Pat. 1,841,978. Tin Plating. Jan. 19, 1932. About 1.6 moles of alkali per mole of alkali stannate plus an additional amount of 0.2 to 0.4 moles of alkali is maintained in the electrolyte for the electrodeposition of tin.

Pat. 1,852,856. Process of Producing Cyanide. Apr. 5, 1932. Sodium calcium cyanide produced at 1400° C. by introducing the reactants (e. g. CaC_2, plus Na or Na-producing compound, or CaC_2 plus N_2 plus NaCN) beneath surface of molten Na-Ca cyanide at such rate that reaction occurs before loss of volatile materials.

Pat. 1,905,304. Cyanide Process. Apr. 25, 1933. Sodium cyanide produced by reacting $CaCN_2$ with carbon and Na at about 1000° C. according to the equation: $CaCN_2$ plus C plus 2Na equals 2NaCN plus Ca.

Pat. 1,908,319. Evolution of Hydrocyanic Acid from Calcium Cyanide. May 9, 1933. A fumigant mixture of $Ca(CN)_2$ and anhydrous NH_4CN, the latter to accelerate evolution of HCN.

Pat. 1,909,042. Calcium Cyanide. May 16, 1933. Unslaked lime is suspended in liquid HCN in presence of accelerating amounts of H_2O to form calcium cyanide.

Pat. 1,914,843. Process for Heat Treatment of Non-Cementable Metals. June 20, 1933. Non-cementable alloys containing zinc are heat treated in a salt bath containing charcoal and an alkali metal cyanide.

Pat. 1,915,425. Process for the Manufacture of Cyanate. June 27, 1933. Urea is reacted at elevated temperatures in absence of solvent with an alkali metal carbonate or hydride to produce alkali metal cyanates.

Pat. 1,919,000. Process for Electrodeposition of Tin. July 18, 1933. Ratio of caustic alkali to alkali metal stannate concentration in a tin plating bath is lowered by addition of a weak acid and hydrogen peroxide or a percompound.

Pat. 1,937,629. Black Finishing Metal Articles. Dec. 5, 1933. Black finishing of chromium plated articles is accomplished by treatment in molten salt bath containing an alkali or alkaline earth cyanide.

Pat. 1,943,580. Process for Conducting Catalytic Reactions. Jan. 16, 1934. Method used in regulating reaction temperature in catalytic production of ammonia. Fresh reactant gas is injected at right angles to flow of gas in reaction space and as it enters the zone it dilutes the partially reacted gas.

Pat. 1,947,570. Treatment of Sodium Calcium Cyanide. Feb. 20, 1934. Na-Ca cyanide is treated with liquid NH_3 which dissociates it and extracts the NaCN leaving $Ca(CN)_2$.

Pat. 1,950,879. Preparation of Calcium Cyanide. Mar. 13, 1934. CaO is suspended in an inert, non-aqueous liquid such as ether and HCN is added. Reaction to produce $Ca(CN)_2$ is accelerated by small amounts of H_2O and NH_3.

Pat. 1,950,899. Manufacture of Hydrocyanic Acid. Mar. 13, 1934. Mixture of a cyanide and a sulfite in solution treated with acid to simultaneously evolve HCN and stabilizing amounts of SO_2.

Pat. 1,961,569. Process of Producing Cyanide. June 5, 1934. Calcium cyanide is produced ex CaC_2 by mixing CaC_2 with a fluxing material, e. g. NaCl, melting the mixture and causing portions of the fused material to be repeatedly raised and freely dropped in an N_2 atmosphere.

Pat. 1,962,091. Case Hardening. June 5, 1934. Boron compounds such as B_2O_3 are added to alkali metal cyanide case hardening baths to decrease the carburizing action and increase the nitriding action. Bath may be used on iron or plain carbon steel as well as on alloy steels.

Pat. 1,966,253. Manufacture of Cyanides. July 10, 1934. Alkali metal cyanides are produced by passing HCN, NH_4CN or formamide, over an alkali metal carbonate, removing H_2O and/or NH_3 and/or CO_2 from off-gas and recirculating residual gas.

Pat. 1,970,852. Process and Composition for Treating Metals. Aug. 21, 1934. Ferrous metal articles are case hardened in a bath containing 30–60% $NaCl_2$ and more than 10% NaCN.

Pat. 1,971,149. Purification of Molten Metal. Aug. 21, 1934. Copper or copper alloys are treated in the molten state with copper cyanide to effect deoxidation or desulfurization after which the melt is degasified.

Pat. 1,977,210. Process for the Preparation of Thiourea. Oct. 16, 1934. CO_2 is passed into an aqueous solution of Ca cyanamide to form Ca cyanamide carbonate which is then reacted with H_2S to form thiourea.

Pat. 1,977,440. Manufacture of Lead Sulfocyanide. Oct. 16, 1934. Alkali metal sulfocyanide solution is treated to precipitate carbonate ferrocyanide and sulfide impurities, after which the purified solution is treated with a soluble lead salt to produce pure lead sulfocyanide.

Pat. 1,979,214. Case Hardening. Oct. 30, 1934. 20–30% or more of strontium salts is melted with NaCl to form an eutectic mixture to which 1–15% of alkali metal cyanide is added to give a non-scumming case hardening bath.

Pat. 1,984,415. Preparation of Cyanhydrins. Dec. 18, 1934. In the production of cyanhydrins from aldehydes or ketones and HCN (e. g. lactonitrile ex CHO and HCN) the cyanhydrin is used as reaction medium.

Pat. 1,996,065. Fumigant. Apr. 2, 1935. $Al_2(SO_4)_3$ and a cyanide are reacted with H_2O to evolve HCN. Composition may also contain Portland cement, plaster of Paris or CaO and light oil or a lower alcohol.

Pat. 2,000,134. Manufacture of Hydrocyanic Acid. May 7, 1935. HCN produced ex NH_3, hydrocarbons and carbon, by heating the mixture of gases with air to 400–1000° C., then passing the mixture through carbon at 1100–1500° C. Reaction heat maintained by oxidation of reactants, principally the carbon which is also a catalyst.

Pat. 2,003,745. Gas Generator for Fumigation. June 4, 1935. Gas generator for forming gas by reacting a solid with a liquid.

Pat. 2,004,130. Cyanide Process and the Product. June 11, 1935. Sodium-calcium cyanide is produced by heating crude calcium cyanamide with Na or NaCN to about 1400° C. and rapidly cooling.

Pat. 2,004,332. Treating Solids with Liquid. June 11, 1935. For fumigating a pulverant mixture of alkali cyanide with anhydrous $Al_2(SO_4)_3$ is suspended on cheese cloth. Porosity of the cloth permits addition of H_2O from beneath to generate HCN without leaving unwetted material or pasty mass.

Pat. 2,015,406. Generation of Toxic Gas. Sept. 24, 1935. Mixture of $Al_2(SO_4)_3$ and an alkali cyanide is reacted with water to evolve HCN for fumigation. Chalk, talc, sil-o-cel, wheat, bran, sawdust, etc., used as residue conditioners.

Pat. 2,015,668. Manufacture of Alkali Metal Cyanides. Oct. 1, 1935. Sodium cyanide and calcium carbide are produced by reacting calcium cyanamide with Na and C at 700–1000° C.

Pat. 2,029,826. Dehydration of Solutions. Feb. 4, 1936. Cyanide solutions are evaporated in a stream of inert gas by contacting the solution at a suitable rate with a surface the temperature of which is maintained above the boiling point of the solution so that instantaneous evaporation is effected.

Pat. 2,031,790. Method of Cooling Molten Material. Feb. 25, 1936. Method of rapidly cooling molten cyanide by impinging on a moving surface inclined from the horizontal (e. g. an inclined drum or endless belt).

Pat. 2,042,527. Process for Nitriding. June 2, 1936. A fused salt bath containing NaCN and as the active constituent an alkali metal cyanamide is used in nitriding steel at 400–600° C. without appreciable carburization.

Pat. 2,042,549. Process of Removing Water from Cyanide. June 2, 1936. Cyanide solutions containing more than 28% NaCN are evaporated by applying the solution in a thin film to a surface (e. g. rotating drum) heated above the boiling point of the solution so that evaporation is rapid. Produce is scraped from the surface.

Pat. 2,049,806. Carburization of Ferrous Metals. Aug. 4, 1936. Iron or steel articles are case hardened by treatment in a fused salt bath to which is added non-metallic carbon-nitrogen compounds, e. g. HCN polymer, hexamethylenetetramine, oxamide, cyanogen, alkyl amines, etc., at carburizing temperatures, e. g. 800–900° C.

Pat. 2,055,136. Process of Producing White Cyanide by Fusion. Sept. 22, 1936. Cyanide containing free carbon is heated to about 1200° C. to oxidize the carbon, then cooled slowly to near the melting point to produce a white fused product.

Pat. 2,062,609. Fumigating Gas Generator. Dec. 1, 1936. Gas generator for reacting a solid with a liquid to produce gas.

Pat. 2,069,543. Process of Polymerizing Hydrocyanic Acid and Product Thereof. Feb. 2, 1937. Production of HCN polymer ex aqueous solutions of HCN in the presence of a catalyst, e. g. NH_3 or NaOH.

Pat. 2,075,623. Zinc Plating. Mar. 30, 1937. Ductile zinc plated from purified cyanide bath at high current efficiencies.

Pat. 2,078,014. Screen Manufacture. Apr. 20, 1937. Wire screen having the wires soldered at intersecting points produced by electroplating and heat-treating out of contact with air, e. g. tin-plated screen is dipped in hot tallow.

Pat. 2,078,868. Electroplating Process. Apr. 27, 1937. Bright electroplated deposits of fusible metals, e. g. Sn, Cd, Zn, Pb, are produced by etching the base metal with acid, treating with an alkaline solution, electroplating and heat treating at a temperature above the fusion point of the plated metal in a non-oxidizing medium, e. g. in a tallow bath.

Pat. 2,078,869. Electroplating Process. Apr. 27, 1937. Production of alloy coatings by electrodepositing a layer of low m. p. metal (e. g. Sn), then depositing a thin layer of high m. p. metal (e. g. Cu) and heating to alloy the plated layers.

Pat. 2,085,543. Process for Coating Metals. June 29, 1937. Bright tin plate obtained by electroplating tin containing nickel or copper and then heat treating.

Pat. 2,101,704. Insecticidal Composition. Dec. 7, 1937. A copper cyanide composition capable of forming stable emulsions in water for insecticidal uses is prepared by precipitating CuCN in the presence of inert solids (e. g. sil-o-cel, carbon black), mixing the ppt. with a syrup (e. g. molasses) and drying.

Pat. 2,104,269. Metal Plating. Jan. 4, 1938. Articles electroplated with fusible metals are heat treated and again electroplated to produce bright crystalline or "spangled" deposits.

Pat. 2,108,292. Furnace and Method of Firing. Feb. 15, 1938. Down-draft furnace for heating cyanide pots, in manufacture of sodium cyanide from sodium, ammonia, and carbon.

Pat. 2,111,050. Agricultural Spray Material. Mar. 15, 1938. Agricultural sprays comprising aqueous suspensions of copper cyanide mechanically agitating CuCN, a protective colloid (e. g. gelatine, gum tragacanth) and water.

Pat. 2,125,377. Cyanide Manufacture. Aug. 2, 1938. Active sodium or other alkali metal carbonate reacted with HCN at 300–450° C. for the production of alkali metal cyanide.

Pat. 2,128,819. Method of Melting Cyanides. Aug. 30, 1938. Melting cyanide under reduced pressure to avoid excess decomposition.

Pat. 2,138,519. Cyanide Manufacture. Nov. 29, 1938. Continuous, counter-current process for producing NaCN ex HCN and Na_2CO_3.

Pat. 2,146,439. Zinc Plating. Feb. 7, 1939. In the production of bright zinc electrodeposits baths are purified by the addition of soluble sulfur compounds, e. g. thiocyanates, thiosulfates, xanthates, sulfides, thiourea.

Pat. 2,181,773. Brass Plating. Nov. 28, 1939. Brass plating solution containing high caustic soda concentration; includes white brass.

Pat. 2,194,438. Disposal of Waste Cyanide Solutions. Mar. 19, 1940. Decomposing waste cyanide solutions by reaction with lime-sulfur.

Pat. 2,211,251. Tin Plating. Aug. 13, 1940. Polyvinyl alcohol as addition agent in stannite tin plating baths.

Pat. 2,221,562. Electroplating. Nov. 12, 1940. White brass as undercoat for nickel plating.

Pat. 2,222,592. Purification of Copper. Nov. 26, 1940. Metal cyanides dissolved in a siliceous slag composition used to purify molten copper.

Pat. 2,224,823. Method for Devolatilizing Charcoal. Dec. 10, 1940. Method and apparatus for devolatilizing charcoal in which the required heat is obtained by burning the gases evolved from the charcoal.

Pat. 2,231,009. Heat Treating Process. Feb. 11, 1941. Fused cyanide or salt bath operated under inert gas atmosphere for heat treating steel.

Pat. 2,231,010. Heat Treating Process. Feb. 11, 1941. Controlling the carburizing activity of fused salt baths containing a cyanogen compound by maintaining bath under an atmosphere containing a controlled amount of oxygen.

Pat. 2,235,828. Prevention of Season Cracking of Brass. Mar. 25, 1941. Season cracking of brass prevented by washing with cyanide solution followed by treatment with solution of an organic sulfur compound, e. g. mercaptobenzothiazol.

Pat. 2,247,579. Recovery of Heat Treating Salts. July 1, 1941. Heat treating metals by immersion in fused salt bath and withdrawing metal before its temperature reaches melting point of bath so as to facilitate removal of adhering salt from the metal by flexing.

Pat. 2,287,654. Copper Plating. June 23, 1942. Bright copper plating process using bath containing NaOH, NaCNS and a carbohydrate, e. g. starch.

Pat. 2,315,568. Cleaning Steel Surfaces. Apr. 6, 1943. Sulfocyanide anodic cleaning process for cleaning steel articles.

Pat. 2,339,223. Method of Case Hardening. Jan. 11, 1944. Case hardening steel to obtain a deep carbon case by treatment in case hardening bath at high temperature, followed by nitriding at lower temperature. Cementite precipitation in the grain boundaries is avoided by this method.

Pat. 2,342,104. Manufacture of Light Armor Plate. Feb. 22, 1944. Armor plate is produced by forming composite steel plates having plies of varying carbon content and subjecting the plies to cementation at elevated temperatures to cause carbon diffusion at the juncture of the plies.

Pat. 2,347,448. Bright Copper Plating. Apr. 25, 1944. Plating bath for bright copper in which part of the Na ions are replaced by K ions. For example, NaOH is partially replaced by KOH.

Pat. 2,347,450. Electrodeposition of Copper from Fused Bath. Apr. 25, 1944. Electrodeposition of copper by electrolysis of a molten cyanide bath.

Pat. 2,364,292. Case Hardening. Dec. 5, 1944. Case hardening in cyanide baths activated with titanium cyanonitride or titanium carbide.

Pat. 2,371,725. Lead-Coated Steel. Mar. 20, 1945. Ferrous metal surfaces are coated with lead by first applying a coat of copper to the ferrous metal surface and then dipping the coated metal into molten lead. Preferably the molten lead is covered by a flux containing cyanide.

Pat. 2,380,284. Method of Cleaning Ferrous Metal Articles. July 10, 1945. Cleaning metal articles by contact with fused alkali metal hydroxide containing dissolved alkali metal cyanide.

Pat. 2,406,189. Method for Tin Plating. Aug. 20, 1946. Alkali metal-tin alloy anodes for stannate tin plating baths.

Pat. 2,410,844. Metal Plating Process. Nov. 12, 1946. Soluble metal salts of hydroxythiols as new compositions which are used in immersion and electroplating.

Pat. 2,419,190. Conditioning Treatment of Magnesium for Electroplating. Apr. 15, 1947. Magnesium is conditioned for electroplating by treatment in a bath comprising a monobasic unsaturated aliphatic acid, aliphatic ester thereof, or heavy metal salt thereof, at elevated temperatures. For example, linoleic acid at 270° C. may be utilized.

Pat. 2,429,970. Silver Plating. Oct. 28, 1947. Electroplating silver from a cyanide bath, using mercaptobenzothiazole as addition agent. Other thiazole compounds, e. g. thioacetanilide and trimercaptocyanuric acid may also be used.

Pat. 2,431,601. Production of Sodium Ferrocyanide. Nov. 25, 1947. Production of sodium ferrocyanide by reaction of aqueous sodium cyanide in finely divided iron, air being passed through the reaction mixture.

Pat. 2,432,718. Tin-Plating Process. Dec. 16, 1947. Tin plating by electrolyzing a potassium stannate solution containing 15 to 30 ounces per gallon of potassium carbonate.

Pat. 2,434,191. Removing Organic Impurities from Copper-Cyanide Electroplating Baths. Jan. 6, 1948. Organic impurities are removed from electroplating baths by addition of a soluble salt of an alkaline earth metal (including magnesium) to precipitate the hydroxide. A magnesium salt is preferred.

Pat. 2,436,244. Metalworking and Stripping-Plating Process. Feb. 17, 1948. Simultaneous stripping and plating of copper in a bath containing copper cyanide, sodium cyanide and phosphate ions.

Patents Relating to Cyclohexane-Cyclohexene

Pat. 2,054,099. Synthetic Resins. Sept. 15, 1936. Polymerizing cyclohexene oxide and dihydronaphthalene oxide with certain catalytic halides of metals whose hydroxides are amphoteric.

Pat. 2,116,439. Cyclic Oxides and Their Preparation. May 3, 1938. Preparation of cyclohexene oxide by reacting a mixture of cyclohexene chlorhydrin and cyclohexane with a base.

Pat. 2,119,485. Cyclohexene Chlorohydrin. May 31, 1938. Production of cyclohexene chlorhydrin by the reaction of hypochlorous acid on a mixture of cyclohexene and cyclohexane.

Pat. 2,154,049. Chlorination of Cyclohexane. Apr. 11, 1939. Stannic chloride as a catalyst for the chlorination of cyclohexane.

Pat. 2,183,574. Preparation of Unsaturated Cyclic Compounds. Dec. 19, 1939. Production of cyclohexene by passing a mixture of cyclohexane and chlorcyclohexane over a catalyst (e. g. $BaCl_2$, charcoal, aluminum oxide).

Pat. 2,187,006. Polymerization of Epoxy Compounds. Jan. 16, 1940. Polymerization of cyclohexene oxide, using acid-washed clay as catalyst.

Pat. 2,197,105. Alicyclic Hydroxy Ethers. Apr. 16, 1940. Hydroxy ethers made by reacting cyclohexene oxide with alcohols.

Patents Relating to Formaldehyde

Pat. 1,905,033. Concentration of Formaldehyde Solutions. Apr. 25, 1933. Distillation of formaldehyde by vaporizing under pressure and high temperatures and condensing in H_2O or dilute CH_2O solution to avoid formation of paraform.

Pat. 1,937,381. Oxidation Catalysts. Nov. 28, 1933. Catalyst comprising electrolytic silver crystals and up to 1% of an oxide of V, W, Mo, Ce, Th, Zn, Al, or Cr for use in oxidizing alcohols, e. g. CH_3OH to CH_2O.

Pat. 1,945,315. Formaldehyde Condensation Product. Jan. 30, 1934. Acetone-soluble condensation product of NH_4CNS and H_2CO.

Pat. 1,968,552. Oxidation of Alcohols. July 31, 1934. Aliphatic aldehydes (formaldehyde) produced by oxidation of alcohols with electrolytic Ag catalyst. Promoters may also be used.

Pat. 2,000,152. Stabilization of Formaldehyde Solutions. May 7, 1935. Aqueous formaldehyde solutions are stabilized with water-soluble organic nitrogen compounds capable of reversible reacting with formaldehyde to form a water-soluble compound. Stabilizers, aside from urea, are: thiourea, acetoxime, glycine, etc.

Pat. 2,002,243. Formaldehyde Solution. May 21, 1935. Hydrogen sulfide added to formaldehyde solutions to prevent polymer formation.

Pat. 2,005,645. Process of Oxidizing Aliphatic Alcohols to Aldehydes. June 18, 1935. Porous compacted silver obtained by reducing compacted silver oxide is used as catalyst for producing aldehydes (CH_2O) ex alcohols. Oxides of tungsten, etc. used as promoters.

Pat. 2,042,657. Preparation of Soluble Paraformaldehyde. June 2, 1936. A soluble paraformaldehyde is produced by adding sodium silicate to formaldehyde solution and drying the resultant gel.

Pat. 2,061,063. Tanning Process. Nov. 17, 1936. Formamide as an inhibitor for protein hardening agents.

Pat. 2,073,666. Method of Hardening Proteins. Mar. 16, 1937. Protein compositions containing a potential hardening agent, e. g. $Al(OH)_3$ and a material (e. g. formamide) capable of evolving a volatile base and thereby activating the hardening agent.

Pat. 2,081,236. Chlorinated Hydrocarbon in Non-Caking Powdered Form. May 25, 1937. Formaldehyde polymers, particularly paraformaldehyde and the polyoxymethylenes in finely ground form are used as anti-caking agents to prevent powdered paradichlorbenzene and hexachlorethane from caking upon standing.

Pat. 2,101,574. Hardening of Proteins. Dec. 7, 1937. Hardening proteins by the action of formaldehyde and formamide.

Pat. 2,121,697. Synthetic Resins. June 21, 1938. Formaldehyde-barbituric acid and formaldehyde-uracil resins.

Pat. 2,125,375. Vaporization of Formaldehyde. Aug. 2, 1938. SO_2 is added to formaldehyde solution to prevent precipitation of paraform on evaporation.

Pat. 2,135,063. Method of Producing Pentaglycol. Nov. 1, 1938. Pentaglycol ex condensation of formaldehyde with isobutyraldehyde.

Pat. 2,224,910. Process of Condensing Formaldehyde Compounds. Dec. 17, 1940. Hydroxyaldehydes and ketones from formaldehyde compounds wherein the condensation is carried out in aqueous medium at least 8% formaldehyde with an enediol present. The hydroxy aldehydes and ketones may be hydrogenated to polyhydric alcohols.

Pat. 2,269,935. Process for Producing Hydroxy Aldehydes and Hydroxy Ketones. Jan. 13, 1942. Production of hydroxyaldehydes and hydroxyketones by reacting aqueous formaldehyde with an enediol in the presence of a compound of an element of the fourth group of the periodic table.

Pat. 2,296,249. Polymers of Formaldehyde. Sept. 22, 1942. Plastic, high molecular weight formaldehyde polymers and their preparation by polymerizing formaldehyde in an inert solvent in the presence of an aliphatic acylethenone and an organic isocyanate.

Pat. 2,304,431. Method of Effecting Chemical Reactions. Dec. 8, 1942. Reactions of trioxane with formaldehyde acceptor materials, e. g. phenol, in an anhydrous medium in presence of a depolymerization catalyst to form CH_2O reaction products, e. g. phenol-CH_2O resins.

Pat. 2,308,696. Water Insoluble Resinous Condensation Products. Jan. 19, 1943. Resinous condensation product of formaldehyde with semi-carbazide.

Pat. 2,317,456. Formaldehyde-Crotonaldehyde Condensation Product. Apr. 27. 1943. Condensing a formaldehyde substance with crotonaldehyde in the presence of an alkaline catalyst and catalytically hydrogenating the condensation product, the formaldehyde substance and the crotonaldehyde being the sole reactants present in the condensation reaction.

Pat. 2,321,958. Formaldehyde Addition Products and Their Preparation. June 15, 1943. Addition products (methylol sulfamates) of formaldehyde with sulfamates, particularly calcium sulfamate, prepared by reactions in alkaline media.

Pat. 2,355,599. Acid Metal Treating Baths. Aug. 8, 1944. Trioxane as corrosion inhibitor in acid pickling and cleaning baths.

Pat. 2,355,600. Formaldehyde Reaction Product and Its Preparation. Aug. 8, 1944. Calcium methylol sulfamate is produced by reacting formaldehyde with calcium sulfamate under substantially anhydrous conditions at a pH of 8 to 10 in a reaction mixture having a pasty consistency. Preferably paraformaldehyde is utilized as a source of formaldehyde in the reaction. Methanol may be used to form the paste.

Pat. 2,369,439. Reactions Between Organic Nitrogen Compounds and Reaction Products of Formaldehyde with Sulphamates. Feb. 13, 1945. Reacting proteins or other organic nitrogen compounds with formaldehyde-sulfamate derivatives, e. g. calcium methylol sulfamate.

Pat. 2,369,503. Reactions Between Organic Nitrogen Compounds and Reaction Products of Formaldehyde with Sulphamates. Feb. 13, 1945. Reacting proteins or other organic nitrogen compounds with formaldehyde-sulfamate derivatives (e. g. calcium methylol sulfamate) prepared under alkaline conditions.

Pat. 2,373,777. Solubilization of Formaldehyde Polymers. Apr. 17, 1945. Use of hexamethylenetetramine for solubilizing formaldehyde polymers, particularly paraformaldehyde.

Pat. 2,379,555. Polyglyoxal Hydrate. July 3, 1945. Polymerized glyoxal hydrates are prepared by distilling an aqueous solution of glyoxal at a reduced pressure less than atmospheric and not exceeding 150 mm. of mercury.

Patents Relating to Formamide

Pat. 1,934,433. Vaporization of Formamide. Nov. 7, 1933. Process for flash vaporization of formamide by contact with surface heated to temperature above the boiling point.

Pat. 1,934,485. Treatment of Formamide. Nov. 7, 1933. Liquid formamide contacted with heated metal surface so that it is immediately vaporized, and removing vapor as formed.

Pat. 1,950,875. Process for the Vaporization of Formamide. Mar. 13, 1934. Liquid formamide is continuously added to a vaporizer which consists of a heated sloped metal surface which permits maintaining a shallow liquid pool on the heated surface.

Pat. 1,958,209. Manufacture of Ammonium Thiocyanate. May 8, 1934. Formamide, ammonia and sulfur are heated to 100–160° C. in the presence of a catalyst $(NH_4)_2S$ to form thiourea and ammonium sulfocyanide.

Pat. 1,984,411. Method of Case Hardening. Dec. 18, 1934. Ferrous metals are case hardened by subjecting them to formamide vapor at 1300–1800° F. Supplementary carburizing agents such as hydrocarbons or phenols may be used simultaneously.

Pat. 1,986,348. Apparatus for Effecting Gas Reaction. Jan. 1, 1935. Walls of a reaction chamber for endothermic gas reactions (e. g. $HCONH_2$ equals HCN plus H_2O) are made the closed secondary circuit of a step-down transformer, heat being generated in the walls by inductance.

Pat. 1,999,390. Apparatus for Vaporization of Formamide. Apr. 30, 1935. A vaporizer having a heated sloped metal surface which permits maintaining a shallow liquid pool on the heated surface during vaporization of a liquid such as formamide.

Pat. 2,037,423. Rubber Latex Composition. Apr. 14, 1936. Rubber latex solutions containing formamide as a preservative.

Pat. 2,037,878. Process for Making Mercapto Thiazole Compounds. Apr. 21, 1936. Formamide treated with S and aryl amine to give mercapto thiazole either as ammonium salt or as thiazole itself depending on the proportions used.

Pat. 2,042,451. Dehydration of Formamide to Produce Hydrocyanic Acid. June 2, 1936. Formamide is dehydrated to produce HCN by passage over a heated metal surface having an adherent coating of an oxide. The oxide coating is formed by oxidizing an adherent film of a metal (Zn, Al, Mn, Cr, or Sn).

Pat. 2,047,919. Cellulose Acetate Composition. July 14, 1936. Formamide-cellulose acetate compositions useful as textile finishes, leather dressing, etc.

Pat. 2,079,623. Tobacco Treatment. May 11, 1937. Treatment of tobacco with formamide.

Pat. 2,089,095. Soldering Flux. Aug. 3, 1937. Soldering flux containing formamide and a fluxing agent, e. g. $ZnCl_2$.

Pat. 2,104,264. Paint Composition. Jan. 4, 1938. A water paint containing formamide and a binding material, e. g. casein, rubber latex.

Pat. 2,130,807. Printing Composition. Sept. 20, 1938. Printing ink containing formamide and an adhesive, e. g. casein.

Pat. 2,146,448. Acetylene Solution. Feb. 7, 1939. Dimethyl formamide and other compounds having a carbonyl group and one or more dialkyl amino groups as solvents for acetylene.

Patents Relating to Hydrocyanic Acid

Pat. 2,043,930. Manufacture of Hydrocyanic Acid. June 9, 1936. Production of HCN by reacting nitric oxide with a hydrocarbon in the absence of water.

Pat. 2,069,545. Synthesis of Hydrocyanic Acid. Feb. 2, 1937. Process for producing HCN from NH_3 and hydrocarbons in which part of the required heat is supplied by preheating the reactants and the remander by simultaneous oxidation of part of the hydrocarbon. A free reaction space without catalyst is used.

Pat. 2,076,953. Manufacture of Hydrocyanic Acid. Apr. 13, 1937. HCN is produced by passing NO, inert gas and hydrocarbon gas over a Pt-Rh catalyst at 800–1400° C. A combination process includes oxidation of NH_3 to produce NO.

Pat. 2,079,404. Catalyst Preparation. May 4, 1937. Supported platinum alloy (e. g. Pt-Rh) catalyst formed by heating a platinum compound in a non-reducing gas. The catalyst is useful for producing HCN ex hydrocarbons.

Pat. 2,083,824. Manufacture of Hydrocyanic Acid. June 15, 1937. Production of HCN ex hydrocarbons and NO or NH_3 using a platinum metal catalyst prepared according to the method of U. S. P. 2,079,404.

Pat. 2,086,731. The Recovery of Hydrocyanic Acid. July 13, 1937. Aliphatic polyhydric alcohols, their esters, ethers, and mixed ether-esters are used as solvents for HCN in its removal from gases.

Pat. 2,086,732. Processes and Products Relating to the Recovery of HCN. July 13, 1937. Ethers, ether-esters of polyhydric alcohols which are normally liquid and which contain no more than three directly linked carbon atoms devoid of carbon atoms per molecule are used as solvents for HCN.

Pat. 2,184,062. Manufacture of Hydrocyanic Acid. Dec. 19, 1939. HCN is produced by reacting NO, inert gas and hydrocarbon gas at 800–1400° C. in the absence of a catalyst.

Pat. 2,194,370. Stabilization of Liquid Hydrocyanic Acid. Mar. 19, 1940. Phosphoric acid as a stabilizer for HCN.

Pat. 2,381,344. Synthesis of HCN and Catalyst Therefor. Aug. 7, 1945. Hydrocyanic acid by gas phase reaction of a nitrogen compound and a hydrocarbon wherein the gases are passed in contact with a platinum metal and thence through a contiguous bed of granular refractory material.

Pat. 2,387,577. Production of Hydrocyanic Acid. Oct. 23, 1945. In the production of hydrocyanic acid by vapor phase reaction of nitric oxide and a hydrocarbon the reaction gases are first passed into contact with a non-porous refractory material free from catalyst for the reaction and then into contact with a non-porous refractory material coated with a platinum metal.

Pat. 2,409,429. Production of Hydrocyanic Acid. Oct. 15, 1946. In production of hydrocyanic acid ex nitric oxide and hydrocarbon gas, preignition is prevented by periodically interrupting the reaction, abrading and recoating the refractory walls of the reaction chamber, replacing the refractory on top of the catalyst layer and resuming operation.

Patents Relating to Peroxide

Pat. 1,854,327. Process of Making Hydrogen Peroxide. Apr. 19, 1932. A method for distilling persulfates or persulfuric acid to produce H_2O_2 employing a distillation apparatus having a lead or acid resisting heat transfer portion whose surfaces are continuously covered by a film of the solution.

Pat. 1,868,513. Process and Apparatus for Treating Textile Materials. July 26, 1932. A bleaching kier and process, wherein bleach liquor is forced outwardly through a mass of textile material.

Pat. 1,922,187. Process for the Purification of Air. Aug. 15, 1933. Exhaled air is regenerated by contacting it with a mixture of an alkali metal trioxide and hydroxide to which may be added Na, CO or Cu oxide or catalyst.

Pat. 1,929,121. Process for the Preparation of Ammonium Perborate. Oct. 3, 1933. Ammonia is bubbled into concentrated solution of boric acid and H_2O_2 until an excess is present and ammonium perborate is precipitated.

Pat. 1,937,621. Electrolytic Apparatus. Dec. 5, 1933. Cell for the electrolytic production of persulfuric acid, etc., featuring narrow annular anode chamber and a reenforced platinum anode.

Pat. 1,937,710. Bleaching Animal Fibers. Dec. 5, 1933. Animal fibers, especially rabbit hair, is bleached in an acid solution of a percompound containing a soluble Al salt.

Pat. 1,953,526. Absorbent Material. Apr. 3, 1934. A surgical bandage which is impregnated with borax peroxide to act as a deodorant and disinfectant.

Pat. 1,953,567. Leavening Process. Apr. 3, 1934. Method of baking using percompounds as leavening agents in which the dough is let stand until H_2O_2 content is less than 0.08% of dry flour before baking.

Pat. 1,958,204. Stabilization of Peroxide Solutions. May 8, 1934. Peroxide solutions, such as H_2O_2, stabilized with tin compounds such as sodium stannate. The solution must be acid (pH 3.5–6.0) and a pyrophosphate is used to peptize the tin compound.

Pat. 1,978,953. Method of Preparing an Alkali Metal Perborate. Oct. 30, 1934. A solution of borax and H_2O_2 is evaporated under reduced pressure to produce borax peroxide.

Pat. 1,995,063. Stabilization of Hydrogen Peroxide Solutions. Mar. 19, 1935. H_2O_2 solutions are stabilized with hydroquinone or a hydroquinone derivative.

Pat. 1,996,292. Container Closure. Apr. 2, 1935. A bung closure for Al drums for H_2O_2 having a vent chamber with internal and external vents and a drain connection.

Pat. 1,998,883. Blue Printing. Apr. 23, 1935. Exposed blueprints are developed by treatment with a urea peroxide solution.

Pat. 2,004,809. Stabilizing H_2O_2 Solutions with Pyrophosphoric Acid Plus a Tin Compound. June 11, 1935. A compound made by heating together $SnCl_2$ and H_3PO_4 is used to stabilize acid 100–174 Vol. H_2O_2.

Pat. 2,006,967. Seed Treatment. July 2, 1935. The germination of seeds is accelerated by treatment with an aqueous solution of a percompound, e. g. H_2O_2.

Pat. 2,008,726. Storing and Handling Hydrogen Peroxide Solutions. July 23, 1935. Al containers for H_2O_2 which are first pickled with nitric acid solution are not pitted by H_2O_2 at a pH of 3.5–6.0 if 0.1–0.5 g. NH_4NO_3 is present per liter of H_2O_2.

Pat. 2,017,440. Purification of Hydrogen Peroxide. Oct. 15, 1935. Hydrogen peroxide is purified by adding to H_2O_2 solution at a pH of 1.4–3.5 a colloidal SnO_2 solution and removing the precipitated stannic hydroxide.

Pat. 2,021,384. Removal of Acid from Peroxide Solutions. Nov. 19, 1935. Sulfuric acid is removed from H_2O_2 solutions by addition of a basic barium compound such as $Ba(OH)_2$. Treatment also combined with tin solution purification treatment (see U. S. P. 2,017,440).

Pat. 2,026,068. Process for the Improvement of Cellulose. Dec. 31, 1935. Cellulose is first partially bleached with Cl_2, then treated with alkali, then with alkali metal peroxide and finally with an acid bath to give an improved, bleached cellulose for the production of viscose.

Pat. 2,027,838. Stabilizing Hydrogen Peroxide Solutions with Pyrophosphoric Acid. Jan. 14, 1936. Pyrophosphates used to stabilize H_2O_2 at a pH of 1–7.

Pat. 2,027,839. Purification of Hydrogen Peroxide Solutions. Jan. 14, 1936. H_2O_2 solutions purified by precipitation therein of stannic hydroxide at a pH of about 2. Aluminum salts may be added to coagulate the stannic hydroxide.

Pat. 2,028,481. Method of Distillation. Jan. 21, 1936. H_2O_2 is obtained from a persulfuric acid solution by distillation in vacuo in two or more stages, the liquid residue being diluted with H_2O between distillation stages.

Pat. 2,049,975. Process of Bleaching Sulfonated Oils. Aug. 4, 1936. Sulfonated oils, e. g. sulfonated castor oil, are bleached by treating with H_2O_2 using a small amount of a cobalt compound as a bleaching promoter.

Pat. 2,049,977. Container. Aug. 4, 1936. Drum with a gas venting bung.

Pat. 2,049,979. Treatment of Hydrogen Peroxide Vapors. Aug. 4, 1936. Sulfuric acid fog is removed from H_2O_2 vapors by passing the vapors over a solid surface which is wet with sulfuric acid. Preferred solid surface comprises a 15" layer of quartz fragments ¼" to ¾" in diameter.

Pat. 2,051,745. Leavening Process. Aug. 18, 1936. In the production of slow baked products, peroxide leavened dough is allowed to stand until the amount undecomposed peroxide is less than 0.5% of the weight of the dry flour.

Pat. 2,053,740. Process of Preserving. Sept. 8, 1936. Cream is preserved by adding H_2O_2 and heating to 61–63° C.

Pat. 2,065,744. Direct Process for Making Sodium Perborate. Dec. 29, 1936. Substantially dry alkali metal perborate prepared in one-stage process whereby a metal borate is reacted upon in a hydrogen peroxide solution with alkali metal peroxide. The amount of water is limited in the reacting products to a slight excess over that necessary for the type of hydrated perborate desired.

Pat. 2,067,364. Manufacture of Hydrogen Peroxide. Jan. 12, 1937. H_2O_2 produced by two-stage distillation of persulfuric acid: (1) concentration with partial hydrolysis, (2) steam distillation to complete hydrolysis.

Pat. 2,070,922. Manufacture of Baked Products. Feb. 16, 1937. In the production of H_2O_2-leavened baked goods an alkaline material (e. g. Na_2CO_3) is added to increase H_2O_2 decomposition at high temperatures.

Pat. 2,072,665. Bleaching Process. Mar. 2, 1937. In bleaching cattle hair, iron is removed by treating with a reducing agent (e. g. bisulfite) then with acid; the hair is then given an alkaline scour and bleached with alkaline H_2O_2.

Pat. 2,075,468. Leavening Process. Mar. 30, 1937. Peroxide leavened doughs are allowed to stand until the amount of undecomposed peroxide does not exceed 0.5% of the weight of the dry flour.

Pat. 2,082,656. Process of Purification of Sugar Solutions. June 1, 1937. Refining sugar by treating substantially neutral solutions with H_2O_2.

Pat. 2,091,178. Stabilizing Hydrogen Peroxide Solutions with Pyrophosphoric Acid Plus a Tin Compound. Aug. 24, 1937. Pyrophosphoric acid-tin stabilizer for H_2O_2 prepared by heating orthophosphoric acid and stannic chloride.

Pat. 2,091,186. Stabilization of Bleach Baths. Aug. 24, 1937. Acid peroxide baths used for bleaching wool and stabilized by filtering through cellulosic material, e. g. "Kimpak".

Pat. 2,092,746. Bleaching Fur. Sept. 14, 1937. Fur, e. g. rabbit fur, is bleached in an alkaline peroxide bath (H_2O_2 or Na_2O_2) containing a soluble oxalate.

Pat. 2,094,384. Electrolytic Apparatus and Process. Sept. 28, 1937. Electrolysis cell, e. g. for preparation of persulfuric acid, in which the anolyte and catholyte are maintained at approximately the same level.

Pat. 2,104,120. Bleaching Composition. Jan. 4, 1938. A dry solid mixture for use in bleaching, comprising sodium peroxide and boric acid (preferably metaboric acid).

Pat. 2,108,282. Process of Bleaching Beeswax. Feb. 15, 1938. Bleaching beeswax with H_2O_2 and Na_2O_2.

Pat. 2,113,433. Process of Bleaching Ester Type Wax. Apr. 5, 1938. Wax bleached with H_2O_2, or other percompounds.

Pat. 2,116,517. Stimulation of Mold Growth. May 10, 1938. Stimulating the growth molds by subjecting them to the action of hydrogen peroxide.

Pat. 2,122,421. Tobacco Treatment. July 5, 1938. Tobacco is treated with a solution of a wetting agent "Duponol" and then with alkaline H_2O_2 to extract undesirable constituents.

Pat. 2,125,274. Process and Apparatus for the Preparation of Solutions. Aug. 2, 1938. Sodium peroxide dissolver.

Pat. 2,125,383. Purification of Lactic Acid. Aug. 2, 1938. Lactic acid purified by steam distilling and adding H_2O_2 to the distillate.

Pat. 2,125,398. Process of Milk Sterilization. Aug. 2, 1938. Milk is sterilized by adding thereto H_2O_2 and KI.

Pat. 2,155,717. Process for Preparing Addition Products of Alkali Metal Perborates and Urea. Apr. 25, 1939. Production of urea perborate ex perborate and urea.

Pat. 2,159,999. Preventing the Caking of Sodium Perborate. May 30, 1939. Magnesium benzoate as anti-caking agent for perborate.

Pat. 2,160,391. Bleaching Process and Composition. May 30, 1939. Stabilization of peroxide bleach baths with magnesium compounds, e. g. magnesium silicate, which are rendered soluble by the successive addition of acid and alkali to the bath.

Pat. 2,176,508. Activator for Oxygen Baths. Oct. 17, 1939. Certain organic sulfonic acid compounds as activators for peroxide bleach baths and the like.

Pat. 2,187,016. Process of Treating Ground Wood. Jan. 16, 1940. Bleaching ground wood paper pulp with peroxide.

Pat. 2,199,376. Bleaching of Ground Wood Pulp. Apr. 30, 1940. Ground wood pulp bleached by use of Na_2O_2 in alkaline solution at 80–120° F.

Pat. 2,202,270. Preparation of Sodium Monoxide. May 28, 1940. Na_2O ex Na and NaOH.

Pat. 2,202,478. Bleaching of Cotton. May 28, 1940. Covers replenishment of peroxygen bleach baths which have been used by addition of more percompound and stabilizer before bath is again used.

Pat. 2,218,031. Preventing the Caking of Sodium Perborate. Oct. 15, 1940. Magnesium oxide as anti-caking agent for perborate.

Pat. 2,224,831. Electrolysis Cell. Dec. 10, 1940. Improved electrolysis cell for the preparation of persulfuric acid or persulfates. The cell is of the single-pass, single-flow type, employing but one electrolyte.

Pat. 2,224,834. Preventing the Caking of Sodium Perborate. Dec. 10, 1940. Magnesium sulfate as anti-caking agent for perborate.

Pat. 2,224,835. Storing and Handling Hydrogen Peroxide. Dec. 10, 1940. Anodically oxidized aluminum for H_2O_2 containers.

Pat. 2,257,461. Sodium Perborate Product. Sept. 30, 1941. Sodium perborate tetrahydrate in the form of a dense mass prepared by extruding the molten material into a cool saturated solution of the same which sets it.

Pat. 2,264,745. Improvement of Tobacco. Dec. 2, 1941. Quality of tobacco is improved by spraying with ammoniacal H_2O_2 solution maintained at a temperature of 10° C. or below.

Pat. 2,267,718. Textile Treating Process. Dec. 30, 1941. Method and apparatus for treating textile materials with alkaline liquors, e. g. for scouring or bleaching, wherein the material is saturated with the liquid, heated by direct contact with steam and then stored at elevated temperature.

Pat. 2,279,088. Purification of Sodium Monoxide. Apr. 7, 1942. Removal of free Na ex Na_2O by heating in inert atmosphere containing small amount of O_2.

Pat. 2,286,995. Purification of Acetic Acid. June 16, 1942. Decolorizing acids, e. g. acetic acid, with organic or inorganic monoperacids.

Pat. 2,290,601. Bleaching of Ground Wood Pulp With Preliminary Bisulfite Treatment. July 21, 1942. Two-stage bleaching of ground wood pulp involving treatment with acid bisulfite followed by treatment with an alkaline peroxide solution.

Pat. 2,304,098. Process of Preparing Zinc Peroxide. Dec. 8, 1942. Preparation of zinc peroxide ex Na_2O_2 using a manganese and/or copper compound as activator.

Pat. 2,304,104. Therapeutical Zinc Peroxide. Dec. 8, 1942. Preparation of zinc peroxide for therapeutic use ex Na_2O_2 and a zinc salt.

Pat. 2,304,435. Treatment of Dyed Textile Fabric. Dec. 8, 1942. Marked-off naphthol dye stains are stripped from partially bleached textile fabrics using peracids.

Pat. 2,304,474. Heat Treatment of Textile Fabrics. Dec. 8, 1942. U-shaped steaming tube for the heat treatment of textile fabrics. For use in continuous bleaching with peroxide.

Pat. 2,311,314. Purification of Water. Feb. 16, 1943. Iron and manganese impurities removed from water by oxidation with monopersulfuric (Caro's) acid, followed by pH adjustment to precipitate the metals as hydroxides.

Pat. 2,316,487. Container for the Storage of Solutions of Peroxygen Compounds. Apr. 13, 1943. Use of magnesium and alloys thereof as construction materials for surfaces of containers for alkaline solutions of peroxygen compounds.

Pat. 2,333,916. Stabilization of Bleach Baths of High Alkalinity. Nov. 9, 1943. Stabilization of peroxygen bleach baths of high alkalinity by addition of sodium pyrophosphate and magnesium sulfate.

Pat. 2,334,066. Textile Treating Process. Nov. 9, 1943. Method of bleaching textile materials with alkaline peroxygen bleach liquors wherein the textile goods are saturated with the liquor, quickly heated by passage through a steam tube and then stacked in a J-box where bleaching occurs (continuous bleach method).

Pat. 2,334,126. Refining of Sugar and Sugar Syrups. Nov. 9, 1943. Sugar decolorized by treatment with a peracid.

Pat. 2,341,535. Process for Improving Tobacco. Feb. 15, 1944. Treatment of tobacco involving stemming and steaming, spraying with aqueous alkaline H_2O_2 (high concn.), aging in a stack, and then drying.

Pat. 2,346,186. Heat Treatment of Textiles. Apr. 11, 1944. Apparatus for heat treatment of textile fabrics, having a U-shaped steaming tube in combination with means for expanding high-pressure steam to atmospheric pressure and means for reducing the temperature of the expanded steam by admixing air at room temperature. For use in continuous bleaching with peroxide.

Pat. 2,362,401. Detergent Compositions. Nov. 7, 1944. A dry stable detergent composition which yields in aqueous solution an oxidizing agent of high activity, said composition comprising a solid inorganic peroxygen compound, an organic acid anhydride, and a solid detergent.

Pat. 2,371,691. Preparation of Quinolinic Acid. Mar. 20, 1945. Quinoline is oxidized to copper quinolinate using a peroxide, e. g. H_2O_2, in the presence of an organic acid and the copper salt of an organic acid.

Pat. 2,377,038. Manufacture of Peracids. May 29, 1945. Peracids and their salts are prepared by reacting a dilute alkaline solution of an inorganic peroxide and an organic acid anhydride under conditions where the pH of the reaction mixture falls within the range 5.0 to 11.0.

Pat. 2,397,762. Storage Compartment in Shape of Catenary. Apr. 2, 1946. Textile-storage apparatus, the confining surfaces of which are arranged in the form of the mathematical curve known as the catenary. For use in bleaching operations.

Pat. 2,403,311. Textile Rope-Stacking Apparatus. July 2, 1946. A textile rope stacking apparatus comprising a container and a rope-forwarding roller having reverse helical rope-forwarding grooves, the bottom of the grooves forming an elliptical outline.

Pat. 2,426,142. Bleaching Cotton Textile Goods. Aug. 19, 1947. Cotton textiles are soured in aqueous peracid solution prior to bleaching with H_2O_2 or Na_2O_2.

Pat. 2,426,154. Stabilization of Peroxide Solutions. Aug. 19, 1947. Aqueous solutions of peroxides are stabilized in the acid range by the use of a weak organic acid buffering agent in addition to the usual stabilizing agents. Preferably dibasic carboxylic acids are used, e. g. malonic, succinic, glutaric, and adipic acids.

Pat. 2,429,971. Method of Preparing a Therapeutic Zinc Peroxide. Oct. 28, 1947. Zinc peroxide for therapeutic use containing as a catalyst a metal from the second and third transition series of Group VIII of the Periodic Table.

General Aniline & Film Corporation has placed more than 3,000 patents on the Register of Patents as being available for licensing. The patents are grouped in five sections. The following patents (Reg. Nos. 13,029 through 13,399) are in Section 3, relating to Miscellaneous Organic Compounds and Processes, including Vinyl Compounds and Iron Carbonyl, Groups 28; 33; 35. Inquiries concerning these patents should be addressed to the Patent Department, General Aniline & Film Corporation, 247 Park Ave., New York 17, N. Y.

SECTION 3

Miscellaneous Organic Compounds and Processes, Including Vinyl Compounds and Iron Carbonyl

Pat. 1,840,286. Metallic Core for Electromagnets. Jan. 5, 1932.

Pat. 1,841,973. Production of Metal Carbonyls. Jan. 19, 1932.

Pat. 1,842,989. Mediums for Inhibiting the Perishing of Artificial and Natural Varieties of Rubber. Jan. 26, 1932.

Pat. 1,843,434. Concentration of Aqueous Formic Acid. Feb. 2, 1932.

Pat. 1,844,015. New Condensation Products from Phosphine Oxides and Phenolic Compounds. Feb. 9, 1932.

Pat. 1,844,408. Production of Phosphoric Acid Esters of Aliphatic Alcohols. Feb. 9, 1932.

Pat. 1,845,198. Manufacture of Resinous Products. Feb. 16, 1932.

Pat. 1,845,563. Production of Amines of the Hydroaromatic-Aliphatic Series. Feb. 16, 1932.

Pat. 1,848,268. Process of Preparing Artificial Materials and Coatings of All Kinds. Mar. 8, 1932.

Pat. 1,849,428. Iron Oxide Pigments and Process of Producing the Same as By-Products of the Reduction of Aromatic Nitrocompounds. Mar. 15, 1932.

Pat. 1,850,144. Process of Preparing Hydrogenated Aromatic Carboxylic Acid Esters. Mar. 22, 1932.

Pat. 1,851,021. Production of Synthetic Tanning Agents. Mar. 29, 1932.

Pat. 1,851,040. Production of Chloropropionic Esters. Mar. 29, 1932.

Pat. 1,852,541. Production of Metal Carbonyls. Apr. 5, 1932.

Pat. 1,855,793. Production of Iron Having Valuable Magnetic Properties. Apr. 26, 1932.

Pat. 1,857,333. New Synthetic Resins. May 10, 1932.

Pat. 1,857,557. Production of Iron Oxide Pigments. May 10, 1932.

Pat. 1,857,655. Process of Preparing Secondary and Tertiary Aliphatic Amines from Primary Aliphatic Bases. May 10, 1932.

Pat. 1,857,879. Metal Powder. May 10, 1932.

Pat. 1,858,220. Production of Metal Carbonyls. May 10, 1932.

Pat. 1,858,627. Process for Manufacturing Artetrahydronaphthols and Their Esters. May 17, 1932.

Pat. 1,859,399. New Process for Introducing Sulphocyanic Groups in Aliphatic Compounds. May 24, 1932.

Pat. 1,860,441. Hardened Artificial Materials and Process of Preparing Them. May 31, 1932.

Pat. 1,860,479. Synthetic Resins. May 31, 1932.

Pat. 1,862,599. Catalytic Manufacture of Hexahydro Aniline. June 14, 1932.

Pat. 1,863,572. N-Substituted Dithiocarbamic Acids and the Salts Thereof. June 21, 1932.

Pat. 1,863,814. Synthetic Resins. June 21, 1932.

Pat. 1,865,191. Cellulose Nitrate Lacquer. June 28, 1932.

Pat. 1,865,405. Process of Preparing Acetic Anhydride. June 28, 1932.

Pat. 1,867,049. Ortho-Hydroxy-Carboxylic Acids of Fluorene. July 12, 1932.

Pat. 1,869,768. Production of Phosphoric Esters. Aug. 2, 1932.

Pat. 1,869,862. Vulcanization Accelerator. Aug. 2, 1932.

Pat. 1,873,934. Vulcanization Accelerator. Aug. 23, 1932.

Pat. 1,873,935. Accelerator for Vulcanization Processes. Aug. 23, 1932.

Pat. 1,873,936. Accelerator for Vulcanization Purposes. Aug. 23, 1932.

Pat. 1,873,945. Materials Coated with Lacquers, and a Process of Producing Coatings. Aug. 23, 1932.

Pat. 1,878,040. Water-Soluble Viscous Condensation Products of Aldehydes and Process of Preparing Them. Sept. 20, 1932.

Pat. 1,878,699. Manufacture of 1-Halogen-Aryl-Thiazoles. Sept. 20, 1932.

Pat. 1,880,447. Nitro-Halogenquinazoline and the Process of Producing Same. Oct. 4, 1932.

Pat. 1,880,564. Manufacture of Dithiocarbamates. Oct. 4, 1932.

Pat. 1,880,901. Production of Maleic Acid and Its Anhydride. Oct. 4, 1932.

Pat. 1,882,972. Production of Shaped Metallic Articles. Oct. 18, 1932.

Pat. 1,882,987. Process of Making Metal Articles. Oct. 18, 1932.

Pat. 1,883,060. Lacquer for Application by Brushing. Oct. 18, 1932.

Pat. 1,884,023. Production of Plastic Masses. Oct. 25, 1932.

Pat. 1,884,024. Production of Plastic Masses. Oct. 25, 1932.

Pat. 1,887,820. Sulphonated Isatoic Acid Anhydride and Process of Making Same. Nov. 15, 1932.

Pat. 1,888,794. Process of Preparing Salts of the Chloroethane Sulphonic Acid. Nov. 22, 1932.

Pat. 1,889,945. Production of Monocarboxylic Acids. Dec. 6, 1932.

Pat. 1,889,953. Colored Effect Paper. Dec. 6, 1932.

Pat. 1,891,055. Production of Saturated Fatty Acid Nitriles. Dec. 13, 1932.

Pat. 1,891,057. Production of Indole and Derivatives Thereof. Dec. 13, 1932.

Pat. 1,891,930. Production of Organic Compounds Containing Oxygen from Carbon Monoxide and Halogenated Monaromatic Hydrocarbons. Dec. 27, 1932.

Pat. 1,892,227. Hardened Artificial Materials and Process of Preparing Them. Dec. 27, 1932.

Pat. 1,894,781. Production of Compositions Resembling Celluloid. Jan. 17, 1933.

Pat. 1,897,741. Sulphuric Ester of Glycol Ethers. Feb. 14, 1933.

Pat. 1,898,627. Alkylation of Organic Hydroxy Compounds. Feb. 21, 1933.

Pat. 1,900,700. Cellulose Nitrate Lacquer. Mar. 7, 1933.

Pat. 1,900,734. Production of Driers for Varnishes, Lacquers, Oil Paints and the Like. Mar. 7, 1933.

Pat. 1,901,656. Stable Suspensions. Mar. 14, 1933.

Pat. 1,902,866. Acetals of Cyclic Ketones with Polyhydric Alcohols and Process of Preparing the Same. Mar. 28, 1933.

Pat. 1,902,889. Urea Condensation Products and Process of Making Them. Mar. 28, 1933.

Pat. 1,904,229. 2.4-Di(Nitrophenyl)-6-Halogen-1.3.5-Triazines and Method of Making the Same. Apr. 18, 1933.

Pat. 1,905,466. Process of Preparing Acetic Anhydride. Apr. 25, 1933.

Pat. 1,907,891. Production of Carbonic Acid Esters of the Glycols. May 9, 1933.

Pat. 1,908,376. Production of Sulphonated Products. May 9, 1933.

Pat. 1,908,935. Process for Preparing Disulphides. May 16, 1933.

Pat. 1,909,638. Manufacture of 1.4.1'.4'-Tetrahydroxy-2.2'-dianthraquinonyl. May 16, 1933.

Pat. 1,909,991. Production of Artificial Masses and Coatings Therefrom. May 23, 1933.

Pat. 1,910,818. Production of Ethyl Acetate. May 23, 1933.

Pat. 1,911,709. New Sulphurized Phenol. May 30, 1933.

Pat. 1,912,260. Water Soluble Condensation Product and Process for Preparing the Same. May 30, 1933.

Pat. 1,912,593. Synthetic Tanning Material and Process of Producing Same. June 6, 1933.

Pat. 1,912,608. Process of Preparing Vinyl Esters. June 6, 1933.

Pat. 1,912,812. Accelerating Vulcanization. June 6, 1933.

Pat. 1,913,794. Process of Preparing Ethionic Acid or Carbyl Sulphate. June 13, 1933.

Pat. 1,914,465. Process for Producing 1.1.2-Trichloro-Ethane. June 20, 1933.

Pat. 1,915,431. Process of Hydrogenating Polyhydroxy Compounds and Substances Obtainable. June 27, 1933.

Pat. 1,918,371. Preparation of Methyl Chloride and Methylene Chloride. July 18, 1933.

Pat. 1,918,466. Vulcanization of Artificial Rubber Like Masses. July 18, 1933.

Pat. 1,918,648. Process for Manufacturing Artetrahydronaphthol Ethers. July 18, 1933.

Pat. 1,919,575. Plastic Mass. July 25, 1933.

Pat. 1,919,592. Process for Manufacturing Ar-Tetrahydronaphthylamine Compounds. July 25, 1933.

Pat. 1,921,378. Production of Polymerization Products from Alkylene Oxides. Aug. 8, 1933.

Pat. 1,924,253. Condensation Product from Urea and an Alcohol or a Ketone and Process of Preparing Them. Aug. 29, 1933.

Pat. 1,924,566. Vulcanization Accelerator. Aug. 29, 1933.

Pat. 1,924,567. Vulcanization Accelerator. Aug. 29, 1933.

Pat. 1,929,044. Process of Vulcanizing Rubber Compounds. Oct. 3, 1933.

Pat. 1,931,858. Production of Unsaturated Ethers. Oct. 24, 1933.

Pat. 1,932,907. Process of Preparing Aminoalkylsulphonic Acids. Oct. 31, 1933.

Pat. 1,933,962. Preserving of Rubber. Nov. 7, 1933.

Pat. 1,933,986. Condensation Product of Polyvinyl Alcohol with Cyclic Ketones and a Process of Preparing It. Nov. 7, 1933.

Pat. 1,934,123. Process for the Manufacture of Condensation Products from Diolefines and Hydrocarbons. Nov. 7, 1933.

Pat. 1,935,209. Production of Aromatic Amines from Phenols. Nov. 14, 1933.

Pat. 1,937,328. Production of Carbamic Acid Chloride. Nov. 28, 1933.

Pat. 1,939,025. Aromatic Amino-Sulpho Chlorides, Substituted in the Amino-Group. Dec. 12, 1933.

Pat. 1,939,189. Production of Dioxane and Its Homologues. Dec. 12, 1933.

Pat. 1,939,422. Mixed Polymerization Products and a Process of Preparing Them. Dec. 12, 1933.

Pat. 1,940,065. Separation and Purification of Ortho, Meta and Para Xylene. Dec. 19, 1933.

Pat. 1,940,092. Condensation Products of Resinic Acids. Dec. 19, 1933.

Pat. 1,941,108. Production of Vinyl Ethers. Dec. 26, 1933.

Pat. 1,941,111. Production of Metal Carbonyls. Dec. 26, 1933.

Pat. 1,942,146. Impregnated and Superficially Smoothed Article. Jan. 2, 1934.

Pat. 1,942,790. Vulcanization Accelerator. Jan. 9, 1934. Re. 19,286, Aug. 21, 1934.

Pat. 1,942,812. Production of Organic Products from 7.18-Stearic Glycol. Jan. 9, 1934. Re. 19,194, June 5, 1934.

Pat. 1,942,833. Production of High-Quality Wax-Like Substances. Jan. 9, 1934.

Pat. 1,944,306. Process for Producing 1.1.2.-Trichloro-Ethane. Jan. 23, 1934.

Pat. 1,944,530. Phosphoric Acid Esters. Jan. 23, 1934.

Pat. 1,944,849. Production of Metal Carbonyls. Jan. 23, 1934.

Pat. 1,948,299. Derivatives of Montane. Feb. 20, 1934.

Pat. 1,948,667. Phenol Ethers and Process of Preparing Them. Feb. 27, 1934.

Pat. 1,951,712. Process for Improving Fibrous Materials. Mar. 20, 1934.

Pat. 1,955,050. Production of Monocarboxylic Acids. Apr. 17, 1934.

Pat. 1,955,060. Production of Dimethylol Ketones and the Product Thereof. Apr. 17, 1934.

Pat. 1,955,068. Production of Artificial Masses from Polymerized Vinyl Alcohols and Aliphatic Aldehydes and Products Obtainable Thereby. Apr. 17, 1934.

Pat. 1,956,415. Process of Solubilizing Compounds Which are Difficultly Soluble or Insoluble in Water. Apr. 24, 1934.

Pat. 1,959,185. Production of Adhesives. May 15, 1934.

Pat. 1,959,898. Production of Phthalic Anhydride. May 22, 1934.

Pat. 1,959,927. Production of Vinyl Ethers. May 22, 1934.

Pat. 1,959,930. Hydroxy-Alkyl Ethers of Polyhydric Alcohols and Their Production. May 22, 1934.

Pat. 1,961,987. Production of Ethers. June 5, 1934.

Pat. 1,963,258. Manufacture of Valuable Products of Oxidation and Decarboxylation of Aromatic Compounds. June 19, 1934.

Pat. 1,964,868. Process of Preparing Methylene Chloride. July 3, 1934.

Pat. 1,964,934. Protection of Animal Fibers Against the Effects of Alkaline or Acid Mediums. July 3, 1934.

Pat. 1,966,478. Production of Amines. July 17, 1934.

Pat. 1,969,396. Production of Metallic Articles. Aug. 7, 1934.

Pat. 1,970,972. New Rubber Preserving Media. Aug. 21, 1934.

Pat. 1,971,305. Production of Waxy Products. Aug. 21, 1934.

Pat. 1,971,662. Ether of Polyvinyl Alcohol. Aug. 28, 1934.

Pat. 1,972,459. Reesterification of Natural Waxes and the Product Thereof. Sept. 4, 1934.

Pat. 1,972,463. Welding. Sept. 4, 1934.

Pat. 1,972,465. Production of Nitriles. Sept. 4, 1934.

Pat. 1,976,682. Production of Addition Compounds of Formyl Halides. Oct. 9, 1934.

Pat. 1,977,178. Production of 1.3.5.-Trimethyl-Benzene. Oct. 16, 1934.

Pat. 1,979,601. Conversion Products of Casein. Nov. 6, 1934.

Pat. 1,980,959. Artificial Mass. Nov. 13, 1934.

Pat. 1,981,109. Metal Pickling Process. Nov. 20, 1934.

Pat. 1,981,605. Refining of Cotton Seed Oil. Nov. 20, 1934.

Pat. 1,982,195. Preparation of Monocarboxylic Acids. Nov. 27, 1934.

Pat. 1,982,196. Manufacturing Monocarboxylic Acids. Nov. 27, 1934.

Pat. 1,982,197. Producing Monocarboxylic Acids. Nov. 27, 1934.

Pat. 1,986,067. Urea Condensation Product and Process of Preparing It. Jan. 1, 1935.

Pat. 1,987,114. Artificial Mass. Jan. 8, 1935.

Pat. 1,988,021. Production of Unsaturated Ketones. Jan. 15, 1935.

Pat. 1,988,876. Production of Benzoic Acid. Jan. 22, 1935.

Pat. 1,989,325. Amine of High Molecular Weight. Jan. 29, 1935.

Pat. 1,989,626. Production of Improved Natural Waxes. Jan. 29, 1935.

Pat. 1,990,245. Production of Polyhydric Alcohols. Feb. 5, 1935.

Pat. 1,990,609. Process of Vulcanizing Rubber. Feb. 12, 1935.

Pat. 1,990,610. Vulcanization Accelerator. Feb. 12, 1935.

Pat. 1,992,615. Production of Amino Compounds. Feb. 26, 1935.

Pat. 1,993,375. Production and Purification of Sulphonated Products. Mar. 5, 1935.

Pat. 1,996,738. Production of Condensation Products from Aromatic Hydrocarbons. Apr. 9, 1935.

Pat. 1,996,739. Production of Condensation Products from Aromatic Hydrocarbons. Apr. 9, 1935.

Pat. 1,996,833. Manufacture of Metal Carbonyls. Apr. 9, 1935.

Pat. 1,998,540. Iron Oxide Pigment and Process of Producing the Same as By-Products of the Reduction of Aromatic Nitro Compounds. Apr. 23, 1935.

Pat. 1,998,541. Iron Oxide Pigment and Process of Producing the Same as By-Products of the Reduction of Aromatic Nitro Compounds. Apr. 23, 1935.

Pat. 1,998,583. Inorganic Acid Esters of the Condensation Products of a Glycol and Chlorinated Paraffin Hydrocarbons. Apr. 23, 1935.

Pat. 1,999,432. Production of Aminoalkyl Sulphonic Acids. Apr. 30, 1935.

Pat. 2,000,252. Production of Acetals. May 7, 1935.

Pat. 2,000,329. Process of Preparing Alkali Metal Alcoholates. May 7, 1935.

Pat. 2,001,171. Process of Preparing Acetic Acid from Acetaldehyde. May 14, 1935.

Pat. 2,001,201. Pyridino Compounds and Their Production. May 14, 1935.

Pat. 2,004,534. Separation of Metals. June 11, 1935.

Pat. 2,004,546. Sulphonic Acid. June 11, 1935.

Pat. 2,004,884. Production of Acenaphthylene. June 11, 1935.

Pat. 2,005,183. Catalytic Oxidation of Ketones. June 18, 1935.

Pat. 2,006,987. Magnetic Material and Process for Its Production. July 2, 1935.

Pat. 2,009,948. Production of Unsaturated Alcohols. July 30, 1935.

Pat. 2,012,177. Artificial Masses and Processes of Preparing Them. Aug. 20, 1935.

Pat. 2,012,801. Production of Alkyl Derivatives of Ammonia. Aug. 27, 1935.

Pat. 2,012,928. Synthetic Tans. Aug. 27, 1935.

Pat. 2,013,108. Production of Carboxylic Amides. Sept. 3, 1935.

Pat. 2,013,496. Abradant. Sept. 3, 1935.

Pat. 2,013,973. Apparatus for the Production of Phthalic Anhydride and Benzoic Acid. Sept. 10, 1935.

Pat. 2,013,988. Process of Preparing Acetyl Chloride. Sept. 10, 1935.

Pat. 2,013,989. Process of Preparing Acetyl Chloride. Sept. 10, 1935.

Pat. 2,014,502. Sulphonated Higher Fatty Acid Ester of Polyhydric Alcohols and Its Production. Sept. 17, 1935.

Pat. 2,016,102. Production of Conversion Products of Rubber. Oct. 1, 1935.

Pat. 2,016,490. Production of Mixed Polymerization Products from Vinyl Ethers. Oct. 8, 1935.

Pat. 2,016,784. Production of Organic Sulpho Halides. Oct. 8, 1935.

Pat. 2,017,355. Vinyl Ether. Oct. 15, 1935.

Pat. 2,017,537. Production of Hydroxy-Alkylamino Carboxylic Acid Compounds. Oct. 15, 1935.

Pat. 2,019,883. Dehydrogenation of Hydrogenated Heterocyclic Compounds. Nov. 5, 1935.

Pat. 2,020,453. Production of Assistants for the Textile and Related Industries. Nov. 12, 1935.

Pat. 2,021,869. Production of Vinyl Ethers. Nov. 19, 1935.

Pat. 2,021,873. Process of Preparing Vinyl Esters. Nov. 19, 1935.

Pat. 2,023,191. Abrasive. Dec. 3, 1935.

Pat. 2,023,768. Derivatives from Drying Oils. Dec. 10, 1935.

Pat. 2,026,131. Production of Methyl Chloride. Dec. 31, 1935.

Pat. 2,026,863. Mercaptobenzothiazyl-Aryldisulphides. Jan. 7, 1936.

Pat. 2,027,199. Condensation Product. Jan. 7, 1936.

Pat. 2,034,297. Binding Agents and a Process of Preparing Them. Mar. 17, 1936.

Pat. 2,037,389. Nitriles of Higher Unsaturated Fatty Acids and a Process of Preparing Them. Apr. 14, 1936.

Pat. 2,037,442. Producing Organic Compounds Capable of Splitting off Halogen. Apr. 14, 1936.

Pat. 2,037,974. Sulphonic Acids of Higher Aliphatic Ketones. Apr. 21, 1936.

Pat. 2,040,212. Water-Soluble Condensation Products. May 12, 1936.

Pat. 2,041,493. Pulverulent Alloy. May 19, 1936.

Pat. 2,043,667. Soaking of Hides. June 9, 1936.

Pat. 2,043,965. Producing Amines. June 9, 1936.

Pat. 2,044,730. Production of Artificial Materials. June 16, 1936.

Pat. 2,045,049. Process for the Manufacture of New Tanning Materials. June 23, 1936.

Pat. 2,045,111. Cyanuric Acid. June 23, 1936.

Pat. 2,045,393. Dressing and Polishing Agents. June 23, 1936.

Pat. 2,045,888. Preparation of Sulphene Amides. June 30, 1936.

Pat. 2,050,582. Process of Mercerizing Cellulose Material. Aug. 11, 1936.

Pat. 2,052,138. Stable Carbamic Acid Chlorides. Aug. 25, 1936.

Pat. 2,053,845. Production of Aldehydes. Sept. 8, 1936.

Pat. 2,054,019. Base for Coating Compositions. Sept. 8, 1936.

Pat. 2,054,131. Fibrous Filling Materials for Stuffing Purposes. Sept. 15, 1936.

Pat. 2,055,391. Process of Preparing Acetals. Sept. 22, 1936.

Pat. 2,056,915. Production of Chrysene. Oct. 6, 1936.

Pat. 2,060,412. Oil Varnish. Nov. 10, 1936.

Pat. 2,061,520. Cyanuryl Derivatives of Dithio-Carbamic Acids. Nov. 17, 1936.

Pat. 2,061,934. Rubber-Like Synthetic High Molecular Masses. Nov. 24, 1936.

Pat. 2,061,946. Artificial Masses. Nov. 24, 1936.

Pat. 2,063,620. Cellulose Ester Compositions. Dec. 8, 1936.

Pat. 2,063,934. Production of Assistants for the Textile and Related Industries. Dec. 15, 1936.

Pat. 2,063,963. Reaction Products of Amines with Strong Polybasic Mineral Acids. Dec. 15, 1936.

Pat. 2,064,395. Organic Disulphides. Dec. 15, 1936.

Pat. 2,064,797. Production of Organic Amino Compounds. Dec. 15, 1936.

Pat. 2,064,883. Mercerizing. Dec. 22, 1936.

Pat. 2,066,075. Vinyl Esters of Carboxylic Acids and Their Production. Dec. 29, 1936.

Pat. 2,066,076. Producing Vinyl Ethers. Dec. 29, 1936.

Pat. 2,066,160. Production of N-Vinyl Compounds. Dec. 29, 1936.

Pat. 2,067,706. Artificial Compositions. Jan. 12, 1937.

Pat. 2,068,132. Production of Monomethylamine and Dimethylamine. Jan. 19, 1937.

Pat. 2,069,336. Production of Derivatives of Polyhydric Alcohols. Feb. 2, 1937.

Pat. 2,071,301. Production of Methylamines. Feb. 16, 1937.

Pat. 2,072,465. Production of Polymeric N-Vinyl Compounds. Mar. 2, 1937.

Pat. 2,072,525. Condensation Products from Hydroxylated Cyclic Compounds and Acetylene. Mar. 2, 1937.

Pat. 2,073,589. Production of Ethane Dithio Ethers. Mar. 9, 1937.

Pat. 2,073,600. Heterocyclic Hydrazines. Mar. 16, 1937.

Pat. 2,075,109. Preparation of Acylated Polyalkylene Polyamines. Mar. 30, 1937.

Pat. 2,078,638. Purification of Sulphonation Products. Apr. 27, 1937.

Pat. 2,081,766. Thioethers and Their Production. May 25, 1937.

Pat. 2,082,105. Production of Aliphatic Amines. June 1, 1937.

Pat. 2,082,477. Synthetic Tans and Process of Producing the Same. June 1, 1937.

Pat. 2,085,429. Preparation of Phenol. June 29, 1937.

Pat. 2,086,506. Splinterless Materials, Particularly Splinterless Glass. July 6, 1937.

Pat. 2,086,881. Production of Nickel and Iron Carbonyls. July 13, 1937.

Pat. 2,087,079. Production of N-Vinyl Compounds. July 13, 1937.

Pat. 2,088,085. Production of Stable and Efficient Foam. July 27, 1937.

Pat. 2,088,929. Apparatus for the Production of Phthalic Anhydride and Benzoic Acid. Aug. 3, 1937.

Pat. 2,090,953. Production of Trialkylamines. Aug. 24, 1937.

Pat. 2,091,373. Acetals of β-Ketoaldehydes. Aug. 31, 1937.

Pat. 2,091,636. Production of Trimethylamine. Aug. 31, 1937.

Pat. 2,092,622. Artificial Tanning Substances and Process of Preparing Them. Sept. 7, 1937.

Pat. 2,093,159. Catalytic Hydrogenation of Esters of Aliphatic Carboxylic Acids. Sept. 14, 1937.

Pat. 2,093,519. Process for the Manufacture of Condensation Products of Crotonaldehyde. Sept. 21, 1937.

Pat. 2,094,064. Production of Ethyl Chloride. Sept. 28, 1937.

Pat. 2,094,213. Process for the Manufacture of Polymer. Carboxylic Acids and Derivatives Thereof. Sept. 28, 1937.

Pat. 2,094,467. Production of New Thio Ethers. Sept. 28, 1937.

Pat. 2,094,837. Process of Preparing Alkylene Sulphides. Oct. 5, 1937.

Pat. 2,094,914. Process of Preparing Alkylene Sulphides. Oct. 5, 1937.

Pat. 2,095,224. Production of Nitriles. Oct. 12, 1937.

Pat. 2,095,457. Production of Assistants for the Textile and Related Industries. Oct. 12, 1937.

Pat. 2,095,814. Production of Assistants in the Textile and Related Industries. Oct. 12, 1937.

Pat. 2,096,181. Condensation Products. Oct. 19, 1937.

Pat. 2,097,854. Cyclopentadienone Condensation Compounds and Process of Making Them. Nov. 2, 1937.

Pat. 2,098,108. Production of Polymerization Products of Vinyl Ethers. Nov. 2, 1937.

Pat. 2,099,717. Process for the Production of Water-Soluble Condensation Products. Nov. 23, 1937.

Pat. 2,099,765. Finishing Textiles. Nov. 23, 1937.

Pat. 2,101,332. Process of Producing Synthetic Resins. Dec. 7, 1937.

Pat. 2,101,333. Process of Producing Synthetic Resins. Dec. 7, 1937.

Pat. 2,102,179. Polymerization Products from Styrene and Their Production. Dec. 14, 1937.

Pat. 2,104,000. Production of Polymerization Products from Vinyl Ethers. Dec. 28, 1937.

Pat. 2,104,001. Production of Polymerization Products from Vinyl Ethers. Dec. 28, 1937.

Pat. 2,104,002. Production of Polymerization Products from Vinyl Ethers. Dec. 28, 1937.

Pat. 2,104,290. Treating Fibrous Materials with Alkaline Liquids of Mercerizing Strength. Jan. 4, 1938.

Pat. 2,105,792. Unsaturated Ketones. Jan. 18, 1938.

Pat. 2,105,845. Production of Organic Sulphur Compounds. Jan. 18, 1938.

Pat. 2,106,158. Purifying Chlorinated Hydrocarbons. Jan. 25, 1938.

Pat. 2,106,465. Mercapto-Thiazole Derivatives. Jan. 25, 1938.

Pat. 2,108,147. Production of Amines. Feb. 15, 1938.

Pat. 2,108,712. Heterocyclic Hydroxy Compounds. Feb. 15, 1938.

Pat. 2,108,857. Process for the Production of Artificial Masses from Vinyl Esters. Feb. 22, 1938.

Pat. 2,108,886. Sulphamic Acid Substance. Feb. 22, 1938.

Pat. 2,108,887. Sulphamic Acid Substance. Feb. 22, 1938.

Pat. 2,109,981. Process of Preparing Polyvinyl Esters. Mar. 1, 1938.

Pat. 2,110,834. Acceleration of Vulcanization of Rubber. Mar. 8, 1938.

Pat. 2,111,698. Process of Preparing Hydrophobic Cellulose Fibers. Mar. 22, 1938.

Pat. 2,111,820. Alkyl Aromatic Acetic Acid and Homologues Thereof. Mar. 22, 1938.

Pat. 2,112,361. Synthetic Tans and Process of Producing the Same. Mar. 29, 1938.

Pat. 2,116,182. Production of Mercaptans. May 3, 1938.

Pat. 2,117,207. Amino Acids. May 10, 1938.

Pat. 2,118,674. Recovering Trimethylamine. May 24, 1938.

Pat. 2,118,685. Rendering Textile Materials Substantially Resistant to Creasing. May 24, 1938.

Pat. 2,118,863. Mixed Polymerization Products. May 31, 1938.

Pat. 2,118,864. Polymerization Products from Vinyl Esters. May 31, 1938.

Pat. 2,118,945. Mixed Polymerization Products. May 31, 1938.

Pat. 2,118,946. Mixed Polymerization Products. May 31, 1938.

Pat. 2,118,995. Process of Preparing Sulphonic Acids of Aliphatic Ethers of High Molecular Weight. May 31, 1938.

Pat. 2,119,899. Producing Aliphatic Alcohols of High Molecular Weight. June 7, 1938.

Pat. 2,122,124. Water-Soluble Condensation Products and a Process of Producing Same. June 28, 1938.

Pat. 2,122,125. Water-Soluble Condensation Products and a Process of Producing Same. June 28, 1938.

Pat. 2,122,981. Treatment of Fibrous Materials and of Preparations Therefor. July 5, 1938.

Pat. 2,123,556. Aliphatic Halogen-Nitro-Alcohols and Process of Preparing Them. July 12, 1938.

Pat. 2,123,733. Production of N-Vinyl Compounds. July 12, 1938.

Pat. 2,123,734. Production of N-Vinyl Compounds. July 12, 1938.

Pat. 2,123,986. Matting of Artificial Silk. July 19, 1938.

Pat. 2,123,987. Producing Matting Effects on Artificial Silk. July 19, 1938.

Pat. 2,125,393. β-Halogenated Vinyl Ketones. Aug. 2, 1938.

Pat. 2,125,594. Floor and Wall Covering Material. Aug. 2, 1938.

Pat. 2,125,649. Production of Polymerization Products from Thiovinyl Ethers. Aug. 2, 1938.

Pat. 2,126,232. Diaryl Methane Water-Soluble Condensation Products. Aug. 9, 1938.

Pat. 2,127,236. Dyeing Artificial Shaped Articles. Aug. 16, 1938.

Pat. 2,127,297. Process of Tanning Hides and Pelts with the Aid of Iron Compounds. Aug. 16, 1938.

Pat. 2,127,476. Production of Quaternary Ammonium Bases. Aug. 16, 1938.

Pat. 2,128,025. Production of Improved Wax Emulsions. Aug. 23, 1938.

Pat. 2,129,146. Insulating Dielectric Media. Sept. 6, 1938.

Pat. 2,130,550. Tanning Matter. Sept. 20, 1938.

Pat. 2,131,121. Process of Increasing the Fastness of Dyeings. Sept. 27, 1938.

Pat. 2,131,998. Cyclic Acetal. Oct. 4, 1938.

Pat. 2,132,361. Process of Chlorinating Methyl-Aromatic Compounds. Oct. 4 1938.

Pat. 2,136,928. Manufacture of Amines of High Molecular Weight Which Are Rich in Nitrogen. Nov. 15, 1938.

Pat. 2.136,949. Acceleration of Vulcanization of Rubber. Nov. 15, 1938.

Pat. 2,136,997. Tanning Agents. Nov. 15, 1938.

Pat. 2,137,314. Process of Producing Quaternary Ammonium Compounds. Nov. 22, 1938.

Pat. 2,137,664. α,β-Dihalogenethylketones. Nov. 22, 1938.

Pat. 2,141,477. Process of Preparing Aluminum Salts of Lower Aliphatic Acids. Dec. 27, 1938.

Pat. 2,142,688. Artificial Silk Fabric. Jan. 3, 1939.

Pat. 2,143,228. Process of Preparing Condensation Products. Jan. 10, 1939.

Pat. 2,143,352. Process of Improving Textile Materials. Jan. 10, 1939.

Pat. 2,144,067. Splinterless Glass. Jan. 17, 1939.

Pat. 2,144,297. Manufacture of Tanning Materials. Jan. 17, 1939.

Pat. 2,145,050. Production of Synthetic Resins. Jan. 24, 1939.

Pat. 2,146,354. Process of Preparing Aliphatic Fluorine Compounds. Feb. 7, 1939.

Pat. 2,147,000. Production of New Tanning Agents. Feb. 14, 1939.

Pat. 2,147,154. Process of Producing Polymerization Products of Vinyl Chloride. Feb. 14, 1939.

Pat. 2,148,893. Process for Preparing Tanning Agents. Feb. 28, 1939.

Pat. 2,151,507. Plastic Compositions from Polymerized Vinyl Compounds. Mar. 21, 1939.

Pat. 2,153,987. Vinyl Esters and a Process of Preparing Them. Apr. 11, 1939.

Pat. 2,153,993. Process of Producing N-Vinyl Compounds. Apr. 11, 1939.

Pat. 2,154,231. Composition of Matter for the Preparation of Fire Extinguishing Foam. Apr. 11, 1939.

Pat. 2,154,626. Production of Pure Benzoic Acid. Apr. 18, 1939.

Pat. 2,154,922. Sulphonated Organic Compounds and Method of Making Them. Apr. 18, 1939.

Pat. 2,155,877. Process for the Manufacture of Imidazolines Containing at Least 10 Carbon Atoms. Apr. 25, 1939.

Pat. 2,155,878. Manufacture of Imidazolines Containing at least 10 Carbon Atoms. Apr. 25, 1939.

Pat. 2,156,039. Process of Chlorinating Methane and the Homologues Thereof. Apr. 25, 1939.

Pat. 2,156,093. Process of Preparing Vinyl Esters. Apr. 25, 1939.

Pat. 2,156,095. Production of Condensation Products from Hydrogen Sulphide and Acetylene. Apr. 25, 1939.

Pat. 2,156,177. Preparation of Chlorides of Higher Fatty Acids. Apr. 25, 1939.

Pat. 2,156,828. Friction Bodies. May 2, 1939.

Pat. 2,157,347. Production of Vinyl Ethers Derived from Carbohydrates. May 9, 1939.

Pat. 2,157,348. Production of Aliphatic Vinyl Ethers by Means of Acetylene. May 9, 1939.

Pat. 2,158,311. Process of Preparing Polymeric Products. May 16, 1939.

Pat. 2,160,574. Manufacture of Carbon Tetrachloride. May 30, 1939.

Pat. 2,160,578. Production of Aliphatic Amines. May 30, 1939.

Pat. 2.161,288. Manufacture of Tanning Substances. June 6, 1939.

Pat. 2,161,328. Nondusting Calcium Cyanamide and a Process of Preparing Same. June 6, 1939.

Pat. 2,163,176. Process for Making Organic Sulphides. June 20, 1939.

Pat. 2,163,181. Process of Producing Halogen-Alkyl Amines or their Salts. June 20, 1939.

Pat. 2,165,265. Process of Imparting Hydrophobic Properties to Cellulose Fibers. July 11, 1939.

Pat. 2,165,484. Condensation Product Having an Amide-like Structure. July 11, 1939.

Pat. 2,165,515. Production of Amines by the Catalytic Hydrogenation of Nitriles. July 11, 1939.

Pat. 2,165,962. Production of Alkylidene Diethers or Ether-Esters. July 11, 1939.

Pat. 2,165,997. Process of Preparing Fire-Extinguishing Foam. July 11, 1939.

Pat. 2,166,600. Oxygen Containing Nitriles of the C_5-Series and a Process of Preparing Them. July 18, 1939.

Pat. 2,166,971. Production of Amines. July 25, 1939.

Pat. 2,167,914. Process of Improving Regenerated Cellulose. Aug. 1, 1939.

Pat. 2,168,161. Production of Carboxylic Acid Amides. Aug. 1, 1939.

Pat. 2,168,260. Process of Preparing Monohalogenation Products. Aug. 1, 1939.

Pat. 2,170,380. Aliphatic Sulphonic Acid. Aug. 22, 1939.

Pat. 2,170,746. Production of Tertiary Aliphatic Amines. Aug. 22, 1939.

Pat. 2,171,963. Condensation Product and Aqueous Solution Thereof. Sept. 5, 1939.

Pat. 2,171,965. Oily to Resinous Condensation Products and a Process of Preparing Them. Sept. 5, 1939.

Pat. 2,172,305. Resins Soluble in Alcohol. Sept. 5, 1939.

Pat. 2,172,568. Process of Preparing Alkyl Halides. Sept. 12, 1939.

Pat. 2,173,066. α-Halogenvinylketone. Sept. 12, 1939.

Pat. 2,173,069. Process of Producing Quaternary Ammonium Bases. Sept. 12, 1939.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 23, 1948

[VOL. 616. NO. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 513,371. AMERICAN LUGGAGE WORKS, INC., Providence, R. I. Filed Nov. 29, 1946.

AMERICAN TOURISTER

"American" and "American Luggage Works," which appear on the drawing, are disclaimed apart from the mark.

FOR TRUNKS AND HAND LUGGAGE—NAMELY, SUITCASES; SHIRT CASES; TOURIST CASES, FITTED TRAVELING BAGS AND CASES, GLADSTONE BAGS; TRAVELING BAGS; ENVELOPE WARDROBE CASES; BELLOWS AND TELESCOPE SUITCASES; LAUNDRY CASES; HAT BOXES; COMBINATION SHOE AND HAT CASES; SHOE CARRIERS; COLLAR BAGS; PORTFOLIOS FOR HANDKERCHIEFS, NECKTIES; ETC.; MEN'S FITTED TOILET KITS AND CASES FOR TRAVELING; JEWEL CARRYING-BOXES AND CARRYING-CASES; UTILITY CASES; COSMETIC CASES; WRITING PORTFOLIOS AND CASES; BATHING SUIT BAGS; BEACH BAGS; ANIMAL PET CARRIERS, DESIGNED FOR TRAVELING; LUNCHEON KIT CASES AND PICNIC OUTFIT CASES; COMBINATION BAGS AND BRIEF CASES; PHYSICIANS', SURGEONS' AND NURSES' PROFESSIONAL HANDBAGS; SALESMEN'S CASES AND SAMPLE CASES; SATCHELS AND HANDBAGS DESIGNED FOR CARRYING TOOLS; SCHOOL BAGS; MUSIC ROLLS AND PORTFOLIOS AND SLIP COVERS FOR LUGGAGE.

Claims use since June 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 489,679. ELLSWORTH RANSOM, doing business as Cleveland Mfg. Co., Cleveland, N. Y. Filed Oct. 9, 1945.

POLLY-BRITE

The word "Brite" is disclaimed apart from the mark as shown.

FOR METAL SPONGE FOR CLEANING KETTLES AND THE LIKE.

Claims use since Oct. 1, 1939.

Ser. No. 518,092. BETH A. MORRISON, doing business as Morrison's, Aloha, Oreg. Filed Feb. 25, 1947.

ACTIV

FOR CLEANER FOR COPPER.

Claims use since Oct. 3, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 506,275. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed July 25, 1946.

Dispelent

FOR INSECT REPELLENT.

Claims use since Feb. 1, 1946.

Ser. No. 511,272. PAUL FRIXON, Paris, France. Filed Oct. 22, 1946.

B.Q.X.

FOR DISINFECTANTS, AND VETERINARY MEDICINES AND PREPARATIONS—NAMELY, BLISTER PREPARATIONS, BOVINE LAXATIVES, ELIXIRS, COUNTER-IRRITANTS, COLIC MIXTURES, MANGE LOTIONS, PITUITARY EXTRACTS, LINIMENT, AND SALVES.

Claims use since Feb. 2, 1944.

Ser. No. 514,049. LENTHERIC, INCORPORATED, New York, N. Y. Filed Dec. 11, 1946.

GOLDEN BLAZE

The word "Golden" is disclaimed apart from the mark.

FOR VANITY CASE CONTAINING ROUGE.

Claims use since July 5, 1946.

Ser. No. 518,016. MAHER COLOR AND CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 24, 1947.

Hydroxamil

FOR CHEMICAL COMPOUND TO BE USED AS A COUPLING OR DEVELOPING AGENT IN THE DYEING OF DIAZATIZED COLORS ON VARIOUS FIBERS AND AS A DEVELOPING AND COUPLING AGENT FOR DIAZO COMPOUNDS.
Claims use since Nov. 15, 1946.

Ser. No. 520,246. THE ABIETSAM MANUFACTURING COMPANY LIMITED, London, England. Filed Apr. 7, 1947.

FLAROMA

FOR PERFUMES, FACE POWDER (NOT MEDICATED), BATH SALTS AND ESSENCES, TOOTH PASTE, HAIR OIL, EAU DE COLOGNE, BATH OILS, BATH POWDER, TOILET WATER, SKIN LOTIONS, FACIAL CREAMS, LIPSTICK, AND ROUGE.
Claims use since July 11, 1932.

Ser. No. 520,378. JULIO GONZALEZ CALDERON, Marysville, Calif. Filed Apr. 9, 1947.

Julio Gonzalez Calderon

The name "Julio Gonzales Calderon" is a facsimile signature of a member of the firm.
FOR PREPARATION FOR THE TREATMENT OF CORNS, CALLOUSES, ATHLETES FOOT, WARTS, AND ECZEMA.
Claims use since Oct. 12, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 515,444. NATIONAL HILIFE COMPANY, New York, N. Y. Filed Jan. 8, 1947.

ASHNAP

FOR ASH TRAYS, COMBINATION NAPKIN HOLDER AND ASH TRAY.
Claims use since September 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 522,006. TRI-SULEX CORPORATION, Nashville, Tenn. Filed May 7, 1947.



FOR HEAT AND SOUND INSULATING AND PROTECTIVE MATERIALS FOR METALS, APPLIED IN LIQUID OR PASTE FORM AND HAVING AN ASPHALT BASE.
Claims use since Dec. 27, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 519,990. THE STANLEY WORKS, New Britain, Conn. Filed Apr. 1, 1947.



FOR UPWARD ACTING GARAGE DOOR HARDWARE—NAMELY, ROLLER BRACKETS, DOOR PLATES, CARRIAGE BOLTS, JAMB PLATES, DOOR ARMS, REAR HANGERS, BUMPERS, TRACKS, SPRING BOLTS, PAWL STOPS, PAWL BRACKETS, AND OTHER PARTS SUCH AS BOLTS, HANDLES, SPRINGS, CLIPS, ROCKERS, BRACKETS, AND THE LIKE.
Claims use since Jan. 28, 1947.

CLASS 15

OILS AND GREASES

Ser. No. 503,116. PANHANDLE REFINING COMPANY, Wichita Falls, Tex., assignor to Panhandle Producing & Refining Company, a corporation of Delaware. Filed May 31, 1946.

Equavis

FOR MOTOR LUBRICATING OILS AND LUBRICATING GREASES.
Claims use since Apr. 15, 1946.

Ser. No. 513,408. MAX GISLER, doing business as The Lubricosos Specialties Mfg. Co., Houston, Tex. Filed Nov. 29, 1946.



The applicant disclaims the wording included in the mark except "Lubricosos" and the letters "SOS."
FOR VALVE GREASES.
Claims use since Oct. 15, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,351. P. LORILLARD COMPANY, New York, N. Y. Filed July 1, 1947. Under 10-year proviso.

Le Roy

FOR CIGARS.
Claims use since October 1894.

Ser. No. 525,622. P. LORILLARD COMPANY, New York, N. Y. Filed July 2, 1947. Under 10-year proviso.

HOFFMAN HOUSE

The drawing is lined for the colors blue and brown.
FOR CIGARS.
Claims use since February 1885.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 479,123. HARVEY MACHINE CO., INC., Los Angeles, Calif. Filed Jan. 29, 1945.

Harcraft

FOR ELECTRICAL APPARATUS—NAMELY, RADIO RECEIVING AND TRANSMITTING SETS, MECHANISM TO SUPPLEMENT THE FEEDING OF AMMUNITION IN MACHINE GUNS, AND THE LIKE, ELECTRIC MOTORS, AND POWER DEVICES FOR OPERATING AIRCRAFT PARTS—NAMELY, ELECTRIC ACTUATOR UNITS FOR WING FLAPS, LANDING GEAR, AND THE LIKE.
Claims use since Jan. 27, 1944.

Ser. No. 517,741. PHIL-MAR PRODUCTS COMPANY, Cleveland, Ohio. Filed Feb. 18, 1947.

Glastron

FOR ELECTRIC LAMP SHADES MADE OF PLASTIC COATED GLASS FABRIC.
Claims use since June 1, 1946.

Ser. No. 518,943. ERICKSON STEEL COMPANY, Cleveland, Ohio. Filed Mar. 13, 1947.

SAFE-T-VOICE

FOR ELECTRON TUBE CIRCUIT AUDIO AMPLIFIER CABINET SETS AND PARTS THEREOF.
Claims use since Oct. 30, 1940.

Ser. No. 522,875. THE MERCURY BATTERY CHARGER CO., Kansas City, Mo. Filed May 23, 1947.

jitter GUN

The term "Gun" is disclaimed apart from the mark.
FOR ELECTRICAL WELDING MACHINES AND WELDING GUN THEREFOR.
Claims use since Apr. 2, 1947.

Ser. No. 525,455. TRAV-LER RADIO CORPORATION, Chicago, Ill. Filed July 1, 1947.

TRAV-LER

FOR RADIO RECEIVING SETS.
Claims use since Jan. 1, 1937.

Ser. No. 525,456. TRAV-LER RADIO CORPORATION, Chicago, Ill. Filed July 1, 1947.

TRAVEL WITH TRAV-LER

The words "Travel With" are disclaimed apart from the mark as shown.
FOR RADIO RECEIVING SETS.
Claims use since Jan. 1, 1937.

Ser. No. 525,540. CENTRAL ELECTRIC MANUFACTURING COMPANY, Boulder, Colo. Filed July 2, 1947.

CENTRALUX

FOR ELECTRICAL MACHINES FOR SOLDERING AND SPOT WELDING, SUCH MACHINES ALSO BEING ADAPTED TO BE USED IN HEATING AND DEMAGNETIZING OPERATIONS.
Claims use since June 17, 1947.

Ser. No. 525,541. CENTRAL ELECTRIC MANUFACTURING COMPANY, Boulder Colo. Filed July 2, 1947.

DUALUX

FOR ELECTRICAL MACHINES FOR SOLDERING AND SPOT WELDING, SUCH MACHINES ALSO BEING ADAPTED TO BE USED IN HEATING AND DEMAGNETIZING OPERATIONS.
Claims use since June 17, 1947.

Ser. No. 525,542. CENTRAL ELECTRIC MANUFACTURING COMPANY, Boulder Colo. Filed July 2, 1947.

SOLDERETTE

FOR ELECTRICAL MACHINES FOR SOLDERING AND SPOT WELDING, SUCH MACHINES ALSO BEING ADAPTED TO BE USED IN HEATING AND DEMAGNETIZING OPERATIONS.
Claims use since June 17, 1947.

Ser. No. 525,543. CENTRAL ELECTRIC MANUFACTURING COMPANY, Boulder Colo. Filed July 2, 1947.

SPOTLUX

FOR ELECTRICAL MACHINES FOR SOLDERING AND SPOT WELDING, SUCH MACHINES ALSO BEING ADAPTED TO BE USED IN HEATING AND DEMAGNETIZING OPERATIONS.
Claims use since June 17, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 507,568. NOLAN E. BOUGHTON, doing business as The Caddy-Roll Company, Three Rivers, Mich. Filed Aug. 17, 1946.

CADDY-ROLL CO.

The word abbreviation "Co." is disclaimed apart from the mark.
FOR CARTS FOR GOLF BAGS.
Claims use since June 1, 1940.

Ser. No. 521,051. ABRANBEE DOLL CO., New York, N. Y. Filed Apr. 21, 1947.



No claim is made to the words "Quality Doll" and "Skin" apart from the mark.
FOR DOLLS.
Claims use since Feb. 11, 1947.

Ser. No. 521,135. DEWEY S. JOHNSTON, doing business as Euclid Novelty Company, Fort Worth, Tex. Filed Apr. 22, 1947.



FOR GAME PADDLES HAVING A BALL ATTACHED BY AN ELASTIC CORD.
Claims use since Jan. 1, 1946.

Ser. No. 521,297. VAN HEE BROTHERS PRODUCTS, Detroit, Mich. Filed Apr. 24, 1947.

"Gurgling Joe"

FOR ARTIFICIAL FISH BAITS AND ARTIFICIAL FISH LURES.
Claims use since February 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 509,768. GILETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Sept. 26, 1946.



The drawing is lined for shading only. The representation if a safety razor and blade is disclaimed apart from the mark.
FOR SAFETY RAZOR BLADES.
Claims use since Sept. 16, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 504,948. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Filed July 1, 1946.



FOR NEEDLES MADE OF FIRED CERAMIC MATERIAL FOR SOUND REPRODUCING EQUIPMENT.
Claims use since June 20, 1946.

Ser. No. 504,950. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Filed July 1, 1946.

SAPPHIRITE

FOR NEEDLES MADE OF FIRED CERAMIC MATERIAL FOR SOUND REPRODUCING EQUIPMENT.
Claims use since June 20, 1946.

Ser. No. 526,259. LAPIN PRODUCTS, INC., Newark, N. J. Filed July 4, 1947.

TOYMONICA

FOR MUSICAL INSTRUMENTS—NAMELY, HARMONICAS.
Claims use since Mar. 1, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 510,250. THE HEARST CORPORATION, New York, N. Y. Filed Oct. 4, 1946.

WHAT A FAMILY!

NEWSPAPER CARTOON PAGE AND/OR STRIP.
Claims use since Sept. 7, 1946.

Ser. No. 512,734. EDITORIAL SIGMAR, Buenos Aires, Argentina. Filed Nov. 16, 1946.



FOR PERIODICALS AND PRINTED BOOKS FOR CHILDREN.
Claims use since September 1941.

CLASS 39

CLOTHING

Ser. No. 503,949. SOCIETE A RESPONSABILITE LIMITEE: ETABLISSEMENTS RENE BARBOTIN, Paris, France. Filed June 14, 1946.



The picture is a fanciful picture of a knight. The device "Sans Maille a Partir" is a Gallicism, meaning: There is not the least object to contend about. The notation "Tricots de Luxe" is disclaimed apart from the mark as shown.
FOR HOSIERY, UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, DRESSES, SKIRTS, AND BLOUSES.
Claims use since Feb. 14, 1946.

Ser. No. 507,104. D. BYFORD & CO., LIMITED, Leicester, England. Filed Aug. 9, 1946.

Byford.

FOR STOCKINGS, SOCKS, AND THREE-QUARTER HOSE.
Claims use since Apr. 2, 1946.

Ser. No. 507,376. COHAN & ROTH, INCORPORATED, New York, N. Y. Filed Aug. 14, 1946.

Racing Colors

The word "Colors" is disclaimed apart from the mark.
FOR NECKTIES, CRAVATS, AND SCARFS.
Claims use since July 23, 1946.

Ser. No. 512,487. CARMEL BROTHERS, New York, N. Y. Filed Nov. 13, 1946.

Carmel
original

The word "Original" is disclaimed apart from the mark.
FOR LADIES' CLOAKS, COATS, AND SUITS.
Claims use since 1925.

Ser. No. 515,619. MINNIE GOLDFARB, administratrix of the estate of Joseph Goldfarb, New York, N. Y., assignor to Onyx Blouse Co., Inc., New York, N. Y., a corporation of New York. Filed Jan. 11, 1947.

Scholarship

FOR BOYS' AND GIRLS' OUTER BLOUSES, SHIRTS, AND SPORT POLO SHIRTS.
Claims use since May 1, 1919.

Ser. No. 516,311. REITER BROS., New York, N. Y. Filed Jan. 24, 1947.



The Indian head figure on the drawing is fanciful.
FOR TROUSER SUSPENDERS, GARTERS, AND ARM-BANDS.
Claims use since Dec. 9, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 507,965. BRADFORD DYEING ASSOCIATION, (U. S. A.), Westerly, R. I. Filed Aug. 24, 1946.

BRADCORSA

FOR PIECE GOODS OF RAYON AND WOOL, AND OF RAYON, COTTON, AND COMBINATIONS THEREOF.
Claims use since Aug. 13, 1946.

Ser. No. 519,049. BEAUNIT MILLS, INC., New York, N. Y. Filed Mar. 15, 1947.

BEAUCRUISE

FOR FABRICS IN THE PIECE OF RAYON FIBRES.
Claims use since Feb. 28, 1947.

Ser. No. 519,093. PEDIGREE FABRICS, INC., New York, N. Y. Filed Mar. 15, 1947.

Pedgee

FOR WOVEN FABRIC OF RAYON OR NYLON, OR MIXTURES THEREOF, SOLD BY THE PIECE.
Claims use since Feb. 17, 1947.

Ser. No. 520,295. PEDIGREE FABRICS, INC., New York, N. Y. Filed Apr. 7, 1947.

Pediswish

FOR WOVEN FABRIC OF RAYON OR NYLON, OR MIXTURES THEREOF, SOLD BY THE PIECE.
Claims use since January 1939.

Ser. No. 521,240. BOLAND MFG. CO., Chicago, Ill. Filed Apr. 24, 1947.

Crysto-Cleer

The word "Clear" is disclaimed apart from the mark as shown.
FOR SHOWER BATH CURTAINS.
Claims use since Apr. 6, 1945.

Ser. No. 521,829. DAVID SCHLISSEL, doing business as Phoenix Ribbon Co., New York, N. Y. Filed May 3, 1947.



The word "Quality" and the representation of the goods and of the spool are disclaimed apart from the mark as shown.
FOR RIBBONS OF COTTON, RAYON, SILK, AND COMBINATIONS THEREOF, SOLD BY THE PIECE, YARD, OR BOLT.
Claims use since Apr. 1, 1947.

Ser. No. 523,700. PEDIGREE FABRICS, INC., New York, N. Y. Filed June 6, 1947.

Pedigleam

FOR WOVEN FABRIC OF RAYON OR NYLON OR MIXTURES THEREOF, SOLD BY THE PIECE.
Claims use since April 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 504,169. FLORASYNTH LABORATORIES, INCORPORATED, New York, N. Y. Filed June 19, 1946.

FRUITOSYNTH

Applicant owns registration Nos. 177,204 and 353,939.
FOR FLAVORINGS, KNOWN ALSO AS FLAVORING EXTRACTS FOR FOOD PURPOSES.
Claims use since May 1, 1946.

Ser. No. 507,108. COASTAL TRADING COMPANY, Seattle, Wash. Filed Aug. 9, 1946.



The representation of the fish is disclaimed apart from the mark.
FOR CANNED SALMON.
Claims use since June 5, 1946.

Ser. No. 515,151. ARKANSAS RICE GROWERS COOPERATIVE ASSOCIATION, Stuttgart, Ark. Filed Jan. 2, 1947.

RICELAND

FOR RICE.
Claims use since Sept. 15, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 512,095. EARLE M. TABER, East Orange, N. J. Filed Nov. 5, 1946.



The word "Button" is disclaimed apart from the mark as shown.
FOR SCHOOL INSIGNIA BUTTONS.
Claims use since January 1946.

Ser. No. 524,628. HARRY B. SHANES, also doing business as Crafts Center, Salisbury, Vt. Filed June 21, 1947.
The lines shown as shading the letters in the drawing are for shading purposes only.

METALEX

FOR PACKAGED OUTFITS CONTAINING THE FOLLOWING MATERIALS—NAMELY, A MIMEOGRAPH STYLUS, A WOOD OR METAL ROD, A PEN-HOLDER, A DOUBLE BALL LEATHER TOOL, CARBON-PAPER, METAL SHEETS, MIMEOGRAPHED DRAWINGS, INSTRUCTION SHEETS, WOOD MOLDING FOR FRAMES, NAILS FOR FRAMES, WOOD PARTS FOR PLAQUES, SCREWS AND HOOKS USABLE IN THE EDUCATIONAL DEVELOPMENT OF CHILDREN.
Claims use since Oct. 6, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 513,448. MONARCH LEATHER COMPANY, Chicago, Ill. Filed Jan. 22, 1948.

YUCATAN

FOR LEATHER.
Claims use since 1914.

Ser. No. 528,945. OSCAR C. PALMER, doing business as Sno-Fluf Excelsior Manufacturing Company, Phoenix, Ariz. Filed July 19, 1947.

SNO-FLUF

FOR BALED EXCELSIOR, EXCELSIOR FOR PACKING FRESH FRUIT, EXCELSIOR FOR EVAPORATIVE COOLERS, AND EVAPORATIVE COOLER PADS MADE FROM EXCELSIOR.
Claims use since April 1938.

Ser. No. 539,884. GEO. LAUB'S SONS, Buffalo, N. Y. Filed Nov. 1, 1947.

BROWN-FLEX

The word "Brown" is disclaimed apart from the mark.
FOR LEATHER.
Claims use since September 1936.

CLASS 2

RECEPTACLES

Ser. No. 493,540. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo. Filed Aug. 29, 1947.

Priscilla

FOR UNFILLED COMPACTS OF BASE METAL, TRIMMED OR UNTRIMMED WITH CERAMIC OR OTHER WARE.
Claims use since January 1916.

Ser. No. 506,760. MARCALUS MANUFACTURING CO., INC., East Paterson, N. J. Filed Sept. 15, 1947.

MARCAL
PRODUCTS
ALL-WAYS DEPENDABLE

The words "Products All-Ways Dependable" are disclaimed apart from the mark.
FOR PAPER SANDWICH BAGS.
Claims use since August 1945.

Ser. No. 518,365. PLASTIC SHEET FABRICATION, INC., New York, N. Y. Filed Oct. 21, 1947.

PAILMASTER

The representation of the goods depicted on the drawing is disclaimed apart from the mark.
FOR HEAT INSULATING LINERS AND JACKETS FOR PAILS AND BUCKETS.
Claims use since Feb. 3, 1947.

Ser. No. 526,664. THE DILL MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

PRES-TO

FOR OILING DEVICE IN THE NATURE OF A SMALL OILING DEVICE SHAPED SIMILARLY TO A FOUNTAIN PEN AND ADAPTED TO BE CARRIED ON THE PERSON OF THE USER.
Claims use since May 1, 1938.

Ser. No. 544,264. HARTMANN-MALCOLM CO., doing business as Ever-Lasting Products Co., Chicago, Ill. Filed Dec. 13, 1947.

EPCO

FOR BURIAL CASKETS.
Claims use since Oct. 25, 1947.

Ser. No. 544,457. ODORA COMPANY, INC., New York, N. Y. Filed Dec. 16, 1947.

Odora-Whitmor

Applicant claims ownership of registrations Nos. 299,101, 315,565, 326,273, 347,068, and 350,123.
FOR GARMENT BAGS MADE OF PLASTIC FILM AND CARDBOARD BOXES COVERED WITH PAPER AND CARDBOARD BOXES COVERED WITH QUILTED FABRIC.
Claims use since Nov. 28, 1947.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 556,517. ALIDA V. ALLEN, doing business under the name and style of Alida Company, Jamaica, N. Y. Filed May 8, 1948.

ALIDA BAG

No claim is made for the word "Bag" apart from the mark as shown.
FOR LADIES' HAND AND SHOULDER BAGS.
Claims use since Dec. 3, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 522,714. GEORGE C. ROMBERGER, doing business as The Radium Hand Soap Company, Seattle, Wash. Filed Jan. 19, 1948.

RADIUM

FOR HAND SOAP IN PASTE FORM.
Claims use since November 1920.

Ser. No. 523,643. BEHR-MANNING CORPORATION, Troy, N. Y. Filed July 17, 1947.

RESINALL

FOR COATED ABRASIVES.
Claims use since Apr. 24, 1947.

Ser. No. 530,717. JOE C. BODE, JR., doing business as Manson Distributors, Aurora, Ill. Filed July 27, 1948.

"THAW-STICK"

FOR PREPARATION IN STICK FORM WHICH IS APPLIED TO WINDOWS TO PREVENT FOGGING AND FORMATION OF ICE IN COLD WEATHER.
Claims use since July 10, 1947.

Ser. No. 534,514. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Sept. 15, 1947. Under section 2f of the act of 1946.

CUDAHY'S QUICK SUDZ

Applicant claims ownership of registration No. 181,852.
FOR SOAP IN SHREDDED FORM READILY SOLUBLE IN WATER AND SOLD IN BARRELS FOR USE IN LAUNDRY WASHING MACHINES.
Claims use since Feb. 22, 1922.

Ser. No. 535,645. STERLING JONES LABORATORIES, doing business as R. A. Myers & Company, St. Paul, Minn. Filed Nov. 7, 1947.

RAMCO
RAMCO

FOR CLEANING AND SCOURING COMPOUNDS FOR ALL SURFACES, AND HAVING INCIDENTAL DEODORIZING AND WATER SOFTENING PROPERTIES—NAMELY, DETERGENT ABRASIVE SCOURING AND CLEANING COMPOUND, LIQUID SPOT CLEANER FOR TAPESTRY, RUGS, CLOTHING, AND RUBBERIZED GARMENTS, ALL PURPOSE CLEANER IN POWDERED FORM, CHEMICAL CLEANER FOR ASPHALT TILE, LINOLEUM, TERRAZZO, AND MARBLE, NEUTRAL OIL CLEANER FOR PAINTED, VARNISHED AND ENAMELED WOODWORK AND WALLS, PORCELAIN, VITREOUS WARE, AUTOMOBILES, AND LEATHER, PASTE CLEANER FOR LINOLEUM, COMPOSITION FLOORING, TILE AND MARBLE FLOORING, BOWLS, SINKS, TUBS, WOODWORK, AND WALL SURFACES, WINDOW GLASS CLEANER, WINDOW SHADE CLEANER, GLASS CLEANER (DIP RINSE), VENETIAN BLIND CLEANER, EYE GLASS CLEANER, METAL POLISH AND CLEANER; AND SOAP—NAMELY, LIQUID TOILET SOAPS, HAND SOAPS IN POWDER, PASTE, LIQUID, AND BAR FORM, SURGICAL SOAP, AND RUG SHAMPOO.
Claims use since Jan. 1, 1929.

Ser. No. 543,638. MEM COMPANY, New York, N. Y. Filed Dec. 6, 1947.

MEM

Applicant claims ownership of registration No. 282,642.
FOR SOAPS.
Claims use since Mar. 29, 1921.

Ser. No. 543,779. CEREAL SOAPS COMPANY, INC., New York, N. Y. Filed Dec. 9, 1947.

Derbac

Applicant claims ownership of registrations Nos. 199,534 and 272,869.
FOR TAR MEDICATED SHAMPOO SOAP.
Claims use since September 1920.

Ser. No. 548,016. PLASTICRETE AGGREGATES CORPORATION, Hamden, Conn. Filed Jan. 26, 1948.

TRAX

FOR ABRASIVE MIXTURE CONTAINING CINDERS, WOOD FIBERS, AND A MINOR AMOUNT OF ROCK SALT, USED FOR PREVENTING SLIP OF AUTOMOBILES AND PERSONS ON ICY PAVEMENT.
Claims use since Dec. 29, 1947.

Ser. No. 548,366. HANSON-VAN WINKLE MUNNING COMPANY, Matawan, N. J., and elsewhere. Filed Jan. 30, 1948.

ROYLITE

Applicant claims ownership of registration No. 149,007.
FOR COMPOSITION FOR CLEANING METALS.
Claims use since Mar. 14, 1921.

Ser. No. 548,370. HANSON-VAN WINKLE-MUNNING COMPANY, Matawan, N. J., and elsewhere. Filed Jan. 30, 1948.

SISALIN

FOR POLISHING, BRUSHING, AND BUFFING WHEELS.
Claims use since Jan. 15, 1937.

Ser. No. 551,090. COSMET COMPANY, Minneapolis, Minn. Filed Mar. 3, 1948.

Cosma Kote

The term "Kate" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 409,161.
FOR LIQUID COATING FOR GLASS AND LENS SURFACES FOR RESISTING SMEAR AND DUST.
Claims use since Feb. 15, 1947.

Ser. No. 551,610. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Mar. 10, 1948.

Distinguished Service

FOR SHAVE SOAP.
Claims use since Jan. 13, 1948.

Ser. No. 558,353. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948.

CUDA · SHEEN

Applicant disclaims the word "Sheen" apart from the mark as shown.
FOR CONCENTRATED LIQUID SOAP USED PRIMARILY FOR CLEANING FLOORS, WALLS, VARNISHED SURFACES, AND THE LIKE.
Claims use since Apr. 5, 1946.

Ser. No. 558,360. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948.

GLISSENITE

FOR COMBINATION OF ALKALIS FOR USE IN MECHANICAL DISHWASHING MACHINERY.
Claims use since Mar. 31, 1938.

Ser. No. 558,363. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948.

PANEX

FOR CLEANER FOR METAL SURFACES.
Claims use since Mar. 31, 1936.

Ser. No. 559,095. ENGINEERED PRODUCTS, INC., Denver, Colo. Filed June 12, 1948.

TOR-REX

FOR ABRASIVE COMPOSITIONS FOR SAND BLASTING AND THE LIKE.
Claims use since Feb. 11, 1948.

Ser. No. 563,015. R. P. SCHERER CORPORATION, Detroit, Mich. Filed Aug. 7, 1948.

G P

FOR CLEANSING AND DETERGENT COMPOSITIONS IN CAPSULE FORM FOR PERSONAL, HOUSEHOLD, COMMERCIAL, AND INDUSTRIAL USES WITH AND WITHOUT ADDED STERILIZING AND DEODORIZING INGREDIENTS.
Claims use since October 1933.

Ser. No. 563,016. R. P. SCHERER CORPORATION, Detroit, Mich. Filed Aug. 7, 1948.

GDP

FOR CLEANSING AND DETERGENT COMPOSITIONS IN CAPSULE FORM FOR PERSONAL, HOUSEHOLD, COMMERCIAL, AND INDUSTRIAL USES WITH AND WITHOUT ADDED STERILIZING AND DEODORIZING INGREDIENTS.
Claims use since October 1933.

CLASS 6

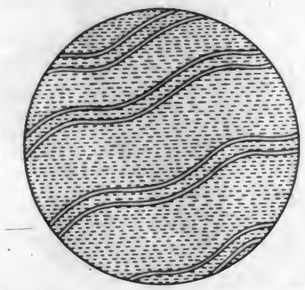
CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 492,925. KAY GASES CO., Chicago, Ill. Filed Apr. 17, 1948. Under section 2f of the act of 1946.
The drawing is lined to indicate red.

KAYGAS

FOR PROPANE, OXYGEN, HYDROGEN, ACETYLENE, CARBON DI-OXIDE AND COMPRESSED AIR.
Claims use since Feb. 1, 1934.

Ser. No. 500,891. MILLER PROTECTO PRODUCTS CO., Kalamazoo, Mich., a corporation of Michigan, assignee of Miller Protecto Products Co., Kalamazoo, Mich. Filed Aug. 21, 1947.



The drawing is lined for shading purposes only.
FOR BOTTLED LIQUID WHICH WHEN SPRAYED DEODORIZES AND FRESHENS THE AIR.
Claims use since Oct. 12, 1944.

Ser. No. 506,138. SUNSHINE PRODUCTS COMPANY, Seattle, Wash. Filed Oct. 17, 1947. Under section 2f of the act of 1946.

PinEdle

FOR DEODORANT AND DISINFECTANT.
Claims use since Jan. 15, 1937.

Ser. No. 514,662. KENT A. LENSEN & SON CO., INC., Greencastle, Ind. Filed Sept. 29, 1947.

KALSCOMIN

FOR SUPPLEMENT TO LIVESTOCK AND POULTRY FEED, CONSISTING PRINCIPALLY OF MINERALS AND VITAMINS.
Claims use since Dec. 8, 1944.

Ser. No. 517,830. THE CHATTANOOGA MEDICINE COMPANY, Chattanooga, Tenn. Filed Sept. 27, 1947.

Sōltice

FOR EXTERNAL RUB FOR RELIEVING CONGESTION DUE TO COLDS, FOR MUSCULAR SORENESS, LUMBAGO, SPRAINS, BRUISES, TIRED AND ACHING FEET, SIMPLE HEADACHE, AND NON-POISONOUS INSECT BITES AND STINGS.
Claims use since Dec. 13, 1946.

Ser. No. 518,555. NOPCO CHEMICAL COMPANY, Harrison, N. J., now by change of name from National Oil Products Co. Filed Jan. 29, 1948.

VIADEX

FOR HIGH POTENCY VITAMIN-CONTAINING SOLID, AS A DIETARY SUPPLEMENT FOR FORTIFYING ANIMAL AND POULTRY FOODS AND FEEDS.
Claims use since Jan. 27, 1947.

Ser. No. 526,625. PATRICK E. HUGHES, doing business as Hughes Pharmacal Co., San Antonio, Tex. Filed July 5, 1947.

C-S-O

(Carbocuilfol)

Applicant claims ownership of registration No. 404,983.
FOR ANTISEPTIC EMULSION FOR USE AS A MOIST DRESSING, FOR SUPERFICIAL BURNS, SUNBURN, CUTS, AND COMMON INSECT BITES.
Claims use since Aug. 1, 1942.

Ser. No. 527,428. TABLE ROCK LABORATORIES, INC., Greenville, S. C. Filed July 5, 1947.

ESPERON

Applicant claims ownership of registration No. 370,414.
FOR PREPARATION FOR THE TREATMENT OF ESSENTIAL HYPERTENSION, ARTERIOSCLEROSIS, THROMBOSIS AND IMPAIRED CORONARY CIRCULATION, CARDIAC DISTURBANCES, AND ANGINA PECTORIS.
Claims use since October 1937.

Ser. No. 527,724. VITAMINERALS, INC., Los Angeles, Calif. Filed July 5, 1947.



Applicant claims ownership of registration No. 357,104.
FOR ANALGESIC BALM, ANESTHETIC OINTMENT, ASTRINGENT PREPARATION, BENZOCAINE, BILE SALTS, BONE MEAL FOR USE AS A SOURCE OF CALCIUM AND PHOSPHORUS, CALCIUM PREPARATIONS, CHLOROPHYLL, COLLOIDAL SULPHUR, DIGESTIVE ENZYMES, ESTROGENS, EXTRACT OF OX BILE, GARLIC EXTRACTS, IODINE PREPARATIONS, IRON PREPARATIONS, IRON SULPHATE PREPARATIONS, KELP EXTRACTS, LAXATIVES, LIVER PREPARATIONS, MINERAL CONCENTRATE PREPARATIONS, MINERAL OINTMENTS, MINERAL RECTAL SUPPOSITORIES, MULTIPLE VITAMIN PREPARATIONS, PANCREATIN, PAPAIN, PHOSPHORUS PREPARATIONS, VITAMINS A, B-COMPLEX, C, D, E, F, AND K.
Claims use since Aug. 1, 1933.

Ser. No. 529,888. FRITZSCHE BROTHERS, INC., New York, N. Y. Filed July 29, 1947.

CENTIFOLIOL

FOR ROSE PERFUME BASE USED IN THE PRODUCTION OF PERFUME.
Claims use since July 14, 1947.

Ser. No. 531,957. RALPH N. TAKAKI, Honolulu, Territory of Hawaii. Filed Aug. 20, 1947.

SHINJU GWAN



The Japanese characters usually termed as "Shinju" meaning "pearl," "Gwan" meaning "circle," and "Akadama" meaning "crimson jewel" or "gem."
FOR MEDICINE FOR DIARRHEA.
Claims use since July 25, 1940.

Ser. No. 532,787. WINTERSMITH CHEMICAL COMPANY, Louisville, Ky. Filed Aug. 28, 1947. Under section 2f of the act of 1946 as to "Wintersmith."

HIERRO VITAMINADO de WINTERSMITH

No claim is made to the exclusive use of the words "Hierro Vitaminado" apart from the mark. A translation of "Hierro Vitaminado" is "Vitaminized Iron." Applicant claims ownership of registrations Nos. 32,800, 90,612, and 121,995.
FOR VITAMINIZED IRON.
Claims use since April 1947.

Ser. No. 534,156. LUCIEN LELONG, INC., Chicago, Ill. Filed Sept. 11, 1947.



Applicant claims ownership of registration No. 323,521.
FOR PERFUMES, COLOGNES, DUSTING POWDERS, TALCUM POWDERS, AND SACHET POWDERS.
Claims use since March 1942.

Ser. No. 535,114. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Sept. 20, 1947.

DYKASOL

FOR ACID EMULSION FOR USE AS A SURFACE HOMOGENIZER IN THE PREPARATION OF DIE CASTINGS FOR SUBSEQUENT ELECTROPLATING AND HAVING INCIDENTAL CLEANSING PROPERTIES.
Claims use since Aug. 1, 1947.

Ser. No. 537,044. INTERNATIONAL CHEMICAL WORKERS UNION, Akron, Ohio. Filed Oct. 7, 1947.



No claim is made to the words "Int. Chemical Workers" and "A. F. of L." apart from the mark as shown.
FOR CHEMICALS AND CHEMICAL PRODUCTS.
Claims use since 1944.

Ser. No. 538,538. THE GUERLAIN PERFUMERY CORPORATION, New York, N. Y. Filed Oct. 21, 1947. Under section 2f of the act of 1946.

ROSE LIP BENGALE

The words "Rose Lip" are disclaimed apart from the mark shown. Applicant claims ownership of registration No. 412,601.
FOR LIP STICKS.
Claims use since 1921.

Ser. No. 539,379. AMERICAN LABORATORIES INCORPORATED, Richmond, Va. Filed Oct. 29, 1947.



Applicant claims ownership of registration No. 128,599.
FOR PETROLATUM.
Claims use since Apr. 16, 1919.

Ser. No. 540,845. ALEXANDRA DE MARKOFF, INC., New York, N. Y. Filed Nov. 12, 1947.

Alexandra de Markoff

The name, Alexandra de Markoff, shown on the drawing, is the name of a deceased person. Applicant claims ownership of registrations Nos. 280,660, 374,863, and 409,273.
FOR FACIAL PREPARATIONS—NAMELY, SKIN CREAM, LIQUID SKIN CLEANSER, CLEANSING CREAM, STIMULATION CREAM, SKIN TONIC, COLD CREAM, ASTRINGENTS, PERFUMES, FACE POWDER, ROUGE, LIPSTICK, COLOGNE, TOILET WATER, EYE SHADOW, AND DUSTING POWDER, TALCUM POWDER, HAND LOTIONS AND CREAMS, POWDER AND ROUGE COMPACTS, BATH OIL.
Claims use since October 1929.

Ser. No. 540,946. VITAMINS, INC., Chicago, Ill. Filed Nov. 12, 1947.

VITINC

FOR VITAMIN PREPARATION FOR INDUSTRY.
Claims use since May 6, 1941.

Ser. No. 542,363. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Nov. 25, 1947. Under section 2f of the act of 1946.

Stalfort's '68

FOR SHOE DYE.
Claims use since Dec. 31, 1926.

Ser. No. 543,036. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

SS

Applicant claims ownership of registration No. 307,398.
FOR SILICATE OF SODA, EITHER ANHYDROUS, HYDRATED, OR IN SOLUTION.
Claims use since Apr. 17, 1933.

Ser. No. 543,505. M. F. C. CORPORATION, New York, N. Y. Filed Dec. 5, 1947.

MANAMINOS

FOR AMINO ACIDS AND COMBINATIONS THEREOF WITH HORMONES AND ENZYMES, PARTICULARLY FOR THE REINFORCEMENT OF HUMAN AND ANIMAL FOOD STUFFS.
Claims use since July 1, 1947.

Ser. No. 543,506. M. F. C. CORPORATION, New York, N. Y. Filed Dec. 5, 1947.

MANISTIDINE

FOR AMINO ACIDS AND COMBINATIONS THEREOF WITH HORMONES AND ENZYMES, PARTICULARLY FOR USE IN ANTIHISTAMIN MEDICATION.
Claims use since July 1, 1947.

Ser. No. 545,108. ENJAY COMPANY, INC., Wilmington, Del., and New York, N. Y. Filed Dec. 22, 1947.

PARADYNE

FOR CHEMICAL INGREDIENT USED AS AN ADDITIVE FOR LIQUID FUEL, USED, AMONG OTHER THINGS, AS INHIBITORS, LEAD STABILIZERS, AND FOR PREVENTING THE FORMATION OF GUM OR GUM FORMING MATERIALS IN THE FUEL, RETARDING OR PREVENTING HARMFUL DEPOSITS IN THE INDUCTION SYSTEMS AND ON VALVES OF INTERNAL COMBUSTION ENGINES, SOFTENING AND REMOVING OF PREFORMED GUMMY DEPOSITS ON VALVES, REDUCING AND PREVENTING VALVE STICKING AND PROVIDING SUPPLEMENTARY LUBRICATION TO PARTS NOT READILY SUPPLIED WITH LUBRICATION FROM THE OIL SYSTEM OF THE ENGINE.
Claims use since Mar. 7, 1947.

Ser. No. 546,722. NATIONAL LEAD COMPANY, Sayreville, N. J., and New York, N. Y. Filed Jan. 10, 1948.

CARBONOX

FOR COMPOSITION CONTAINING A WATER-DISPERSIBLE ORGANIC SALT FOR THE TREATMENT OF WELL-DRILLING FLUIDS.
Claims use since Oct. 1, 1947.

Ser. No. 547,641. THE MALTINE COMPANY, New York, N. Y. Filed Jan. 21, 1948.

RELARTH

FOR OVARIAN EXTRACT FOR USE IN OBSTETRICS.
Claims use since Dec. 10, 1947.

Ser. No. 547,642. THE MALTINE COMPANY, New York, N. Y. Filed Jan. 21, 1948.

RELEASIN

FOR OVARIAN EXTRACT FOR USE IN OBSTETRICS.
Claims use since Dec. 10, 1947.

Ser. No. 548,650. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed Feb. 3, 1948.

DIAMERAZOLE

FOR MEDICINE IN TABLET FORM CONTAINING THE THREE SULFONAMIDES—SULFATHIAZOLE, SULFADIAZINE, AND SULFAMERIZINE—USED IN THE TREATMENT OF SULFONAMIDE SUSCEPTIBLE INFECTIONS.
Claims use since Mar. 15, 1947.

Ser. No. 548,959. GLENDALE TOILETRIES, INC., Chicago, Ill. Filed Feb. 6, 1948.

Twain

FOR COLOGNE, HAND LOTION, COLOGNE DEODORANT, COLD CREAM, FACE POWDER, FACE AND COMPLEXION CREAM.
Claims use since Jan. 5, 1948.

Ser. No. 549,307. TWAYNE COSMETIC CO., Passaic, N. J. Filed Feb. 10, 1948.

Twayne

FOR LIPSTICKS.
Claims use since Dec. 18, 1947.

Ser. No. 549,683. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Feb. 13, 1948.

THERAFOLIN

Applicant claims ownership of registration No. 406,197.
FOR MEDICINAL PREPARATION OF VITAMINS USED IN THE TREATMENT OF NUTRITIONAL DEFICIENCIES.
Claims use since Jan. 26, 1948.

Ser. No. 559,907. COMPANIA SWIFT DE MONTEVIDEO, S. A., Montevideo, Uruguay. Filed June 22, 1948.

D
C S
M

Applicant claims ownership of Uruguay registration No. 46,037, dated Oct. 10, 1947.
FOR ABSORBENTS; ALTERATIVES; ANALGESIC PREPARATIONS; ANAPHRODISIACS; ANESTHETICS; ANODYNES; ANTACIDS; ANTIALLEGICS; ANTIANEMICS; ANTIARTHRITIC PREPARATIONS; ANTIASTHMATICS; ANTIBACTERIAL PREPARATIONS; ANTIBIOTICS; ANTICATARRHALS; ANTICHLORITICS; ANTIDOTALS; ANTIEMITICS; ANTIDYSENTERICS; ANTIEPILEPTICS; ANTIGONORRHEALS; ANTIHEMORRHAGICS; ANTIHYPNOTICS; ANTILEPROUS PREPARATIONS; ANTILEUKORRHEALS; ANTIMALARIALS; ANTINEURALGICS; ANTINEURITICS; ANTIPARASITICS; ANTIPERIODICS; ANTIPHLOGISTICS; ANTIPSORIATICS; ANTIPYRETICS; ANTIRHEUMATICS; ANTISCORBUTICS; ANTITUBERCULARS; ANTITUSSIVE PREPARATIONS; ANTISPASMODICS; ANTISYPHILITICS; ANTITETANIC PREPARATIONS; ANTIZYMOTICS; ASTRINGENTS; CARDIOTONIC PREPARATIONS; CHEMOTHERAPEUTIC AGENTS; CHEMOTHERAPEUTIC ANTIMONY COMPOUND; CHEMOTHERAPEUTIC ARSENICAL COMPOUND; CHOLAGOGUES; DIGESTANTS; DIURETICS; ENDOCRINES; EXPECTORANT PREPARATIONS; HEMOSTATIC PREPARATIONS; HYPNOTICS; IODINE COMPOUNDS; LAXATIVE PREPARATIONS; SEDATIVES; URETERAL RELAXANTS; URINARY ANTISEPTICS; VASOCONSTRICTORS; VASODILATORS; VITAMINS AND VITAMIN PREPARATIONS; EPIROCHETICIDES; APERIANTS; APHRODISIACS; CARDIAC SEDATIVES AND STIMULANTS; CATHARTICS; CEREBRAL DEPRESSANTS AND STIMULANTS; COUNTER-IRRITANTS; DEMULCENTS; DEPRESSANTS; EMETICS; EMMENAGOGUES; EXPECTORANTS; NARCOTICS; PARASITICIDES; PURGATIVES; PROPHYLACTICS; RESTORATIVES; RUBEFACIENTS; SOPORIFICS; STYPTICS; VERMICIDES; VESICANTS; ALCOHOL FOR MEDICINAL PURPOSES; PREPARATIONS FOR TREATING CORNS, CALLI, AND WARTS; GUM AND TOOTHACHE DROPS; COUGH AND COLD REMEDIES; VETERINARY MEDICINES AND PREPARATIONS—NAMELY, BLISTER PREPARATIONS, BOVINE LAXATIVES, ELIXIRS, COUNTER-IRRITANTS, COLIC MIXTURES, MANGE LOTIONS, PITUITARY EXTRACTS, LINIMENT, AND SALVES; ANTISEPTICS, DEODORANTS AND DISINFECTANTS FOR HOSPITAL, SURGICAL, AND HOUSEHOLD USE; ANY AND ALL OF THE AFOREMENTIONED PRODUCTS BEING IN ANY ONE OR ANOTHER OF THE FOLLOWING FORMS: AMPOULES, CRUDE DRUGS, CRYSTALS, ELIXIRS, EMULSIONS, EXTRACTS (SOLID AND FLUID), LINIMENTS, LIQUIDS, LOZENGES, MIXTURES, OINTMENTS, PILLS, POWDERS, SOLIDS, SOLUTIONS, SPIRITS, SUPPOSITORIES, SYRUPS, TABLETS, TINCTURES, AND TROCHES; ACIDS—NAMELY, ACETIC, ARSENOUS, BENZOIC, BORIC, CARBOLIC, CITRIC, GALLIC, HYDRIODIC, HYDROCHLORIC, HYPOPHOSPHOROUS, LACTIC, NITRIC, OXALIC, PHOSPHORIC, PICRIC, SALICYLIC, STEARIC, SULPHURIC, TANNIC; TARTARIC; ANILINE; FORMALDEHYDE; COCOA BUTTER FOR MEDICINAL PURPOSES; DENTIFRICES; PITCH, BALSAM, GUMS, AND RESINS FOR MEDICINAL PURPOSES; SKIN LOTIONS AND SKIN CREAMS; COLOGNES; PERFUMES; TOILET POWDERS AND TOILET WATER; NAIL POLISH; LIPSTICK AND ROUGE; HAIR DYES, RINSES, AND POMADES; DEPILATORIES; AND EYE SHADOW AND MASCARA.

CLASS 7
CORDAGE

Ser. No. 555,028. TUBBS CORDAGE COMPANY, San Francisco, Calif. Filed Apr. 19, 1948.

Flying Chief

FOR MANILA LARIAT ROPE.
Claims use since June 30, 1944.

CLASS 11
INKS AND INKING MATERIALS

Ser. No. 540,174. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y. Filed Nov. 5, 1947.

COLUMBIA RIBBON & CARBON MFG. CO., INC. Columbia

The words "Carbon Paper," "Typewriter Ribbons," and "Ribbon & Carbon Mfg. Co. Inc." are disclaimed. Applicant claims ownership of registration No. 83,818.
FOR CARBON PAPER AND TYPEWRITER RIBBONS.
Claims use since Nov. 1, 1907.

Ser. No. 554,805. THE MULTISTAMP COMPANY, INC., Norfolk, Va. Filed Apr. 16, 1948. Under section 2f of the act of 1946.

MULTISTAMP

Applicant claims ownership of registrations Nos. 260,366, 260,367, 261,306, 297,491, 299,179, and 370,812.
FOR STAMPING OR STENCILING INKS, AND EMBOSSING POWDERS.
Claims use since May 13, 1928.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 520,319. BLUE RIDGE QUARRIES, INC., Slatington, Pa. Filed Oct. 24, 1947. Under section 2f of the act of 1946.

BLUE RIDGE

The drawing is lined to indicate the color "blue."
FOR ROOFING SLATES AND STRUCTURAL SLATE.
Claims use since Jan. 1, 1925.

Ser. No. 527,181. THE PRESSTITE ENGINEERING COMPANY, St. Louis, Mo. Filed July 5, 1947.

PERMAGUM

Applicant claims ownership of registration No. 356,814.
FOR SEALING COMPOUND IN BULK AND IN EXTRUDED BEADS AND RIBBONS, FOR MECHANICAL JOINTS IN MECHANICAL REFRIGERATORS, AUTOMOBILES, AND OTHER TYPES OF VEHICLES AND EQUIPMENT.
Claims use since Dec. 1, 1937.

Ser. No. 530,568. ROCK-TRED CORPORATION, Chicago, Ill. Filed Aug. 5, 1947.

FLOORDRESS

FOR MASTIC ASPHALTIC FLOOR COATING MATERIAL.
Claims use since June 1947.

Ser. No. 531,285. ANGIER CORPORATION, Framingham, Mass. Filed Aug. 14, 1947.

ANSULATE

FOR STRAND REINFORCED, MULTI-PLY BUILDING PAPER.
Claims use since 1931.

Ser. No. 536,335. BAKER PAINT & VARNISH CO., Jersey City, N. J. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

SASHMILL PRIMELESS

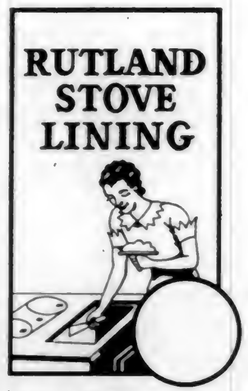
Applicant claims ownership of registration No. 169,032.
FOR PUTTY.
Claims use since Mar. 1, 1922.

Ser. No. 537,656. THE BELIZE ESTATE & PRODUCE COMPANY, LIMITED, London, England. Filed Oct. 13, 1947.

BEC

FOR SAWN TIMBER.
Claims use since 1890.

Ser. No. 541,186. RUTLAND FIRE CLAY COMPANY, Rutland, Vt. Filed Nov. 14, 1947. Under section 2f of the act of 1946.



The representation of the human figure is fanciful. No claim is made to the words "Stove" or "Lining" or to the representations of the stove and the plastic stove lining compound apart from the mark as shown. Applicant claims ownership of registrations Nos. 152,078, 161,832, 324,155, and 324,156.
FOR COMPOUND INCLUDING ASBESTOS TO BE MIXED WITH WATER TO MAKE A PLASTIC STOVE LINING.
Claims use since Jan. 1, 1928.

Ser. No. 541,207. SIMPLEX PAPER CORPORATION, Adrian, Mich. Filed Nov. 14, 1947.

SATAFIBRE

FOR PAPER AND/OR BOARD OF ONE OR MORE PLIES, MADE FROM FIBRE TREATED OR SATURATED WITH ASPHALT, FOR VARIOUS USES SUCH AS BUILDING PAPER, INDUSTRIAL PAPER, AUTOMOBILE PANELS, RADIO PARTS, FURNITURE PIECES, ETC.
Claims use since Oct. 1, 1936.

Ser. No. 546,142. LAWRENCE PORTLAND CEMENT COMPANY, New York, N. Y., and Siegfried, Pa. Filed Oct. 22, 1947.



No claim is made for the words "Rapid Hardening Superior Cement, Waterproof Absolutely," except in the setting and relation as shown. The drawing is lined to indicate the colors red and blue. Applicant claims ownership of registrations Nos. 74,139, 74,234, 322,806, and 270,877.
FOR BUILDING CEMENT.
Claims use since Oct. 1, 1927.

Ser. No. 556,738. VERMONT MARBLE COMPANY, Proctor, Vt. Filed Jan. 29, 1948.

MARKWA

Applicant claims ownership of registration No. 347,653.
FOR MARBLE TILE.
Claims use since Jan. 25, 1937.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 532,259. THE WILLIAMS-BOWMAN RUBBER CO., Cicero, Ill. Filed Aug. 23, 1947.

Wilbow

FOR PLUMBING SPECIALTIES—NAMELY, RUBBER TANK BALLS, TANK BALL STEMS, RUBBER STOPPERS, VALVE STEMS, RUBBER VALVE BALLS, TANK FLOATS, FLOAT RODS, ANTI-SPLASHERS FOR FAUCETS, ELBOWS, FURNACE BULBS, RUBBER BUMPERS FOR TOILET SEATS AND THE LIKE AND SUCTION CUPS.
Claims use since 1915.

Ser. No. 533,537. CARROLLTON MANUFACTURING COMPANY, Carrollton, Ohio. Filed Sept. 5, 1947.

VENUS WARE

The word "Ware" is disclaimed apart from the mark as shown.
FOR STAINLESS STEEL COOKING UTENSILS—NAMELY, SAUCE PANS, SAUCE POTS, STOCK POTS, DISH PANS, DOUBLE BOILERS, FRYING PANS, PUDDING PANS, SKILLETS, ROASTERS, MIXING BOWLS, CASSEROLES, COFFEE POTS, TEA KETTLES, PERCOLATORS, SERVERS, DUTCH OVENS, GRIDDLES, PITCHERS, COLANDERS, CAKE SAVERS, PIE PANS, CAKE PANS, INDIVIDUAL CASSEROLES, OBLONG SERVING TRAYS, ROUND BEVERAGE TRAYS, FOOTED BOWLS, DINNER PLATES, SOUP PLATES, SAUCERS, AND CUPS.
Claims use since 1931.

CLASS 15

OILS AND GREASES

Ser. No. 535,708. INDEPENDENT REFINERS SERVICE CORPORATION, Wichita, Kans. Filed Sept. 25, 1947.



The word "Service" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 337,006.
FOR MOTOR LUBRICATING OILS AND GREASES.
Claims use since Apr. 8, 1935.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 523,397. P. LORILLARD COMPANY, New York, N. Y. Filed Sept. 3, 1947.

EMBASSY

FOR CIGARETTES.
Claims use since May 22, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 485,315. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Oct. 29, 1947. Under section 2f of the act of 1946.

TRUETONE

FOR RADIO RECEIVING SETS AND RADIO TUBES.
Claims use since July 1, 1930.

Ser. No. 506,060. THE PURE OIL COMPANY, Chicago, Ill. Filed Dec. 11, 1947.

Puritan

FOR RADIO RECEIVING SETS.
Claims use since Apr. 18, 1946.

Ser. No. 519,060. CUTLER-HAMMER, INC., Milwaukee, Wis. Filed Oct. 23, 1947.

ULTRAFLEX

FOR ELECTRONIC MOTOR CONTROL EQUIPMENT—TO WIT: STARTING, STOPPING, REVERSING AND SPEED REGULATING APPARATUS FOR MOTORS.
Claims use since Dec. 30, 1946.

Ser. No. 522,203. THE METAL WARE CORPORATION, Two Rivers, Wis. Filed Mar. 8, 1948.

EMPIRE

FOR ELECTRIC PERCOLATORS, ELECTRIC TOASTERS, ELECTRIC SANDWICH TOASTERS, ELECTRIC WAFFLE IRONS, ELECTRIC HOT PLATES, ELECTRIC TEA KETTLES, ELECTRIC BOTTLE WARMERS, ELECTRIC RADIANT HEATERS AND ELECTRIC LANTERNS.
Claims use since 1922.

Ser. No. 528,959. SOUND RECORDER & REPRODUCER CORPORATION, Philadelphia, Pa. Filed July 19, 1947.

MAGNETSONIC

FOR MAGNETIC TAPE REPRODUCERS AND RECORDERS.
Claims use since June 2, 1947.

Ser. No. 529,810. NOBLITT-SPARKS INDUSTRIES, INC., Columbus, Ind. Filed July 28, 1947. Under section 2f of the act of 1946.

ARVIN

FOR RADIO RECEIVING SETS, PORTABLE ELECTRIC ROOM HEATERS, PORTABLE ELECTRIC GRILLS AND WAFFLE BAKERS, AND ELECTRIC SAD IRONS.
Claims use since June 15, 1931.

Ser. No. 529,909. MID-WEST REFINERIES, INC., Grand Rapids, Mich. Filed July 29, 1947.

EN-AR-CO

The lining on the drawing indicates the color blue.
FOR STORAGE BATTERIES.
Claims use since June 17, 1947.

Ser. No. 533,190. HARRY NABUT, New York, N. Y. Filed Sept. 3, 1947.

"THREE ZONE"

FOR ILLUMINATING REFLECTOR FOR AN ELECTRIC LAMP.
Claims use since June 20, 1945.

Ser. No. 534,593. BEAUTYTIME RADIO SERVICE COMPANY, Los Angeles, Calif. Filed Sept. 16, 1947.

Beautytime

FOR RADIO RECEIVING SETS.
Claims use since Aug. 28, 1947.

Ser. No. 538,257. THE ELECTRIC CONTROLLER & MANUFACTURING COMPANY, Cleveland, Ohio. Filed Oct. 18, 1947.

CONTRADYNE

Applicant claims ownership of registration No. 399,460.
FOR ELECTRIC CONTROLLERS FOR CONTROLLING THE ELECTRIC MOTOR WHICH DRIVES THE HOISTING MECHANISM OF CRANES.
Claims use since Oct. 4, 1947.

Ser. No. 542,227. MARS SIGNAL-LIGHT COMPANY, Chicago, Ill. Filed Aug. 15, 1947.



Applicant claims ownership of registration No. 368,964.
FOR ELECTRIC HEADLIGHTS AND SIGNAL LAMPS FOR STREET AND RAILWAY CROSSINGS, FIRE TRUCKS, EMERGENCY TRUCKS, AUTOMOBILES, DIESEL LOCOMOTIVES, RAILWAY ENGINES AND CARS, STREET CARS, AMBULANCES, AND REAR LIGHTS FOR RAILWAY CARS.
Claims use since June 1, 1924.

Ser. No. 542,653. PRITCHETT & GOLD AND E. P. S. COMPANY LIMITED, Essex, England. Filed Nov. 28, 1947.

PORVIC

Applicant claims ownership of British No. 620,729.
FOR STORAGE BATTERIES AND PARTS THEREOF.

Ser. No. 547,053. THE THOMAS & BETTS CO., Elizabeth, N. J. Filed Jan. 14, 1948.

INSULINER

Applicant claims ownership of registration No. 390,789.
FOR ELECTRICAL CONDUIT FITTINGS, PARTICULARLY INSULATING SLEEVES FOR USE IN CONNECTION WITH ELECTRICAL WIRING RACEWAY SYSTEMS.
Claims use since Nov. 14, 1939.

Ser. No. 547,058. THE THOMAS & BETTS CO., Elizabeth, N. J. Filed Jan. 14, 1948.

INSULETS

FOR INSULATING CONNECTORS FOR ARMOURED AND METALLIC SHEATHED CABLES.
Claims use since January 1927.

Ser. No. 499,053. LEON F. DOUGLASS, JR., Hollywood, Calif., assignee of Elliott Donnelley, doing business as Scale-Craft & Co. Filed Oct. 14, 1947.

SCALE-CRAFT
MODEL RAILROADS

No claim is made to the exclusive use of the representation of the goods nor to the words "Model Railroads" apart from the mark. Applicant claims ownership of registration No. 317,034.
FOR SETS OF PARTS FOR MODELS OF LOCOMOTIVES AND RAILWAY CARS FOR USE AS TOYS.
Claims use since October 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 509,884. SELCHOW & RIGHTER COMPANY, Brooklyn, N. Y. Filed Sept. 23, 1947.

S&R
TRADE MARK

The words "Trade Mark" are disclaimed.
FOR PARAPHERNALIA FOR GAMES OF THE BOARD AND COUNTER, CARD, PURSUIT, SKILL, CAPTURE, CHANCE, PICTURE-PUZZLE AND FORTUNE TELLING TYPES.
Claims use since May 21, 1946.

Ser. No. 529,248. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed July 23, 1947.

MAM'SELLE

FOR COIN-CONTROLLED BALL ROLLING GAME.
Claims use since May 26, 1947.

Ser. No. 529,250. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed July 23, 1947.

VANITIES

FOR COIN-CONTROLLED BALL ROLLING GAME.
Claims use since May 26, 1947.

Ser. No. 534,141. JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

Heddon

Applicant claims ownership of registration No. 374,978.
FOR FISHING RODS, FISHING REELS, ARTIFICIAL CASTING BAITS, FISH LINES, FISH HOOKS, FISH LURES, FISH STRINGERS, FISHING LINE FLOATS, STEEL SHAFTS FOR GOLF CLUBS.
Claims use on fishing rods, fishing reels, and artificial casting baits since January 1913; on fish lines since 1917; on fish hooks since 1923; on fish lures since 1924; on stringers and floats since 1931; and on steel shafts for golf clubs since 1937.

Ser. No. 534,143. JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

WILDER-DILG

FOR ARTIFICIAL BAITS.
Claims use since 1923.

Ser. No. 537,628. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 11, 1947.

TRU-FLITE

Applicant claims ownership of registration No. 388,130.
FOR SHUTTLECOCKS, BASKETBALLS, GOLF CLUBS, GOLF BALLS, TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, TABLE TENNIS BATS, TABLE TENNIS BALLS, FOOTBALLS, SOCCER-BALLS, AND VOLLEYBALLS.
Claims use since 1941.

Ser. No. 538,122. ROBERT Y. GRANT, INC., Fitchburg, Mass. Filed Oct. 17, 1947.

WARBLER

FOR TOY WHISTLES.
Claims use since Jan. 16, 1947.

Ser. No. 540,043. JOHN CALVIN CORB, INC., Huntington, W. Va. Filed Nov. 4, 1947.

YOGI-STICK

FOR EXERCISE BAR CONSISTING OF A WEIGHTED METAL BAR HAVING RUBBER TIPS ON EACH END AND USED IN CONNECTION WITH GYMNASTIC EXERCISES.
Claims use since Apr. 1, 1947.

Ser. No. 543,870. THE ASHLAND RUBBER PRODUCTS CORPORATION, Ashland, Ohio. Filed Dec. 10, 1947.

"Toytime"

FOR RUBBER TOY BALLOONS.
Claims use since Aug. 5, 1947.

Ser. No. 544,217. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Dec. 12, 1947.

PARAMOUNT

Applicant claims ownership of registration No. 284,815.
FOR TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS AND GOLF CLUBS.
Claims use since 1916.

Ser. No. 544,218. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Dec. 12, 1947.

DOT

Applicant claims ownership of registration No. 52,125.
FOR GOLF BALLS, TENNIS BALLS, AND TABLE TENNIS BALLS.
Claims use since July 1, 1905.

Ser. No. 544,219. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Dec. 12, 1947.

BULLET

FOR GOLF BALLS AND TABLE TENNIS BALLS.
Claims use since 1924.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 504,668. FARM & HOME MACHINERY CO., Orlando, Fla. Filed Apr. 7, 1948.

fARMCo

FOR GENERAL AGRICULTURAL IMPLEMENTS—NAMELY, PLOWS, CULTIVATORS, SPRAY OUTFITS, TRACTORS, IRRIGATION PUMPS, AND IRRIGATION PUMPING UNITS.
Claims use since July 1, 1939.

Ser. No. 528,719. C. HOWARD HUNT PEN CO., Camden, N. J. Filed July 16, 1947.

Ranger

FOR PENCIL SHARPENERS.
Claims use since Apr. 8, 1947.

Ser. No. 528,989. CLARK EQUIPMENT COMPANY, Buchanan, Mich. Filed July 21, 1947.

CELFOR

Applicant claims ownership of registration No. 82,206.
FOR DRILLS, REAMERS, DRILL SOCKETS, CHUCKS, BORING BARS, COUNTERSINKS, AND CUTTING TOOLS FOR LATHES.
Claims use since October 1909.

Ser. No. 529,210. THE THEW SHOVEL COMPANY, Lorain, Ohio. Filed July 22, 1947. Under section 2f of the act of 1946.

THEW

Applicant claims ownership of registrations Nos. 344,339 and 402,809.
FOR POWER CRANES, POWER SHOVELS AND POWER DRAGLINE MACHINES.
Claims use since 1900.

Ser. No. 529,212. THE THEW SHOVEL COMPANY, Lorain, Ohio. Filed July 22, 1947. Under section 2f of the act of 1946.



The words "Center Drive" and the representation of the gears are disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 344,339 and 402,809.
FOR POWER CRANES AND POWER SHOVELS.
Claims use since June 15, 1929.

Ser. No. 529,585. BRANICK MANUFACTURING COMPANY, INCORPORATED, Fargo, N. D. Filed July 26, 1947. Under section 2f of the act of 1946.

BRANICK

FOR TIRE TOOLS AND TIRE HANDLING APPARATUS—NAMELY, TIRE SPREADERS AND APPARATUS FOR REMOVING PNEUMATIC TIRES FROM THEIR RIMS.
Claims use since 1910.

Ser. No. 530,205. IVERS-LEE COMPANY, Newark, N. J. Filed Aug. 1, 1947. Under section 2f of the act of 1946.
Applicant claims ownership of registrations Nos. 360,178 and 362,523.

IVERS-LEE

FOR MACHINERY FOR HANDLING PACKAGING MATERIAL AND FOR PRODUCING AND FABRICATING PACKAGES AND WRAPPINGS—NAMELY, TABLET PACKAGING MACHINES, POWDER PACKAGING MACHINES, TEA BALL MACHINES, MACHINES FOR PACKAGING OTHER ARTICLES AND FLUENT SUBSTANCES IN ENVELOPE-LIKE PACKAGES MADE PRINCIPALLY OF TWO OPPOSED LAYERS OF SHEET MATERIAL THERMOPLASTICALLY SEALED TOGETHER AT THEIR MARGINS TO FORM A COMPARTMENT FOR THE ARTICLE TO BE PACKAGED, WITH OR WITHOUT FOLDED PAPER COVERS.
Claims use since 1919.

Ser. No. 530,579. SIMPLEX WRAPPING MACHINE COMPANY, Oakland, Calif. Filed Aug. 5, 1947.

SIMPLEX

FOR BAG MAKING MACHINES.
Claims use since Jan. 1, 1938.

Ser. No. 531,125. INSLEY MANUFACTURING CORPORATION, Indianapolis, Ind. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

INSLEY

Applicant claims ownership of registrations Nos. 263,180, 418,628, 419,953, and 424,575.
FOR POWER DRIVEN EXCAVATING MACHINES—NAMELY, POWER SHOVELS, CRANES, DRAG LINES AND TRENCH HOES.
Claims use since January 1923.

Ser. No. 531,696. THE MONARCH MARKING SYSTEM COMPANY, Dayton, Ohio. Filed Aug. 18, 1947.



The stippling is for decorative purposes only. Applicant claims ownership of registration No. 385,844.
FOR TICKET OR TAG MARKING AND ATTACHING MACHINES.
Claims use since Oct. 7, 1946.

Ser. No. 531,728. THE SIDNEY MACHINE AND TOOL COMPANY, Sidney, Ohio. Filed Aug. 18, 1947.

MONOTROL

Applicant claims ownership of registrations Nos. 232,749 and 270,216.
FOR LATHES, COIL WINDING MACHINES AND VARIABLE SPEED POWER TRANSMISSIONS.
Claims use since Sept. 10, 1926, on lathes and transmissions; and since June 5, 1937, on coil winding machines.

Ser. No. 536,543. THE MONARCH MACHINE TOOL COMPANY, Sidney, Ohio. Filed Oct. 2, 1947.

MONARCH

Applicant claims ownership of registration No. 140,898.
FOR LATHES AND METAL TURNING MACHINES.
Claims use since Jan. 1, 1913.

Ser. No. 542,997. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Aug. 28, 1947.

CEM

Applicant claims ownership of registration No. 327,650.
FOR MACHINERY FOR CONVEYING CONTAINERS SUCH AS BOTTLES AND FOR FILLING, CAPPING AND AGITATING SUCH CONTAINERS, AND PARTS OF SUCH MACHINES.
Claims use since Sept. 1, 1932.

Ser. No. 542,998. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Aug. 28, 1947.

CEMCO

Applicant claims ownership of registration No. 317,299.
FOR MACHINES FOR FILLING AND CAPPING CONTAINERS AND FOR HANDLING AND CONVEYING CONTAINERS, BOTH CAPPED AND UNCAPPED, AND PARTS OF SUCH MACHINES.
Claims use since July 1, 1933.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 523,448. A & R Co., Omaha, Nebr. Filed Oct. 30, 1947.

A&R

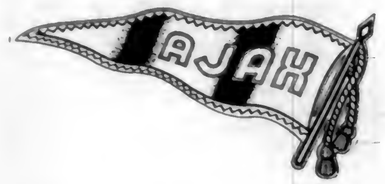
FOR PRESS PLATES USED IN DRY CLEANING AND CLOTHING MANUFACTURING.
Claims use since Dec. 1, 1937.

Ser. No. 533,075. J. W. STEELE & Co., North Kansas City, Mo. Filed Sept. 2, 1947. Under section 2f of the act of 1946.

TRUFOLD

FOR GARMENT FOLDING MACHINES.
Claims use since Jan. 1, 1931.

Ser. No. 545,569. WESTERN LAUNDRY PRESS, Salt Lake City, Utah. Filed Dec. 26, 1947.



FOR LAUNDRY PRESSES AND DRY-CLEANING PRESSES.
Claims use since May 1, 1931.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 529,400. PICKARD, INCORPORATED, Antioch, Ill. Filed July 24, 1947. Under section 2f of the act of 1946.



FOR POTTERY, EARTHENWARE, CHINA AND PORCELAIN—NAMELY, LARGE CUPS, SAUCERS, SOUP DISHES, VEGETABLE DISHES, PLATTERS, GRAVY BOATS, TEAPOTS, SUGARS AND CREAMERS, CANDY DISHES, COFFEE POTS, MAYONNAISE SETS, DIVIDED RELISH DISHES, CAKE PLATES, AND VASES.
Claims use since in the fall of 1928.

Ser. No. 529,401. PICKARD, INCORPORATED, Antioch, Ill. Filed July 24, 1947. Under section 2f of the act of 1946.



The word "China" per se is disclaimed.
FOR POTTERY, EARTHENWARE, CHINA AND PORCELAIN—NAMELY, LARGE CUPS, SAUCERS, SOUP DISHES, VEGETABLE DISHES, PLATTERS, GRAVY BOATS, TEAPOTS, SUGARS AND CREAMERS, CANDY DISHES, COFFEE POTS, MAYONNAISE SETS, DIVIDED RELISH DISHES, CAKE PLATES, AND VASES.
Claims use since June 1938.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 532,217. GENERAL WATER HEATER CORPORATION, Burbank, Calif. Filed Aug. 23, 1947.

Big-4

Applicant claims ownership of registration No. 242,310.
FOR GAS-HEATED HOT-WATER SYSTEMS AND HOT-WATER HEATERS.
Claims use since Oct. 13, 1927.

Ser. No. 532,254. SOUTHERN HEATER CORPORATION, Compton, Calif. Filed Aug. 23, 1947.

CHALLENGE

Applicant claims ownership of registration No. 266,477.
FOR WATER HEATERS USING GAS AS A FUEL.
Claims use since Aug. 1, 1928.

Ser. No. 536,864. AMERICAN GAS ASSOCIATION, INC., New York, N. Y. Filed Oct. 6, 1947. CERTIFICATION MARK.



The star in the drawing is lined to represent the color blue. Applicant disclaims any right to exclusive appropriation of each of the words shown on the mark apart from the combination of the words or arrangement thereof.
FOR HEATING APPLIANCES INCLUDING THE FOLLOWING, ALL OF WHICH ARE GAS FIRED OR OPERATED BY THE BURNING OF GAS, VIZ.: DOMESTIC, HOTEL AND RESTAURANT RANGES, CIRCULATING AND RADIANT TYPES OF SPACE HEATERS, FLOOR FURNACES, GARAGE HEATERS, HOT WATER AND STEAM RADIATORS, HOT WATER AND STEAM HOUSE HEATING BOILERS AND INDUSTRIAL BOILERS, INCINERATORS, UNIT HEATERS, WARM AIR FURNACES, WATER HEATERS, AIR CONDITIONERS INCLUDING AIR CONDITIONERS FOR MAINTAINING ROOM ATMOSPHERES IN COMFORTABLE CONDITION DURING SUMMER WEATHER AND ALSO THOSE TO PROVIDE FOR HEATING, VENTILATING, AND HUMIDIFYING OF SUCH ATMOSPHERES, BAIN MARIES, HOT PLATES, DEEP FAT FRYERS, DISH WARMERS, GRIDDLES, HUMIDIFIERS, PORTABLE GAS BAKING AND ROASTING OVENS, ROLL WARMERS, STEAM TABLES, TOASTERS, UNIT BROILERS, WAFFLE BAKERS, DUCT FURNACES, AND GAS LAUNDRY STOVES.
Claims use since 1929.

Ser. No. 547,695. T. R. BRAWLEY FELT COMPANY, INC., Brooklyn, N. Y. Filed Jan. 22, 1948.

BRAWICK

FOR WICKS FOR FEEDING OIL TO MOTOR BEARINGS, FANS AND KINDRED USES.
Claims use since 1944.

Ser. No. 548,040. EMIL O. YOUNG, doing business as Young Regulator Company, Cleveland, Ohio. Filed Jan. 26, 1948.

VALCALOX

FOR DAMPER REGULATORS.
Claims use since November 1937.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 538,607. CHICAGO BELTING COMPANY, Chicago, Ill. Filed Oct. 22, 1947. Under section 2f of the act of 1946.

TENSION WELDED

Applicant claims ownership of registration No. 332,680.
FOR LEATHER BELTING.
Claims use since Mar. 1, 1931.

Ser. No. 540,831. LAHER SPRING AND TIRE CORPORATION, Oakland, Calif. Filed Nov. 12, 1947. Under section 2f of the act of 1946.

LAHER

Applicant claims ownership of registration No. 429,749.
FOR PNEUMATIC TIRES.
Claims use since June 1, 1923.

Ser. No. 543,292. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 4, 1947.

GOODYEAR

Applicant claims ownership of registrations Nos. 56,752, 64,242, 109,268, 126,597, 151,779, 159,885, 257,570, 266,932, 269,659, 300,498, 316,554, and 339,196.
FOR TIRES AND INNER TUBES THEREFOR, INNER TUBE REPAIR KITS; BRAKE LINING, HOSE AND BELTING COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER AND RUBBER PACKING FOR MACHINERY.
Claims use since July 1900 on tires and tubes; since 1909 on inner tube repair kits; since May 24, 1932, on brake lining; and since 1913 on hose, belting, and machinery packing.

Ser. No. 545,325. ASBESTOS MANUFACTURING COMPANY, Huntington, Ind. Filed Dec. 24, 1947.

AMCOBOND

Applicant claims ownership of registrations Nos. 227,361 and 341,326.
FOR ASBESTOS BRAKE LINING.
Claims use since Mar. 4, 1930.

Ser. No. 554,663. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 15, 1948.

SPEEDWAY

Applicant claims ownership of registrations Nos. 34,688, 46,531, 298,543, 300,806, and 368,142.
FOR TIRES AND INNER TUBES THEREFOR, RUBBER HOSE AND RUBBER BELTS AND BELTING.
Claims use on tires since Apr. 1, 1900; on inner tubes for tires since Oct. 7, 1927; on rubber hose since Mar. 17, 1932; and on rubber belts and belting since November 1935.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 523,190. THE TETRAD CORPORATION, Yonkers, N. Y. Filed Apr. 21, 1948.

THE TETRAD



Exclusive use of the representation of the record is disclaimed except in combination with the mark as shown.
FOR PHONOGRAPH NEEDLES.
Claims use since Feb. 1, 1947.

Ser. No. 529,474. W. W. KIMBALL COMPANY, Chicago, Ill. Filed July 25, 1947. Under section 2f of the act of 1946.

W. W. KIMBALL CO.

Applicant claims ownership of registrations Nos. 54,564 and 55,340.
FOR PIANOS.
Claims use since 1882.

CLASS 37

PAPER AND STATIONERY

Ser. No. 536,524. HORDER'S, INCORPORATED, Chicago, Ill. Filed Oct. 2, 1947. Under section 2f of the act of 1946.

FRONTENAC

Applicant claims ownership of registration No. 276,526.
FOR WRITING PAPER AND WRITING PENCILS.
Claims use since July 18, 1929.

Ser. No. 542,938. HAAS BROTHERS, San Francisco, Calif. Filed Dec. 2, 1947.

Astoria

Applicant claims ownership of registration No. 195,624.
FOR TOILET PAPER.
Claims use since Feb. 2, 1923.

Ser. No. 543,163. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Dec. 3, 1947.

INTERNAPS

FOR PAPER NAPKINS.
Claims use since Oct. 29, 1936.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 468,463. MODERN PLASTICS, INC., New York, N. Y. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

MODERN PLASTICS

Applicant claims ownership of registrations Nos. 264,567 and 340,598.
FOR PERIODICAL PUBLICATION DEALING WITH THE PLASTIC INDUSTRY AND PUBLISHED MONTHLY.
Claims use since September 1934.

Ser. No. 530,594. TOMPKINS' LABEL SERVICE, Philadelphia, Pa. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

Hy-Glos

Applicant claims ownership of registration No. 364,653.
FOR PRINTED LABELS.
Claims use since Dec. 1, 1937.

Ser. No. 530,595. TOMPKINS' LABEL SERVICE, Philadelphia, Pa. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

Meatpak

The term "Grease Proof" is disclaimed apart from the mark. Applicant claims ownership of registration No. 341,540.
FOR GREASE PROOF PRINTED LABELS TO BE USED IN PACKING OR PACKAGING OF MEAT AND OTHER MEAT PRODUCTS.
Claims use since Mar. 1, 1935.

Ser. No. 537,670. ENTERPRISE PUBLISHING COMPANY, Brockton, Mass. Filed Oct. 13, 1947. Under section 2f of the act of 1946.

Brockton Enterprise AND BROCKTON TIMES

Applicant claims ownership of registrations Nos. 270,775 and 317,958.
FOR DAILY NEWSPAPER.
Claims use since October 1934.

Ser. No. 542,762. THE M. A. HAVEN COMPANY, Boston, Mass. Filed Nov. 29, 1947.

Martha Washington Studios

The words "Martha Washington" comprise the name of the famous wife of the first President of the United States, now deceased. The word "Studios" is disclaimed apart from the mark.
FOR GREETING CARDS.
Claims use since May 7, 1947.

Ser. No. 548,875. STANDARD LABORATORIES, INC., New York, N. Y., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Filed Feb. 5, 1948.

GLAMOURGUIDE

The word "Guide" is disclaimed apart from the mark.
FOR CHART FOR INSTRUCTION IN HOME PERMANENT WAVE.
Claims use since Dec. 30, 1947.

Ser. No. 554,398. OPINION RESEARCH CORPORATION, Princeton, N. J. Filed Apr. 12, 1948.

THE PUBLIC OPINION INDEX FOR INDUSTRY

FOR REPORTS PUBLISHED MONTHLY.
Claims use since Oct. 29, 1943.

CLASS 39

CLOTHING

Ser. No. 529,309. SALANT & SALANT, INC., New York, N. Y. Filed July 23, 1947. Under section 2f of the act of 1946.

MANSIZE

Additional evidence of distinctiveness furnished. Applicant claims ownership of registration No. 183,298.
FOR MEN'S AND BOYS' WORK SHIRTS.
Claims use since Jan. 1, 1915.

Ser. No. 530,406. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Aug. 4, 1947.

CEDAR POST

FOR SHOES FOR MEN, WOMEN, AND CHILDREN OF LEATHER, FABRIC, RUBBER, AND/OR COMBINATIONS THEREOF.
Claims use since July 10, 1947.

Ser. No. 531,194. WILLIAM T. BRYAN, doing business as V-Ring Hosiery Co., Philadelphia, Pa. Filed Aug. 13, 1947.

V-Ring

FOR LADIES' HOSIERY.
Claims use since Mar. 24, 1947.

Ser. No. 531,481. JOY TOGS, INC., Greensburg, Pa. Filed Aug. 15, 1947.

Winter Townies

The descriptive word "Winter" is disclaimed apart from the mark as shown.
FOR SKI SUITS, SHORTS, OUTER SHIRTS, OVERALLS, AND PLAY SUITS FOR BOYS AND GIRLS.
Claims use since July 30, 1947.

Ser. No. 533,248. PINCUS BROTHERS, INC., Philadelphia, Pa. Filed Aug. 30, 1947. Under section 2f of the act of 1946.

Maxwell

FOR MEN'S AND YOUNG MEN'S SUITS, TOP COATS, SLACKS, OVERCOATS, AND SPORT JACKETS.
Claims use since Mar. 8, 1927.

Ser. No. 535,784. ARNOLD, CONSTABLE & CO., INC., New York, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

THE "DATED"

Applicant claims ownership of registration No. 320,861.
FOR MEN'S AND BOYS' APPAREL CONSISTING OF UNDERSHIRTS, DRESS, NEGLIGEE AND/OR WORK SHIRTS; UNDERWEAR, PAJAMAS, HOSIERY, DRESSING GOWNS, BATH ROBES, BATHING SUITS, SWEAT-

ERS, SUITS, GOLF SUITS, OVERCOATS, RAIN COATS, HATS, CAPS, NECKTIES, GLOVES MADE OF LEATHER, RUBBER FABRIC AND/OR COMBINATIONS THEREOF; MUFFLERS; BOOTS AND SHOES MADE OF LEATHER, RUBBER, FABRIC AND/OR COMBINATIONS THEREOF; SLIPPERS MADE OF LEATHER, FABRIC AND/OR COMBINATIONS THEREOF; WOMEN'S AND GIRLS' APPAREL CONSISTING OF DRESSES, APRONS, SPORT SUITS, UNDERSKIRTS, AND SKIRTS FOR OUTER WEAR, SHIRT WAISTS, NEGLIGEES; LINGERIE—NAMELY, VESTS, BLOOMERS, STEP-INS, PANTIES AND BLOOMER SUITS, NIGHTGOWNS, CHEMISES; COMBINATIONS—NAMELY, GIRDLE AND BRASSIÈRE COMBINATIONS, DRAWERS, CORSETS, FOUNDATIONS, BRASSIÈRES, HOSIERY, DRESSING GOWNS, PAJAMAS, BATH ROBES, BATHING SUITS, SWEATERS, RAINCOATS, COATS, SPORT COATS, HATS; GLOVES MADE OF LEATHER, RUBBER, FABRIC AND/OR COMBINATIONS THEREOF; LEATHER AND RUBBER AND FABRIC SHOES, AND SLIPPERS MADE OF LEATHER, FABRIC AND/OR COMBINATIONS THEREOF.
Claims use since Apr. 1, 1933.

Ser. No. 536,321. VIRGINIA MAID HOSIERY MILLS, INC., Pulaski, Va. Filed Sept. 30, 1947.

Sole-Secret

FOR HOSIERY.
Claims use since June 25, 1947.

Ser. No. 536,646. SEA ISLAND MANUFACTURING COMPANY, INC., New York, N. Y. Filed Oct. 3, 1947.

FLANDELL

FOR MEN'S AND BOYS' COTTON FLANNEL SHIRTS.
Claims use since Apr. 1, 1947.

Ser. No. 536,838. ROLLINS HOSIERY MILLS, INC., Des Moines, Iowa. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

Rollins

Applicant claims ownership of registrations Nos. 181,176, 394,650, and 401,089.
FOR WOMEN'S HOSIERY.
Claims use since June 30, 1921.

Ser. No. 548,088. JACK WOLF, doing business as Nestle Form Company, Baltimore, Md. Filed Jan. 26, 1948.

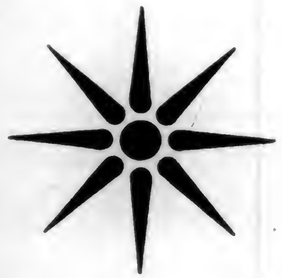
STRAIGHT-O-SPHERE

FOR BRASSIÈRES.
Claims use since June 7, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 554,499. KIRBY, BEARD & CO. LTD., Birmingham, England. Filed Apr. 13, 1948.



Applicant claims ownership of registration No. 172,448.
FOR PINS AND HAIRPINS OF NON-PRECIOUS METAL AND HAND-SEWING NEEDLES OF ALL KINDS.
Claims use since May 18, 1867.

Ser. No. 555,100. HUGHES FAWCETT, INC., New York, N. Y. Filed Apr. 20, 1948.

GOLD  CROWN

FOR SHOE LACES.
Claims use since Nov. 19, 1947.

Ser. No. 555,326. VERLA UPSTILL, doing business as Ez-Duz-It, Long Beach, Calif. Filed Apr. 22, 1948.

EZ-DUZ-IT

FOR CROCHET FRAMES.
Claims use since Aug. 19, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 507,222. SAMUEL SCHER & SON, INC., New York, N. Y. Filed Nov. 4, 1947. Under section 2f of the act of 1946.

Scher

FOR PIECE GOODS OF SILK, COTTON, AND SYNTHETIC FIBRES.
Claims use since Apr. 1, 1923.

Ser. No. 521,617. M. & W. THOMAS CO., New York, N. Y. Filed Sept. 25, 1947. Under section 2f of the act of 1946.

THOMAS

Applicant claims ownership of registration No. 408,987.
FOR SILK, RAYON, WOOLEN, COTTON, AND LINEN PIECE GOODS.
Claims use since Jan. 28, 1937.

Ser. No. 521,618. M. & W. THOMAS CO., New York, N. Y. Filed Sept. 25, 1947. Under section 2f of the act of 1946.

PANAMA

Applicant claims ownership of registration No. 356,581.
FOR SILK, RAYON, WOOLEN, COTTON, AND LINEN PIECE GOODS.
Claims use since Sept. 28, 1937.

Ser. No. 525,716. ALFRED VAMOS, INC., New York, N. Y. Filed May 15, 1948.

Vamos

FOR PIECE GOODS OF SILK, RAYON, COTTON, WOOL, AND MIXTURES THEREOF, LAMINATED TEXTILE FABRICS IN THE PIECE COMPOSED OF A PLASTIC RESIN FORMING THE FACE OF THE FINISHED GOODS WITH AN ELASTIC TEXTILE FABRIC BACKING, ELASTIC WEBBING SOLD AS PIECE GOODS, AND PLASTIC COATED FABRICS SOLD IN THE PIECE MADE OF COTTON, RAYON, NYLON, AND WOOL YARN.
Claims use since September 1936.

Ser. No. 542,131. HOUSE BEAUTIFUL CURTAINS INC., New York, N. Y. Filed Nov. 24, 1947.

"Home Beautiful"

The word "Beautiful" is disclaimed apart from the mark. Applicant claims ownership of registration No. 428,675.
FOR WINDOW CURTAINS, SHOWER CURTAINS, DRAPES, BEDSPREADS, TABLECLOTHS AND TEXTILE FABRICS IN THE PIECE FOR SAID GOODS.
Claims use since June 9, 1943.

Ser. No. 542,133. HUDSON VALLEY RUGS COMPANY, New York, N. Y. Filed Nov. 24, 1947.

Tiffanet

FOR WINDOW CURTAINS AND CURTAIN MATERIALS MADE OF COTTON, SILK, RAYON AND MIXTURES THEREOF.
Claims use since July 15, 1947.

Ser. No. 543,116. CROMPTON COMPANY, Crompton, R. I. Filed Dec. 3, 1947.

WOOLIGAN

Applicant claims ownership of registration No. 363,928.
FOR FABRICS IN THE PIECE COMPOSED ENTIRELY OF WOOL OR IN PART OF WOOL AND IN PART OF COTTON, SILK AND SYNTHETIC FIBERS.
Claims use since Aug. 15, 1938.

Ser. No. 545,399. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Dec. 24, 1947. Under section 2f of the act of 1946.

BROOKLYN

Applicant claims ownership of registration No. 353,075.
FOR PIECE GOODS OF SILK, WOOL, COTTON, MAN-MADE FIBERS AND COMBINATIONS THEREOF.
Claims use since 1917.

Ser. No. 545,400. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Dec. 24, 1947. Under section 2f of the act of 1946.

LITTLE OLD NEW YORK

Applicant claims ownership of registration No. 367,696.
FOR CREPE PIECE GOODS OF SILK, WOOL, COTTON, MAN-MADE FIBERS AND COMBINATIONS THEREOF.
Claims use since 1928.

Ser. No. 545,651. SHIRLEY FABRICS CORP., New York, N. Y. Filed Dec. 29, 1947.

SERRANO

FOR COTTON AND RAYON FABRICS IN THE PIECE.
Claims use since Nov. 18, 1946.

Ser. No. 546,358. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Jan. 7, 1948.



Applicant claims ownership of registration No. 49,211.
FOR BEDSPREADS; UPHOLSTERY AND SLIPCOVER FABRICS OF COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF; NYLON CURTAIN PANELS; DRAPERIES; AND COTTON AND RAYON TABLE DAMASK AND NAPKINS.
Claims use since Nov. 4, 1946.

Ser. No. 546,524. THE SPRINGS COTTON MILLS, Lancaster, S. C. Filed Jan. 8, 1948.



The words "Fabrics," "The," and "Cotton Mills" are disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 303,762 and 433,899.

FOR SHEETS, PILLOW CASES, TABLE-CLOTHS AND COVERS, TOWELS, TABLE NAPKINS, AND BED-SPREADS; AND COTTON, COTTON AND RAYON, AND RAYON TEXTILE FABRICS BY THE PIECE, BY THE YARD, AND IN THE BOLT.

Claims use since January 1929.

Ser. No. 547,513. CAMEO CURTAINS INC., New York, N. Y. Filed Jan. 20, 1948.

perma-dot

The word "Dot" is disclaimed apart from the mark as a whole.

FOR WINDOW CURTAINS.

Claims use since Dec. 15, 1947.

Ser. No. 547,825. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Jan. 23, 1948.

Chamya

Applicant claims ownership of registration No. 437,365.

FOR FABRICS OF COTTON, LINEN, SILK, WOOL, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF.

Claims use since Nov. 25, 1933.

Ser. No. 547,826. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Jan. 23, 1948.

Sincerity

Applicant claims ownership of registration No. 435,784.

FOR FABRICS OF COTTON, LINEN, SILK, WOOL, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF.

Claims use since July 18, 1940.

Ser. No. 547,827. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Jan. 23, 1948.

SPATTER

Applicant claims ownership of registration No. 436,581.

FOR FABRICS OF COTTON, LINEN, SILK, WOOL, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF.

Claims use since May 12, 1947.

Ser. No. 547,828. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Jan. 23, 1948.

Tangelo

Applicant claims ownership of registration No. 435,344.

FOR FABRICS OF COTTON, LINEN, SILK, WOOL, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF.

Claims use since Dec. 4, 1946.

Ser. No. 547,829. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Jan. 23, 1948.

Utopia

Applicant claims ownership of registration No. 437,056.

FOR FABRICS OF COTTON, LINEN, SILK, WOOL, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF.

Claims use since Mar. 7, 1946.

Ser. No. 548,400. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Jan. 30, 1948.

Peeron

Applicant claims ownership of registration No. 279,709.

FOR SHEETS, PILLOWCASES, AND BLANKETS.

Claims use since Dec. 15, 1947.

Ser. No. 548,814. GOODALL-SANFORD, INC., Sanford, Maine. Filed Feb. 5, 1948.

SUNENSTORM

FOR PIECE GOODS OF COTTON, MOHAIR AND RAYON, ESPECIALLY FOR MAKING INTO RAINCOATS.

Claims use since May 22, 1947.

CLASS 43

THREAD AND YARN

Ser. No. 553,838. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 5, 1948.

FASHIONCREST

FOR KNITTING YARNS.

Claims use since Oct. 1, 1945.

Ser. No. 554,528. SPINNERIN YARN CO. INC., South Hackensack, N. J. Filed Apr. 13, 1948.

CRADLESPUN

FOR YARN.

Claims use since Mar. 22, 1948.

Ser. No. 555,612. MAX POLLACK & CO., INC., New York, N. Y. Filed Apr. 26, 1948.

COUPRAY

Applicant claims ownership of registration No. 361,356.

FOR SEWING THREADS.

Claims use since Aug. 6, 1937.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 541,233. THE VOLLRATH CO., Sheboygan, Wis. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

VOLLRATH

Applicant claims ownership of registration No. 70,317.

FOR THE FOLLOWING ITEMS OF ENAMELED BASE METAL WARE FOR HOSPITAL, MEDICAL AND SURGICAL USE, I. E.: SERVICE PAILS, ODORLESS PAILS, INSTRUMENT TRAYS, UTILITY TRAYS, SOLUTION PITCHERS, CATHETER TRAYS, STERILIZERS, FEEDING CUPS, HOSPITAL CUPS, MEDICINE CUPS, SOLUTION BASINS, SPONGE BOWLS, OINTMENT JARS, UTILITY JARS, PUS PANS, FORCEPS JARS, IRRIGATORS, BED PANS, AND MALE AND FEMALE URINALS; AND FOR THE FOLLOWING ITEMS OF CORROSION RESISTING STEEL WARE FOR HOSPITAL, MEDICAL AND SURGICAL USE, I. E.: SOLUTION PITCHERS, CATHETER TRAYS, MEDICINE CUPS, SOLUTION BOWLS, SPONGE BOWLS, OINTMENT JARS, DRESSING JARS, PUS PANS, FORCEPS JARS, IRRIGATORS, BED PANS, AND MALE URINALS.

Claims use on hospital, medical and surgical enameled base metal ware service pails and cups since 1890; on hospital, medical, and surgical enameled base metal ware sterilizers since 1914; on hospital, medical, and surgical enameled base metal ware odorless pails, instrument trays, irrigators and bed pans since 1904; on hospital, medical, and surgical enameled base metal ware medicine cups since 1930; on hospital, medical, and surgical enameled base metal ware solution pitchers since 1931; on hospital, medical, and surgical enameled base metal ware utility trays, feeding cups, solution basins, sponge bowls, utility jars, pus pans, forceps jars, and male and female urinals since 1919; on hospital, medical, and surgical enameled base metal ware catheter trays since 1928; on hospital, medical, and surgical enameled base metal ware ointment jars since 1936; on hospital, medical, and surgical corrosion resisting steel ware solution pitchers, solution bowls, and sponge bowls since 1934; on hospital, medical, and surgical corrosion resisting steel ware catheter trays, dressing jars, pus pans, irrigators, bed pans, and male urinals since 1935; on hospital, medical, and surgical corrosion resisting steel ware, medicine cups, and ointment jars since 1938; and on hospital, medical, and surgical corrosion resisting steel ware forceps jars since 1940.

Ser. No. 548,075. CHALMERS G. HALL, JR., doing business as The Chalhall Company, Washington, D. C. Filed Jan. 27, 1948.

RYTAB

FOR ORTHOPEDIC PILLOW.

Claims use since Oct. 19, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 502,353. TRUZZOLINO FOOD PRODUCTS CO., Butte, Mont. Filed Sept. 9, 1947. Under section 2f of the act of 1946.

TRUZZOLINO
VT

FOR CHICKEN TAMALES.

Claims use since Jan. 2, 1896.

Ser. No. 507,046. JAMES VAN DYK CO., INC., Brooklyn, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of registrations Nos. 272,770 and 325,946.

FOR FOOD PRODUCTS—NAMELY, PEANUT BUTTER, COFFEE, TEA, COCOA, OLIVES, AND MAYONNAISE.

Claims use on coffee since 1881; on tea since 1881; on cocoa since 1902; on olives since 1916; on peanut butter since 1919; and on mayonnaise since 1922.

Ser. No. 514,425. MICHIGAN MUSHROOM COMPANY, Niles, Mich. Filed Oct. 30, 1947.

WHITE FAIRY

FOR FRESH MUSHROOMS, CANNED MUSHROOM SOUP, CANNED ASPARAGUS, CANNED MUSHROOMS, AND CANNED PEACHES.
Claims use since 1935.

Ser. No. 522,666. WM. P. MCDONALD CORPORATION, Auburndale, Fla. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

MCDONALD

Applicant claims ownership of registration No. 398,745.
FOR CANNED CITRUS FRUIT JUICES.
Claims use since Sept. 24, 1941.

Ser. No. 526,198. BUTLER TRADING COMPANY, INC., Wenatchee, Wash. Filed Jan. 19, 1948.

Butler's Pride

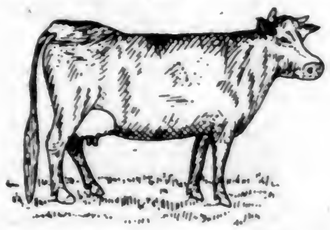
No claim is made to the word "Butler's" apart from the mark.
FOR FRESH DECIDUOUS FRUITS.
Claims use since Sept. 21, 1946.

Ser. No. 526,651. NANCY KEITH CANDIES, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

Nancy Keith

The name "Nancy Keith" is fictitious and refers to no living individual. Applicant claims ownership of registration No. 225,433.
FOR CANDIES.
Claims use since October 1922.

Ser. No. 526,762. CHURCH & DWIGHT CO., INC., New York, N. Y. Filed July 5, 1947.



Applicant claims ownership of registrations Nos. 46,901, 257,950, and 359,516.
FOR BAKING SODA (BICARBONATE OF SODA) AND BAKING POWDER, EACH FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS.
Claims use since 1876.

Ser. No. 528,460. GORDON, WOLF, COWEN CO., INC., New York, N. Y. Filed July 12, 1947.



Applicant claims ownership of registration No. 354,656.
FOR SWEETMEAT, KNOWN AS "HALVAH."
Claims use since March 1906.

Ser. No. 530,358. W. B. ALLEN, Yuma, Ariz. Filed Aug. 4, 1947.

A-Z

FOR FRESH MELONS.
Claims use since 1938.

Ser. No. 530,769. ROMAN MEAL COMPANY, Tacoma, Wash. Filed Aug. 7, 1947. Under section 2f of the act of 1946.

SPEE-D-MIX

The word "Mix" is disclaimed apart from the mark.
Applicant claims ownership of registrations Nos. 347,419, 380,140, and 427,604.
FOR PIECRUST MIX.
Claims use since Jan. 18, 1936.

Ser. No. 532,197. ARMOUR AND COMPANY, Chicago, Ill. Filed Aug. 23, 1947.

MOUNTAIN LAUREL

FOR VEGETABLE SHORTENING, AND MIXED VEGETABLE AND ANIMAL SHORTENING.
Claims use since 1912.

Ser. No. 532,504. THE MISSOURI CONFERENCE ASSOCIATION OF THE SEVENTH DAY ADVENTISTS, doing business as Sunnydale Farm Foods, Kansas City and Centralia, Mo. Filed Aug. 26, 1947.

Chic-Ketts

FOR PREPARED CANNED FOODS CONSISTING OF COMBINATIONS OF WHEAT GLUTEN, EXTRACT OF YEAST AND VEGETABLES, WATER, SOY FLOUR, WHOLE WHEAT FLOUR, CORN FLOUR, OATS, HYDROLYZED VEGETABLE PROTEINS, FOOD YEAST, AND SALT, SEASONED TO SIMULATE THE TASTE OF MEAT OR FOWLS.
Claims use since Dec. 30, 1946.

Ser. No. 532,545. ARIZONA FOOD PRODUCTS, INC., Tucson, Ariz. Filed Aug. 27, 1947.



The right to the exclusive use of the word "Crispy" is disclaimed apart from the mark as shown. The portrait is that of a fanciful person.
FOR POTATO CHIPS.
Claims use since Apr. 1, 1946.

Ser. No. 534,177. NORTH STATE CANNING COMPANY INC., Boone, N. C. Filed Sept. 11, 1947.

WATAUGA

FOR CUT GREEN BEANS, CHOPPED KRAUT, AND SHREDDED KRAUT.
Claims use since June 1, 1926.

Ser. No. 534,223. ADA MILLING COMPANY, Ada, Okla. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

GOOD MILK

Applicant claims ownership of registration No. 335,499.
FOR DAIRY FEED.
Claims use since Jan. 1, 1935.

Ser. No. 535,103. TURLOCK CO-OPERATIVE GROWERS, Modesto, Calif. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

FIRENZE

Applicant claims ownership of registration No. 337,834.
FOR CANNED TOMATOES AND CANNED TOMATO PASTE.
Claims use since Sept. 1, 1934.

Ser. No. 537,376. VAN AMERINGEN-HAEBLER, INC., New York, N. Y. Filed Oct. 9, 1947.

VANAH

FOR FOOD FLAVORING EXTRACTS.
Claims use since 1941.

Ser. No. 537,409. BRANDYWINE MUSHROOM CORPORATION, West Chester, Pa. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

BRANDYWINE

Applicant claims ownership of registration No. 243,781.
FOR CANNED MUSHROOMS.
Claims use since Apr. 15, 1927.

Ser. No. 537,723. OLD VIENNA PRODUCTS COMPANY, St. Louis, Mo. Filed Oct. 13, 1947. Under section 2f of the act of 1946.

Old Vienna

Applicant claims ownership of registration No. 327,117.
FOR POTATO CHIPS, CHEESE CHIPS, CRISS-CROSS POTATOES, AND SALTED ASSORTED NUTS.
Claims use since Feb. 1, 1934.

Ser. No. 538,223. AMERICAN HOME FOODS, INC., New York and Rochester, N. Y., assignor to Chef Boy-Ar-Dee Quality Foods, Inc., Milton, Pa., a corporation of Ohio. Now by change of name American Home Foods, Inc., a corporation of Ohio. Filed Oct. 18, 1947. Under section 2f of the act of 1946.

Clapp's

Applicant claims ownership of registration No. 321,981.
FOR SPECIALLY PREPARED PACKAGED VEGETABLES, APPLE SAUCE, FRUITS, VEGETABLES WITH MEATS, SOUPS, AND PUDDINGS, AND CEREALS FOR THE FEEDING OF INFANTS, YOUNG CHILDREN, CONVALESCENTS AND INVALIDS.
Claims use since February 1927 on foods for infants; since June 4, 1937, on Foods for young children, convalescents, and invalids; and since Jan. 6, 1941, on cereals.

Ser. No. 538,293. KRAFT FOODS COMPANY, Chicago, Ill. Filed Oct. 18, 1947. Under section 2f of the act of 1946.

STRAUBEL'S

FOR CHEESE.
Claims use since 1927.

Ser. No. 538,634. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Oct. 22, 1947.

CRESTMONT

Applicant claims ownership of registration No. 319,631.
FOR ICE CREAM.
Claims use since July 14, 1947.

Ser. No. 539,041. GENERAL MILLS, INC., Wilmington, Del., and Minneapolis, Minn. Filed Oct. 25, 1947.

DRIFTED SNOW

Applicant claims ownership of registrations Nos. 124,940, 181,495, and 366,661.
FOR WHEAT FLOUR.
Claims use since March 1885.

Ser. No. 539,137. DAIRY STATE FOODS, INC., Milwaukee, Wis. Filed Oct. 27, 1947.



The trade-mark consists in the grotesque figure of a child and the word "Torchy."
FOR ANIMAL CRACKERS AND COOKIES.
Claims use since July 1, 1947.

Ser. No. 539,150. MARTIN GILLET & CO. INC., Baltimore, Md. Filed Oct. 27, 1947.

House of Lords

Applicant claims ownership of registration No. 352,951.
FOR TEA, COFFEE, MAYONNAISE, SANDWICH SPREAD, MUSTARD, TARTAR SAUCE, PUDDING POWDER, AND CHOCOLATE SYRUP FOR FOOD PURPOSES.
Claims use since 1884.

Ser. No. 539,472. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J. Filed Oct. 30, 1947.

CHI-CHI

FOR CHEWING GUM.
Claims use since Oct. 15, 1947.

Ser. No. 539,473. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J. Filed Oct. 30, 1947.

CHIRPS

FOR CHEWING GUM.
Claims use since Oct. 22, 1947.

Ser. No. 542,405. MALT-A-PLENTY, INC., Tulsa, Okla. Filed Sept. 13, 1947. Under section 2f of the act of 1946.

Malt-A-Plenty

Applicant claims ownership of registrations Nos. 395,713, 395,714, and 374,642.
FOR NON-ALCOHOLIC SEMI-FROZEN DAIRY FOOD BEVERAGE AND A PREPARATION FOR MAKING THE SAME, COMPOSED OF MILK PRODUCTS, SUGARS, GELATINS, AND FLAVORING.
Claims use since Sept. 5, 1938.

Ser. No. 543,913. S. E. W. FRIEL, Queenstown, Md. Filed Dec. 10, 1947.

Ole Wye

FOR CANNED CORN, CANNED TOMATO JUICE.
Claims use since Jan. 1, 1941.

Ser. No. 543,997. THE B. F. SHRIVER COMPANY, Westminster, Md. Filed Dec. 10, 1947.

WORLD'S FAVORITE

FOR CANNED VEGETABLES.
Claims use since Dec. 31, 1895.

Ser. No. 555,866. GIROUX COMPANY, INC., New York, N. Y. Filed Sept. 9, 1947.

DRURY LANE

Applicant claims ownership of registration No. 357,374.
FOR WORCESTERSHIRE SAUCE.
Claims use since Sept. 26, 1930.

Ser. No. 555,885. MIDDLESEX WHOLESALE GROCERY COMPANY, Highland Park, N. J. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

MIDDLESEX

Applicant claims ownership of registration No. 431,367.
FOR CANNED VEGETABLES, CANNED FRUITS, AND CANNED CRANBERRY SAUCE.
Claims use since Jan. 1, 1908.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 539,243. GIOVANNI VAI, doing business as Cucamonga Valley Wine Company, Ontario, Calif. Filed Oct. 27, 1947.

G. V.

FOR BRANDY.
Claims use since November 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 530,897. AMERICAN FIXTURE AND MANUFACTURING CO., St. Louis, Mo. Filed Aug. 9, 1947. Under section 2f of the act of 1946.

KORRECT-WAY

FOR MANNEQUINS AND DISPLAY FORMS FOR HOSIERY, MILLINERY, AND GLOVES.
Claims use since 1918.

Ser. No. 531,126. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

HETTRICK

Applicant claims ownership of registration No. 275,035.
FOR TENTS AND AWNINGS.
Claims use since Jan. 1, 1917.

Ser. No. 533,872. THE FARMERS' MUSEUM, INC., Cooperstown, N. Y. Filed Sept. 9, 1947.

THE FARMERS' MUSEUM

FOR ANIMAL FIGURES MADE OF BASE METALS.
Claims use since June 1, 1945.

Ser. No. 537,471. MERGENTHALER LINOTYPE COMPANY, Brooklyn, N. Y. Filed Oct. 10, 1947.

MONTICELLO

FOR MATRICES.
Claims use since July 8, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,364. CHILI COMPRISING GROUND COOKED BEEF, BEEF SUET, SALT, GARLIC, SPICES AND BEANS. FREDERICK T. HOECK, doing business as Hex Chili Manufacturing Co., Kansas City, Mo.
Filed March 4, 1944. Serial No. 467,972. PUBLISHED APRIL 13, 1948. Class 46.

441,365. MECHANICAL FILTERS FOR INDUSTRIAL USE FOR THE FILTERING OF LIQUIDS. HERCULES FILTER CORPORATION, Paterson, N. J.
Filed October 27, 1944. Serial No. 475,754. PUBLISHED AUGUST 17, 1948. Class 31.

441,366. ANIMAL PULL TOYS, TOY ANIMALS, TOY WAGONS AND TOY ROCKING HORSES. THE LIONEL CORPORATION, New York, N. Y.
Filed February 27, 1945. Serial No. 480,293. PUBLISHED JULY 27, 1948. Class 22.

441,367. PERFUME, LIPSTICKS, ROUGE, FACE POWDER, FACIAL MAKE-UP, COLD CREAM, HAND LOTION, ETC. JACK MAY, doing business as Sardeau, New York, N. Y.
Filed March 23, 1945. Serial No. 481,232. PUBLISHED JULY 16, 1946. Class 6.

441,368. MINK FUR COATS. MUTATION MINK BREEDERS ASSOCIATION, Elkhorn, Wis.
Filed May 16, 1945. Serial No. 483,438. PUBLISHED JUNE 25, 1946. Class 39.

441,369. CLACKER TOY. HERMAN GOETZE, New York, N. Y.
Filed October 18, 1945. Serial No. 490,116. PUBLISHED JULY 13, 1948. Class 22.

441,370. TOY WAGONS CONTAINING TOY BUILDING BLOCKS. THE METAL ARTS COMPANY, Pasadena, Calif.
Filed October 24, 1945. Serial No. 490,440. PUBLISHED JULY 27, 1948. Class 22.

441,371. LEATHER SHOES. BOYD-RICHARDSON COMPANY, St. Louis, Mo.
Filed November 29, 1945. Serial No. 492,358. PUBLISHED AUGUST 10, 1948. Class 39.

441,372. REFRIGERATING APPARATUS EMBODYING SELF-DEFROSTING MEANS. KRAMER TRENTON COMPANY, Trenton, N. J.
Filed December 15, 1945. Serial No. 493,366. PUBLISHED AUGUST 10, 1948. Class 31.

441,373. CREAM OR OINTMENT IN CLEAR AND TINTED FORMS FOR APPLICATION TO THE LIDS AND LASHES OF THE EYE. ANDREW C. WALLACE, doing business as Wallace and Associates, Butler, Ky., assignor to Wallace and Associates, Inc., Butler, Ky., a corporation of Kentucky.
Filed January 10, 1946. Serial No. 494,586. PUBLISHED AUGUST 10, 1948. Class 6.

441,374. WOMEN'S AND CHILDREN'S BEDROOM SLIPPERS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.; Dey Brothers & Company, Syracuse, N. Y.; and Quackenbush Company, Paterson, N. J.
Filed February 8, 1946. Serial No. 496,193. PUBLISHED JUNE 1, 1948. Class 39.

441,375. PASTRY PIES, CAKES, BREAD. THE BLACK ANGUS, INC., New York, N. Y.
Filed March 8, 1946. Serial No. 497,840. PUBLISHED AUGUST 17, 1948. Class 46.

441,376. SUSPENDERS, MEN'S AND WOMEN'S GARMENT BELTS, SHOES, SHOE WELTS, SHOE UPPERS, SHOE PLATFORM LINING, SHOE SOLES, SHOE HEELS, SHOE BINDINGS, AND SHOE BOWS. INDUSTRIAL SYNTHETICS CORPORATION, Irvington, N. J.
Filed March 9, 1946. Serial No. 497,935. PUBLISHED AUGUST 24, 1948. Class 39.

441,377. FLUID FILTERS FOR GENERAL COMMERCIAL AND INDUSTRIAL USES. THE METAFILTRATION COMPANY LIMITED, Hounslow, England.
Filed April 9, 1946. Serial No. 499,908. PUBLISHED AUGUST 17, 1948. Class 31.

441,378. TOY GAME COMPRISING AN EDUCATIONAL GAME DESIGNED TO BE PLAYED WITH THE USE OF A MAT AND INTERCHANGEABLE CHARTS AND MARBLES. EDWARD J. POSVAR, doing business as Royal Oak Games Company, Royal Oak and Pleasant Ridge, Mich.
Filed April 19, 1946. Serial No. 500,571. PUBLISHED JULY 27, 1948. Class 22.

441,379. LADIES', MEN'S, AND CHILDREN'S WEAR—NAMELY, DRESSES, SWEATERS, BLOUSES, SCARVES, BERETS, COATS, CAPS, AND SOCKS MADE ENTIRELY OR IN A SUBSTANTIAL PART OF ANGORA WOOL. SOCIETE A RESPONSABILITE LIMITEE: L' ANGORA, Suresnes, France.
Filed April 20, 1946. Serial No. 500,632. PUBLISHED AUGUST 10, 1948. Class 39.

441,380. RECTAL SUPPOSITORIES. G. D. SEARLE & Co., Chicago, Ill.
Filed May 1, 1946. Serial No. 501,286. PUBLISHED AUGUST 10, 1948. Class 6.

441,381. CANNED PROCESSED OYSTERS, CANNED PROCESSED CRABMEAT, FRESH CRABMEAT, FRESH COOKED PEELED SHRIMP, FRESH OYSTERS, AND HEADLESS FROZEN SHRIMP. SOUTHERN SHELL FISH COMPANY, INC., New Orleans, La.
Filed May 13, 1946. Serial No. 502,022. PUBLISHED OCTOBER 14, 1947. Class 46.

441,382. MEN'S COLOGNE, MEN'S TALCUM POWDER AND SHAVING LOTIONS. LIONEL G. ROTHCHILD, doing business as Lenel Company, Dallas, Tex.
Filed May 14, 1946. Serial No. 502,079. PUBLISHED MARCH 18, 1947. Class 6.

441,383. CASINGS FOR COIN OPERATED AMUSEMENT GAMES AND MECHANISMS WHEREIN THE INSERTION OF A COIN PERMITS THE OPERATION OF A LEVER TO ACTUATE INDEPENDENTLY MOVABLE INDICIA THAT REPRESENT VARIOUS VALUES IN COMBINED RELATIONSHIP WHEN AT REST, AND PARTS THEREFOR. THE EXTRABELL CO., Chicago, Ill.
Filed May 15, 1946. Serial No. 502,130. PUBLISHED JULY 20, 1948. Class 22.

441,384. PLAYING CARDS. OSCAR HUGO GUTHEIL, Columbus, Ohio.
Filed May 27, 1946. Serial No. 502,821. PUBLISHED AUGUST 17, 1948. Class 22.

441,385. PLAYING CARDS. ROBERT N. WILSON, Berkeley, Calif.
Filed May 24, 1946. Serial No. 502,731. PUBLISHED JULY 27, 1948. Class 22.

441,386. FISH LURES. WOOD MANUFACTURING CO., El Dorado, Ark.
Filed June 7, 1946. Serial No. 503,490. PUBLISHED JULY 13, 1948. Class 22.

441,387. FISHING EQUIPMENT, COMPRISING HOOK PROTECTORS, FLOATS AND BOBBINS, LEADERS, AND REELS FOR EXTRA LINE AND FOR DRYING LINES. WILLIAM N. DE SHERBININ, Brookfield, Conn.
Filed June 21, 1946. Serial No. 504,342. PUBLISHED JULY 13, 1948. Class 22.

441,388. CLOTH, FELT, SILK, AND PLASTIC HATS. PIMLICO HEADWEAR COMPANY, Baltimore, Md.
Filed June 25, 1946. Serial No. 504,581. PUBLISHED AUGUST 24, 1948. Class 39.

441,389. SHEETS, RODS, AND TUBES MADE IN WHOLE OR IN PART OF SYNTHETIC THERMOSETTING AND/OR THERMOPLASTIC RESINS FOR THE FABRICATION, MOLDING AND CONSTRUCTION OF PLASTIC ARTICLES. THE FABRIFORM COMPANY, Byesville, Ohio.
Filed July 1, 1946. Serial No. 504,892. PUBLISHED AUGUST 10, 1948. Class 1.

441,390. BLEND OF PAPAYA AND PEPPERMINT LEAVES USED AS A TEA SUBSTITUTE. MODERN PRODUCTS, INC., OF AMERICA, Milwaukee, Wis.
Filed July 2,1946. Serial No. 504,990. PUBLISHED AUGUST 17, 1948. Class 46.

441,391. SPINNING TOPS OF THE BANDALORE TYPE. CHEERIO TOYS & GAMES LIMITED, Toronto, Ontario, Canada, assignor to Cheerio Toys & Games Incorporated, Lockport, N. Y.
Filed July 8, 1946. Serial No. 505,182. PUBLISHED JULY 27, 1948. Class 22.

441,392. SULPHITE AND SULPHATE PAPER PULP, RAYON PULP, GROUND WOOD, AND TALL OIL AND DISSOLVING PULPS FOR VARIOUS USES IN THE INDUSTRIAL ARTS. SVENSKA CELLULOSA AKTIEBOLAGET, Stockholm, Sweden.
Filed July 12, 1946. Serial No. 505,531. PUBLISHED AUGUST 24, 1948. Class 1.

441,393. FOOTBALLS, BASKETBALLS, SOCCER-BALLS, ETC. JOSEPH B. SINGER, Philadelphia, Pa.
Filed July 27, 1946. Serial No. 506,893. PUBLISHED JULY 27, 1948. Class 22.

441,394. FOOTBALLS, BASKETBALLS, AND FIELDERS' GLOVES. MORRIS KANEFF, doing business as Mayfair Leather Sportswear, Philadelphia, Pa.
Filed July 29, 1946. Serial No. 506,452. PUBLISHED JULY 13, 1948. Class 22.

441,395. MAGICIAN'S TRICK AND MAGICAL EFFECTS APPARATUS—NAMELY, EASELS, TABLES, REELS, STANDS, RACKS, ETC. PETRIE-LEWIS MFG. CO., INC., New Haven, Conn.
Filed June 4, 1946. Serial No. 506,793. PUBLISHED AUGUST 17, 1948. Class 22.

441,396. HYBRID SEED CORN. FARMER'S PRIDE HYBRID CORN CO., Templeton, Halbur, and Carroll, Iowa.
Filed August 7, 1946. Serial No. 506,997. PUBLISHED AUGUST 17, 1948. Class 1.

441,397. MUSICAL TOYS—NAMELY, TOY PHONOGRAPHS, TOY PIANOS, AND TOY XYLOPHONES. FRED ERDOS, doing business as Eastern Seaboard Mfg. Co., New York, N. Y., assignor to Rodox Inc., New York, N. Y., a corporation of New York.
Filed August 24, 1946. Serial No. 507,975. PUBLISHED JULY 20, 1948. Class 22.

441,398. GROUND LIMESTONE EMPLOYED IN ROCK DUSTING COAL MINES. NATIONAL GYPSUM COMPANY, Buffalo, N. Y.
Filed August 28, 1946. Serial No. 508,179. PUBLISHED AUGUST 24, 1948. Class 1.

441,399. GOLF CLUBS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed September 6, 1946. Serial No. 508,621. PUBLISHED DECEMBER 24, 1946. Class 22.

441,400. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS CONSISTING OF COATS, VESTS, PANTS, TROUSERS, OVERCOATS, AND TOPCOATS. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed September 12, 1946. Serial No. 508,892. PUBLISHED AUGUST 10, 1948. Class 39.

441,401. MEN'S COATS. D. B. ROSENBLATT, INCORPORATED, Minneapolis, Minn.
Filed September 13, 1946. Serial No. 509,038. PUBLISHED AUGUST 24, 1948. Class 39.

441,402. TOY AIRCRAFT. LUDINOTON-GRISWOLD, INC., Saybrook, Conn.
Filed October 14, 1946. Serial No. 510,849. PUBLISHED AUGUST 17, 1948. Class 22.

441,403. GAS BURNING FLUID FUEL BURNERS FOR INDUSTRIAL USE AND PARTS THEREFOR, ETC. SELAS CORPORATION OF AMERICA, Philadelphia, Pa.
Filed October 22, 1946. Serial No. 511,294. PUBLISHED AUGUST 10, 1948. Class 34.

441,404. GAS DISTRIBUTION APPARATUS AND PARTS THEREOF WHICH INCLUDE A UNIT FOR STORAGE AND DISTRIBUTION OF COMBUSTIBLE GAS, ETC. SELAS CORPORATION OF AMERICA, Philadelphia, Pa.
Filed November 1, 1946. Serial No. 511,902. PUBLISHED AUGUST 3, 1948. Class 34.

441,405. WOMEN'S NIGHTGOWNS AND PAJAMAS. MUNSINGWEAR, INC., Minneapolis, Minn.
Filed November 4, 1946. Serial No. 512,013. PUBLISHED AUGUST 10, 1948. Class 39.

441,406. NECKWEAR—NAMELY, NECKTIES. BARBARA BANKS ELLISON, Kimmswick, Mo.
Filed November 20, 1946. Serial No. 512,900. PUBLISHED AUGUST 31, 1948. Class 39.

441,407. FILTERING APPARATUS FOR USE IN THE SEPARATION OF FINELY COMMINUTED MATERIALS FROM AIR BY MOVING THE AIR UNDER PRESSURE THROUGH A FILTER IN THE APPARATUS. LOUIS RUPRECHT, doing business as Pulverizing Machinery Company, Summit, N. J., assignor to Pulverizing Machinery Company, Summit, N. J., a corporation of New Jersey.
Filed November 20, 1946. Serial No. 512,935. PUBLISHED AUGUST 10, 1948. Class 31.

441,408. MEDICINAL TABLET FOR HIGH BLOOD PRESSURE. IRVING A. MORSE, doing business as Morse Laboratories, New York, N. Y.
Filed December 26, 1946. Serial No. 514,835. PUBLISHED AUGUST 3, 1948. Class 6.

441,409. ARTICLES OF MEN'S, WOMEN'S, AND CHILDREN'S SUITS, COSTUMES CONSISTING OF JACKETS AND SKIRTS, OVERCOATS, RAINCOATS, FUR COATS, DRESSES, GOWNS FOR OUTERWEAR, ROBES, KNITTED SWEATERS AND CARDIGANS, SHIRTS, BLOUSES, SKIRTS, TROUSERS, HATS AND BONNETS. C. & A. BRENNINKMEYER, INC., New York, N. Y.
Filed January 2, 1947. Serial No. 515,157. PUBLISHED NOVEMBER 11, 1947. Class 39.

441,410. DOLLS. MAX ECKARDT & SONS, INC., New York, N. Y.
Filed January 7, 1947. Serial No. 515,372. PUBLISHED AUGUST 17, 1948. Class 22.

441,411. DIETARY SUPPLEMENT CONSISTING OF PROTEIN HYDROLYSATE. LEO A. DENTONE, doing business as Dentone's Pharmaceuticals, Stockton, Calif.
Filed January 9, 1947. Serial No. 515,487. PUBLISHED JULY 20, 1948. Class 6.

441,412. PLANT AND HORTICULTURAL PARASITICIDES, INSECTICIDES, SPRAYS, FUNGICIDES, AND HORMONES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed January 13, 1947. Serial No. 515,655. PUBLISHED JULY 27, 1948. Class 6.

441,413. SPORT COATS FOR WOMEN. I. TARLOW & SON, Philadelphia, Pa.
Filed January 13, 1947. Serial No. 515,688. PUBLISHED AUGUST 17, 1948. Class 39.

441,414. MOUTH WASH AND DENTIFRICE. DAVID J. BARBEN, doing business as Gingisol Laboratories, Cleveland, Ohio.
Filed January 16, 1947. Serial No. 515,815. PUBLISHED JUNE 8, 1948. Class 6.

441,415. TOILET WATER, PERFUME, PERFUME EXTRACTS, TOILET LOTIONS, ETC. BEST & CO. INC., New York, N. Y.
Filed January 20, 1947. Serial No. 515,998. PUBLISHED JULY 27, 1948. Class 6.

441,416. PREPARATIONS FOR ORAL HYGIENE. OREX LABORATORIES, INC., Toledo, Ohio.
Filed January 29, 1947. Serial No. 516,566. PUBLISHED AUGUST 17, 1948. Class 6.

441,417. DEVICE FOR THE SEPARATION OF DUST FROM AIR, ETC. BREUER ELECTRIC MFG. CO., Chicago, Ill.
Filed February 8, 1947. Serial No. 517,180. PUBLISHED JUNE 29, 1948. Class 34.

441,418. PERFUMES. SOCIETE A RESPONSABILITE LIMITEE FORLANE, Paris, France.
Filed February 27, 1947. Serial No. 518,259. PUBLISHED JULY 20, 1948. Class 6.

441,419. MEDICAL PREPARATION FOR DERMATOLOGICAL USE, ETC. DERMIK PHARMACAL CO., INC., Brooklyn, N. Y.
Filed March 3, 1947. Serial No. 518,389. PUBLISHED AUGUST 17, 1948. Class 6.

441,420. COTTON SHIRTS; SHOPCOATS; PATIENT'S GOWNS; BARBER'S GOWNS; BAR VESTS; SMOCKS; WRAPAROUNDS; GARAGE COATS; COOK'S AND WAITER'S COATS, ETC. CALIFORNIA INDUSTRIAL GARMENT COMPANY, San Francisco, Calif.
Filed April 1, 1947. Serial No. 519,923. PUBLISHED AUGUST 17, 1948. Class 39.

441,421. GOODS MADE OF "PLASTIC" FILM: STORAGE BAGS, BAGS FOR STORING FOOD IN REFRIGERATORS, BREAD BAGS, BAGS FOR THE JACKETS OF MEN'S SUITS, GARMENT BAGS, DRESS BAGS, SUIT BAGS, BLANKET BAGS, LINEN BAGS, AND PILLOW BAGS. BOLAND MFG. CO., Chicago, Ill.
Filed April 24, 1947. Serial No. 521,238. PUBLISHED AUGUST 24, 1948. Class 2.

441,422. TOILET PREPARATIONS—NAMELY, OILS AND BLENDS OF OILS FOR APPLICATION TO THE SKIN, CREAMS AND LOTIONS FOR APPLICATION TO THE SKIN, ASTRINGENTS, FACE POWDERS, SKIN ROUGES, LIPSTICKS AND LIP ROUGES, AND BREATH AND BODY DEODORANTS. DERMETICS, INC., New York, N. Y.
Filed May 1, 1947. Serial No. 521,638. PUBLISHED JULY 27, 1948. Class 6.

441,423. WOMEN'S AND MISSES' OUTERWEAR APPAREL—NAMELY, SHORTS, PLAY-SUITS, AND BLOUSES. LAURESTA MODES, INC., New York, N. Y.
Filed May 6, 1947. Serial No. 521,952. PUBLISHED AUGUST 17, 1948. Class 39.

441,424. HATS FOR MEN AND WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed May 10, 1947. Serial No. 522,214. PUBLISHED AUGUST 10, 1948. Class 39.

441,425. FISHING GAMES AND OTHER GAMES WHICH ARE PLAYED BY MOVING PLAY PIECES ON A PLAYING FIELD BY MEANS OF MAGNETS ATTACHED TO RODS MANIPULATED BY THE PLAYERS UNDER THE PLAYING FIELD. SERGE L. CROWELL, doing business as The Dynotoy Manufacturing Co., Carle Place, N. Y.
Filed May 15, 1947. Serial No. 522,450. PUBLISHED JULY 27, 1948. Class 22.

441,426. REFRIGERATED SHOW CASES. ANDREW KUX, doing business as Occidental Electric Company, Nogales, Ariz.
Filed May 21, 1947. Serial No. 522,741. PUBLISHED AUGUST 17, 1948. Class 31.

441,427. INFANTS' GARMENTS—NAMELY, DIAPERS, SLEEPERS, PAJAMAS, PLAY SUITS, AND NIGHT GOWNS. HENRIETTA F. EISENACH, Saginaw, Mich.
Filed May 22, 1947. Serial No. 522,852. PUBLISHED AUGUST 24, 1948. Class 39.

441,428. WOMEN'S AND MISSES' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. SAN LOO, INC., St. Louis, Mo.
Filed May 26, 1947. Serial No. 523,041. PUBLISHED AUGUST 10, 1948. Class 39.

441,429. INSECTICIDE. WOOLFOLK CHEMICAL WORKS, LTD., Fort Valley, Ga.
Filed June 2, 1947. Serial No. 523,445. PUBLISHED AUGUST 17, 1948. Class 6.

441,430. FILTERING MATERIALS—NAMELY, FILTER MASSE, FILTER PULP. OTTO ERICH GIESE, New York, N. Y.
Filed June 26, 1947. Serial No. 524,870. PUBLISHED AUGUST 17, 1948. Class 31.

441,431. DRINKING GLASSES. ALBERT VILLAUDY, Hollywood, Calif.
Filed June 27, 1947. Serial No. 525,050. PUBLISHED AUGUST 24, 1948. Class 33.

441,432. RAINHATS, HATS, AND HAT COVERS. WILLIAM J. PETERS, doing business as Modern Style Products Manufacturing Company, New York, N. Y.
Filed June 30, 1947. Serial No. 525,241. PUBLISHED AUGUST 10, 1948. Class 39.

441,433. DOLLS. IMPERIAL CROWN TOY CORP., Brooklyn, N. Y.
Filed July 4, 1947. Serial No. 526,232. PUBLISHED JULY 6, 1948. Class 22.

ACT OF 1920

These registrations are not subject to opposition.

441,434. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JEAN VIVAUDOU CO., INC., New York, N. Y. Filed May 29, 1946. Serial No. 503,026.

ORLOFF

Bergamot

FOR SHAVING SOAP.
Claims use since June 1943.

441,435. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MAX C. RICHARDSON, Portland, Oreg. Filed June 7, 1946. Serial No. 503,465.

WARM-BOARD

FOR PREFABRICATED ELECTRICAL HEATING PANELS FOR USE IN BUILDING CONSTRUCTION, CONSISTING OF PANELS AND ELECTRICAL WARMING COILS EMBEDDED THEREIN.
Claims use since May 1, 1946.

ACT OF 1946, PRINCIPAL REGISTER

504,049. CANNED VEGETABLES—NAMELY, WHOLE BEETS, CUT BEETS, SLICED BEETS, DICED BEETS, AND SUGAR PEAS. GREEN BAY CANNING CORPORATION, Green Bay, Wis.
Filed August 13, 1947. Serial No. 499,549. PUBLISHED AUGUST 17, 1948. Class 46.

504,050. WATER HEATERS FOR DOMESTIC AND COMMERCIAL USE, USING NATURAL GAS OR LIQUIFIED PETROLEUM GAS, AND FLOOR FURNACES FOR DOMESTIC AND COMMERCIAL USE, USING FLUID FUEL. SOUTHERN HEATER COMPANY, INC., New Orleans, La.
Filed August 21, 1947. Serial No. 507,659. PUBLISHED AUGUST 10, 1948. Class 34.

504,051. REFRIGERATORS—NAMELY, ICE REFRIGERATORS FOR DOMESTIC AND COMMERCIAL USE, ICE CHESTS, MECHANICALLY OPERATED REFRIGERATORS FOR DOMESTIC AND COMMERCIAL USE, ETC. THE COOLERATOR COMPANY, Duluth, Minn.
Filed October 30, 1947. Serial No. 507,889. PUBLISHED AUGUST 10, 1948. Class 31.

504,052. MISSES' AND GIRLS' HATS. GAGE BROTHERS AND COMPANY, Chicago, Ill.
Filed September 4, 1947. Serial No. 508,475. PUBLISHED AUGUST 10, 1948. Class 39.

504,053. MEDICINAL REMEDY FOR TREATMENT OF ATHLETE'S FOOT. CARLISLE DRUG CO., Nashville, Tenn.
Filed September 11, 1947. Serial No. 509,561. PUBLISHED AUGUST 24, 1948. Class 6.

504,054. WORK SHIRTS, WORK PANTS, OVERALLS, JUMPERS, DUNGAREES, ALL-OVER-ALLS, CHILDREN'S PLAYSUITS, AND WASH SUITS. WASHINGTON MANUFACTURING COMPANY, Nashville, Tenn.
Filed August 13, 1947. Serial No. 510,744. PUBLISHED AUGUST 10, 1948. Class 39.

504,055. SHIPPING CONTAINERS FORMED OF FIBERBOARD AND WOOD. KIECKHEFER CONTAINER COMPANY, Camden, N. J.
Filed October 4, 1947. Serial No. 511,226. PUBLISHED AUGUST 24, 1948. Class 2.

504,056. BRONCHOSCOPES. GEORGE P. PILLING & SON COMPANY, Philadelphia, Pa.
Filed September 19, 1947. Serial No. 511,830. PUBLISHED AUGUST 17, 1948. Class 44.

504,057. DOLLS. IDEAL NOVELTY & TOY CO., Hollis, N. Y.
Filed October 3, 1947. Serial No. 511,997. PUBLISHED JUNE 22, 1948. Class 22.

504,058. WHEAT FLOUR. TEXAS STAR FLOUR MILLS, Galveston, Tex.
Filed November 28, 1947. Serial No. 513,001. PUBLISHED AUGUST 10, 1948. Class 46.

504,059. PHOTOGRAPHIC PROCESSING KITS CONSISTING OF CHEMICALS FOR DEVELOPING PHOTOGRAPHIC COLOR FILM, PHOTOGRAPHIC DEVELOPERS, PHOTOGRAPHIC COLOR DEVELOPERS, PHOTOGRAPHIC HARDENERS, PHOTOGRAPHIC CLEARING AND FIXING BATH, AND PHOTOGRAPHIC BLEACH. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y.
Filed September 11, 1947. Serial No. 513,035. PUBLISHED AUGUST 10, 1948. Class 6.

504,060. VITAMIN PREPARATION. H. W. KINNEY AND SONS, INC., Columbus, Ind., assignor to Harry S. Kinney and Wallis R. Kinney, a copartnership, doing business as Kinney and Company, Columbus, Ind.
Filed December 9, 1947. Serial No. 513,514. PUBLISHED JUNE 8, 1948. Class 6.

504,061. GRASS SEEDS. F. W. BOLGIANO & CO., INC., Washington, D. C.
Filed August 25, 1947. Serial No. 514,101. PUBLISHED AUGUST 10, 1948. Class 1.

504,062. LIQUID MEDICINAL PRODUCT TO BE USED FOR THE TREATMENT OF RHEUMATISM, ARTHRITIS, NEURALGIA, HEADACHE AND ACHES AND PAINS. JOHN E. RESPONDEK, doing business as Romo Drug Co., Detroit, Mich.
Filed November 12, 1947. Serial No. 514,495. PUBLISHED AUGUST 24, 1948. Class 6.

504,063. PERFUMES, TOILET WATERS, FACE LOTIONS, FACE CREAMS, FACE POWDERS, ROUGES, AND LIPSTICKS. VIGNY, New York, N. Y.
Filed September 23, 1947. Serial No. 514,636. PUBLISHED AUGUST 10, 1948. Class 6.

504,064. THERAPEUTIC PREPARATION USED TO INHIBIT THE TRANSMISSION OF NERVE IMPULSES. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed July 22, 1947. Serial No. 515,696. PUBLISHED AUGUST 3, 1948. Class 6.

504,065. MEN'S AND BOYS' WEAR—NAMELY, SUITS, OVERCOATS, TOP COATS, DRESS PANTS, ETC. CHAS. WEINER & SONS, INC., Chicago, Ill.
Filed August 22, 1947. Serial No. 516,256. PUBLISHED AUGUST 10, 1948. Class 39.

504,066. ICE COOLED WATER COOLERS AND MECHANICALLY COOLED WATER COOLERS. CORDLEY & HAYES, New York, N. Y.
Filed October 17, 1947. Serial No. 518,202. PUBLISHED AUGUST 17, 1948. Class 31.

504,067. BELTS, GARTERS, SUSPENDERS, BRACES, AND ARM BANDS FOR WEARING APPAREL. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed August 8, 1947. Serial No. 518,968. PUBLISHED AUGUST 10, 1948. Class 39.

504,068. BELTS, GARTERS, SUSPENDERS, BRACES, AND ARM BANDS, ALL FOR WEARING APPAREL. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed August 8, 1947. Serial No. 518,972. PUBLISHED AUGUST 10, 1948. Class 39.

504,069. CANNED SARDINES. R. J. PEACOCK CANNING CO., Lubec, Maine.
Filed September 3, 1947. Serial No. 519,975. PUBLISHED AUGUST 17, 1948. Class 46.

504,070. FISH LURES. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed August 15, 1947. Serial No. 520,507. PUBLISHED AUGUST 17, 1948. Class 22.

504,071. CHLORINATED HYDROCARBON FUMIGANT USED FOR "SPOT FUMIGATION" OF MILL MACHINERY, IN VAULTS, WAREHOUSES, ETC. HUNTINGTON LABORATORIES, INC., Huntington, Ind.
Filed November 25, 1947. Serial No. 520,705. PUBLISHED AUGUST 24, 1948. Class 6.

504,072. CARBON BLACK. JEFFERSON LAKE SULPHUR COMPANY, INC., Houston, Tex.
Filed July 31, 1947. Serial No. 520,814. PUBLISHED AUGUST 24, 1948. Class 1.

504,073. FISHING LINE MADE FROM NYLON RAW MATERIALS. A. JAEKLI FABRICS, INC., New York, N. Y.
Filed October 10, 1947. Serial No. 521,189. PUBLISHED AUGUST 3, 1948. Class 22.

504,074. MEN'S AND BOYS' OVERCOATS. S. WEITZ & CO., INC., Cleveland, Ohio.
Filed August 14, 1947. Serial No. 521,231. PUBLISHED AUGUST 31, 1948. Class 39.

504,075. HERNIAL TRUSSES AND PARTS THEREOF, SUSPENSORIES AND ATHLETIC SUPPORTERS. CHESTERMAN-LEELAND COMPANY, Philadelphia, Pa.
Filed August 21, 1947. Serial No. 522,840. PUBLISHED AUGUST 17, 1948. Class 44.

504,076. OUTER SUITS, FLANNEL TROUSERS, COATS, HATS, NECKTIES, DRESS VESTS AND SWEATERS, ALL FOR THE USE OF MEN AND BOYS. OVIATT'S, Los Angeles, Calif.
Filed August 7, 1947. Serial No. 523,530. PUBLISHED AUGUST 31, 1948. Class 39.

504,077. CORSETS, FOUNDATION GARMENTS, AND COMBINATIONS OF GIRDLES AND BRASSIÈRES. ROYAL WORCESTER CORSET COMPANY, Worcester, Mass.
Filed December 11, 1947. Serial No. 523,864. PUBLISHED AUGUST 10, 1948. Class 39.

504,078. MEN'S, WOMEN'S, AND CHILDREN'S WORK CLOTHES—NAMELY, DUNGAREES, OVERALLS, COVERALLS. THE SALEM COMPANY INCORPORATED, Winston-Salem, N. C.
Filed September 16, 1947. Serial No. 525,497. PUBLISHED AUGUST 17, 1948. Class 39.

504,079. MILK COOLING MACHINES INCORPORATING ELECTRIC REFRIGERATION SYSTEMS. BABSON BROS. CO., Chicago, Ill.
Filed July 5, 1947. Serial No. 526,552. PUBLISHED AUGUST 17, 1948. Class 31.

504,080. GRASS SEED. ASSOCIATED SEED GROWERS, INCORPORATED, New Haven, Conn.
Filed July 5, 1947. Serial No. 526,580. PUBLISHED AUGUST 24, 1948. Class 1.

504,081. INVISIBLE EAR MOLDS FOR HEARING AIDS. THE MAICO COMPANY, INCORPORATED, Minneapolis, Minn.
Filed July 5, 1947. Serial No. 526,621. PUBLISHED AUGUST 17, 1948. Class 44.

504,082. FOOD TRAYS MOLDED OF PLASTIC MATERIAL. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed July 5, 1947. Serial No. 526,645. PUBLISHED AUGUST 24, 1948. Class 2.

504,083. SAL SODA AND BICARBONATE OF SODA (BAKING SODA). CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,784. PUBLISHED AUGUST 24, 1948. Class 6.

504,084. SAL SODA, BICARBONATE OF SODA, (BAKING SODA). CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,788. PUBLISHED AUGUST 3, 1948. Class 6.

504,085. ALKANOLAMINE CARBONATE POLYMERS. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed July 5, 1947. Serial No. 526,906. PUBLISHED AUGUST 3, 1948. Class 6.

504,086. MEN'S AND BOYS' SUITS, OVERCOATS, TOP COATS, RAINCOATS, TUXEDOS, FULL DRESS SUITS, SPORT SLACKS, SLACK SUITS, SPORT COATS, OUTER SHIRTS, NECKTIES, UNDERWEAR, AND SOCKS; AND LADIES' COATS, SUITS, RAINCOATS, SPORT COATS, SLACKS, AND SKIRTS. STUARTS CLOTHES, INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,967. PUBLISHED AUGUST 31, 1948. Class 39.

504,087. CHINA TABLEWARE AND CHINA ART OBJECTS NOT ORNAMENTED WITH PRECIOUS METALS—NAMELY, VASES, CENTERPIECES CONSISTING OF A TRAY AND BOWL. CASTLETON CHINA INCORPORATED, New York, N. Y.
Filed July 5, 1947. Serial No. 526,973. PUBLISHED AUGUST 31, 1948. Class 30.

504,088. FISHING LINES. B. F. GLADDING & CO. INC., South Otselic, N. Y.
Filed July 5, 1947. Serial No. 527,082. PUBLISHED AUGUST 17, 1948. Class 22.

504,089. FUR SKINS, HIDES, AND PELTS. FOUKE FUR COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,197. PUBLISHED AUGUST 24, 1948. Class 1.

504,090. FUR SKINS, HIDES, AND PELTS. FOUKE FUR COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,198. PUBLISHED AUGUST 24, 1948. Class 1.

504,091. RECONSTRUCTIVE TONIC, RECOMMENDED FOR THE TREATMENT OF SECONDARY ANEMIA. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed July 5, 1947. Serial No. 527,315. PUBLISHED AUGUST 17, 1948. Class 6.

504,092. CANNED SALMON. NAKAT PACKING CORPORATION, New York, N. Y.
Filed July 5, 1947. Serial No. 527,413. PUBLISHED AUGUST 17, 1948. Class 46.

504,093. BEEF IN THIN SLICES. RICHARD J. CUDDEBACK, doing business as Cuddeback Packing Co., Canandaigua, N. Y.
Filed July 9, 1947. Serial No. 528,195. PUBLISHED AUGUST 17, 1948. Class 46.

504,094. FEED WATER HEATERS, FOR PRE-HEATING WATER THAT IS SUPPLIED TO WATER HEATERS, DEAERATING HEATERS FOR HEATING AND REMOVING GASES FROM WATER THAT IS USED FOR INDUSTRIAL PURPOSES, ETC. ELLIOTT COMPANY, Jeannette, Pa.
Filed July 9, 1947. Serial No. 528,199. PUBLISHED AUGUST 10, 1948. Class 34.

504,095. FILTERS AND GREASE EXTRACTORS THAT ARE USED FOR REMOVING ORGANIC MATTER, SEDIMENT, ETC., AND FOR EXTRACTING OIL AND GREASE, FROM WATER IN POWER AND INDUSTRIAL PLANTS, ETC. ELLIOTT COMPANY, Jeannette, Pa.
Filed July 9, 1947. Serial No. 528,200. PUBLISHED AUGUST 10, 1948. Class 31.

504,096. SAUSAGE. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 12, 1947. Serial No. 528,413. PUBLISHED AUGUST 17, 1948. Class 46.

504,097. BOATS—NAMELY, SMALL PLEASURE CRAFT INCLUDING ROW BOATS AND OARS. THE FLOUR CITY ORNAMENTAL IRON COMPANY, Minneapolis, Minn.
Filed July 12, 1947. Serial No. 528,438. PUBLISHED AUGUST 17, 1948. Class 19.

504,098. SAUSAGE. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 16, 1947. Serial No. 528,675. PUBLISHED AUGUST 17, 1948. Class 46.

504,099. WEARING APPAREL—NAMELY, HATS, CAPS, GLOVES AND MITTENS. PORTIS STYLE INDUSTRIES, INC., Chicago, Ill.
Filed July 21, 1947. Serial No. 529,085. PUBLISHED AUGUST 10, 1948. Class 39.

504,100. PAJAMAS. KNOTHE BROTHERS CO. INC., New York, N. Y.
Filed July 22, 1947. Serial No. 529,170. PUBLISHED APRIL 6, 1948. Class 39.

504,101. SLEEPING GARMENTS INCLUDING ONE AND TWO PIECE SLEEPING SUITS, SLEEPING HOODS, AND SLEEPING BAGS IN THE NATURE OF GARMENTS. DENTON SLEEPING GARMENT MILLS, INC., Centerville, Mich.
Filed July 23, 1947. Serial No. 529,238. PUBLISHED AUGUST 10, 1948. Class 39.

504,102. BUTTER. ZENITH-GODLEY CO. INC., New York, N. Y.
Filed July 23, 1947. Serial No. 529,330. PUBLISHED AUGUST 17, 1948. Class 46.

504,103. POTTERY AND CHINA ARTICLES—NAMELY, SALT AND PEPPER SHAKERS AND CUPS. PICKARD, INCORPORATED, Antioch, Ill.
Filed July 24, 1947. Serial No. 529,402. PUBLISHED AUGUST 17, 1948. Class 30.

504,104. FACE CREAMS AND POWDERS, COLD CREAM, AND TALCUM POWDERS, HAIR OIL, SHAMPOOS, ETC. K K K MEDICINE COMPANY, Keokuk, Iowa.
Filed July 25, 1947. Serial No. 529,470. PUBLISHED JULY 27, 1948. Class 6.

504,105. POTATO CHIPS. THE DAN-DEE PRETZEL AND POTATO CHIP COMPANY, Cleveland, Ohio.
Filed July 26, 1947. Serial No. 529,607. PUBLISHED AUGUST 17, 1948. Class 46.

504,106. REFRIGERATOR DISPLAY CASES FOR STORES AND MARKETS, WALK-IN COOLERS FOR STORES AND MARKETS, AND REACH-IN COOLERS FOR STORES AND MARKETS. MINNEAPOLIS SHOW CASE AND FIXTURE CO., Minneapolis, Minn.
Filed July 28, 1947. Serial No. 529,792. PUBLISHED AUGUST 17, 1948. Class 31.

504,107. IMITATION CHILI CON CARNE. ARMOUR AND COMPANY, doing business as North American Provision Company, Chicago, Ill.
Filed July 29, 1947. Serial No. 529,861. PUBLISHED AUGUST 17, 1948. Class 46.

504,108. WOVEN ASBESTOS OIL STOVE WICKING. RAYBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed July 29, 1947. Serial No. 529,931. PUBLISHED AUGUST 10, 1948. Class 34.

504,109. TALCUM POWDER FOR BILLIARD PLAYERS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed July 30, 1947. Serial No. 529,960. PUBLISHED AUGUST 3, 1948. Class 6.

504,110. LADIES', MISSES', AND CHILDREN'S DRESSES, OVERSKIRTS, WAISTS, MIDDY BLOUSES, AND SPORT COATS. THE GOLDMAN COMPANY, Baltimore, Md.
Filed July 31, 1947. Serial No. 530,077. PUBLISHED AUGUST 10, 1948. Class 39.

504,111. FOOTWEAR MADE OF RUBBER AND OF COMBINATIONS OF RUBBER AND FABRIC AND OF RUBBER AND LEATHER—NAMELY, BOOTS, ETC. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind.
Filed July 31, 1947. Serial No. 530,100. PUBLISHED AUGUST 10, 1948. Class 39.

504,112. LIVE STOCK TONIC. DOROTHY SNOW SIMPSON, doing business as Old Home Veterinary Remedies Company, Canastota, N. Y.
Filed August 6, 1947. Serial No. 530,683. PUBLISHED AUGUST 17, 1948. Class 6.

504,113. LIQUID UNDERCOAT FOR NAIL POLISH. ELIZABETH ARDEN SALES CORP., New York, N. Y.
Filed August 7, 1947. Serial No. 530,707. PUBLISHED AUGUST 17, 1948. Class 6.

504,114. CHILDREN'S PLAYSUITS, SUN SUITS, PANTS, SHIRTS, BLOUSES, MIDDIES, OVERALLS, ETC. TEX-SON CO., San Antonio, Tex.
Filed August 7, 1947. Serial No. 530,786. PUBLISHED AUGUST 10, 1948. Class 39.

504,115. CORSETS, GIRDLES, FULL FOUNDATION GARMENTS AND BRASSIÈRES. KELLOGG CORSET COMPANY, Jackson, Mich.
Filed August 8, 1947. Serial No. 530,829. PUBLISHED AUGUST 17, 1948. Class 39.

504,116. CANNED FRUITS AND VEGETABLES. WALLA WALLA CANNING COMPANY, Walla Walla, Wash.
Filed August 11, 1947. Serial No. 531,068. PUBLISHED AUGUST 17, 1948. Class 46.

504,117. SEMI ANTHRACITE COAL. THE PITTSBURG & MIDWAY COAL MINING CO., Kansas City, Mo.
Filed August 13, 1947. Serial No. 531,240. PUBLISHED AUGUST 10, 1948. Class 1.

504,118. FOOTWEAR—NAMELY, SHOES, SLIPPERS, AND SANDALS MADE OF LEATHER, FABRIC, RUBBER OR CORK, AND/OR OF COMBINATIONS OF SAID MATERIALS. JOYCE, INC., Pasadena, Calif.
Filed August 18, 1947. Serial No. 531,680. PUBLISHED AUGUST 10, 1948. Class 39.

504,119. FISHING LINES, FISHING RODS AND FISHING REELS. SHAPLEIGH HARDWARE COMPANY, doing business as Diamond Manufacturing Co., St. Louis, Mo.
Filed August 18, 1947. Serial No. 531,727. PUBLISHED AUGUST 17, 1948. Class 22.

504,120. REFRIGERATOR OPEN TYPE PRODUCE DISPLAY CASES. WEBER SHOWCASE & FIXTURE CO., INC., Los Angeles, Calif.
Filed August 20, 1947. Serial No. 531,971. PUBLISHED JUNE 1, 1948. Class 31.

504,121. QUICK FROZEN FISH—NAMELY, DEEP SEA SCALLOPS, COD STEAKS, AND HADDOCK FILLETS. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed August 21, 1947. Serial No. 532,019. PUBLISHED AUGUST 17, 1948. Class 46.

504,122. MEN'S CLOTHING—NAMELY, SUITS, JACKETS, TOPCOATS, OVERCOATS, TROUSERS, AND SPORTCOATS. WILLIAM B. KESSLER, INC., Hammonton, N. J.
Filed August 21, 1947. Serial No. 532,029. PUBLISHED AUGUST 31, 1948. Class 39.

504,123. CLOTH WORK GLOVES. ADVANCE GLOVE MANUFACTURING COMPANY, Detroit, Mich.
Filed August 22, 1947. Serial No. 532,087. PUBLISHED AUGUST 10, 1948. Class 39.

504,124. MEN'S HOSIERY, FOUR-IN-HANDS, AND BOWTIES, MEN'S MUFFLERS, AND CRAVATS, AND MEN'S LEATHER AND FABRIC GLOVES, AND MEN'S LOUNGING ROBES. KRAMER BRANDEIS, INC., New York, N. Y.
Filed August 25, 1947. Serial No. 532,267. PUBLISHED AUGUST 31, 1948. Class 39.

504,125. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER AND FABRIC SLIPPERS, MOCCASINS, SHOES, AND PARTS THEREOF—NAMELY, SOLES AND HEELS; RUBBERS AND HOSIERY. FOOT FORM SHOE SHOPS, INC., New York, N. Y.
Filed August 25, 1947. Serial No. 532,286. PUBLISHED AUGUST 10, 1948. Class 39.

504,126. BUSES. MERCURY AIRCRAFT, INC., Hammondsport, N. Y.
Filed August 25, 1947. Serial No. 532,316. PUBLISHED AUGUST 17, 1948. Class 19.

504,127. HOUSE SLIPPERS. C. A. GROSVENOR SHOE COMPANY, Worcester, Mass.
Filed August 25, 1947. Serial No. 532,420. PUBLISHED AUGUST 10, 1948. Class 39.

504,128. NECKTIES AND CRAVATS. THE BERKLEY COMPANY, Philadelphia, Pa.
Filed August 27, 1947. Serial No. 532,548. PUBLISHED AUGUST 31, 1948. Class 39.

504,129. SHOES CONSTRUCTED WHOLLY OR IN PART OF LEATHER. HUTH-JAMES SHOE, INC., Waupun, Wis.
Filed August 27, 1947. Serial No. 532,594. PUBLISHED AUGUST 17, 1948. Class 39.

504,130. ELECTROSTATIC AIR FILTERS. TRION, INC., McKees Rocks, Pa.
Filed August 27, 1947. Serial No. 532,660. PUBLISHED AUGUST 17, 1948. Class 31.

504,131. NECKTIES. ALVIN HARRIS, doing business as Harris Neckwear Co., Baltimore, Md.
Filed August 28, 1947. Serial No. 532,703. PUBLISHED AUGUST 31, 1948. Class 39.

504,132. MACHINES FOR FREEZING ICE. AUTOMATIC ICE CORPORATION, Blue Island, Ill.
Filed August 29, 1947. Serial No. 532,795. PUBLISHED AUGUST 17, 1948. Class 31.

504,133. PEAT FOR HORTICULTURAL USES. NUTRIA PEAT SALES COMPANY, Minneapolis, Minn.
Filed August 29, 1947. Serial No. 532,861. PUBLISHED AUGUST 17, 1948. Class 1.

504,134. KITS FOR BLOWING PLASTIC BUBBLES INCLUDING A TUBE OF PLASTIC MATERIAL AND A BLOWING TUBE. THERMOCOR PRODUCTS, INC., Cincinnati, Ohio.
Filed August 30, 1947. Serial No. 532,970. PUBLISHED JULY 20, 1948. Class 22.

504,135. NURSERY STOCKS. LAKELAND NURSERIES, Faribault, Minn.
Filed August 30, 1947. Serial No. 532,983. PUBLISHED AUGUST 24, 1948. Class 1.

504,136. VITAMIN PREPARATIONS, ANALGESICS, HYPNOTICS, SEDATIVES, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed September 2, 1947. Serial No. 533,046. PUBLISHED AUGUST 17, 1948. Class 6.

504,137. BOARD GAME PLAYED WITH PIECES AND SPINNER. SELCHOW & RIGHTER COMPANY, New York, N. Y.
Filed September 4, 1947. Serial No. 533,405. PUBLISHED JULY 20, 1948. Class 22.

504,138. CARD GAME PLAYED WITH SPECIAL CARDS, CHIPS, AND DICE. SELCHOW & RIGHTER COMPANY, New York, N. Y.
Filed September 4, 1947. Serial No. 533,406. PUBLISHED JULY 20, 1948. Class 22.

504,139. BOARD GAME PLAYED WITH PIECES AND DICE. SELCHOW & RIGHTER COMPANY, New York, N. Y.
Filed September 4, 1947. Serial No. 533,407. PUBLISHED JULY 20, 1948. Class 22.

504,140. BOARD GAME PLAYED WITH PIECES AND DICE. SELCHOW & RIGHTER COMPANY, New York, N. Y.
Filed September 4, 1947. Serial No. 533,408. PUBLISHED JULY 20, 1948. Class 22.

504,141. OUTERSHIRTS AND UNDERWEAR FOR MEN, WOMEN, BOYS, AND GIRLS. MARKOVITZ BROTHERS, INCORPORATED, Philadelphia, Pa.
Filed August 18, 1947. Serial No. 533,483. PUBLISHED AUGUST 24, 1948. Class 39.

504,142. HOSIERY. MARKOVITZ BROTHERS, INCORPORATED, Philadelphia, Pa.
Filed August 18, 1947. Serial No. 533,484. PUBLISHED AUGUST 24, 1948. Class 39.

504,143. DRESSED HORSE HAIR. ARTHUR A. REICHMANN, Philadelphia, Pa.
Filed September 6, 1947. Serial No. 533,685. PUBLISHED AUGUST 10, 1948. Class 1.

504,144. CANDY. PAUL F. BEICH CO., Bloomington, Ill.
Filed September 10, 1947. Serial No. 533,979. PUBLISHED AUGUST 17, 1948. Class 46.

504,145. ACTIVATED CARBON FOR GENERAL USE IN THE INDUSTRIAL ARTS AND MORE PARTICULARLY THE TREATMENT OF LIQUIDS. THE PERMUTIT COMPANY, New York, N. Y.
Filed September 10, 1947. Serial No. 534,048. PUBLISHED AUGUST 10, 1948. Class 1.

504,146. BITUMINOUS COAL. TRUAX-TRAER COAL COMPANY, Chicago, Ill.
Filed September 10, 1947. Serial No. 534,067. PUBLISHED AUGUST 17, 1948. Class 1.

504,147. COOKING AND HEATING STOVES AND FURNACES. GRAY & DUDLEY COMPANY, Nashville, Tenn.
Filed September 11, 1947. Serial No. 534,108. PUBLISHED AUGUST 17, 1948. Class 34.

504,148. COOKING AND HEATING STOVES AND FURNACES. GRAY & DUDLEY COMPANY, Nashville, Tenn.
Filed September 11, 1947. Serial No. 534,109. PUBLISHED AUGUST 17, 1948. Class 34.

504,149. FISHING RODS. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed September 11, 1947. Serial No. 534,123. PUBLISHED JULY 27, 1948. Class 22.

504,150. FISH LURES. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed September 11, 1947. Serial No. 534,126. PUBLISHED JULY 20, 1948. Class 22.

504,151. FISH LURES, FISHING RODS, AND FISHING REELS. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed September 11, 1947. Serial No. 534,138. PUBLISHED JULY 13, 1948. Class 22.

504,152. FISH LURES. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed September 11, 1947. Serial No. 534,139. PUBLISHED JULY 20, 1948. Class 22.

504,153. FISH LURES, FISHING RODS, AND FISHING REELS. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed September 11, 1947. Serial No. 534,140. PUBLISHED JULY 20, 1948. Class 22.

504,154. FISH LURES. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed September 11, 1947. Serial No. 534,142. PUBLISHED JULY 20, 1948. Class 22.

504,155. MEN'S GARMENT SUPPORTING BELTS. A. STEIN & COMPANY, Chicago, Ill.
Filed September 11, 1947. Serial No. 534,205. PUBLISHED AUGUST 31, 1948. Class 39.

504,156. JUNIOR MISSES', MISSES', AND WOMEN'S DRESSES. SUSAN SAGE INC., New York, N. Y.
Filed September 15, 1947. Serial No. 534,557. PUBLISHED AUGUST 17, 1948. Class 39.

504,157. CUT HOLLY SPRAYS AND DESIGNED NATURAL HOLLY PIECES. GEORGE WEBER, Seattle, Wash.
Filed September 15, 1947. Serial No. 534,575. PUBLISHED AUGUST 17, 1948. Class 1.

504,158. CARBON BLACK HAVING A VARIETY OF INDUSTRIAL USES. J. M. HUBER CORPORATION, Red Bank, N. J., and New York, N. Y.
Filed September 16, 1947. Serial No. 534,629. PUBLISHED AUGUST 10, 1948. Class 1.

504,159. HANDKERCHIEFS AND BANDANAS. VICTOR B. HANDAL & BRO., INC., New York, N. Y.
Filed September 17, 1947. Serial No. 534,776. PUBLISHED AUGUST 31, 1948. Class 39.

504,160. SANITARY NAPKINS. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed September 19, 1947. Serial No. 535,039. PUBLISHED AUGUST 17, 1948. Class 44.

504,161. TOY DOLLS AND FIGURES. TWINZY TOY COMPANY, Battle Creek, Mich.
Filed September 19, 1947. Serial No. 535,104. PUBLISHED JULY 20, 1948. Class 22.

504,162. SOLID OR LIQUID CHEMICAL ADMIXTURES USED FOR THE PRODUCTION OF CHEMICAL COATINGS FOR THE PREVENTION OF OXIDATION TO ZINC AND CADMIUM SURFACES AND TO PREPARE SUCH SURFACES FOR THE APPLICATION OF PAINT ON OTHER FINISH. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Filed September 20, 1947. Serial No. 535,115. PUBLISHED AUGUST 10, 1948. Class 6.

504,163. HOSIERY. ROCKWOOD MILLS, Rockwood, Tenn.
Filed September 20, 1947. Serial No. 535,183. PUBLISHED AUGUST 17, 1948. Class 39.

504,164. NURSERY STOCKS. ANDREWS NURSERY COMPANY, Faribault, Minn.
Filed September 22, 1947. Serial No. 535,213. PUBLISHED AUGUST 24, 1948. Class 1.

504,165. DRESSES, GOWNS, SUITS, WRAPS, AND COATS. JENNY LEE, Minneapolis, Minn.
Filed September 22, 1947. Serial No. 535,246. PUBLISHED AUGUST 10, 1948. Class 39.

504,166. FORTUNE TELLING GAME CONSISTING OF A BOX OF STICKS WITH NUMBERS THEREON WHICH CORRESPOND WITH LIKE NUMBERS IN A BOOK. YUKICHI SAKAI, doing business as The Pacific Dry Goods Co., San Francisco, Calif.
Filed September 22, 1947. Serial No. 535,263. PUBLISHED JULY 20, 1948. Class 22.

504,167. GOLF CLUBS AND PARTS OF GOLF CLUBS, PARTICULARLY: GOLF CLUB SHAFT CAPS, GOLF CLUB SHAFT END PLUGS, RUBBER GRIPS FOR GOLF CLUB SHAFTS, ETC. KENNETH SMITH, Kansas City, Mo.
Filed September 22, 1947. Serial No. 535,268. PUBLISHED JULY 13, 1948. Class 22.

504,168. BOX TOES. DAVIS BOX TOE COMPANY, INC., Brooklyn, N. Y.
Filed September 24, 1947. Serial No. 535,494. PUBLISHED AUGUST 17, 1948. Class 39.

504,169. SOLES AND HEELS. GRO-CORD RUBBER COMPANY, Lima, Ohio.
Filed September 24, 1947. Serial No. 535,523. PUBLISHED AUGUST 17, 1948. Class 39.

504,170. METAL DRUMS. SOUTHERN STATES IRON ROOFING COMPANY, Savannah, Ga.
Filed September 24, 1947. Serial No. 535,640. PUBLISHED AUGUST 24, 1948. Class 2.

504,171. WATER PISTOLS. ARPIN PRODUCTS, INC., Orange, N. J.
Filed September 30, 1947. Serial No. 536,216. PUBLISHED JULY 20, 1948. Class 22.

504,172. PAJAMAS, PAJAMA COATS, BEACH COATS, SMOCK COATS, UTILITY COATS, AND BATH ROBES. KAYLON INCORPORATED, New York, N. Y.
Filed October 2, 1947. Serial No. 536,531. PUBLISHED AUGUST 31, 1948. Class 39.

504,173. FOOTBALLS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed October 2, 1947. Serial No. 536,556. PUBLISHED JULY 20, 1948. Class 22.

504,174. GOLF CLUBS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed October 2, 1947. Serial No. 536,558. PUBLISHED JULY 20, 1948. Class 22.

504,175. GOLF CLUBS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed October 3, 1947. Serial No. 536,648. PUBLISHED JULY 20, 1948. Class 22.

504,176. GOLF CLUBS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed October 3, 1947. Serial No. 536,651. PUBLISHED AUGUST 3, 1948. Class 22.

504,177. GAME SCORING BOARDS. HALL-SMITH CO., Seattle, Wash.
Filed October 6, 1947. Serial No. 536,893. PUBLISHED JULY 27, 1948. Class 22.

504,178. ARTIFICIALLY-PREPARED ALKALINE WATER FOR NEUTRALIZING THE ACIDITY OF THE URINE. KALAK WATER CO., OF NEW YORK, INC., New York, N. Y.
Filed October 7, 1947. Serial No. 537,046. PUBLISHED AUGUST 3, 1948. Class 6.

504,179. CHILDREN'S DRESSES. MIRIAM NORVILLE, Birmingham, Ala.
Filed October 9, 1947. Serial No. 537,348. PUBLISHED AUGUST 10, 1948. Class 39.

504,180. TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, AND TABLE TENNIS BATS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed October 11, 1947. Serial No. 537,627. PUBLISHED AUGUST 3, 1948. Class 22.

504,181. TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, TABLE TENNIS BATS, GOLF BALLS AND GOLF CLUBS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed October 11, 1947. Serial No. 537,630. PUBLISHED AUGUST 3, 1948. Class 22.

504,182. TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, GOLF BALLS, GOLF CLUBS, ETC. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed October 11, 1947. Serial No. 537,631. PUBLISHED AUGUST 3, 1948. Class 22.

504,183. PREPARATION FOR THE TREATMENT OF JAUNDICE, HEADACHE, DYSPEPSIA, WORMS, DIZZINESS, ETC. WHITEHALL PHARMACAL COMPANY, New York, N. Y., assignor to Whitehall Pharmacal Company, a corporation of Illinois.
Filed October 11, 1947. Serial No. 537,642. PUBLISHED AUGUST 3, 1948. Class 6.

504,184. CIRCULATING SPACE HEATERS. WASHINGTON STOVE WORKS, Everett, Wash.
Filed October 10, 1947. Serial No. 537,772. PUBLISHED AUGUST 10, 1940. Class 34.

504,185. CHEMICAL FLUID FOR CIGARETTE LIGHTERS. BOYLE-MIDWAY INC., Jersey City, N. J.
Filed October 16, 1947. Serial No. 537,976. PUBLISHED AUGUST 3, 1948. Class 6.

504,186. TENNIS RACKETS, SQUASH RACKETS, TABLE TENNIS BALLS, TABLE TENNIS BATS AND BADMINTON RACKETS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed October 22, 1947. Serial No. 538,667. PUBLISHED AUGUST 3, 1948. Class 22.

504,187. ELECTRIC HAIR DRIERS, PERMANENT HAIR WAVING MACHINES AND PARTS THEREOF, ETC. EUGENE, LTD., Brooklyn, N. Y.
Filed October 27, 1947. Serial No. 539,144. PUBLISHED AUGUST 17, 1948. Class 44.

504,188. DENTAL FILLINGS AND VARIOUS TYPES OF DENTAL CEMENTATION. THE L. D. CAULK COMPANY, Milford, Del.
Filed October 28, 1947. Serial No. 539,269. PUBLISHED AUGUST 17, 1948. Class 44.

504,189. BASEBALLS, BASEBALL MITTS, BASEBALL GLOVES, ETC. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed November 5, 1947. Serial No. 540,215. PUBLISHED AUGUST 3, 1948. Class 22.

504,190. VITAMIN, IRON FOR USE AS A DIETARY SUPPLEMENT, IODINE, PITUITARY PREPARATIONS, PAPAIN, NIACIN, LAXATIVES, CALCIUM CARBONATE, WHEAT GERM OIL. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif.
Filed November 7, 1947. Serial No. 540,408. PUBLISHED AUGUST 17, 1948. Class 6.

504,191. FRESH CITRUS FRUITS. LAVERNE ORANGE ASSOCIATION, La Verne, Calif.
Filed November 12, 1947. Serial No. 540,832. PUBLISHED APRIL 6, 1948. Class 46.

504,192. MEN'S FELT HATS. DALTON HAT CO., INC., Yonkers, N. Y.
Filed November 15, 1947. Serial No. 541,265. PUBLISHED AUGUST 17, 1948. Class 39.

504,193. NEGLIGEES, LOUNGING, BEACH, AND BATH ROBES, BED ROOM JACKETS, HOUSE DRESSES, HOUSE COATS, PAJAMAS, AND TEA GOWNS. RAYMODE NEGLIGEE INC., New York, N. Y.
Filed November 20, 1947. Serial No. 541,883. PUBLISHED AUGUST 17, 1948. Class 39.

504,194. LADIES', MISSES', AND CHILDREN'S UNDERWEAR—NAMELY, BLOOMERS, PANTIES, BRASSIÈRES, VESTS, UNDERSHIRTS, SLIPS AND PETTICOATS, AND/OR COMBINATIONS OF THE FOREGOING. CONTINENTAL UNDERGARMENT CO., INC., Brooklyn, N. Y.
Filed November 21, 1947. Serial No. 541,919. PUBLISHED AUGUST 10, 1948. Class 39.

504,195. LADIES' AND MISSES' HATS. ROSENTHAL ACKERMAN MILLINERY COMPANY, St. Louis, Mo.
Filed November 21, 1947. Serial No. 541,968. PUBLISHED AUGUST 17, 1948. Class 39.

504,196. WOMEN'S CLOTHING—NAMELY, COATS, SUITS, DRESSES, EVENING GOWNS, BLOUSES, SKIRTS, GLOVES, AND SCARFS. MARIA WILSON, Beverley Hills, Calif.
Filed November 24, 1947. Serial No. 542,191. PUBLISHED AUGUST 31, 1948. Class 39.

504,197. FACE, NECK, AND HAND CREAM. FRANK SZYPERSKI, doing business as H. & S. Company, Stamford, Conn., and Forest Hills, N. Y.
Filed November 25, 1947. Serial No. 542,370. PUBLISHED AUGUST 17, 1948. Class 6.

504,198. KNIT GOODS—NAMELY, CAPS FOR MEN, WOMEN, AND CHILDREN. EAGLE KNITTING MILLS, INC., Milwaukee, Wis.
Filed November 26, 1947. Serial No. 542,452. PUBLISHED AUGUST 24, 1948. Class 39.

504,199. KNIT GOODS—NAMELY, CAPS FOR MEN, WOMEN, AND CHILDREN. EAGLE KNITTING MILLS, INC., Milwaukee, Wis.
Filed November 26, 1947. Serial No. 542,453. PUBLISHED AUGUST 24, 1948. Class 39.

504,200. LEATHER, LEATHERETTE, AND KNIT GOODS—NAMELY, CAPS FOR MEN, WOMEN, AND CHILDREN. EAGLE KNITTING MILLS, INC., Milwaukee, Wis.
Filed November 26, 1947. Serial No. 542,454. PUBLISHED AUGUST 24, 1948. Class 39.

504,201. CHILDREN'S COATS. SCHER & FELDMAN, INC., New York, N. Y.
Filed December 1 1947. Serial No. 542,885. PUBLISHED AUGUST 24, 1948. Class 39.

504,202. MEN'S, WOMEN'S AND CHILDREN'S UNDERWEAR, ETC. KRAUSS-FELS-METZGER COMPANY, New York, N. Y.
Filed December 2, 1947. Serial No. 542,955. PUBLISHED AUGUST 10, 1948. Class 39.

504,203. ORGANIC ODORIFEROUS AND FLAVOR-IMPARTING CHEMICALS; ORGANIC CHEMICALS USED IN PERFUMES, COSMETICS, PAINTS, VARNISHES, DRYING INKS, BACTERICIDAL, FUNGICIDAL, INSECTICIDAL AND PRESERVATIVE COMPOSITIONS, ETC. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed September 30, 1947. Serial No. 543,038. PUBLISHED AUGUST 17, 1948. Class 6.

504,204. HOSIERY AND COTTON KNITTED UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. ADES-LEXINGTON DRY GOODS CO., Lexington, Ky.
Filed December 3, 1947. Serial No. 543,047. PUBLISHED AUGUST 10, 1948. Class 39.

504,205. INFANTS' AND CHILDREN'S DRESSES. L. DICK INC., Plainfield, N. J.
Filed December 3, 1947. Serial No. 543,151. PUBLISHED AUGUST 10, 1948. Class 39.

504,206. TENIACIDES. FORT DODGE LABORATORIES, INC., Fort Dodge, Iowa.
Filed December 3, 1947. Serial No. 543,161. PUBLISHED AUGUST 17, 1948. Class 6.

504,207. LADIES' DRESSES. ALBERT RAPPAPORT, doing business as D. R. A. Dress Co., New York, N. Y.
Filed December 4, 1947. Serial No. 543,327. PUBLISHED AUGUST 10, 1948. Class 39.

504,208. FIELD AND GRASS SEEDS. CORNELI SEED COMPANY, doing business as D. I. Bushnell & Co., St. Louis, Mo.
Filed October 13, 1947. Serial No. 543,371. PUBLISHED AUGUST 17, 1948. Class 1.

504,209. LAUNDRY SOUR IN CRYSTAL FORM. HOOD CHEMICAL CO., INC., Pittsburgh, Pa.
Filed December 5, 1947. Serial No. 543,450. PUBLISHED AUGUST 17, 1948. Class 6.

504,210. ALKALI NEUTRALIZER IN THE NATURE OF A LAUNDRY SOUR. HOOD CHEMICAL CO., INC., Pittsburgh, Pa.
Filed December 5, 1947. Serial No. 543,451. PUBLISHED AUGUST 17, 1948. Class 6.

504,211. GIRDLES, CORSETS, AND BRASSIÈRES. CUPID FOUNDATIONS, INC., New York, N. Y.
Filed December 9, 1947. Serial No. 543,794. PUBLISHED AUGUST 10, 1948. Class 39.

504,212. GIRDLES, CORSETS, AND BRASSIÈRES. CUPID FOUNDATIONS, INC., New York, N. Y.
Filed December 9, 1947. Serial No. 543,795. PUBLISHED AUGUST 10, 1948. Class 39.

504,213. GLOVES MADE OF LEATHER, FABRIC, WOOL, AND COMBINATIONS OF THESE MATERIALS. LEWIS & LOCKE, INC., New York, N. Y.
Filed December 10, 1947. Serial No. 543,942. PUBLISHED AUGUST 17, 1948. Class 39.

504,214. GLOVES MADE OF LEATHER, FABRIC, WOOL, AND COMBINATIONS OF THESE MATERIALS. LEWIS & LOCKE, INC., New York, N. Y.
Filed December 10, 1947. Serial No. 543,943. PUBLISHED AUGUST 17, 1948. Class 39.

504,215. LEATHER GLOVES. ACME GLOVE CORPORATION, Gloversville, N. Y.
Filed August 13, 1947. Serial No. 544,630. PUBLISHED AUGUST 10, 1948. Class 39.

504,216. FIELD AND GRASS SEEDS. CORNELI SEED COMPANY, doing business as D. I. Bushnell & Co., St. Louis, Mo.
Filed October 13, 1947. Serial No. 544,647. PUBLISHED AUGUST 17, 1948. Class 1.

504,217. COAL. CHEROKEE COAL COMPANY, Louisville, Ky.
Filed October 14, 1947. Serial No. 544,650. PUBLISHED AUGUST 17, 1948. Class 1.

504,218. CHEMICAL COMPOSITION IN GRANULAR OR TABLET FORM ADAPTED FOR INTERNAL INTRODUCTION INTO PLANTS AND TREES FOR USE IN THE TREATMENT OF DISEASES. SAMUEL W. KENDALL, doing business as The Vitalife Company, Muscle Shoals City, Ala.
Filed December 20, 1947. Serial No. 545,004. PUBLISHED AUGUST 24, 1948. Class 6.

504,219. FOUNDATION GARMENTS, CORSETS BRASSIÈRES, AND COMBINATIONS OF THE SAME. POIRETTE CORSETS, INC., New York, N. Y.
Filed September 8, 1947. Serial No. 546,925. PUBLISHED AUGUST 31, 1948. Class 39.

504,220. PERFUMES, TOILET WATER, COLOGNE, FACE POWDER, LIPSTICK, ROUGE, MASCARA, EYE SHADOW, CREAM FOR FACE AND SKIN, AND TALCUM POWDER. BENARD & HONNORAT, doing business as Molinard, Grasse (Alpes Maritimes), France.
Filed January 30, 1948. Serial No. 548,313. PUBLISHED AUGUST 17, 1948. Class 6.

504,221. DISINFECTANT IN POWDER FORM HAVING INCIDENTAL WATER SOFTENING PROPERTIES. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed February 12, 1948. Serial No. 549,519. PUBLISHED AUGUST 17, 1948. Class 6.

504,222. PERFUMES, EAU DE COLOGNE, BATH ESSENCES AND BATH OILS, BATH SALTS, FACE POWDERS, FACE CREAMS, BODY CREAMS, DEODORANT CREAMS AND LOTIONS, ROUGE, LIPSTICK, BRILLIANTINE, HAIR LOTIONS, MASCARA, AND TOOTHPASTE. WOLFF FRÈRES, INC., New York, N. Y.
Filed February 19, 1948. Serial No. 550,191. PUBLISHED AUGUST 17, 1948. Class 6.

504,223. PERFUMES, EAU DE COLOGNE, BATH ESSENCES AND BATH OILS, BATH SALTS, FACE POWDERS, FACE CREAMS, BODY CREAMS, DEODORANT CREAMS AND LOTIONS, ROUGE, LIPSTICK, BRILLIANTINE, HAIR LOTIONS, MASCARA, AND TOOTHPASTE. WOLFF FRÈRES, INC., New York, N. Y.
Filed February 19, 1948. Serial No. 550,192. PUBLISHED AUGUST 17, 1948. Class 6.

504,224. HAIR SHAMPOOS, HAIR TONICS, HAIR OILS, POMADES, BRILLIANTINE, AND HAIR WAVE LOTION. MAURICE HANDMAN, doing business as Maurella Products Co., New York, N. Y.
Filed February 25, 1948. Serial No. 550,505. PUBLISHED AUGUST 17, 1948. Class 6.

504,225. MEDICINAL PREPARATION IN LIQUID AND TABLET FORM USED FOR INCREASING THE HEMOGLOBIN CONTENT OF THE BLOOD. VAN PELT AND BROWN, INCORPORATED, Richmond, Va.
Filed February 25, 1948. Serial No. 550,568. PUBLISHED AUGUST 17, 1948. Class 6.

504,226. URINARY ANTISEPTIC. VAN PELT AND BROWN, INCORPORATED, Richmond, Va.
Filed February 25, 1948. Serial No. 550,569. PUBLISHED AUGUST 17, 1948. Class 6.

504,227. HAIR LOTION AND A LIQUID MASSAGING PREPARATION. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed March 1, 1948. Serial No. 550,913. PUBLISHED AUGUST 24, 1948. Class 6.

504,228. ANTISEPTIC MOUTH WASH. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed March 1, 1948. Serial No. 550,916. PUBLISHED AUGUST 24, 1948. Class 6.

504,229. LIQUID COUGH PREPARATION. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed March 1, 1948. Serial No. 550,919. PUBLISHED AUGUST 24, 1948. Class 6.

504,230. LIQUID STARCH, LAUNDRY STARCH, PERFUMED STARCH, AND PREPARATION IN CAKE FORM TO BE MIXED WITH STARCH TO GIVE CLOTHES FRESH NEW APPEARANCE. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed March 2, 1948. Serial No. 551,007. PUBLISHED AUGUST 24, 1948. Class 6.

504,231. MEDICINAL PREPARATIONS FOR THE TREATMENT OF HYPERSENSITIVITY. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed March 2, 1948. Serial No. 551,062. PUBLISHED AUGUST 24, 1948. Class 6.

504,232. MEDICINAL PREPARATION FOR USE IN NUTRITIONAL DEFICIENCIES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed March 2, 1948. Serial No. 551,063. PUBLISHED AUGUST 24, 1948. Class 6.

504,233. MEDICINAL PREPARATION FOR USE IN NUTRITIONAL DEFICIENCIES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed March 2, 1948. Serial No. 551,064. PUBLISHED AUGUST 24, 1948. Class 6.

504,234. MEDICINAL PREPARATION FOR USE IN NUTRITIONAL DEFICIENCIES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed March 2, 1948. Serial No. 551,067. PUBLISHED AUGUST 24, 1948. Class 6.

504,235. HAIRDRESSING. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed March 25, 1948. Serial No. 553,015. PUBLISHED AUGUST 24, 1948. Class 6.

Service Marks

504,236. RAILROAD PASSENGER AND FREIGHT TRANSPORTATION SERVICE. THE BALTIMORE & OHIO RAILROAD COMPANY, Baltimore, Md.
Filed September 2, 1947. Serial No. 532,995. PUBLISHED AUGUST 24, 1948. Class 55.

Collective Marks

504,237. SEED BEANS. STOCKTON DISTRICT KIDNEY BEAN GROWERS, INC., Linden, Calif.
Filed November 28, 1947. Serial No. 496,408. PUBLISHED AUGUST 10, 1948. Class 1.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

504,238. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MILLE LACS LAKE SPINNER CO., Isle, Minn. Filed Mar. 25, 1948. Serial No. 500,996.



FOR FISHING TACKLES—NAMELY, ARTIFICIAL FISH LURES.
Claims use since Jan. 1, 1939.

504,239. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BLACKSTAFF LINENS, INC., New York, N. Y. Filed Feb. 14, 1948. Serial No. 506,366.

"Kreesvoid"

FOR LINEN, COTTON, AND RAYON PIECE GOODS, OR ADMIXTURES THEREOF.
Claims use since June 6, 1946.

504,240. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE BIRTCHER CORPORATION, Los Angeles, Calif. Filed Nov. 24, 1947. Serial No. 508,701.

SPOT-QUARTZ

FOR THERAPEUTIC LAMPS.
Claims use since Aug. 8, 1946.

504,241. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) CALIFORNIA HAND PRINTS, INC., Hermosa Beach, Calif. Filed Aug. 13, 1948. Serial No. 510,234.

"Polynesian Hand Prints"

Applicant claims ownership of registrations Nos. 349,429, 415,824, and 416,360.
FOR PLAIN AND PRINTED TEXTILE PIECE GOODS MADE OF COTTON, SYNTHETIC FIBERS OR MIXTURES THEREOF.
Claims use since May 20, 1946.

504,242. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RANSFORD INSECTICIDE CO., Worcester, Mass. Filed Dec. 8, 1947. Serial No. 510,799.

ROACH PROOF

FOR RESIDUAL INSECTICIDE.
Claims use since Sept. 1, 1946.

504,243. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BLACKSTAFF LINENS, INC., New York, N. Y. Filed Feb. 7, 1948. Serial No. 517,179.



FOR LINEN, COTTON, AND RAYON PIECE GOODS OR ADMIXTURES THEREOF.
Claims use since June 6, 1946.

504,244. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE OHIO ADVERTISING DISPLAY COMPANY, Cincinnati, Ohio. Filed Dec. 12, 1947. Serial No. 518,848.

GLO-BORDER

FOR ELECTRICALLY ILLUMINATED ADVERTISING DISPLAY SIGNS.
Claims use since Dec. 15, 1945.

504,245. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE OHIO ADVERTISING COMPANY, Cincinnati, Ohio. Filed Dec. 13, 1947. Serial No. 518,849.

GLO-LITE

FOR ELECTRICALLY ILLUMINATED ADVERTISING DISPLAY SIGNS.
Claims use since Dec. 10, 1946.

504,246. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINERALIZED FOODS, INC., Baltimore, Md. Filed Apr. 13, 1948. Serial No. 521,456.

MIN-RL

FOR CANDY.
Claims use since Apr. 8, 1947.

504,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Feb. 12, 1948. Serial No. 527,383.

Holly Carter

The name "Holly Carter" is not the name of a particular living individual. Applicant claims ownership of registration No. 418,648.
FOR CANDY.
Claims use since Apr. 28, 1944.

504,248. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ANTHONY C. LANGE, Milwaukee, Wis. Filed July 26, 1948. Serial No. 528,935.

Forge Grille

FOR PORTABLE OUTDOOR BARBECUING STAND.
Claims use since June 1, 1947.

504,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CY RAMAGE, doing business as Little Farms, Chula Vista, Calif. Filed June 21, 1948. Serial No. 529,823.

SLICK PICK

FOR FRESH VEGETABLES.
Claims use since June 3, 1947.

504,250. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REPUBLIC FOOD PRODUCTS CO., doing business as Emmart Food Products Co., Chicago, Ill. Filed June 24, 1948. Serial No. 530,766.

ALL BREEDS

Applicant claims ownership of registration No. 323,421.
FOR CANNED FOOD FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS.
Claims use since Feb. 9, 1934.

504,251. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WRIGHT & MCGILL CO., Denver, Colo. Filed Sept. 4, 1948. Serial No. 531,072.



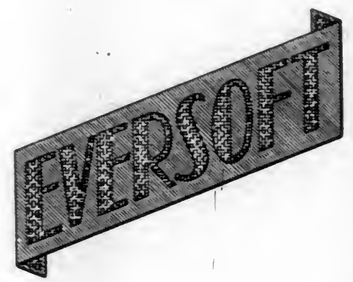
Applicant claims ownership of registration No. 338,629.
FOR FISH HOOKS AND ARTIFICIAL FISH LURES.
Claims use since July 20, 1935.

504,252. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) LINEN GUILD, INC., New York, N. Y. Filed Aug. 5, 1948. Serial No. 533,459.

MEAD
AND
MONTAGUE

FOR BEDSPREADS AND DRAPERY, UPHOLSTERY, AND SLIPCOVER FABRICS MADE OF COTTON, RAYON AND LINEN FABRICS AND SOLD IN THE PIECE.
Claims use since July 13, 1943.

504,253. (CLASS 39. CLOTHING.) MACK P. NIVEN, doing business as Carolina Manufacturing Company, Greenville, S. C. Filed Sept. 1, 1948. Serial No. 533,916.



The drawing is lined for the colors green and yellow.
FOR HANDKERCHIEFS.
Claims use since May 27, 1947.

504,254. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. HICKMOTT, JR., doing business as The Vantage Corporation, West Hartford, Conn. Filed Aug. 25, 1948. Serial No. 547,851.

DRI BATH

Chases Dirt

Applicant claims ownership of registration No. 326,004.

FOR COMBINED CLEANSING POWDER AND INSECTICIDE, FOR DOMESTIC ANIMALS.

Claims use since Mar. 2, 1933.

504,255. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Apr. 29, 1948. Serial No. 555,801.

Applicant claims ownership of registrations Nos 224,182, 231,395, 50,697, and 139,514.

FOR SOAP POWDER COMBINED WITH MINERAL INGREDIENTS.

Claims use since Jan. 1, 1905.

TRADE-MARK REGISTRATIONS RENEWED

21,926. "M. LEPRINCE" ETC. AND DESIGN. Registered Nov. 1, 1892. Maurice Leprince, Bourges, France. Re-renewed Nov. 1, 1942 (as provided by P. L. 517, July 17, 1946), to Societe a Responsibilite Limitee Laboratoires du Docteur Maurice Leprince, Paris, France, a corporation organized under the laws of the Republic of France. PILLS. Class 6.

31,981. CALCIMO. Registered Sept. 20, 1898. The Muralo Company, New York, N. Y. Re-renewed Sept. 20, 1948, to The Muralo Company, Inc., Staten Island, New York, N. Y., a corporation of New York. PAINT OR COATING MATERIAL FOR FINISHING WALLS AND CEILINGS. Class 16.

32,058. MONITOR. Registered Oct. 18, 1898. Eureka Fire Hose Company. Re-renewed Oct. 18, 1948, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. RUBBER-LINED COTTON HOSE. Class 35.

32,059. "TRUMPET" AND REPRESENTATION OF TRUMPET. Registered Oct. 18, 1898. Eureka Fire Hose Company. Re-renewed Oct. 18, 1948, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. RUBBER-LINED COTTON HOSE. Class 35.

32,060. SURPRISE. Registered Oct. 18, 1898. Eureka Fire Hose Company. Re-renewed Oct. 18, 1948, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. RUBBER-LINED COTTON HOSE. Class 35.

32,061. TROJAN. Registered Oct. 18, 1898. Eureka Fire Hose Company. Re-renewed Oct. 18, 1948, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. RUBBER-LINED COTTON HOSE. Class 35.

32,062. "RED BALL" ETC., AND REPRESENTATION OF BALL. Registered Oct. 18, 1898. Eureka Fire Hose Company. Re-renewed Oct. 18, 1948, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. LINEN HOSE. Class 35.

68,186. SUPERBA. Registered Mar. 10, 1908. H. C. Cohn & Co. Re-renewed Mar. 10, 1948, to Superba Cravats, Rochester, N. Y., a co-partnership. NECKTIES. Class 39.

69,043. CROTORITE. Registered May 19, 1908. The Manganese Bronze & Brass Co. Ltd., London, England, a corporation organized under the laws of Great Britain. Re-renewed May 19, 1948. METALLIC ALLOYS. Class 14.

69,044. DAMAXINE. Registered May 19, 1908. The Manganese Bronze & Brass Co. Ltd., London, England, a corporation organized under the laws of Great Britain. Re-renewed May 19, 1948. ANTIFRICTION ALLOYS. Class 14.

69,067. IMMADIUM. Registered May 19, 1908. The Manganese Bronze & Brass Co. Ltd., London, England, a corporation organized under the laws of Great Britain. Re-renewed May 19, 1948. METALLIC ALLOYS. Class 14.

70,157. ABDULLA. Registered Aug. 4, 1908. Abdulla & Company Limited, London, England, a company of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Aug. 4, 1948. TOBACCO, CIGARS AND CIGARETTES. Class 17.

70,662. REPRESENTATION OF KEY. Registered Sept. 22, 1908. O. Mustad & Sön, Christiania, Norway. Re-renewed Sept. 22, 1948, to O. Mustad & Sön, Oslo, Norway, a firm of Norway. HAND-SEWING NEEDLES, TOILET PINS, AND SAFETY PINS. Class 40.

70,704. REPRESENTATION OF KEY. Registered Sept. 29, 1908. O. Mustad & Sön, Christiania, Norway. Re-renewed Sept. 29, 1948, to O. Mustad & Sön, Oslo, Norway, a firm of Norway. FISH-HOOKS. Class 22.

70,758. "GILLETTE" ETC. ENCLOSED BY DIAMOND-SHAPED DESIGN. Registered Sept. 29, 1908. Gillette Safety Razor Co. Re-renewed Sept. 29, 1948, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. SOAP. Class 4.

71,070. AUTO-POSITIVE. Registered Oct. 27, 1908. Penberthy Injector Company. Re-renewed Oct. 27, 1948, to Penberthy Injector Company, Detroit, Mich., a corporation of Delaware. STEAM-BOILER INJECTORS. Class 23.

71,300. OLD COLONY. Registered Nov. 17, 1908. Hood Rubber Company, Boston, Mass. Re-renewed Nov. 17, 1948, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. RUBBER BOOTS AND SHOES. Class 39.

71,467. "EUREKA" ETC. AND REPRESENTATION OF EAGLE AND FIRE HOSE. Registered Nov. 24, 1908. Eureka Fire Hose Manufacturing Company, Jersey City, N. J. Re-renewed Nov. 24, 1948, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. FABRIC HOSE. Class 35.

71,506. "ELKSHU". Registered Dec. 1, 1908. Gutmann & Company, Chicago, Ill., a corporation of Illinois. Re-renewed Dec. 1, 1948. TANNED LEATHER. Class 1.

71,667. "PEERLESS". Registered Dec. 8, 1908. Kingan and Company, Limited, Belfast, Ireland, Indianapolis, Ind., Baltimore, Md., and Richmond, Va. Re-renewed Dec. 8, 1948, to Kingan & Co. Incorporated, Indianapolis, Ind., a corporation of New Jersey. BACON. Class 46.

71,940. PFLUEGER. Registered Dec. 22, 1908. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Re-renewed Dec. 22, 1948. FISH-HOOKS, LEADERS, FLIES, BAITS, SPOONS, SWIVELS, SINKERS, FISH-SCALERS, ETC. Class 22.

72,172. LE PAGE'S. Registered Jan. 5, 1909. Russia Cement Company. Re-renewed Jan. 5, 1949, to Le Pages, Inc., Gloucester, Mass., a corporation of Massachusetts. LIQUID GLUE, MUCILAGE, AND ADHESIVE PASTE. Class 5.

72,243. PFLUEGER. Registered Jan. 12, 1909. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Re-renewed Jan. 12, 1949. PARTS OF HARNESS, VIZ: ROSETTES, ORNAMENTS, BUCKLE-SHIELDS, LOOPS, LETTERS AND FIGURES, ETC. Class 3.

72,392. GLOSSILLA. Registered Jan. 19, 1909. Bernhard Ulmann & Co., New York, N. Y. Re-renewed Jan. 19, 1949, to Bernhard Ulmann Co. Inc., Long Island City, N. Y., a corporation of New York. THREAD, FLOSS, AND ROPE FOR ORNAMENTAL PURPOSES. Class 43.

72,867. PILGRIM. Registered Mar. 2, 1909. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Re-renewed Mar. 2, 1949. SOLID AND PNEUMATIC RUBBER VEHICLE-TIRES. Class 35.

73,108. ACME. Registered Mar. 16, 1909. Krout & Fite Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Mar. 16, 1949. TAPES AND BINDINGS. Class 40.

161,379. DR SCHOLL'S. Registered Nov. 7, 1922. The Scholl Manufacturing Company. Renewed Jan. 5, 1948 (Supplemental Register), to The Scholl Mfg. Co. Inc., Chicago, Ill., a corporation of New York. INSTEP-ARCH SUPPORTS, SURGICAL INSOLES, TOE FLEXERS AND SPREADERS, TOE SEPARATORS, ETC. Class 44.

189,980. MAUBERT. Registered Sept. 30, 1924. Societe Commandite Chome & Cie. Renewed Sept. 30, 1944 (as provided by P. L. 517, July 17, 1946), to Savonnerie Parfumerie Maubert, Societe Anonyme, Lille, France, a corporation organized under the laws of the Republic of France. TOILET SOAPS. Class 4.

190,211. MAUBERT. Registered Oct. 7, 1924. Societe Commandite Chome & Cie. Renewed Oct. 7, 1944 (as provided by P. L. 517, July 17, 1946), to Savonnerie Parfumerie Maubert, Societe Anonyme, Lille, France, a corporation organized under the laws of the Republic of France. PERFUMES, TOILET WATERS, FACE POWDER, ETC. Class 6.

191,089. DR SCHOLL'S. Registered Oct. 28, 1924. Scholl Manufacturing Company, Inc. Renewed Jan. 5, 1948 (Supplemental Register), to The Scholl Mfg. Co. Inc., Chicago, Ill., a corporation of New York. SHOES, LEATHER SHOES, RUBBER SHOES, FABRIC SHOES, AND COMBINATIONS THEREOF, SURGEONS' SHOES. Class 39.

194,537. DR SCHOLL'S. Registered Jan. 27, 1925. Scholl Manufacturing Company, Inc. Renewed Jan. 5, 1948 (Supplemental Register), to The Scholl Mfg. Co. Inc., Chicago, Ill., a corporation of New York. PREPARATION FOR THE TREATMENT OF FOOT TROUBLES. Class 6.

232,160. CANNONETTE. Registered Sept. 6, 1927. Cannon Mills, Inc., New York, N. Y. Renewed Sept. 6, 1947, to Cannon Mills Company, Kannapolis, N. C., a corporation of North Carolina. MEN'S AND WOMEN'S HOSIERY. Class 39.

236,068. CATALINA. Registered Nov. 29, 1927. Pacific Knitting Mills. Renewed Jan. 5, 1948 (Supplemental Register), to Catalina, Inc., Los Angeles, Calif., a corporation of California. BATHING SUITS. Class 39.

239,551. "KILDONAN" ETC. AND DRAWING. Registered Mar. 6, 1928. British Columbia Fishing & Packing Company, Limited. Renewed Mar. 6, 1948, to British Columbia Packers, Limited, Vancouver, British Columbia, Canada, a corporation organized under the laws of the Dominion of Canada. FROZEN FISH. Class 46.

239,759. "WOLF BRAND" AND DESIGN. Registered Mar. 13, 1928. Jacques Wolf & Co., Passaic, N. J. Renewed Mar. 13, 1948, to Jacques Wolf & Co., Clifton, N. J., a corporation of New Jersey. ACETATE OF ALUMINA, CITRATE OF ALUMINA, ACETATE OF BARIUM, ACETATE OF CHROME, ETC. Classes 1, 5, 6, and 46.

243,111. REPRESENTATION OF NEW ENGLAND MAID. Registered June 12, 1928. Eastern Connecticut Poultry Producers, Inc., Willimantic, Conn. Renewed June 12, 1948, to Eastern Connecticut Poultry Producers, Inc., Providence, R. I., a corporation of Connecticut. EGGS. Class 46.

243,144. FLOLIGHT. Registered June 12, 1928. Frank E. Hutchison, doing business as Hutchison Engineering Works, Chicago, Ill. Renewed June 12, 1948, to Frank E. Hutchison, doing business as Hutchison Engineering Works, Houston, Tex. UNITARY ELECTRIC-LIGHTING PLANTS, ELECTRIC FLOOD LIGHTS, AND ELECTRIC LANTERNS. Class 21.

243,312. "GATOR" ETC. AND REPRESENTATION OF ALLIGATOR. Registered June 19, 1928. De Soto Chemical Co., Inc., Arcadia, Fla., a corporation of Florida. Renewed June 19, 1948. ROACH, ANT, RAT, AND MOUSE EXTERMINATOR. Class 6.

244,079. SANI-TAB. Registered July 10, 1928. Davol Rubber Company, Providence, R. I., a corporation of Rhode Island. Renewed July 10, 1948. NURSING-BOTTLE NIPPLES OR CAPS MADE OF RUBBER. Class 44.

245,222. CALVEG. Registered Aug. 7, 1928. California Vegetable Products Co., Los Angeles, Calif. Renewed Aug. 7, 1948, to Sokol & Company, Chicago, Ill., a corporation of Illinois. DEHYDRATED VEGETABLES, IN BOTH POWDERED AND SOLID FORM. Class 46.

246,567. FLYCRAFT. Registered Sept. 11, 1928. Henry Milward & Sons Limited, Redditch, England. Renewed Sept. 11, 1948, to Needle Industries Limited, Birmingham and Studley, Redditch, England, a corporation organized under the laws of Great Britain. FISHING TACKLE—NAMELY, FISHING LINES, ARTIFICIAL FLIES, ARTIFICIAL BAITS, INCLUDING SPOONS AND SPINNERS, ETC. Class 22.

246,568. HEXACANE. Registered Sept. 11, 1928. Henry Milward & Sons Limited, Redditch, England. Renewed Sept. 11, 1948, to Needle Industries Limited, Birmingham, and Studley, Redditch, England, a corporation organized under the laws of Great Britain. FISHING TACKLE—NAMELY, FISHING RODS, ARTIFICIAL FLIES, ARTIFICIAL BAITS INCLUDING SPOONS, ETC. Class 22.

247,021. H-O. Registered Sept. 18, 1928. Annabell H. Beggs, doing business as H-O Chemical Company. Renewed Sept. 18, 1948, to William S. Beggs, Denver, Colo. CLEANING FLUID FOR CLEANING GLOVES, LACES, VELVETS, CHIFFONS, SILKS, CARPETS, CANVAS, SUÈDE, BUCKSKIN AND KID GLOVES. Class 4.

247,220. SANETTE. Registered Sept. 25, 1928. Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York. Renewed Sept. 25, 1948. SINK STRAINERS. Class 13.

247,554. AKRO LITH. Registered Oct. 2, 1928. The Akro Agate Company, Clarksburg, W. V., a corporation of Ohio. Renewed Oct. 2, 1948. GLASS BALLS FOR GRAINING AND POLISHING PLATES AND THE LIKE. Class 4.

247,777. LEADER. Registered Oct. 2, 1928. The Lester and Wasley Co., Inc., Norwich, Conn., a corporation of Connecticut. Renewed Oct. 2, 1948. DECKLING AND BEVELING MACHINES, PAPER-DRINKING-CUP-MAKING MACHINES, AND ADHESIVE-APPLYING MACHINES. Class 23.

247,878. "UNIT-LOAD" AND REPRESENTATION OF FREIGHT CAR. Registered Oct. 9, 1928. Acme Steel Company, Chicago, Ill., a corporation of Illinois. Renewed Oct. 9, 1948. BANDS, STAYS, OPEN SEALS, AND SEALS USED IN REINFORCING BOXES AND PACKAGES AND IN THE PRACTICE OF LOADING FREIGHT CARS AND OTHER CARRIERS. Class 13.

248,035. LEXIDE. Registered Oct. 16, 1928. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Renewed Oct. 16, 1948. SHEET MATERIAL MADE OF FIBRE AND RUBBER FOR MANUFACTURE DIRECTLY OR WITH FURTHER TREATMENT INTO A WIDE VARIETY OF ARTICLES. Class 50.

248,225. ANDRÉ PERUGIA. Registered Oct. 16, 1928. André Perugia, Paris, France. Renewed Oct. 16, 1948. BOOTS AND SHOES. Class 39.

248,760. GAGE-MATIC. Registered Oct. 30, 1928. The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts. Renewed Oct. 30, 1948. PRECISION GRINDING MACHINES USED FOR THE PRODUCTION OF METAL ARTICLES. Class 23.

248,774. ELECTROLUX. Registered Oct. 30, 1928. Electrolux Servel Corporation. Renewed Oct. 30, 1948, to Servel, Inc., New York, N. Y., a corporation of Delaware. REFRIGERATORS, REFRIGERATOR PARTS, AUTOMATIC REFRIGERATORS, AUTOMATIC REFRIGERATING PARTS, AND REFRIGERATING SYSTEMS. Class 31.

248,950. "WINNER" AND DESIGN. Registered Nov. 6, 1928. Berne Mfg. Co. Renewed Nov. 6, 1948, to Winner, Inc., Berne, Ind., a corporation of Indiana. MEN'S WORK CLOTHING—NAMELY, OVERALLS, COMBINED SUITS, PANTS, SHIRTS; CHILDREN'S SUITS, SWEATERS; COATS, SHEEP-LINED, LEATHER, OR RUBBER, ETC. Class 39.

249,040. "ARROW" ETC. AND DESIGN. Registered Nov. 6, 1928. Ansco Photoproducts, Inc., Binghamton, N. Y., assignor to Agfa Ansco Corporation. Renewed Nov. 6, 1948, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. PHOTOGRAPHIC CAMERAS. Class 26.

249,170. ANSCOMATIC. Registered Nov. 6, 1928. Ansco Photoproducts, Inc., Binghamton, N. Y., assignor to Agfa Ansco Corporation. Renewed Nov. 6, 1948, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. PHOTOGRAPHIC CAMERAS. Class 26.

249,410. RAINTOG. Registered Nov. 13, 1928. Hood Rubber Company, Watertown, Mass. Renewed Nov. 13, 1948, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, RUBBER-SOLED CANVAS SHOES. Class 39.

249,472. "CRAFTSMAN" ETC. AND DESIGN. Registered Nov. 13, 1928. Ansco Photoproducts, Inc., Binghamton, N. Y., assignor to Agfa Ansco Corporation. Renewed Nov. 13, 1948, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. PHOTOGRAPH CAMERAS. Class 26.

249,519. DIVINITY NUGGETS. Registered Nov. 13, 1928. Golden Nugget Sweets. Renewed Nov. 13, 1948, to Golden Nugget Sweets Ltd., San Francisco, Calif., a limited partnership. FUDGE AND NOUGAT. Class 46.

249,729. FLEXOVER. Registered Nov. 20, 1928. Hood Rubber Company, Watertown, Mass. Renewed Nov. 20, 1948, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, RUBBER-SOLED CANVAS SHOES. Class 39.

249,958. PACO. Registered Nov. 27, 1928. Page Milk Co. Renewed Nov. 27, 1948, to The Page Milk Co., Merrill, Wis., a corporation of Delaware. CANNED EVAPORATED MILK. Class 46.

250,005. MUSKILL. Registered Nov. 27, 1928. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Nov. 27, 1948. ARTIFICIAL BAIT. Class 22.

250,006. FLILITE. Registered Nov. 27, 1928. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Nov. 27, 1948. ARTIFICIAL BAIT. Class 22.

250,007. "DIAMOLITE". Registered Nov. 27, 1928. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Nov. 27, 1948. FISHING-REEL PARTS. Class 22.

250,018. "DEARCO" AND DESIGN. Registered Nov. 27, 1928. Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois. Renewed Nov. 27, 1948. MOTOR-LUBRICATING OILS. Class 15.

250,088. LITTLE ORPHAN ANNIE. Registered Nov. 27, 1928. Tribune Company, Chicago, Ill., a corporation of Illinois. Renewed Nov. 27, 1948. SERIES OF CARTOONS. Class 38.

251,242. FOOT PALS. Registered Jan. 1, 1929. Wall-Streeter Shoe Co., North Adams, Mass., a corporation of Massachusetts. Renewed Jan. 1, 1949. MEN'S, WOMEN'S, MISSES', AND CHILDREN'S SHOES OF LEATHER, LEATHER AND FABRIC, RUBBER, RUBBER AND FABRIC, AND COMBINATIONS OF ANY OF THESE. Class 39.

252,210. GRIZZLY GIANT. Registered Jan. 29, 1929. San Dimas Orange Growers Association, San Dimas, Calif., a corporation of California. Renewed Jan. 29, 1949. FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Class 46.

252,292. SUN SOX. Registered Jan. 29, 1929. Bear Brand Hosiery Co., Chicago, Ill., a corporation of Illinois. Renewed Jan. 29, 1949. HOSIERY. Class 39.

252,293. BABY BEAR. Registered Jan. 29, 1929. Bear Brand Hosiery Co., Chicago, Ill., a corporation of Illinois. Renewed Jan. 29, 1949. HOSIERY. Class 39.

252,350. "SEVEN UP". Registered Feb. 5, 1929. The Howdy Company, Renewed Feb. 5, 1949, to The Seven Up Company, St. Louis, Mo., a corporation of Missouri. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS AND FLAVORS USED IN MAKING THE SAME. Class 45.

252,434. HERCULES. Registered Feb. 5, 1929. Bonney Forge & Tool Works, Allentown, Pa., a corporation of Pennsylvania. Renewed Feb. 5, 1949. WRENCHES, SOCKET WRENCHES, WHETHER DETACHABLE OR SOLID SOCKETS, MALE OR FEMALE, ETC. Class 23.

252,479. BOYEMACO. Registered Feb. 5, 1929. James H. Boye Manufacturing Co., Chicago, Ill., a corporation of Illinois. Renewed Feb. 5, 1949. GOLF CLUBS. Class 22.

252,750. "KALAK" AND CHECKERED BACKGROUND DESIGN. Registered Feb. 12, 1929. Kalak Water Co., of New York, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 12, 1949. ARTIFICIALLY-PREPARED ALKALINE WATER FOR NEUTRALIZING THE ACIDITY OF THE URINE. Class 6.

252,941. "KLOVER KROP" AND DRAWING. Registered Feb. 19, 1929. The Woodville Lime Products Company, Toledo, Ohio, a corporation of Ohio. Renewed Feb. 19, 1949. LIME FOR AGRICULTURAL USE. Class 10.

253,125. "SHUR-FYRE" AND BACKGROUND DESIGN. Registered Feb. 19, 1929. Peoples Drug Stores, Inc., also doing business as Shur-Fyre Products Company, Washington, D. C., a corporation of Maryland. Renewed Feb. 19, 1949. SPIRITS FOR FILLING POCKET CIGARETTE AND CIGAR LIGHTERS. Class 6.

253,326. CAMEO. Registered Feb. 26, 1929. The Springfield Leather Products Company, Springfield, Ohio, a corporation of Ohio. Renewed Feb. 26, 1949. POCKET LETTER CASES, CARD CASES, PASS CASES, LEATHER TOILET CASES, PURSES, LEATHER KEY HOLDERS, BILL FOLDS, HAND BAGS. Class 3.

253,507. MASCARADE. Registered Feb. 26, 1929. L. T. Piver, Inc., Wilmington, Del. and New York, N. Y. Renewed Feb. 26, 1949, to L. T. Piver, Inc., New York, N. Y., a corporation of Delaware. PERFUME EXTRACTS. Class 6.

253,667. "KAHN" ETC. AND DESIGN. Registered Mar. 5, 1929. Kahn Tailoring Company, Indianapolis, Ind., a corporation of Indiana. Renewed Mar. 5, 1949. MEN'S OUTER WEARING APPAREL—NAMELY, COATS, VESTS, TROUSERS, SUITS, OVERCOATS, AND TOPCOATS. Class 39.

253,714. POETIQUE HEEL. Registered Mar. 5, 1929. Holeproof Hosiery Co., Milwaukee, Wis., a corporation of Wisconsin. Renewed Mar. 5, 1949. HOSIERY. Class 39.

253,782. BOYS CLUB. Registered Mar. 5, 1929. Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York. Renewed Mar. 5, 1949. LEATHER SHOES. Class 39.

254,199. "HAIRTREV" AND DRAWING. Registered Mar. 12, 1929. Jacob Biondi, Baltimore, Md. Renewed Mar. 12, 1949, to Jacob Biondi, Arlington, Baltimore, Md. PREPARATION FOR GROWING HAIR. Class 6.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

129,333. KYANIZE. Registered Feb. 17, 1920. Boston Varnish Co., Everett, Mass. PAINTS AND ENAMELS FOR WOOD, METAL, AND THE LIKE. Class 16. Corrected as follows: In the certificate, line 4, and in the statement, line 4, "Maine" should be *Massachusetts*.

366,687. NOK-R-UST. Registered Apr. 25, 1939. The Shaler Company, Waupun, Wis. PENETRATING OILS. Class 15. Corrected as follows: In the certificate, line 4, and in the statement, lines 2 and 3, "Wisconsin" should be *Delaware*.

440,801. FEDERAL. Registered Sept. 28, 1948. Federal Manufacturing and Engineering Corp., Brooklyn, N. Y. PHOTOGRAPHIC EQUIPMENT AND OPTICAL EQUIPMENT, ETC. Class 26. Corrected as follows: In the statement, lines 25 and 26, "on electronic test equipment since on or about April, 1945;" should be deleted.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

32,134. KODOL. Registered Nov. 8, 1898. E. C. De Witt & Company. A PREPARATION FOR ALLEVIATING DISCOMFORTS OF EXCESS STOMACH ACIDITY, ETC. Class 6. New certificate under section 7(c) issued Nov. 23, 1948, to E. C. De Witt & Co., Inc., Chicago, Ill., a corporation of New York.

97,621. DOLLY MADISON AND DESIGN. Registered June 16, 1914. Peter Kern Company, Inc. FRUIT CAKES. Class 46. New certificate under section 7(c) issued Nov. 23, 1948, to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 290,665. Registered Jan. 12, 1932. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CALOPONE

FOR FINELY GROUND GYPSUM USED AS PAPER FILLER, PAINT FILLER, RUBBER FILLER, AND TEXTILE FILLER.
Claims use since May 4, 1931.

Reg. No. 291,874. Registered Feb. 23, 1932. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



PURITAN

FOR FINELY GROUND GYPSUM USED AS PAPER FILLER, PAINT FILLER, RUBBER FILLER, AND TEXTILE FILLER.
Claims use since May 26, 1931.

Reg. No. 300,788. Registered Feb. 7, 1933. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

SPONGEX

FOR SPONGE RUBBER, MEDICAL SPONGE RUBBER, AND RUBBER SPONGES.
Claims use since on or about Feb. 11, 1932.

Reg. No. 377,315. Registered Apr. 30, 1940. BEE TREE VERMICULITE MINES, Asheville, N. C. Republished by Bee Tree Vermiculite Mines, Inc., Tigerville, S. C., a corporation of South Carolina.

BEE TREE

FOR CRUDE AND EXFOLIATED VERMICULITE.
Claims use since Mar. 6, 1936.

Reg. No. 387,530. Registered May 20, 1941. GENERAL LATEX AND CHEMICAL CORPORATION, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

FRIOTEX

FOR RUBBER LATEX IN NATURAL, DILUTE, OR CONCENTRATED FORM.
Claims use since Dec. 9, 1940.

Reg. No. 410,187. Registered Nov. 14, 1944. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

Texfoam

FOR MATERIAL USED AS CUSHIONING SUPPORTS AND FILLERS IN UPHOLSTERED FURNITURE.
Claims use since Oct. 26, 1943.

Reg. No. 414,716. Registered June 26, 1945. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

Texfoam

FOR COMPRESSIBLE, RESILIENT, FILAMENTARY MATERIAL IN SHEET OR BLOCK FORM FOR USE IN THE MANUFACTURE OF VARIOUS ARTICLES OF MERCHANDISE.
Claims use since Oct. 26, 1943.

Reg. No. 424,021. Registered Sept. 17, 1946. THE SPONGE RUBBER PRODUCTS COMPANY, Shelton, Conn., a corporation of Connecticut. Republished by registrant.

Texlock

FOR MATERIAL USED AS CUSHIONING SUPPORTS AND FILLERS IN UPHOLSTERED FURNITURE.
Claims use since Sept. 21, 1945.

Reg. No. 429,795. Registered May 20, 1947. THE SPONGE RUBBER PRODUCTS COMPANY, Shelton, Conn., a corporation of Connecticut. Republished by registrant.

Texfoam

FOR SPONGE RUBBER.
Claims use since June 18, 1945.

CLASS 2

RECEPTACLES

Reg. No. 300,771. Registered Feb. 7, 1933. CRESCENT BOX CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



The lining is for shading only.
FOR CORRUGATED FIBREBOARD BOXES AND PAPER BOXES.
Claims use since about 1913.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 227,865. Registered May 17, 1927. SAMUEL WARD MANUFACTURING CO., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

Write A Line

FOR PORTFOLIOS.
Claims use since May 1925.

Reg. No. 353,830. Registered Jan. 18, 1938. JULIUS RESNICK, INC., New York, N. Y., a corporation of New York. Republished by registrant.

STARLET

FOR LADIES' AND CHILDREN'S HANDBAGS AND POCKETBOOKS.
Claims use since Aug. 5, 1937.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 110,051. Registered May 2, 1916. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.



FOR SOAP.
Claims use since March 1908.

Reg. No. 145,133. Registered July 26, 1921. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.



The words "Washing Machine Soap" are disclaimed apart from the mark as shown.
FOR SOAPS.
Claims use since Oct. 1, 1919.

Reg. No. 151,852. Registered Feb. 14, 1922. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.



FOR TOILET SOAP.
Claims use since 1899.

Reg. No. 152,864. Registered Mar. 7, 1922. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.



FOR WASHING MACHINE SOAP.
Claims use since Jan. 31, 1920.

Reg. No. 207,464. Registered Jan. 5, 1926. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Repnblished by registrant.



MISSION BELL

FOR SOAP.
Claims use since Mar. 5, 1924.

Reg. No. 215,652. Registered July 20, 1926. WESTERN CHEMICAL COMPANY, St. Joseph, Mo., a co-partnership. Republished by registrant.



FOR LIQUID CLEANER FOR WOODWORK, LINOLEUM, TILE, MARBLE, AND TERRAZZO SURFACES AND FURNITURE.
Claims use since Feb. 1, 1925.

Reg. No. 237,811. Registered Jan. 17, 1928. J. E. RHOADS & SONS, Philadelphia, Pa., a firm. Republished by registrant.



The word "Tannate" is disclaimed apart from the mark as shown.
FOR BELT PRESERVER AND DRESSING AND LIQUID BELT PRESERVER.
Claims use since July 31, 1926.

Reg. No. 344,258. Registered Mar. 16, 1937. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

COSMIC RAY

FOR TOILET SOAP.
Claims use since Oct. 12, 1936.

Reg. No. 370,265. Registered Aug. 22, 1939. SAFEWAY STORES, INC., doing business as Home Needs Co., Vernon and Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.



The words "Perfect for Every Household Use" are disclaimed apart from the mark as shown.
FOR GRANULATED SOAP.
Claims use since Jan. 12, 1938.

Reg. No. 385,042. Registered Feb. 11, 1941. CIRCO PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DEE-SOLV

FOR SOLVENTS FOR CLEANING AND DEGREASING AUTOMOBILE AND MACHINERY PARTS.
Claims use since Oct. 3, 1937.

CLASS 5

ADHESIVES

Reg. No. 197,748. Registered Apr. 21, 1925. PENN PASTE MILLING COMPANY, Wilkes-Barre, Pa. Republished by Miner-Hillard Milling Company, Wilkes-Barre, Pa., a corporation of Pennsylvania.

JIFFY DRY PASTE

The words "Dry" and "Paste" are disclaimed apart from the mark as shown.
FOR DRY PASTES.
Claims use since July 1, 1920.

Reg. No. 291,283. Registered Feb. 9, 1932. MINER-HILLARD MILLING COMPANY, Wilkes-Barre, Pa., a corporation of Pennsylvania. Republished by registrant.

Blue Ribbon

FOR DRY PAPER HANGER'S PASTE AND PAPER HANGER'S WALL SIZE.
Claims use since July 31, 1931.

Reg. No. 404,867. Registered Dec. 28, 1943. EDMOND C. MATIGNON, doing business as Golden Gate Manufacturing Company, Oakland, Calif. Republished by registrant.

PLASTITE

FOR PREPARED ADHESIVE CLAY COMPOSITION HAVING THE PROPERTY OF FIRMLY ADHERING TO ANY SURFACE, UNDER WATER OR IN THE AIR, AND NOT BEING SOLUBLE IN WATER, USED FOR SUPPORTING OR ATTACHING FLOWER HOLDERS, FIGURINES, BRIC-A-BRAC, AND OTHER SMALL OBJECTS.
Claims use since Feb. 25, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 123,946. Registered Dec. 24, 1918. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

NATIONAL

FOR COAL-TAR DYESTUFFS.
Claims use since Nov. 27, 1905.

Reg. No. 136,548. Registered Nov. 2, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

JONQUILINE

FOR FOOD-COLORS.
Claims use since Dec. 8, 1919.

Reg. No. 138,491. Registered Dec. 28, 1920. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

CELETINE

FOR FOOD-COLORS.
Claims use since Feb. 20, 1920.

Reg. No. 139,008. Registered Jan. 18, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

MONGOLA

FOR FOOD-COLORS.
Claims use since Apr. 7, 1920.

Reg. No. 139,009. Registered Jan. 18, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

SULTA

FOR FOOD-COLORS.
Claims use since Apr. 7, 1920.

Reg. No. 139,010. Registered Jan. 18, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

SITRO

FOR FOOD-COLORS.
Claims use since Apr. 7, 1920.

Reg. No. 139,011. Registered Jan. 18, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

KERINE

FOR FOOD-COLORS.
Claims use since Apr. 7, 1920.

Reg. No. 139,012. Registered Jan. 18, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

PLUMNA

FOR FOOD-COLORS.
Claims use since Apr. 7, 1920.

Reg. No. 139,013. Registered Jan. 18, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

BENGA

FOR FOOD-COLORS.
Claims use since Apr. 7, 1920.

Reg. No. 143,107. Registered May 24, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

VINTA

FOR FOOD-COLORS.
Claims use since June 23, 1920.

Reg. No. 144,877. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

ROSEA

FOR DYESTUFFS—NAMELY, CERTIFIED FOOD-COLORS.
Claims use since Oct. 5, 1920.

Reg. No. 145,985. Registered Aug. 23, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.



FOR DYESTUFFS, INTERMEDIATES, AND CERTIFIED FOOD-COLORS.
Claims use since June 25, 1920.

Reg. No. 150,489. Registered Jan. 3, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.



The words "Colors" and "New York" are disclaimed apart from the mark as shown.
FOR DYESTUFFS, CERTIFIED FOOD COLORS, AND INTERMEDIATES.
Claims use since May 7, 1920.

Reg. No. 151,553. Registered Feb. 7, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

ALIZAROL

FOR DYES, DYESTUFFS, AND COLORS.
Claims use since Apr. 29, 1909.

Reg. No. 151,556. Registered Feb. 7, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

DUROL

FOR DYES, DYESTUFFS, AND COLORS.
Claims use since Nov. 17, 1917.

Reg. No. 151,557. Registered Feb. 7, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

CARBANTHRENE

FOR DYES, DYESTUFFS, AND COLORS.
Claims use since Oct. 23, 1918.

Reg. No. 151,558. Registered Feb. 7, 1922. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

ALPHAZURINE

FOR DYES, DYESTUFFS, AND COLORS.
Claims use since Apr. 25, 1919.

Reg. No. 158,184. Registered Aug. 29, 1922. THE BIRD-ARCHER COMPANY, New York, N. Y., a corporation of New York, N. Y. Republished by registrant.

BACO

FOR BOILER CHEMICALS—TO WIT, POLARIZED, SOLID, ANTIFOAMING, ANTILEAK, FOR LOCOMOTIVE AND STATIONARY BOILERS, AND EXTRACT FORM AND LIQUID FORM FOR MARINE BOILERS.
Claims use since Sept. 1, 1919.

Reg. No. 225,383. Registered Mar. 15, 1927. THE NORTH AMERICAN FIBRE PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

MOGUL

FOR LIQUID COMPOUND FOR SCALE PREVENTING AND REMOVING FROM BOILERS.
Claims use since about July 1920.

Reg. No. 230,629. Registered Aug. 2, 1927. ANTONINO R. MARTINO, doing business as Italy Laboratories, New York, N. Y. Republished by Italy Laboratories, Inc., New York, N. Y., a corporation of New York.

SANA-ROID

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF HEMORRHOIDS AND PILES.
Claims use since Apr. 9, 1927.

Reg. No. 231,608. Registered Aug. 23, 1927. WESTERN CHEMICAL COMPANY, St. Joseph, Mo., a co-partnership. Republished by registrant.

Fly-Nip

FOR LIQUID INSECTICIDE SPRAY.
Claims use since May 18, 1925.

Reg. No. 241,356. Registered Apr. 24, 1928. WESTERN CHEMICAL COMPANY, St. Joseph, Mo., a co-partnership. Republished by registrant.

HY-POWER

FOR DEODORANTS.
Claims use since Jan. 1, 1924.

Reg. No. 287,316. Registered Sept. 22, 1931. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

NACELAN

FOR DYES, DYESTUFFS, AND DYE COLORS.
Claims use since Mar. 13, 1931.

Reg. No. 305,546. Registered Aug. 22, 1933. JOHN H. WOODBURY, INC., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

Woodbury's

FOR TOILET PREPARATIONS—NAMELY, FACIAL CREAM, FACIAL POWDER, CLEANSING CREAM, COLD CREAM, TISSUE CREAM, ALMOND-ROSE CREAM, FACIAL FRESHENER, BLACKHEAD LOTION, SKIN TONIC AND ASTRINGENT, LILAC VEGETAL, LARGE PORE LOTION, WAVE SETTING LOTION, BRILLIANTINE, HAIR GLOSS, AFTER SHAVING LOTION, SKIN BALM, AND LIP-STICKS.
Claims use since Jan. 1, 1891.

Reg. No. 341,946. Registered Dec. 29, 1936. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

Cosray

FOR CLEANSING CREAM, TISSUE CREAM, FACE LOTION, HAND LOTION, AFTER SHAVING LOTION, VANISHING CREAM, MUSCLE OIL, NAIL POLISH, TOOTH PASTE, AND LINIMENT FOR EXTERNAL USE.
Claims use since Sept. 27, 1935.

Reg. No. 359,706. Registered Aug. 30, 1938. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Mallinckrodt

FOR ACETALDEHYDE, ACETANILID, ACETIC ANHYDRIDE, AND ALL THE OTHER ITEMS NAMED IN THE ORIGINAL REGISTRATION.
Claims use since about 1892.

Reg. No. 372,191. Registered Oct. 24, 1939. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

FIBROLAN

FOR DYESTUFFS.
Claims use since Apr. 12, 1939.

Reg. No. 372,902. Registered Nov. 21, 1939. THE HENKEL-CLAUSS COMPANY, Fremont, Ohio, a corporation of Ohio. Republished by registrant.

ACCENT

FOR NAIL POLISH, NAIL POLISH REMOVER, AND CUTICLE REMOVER.
Claims use since May 8, 1936.

Reg. No. 373,086. Registered Nov. 21, 1939. TENNESSEE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y., and Atlanta, Ga.

Ferri-Floc

FOR PREPARATION FOR TREATMENT OF SEWERAGE AND SEWERAGE SLUDGES, AND FOR TREATMENT OF WASTES FOR TEXTILE MILLS, PAPER MILLS ELIMINATION OF ORGANIC MATTER, AND FOR THE TREATMENT OF DRAINING WATER SUPPLIES.
Claims use since May 1, 1939.

Reg. No. 387,020. Registered Apr. 29, 1941. PETER GORSE, South Heights, Pa. Republished by registrant.

GORSE'S



The portrait is that of the applicant.
FOR HAIR AND SCALP TONIC.
Claims use since July 1, 1940.

Reg. No. 389,011. Registered July 22, 1941. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

CHROMOLAN

FOR DYES, DYESTUFFS, AND COLOR IN THE NATURE OF TEXTILE DYES.
Claims use since Dec. 16, 1940.

Reg. No. 389,760. Registered Aug. 19, 1941. A. H. ZASTROW, Grants Pass, Oreg. Republished by registrant.

SCALPREP

FOR LIQUID PREPARATION FOR DANDRUFF SCALP SCALE AND ITCHY SCALP.
Claims use since Mar. 11, 1941.

Reg. No. 419,737. Registered Mar. 5, 1946. MARBLEHEAD LIME COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

UNIVERSITY

FOR MINERAL SUPPLEMENT FOR LIVE STOCK AND POULTRY FEED.
Claims use since Mar. 29, 1945.

Reg. No. 419,754. Registered Mar. 5, 1946. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

IOSOL

FOR DYESTUFFS FOR USE INDUSTRIALLY FOR COLORING GASOLINE, OILS, SOLVENTS, LACQUERS, AND NATURAL AND SYNTHETIC RESINS.
Claims use since Apr. 10, 1945.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 394,727. Registered Apr. 28, 1942. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

FOR SMOKING STANDS, ASH RECEIVERS, SMOKERS' SETS, CIGARETTE SERVERS, ASH TRAYS, CIGARETTE BOXES, AND HUMIDORS.
Claims use since Sept. 20, 1933.

CLASS 10

FERTILIZERS

Reg. No. 349,384. Registered Aug. 24, 1937. RELIANCE FERTILIZER COMPANY, Savannah, Ga. Republished by The Reliance Fertilizer Company, Savannah, Ga., a corporation of Georgia.

USE RELIANCE BRANDS

The words "Use" and "Brands" are disclaimed apart from the mark as shown.
FOR FERTILIZER.
Claims use since 1910.

Reg. No. 377,688. Registered May 14, 1940. TENNESSEE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y., and Atlanta, Ga.

TC

FOR FERTILIZERS OF VARIOUS MIXTURES.
Claims use since January 1933.

Reg. No. 405,145. Registered Jan. 11, 1944. TENNESSEE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y., and Atlanta, Ga.

ES-MIN-EL

FOR MIXTURE OF MINERAL ELEMENTS CONSISTING OF SOLUBLE MINERAL SALTS WHICH CONTAIN COPPER, MANGANESE, ZINC, IRON, AND BORON, USED AS A SOIL FERTILIZER.
Claims use since Mar. 15, 1940.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 206,919. Registered Dec. 15, 1925. PHILLIPS RIBBON & CARBON CO., INC., Rochester, N. Y., a corporation of New York. Republished by registrant.

PHILCO

FOR CARBON PAPER AND TYPEWRITER RIBBON.
Claims use since March 1916.

Reg. No. 206,920. Registered Dec. 15, 1925. PHILLIPS RIBBON & CARBON CO., INC., Rochester, N. Y., a corporation of New York. Republished by registrant.

Type-Art

FOR CARBON PAPER AND TYPEWRITER RIBBON.
Claims use since January 1925.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 160,704. Registered Oct. 24, 1922. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CHALLENGE

FOR CALCINED GYPSUM, PLASTER OF PARIS, WALL PLASTER AND GAUGING PLASTER.
Claims use since 1887.

Reg. No. 160,710. Registered Oct. 24, 1922. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

IVORY

FOR WALL PLASTER AND CALCINED GYPSUM.
Claims use since 1887.

Reg. No. 160,711. Registered Oct. 24, 1922. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

IMPERIAL

FOR CALCINED GYPSUM, WALL PLASTER, AND FINISHING PLASTER.
Claims use since 1890.

Reg. No. 230,398. Registered July 19, 1927. THE ALLIANCE CLAY PRODUCT CO., Alliance, Ohio, a corporation of Ohio. Republished by registrant.

ALLIANCE

FOR FACE BRICK, COMMON BRICK, AND FIREPROOFING TILE.
Claims use since 1922.

Reg. No. 231,618. Registered Aug. 23, 1927. ASH GROVE LIME & PORTLAND CEMENT CO., Kansas City, Mo., a corporation of Maine. Republished by registrant.

QUIKARD

FOR HYDRAULIC CEMENT.
Claims use since Feb. 21, 1927.

Reg. No. 273,568. Registered Aug. 5, 1930. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

HYDROCAL

FOR CALCINED GYPSUM.
Claims use since January 1930.

Reg. No. 293,021. Registered Apr. 5, 1932. NORTH AMERICAN PAINT & CHEMICAL CO. LTD., Los Angeles, Calif. Republished by Old Colony Paint & Chemical Co., Los Angeles, Calif., a corporation of Nevada.

OLD COLONY

FOR READY-MIXED COLD WATER AND PASTE PAINTS, DRY PAINT COLORS, PAINT THINNERS, WHITE LEAD, ZINC OXIDE PAINT PIGMENTS, PREPARED SHELLAC READY FOR USE, PAINT ENAMELS, LACQUERS, LACQUER THINNERS, FLOOR WAX, PUTTY, VARNISH, LINSEED OIL, TURPENTINE, CALCIMINE OIL AND JAPAN COLORS, OIL STAINS, CEMENT STAINS, WOOD FILLERS.
Claims use since Mar. 3, 1928.

Reg. No. 347,741. Registered July 6, 1937. SHEET METAL MANUFACTURING COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

METCO

FOR LEADERS, GUTTERS, ELBOWS FOR EAVES, TROUGH LEADERS, STRAPS, MITRES, HANGERS, CUT-OFFS, OUTLETS, END CAPS, LEADER HEADS, CHIMNEY BASES, ROOF CEMENT, CORNER BEAD AND EDGING.
Claims use since Feb. 1, 1927.

Reg. No. 356,438. Registered Apr. 26, 1938. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

CELL-TITE

FOR STRUCTURAL MATERIAL OF RUBBER COMPOSITION USED FOR VIBRATION ABSORPTION, AND FOR HEAT AND SOUND INSULATION, AND IN JACKETS AND COVERINGS FOR CONDUITS, AND VALVES, AND IN CLOSURE SEALING GASKETS AND DOOR BUMPERS.
Claims use since Nov. 10, 1937.

Reg. No. 357,290. Registered May 31, 1938. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

CELL-TITE

FOR FLOOR RUGS OF RUBBER COMPOSITION AND DRAPABLE SHEET COVERINGS FOR PORTABLE USE AS HEAT INSULATION MADE OF RUBBER COMPOSITION.
Claims use since Nov. 10, 1937.

Reg. No. 372,325. Registered Oct. 31, 1939. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BRIDJOINT

FOR METALLIC CLIPS FOR ATTACHING BUILDING BOARDS, AND USED IN WALLS AND CEILINGS.
Claims use since December 1937.

Reg. No. 372,326. Registered Oct. 31, 1939. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FREFLOTE

FOR METALLIC CLIPS FOR ATTACHMENT OF BUILDING BOARDS AND USED IN WALLS AND CEILINGS.
Claims use since December 1937.

Reg. No. 372,333. Registered Oct. 31, 1939. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

QUIETONE

FOR ACOUSTICAL FIBER BOARD.
Claims use since September 1938.

Reg. No. 373,842. Registered Dec. 26, 1939. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

HYDRO-STONE

The word "Stone" is disclaimed apart from the mark as shown.
FOR CASTING PLASTER COMPOSITION COMPRISING MAINLY CALCINED GYPSUM.
Claims use since January 1934.

Reg. No. 380,638. Registered Aug. 27, 1940. SELBY, BATTERSBY & COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

FORANAFT

FOR MATERIALS FOR PLASTIC AND MASTIC FLOOR AND DECK COVERINGS.
Claims use since Dec. 13, 1939.

Reg. No. 386,653. Registered Apr. 22, 1941. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CAL-SEAL

The word "Seal" is disclaimed apart from the mark as shown.
FOR CALCINED GYPSUM PLASTER FOR OIL WELL DRILLING.
Claims use since July 1938.

Reg. No. 386,747. Registered Apr. 22, 1941. PIONEER LOG CABIN COMPANY, INC., Pontiac, Mich., a corporation of Michigan. Republished by registrant.

PIONEER

FOR READY CUT-LOGS FOR BUILDINGS.
Claims use since Mar. 1, 1939.

Reg. No. 391,246. Registered Oct. 28, 1941. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MOTIF 'D

FOR ACOUSTICAL TILE.
Claims use since May 1941.

Reg. No. 401,047. Registered Apr. 20, 1943. STANDARD COTTON PRODUCTS CO., INC., Flint, Mich., a corporation of Michigan. Republished by registrant.



The words "Standard Cotton Insulation" and "Resists Heat, Cold and Fire" are disclaimed apart from the mark as shown.
FOR INSULATION BATTS.
Claims use since May 1942.

Reg. No. 401,120. Registered Apr. 27, 1943. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MASTICAL

FOR GYPSUM CEMENT COMPOSITIONS.
Claims use since October 1940.

Reg. No. 409,665. Registered Oct. 17, 1944. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR GYPSUM CASTING PLASTER.
Claims use since August 1940.

Reg. No. 410,589. Registered Dec. 5, 1944. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

KASTICAL

FOR GYPSUM PLASTER.
Claims use since October 1943.

Reg. No. 416,921. Registered Oct. 2, 1945. SELBY, BATTERSBY AND COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

KOMUL

FOR ANTI-CORROSIVE, IRREVERSIBLE EMULSION, OF COAL TAR PITCH FOR APPLICATION TO SURFACES OF METAL, WOOD, AND THE LIKE MATERIALS.
Claims use since Mar. 23, 1945.

Reg. No. 417,681. Registered Nov. 13, 1945. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

K-FAC

FOR HYDRAULICALLY BONDED ASBESTOS HEAT INSULATING BLOCKS.
Claims use since May 1943.

Reg. No. 420,024. Registered Mar. 19, 1946. SELBY, BATTERSBY AND COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

FILMIX

FOR LEVELING COMPOUND AND CRACK FILLER, APPLIED AS A TROWELED WET MIX FOR USE ON FLOORS AND WALLS.
Claims use since June 15, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 50,804. Registered Apr. 3, 1906. AMERICAN HOIST & DERRICK COMPANY, St. Paul, Minn. Republished by American Hoist & Derrick Co., St. Paul, Minn., a corporation of Delaware.

CROSBY

FOR ROPE CLIPS.
Claims use since 1887.

Reg. No. 244,575. Registered July 24, 1928. KING MANUFACTURING CORPORATION, Buffalo, N. Y. Republished by King Quality Products Co., St. Louis, Mo., a corporation of Indiana.



The word "Quality" is disclaimed apart from the mark as shown.
FOR AUTOMOTIVE PARTS—NAMELY, STEEBING-KNUCKLE BOLTS, SPRING-SHACKLE BOLTS, TIE-ROD YOKE BOLTS, AND PISTON-PIN SET SCREWS.
Claims use since about June 1924.

Reg. No. 366,094. Registered Mar. 28, 1939. THE AUTOYRE COMPANY, INCORPORATED, Oakville, Conn., a corporation of Connecticut. Republished by registrant.

AUTOYRE

FOR SOAP DISHES, TOWEL BARS, ROLL HOLDERS, TUMBLER AND TOOTHBRUSH HOLDERS, TOWEL RACKS, AND UTILITY HOOKS, ALL FOR ATTACHMENT TO A WALL OR OTHER SUPPORT, AND GLASS BATHROOM SHELVES AND SHELF BRACKETS THEREFOR.
Claims use since June 1912.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 194,139. Registered Jan. 13, 1925. DIAMOND MANUFACTURING COMPANY, Wyoming, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR PERFORATED METAL SHEETS AND PLATES.
Claims use since January 1921.

Reg. No. 240,220. Registered Mar. 20, 1928. BEARIUM BEARINGS, INC., Buffalo, N. Y. Republished by Bearium Metals Corporation, Rochester, N. Y., a corporation of New York.

BEARIUM

FOR LEAD AND ALLOYS USED FOR BEARING AND PACKING, METALS, IN INGOTS, CORED AND SOLID BARS, CASTINGS, AND RODS.
Claims use since Mar. 15, 1925.

Reg. No. 241,054. Registered Apr. 17, 1928. BEARIUM BEARINGS, INC., Buffalo, N. Y. Republished by Bearium Metals Corporation, Rochester, N. Y., a corporation of New York.



FOR LEAD AND ALLOYS USED FOR BEARING AND PACKING METALS IN INGOTS, CORED AND SOLID BARS, CASTINGS, AND RODS.
Claims use since Mar. 15, 1925.

CLASS 15

OILS AND GREASES

Reg. No. 113,179. Registered Oct. 10, 1916. TRUE'S OIL COMPANY, Spokane, Wash. Republished by True's Oil Company, Spokane, Wash., a corporation of Washington.

AGATE

FOR KEROSENE AND ILLUMINATING OILS.
Claims use since Jan. 1, 1916.

Reg. No. 113,180. Registered Oct. 10, 1916. TRUE'S OIL COMPANY, Spokane, Wash. Republished by True's Oil Company, Spokane, Wash., a corporation of Washington.

TRULITE

FOR KEROSENE, ILLUMINATING OILS.
Claims use since Jan. 1, 1916.

Reg. No. 113,181. Registered Oct. 10, 1916. TRUE'S OIL COMPANY, Spokane, Wash. Republished by True's Oil Company, Spokane, Wash., a corporation of Washington.

TRUTEST

FOR LUBRICATING OILS.
Claims use since Jan. 1, 1916.

Reg. No. 113,182. Registered Oct. 10, 1916. TRUE'S OIL COMPANY, Spokane, Wash. Republished by True's Oil Company, Spokane, Wash., a corporation of Washington.

CORALINE

FOR GASOLINE, FUEL OILS FOR INTERNAL COMBUSTION ENGINES AND MOTORS.
Claims use since Jan. 1, 1916.

Reg. No. 117,222. Registered June 19, 1917. TRUE'S OIL COMPANY, Spokane, Wash. Republished by True's Oil Company, Spokane, Wash., a corporation of Washington.

FINANCE

FOR LUBRICATING OILS.
Claims use since Jan. 1, 1917.

Reg. No. 117,223. Registered June 19, 1917. TRUE'S OIL COMPANY, Spokane, Wash. Republished by True's Oil Company, Spokane, Wash., a corporation of Washington.

PULOIL

FOR LUBRICATING OILS.
Claims use since Jan. 1, 1917.

Reg. No. 117,224. Registered June 19, 1917. TRUE'S OIL COMPANY, Spokane, Wash. Republished by True's Oil Company, Spokane, Wash., a corporation of Washington.

CHARTER

FOR LUBRICATING OILS.
Claims use since Jan. 1, 1917.

Reg. No. 373,746. Registered Dec. 19, 1939. MANNING MFG. CO., Rutland, Vt., a corporation of Vermont. Republished by registrant.

MANCO

FOR LUBRICATING OIL AND GASOLINE.
Claims use since Nov. 30, 1937.

Reg. No. 433,673. Registered Oct. 28, 1947. THE STAR OIL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR OILS AND GREASES FOR LUBRICATING PURPOSES.
Claims use since 1895.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 20,262. Registered Oct. 27, 1891. THE AMERICAN VARNISH COMPANY, Chicago, Ill., and New York, N. Y., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.



FOR VARNISHES.
Claims use since about July 1889.

Reg. No. 58,489. Registered Dec. 18, 1906. HOLZAPFEL'S COMPOSITIONS COMPANY, LIMITED, Newcastle-upon-Tyne, England. Republished by International Paint Company, Inc., New York, N. Y., a corporation of New York.

DANBOLINE

FOR PAINTS, MIXED PAINTS, AND ENAMELS.
Claims use since Feb. 27, 1901.

Reg. No. 125,203. Registered Apr. 22, 1919. JESSE B. CORNISH, Chicago, Ill. Republished by Rockford Paint Manufacturing Company, Rockford, Ill., a corporation of Illinois.

AR-KI-TECK

FOR VARNISHES.
Claims use since Mar. 1, 1918.

Reg. No. 150,331. Registered Jan. 3, 1922. DETROIT GRAPHITE COMPANY, Detroit, Mich. Republished by Detroit Graphite Company, Detroit, Mich., and New York, N. Y., a corporation of Delaware.

DEGRACO

FOR READY-MIXED PASTE AND SEMIPASTE PAINTS, PAINT ENAMELS IN LIQUID FORM, AND VARNISHES.
Claims use since Sept. 1, 1914.

Reg. No. 164,331. Registered Feb. 20, 1923. DETROIT GRAPHITE COMPANY, Detroit, Mich., and New York, N. Y., a corporation of Delaware. Republished by registrant.

CEMTEX

FOR PROTECTIVE AND FIRE-RETARDING PAINTS.
Claims use since July 22, 1921.

Reg. No. 167,928. Registered May 8, 1923. CON-FERRO PAINT & VARNISH CO., St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.

EL-KAY

FOR READY-MIXED PAINTS, VARNISH STAINS, AND PAINT ENAMELS.
Claims use since Feb. 1, 1919.

Reg. No. 203,246. Registered Sept. 15, 1925. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

PENETREX

FOR OIL STAINS.
Claims use since March 1922.

Reg. No. 203,248. Registered Sept. 15, 1925. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

No. 843

FOR WHITE ENAMEL UNDERCOATING.
Claims use since September 1922.

Reg. No. 206,011. Registered Nov. 24, 1925. DETROIT GRAPHITE COMPANY, Detroit, Mich. Republished by Detroit Graphite Company, New York, N. Y., and Detroit, Mich., a corporation of Delaware.

SUPERIOR GRAPHITE PAINT

FOR PAINTS, DRY, PASTE, SEMIPASTE, AND READY MIXED.
Claims use since May 1, 1892.

Reg. No. 210,484. Registered Mar. 16, 1926. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SEA-SPAR

The word "Spar" is disclaimed apart from the mark as shown.
FOR VARNISHES.
Claims use since Apr. 11, 1925.

Reg. No. 210,749. Registered Mar. 23, 1926. DETROIT GRAPHITE COMPANY, Detroit, Mich. Republished by Detroit Graphite Company, New York, N. Y., and Detroit, Mich., a corporation of Delaware.

STIPLOID

FOR WASHABLE WALL FINISH.
Claims use since May 6, 1925.

Reg. No. 212,194. Registered Apr. 27, 1926. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Snowdrift

FOR PAINT ENAMEL.
Claims use since Apr. 7, 1925.

Reg. No. 212,323. Registered Apr. 27, 1926. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

HOMEGLOSS

FOR PAINT ENAMELS.
Claims use since July 25, 1925.

Reg. No. 221,175. Registered Nov. 23, 1926. CON-FERRO PAINT & VARNISH CO., St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.

"OUR OWN"

FOR HOUSE PAINT, PAINT ENAMELS, VARNISH STAINS, VARNISHES, BARN PAINT, AND GARAGE PAINT.
Claims use since Jan. 15, 1926.

Reg. No. 224,154. Registered Feb. 22, 1927. LEO A. GOLDBERG, doing business as Indian Varnish Company, Chicago, Ill. Republished by Great Lakes Varnish Works, Inc., Chicago, Ill., a corporation of Illinois.

RED MAN

FOR READY MIXED VARNISH, FURNITURE POLISH; DRY, READY MIXED, AND PASTE PAINTS; AND PAINT ENAMELS.
Claims use since April 1923.

Reg. No. 224,320. Registered Feb. 22, 1927. DETROIT GRAPHITE COMPANY, Detroit, Mich. Republished by Detroit Graphite Company, Detroit, Mich., and New York, N. Y., a corporation of Delaware.

SILVR-COOL

The word "Silver" is disclaimed apart from the mark as shown.
FOR ALUMINUM PAINT, ALUMINUM-PAINT UNDERCOATER OR PRIMER.
Claims use since July 7, 1925.

Reg. No. 252,377. Registered Feb. 5, 1929. THE INTERNATIONAL PAINT & COMPOSITIONS COMPANY, LIMITED, London, England. Republished by International Paint Company, Inc., New York, N. Y., a corporation of New York.

GALVEX

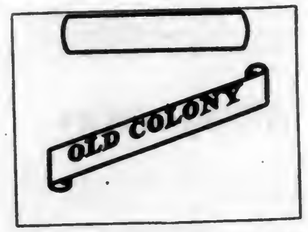
FOR READY-MIXED PAINTS.
Claims use since July 1927.

Reg. No. 270,108. Registered Apr. 29, 1930. DETROIT GRAPHITE COMPANY, Detroit, Mich. Republished by Detroit Graphite Company, Detroit, Mich., and New York, N. Y., a corporation of Delaware.

AIRON

FOR READY-MIXED PAINT.
Claims use since Jan. 7, 1929.

Reg. No. 293,021. Registered Apr. 5, 1932. NORTH AMERICAN PAINT & CHEMICAL CO. LTD., Los Angeles, Calif. Republished by Old Colony Paint & Chemical Co., Los Angeles, Calif., a corporation of Nevada.



FOR READY-MIXED COLD WATER AND PASTE PAINTS, DRY PAINT COLORS, PAINT THINNERS, WHITE LEAD, ZINC OXIDE PAINT PIGMENTS, PREPARED SHELLAC READY FOR USE, PAINT ENAMELS, LACQUERS, LACQUER THINNERS, FLOOR WAX, PUTTY, VARNISH, LINSEED OIL, TURPENTINE, CALCIMINE OIL AND JAPAN COLORS, OIL STAINS, CEMENT STAINS, WOOD FILLERS.
Claims use since Mar. 3, 1928.

Reg. No. 335,286. Registered June 2, 1936. C. J. OSBORN CO., New York, N. Y., a corporation of New York. Republished by registrant.

NITROCOL

FOR CHIPS AND PASTES OF A COMPOSITION COMPRISING CELLULOSE ESTERS, PLASTICIZERS, AND PIGMENTS, WHICH COMPOSITION IS USUALLY MIXED WITH A COATING OR LIKE MATERIAL TO IMPART COLOR THERETO.
Claims use since Dec. 13, 1932.

Reg. No. 336,449. Registered July 7, 1936. CITY PAINT COMPANY, St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Missouri.



The word "Kolorful" is disclaimed apart from the mark as shown. The colors orange, blue, black, and white are claimed as features of the mark, no claim being made to the representation of the label per se.
FOR READY-MIXED PAINTS, VARNISH STAINS, QUICK DRYING ENAMELS, STOVEPIPE PAINT ENAMELS, SCREEN PAINT ENAMELS, TOUCH UP PAINT ENAMELS, GOLD-BRONZE PAINT, ALUMINUM BRONZE PAINT AND PREPARED SHELLAC.
Claims use since Jan. 2, 1936.

Reg. No. 393,536. Registered Feb. 17, 1942. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

DEKGRIP

FOR DECK PAINTS IN READY MIXED FORM.
Claims use since Sept. 11, 1941.

Reg. No. 394,577. Registered Apr. 14, 1942. OLD COLONY PAINT & CHEMICAL CO., Los Angeles, Calif., a corporation of Nevada. Republished by registrant.

NACO

FOR AUTOMOTIVE PAINT FINISHES.
Claims use since Feb. 1, 1930.

Reg. No. 416,973. Registered Oct. 9, 1945. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Plam-Lak

The word "Lak" is disclaimed apart from the mark as shown.
FOR LINOLEUM LACQUER.
Claims use since Jan. 31, 1945.

Reg. No. 417,905. Registered Nov. 20, 1945. DETROIT GRAPHITE COMPANY, Detroit, Mich., a corporation of Delaware. Republished by registrant, present address Detroit, Mich., and New York, N. Y.

SYN-GARD

FOR METAL PROTECTIVE PAINTS.
Claims use since Dec. 29, 1924.

Reg. No. 421,015. Registered May 14, 1946. SELBY, BATTERSBY AND COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

KOMUL

FOR COLD APPLIED STABLE EMULSION OF COAL TAR PITCH USED AS AN ANTI-CORROSIVE PROTECTIVE COATING FOR MASTIC FLOORS AND DRIVEWAYS AND STORAGE TANKS.
Claims use since Mar. 23, 1945.

Reg. No. 425,286. Registered Nov. 12, 1946. SELBY, BATTERSBY AND COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

FLOOR CRAFTERS

The word "Floor" is disclaimed apart from the mark as shown.
FOR FLOOR WAX.
Claims use since December 1932.

CLASS 17
TOBACCO PRODUCTS

Reg. No. 404,448. Registered Nov. 23, 1943. GRABOSKY BROS., INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

BUDGET

FOR CIGARS.
Claims use since Aug. 4, 1932.

Reg. No. 404,449. Registered Nov. 23, 1943. GRABOSKY BROS., INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ROYALIST

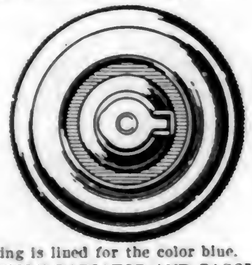


FOR CIGARS.
Claims use since Mar. 18, 1931.

CLASS 19

VEHICLES

Reg. No. 317,713. Registered Oct. 2, 1934. STANT MANUFACTURING COMPANY, Connersville, Ind., a corporation of Indiana. Republished by registrant.



The drawing is lined for the color blue.
FOR VEHICLE RADIATOR AND GASOLINE FILLER CAPS.
Claims use since Apr. 10, 1934.

Reg. No. 349,193. Registered Aug. 24, 1937. E. A. LABORATORIES, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

COMFORTAIR

FOR VEHICLE HEATERS AND PARTS THEREOF, SAID HEATERS UTILIZING HOT FLUIDS FROM THE ENGINE.
Claims use since Feb. 1, 1935.

Reg. No. 364,479. Registered Jan. 31, 1939. PIPER AIRCRAFT CORPORATION, Lock Haven, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR AIRPLANES.
Claims use since Feb. 1, 1936.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 220,666. Registered Nov. 16, 1926. GENERAL DRY BATTERIES, INC., Cleveland, Ohio, a corporation of Ohio. Republished by registrant, present address Lakewood, Ohio.

ARISTOCRAT

FOR ELECTRIC BATTERIES.
Claims use since about July 15, 1926.

Reg. No. 285,731. Registered Aug. 4, 1931. GENERAL DRY BATTERIES, INC., Cleveland, Ohio, a corporation of Ohio. Republished by registrant, present address Lakewood, Ohio.

DURO-POWR

The word "Powr" is disclaimed apart from the mark as shown.
FOR ELECTRIC BATTERIES.
Claims use since about Sept. 29, 1930.

Reg. No. 309,361. Registered Jan. 9, 1934. PERRINE QUALITY PRODUCTS CORPORATION, Waltham, Mass., a corporation of Massachusetts. Republished by registrant.

PERRINE
POLAR BEAR

FOR STORAGE BATTERIES AND THEIR PARTS, OTHER THAN ELECTROLYTE.
Claims use since about June 1, 1931.

Reg. No. 385,823. Registered Mar. 18, 1941. CIRCO PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DEE TEE

FOR ELECTRICALLY HEATED SOLVENT VAPORIZING APPARATUSES FOR DEGREASING AND CLEANING AUTOMOBILE PARTS AND MACHINERY PARTS.
Claims use since Oct. 3, 1937.

Reg. No. 390,205. Registered Sept. 9, 1941. ROME CABLE CORPORATION, Rome, N. Y., a corporation of New York. Republished by registrant.

ROME SYNTHINOL

The word "Rome" is disclaimed apart from the mark as shown.
FOR INSULATED ELECTRICAL CONDUCTORS, WIRES AND CABLES, AND INSULATING SLEEVING.
Claims use since about Feb. 15, 1941.

Reg. No. 391,867. Registered Nov. 25, 1941. JAMES G. BIDDLE CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

"Lubri-tact"

FOR RHEOSTATS.
Claims use since May 26, 1941.

Reg. No. 419,118. Registered Feb. 5, 1946. THE O. A. SUTTON CORPORATION, INCORPORATED, Wichita, Kans., a corporation of Kansas. Republished by registrant.



The word "Fan" is disclaimed apart from the mark as shown.
FOR ELECTRIC FANS FOR DOMESTIC AND COMMERCIAL USE.
Claims use since August 1944.

Reg. No. 427,829. Registered Feb. 25, 1947. ADVANCE TRANSFORMER CO., Chicago, Ill., assignor to Advance Transformer Co. Republished by Advance Transformer Co., Chicago, Ill., a corporation of Illinois.

ADVANCE

FOR FLUORESCENT LAMP TRANSFORMERS AND FLUORESCENT LAMP BALLASTS.
Claims use since Apr. 30, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 365,114. Registered Feb. 21, 1939. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

TRAIN-EN

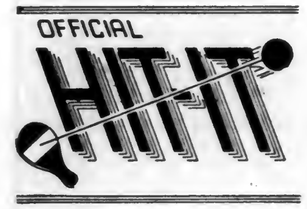
FOR PLAY BALLS AND PLAYSETS INCLUDING BALLS.
Claims use since Sept. 2, 1938.

Reg. No. 365,963. Registered Mar. 21, 1939. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

HIT-IT

FOR PLAY SETS INCLUDING BALL AND BAT.
Claims use since May 1938.

Reg. No. 367,562. Registered May 23, 1939. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.



The representation of a play set is disclaimed apart from the mark as shown.
FOR PLAY SETS INCLUDING BALL AND BAT.
Claims use since May 1938.

Reg. No. 381,240. Registered Sept. 17, 1940. PIONEER LOG CABIN COMPANY, INC., Pontiac, Mich., a corporation of Michigan. Republished by registrant.

PIONEER

FOR CUT LOGS TOY BUILDING KITS.
Claims use since Mar. 1, 1939.

Reg. No. 409,822. Registered Oct. 24, 1944. JAMES S. WHITE, Chicago, Ill. Republished by registrant.

HED-MITS

The word "Hed" is disclaimed apart from the mark as shown.
FOR GOLF CLUB HEAD COVERS.
Claims use since Dec. 6, 1943.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 92,617. Registered July 22, 1913. AMES SHOVEL & TOOL COMPANY, Jersey City, N. J., and Boston, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

O. AMES

FOR SHOVELS, SPADES, AND SCOOPS.
Claims use since 1812.

Reg. No. 135,920. Registered Oct. 26, 1920. BOSTON WIRE STITCHER COMPANY, East Greenwich, R. I., a corporation of Maine. Republished by registrant, present address Stonington, Conn.

BOSTITCH

FOR WIRE-STITCHING AND STAPLING MACHINES AND PARTS THEREOF.
Claims use since Nov. 18, 1919.

Reg. No. 138,887. Registered Jan. 11, 1921. THE WYOMING SHOVEL WORKS, Wyoming, Pa. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

WYOMING
RED EDGE

FOR SHOVELS, SPADES, SCOOPS, MATTOCKS, AND PICKS.
Claims use since Nov. 28, 1913.

Reg. No. 174,760. Registered Oct. 23, 1923. BALDWIN TOOL WORKS, Parkersburg, W. Va. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

PINNACLE

FOR SHOVELS, SPADES, SCOOPS, POSTHOLE DIGGERS, AND WOODEN HANDLES.
Claims use since 1905.

Reg. No. 211,130. Registered Apr. 6, 1926. BLAW-KNOX COMPANY, Blawnox, Pa., a corporation of New Jersey. Republished by registrant, present address Pittsburgh, Pa.

Batcherplant

FOR PROPORTIONING PLANTS FOR CONCRETE AGGREGATES.
Claims use since Oct. 4, 1922.

Reg. No. 224,194. Registered Feb. 22, 1927. GREENLEE BROS. & CO., Rockford, Ill., a corporation of Illinois. Republished by registrant.



FOR AUGERS, AUGER BITS, CAR BITS, CHISELS, GOUGES, DRAWKNIVES, WOOD-BORING DRILLS, COUNTERSINKS, REAMERS, SCREW-DRIVER BITS, PARTING TOOLS, MACHINE BITS, HOLLOW CHISELS, HOLLOW CHISEL BITS, MORTISERS, GAINING MACHINES, SAW BENCHES AND TABLES, RIPSAWS, CUT-OFF SAWS, HAND-FEED RIPSAWS, SELF-FEED RIPSAWS, VARIETY SAW BENCHES, UNIVERSAL SAW BENCHES, DADO MACHINES, TENONING MACHINES, JOINTERS, WOODWORKING MACHINES, WOOD-BORING MACHINES, SASH AND DOOR MACHINES, SASH AND DOOR CLAMPS, DOVETAILING MACHINES, DOOR RELISHERS, WEDGE CUTTERS, FRANKING MACHINES, WOOD-MOLDER-CUTTING MACHINES, WOOD-CUTTER HEADS, CUTTING TOOLS, BORING MACHINES, SPIKE-DRIVING MACHINES, SPIKE WRENCHES, MINE-TIMBER FRAMERS, TIE-ADZING MACHINES, TIE-SAWING MACHINES, TIE-BORING MACHINES, TIE-BRANDING MACHINES, PERFORATING MACHINES, SINGLE END TENONERS, DOUBLE END TENONERS, SASH RELISHERS, SASH DOVETAILERS, TURRET LATHES, AUTOMATIC SCREW MACHINES, TIE ADZING AND BORING MACHINES, MULTIPLE-SPINDLE-DRILLING MACHINES, MULTIPLE-SPINDLE-TAPPING MACHINES.
Claims use since January 1902.

Reg. No. 225,905. Registered Mar. 29, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

HELMET

FOR SHOVELS, SPADES, AND SCOOPS.
Claims use since January 1926.

Reg. No. 226,596. Registered Apr. 12, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

MASSACHUSETTS

FOR SHOVELS, SPADES, AND SCOOPS.
Claims use since November 1894.

Reg. No. 226,600. Registered Apr. 12, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

CARTER

FOR SHOVELS, SPADES, AND SCOOPS.
Claims use since November 1885.

Reg. No. 228,227. Registered May 24, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.



FOR SHOVELS, SPADES, AND SCOOPS.
Claims use since Jan. 10, 1927.

Reg. No. 229,646. Registered July 5, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

DREDNOT

FOR SHOVELS AND SCOOPS.
Claims use since January 1924.

Reg. No. 231,204. Registered Aug. 16, 1927. THE CENTURY MACHINE COMPANY, Cincinnati and Oakley, Cincinnati, Ohio. Republished by The Century Machine Company, Cincinnati, Ohio, a corporation of Ohio.

GIANT

FOR BAKERS' MIXING MACHINES.
Claims use since Nov. 22, 1915.

Reg. No. 244,588. Registered July 24, 1928. KING QUALITY PRODUCTS INC., Buffalo, N. Y. Republished by King Quality Products Co., St. Louis, Mo., a corporation of Indiana.

The word "Quality" is disclaimed apart from the mark as shown.
FOR AUTOMOTIVE PARTS—NAMELY, STEERING-KNUCKLE BUSHINGS, TIE-ROD YOKE BUSHINGS, PISTON PINS, AND SPRING-SHACKLE BUSHINGS.
Claims use since about June 1924.

Reg. No. 258,347. Registered July 2, 1929. AMES SHOVEL AND TOOL COMPANY, North Easton, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

The lining on the drawing indicates a color shading, without representing any particular colors, and is applied for the purpose of showing the effect secured by using two distinct shades of color. No claim is made to "No. Easton, Mass., St. Louis, Mo., U. S. A." as a part of the registration.
FOR TOOLS AND PARTS THEREOF—NAMELY, SHOVELS, SPADES, SCOOPS, ICE CHOPPERS AND SNOW PUSHERS.
Claims use since October 1928.

Reg. No. 262,338. Registered Oct. 8, 1929. AMES SHOVEL AND TOOL COMPANY, North Easton, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

AMES

FOR TOOLS AND PARTS THEREOF—NAMELY, SHOVELS, SPADES, SCOOPS, ICE CHOPPERS, AND SNOW PUSHERS.
Claims use since 1812.

Reg. No. 262,339. Registered Oct. 8, 1929. AMES SHOVEL AND TOOL COMPANY, North Easton, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

Oliver Ames

FOR TOOLS AND PARTS THEREOF—NAMELY, SHOVELS, SPADES, SCOOPS, ICE CHOPPERS, AND SNOW PUSHERS.
Claims use since 1844.

Reg. No. 271,728. Registered June 17, 1930. BALDWIN TOOL WORKS, Parkersburg, W. Va. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.



No claim is made for other words than "Baldwin's" except in association with said word or name. The drawing is lined for red and blue.
FOR SHOVELS, SPADES, SCOOPS, TELEGRAPH SPOONS, HAND-OPERATED DITCHING TOOLS, SNOW PUSHERS, SIDEWALK SCRAPERS, POST-HOLE DIGGERS, TOOL HANDLES.
Claims use since about Nov. 15, 1923.

Reg. No. 360,258. Registered Sept. 13, 1938. UNITED DRILL AND TOOL CORPORATION, Chicago, Ill. Republished by United Drill & Tool Corporation, Chicago, Ill., a corporation of Michigan.

Double Circle

FOR TWIST DRILLS, REAMERS, MILLING CUTTERS, AND OTHER METAL CUTTING TOOLS.
Claims use since Feb. 4, 1938.

Reg. No. 380,738. Registered Aug. 27, 1940. AMES BALDWIN WYOMING CO., Parkersburg, W. Va., a corporation of Delaware. Republished by registrant.

PACEMAKER

FOR SHOVELS AND SCOOPS.
Claims use since June 1, 1915.

Reg. No. 387,171. Registered May 6, 1941. CIRCO PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CIRCO

FOR APPARATUS FOR STEAM-CLEANING AUTOMOBILE ENGINES AND ITS PARTS, AND FOR CLEANING AIR FILTERS, DIFFERENTIAL AND TRANSMISSION GEAR HOUSINGS, AND FOR CLEANING CYLINDER TEST FIXTURES AND CYLINDER SURFACE PLATES, WHICH CLEANING APPARATUS IS COMPRISED OF A STEAM GENERATOR WITH CONNECTIONS AND CONTROLS, CONDUCTING LINES AND APPLICATION NOZZLES, ETC., SOLD AS A UNIT.
Claims use since Nov. 11, 1935.

Reg. No. 392,480. Registered Dec. 30, 1941. THE HENKEL-CLAUSS COMPANY, Fremont, Ohio, a corporation of Ohio. Republished by registrant.

GARDEN

CLUB

FOR FLOWER-HOLDING SHEARS.
Claims use since Mar. 11, 1933.

Reg. No. 394,115. Registered Mar. 17, 1942. UNITED DRILL & TOOL CORPORATION, Chicago, Ill., a corporation of Michigan. Republished by registrant.



FOR TWIST DRILLS AND REAMERS.
Claims use since Feb. 4, 1938.

Reg. No. 403,759. Registered Oct. 19, 1943. SPEED-JACK COMPANY, Belleville, N. J., a firm. Republished by registrant.

SPEED-JACK

The word "Speed" is disclaimed apart from the mark as shown.
FOR ADJUSTABLE TRANSMISSION GEARING WHEREIN AN ENDLESS NUMBER OF REDUCED OR INCREASED SPEEDS BETWEEN A MINIMUM SPEED AND A MAXIMUM SPEED IS OBTAINABLE FROM A PRIME MOVER HAVING A CONSTANT SPEED AND WHEREIN BELTS ENGAGE PULLEYS WHICH HAVE THEIR EFFECTIVE OR PITCH DIAMETERS VARIED.
Claims use since Mar. 3, 1942.

Reg. No. 407,168. Registered May 23, 1944. COSMET CORPORATION, Minneapolis, Minn. Republished by Cosmet Company, Minneapolis, Minn., a firm.

COSMALOK

FOR MACHINES FOR SECURING OR SWEDGING SCREWS ON SPECTACLE FRAMES AND MOUNTINGS, AND FOR BURRS AND CHUCKS FOR USE ON SUCH MACHINES AND CONSTITUTING PARTS THEREOF.
Claims use since on or about Apr. 15, 1943.

Reg. No. 422,647. Registered Aug. 6, 1946. CIRCO PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Circo Comet

FOR DEGREASERS, I. E., APPARATUS FOR CIRCULATING A SOLVENT AND/OR SOLVENT VAPOR OVER GREASE LADEN ARTICLES, AND MECHANISM FOR THE RECOVERY OF THE SOLVENT SO USED.
Claims use since Feb. 1, 1945.

Reg. No. 422,648. Registered Aug. 6, 1946. CIRCO PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Circo Chief

FOR DEGREASERS, I. E., APPARATUS FOR CIRCULATING A SOLVENT AND/OR SOLVENT VAPOR OVER GREASE LADEN ARTICLES, AND MECHANISM FOR THE RECOVERY OF THE SOLVENT SO USED.
Claims use since Feb. 1, 1945.

Reg. No. 432,244. Registered Aug. 26, 1947. GELLMAN MANUFACTURING COMPANY, Rock Island, Ill., a corporation of Illinois. Republished by registrant.

VARIETY

FOR BREAD WRAPPING AND PACKAGING MACHINE.
Claims use since Oct. 10, 1945.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 155,192. Registered May 23, 1922. THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood, Ohio, a corporation of Ohio. Republished by registrant, present address, Norwood, Cincinnati, Ohio.

AMERICAN

FOR METALLIC LAUNDRY WASHERS, CLOTHES TUMBLERS, LAUNDRY CENTRIFUGAL EXTRACTORS, BOSOM IRONERS, COMBINATION IRONERS, COLLAR AND CUFF IRONERS, YOKE IRONERS, SLEEVE IRONERS, WRISTBAND IRONERS, NECKBAND IRONERS, CAPE COLLAR IRONERS, BODY IRONERS, AND FLATWORK IRONERS.
Claims use since November 1893.

Reg. No. 156,610. Registered July 11, 1922. THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood, Ohio, a corporation of Ohio. Republished by registrant, present address Norwood, Cincinnati, Ohio.

THE AMERICAN LAUNDRY MACHINERY CO.

FOR WOODEN LAUNDRY WASHERS, WOODEN AND METALLIC LAUNDRY WASHERS, METALLIC LAUNDRY WASHERS, BRASS LAUNDRY WASHERS, LAUNDRY STERILIZERS, CLOTHES TUMBLERS, LAUNDRY CENTRIFUGAL EXTRACTORS, POWER-RUBBER-ROLL WRINGERS, SHIRT STARCHERS, CYLINDER STARCHERS, DIP-WHEEL STARCHERS, BARREL STARCHERS, LAUNDRY DRY ROOMS, BOSOM IRONERS, COMBINATION IRONERS, COLLAR AND CUFF IRONERS, YOKE IRONERS, SLEEVE IRONERS, WRIST BAND IRONERS, NECKBAND IRONERS, CAPE COLLAR IRONERS, BODY IRONERS, PUFF IRONS, LAUNDRY FAN BLOWERS, AND FLATWORK IRONERS.
Claims use since January 1893.

CLASS 25

LOCKS AND SAFES

Reg. No. 353,728. Registered Jan. 18, 1938. NEW PROCESS COMPANY, Warren, Pa., a corporation of Delaware. Republished by registrant.

MyStrong

The word "Strong" is disclaimed apart from the mark as shown.
FOR PORTABLE LOCKABLE FILE BOX FOR DOCUMENTS.
Claims use since on or about Aug. 4, 1932.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 375,873. Registered Mar. 5, 1940. N. P. BENSON OPTICAL COMPANY, INC., Minneapolis, Minn., assignor to Cosmet Corporation. Republished by Cosmet Company, Minneapolis, Minn., a firm.

BROWLAC

FOR EYE GLASS LENSES AND EYE GLASS EDGE FINISHES.
Claims use since on or about Feb. 15, 1933.

Reg. No. 379,537. Registered July 16, 1940. N. P. BENSON OPTICAL CO., INC., Minneapolis, Minn., assignor to Cosmet Corporation. Republished by Cosmet Company, Minneapolis, Minn., a firm.

COSMET

FOR EYE GLASS LENSES AND EYE GLASS EDGE FINISHES.
Claims use since on or about Sept. 16, 1939.

Reg. No. 397,754. Registered Sept. 22, 1942. N. P. BENSON OPTICAL COMPANY, INC., Minneapolis, Minn. Republished by Cosmet Company, Minneapolis, Minn., a firm.

HARDRx

FOR EYE GLASS LENSES AND EYE GLASS EDGE FINISHES.
Claims use since on or about July 1940.

Reg. No. 412,565. Registered Mar. 13, 1945. MASTER RULE MANUFACTURING CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

MASTER

The representation of the goods is disclaimed apart from the mark as shown.

FOR MEASURING TAPES AND RULES OF STEEL AND WOOD.

Claims use since April 1941.

Reg. No. 414,108. Registered May 29, 1945. BENDIX AVIATION CORPORATION, Teterboro, N. J. Republished by registrant.

AUTOSYN

FOR ELECTRICAL TRANSMITTING AND/OR RECEIVING DEVICES OF THE TELEMETRIC TYPE BY MEANS OF WHICH A FUNCTION IS MEASURED AT ONE POINT AND TRANSMITTED TO AND INDICATED AT ANOTHER AND REMOTE POINT OR TRANSMITTED TO ANOTHER AND REMOTE POINT TO PROVIDE A CONTROL FORCE THEREAT.

Claims use since Jan. 9, 1933.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 115,395. Registered Feb. 6, 1917. WM. A. ROGERS, LIMITED, New York, and Niagara Falls, N. Y. Republished by Oneida Ltd., Oneida, N. Y., a corporation of New York.

Heirloom

FOR SILVED-PLATED FLAT AND HOLLOW WARE AND CUTLERY.

Claims use since Mar. 19, 1915.

Reg. No. 134,050. Registered Aug. 10, 1920. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y. Republished by Oneida Ltd., Oneida, N. Y., a corporation of New York.

COMMUNITY

FOR SILVERPLATED FLAT WARE AND SILVER-PLATED TABLEWARE.

Claims use since 1880.

Reg. No. 171,320. Registered Aug. 7, 1923. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y. Republished by Oneida Ltd., Oneida, N. Y., a corporation of New York.

TUDOR PLATE

The word "Plate" is disclaimed apart from the mark as shown.

FOR SILVER-PLATED FLAT-WARE, SILVER-PLATED TABLE-WARE AND SILVER-PLATED CUTLERY.

Claims use since June 15, 1922.

Reg. No. 316,341. Registered Aug. 21, 1934. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y. Republished by Oneida Ltd., Oneida, N. Y., a corporation of New York.

ONEIDA

FOR SILVER PLATED HOLLOW AND FLAT TABLE WARE.

Claims use since 1883.

Reg. No. 428,772. Registered Apr. 1, 1947. TURQUOISE INDIAN TRADING CO., Santa Barbara, Calif., a firm. Republished by registrant.

DESERT GEM

The word "Gem" is disclaimed apart from the mark as shown.

FOR FINGER RINGS, EAR RINGS, AND BRACELETS MADE OF STERLING SILVER.

Claims use since May 2, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 108,166. Registered Jan. 18, 1916. INGRAM-RICHARDSON MANUFACTURING COMPANY, Beaver Falls, Pa., a corporation of Pennsylvania. Republished by registrant.

PORCELIROK

FOR ENAMELED METAL TABLE AND CABINET TOPS.

Claims use since Jan. 6, 1915.

Reg. No. 374,711. Registered Jan. 23, 1940. WHITEHEAD METAL PRODUCTS COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

WHITEHEAD WORK SAVING KITCHEN

FOR KITCHEN CABINETS.

Claims use since July 15, 1938.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 47,409. Registered Oct. 31, 1905. WEIR STOVE COMPANY, Taunton, Mass. Republished by Glenwood Range Company, Taunton, Mass., a corporation of Massachusetts.

GLENWOOD

FOR STOVES, RANGES, FURNACES, AND HEATERS.

Claims use since about 1881.

Reg. No. 205,314. Registered Nov. 3, 1925. ODIN STOVE MANUFACTURING COMPANY, Erie, Pa., a corporation of Pennsylvania. Republished by registrant.

ODIN

FOR GAS HEATING AND COOKING STOVES.

Claims use since Mar. 4, 1892.

Reg. No. 205,315. Registered Nov. 3, 1925. ODIN STOVE MANUFACTURING COMPANY, Erie, Pa., a corporation of Pennsylvania. Republished by registrant.

REDDYFYRE

FOR GAS HEATING AND COOKING STOVES.

Claims use since Jan. 2, 1921.

Reg. No. 291,759. Registered Feb. 23, 1932. STARK TOOL COMPANY, Waltham, Mass., a corporation of Massachusetts. Republished by registrant.

"ELECTROBLAST"

FOR BLOW TORCHES.

Claims use since Oct. 2, 1931.

Reg. No. 298,413. Registered Oct. 25, 1932. ODIN STOVE MANUFACTURING COMPANY, Erie, Pa., a corporation of Pennsylvania. Republished by registrant.

Beautyrange

The word "Range" is disclaimed apart from the mark as shown.

FOR GAS STOVES AND RANGES.

Claims use since Dec. 1, 1931.

Reg. No. 332,917. Registered Mar. 3, 1936. HENRY WATERMAN & BRO. CORP., New York, N. Y., a corporation of New York. Republished by registrant, present address Maspeth, Long Island, N. Y.,

WATERMAN

FOR GAS STOVES, RANGES, HEATERS, AND GAS HEATING AND COOKING APPLIANCES—NAMELY, HOT PLATES, COOKERS, GRIDDLE STOVES, BAKING OVENS, URN BURNERS, LAUNDRY STOVES, AND SOLDERING FURNACES.

Claims use since June 1894.

Reg. No. 378,324. Registered June 4, 1940. WHITEHEAD METAL PRODUCTS COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

WHITEHEAD

FOR HOT WATER TANKS AND HOT WATER STORAGE UNITS.

Claims use since May 15, 1932.

Reg. No. 397,160. Registered Aug. 25, 1942. INSTO-GAS CORPORATION, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Insto-Gas

The word "Gas" is disclaimed apart from the mark as shown.

FOR GAS TORCHES AND PLUMBERS' FURNACES.

Claims use since Dec. 12, 1934.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 361,841. Registered Nov. 1, 1938. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

KING

FOR BAND AND ORCHESTRA MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, MELLOPHONES, FRENCH HORNS, ALTO HORNS, BARITONE HORNS, BASS HORNS, TROMBONES, FLUTES, CLARINETS, PICCOLOS, SAXOPHONES, OBOES, REEDS FOR MUSICAL INSTRUMENTS AND FLEUGEL HORNS.

Claims use since Jan. 1, 1929.

CLASS 37

PAPER AND STATIONERY

Reg. No. 43,074. Registered Aug. 2, 1904. EBERHARD FABER, New York, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.



The trade-mark consists of a circumferential band of yellow or gold color contrasting with a darker color on both sides and produced on the tip of a lead-pencil or representation thereof.

FOR LEAD PENCILS.

Claims use since March 1904.

Reg. No. 63,677. Registered July 2, 1907. J. W. BUTLER PAPER CO., Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

BROTHER JONATHAN

BOND

FOR WRITING PAPER.
Claims use since 1894.

Reg. No. 82,541. Registered July 4, 1911. SAMUEL WARD COMPANY, Boston, Mass. Republished by Samuel Ward Manufacturing Co., Boston, Mass., a corporation of Massachusetts.

WARDWOVE

FOR WRITING PAPERS AND ENVELOPES.
Claims use since January 1909.

Reg. No. 100,581. Registered Oct. 20, 1914. MCCLELLAN PAPER COMPANY, Minneapolis, Minn. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

CHARACTER

FOR WRITING PAPER.
Claims use since about July 1, 1910.

Reg. No. 145,052. Registered July 26, 1921. J. W. BUTLER PAPER COMPANY, Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

KOTOLITH

FOR PAPER FOR POSTER AND LABEL WORK.
Claims use since Dec. 27, 1919.

Reg. No. 157,882. Registered Aug. 22, 1922. J. W. BUTLER PAPER COMPANY, Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois

PILOT COVER

The word "Cover" is disclaimed apart from the mark as shown.
FOR COVER PAPER.
Claims use since June 13, 1919.

Reg. No. 165,322. Registered Mar. 6, 1923. J. W. BUTLER PAPER COMPANY, Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

AMBASSADOR

FOR PRINTING, BOOK, AND COVER PAPERS.
Claims use since Feb. 28, 1922.

Reg. No. 165,323. Registered Mar. 6, 1923. J. W. BUTLER PAPER COMPANY, Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

ARTISAN

FOR PRINTING, WRITING, BOOK, AND COVER PAPERS.
Claims use since April 1920.

Reg. No. 168,604. Registered May 29, 1923. SAMUEL WARD MANUFACTURING CO., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

Club Parchment

The word "Parchment" is disclaimed apart from the mark as shown.
FOR WRITING PAPERS AND ENVELOPES.
Claims use since about June 1, 1921.

Reg. No. 172,922. Registered Sept. 11, 1923. J. W. BUTLER PAPER COMPANY, Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

UNIFILE INDEX

FOR PAPER—NAMELY, PRINT, BOOK, COVER, BRISTOL, POST CARD, LEDGER, WRITING, BOND, AND ENVELOPE.
Claims use since Apr. 19, 1922.

Reg. No. 174,242. Registered Oct. 9, 1923. THE J. W. BUTLER PAPER CO., Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

Lithocraft

FOR PRINT PAPER, BOOK PAPER, COVER PAPER, WRITING PAPER, BOND PAPER, BRISTOL BOARD, CARDBOARD, AND THIN PAPERS USED FOR MANIFOLD-COPY WORK.
Claims use since March 1920.

Reg. No. 176,406. Registered Nov. 27, 1923. THE J. W. BUTLER PAPER CO., Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

PARAMOUNT

FOR WRAPPING PAPER, MANILA PAPER, ENVELOPES, PRINT BOOK COVER, AND DOCUMENT PAPERS.
Claims use since June 1919.

Reg. No. 177,978. Registered Jan. 1, 1924. THE J. W. BUTLER PAPER CO., Chicago, Ill. Republished by Butler Paper Corporations, Chicago, Ill., a corporation of Illinois.

XLO

FOR ENVELOPES AND PAPER FOR MAKING ENVELOPES.
Claims use since 1910.

Reg. No. 209,831. Registered Mar. 2, 1926. SAMUEL WARD MANUFACTURING CO., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

MY TRAVELS ABROAD

FOR MEMORANDA BOOKS.
Claims use since March 1925.

Reg. No. 229,652. Registered July 5, 1927. SAMUEL WARD MANUFACTURING CO., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

Day by Day

FOR DIARIES.
Claims use since 1917.

Reg. No. 269,854. Registered Apr. 22, 1930. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

RAINBOW

FOR LEAD PENCILS, RUBBER ERASERS, AND COLORED PENCILS.
Claims use since Sept. 11, 1919.

Reg. No. 288,075. Registered Oct. 20, 1931. BUTLER PAPER CORPORATIONS, Chicago, Ill., a corporation of Illinois. Republishsed by registrant.

BRIGADIER

FOR BOOK PAPER, COVER PAPER, DOCUMENT PAPER, BRISTOL, CARDBOARD, BOND PAPER, WRITING PAPER, LEDGER PAPER, AND PAPER INTENDED FOR THE MAKING OF ENVELOPES.
Claims use since June 30, 1926.

Reg. No. 301,233. Registered Feb. 21, 1933. THE MARTIN CANTINE COMPANY, Saugerties, N. Y., a corporation of New York. Republished by registrant.

MARKOTE

FOR CLAY COATED PAPER.
Claims use since July 1, 1932.

Reg. No. 307,230. Registered Oct. 17, 1933. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

E. F.

FOR LEAD PENCILS.
Claims use since June 1921.

Reg. No. 415,306. Registered Aug. 7, 1945. AMBERG FILE AND INDEX COMPANY, Kankakee, Ill., a corporation of Illinois. Republished by registrant.

Amcord

FOR FILE FOLDERS MADE OF PAPER.
Claims use since about September 1929.

Reg. No. 416,635. Registered Sept. 25, 1945. THE MARTIN CANTINE COMPANY, Saugerties, N. Y., a corporation of New York. Republished by registrant.

CANFOLD

FOR ENAMELED BOOK PAPER.
Claims use since 1915.

Reg. No. 418,867. Registered Jan. 15, 1946. THE MARTIN CANTINE COMPANY, Saugerties, N. Y., a corporation of New York. Republished by registrant.

ASHOKAN

FOR ENAMELED BOOK PAPER.
Claims use since 1906.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 91,534. Registered May 6, 1913. SAMUEL WARD COMPANY, Boston, Mass. Republished by Samuel Ward Manufacturing Co., Boston, Mass., a corporation of Massachusetts.

A Line A Day

FOR DIARIES.
Claims use since October 1892.

Reg. No. 148,172. Registered Nov. 8, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

DYESTUFFS

FOR A PERIODICAL ISSUED MONTHLY.
Claims use since January 1899.

Reg. No. 163,773. Registered Jan. 30, 1923. CARL D. NEWTON, doing business as The Fox Company, San Antonio, Tex. Republished by The Fox Company, San Antonio, Tex., a corporation of Texas.

Fox-Tone

FOR PHOTOPRINTS AND ENLARGEMENTS MADE ON GLOSSY PAPER.
Claims use since December 1920.

Reg. No. 228,050. Registered May 24, 1927. NATIONAL LIFE AND ACCIDENT INSURANCE COMPANY, Nashville, Tenn., a corporation of Tennessee. Republished by registrant.

Our Shield

The lining on the drawing is used to indicate shading only.
FOR HOUSE ORGAN.
Claims use since Dec. 7, 1926.

CLASS 39

CLOTHING

Reg. No. 113,505. Registered Oct. 17, 1916. GLOBE SHIRTS & OVERALL CO., Abingdon, Ill. Republished by Protexall, Inc., Galesburg, Ill., a corporation of Illinois.

PROTEXALL

The word "Protexall" is disclaimed apart from the mark as shown.
FOR OVERALLS.
Claims use since Aug. 1, 1915.

Reg. No. 129,329. Registered Feb. 17, 1920. BIBERMAN BROTHERS, Philadelphia, Pa. Republished by L'Aiglon Apparel, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

L'Aiglon

FOR WOMEN'S AND MISSES' WASHABLE DRESSES, NURSES' AND MAIDS' UNIFORM DRESSES, APRONS, AND WOMEN'S, MISSES' AND CHILDREN'S BATHROBES.
Claims use since about Jan. 17, 1919.

Reg. No. 149,114. Registered Dec. 6, 1921. HOOVER HOSIERY COMPANY, Concord, N. C., a corporation of North Carolina. Republished by registrant.

Hoover

FOR LADIES' AND MEN'S HOSIERY.
Claims use since October 1919.

Reg. No. 158,023. Registered Aug. 22, 1922. MICHAELS, STEARN & COMPANY, Rochester, N. Y. Republished by Michaels, Stearn & Company, Incorporated, Rochester, N. Y., a corporation of New York.



FOR MEN'S AND BOYS' SUITS AND OVERCOATS.
Claims use since April 1919.

Reg. No. 161,063. Registered Nov. 7, 1922. BIBERMAN BROTHERS, INC., Philadelphia, Pa. Republished by L'Aiglon Apparel, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

L'Aiglon

FOR CHILDREN'S DRESSES, MIDDY BLOUSES, SHIRT WAISTS, AND OUTER SKIRTS.
Claims use since Jan. 17, 1922.

Reg. No. 186,427. Registered July 8, 1924. FISHER MILLINERY COMPANY, New York, N. Y. Republishtd by Fisher Millinery Corporation, New York, N. Y., a corporation of New York.

Caprice

FOR LADIES' HATS.
Claims use since Jan. 14, 1924.

Reg. No. 186,925. Registered July 22, 1924. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

ANN AND ANDY

FOR HOSIERY.
Claims use since Jan. 10, 1924.

Reg. No. 188,066. Registered Aug. 19, 1924. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

CORT

The lining on the drawing is intended for shading and not for color.
FOR MEN'S HATS.
Claims use since Feb. 1, 1923.

Reg. No. 196,800. Registered Mar. 31, 1925. STYLEPARK HATS, INC., Philadelphia, Pa., a corpration of Pennsylvania. Republished by registrant.

Stylepark HATS "Crowns for Americas Elite" Philadelphia

The words "Hats" and "Philadelphia" are disclaimed apart from the mark as shown.
FOR MEN'S FELT HATS.
Claims use since on or about Mar. 15, 1924.

Reg. No. 198,156. Registered May 5, 1925. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

ROCKHAM

FOR COATS, VESTS, TROUSERS, OVERCOATS, AND RAINCOATS.
Claims use Nov. 1, 1924.

Reg. No. 204,239. Registered Oct. 13, 1925. BEAR BRAND HOSIERY CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

VACATION

FOR TEXTILE ARTICLES—NAMELY, HOSIERY.
Claims use since Apr. 28, 1925.

Reg. No. 219,852. Registered Oct. 26, 1926. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

YVONNE

FOR HOSIERY.
Claims use since May 1, 1926.

Reg. No. 220,311. Registered Nov. 9, 1926. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

The "DEBONAIR"

FOR MEN'S SUITS AND OVERCOATS.
Claims use since May 1, 1926.

Reg. No. 222,208. Registered Dec. 28, 1926. STAR KNITTING COMPANY, La Crosse, Wis., a corporation of Wisconsin. Republished by registrant.



The words "La Crosse, Wis.," "Brand," and "Star Knitting Co.," are disclaimed apart from the mark as shown.

FOR KNITTED INFANTS' MITTENS AND GLOVES, CHILDREN'S MITTENS AND GLOVES, MEN'S AND WOMEN'S MITTENS AND GLOVES, WRISTERS, FASCINATORS, LEGGINGS, BOYS' AND MEN'S SOCKS, INFANTS' HOSE, SCARFS FOR MEN, WOMEN, AND CHILDREN; CAPS AND SCARF SETS, KNITTED SHIRTS, ROMPER SUITS, INFANTS' SETS (LEGGINGS, CAPS, AND HEADPIECE), MUFFLERS, BOOTEES, HOODS; POLO CAPS FOR INFANTS, CHILDREN, MEN, AND WOMEN; INFANTS' CAPES, SACKS, STORM CAPS; SWEATERS FOR MEN, WOMEN, AND CHILDREN AND INFANTS; BATHING SUITS, AND KNITTED AND CROCHETED NOVELTIES.

Claims use since on or about March 1907.

Reg. No. 234,907. Registered Nov. 8, 1927. VOLUNTEER KNITTING MILLS, Chattanooga, Tenn. Republished by Brown Knitting Company, New York, N. Y., a corporation of New York.



FOR MEN'S AND CHILDREN'S KNITTED UNDERWEAR.

Claims use since May 15, 1920.

Reg. No. 234,990. Registered Nov. 8, 1927. FREDERICK LOESER & CO., INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

NARCISSE

FOR HOSIERY, FLAT AND KNIT UNDERWEAR IN ONE AND TWO PIECE GARMENTS FOR WOMEN AND CHILDREN, AND FABRIC AND SKIN GLOVES.

Claims use since about May 8, 1907.

Reg. No. 240,598. Registered Apr. 3, 1928. OPPENHEIM, COLLINS & CO. INC., New York, N. Y., and Cleveland, Ohio, a corporation of Delaware. Republished by registrant, present address New York, N. Y.



The words "Dress Shop" are disclaimed apart from the mark as shown.

FOR LADIES' AND MISSES' DRESSES.

Claims use since Oct. 15, 1927.

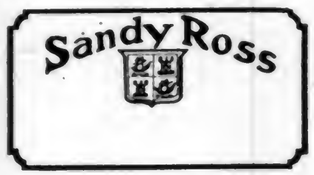
Reg. No. 256,132. Registered May 7, 1929. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.



FOR OUTER CLOTHING FOR MEN, YOUNG MEN, AND BOYS—NAMELY, COATS, VESTS, TROUSERS, AND OVERCOATS.

Claims use since Oct. 1, 1928.

Reg. No. 256,133. Registered May 7, 1929. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.



FOR OUTER CLOTHING FOR MEN, YOUNG MEN, AND BOYS—NAMELY, COATS, VESTS, TROUSERS, AND OVERCOATS.

Claims use since Oct. 1, 1928.

Reg. No. 256,182. Registered May 7, 1929. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.



FOR OUTER CLOTHING—NAMELY, COATS, VESTS, TROUSERS, AND OVERCOATS, FOR MEN, YOUNG MEN, AND BOYS.

Claims use since Oct. 1, 1928.

Reg. No. 256,183. Registered May 7, 1929. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Adrienne

FOR HOSIERY.

Claims use since Oct. 1, 1928.

Reg. No. 257,222. Registered June 4, 1929. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.



FOR OUTER CLOTHING FOR MEN, YOUNG MEN, AND BOYS—NAMELY, COATS, VESTS, TROUSERS, AND OVERCOATS.

Claims use since Oct. 1, 1928.

Reg. No. 260,051. Registered Aug. 13, 1929. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Petale

FOR HOSIERY.

Claims use since Jan. 1, 1927.

Reg. No. 260,208. Registered Aug. 20, 1929. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.



The word "Barrington" is disclaimed apart from the mark as shown.

FOR MEN'S HATS.

Claims use since October 1928.

Reg. No. 268,454. Registered Mar. 18, 1930. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

SIR GALAHAD

FOR BOYS' HOSIERY.

Claims use since May 1, 1929.

Reg. No. 269,360. Registered Apr. 1, 1930. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Ninon

FOR WOMEN'S HOSIERY.

Claims use since Feb. 1, 1929.

Reg. No. 269,480. Registered Apr. 8, 1930. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Colette

FOR HOSIERY.

Claims use since Oct. 1, 1928.

Reg. No. 269,636. Registered Apr. 15, 1930. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Demoiselle

FOR GIRLS' HOSIERY.

Claims use since June 1, 1929.

Reg. No. 273,303. Registered July 29, 1930. RICE-STIX DRY GOODS CO., St. Louis, Mo. Republished by Hoover Hosiery Company, Concord, N. C., a corporation of North Carolina.

TOWNWEAR

FOR WEARING APPAREL—NAMELY, LADIES' AND MISSES' CLOAKS, SUITS, AND DRESSES.

Claims use since Mar. 18, 1929.

Reg. No. 330,586. Registered Dec. 10, 1935. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio. Republished by L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland.

Grenadier

FOR MEN'S SUITS AND OVERCOATS.

Claims use since May 10, 1935.

Reg. No. 336,188. Registered June 30, 1936. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Argyle Worsted

The word "Worsted" is disclaimed apart from the mark as shown.

FOR TOP COATS, OVERCOATS, COATS, VESTS, TROUSERS AND KNICKERBOCKERS FOR MEN, YOUTHS AND BOYS.

Claims use since June 15, 1931.

Reg. No. 336,279. Registered June 30, 1936. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Sturdiknit Topper

The word "Topper" is disclaimed apart from the mark as shown.

FOR TOP COATS AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.

Claims use since June 14, 1935.

Reg. No. 350,761. Registered Oct. 5, 1937. BELLE KNITTING CORP., New York, N. Y. Republished by The McKay Products Corporation, Baltimore, Md., a corporation of Maryland.

Betty Busybody

FOR LADIES' AND CHILDREN'S KNITTED RAYON UNDERWEAR.

Claims use since Apr. 20, 1937.

Reg. No. 354,637. Registered Feb. 15, 1938. S. GINSBERG SONS, Baltimore, Md., a firm. Republished by registrant.

Bengalaire

FOR SUITS, COATS, VESTS, PANTS, OVERCOATS, AND TOPCOATS FOR MEN AND BOYS.

Claims use since Sept. 10, 1937.

Reg. No. 355,126. Registered Mar. 8, 1938. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Marona

FOR CORSETS.

Claims use since July 1, 1917.

Reg. No. 355,603. Registered Mar. 22, 1938. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

DARWOOD

FOR MEN'S DRESS, NEGLIGEE, AND SPORTS SHIRTS.

Claims use since June 1, 1937.

Reg. No. 360,845. Registered Sept. 27, 1938. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

ROCKHAM
STURDILITE

FOR MEN'S SUITS, TOPCOATS, AND OVERCOATS.

Claims use since Sept. 1, 1937.

Reg. No. 361,195. Registered Oct. 11, 1938. STYLEPARK HATS, INC., Camden, N. J., a corporation of Pennsylvania. Republished by registrant.

GIPSY

FOR MEN'S AND BOYS' HATS OF FELT, STRAW, AND STRAW BRAID, CLOTH CAPS, MEN'S SILK HATS, AND FELT AND STRAW HATS FOR WOMEN AND CHILDREN.

Claims use since May 1932.

Reg. No. 363,445. Registered Dec. 27, 1938. BLUE SWAN MILLS INC., New York, N. Y. Republished by The McKay Products Corporation, Baltimore, Md., a corporation of Maryland.

Wear Abouts

The word "Wear" is disclaimed apart from the mark as shown.

FOR LADIES' UNDERWEAR, SUCH AS BLOOMERS, PANTIES, STEPINS, GOWNS, SLIPS, PAJAMAS.

Claims use since Apr. 4, 1938.

Reg. No. 363,446. Registered Dec. 27, 1938. NEW PROCESS COMPANY, Warren, Pa., a corporation of Delaware. Republished by registrant.

DUREGHAN

FOR MEN'S OUTER GARMENTS—NAMELY, TOPCOATS.

Claims use since on or about Feb. 22, 1938.

Reg. No. 363,975. Registered Jan. 17, 1939. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

JLH CO HUDSON'S Style Crest

The word "Style" is disclaimed apart from the mark as shown.

FOR SHOES MADE OF LEATHER, AND LEATHER AND FABRIC COMBINATIONS.

Claims use since Apr. 1, 1937.

Reg. No. 364,037. Registered Jan. 17, 1939. STYLEPARK HATS, INC., Camden, N. J., a corporation of Pennsylvania. Republished by registrant.

Stylepark KNUBBY

The word "Knubby" is disclaimed apart from the mark as shown.

FOR MEN'S AND BOYS' HATS.

Claims use since Mar. 7, 1938.

Reg. No. 365,111. Registered Feb. 21, 1939. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

The Doubliner

FOR MEN'S AND YOUNG MEN'S TOPCOATS AND OVERCOATS.

Claims use since June 1938.

Reg. No. 365,351. Registered Mar. 7, 1939. WIZARD LIGHTFOOT APPLIANCE CO., St. Louis, Mo. Republished by Trimfoot Company, Farmington, Mo., a corporation of Missouri.

BABY DEER SHOES A TRIMFOOT PRODUCT

The words "Shoes" and "Product" are disclaimed apart from the mark as shown.

FOR INFANTS' SHOES.

Claims use since June 8, 1938.

Reg. No. 369,591. Registered Aug. 1, 1939. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Fellow Fashions

The word "Fashions" is disclaimed apart from the mark as shown.

FOR MEN'S SUITS, TOPCOATS, OVERCOATS, RAINCOATS, COATS, VESTS, AND TROUSERS.

Claims use since Nov. 18, 1938.

Reg. No. 371,262. Registered Sept. 19, 1939. STYLEPARK HATS, INC., Camden, N. J., a corporation of Pennsylvania. Republished by registrant.

Dulcedo

FOR MEN'S, BOYS', AND WOMEN'S HATS.

Claims use since 1933.

Reg. No. 371,382. Registered Sept. 26, 1939. BELLE KNITTING CORP., New York, N. Y. Republished by The McKay Products Corporation, Baltimore, Md., a corporation of Maryland.

5¢ Accordion Puffs -S-

The words "Accordion Puffs" are disclaimed apart from the mark as shown.

FOR LADIES' AND CHILDREN'S UNDERWEAR—NAMELY, PANTIES, BLOOMERS, STEPINS, CHEMISES, AND SLIPS.

Claims use since May 25, 1938.

Reg. No. 372,011. Registered Oct. 17, 1939. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Zephyr Clothes
THE J. L. HUDSON CO.
DETROIT, U.S.A.

The words "Zephyr Clothes" and "Detroit, U. S. A." are disclaimed apart from the mark as shown.
FOR MEN'S SUITS.
Claims use since September 1927.

Reg. No. 373,291. Registered Feb. 13, 1940. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

WINTER KING
Fleece

The word "Fleece" is disclaimed apart from the mark as shown.
FOR MEN'S OVERCOATS.
Claims use since July 1, 1939.

Reg. No. 384,856. Registered Feb. 4, 1941. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Vacationaire

FOR WOMEN'S AND MISSES' SPRING AND SUMMER COATS.
Claims use since May 19, 1940.

Reg. No. 385,016. Registered Feb. 11, 1941. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

HUDSON'S
Shower Circle
COATS

The word "Coats" is disclaimed apart from the mark as shown.
FOR MISSES' AND WOMEN'S RAINCOATS.
Claims use since Apr. 1, 1940.

Reg. No. 386,769. Registered Apr. 22, 1941. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

BURWIN

FOR MEN'S DRESS, NEGLIGEE, AND SPORT SHIRTS.
Claims use since Nov. 1, 1940.

Reg. No. 392,819. Registered Jan. 13, 1942. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Adrienne

FOR WOMEN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since July 1, 1941.

Reg. No. 395,245. Registered May 19, 1942. A. B. HAMMETT, INC., Los Angeles, Calif. Republished by Roy J. Meeker, Los Angeles, Calif.

Damsel CREATIONS of HOLLYWOOD

The words "Creations of Hollywood" are disclaimed apart from the mark as shown.
FOR WOMEN'S, MISSES', AND CHILDREN'S GIRDLES, PANTY GIRDLES, CORSETS, BRASSIÈRES; LINGERIE—NAMELY, PANTIES, SLIPS, GOWNS, PAJAMAS, NEGLIGEES, AND CHEMISES; SPORTS WEAR—NAMELY, SHORTS, SLACKS, SKIRTS, SPORT SKIRTS, BLOUSES, AND PAJAMAS; AND SWIMMING SUITS AND TRUNKS.
Claims use since July 10, 1938.

Reg. No. 402,683. Registered Aug. 10, 1943. TRIMFOOT COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant, present address Farmington, Mo.

Trimfoot
CUDDLE-BACK HEEL CONSTRUCTION

The words "Back" and "Heel Construction" are disclaimed apart from the mark as shown.
FOR INFANTS' AND CHILDREN'S HIGH SHOES MADE OF LEATHER AND FABRIC, AND COMBINATIONS OF THE SAME.
Claims use since Jan. 10, 1941.

Reg. No. 407,260. Registered May 23, 1944. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

KENMOOR

FOR MEN'S AND YOUNG MEN'S OUTER CLOTHING—NAMELY, SUITS AND OVERCOATS.
Claims use since Sept. 20, 1922.

Reg. No. 407,482. Registered June 6, 1944. ROY J. MEEKER, Los Angeles, Calif. Republished by registrant.

"Damsel" Creations from HOLLYWOOD
Where Figures are Fortunes

The words "Creations from Hollywood" and "Where Figures are Fortunes" are disclaimed apart from the mark as shown.
FOR WOMEN'S, MISSES, AND CHILDREN'S GIRDLES, PANTY GIRDLES, CORSETS, BRASSIÈRES; LINGERIE—NAMELY, PANTIES, SLIPS, GOWNS, PAJAMAS, NEGLIGEES, AND CHEMISES; SPORTS WEAR—NAMELY, SHORTS, SLACKS, SKIRTS, SPORT SHIRTS, BLOUSES, AND PAJAMAS; AND SWIMMING SUITS AND TRUNKS.
Claims use since July 1, 1938.

Reg. No. 411,969. Registered Feb. 13, 1945. BEAU BRUMMELL TIES, INC., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.



FOR NECKTIES.
Claims use since about June 8, 1933.

Reg. No. 412,181. Registered Feb. 20, 1945. THE AUERBACH BATH ROBE COMPANY, New York, N. Y. Republished by Auerbach Bath Robe, Corp., New York, N. Y., a corporation of New York.

"LUXUROBE"

FOR BATH AND LOUNGING ROBES.
Claims use since March 1944.

Reg. No. 414,879. Registered July 3, 1945. S. GINSBERG SONS, Baltimore, Md., a firm. Republished by registrant.

"STRATACOOL"

FOR MEN'S SUITS.
Claims use since Feb. 1, 1943.

Reg. No. 415,393. Registered Aug. 7, 1945. STYLEPARK HATS, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Stylepark Hats

The words "Hats" is disclaimed apart from the mark as shown.
FOR WOMEN'S HATS.
Claims use since January 1936.

Reg. No. 424,294. Registered Oct. 1, 1946. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie and New York, N. Y., now by change of name to Stardust Incorporated. Republished by Stardust, Incorporated, New York, N. Y., a corporation of New York.

720

FOR LADIES' AND MISSES' BLOUSES.
Claims use since June 16

Reg. No. 424,760. Registered Oct. 22, 1946. PRINCESS PEGGY, INC., Peoria, Ill., a corporation of Illinois. Republished by registrant.



FOR READY-TO-WEAR COTTON DRESSES FOR THE USE OF WOMEN, MISSES, AND GIRLS.
Claims use since about Mar. 1, 1943.

Reg. No. 427,149. Registered Jan. 28, 1947. LOWELL LINGERIE COMPANY, Lowell, Mass., a corporation of Massachusetts. Republished by registrant.



The pictorial representation is disclaimed apart from the mark as shown.
FOR SLIPS FOR WOMEN, MISSES, AND GIRLS.
Claims use since Mar. 22, 1946.

Reg. No. 429,840. Registered May 20, 1947. AUERBACH BATH ROBE CORP., New York, N. Y., a corporation of New York. Republished by registrant.

Bather

FOR BATH AND LOUNGING ROBES.
Claims use since Apr. 14, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 235,089. Registered Nov. 8, 1927. THE FRAMPTON COMPANY, Newark, N. J., and New York, N. Y. Republished by Royal Society, Inc., New York, N. Y., a corporation of New Jersey.

CAMEO

FOR MATERIAL OR FABRIC STAMPED FOR ART EMBROIDERY.
Claims use since Jan. 10, 1927.

Reg. No. 429,350. Registered Apr. 29, 1947. AMERICAN GLOSSITE CO., Incorporated, New York, N. Y., a corporation of New York. Republished by registrant, present address Putnam, Conn.

SANS SOUCI

FOR MILLINERY BRAIDS.
Claims use since Apr. 26, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 143,331. Registered May 31, 1921. ERWIN COTTON MILLS COMPANY, West Durham, N. C., a corporation of North Carolina. Republished by registrant, present address Durham, N. C.

ERWIN

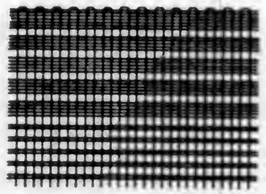
FOR SHEETS AND PILLOW CASES, AND COTTON GOODS IN THE PIECE.
Claims use since 1890.

Reg. No. 152,164. Registered Feb. 21, 1922. ERWIN COTTON MILLS COMPANY, West Durham, N. C., a corporation of North Carolina. Republished by registrant, present address Durham, N. C.

WHITE STAR

FOR SHEETS AND PILLOW CASES AND COTTON GOODS IN THE PIECE.
Claims use since June 5, 1911.

Reg. No. 236,125. Registered Dec. 6, 1927. FAIRCLOUGH & GOLD, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.



The representation of the goods is disclaimed apart from the mark as shown.
FOR MARQUISETTE FOR CURTAINS, CASEMENT CLOTH FOR DRAPERIES, AND GAUZE FOR CURTAINS.
Claims use since on or about Dec. 1, 1922.

Reg. No. 353,858. Registered Jan. 18, 1938. BELLE KNITTING CORP., New York, N. Y. Republished by The McKay Products Corporation, Baltimore, Md., a corporation of Maryland.

SWAN-TONE

FOR KNITTED RAYON IN THE PIECE FOR UNDERWEAR.
Claims use since June 17, 1937.

Reg. No. 363,306. Registered Dec. 20, 1938. NEW PROCESS COMPANY, Warren, Pa., a corporation of Delaware. Republished by registrant.

DUREGHAN

FOR WOOLEN PIECE GOODS, PARTICULARLY THE FABRIC FROM WHICH MEN'S OUTER GARMENTS, INCLUDING TOPCOATS, ARE MADE.
Claims use since on or about Mar. 24, 1938.

Reg. No. 373,069. Registered Nov. 21, 1939. WILLIAM HOLLINS & COMPANY, INC., Forestdale, R. I., and New York, N. Y., a corporation of New York. Republished by registrant.

GLENELLA

FOR PIECE GOODS COMPOSED WHOLLY OR IN PART OF WOOL.
Claims use since June 14, 1939.

Reg. No. 399,932. Registered Feb. 9, 1943. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio, a corporation of Ohio. Republished by registrant.

AERO-TEX

FOR WOVEN TEXTILE FABRIC IN THE PIECE PROCESSED TO MAKE IT WATER REPELLENT AND FREE FROM SURFACE COARSENESS AND ADAPTED FOR COVERING THE WINGS AND FUSELAGE OF AIRPLANES.
Claims use since June 27, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 136,456. Registered Nov. 2, 1920. THE HENKEL-CLAUSS CO., Fremont, Ohio, a corporation of Ohio. Republished by registrant.

Clauss

FOR MANICURE, PEDICURE, AND SURGICAL IMPLEMENTS.
Claims use since about 1889.

Reg. No. 265,304. Registered Dec. 24, 1929. WIZARD LIGHTFOOT APPLIANCE COMPANY, doing business as Tru Foot Company, St. Louis, Mo. Republished by Trimfoot Company, Farmington, Mo., a corporation of Missouri.

TRU FOOT

FOR CORRECTIVE FOOT APPLIANCES—NAMELY, CORN PADS AND CALLOUS PADS, BUNION PADS, HEEL LINERS, ARCH SUPPORTS, HEEL STRAIGHTENERS, CALLOUS RELIEVERS, HEEL CUSHIONS, AND BUNION PROTECTORS.
Claims use since June 10, 1929.

Reg. No. 300,788. Registered Feb. 7, 1933. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

SPONGEX

FOR SPONGE RUBBER. MEDICAL SPONGE RUBBER, AND RUBBER SPONGES.
Claims use since on or about Feb. 11, 1932.

Reg. No. 331,421. Registered Jan. 7, 1936. THE HENKEL-CLAUSS COMPANY, Fremont, Ohio, a corporation of Ohio. Republished by registrant.

TRADE HENCO MARK

The words "Trade-Mark" are disclaimed apart from the mark as shown.
FOR CUTICLE SCISSORS, MANICURE IMPLEMENTS, NAIL FILES, AND TWEEZERS.
Claims use since May 10, 1935.

Reg. No. 344,415. Registered Mar. 23, 1937. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

WHITE STAR

FOR DENTAL PLASTER PARIS.
Claims use since 1909.

Reg. No. 372,685. Registered Nov. 7, 1939. THE HENKEL-CLAUSS COMPANY, Fremont, Ohio, a corporation of Ohio. Republished by registrant.

ACCENT

FOR MANICURE KITS IN THE FORM OF A CASE CONTAINING NAIL FILES, TWEEZERS, CUTICLE SCISSORS, NAIL SCISSORS, METAL PICK AND PUSHER, METAL PICK AND COMEDONE, CUTICLE KNIFE, CUTICLE PUSHER, COMEDONE, BLACKHEAD REMOVER, SANDBOARD, ORANGEWOOD STICK, CLEANERS, EARSPOON, HOOFSTICK, COTTON ROLLS, NAIL WHITE PENCIL, NIPPER, FINGER NAIL BUFFER, FINGER NAIL POLISH, POLISH REMOVER, AND CUTICLE REMOVER.
Claims use since Mar. 28, 1939.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 220,932. Registered Nov. 16, 1926. GREAT BEAR SPRING COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.



The words "Spring Water" are disclaimed apart from the mark as shown.
FOR TABLE WATER.
Claims use since about 1915.

Reg. No. 226,470. Registered Apr. 12, 1927. GREAT BEAR SPRING COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.



FOR GINGER ALE.
Claims use since Oct. 30, 1926.

Reg. No. 262,858. Registered Oct. 29, 1929. JACKSON BREWING COMPANY, New Orleans, La., a corporation of Louisiana. Republished by registrant.

TANGEE

FOR NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES AND SYRUPS FOR MAKING THE SAME.
Claims use since Nov. 16, 1928.

Reg. No. 356,130. Registered Apr. 12, 1938. SAFEWAY STORES, INCORPORATED, doing business as General Food Products Co., Reno, Nev., and Vernon, Calif. Republished by Beverage Distributors, Inc., San Francisco, Calif., a corporation of California.

merry mix

The word "Mix" is disclaimed apart from the mark as shown.
FOR CARBONATED WATER.
Claims use since Feb. 9, 1937.

Reg. No. 368,369. Registered June 13, 1939. SAFEWAY STORES, INC., Vernon and Oakland, Calif. Republished by Beverage Distributors, Inc., San Francisco, Calif., a corporation of California.

SNOWY PEAK

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Mar. 24, 1937.

Reg. No. 385,219. Registered Feb. 18, 1941. SAFEWAY STORES, INC., doing business as General Food Products Co., Oakland, Calif. Republished by Beverage Distributors, Inc., San Francisco, Calif., a corporation of California.

Cragmont

FOR NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Apr. 27, 1937.

Reg. No. 398,834. Registered Nov. 24, 1942. SAFEWAY STORES, INC., OF NEVADA, doing business as Table Products Co., Reno, Nev., and Oakland, Calif. Republished by Beverage Distributors, Inc., San Francisco, Calif., a corporation of California.

SILVER SIERRA

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND MIXERS.
Claims use since June 1937.

Reg. No. 403,958. Registered Oct. 26, 1943. THE CASA PRIMA CITRUS COMPANY, San Francisco, Calif., a firm. Republished by registrant.

Casa Prima

FOR FRUIT CONCENTRATE TO BE MIXED WITH PURE WATER, WHICH IS USED AS A BASE FOR MAKING MIXED DRINKS, SUCH AS COCKTAILS AND OTHER ALCOHOLIC AND NONALCOHOLIC MIXTURES.
Claims use since Feb. 27, 1943.

Reg. No. 417,236. Registered Oct. 16, 1945. BEVERAGE DISTRIBUTORS, INC., San Francisco, Calif., a corporation of California. Republished by registrant.

Ski Club

FOR GINGER ALE.
Claims use since Nov. 14, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 70,379. Registered Aug. 23, 1908. ELLEN G. KIDD, Richmond, Va. Republished by Pin Money Brands, Incorporated, Richmond, Va., a corporation of Virginia.

Pin Money

FOR PICKLES.
Claims use since 1889.

Reg. No. 82,980. Registered Aug. 8, 1911. HAWK FISH COMPANY, Seattle, Wash. Republished by P. E. Harris & Co., Seattle, Wash., a corporation of Washington.

Double Q

FOR CANNED SALMON.
Claims use since Mar. 8, 1911.

Reg. No. 83,499. Registered Sept. 19, 1911. THE KING MILLING CO., Lowell, Mich., a corporation of Michigan. Republished by registrant.

SINCERITY

FOR WHEAT FLOUR.
Claims use since about Apr. 1, 1911.

Reg. No. 84,618. Registered Dec. 26, 1911. R. E. FUNSTEN DRIED FRUIT & NUT CO., St. Louis, Mo. Republishd by R. E. Funsten Company, St. Louis, Mo., a corporation of Missouri.

FUNSTEN

FOR FRESH CRACKED PECANS.
Claims use since about July 1, 1894.

Reg. No. 84,974. Registered Jan. 16, 1912. THE KING MILLING CO., Lowell, Mich., a corporation of Michigan. Republishsed by registrant.

PATHFINDER

FOR WHEAT FLOUR.
Claims use since about Apr. 1, 1911.

Reg. No. 85,746. Registered Mar. 12, 1912. HAWK FISH COMPANY, Seattle, Wash. Republished by P. E. Harris & Co., Seattle, Wash., a corporation of Washington.

FISH HAWK

FOR CANNED SALMON.
Claims use since Oct. 21, 1911.

Reg. No. 104,119. Registered May 4, 1915. HAWK FISH COMPANY, Seattle, Wash. Republished by P. E. Harris & Co., Seattle, Wash., a corporation of Washington.

Seakist

FOR CANNED SALMON.
Claims use since Jan. 2, 1914.

Reg. No. 111,456. Registered July 18, 1916. HAAS BROTHERS, San Francisco, Calif., a corporation of California. Republished by registrant.

H•B

FOR CANNED PEACHES, CANNED CORN, CANNED BEANS, BIRD FOOD, CANNED CRABS, CANNED TUNA FISH, CANNED LOBSTER, CANNED SARDINES, QUEEN OLIVES, RIPE OLIVES, TOMATO CATSUP, JELLY, PRESERVES, OLIVE OIL, CANNED SALMON, VINEGAR, CURRANTS, RAISINS, PEARL TAPIOCA, POP CORN, CANNED SYRUP FOR FOOD PURPOSES, CANNED PUMPKINS, CANNED SAUER KRAUT, DILL PICKLES, MUSTARD, HEAD RICE, CANNED TOMATOES, CANNED HOMINY, CANNED CLAMS, AND CANNED LENTILS, CANNED LIMA BEANS.
Claims use since 1904.

Reg. No. 114,183. Registered Dec. 5, 1916. GEO. W. SANBORN & SONS, Astoria, Oreg. Republished by P. B. Harris & Co., Seattle, Wash., a corporation of Washington.

REDSKIN

FOR CANNED SALMON.
Claims use since Mar. 29, 1916.

Reg. No. 114,742. Registered Jan. 2, 1917. R. E. FUNSTEN DRIED FRUIT & NUT CO., St. Louis, Mo. Republished by R. E. Funsten Company, St. Louis, Mo., a corporation of Missouri.

KING-TOPPER

FOR NUT MEATS.
Claims use since Jan. 31, 1913.

Reg. No. 115,936. Registered Mar. 27, 1917. THE J. S. BROWN MERC. CO., Denver, Colo. Republished by Paul M. Cooter, doing business as The Cooter Company, Chicago, Ill.

JONQUIL

FOR CANNED TOMATOES, CANNED SALMON, CANNED REFUGEE BEANS, CANNED PEAS, CANNED WAX BEANS, CANNED HOMINY, CANNED PUMPKIN, CANNED SAUER KRAUT, CANNED CORN, CANNED SWEET POTATOES, CANNED KIDNEY BEANS, AND CANNED PICKLES.
Claims use since 1916.

Reg. No. 118,463. Registered Sept. 11, 1917. CAPITAL CITY DAIRY COMPANY, Columbus, Ohio. Republished by The Capital City Products Company, Columbus, Ohio, a corporation of Delaware.

C.C. PRIDE

FOR OLEOMARGARINE.
Claims use since some time in the year 1887.

Reg. No. 121,786. Registered May 28, 1918. KELLOGG PRODUCTS INC., Buffalo, N. Y. Republished by The Capital City Products Company, Columbus, Ohio., a corporation of Delaware.

Kingnut

FOR NUT BUTTER AND MARGARINE, COOKING FATS, SALAD OILS.
Claims use since Sept. 8, 1917.

Reg. No. 137,837. Registered Dec. 7, 1920. WM. J. MOZLEY, INC., Chicago, Ill. Republished by The Capital City Products Company, Columbus, Ohio, a corporation of Delaware.

DIXIE

FOR OLEOMARGARINE.
Claims use since Jan. 1, 1912.

Reg. No. 141,058. Registered Apr. 5, 1921. THLINKET PACKING CORPORATION, Portland, Oreg. Republished by P. E. Harris & Co., Seattle, Wash., a corporation of Washington.

BUSTER BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR CANNED FISH.
Claims use since June 25, 1907.

Reg. No. 173,089. Registered Sept. 18, 1923. BARRON-GRAY PACKING COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

GREY-BARON

FOR CANNED FRUITS.
Claims use since Jan. 27, 1923.

Reg. No. 173,130. Registered Sept. 18, 1923. BARRON-GRAY PACKING COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

TOYON

FOR CANNED FRUITS.
Claims use since Jan. 27, 1923.

Reg. No 173,931. Registered Oct. 2, 1923. BARRON-GRAY PACKING COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

SANTAVALLEY

FOR CANNED FRUITS.
Claims use since Jan. 27, 1923.

Reg. No. 188,164. Registered Aug. 19, 1924. HAAS BROTHERS, San Francisco, Calif., a corporation of California. Republished by registrant.

LUXUS

FOR CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH.
Claims use since December 1909.

Reg. No. 195,407. Registered Feb. 24, 1925. HAAS BROTHERS, San Francisco, Calif., a corporation of California. Republished by registrant.

DietpaK

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since Sept. 2, 1924.

Reg. No. 197,201. Registered Apr. 14, 1925. WM. J. WISCHMANN, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

XXX

FOR CHEWING GUM.
Claims use since Sept. 30, 1902.

Reg. No. 203,048. Registered Sept. 8, 1925. MINER-HILLARD MILLING COMPANY, Wilkes-Barre, Pa., a corporation of Pennsylvania. Republished by registrant.

M-H FEATHER FLAKES

FOR BREAKFAST FOOD.
Claims use since May 1924.

Reg. No. 205,174. Registered Nov. 3, 1925. JAQUES MANUFACTURING COMPANY, Chicago, Ill., a corporation of Maine. Republished by registrant.

25 OUNCES FOR 25¢ BAKING POWDER

FOR BAKING POWDER.
Claims use since July 1890.

Reg. No. 205,177. Registered Nov. 3, 1925. JAQUES MANUFACTURING COMPANY, Chicago, Ill., a corporation of Maine. Republished by registrant.

K C

BAKING POWDER

FOR BAKING POWDER.
Claims use since July 1890.

Reg. No. 205,176. Registered Nov. 3, 1925. JAQUES MANUFACTURING COMPANY, Chicago, Ill., a corporation of Maine. Republished by registrant.

K C 25 OUNCES FOR 25¢ BAKING POWDER

FOR BAKING POWDER.
Claims use since July 1890.

Reg. No. 211,430. Registered Apr. 13, 1926. THE PARK & POLLARD COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address Buffalo, N. Y.

MILK MAID

FOR CATTLE FEED.
Claims use since Aug. 1, 1925.

Reg. No. 213,100. Registered May 18, 1926. ALASKA CONSOLIDATED CANNERIES, INC., Seattle, Wash. Republished by P. E. Harris & Co., Seattle, Wash., a corporation of Washington.

VICTOR

FOR CANNED SALMON.
Claims use since 1889.

Reg. No. 218,465. Registered Sept. 28, 1926. P. E. HARRIS & CO., Seattle, Wash., a corporation of Washington. Republished by registrant.

DOUBLE Q

FOR CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH.
Claims use since Mar. 8, 1911.

Reg. No. 221,869. Registered Dec. 14, 1926. EDWARD W. DRONDOSKI, doing business as Manhan Potato Chip Co., Easthampton, Mass. Republished by Manhan Potato Chip Co., Inc., Northampton, Mass., a corporation of Massachusetts.

MANHAN

The word "Manhan" and the tips of the feathers in the Indian's headdress are lined for the color red.
FOR POTATO CHIPS.
Claims use since Oct. 10, 1921.

Reg. No. 238,721. Registered Feb. 14, 1928. PALMER CANDY CO., Sioux City, Iowa. Republishsed by William B. Palmer, Jr., co-trustee of the estate of W. B. Palmer, deceased, doing business as Palmer Candy Company, Sioux City, Iowa.

Invitation

FOR CANDY.
Claims use since Feb. 1, 1920.

Reg. No. 252,538. Registered Feb. 12, 1929. JACKSON BREWING COMPANY, New Orleans, La., a corporation of Louisiana. Republished by registrant.

SABANA

FOR MALT SYRUP.
Claims use since May 1, 1928.

Reg. No. 254,812. Registered Apr. 2, 1929. OLYMPIA CANNING COMPANY, Olympia, Wash., a corporation of Washington. Republished by registrant.

TRUE MARK

The word "Mark" is disclaimed apart from the mark as shown.
FOR CANNED FRUITS AND VEGETABLES.
Claims use since July 1923.

Reg. No. 255,737. Registered Apr. 30, 1929. P. E. HARRIS & CO., Seattle, Wash., a corporation of Washington. Republished by registrant.

Double "Q"

QUALITY QUANTITY

The words "Quality Quantity" are disclaimed apart from the mark as shown.
FOR CANNED FISH.
Claims use since 1911.

Reg. No. 256,682. Registered May 21, 1929. PERFECTION BISCUIT COMPANY, Fort Wayne, Ind., a corporation of Indiana. Republished by registrant.

PW

FOR CRACKERS.
Claims use since September 1901.

Reg. No. 260,939. Registered Sept. 3, 1929. SEEMAN BROTHERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

KERNELETTES

The lining is merely for shading purposes only.
FOR CANNED CORN.
Claims use since Jan. 31, 1929.

Reg. No. 261,362. Registered Sept. 17, 1929. OLYMPIA CANNING COMPANY, Olympia, Wash., a corporation of Washington. Republished by registrant.

WELLWORTH

FOR CANNED VEGETABLES.
Claims use since May 1918.

Reg. No. 265,147. Registered Dec. 17, 1929. WESTERN OREGON PACKING CORPORATION, Corvallis, Oreg., a corporation of Oregon. Republished by registrant.

HEART of the VALLEY

FOR CANNED BERRIES, CANNED FRUITS, AND CANNED VEGETABLES.
Claims use since May 13, 1929.

Reg. No. 265,927. Registered Jan. 7, 1930. SUTTER PACKING COMPANY, Mayfield, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

Taste Tells

FOR CANNED FRUITS.
Claims use since Aug. 15, 1928.

Reg. No. 268,805. Registered Mar. 18, 1930. MCGOVERN & MCGOVERN, Seattle, Wash. Republished by Monitor Fisheries, Inc., Seattle, Wash., a corporation of Washington.

DIXIE BELLE

FOR CANNED FISH.
Claims use since Sept. 15, 1929.

Reg. No. 269,286. Registered Apr. 1, 1930. SUTTER PACKING COMPANY, Mayfield, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

Halves o'Gold

The word "Halves" is disclaimed apart from the mark as shown.
FOR CANNED FRUITS.
Claims use since July 19, 1928.

Reg. No. 271,350. Registered June 3, 1930. SOUTHERN FRUIT DISTRIBUTORS, INC., Orlando, Fla., a corporation of Florida. Republished by registrant.



FOR FRESH CITRUS FRUITS.
Claims use since November 1906.

Reg. No. 272,999. Registered July 15, 1930. WURM BROTHERS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

My Preference

FOR CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH, DRIED FRUIT; MUSTARD, VEGETABLE RELISH, PICKLES, CHILI SAUCE, CATSUP, SPICES, SALTED NUTS, NUTS IN THEIR NATURAL STATE, AND FRUIT PRESERVES.
Claims use since Dec. 2, 1929.

Reg. No. 277,582. Registered Nov. 18, 1930. HARRY H. BRAKELEY, JR., doing business as The Brakeley Canning Company, Bordentown, N. J. Republished by registrant.

Little Darling

FOR CANNED VEGETABLES.
Claims use since 1903.

Reg. No. 278,647. Registered Dec. 23, 1930. JELL-WELL DESSERT COMPANY, Los Angeles, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

Jiffy-Lou

FOR FOOD PRODUCTS—NAMELY, A DESSERT CONTAINING CORN STARCH, SUGAR, AND SUITABLE FLAVORING MATERIAL.
Claims use since about Mar. 15, 1930.

Reg. No. 279,294. Registered Jan. 13, 1931. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio., a corporation of Delaware. Republished by registrant.

B B S

FOR PARTIALLY HYDROGENATED COTTONSEED OIL IN CANS AND BARRELS.
Claims use since Nov. 29, 1927.

Reg. No. 280,816. Registered Mar. 3, 1931. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio., a corporation of Delaware. Republished by registrant.

PLASTEX

FOR REFINED VEGETABLE OIL HYDROGENATED TO VARIOUS MELTING POINTS IN CANS AND BARRELS.
Claims use since Apr. 10, 1930.

Reg. No. 280,932. Registered Mar. 3, 1931. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio., a corporation of Delaware. Republished by registrant.

GOLDEN BLOOM

FOR YELLOW COTTONSEED OIL FOR COOKING PURPOSES IN CANS AND BARRELS.
Claims use since Jan. 19, 1929.

Reg. No. 282,056. Registered Apr. 7, 1931. OREGON NUT GROWERS, INC., Newberg, Oreg. Republished by Oregon Nut Growers, Inc. (1940), Newberg, Oreg., a corporation of Oregon.

Blue Pirate

FOR WALNUTS AND FILBERTS IN THEIR NATURAL STATE.
Claims use since September 1930.

Reg. No. 282,855. Registered May 5, 1931. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio., a corporation of Delaware. Republished by registrant.

DRI-TEX

FOR POWDERED HIGH-MELTING-POINT VEGETABLE-OIL STEARINE IN CANS AND BARRELS USED IN CONFECTIONS AND COATINGS AS A PREVENTIVE OF LIQUEFACTION OF OTHER FATS AT HIGH TEMPERATURE AND INTENDED TO PRODUCE A DRY TEXTURE IN THE MATERIALS IN WHICH IT IS USED.
Claims use since June 1, 1930.

Reg. No. 289,596. Registered Dec. 1, 1931. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio., a corporation of Delaware. Republished by registrant.

HYDRO-KOTE

The word "Kote" is disclaimed apart from the mark as shown.
FOR PRESSED AND HYDROGENIZED PALM KERNEL OR COCOANUT OIL TO WHICH IS ADDED VARIED PERCENTAGES OF HARDENED VEGETABLE OIL TO PRODUCE A VEGETABLE HARD BUTTER FOR THE MANUFACTURE OF COATINGS FOR CANDIES, CAKES, BISCUITS, AND OTHER FOOD PRODUCTS IN CANS AND BARRELS.
Claims use since Mar. 1 1931.

Reg. No. 294,117. Registered May 17, 1932. SOUTHERN FRUIT DISTRIBUTORS, INC., Orlando, Fla., a corporation of Florida. Republished by registrant.

BLUE BIRD



FOR FRESH CITRUS FRUITS AND FRESH TOMATOES.
Claims use since November 1909.

Reg. No. 297,070. Registered Aug. 30, 1932. JAQUES MANUFACTURING COMPANY, Chicago, Ill., a corporation of Maine. Republished by registrant.

GOLD LABEL



FOR BAKING POWDER.
Claims use since June 6, 1905.

Reg. No. 304,818. Registered July 18, 1933. CANOGA CITRUS ASSOCIATION, Canoga Park, Calif., a corporation of California. Republished by registrant.

MEXICANA



FOR FRESH CITRUS FRUITS.
Claims use since Mar. 30, 1932.

Reg. No. 304,832. Registered July 18, 1933. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio., a corporation of Delaware. Republished by registrant.

MAFALDA

FOR REFINED PURE VEGETABLE OIL, USED FOR SALADS AND COOKING AND MAYONNAISE PURPOSES IN CANS AND BARRELS.
Claims use since Sept. 1, 1932.

Reg. No. 307,056. Registered Oct. 10, 1933. DWIGHT EDWARDS COMPANY, San Francisco, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

NOB HILL



FOR COFFEE.
Claims use since Oct. 5, 1932.

Reg. No. 307,815. Registered Nov. 7, 1933. DWIGHT EDWARDS COMPANY, San Francisco, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

AIRWAY

FOR COFFEE.
Claims use since Dec. 16, 1927.

Reg. No. 308,629. Registered Dec. 12, 1933. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio, a corporation of Delaware. Republished by registrant.

KINGTASTE

FOR CHEESE, THOUSAND ISLAND DRESSING, MAYONNAISE, SANDWICH SPREAD, COOKING OIL, AND FRENCH DRESSING.
Claims use since June 1, 1928.

Reg. No. 320,167. Registered Dec. 18, 1934. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio, a corporation of Delaware. Republished by registrant.

MOONBEAM

FOR CHEESE.
Claims use since Sept. 18, 1933.

Reg. No. 320,788. Registered Jan. 8, 1935. C. H. MCKELLIPS, Mesa, Ariz. Republished by registrant, present address Phoenix, Ariz.

ARIZ-SUN

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 1, 1934.

Reg. No. 326,423. Registered July 23, 1935. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio, a corporation of Delaware. Republished by registrant.

HY-MO

FOR HIGH MOISTURE EMULSIFIED AGENT FOR CAKE MIXTURES.
Claims use since Jan. 23, 1935.

Reg. No. 334,161. Registered Apr. 21, 1936. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio, a corporation of Delaware. Republished by registrant.

BUCKEYE

FOR VEGETABLE SHORTENING.
Claims use since Nov. 30, 1935.

Reg. No. 341,533. Registered Dec. 8, 1936. GENERAL FOOD PRODUCTS CO., Vernon, Calif. Republished by Glenfield Food Company, San Francisco, Calif., a corporation of California.

Real Roast

FOR PEANUT BUTTER.
Claims use since June 4, 1936.

Reg. No. 362,637. Registered Nov. 22, 1938. WESTERN STATES GROCERY COMPANY, Reno, Nev., and Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

CHERUB

FOR EVAPORATED MILK.
Claims use since May 25, 1938.

Reg. No. 366,895. Registered May 2, 1939. SAFEWAY STORES, INC., doing business as General Foods Products Co., Vernon and Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

GLEN AIRE

FOR CANNED GRAPEFRUIT.
Claims use since Oct. 6, 1938.

Reg. No. 366,896. Registered May 2, 1939. SAFEWAY STORES, INC., doing business as General Food Products Co., Vernon and Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

SUNNY DAWN

FOR CANNED TOMATO JUICE.
Claims use since Oct. 6, 1938.

Reg. No. 366,897. Registered May 2, 1939. SAFEWAY STORES, INC., doing business as General Food Products Co., Vernon and Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

TOWN HOUSE

FOR CANNED GRAPEFRUIT JUICE FOR FOOD PURPOSES.
Claims use since Oct. 6, 1938.

Reg. No. 368,073. Registered June 6, 1939. RULE-JAYTON COTTON OIL CO., Stamford, Tex., a corporation of Texas. Republished by registrant.

CHUCK WAGON



FOR COTTONSEED CAKE AND MEAL USED FOR LIVESTOCK AND POULTRY FEED.
Claims use since Oct. 1, 1935.

Reg. No. 368,355. Registered June 13, 1939. THE LUCERNE CREAM AND BUTTER COMPANY, also doing business as Lucerne Cream and Butter Co., Vernon, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

Party Pride

FOR ICE CREAM AND SHERBET.
Claims use since Dec. 6, 1938.

Reg. No. 370,056. Registered Aug. 15, 1939. THE LUCERNE CREAM AND BUTTER COMPANY, Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

CREAM O' THE CROP

FOR EGGS.
Claims use since Sept. 14, 1935.

Reg. No. 370,064. Registered Aug. 15, 1939. THE LUCERNE CREAM AND BUTTER COMPANY, also doing business as Lucerne Cream and Butter Company, Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

Breakfast Gems

The pictorial representation of the eggs is disclaimed apart from the mark as shown.
FOR EGGS.
Claims use since Mar. 28, 1938.

Reg. No. 371,126. Registered Sept. 19, 1939. SAFEWAY STORES, INC., doing business as General Food Products Co., Vernon and Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

SUGAR BELLE

FOR CANNED VEGETABLES.
Claims use since Oct. 6, 1938.

Reg. No. 375,561. Registered Feb. 20, 1940. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio., a corporation of Delaware. Republished by registrant.

KINGTASTE

FOR PIE CRUST AND MIXTURE AND PURE VEGETABLE SHORTENING.
Claims use since Sept. 1, 1923.

Reg. No. 376,460. Registered Mar. 26, 1940. SAFEWAY STORES, INC., doing business as General Food Products Co., Vernon and Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

CASTLE CREST

FOR CANNED FRUITS.
Claims use since Feb. 2, 1938.

Reg. No. 377,200. Registered Apr. 23, 1940. SAFEWAY STORES, INC., doing business as General Food Products Co., Vernon and Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

BRIAR GATE

FOR CANNED VEGETABLES.
Claims use since Oct. 6, 1938.

Reg. No. 379,613. Registered July 16, 1940. WASON BROS. COMPANY, INC., Seattle, Wash., a corporation of Washington. Republished by registrant.

SUGAR HOUSE

FOR SUGAR AND MAPLE SYRUP.
Claims use since Oct. 19, 1939.

Reg. No. 380,282. Registered Aug. 20, 1940. SAFEWAY STORES, INC., doing business as General Food Products Co., Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

EMERALD BAY

FOR CANNED VEGETABLES.
Claims use since Oct. 6, 1938.

Reg. No. 384,462. Registered Jan. 21, 1941. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio, a corporation of Delaware. Republished by registrant.

ALCO

FOR MAYONNAISE, SALAD DRESSING, SANDWICH SPREAD, FRENCH DRESSING, COTTONSEED OIL FOR SALAD AND COOKING PURPOSES, AND VEGETABLE SHORTENING.
Claims use since Jan. 15, 1918.

Reg. No. 384,529. Registered Jan. 21, 1941. WILLIAMSON CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Oh Henry!

CHOICE BITS

The words "Choice Bits" are disclaimed apart from the mark or shown.
FOR CANDY.
Claims use since March 1940.

Reg. No. 387,175. Registered May 6, 1941. DAVIS BROS. FISHERIES CO. INC., Gloucester, Mass., a corporation of Massachusetts. Republished by registrant.



The expression "Deep Sea" is disclaimed apart from the mark as shown.
FOR CANNED FISH AND PACKAGED SALT FISH.
Claims use since on or about February 1940.

Reg. No. 387,176. Registered May 6, 1941. DAVIS BROS. FISHERIES CO. INC., Gloucester, Mass., a corporation of Massachusetts. Republished by registrant.

DEEP SEA DAVE

The expression "Deep Sea" is disclaimed apart from the mark as shown.
FOR CANNED FISH AND PACKAGED SALT FISH.
Claims use since on or about February 1940.

Reg. No. 387,824. Registered June 3, 1941. DAVIS BROS. FISHERIES, INC., Gloucester, Mass., assignor to Davis Bros. Fisheries Co., Inc. Republished by Davis Bros. Fisheries Co. Inc., Gloucester, Mass., a corporation of Massachusetts.

CODDIES

FOR FISH CAKES AND MIXTURES THEREFOR.
Claims use since on or about October 1934.

Reg. No. 387,858. Registered June 3, 1941. L. M. WASHBURN, Porterville, Calif. Republished by Omer G. Avery, Porterville, Calif.



The word "Vitamins" and the representation of the orange are disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since Nov. 22, 1940.

Reg. No. 393,154. Registered Jan. 27, 1942. MODOC ORCHARD CO., Medford, Oreg., a firm. Republished by registrant.

MODOC

FOR FRESH PEARS.
Claims use since June 5, 1941.

Reg. No. 395,992. Registered June 23, 1942. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md., a corporation of Maryland. Republished by registrant.

FAMOUS FEED

The word "Feed" is disclaimed apart from the mark as shown.
FOR FEEDS FOR POULTRY, HOGS, STEERS, AND HORSES.
Claims use since Oct. 20, 1937.

Reg. No. 398,913. Registered Dec. 1, 1942. MODOC ORCHARD CO., Medford, Oreg., a firm. Republished by Registrant.

MOPAC

FOR FRESH PEARS.
Claims use since May 15, 1942.

Reg. No. 401,342. Registered May 11, 1943. SAFEWAY STORES, INC., OF NEVADA, also doing business as Table Products Company, Reno, Nev., and Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

MONETA

FOR CHILI SAUCE.
Claims use since Dec. 24, 1941.

Reg. No. 403,680. Registered Oct. 12, 1943. SAFEWAY STORES, INC., OF NEVADA, also doing business as Table Products Company, Reno, Nev., and Oakland, Calif. Republished by Glenfield Food Company, San Francisco, Calif., a corporation of California.

WESTAG

FOR FOOD FLAVORING EXTRACTS.
Claims use since Feb. 9, 1938.

Reg. No. 404,558. Registered Dec. 7, 1943. SAFEWAY STORES, INC., OF NEVADA, also doing business as Table Products Company, Reno, Nev., and Oakland, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

Prince Leo

FOR CANNED SALMON.
Claims use since May 22, 1940.

Reg. No. 407,914. Registered July 4, 1944. FLOYD N. SMITH, Phoenix, Ariz. Republished by registrant.

BLUE CHIP

FOR FRESH VEGETABLES.
Claims use since Dec. 14, 1943.

Reg. No. 412,633. Registered Mar. 20, 1945. SAFEWAY STORES, INCORPORATED, doing business as Table Products Company, Baltimore, Md., and Oakland, Calif., assignor to Glenfield Food Company, San Francisco, Calif., a corporation of California, doing business as Table Products Company. Republished by Glenfield Food Company, San Francisco, Calif., a corporation of California.

Lunch Box



FOR SANDWICH SPREAD.
Claims use since Mar. 15, 1937.

Reg. No. 424,715. Registered Oct. 22, 1946. E & L FRUIT & PRODUCE DISTRIBUTORS, Los Angeles, Calif. Republished by Woo Gueyteung, Los Angeles, Calif.

COAST PRIDE

FOR FRESH VEGETABLES, FRESH CITRUS FRUITS, AND FRESH DECIDUOUS FRUITS.
Claims use since June 9, 1945.

Reg. No. 425,020. Registered Oct. 29, 1946. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio, a corporation of Delaware. Republished by registrant.

Purity

FOR OLEOMARGARINE.
Claims use since 1887.

Reg. No. 432,663. Registered Sept. 9, 1947. CENTRAL MILLS, INC., Dunbridge, Ohio, a corporation of Ohio. Republished by registrant.

CENT-O-GREEN

The word "Green" is disclaimed apart from the mark as shown.
FOR LIVESTOCK FEEDS—NAMELY, ALFALFA MEAL MADE FROM DEHYDRATED ALFALFA HAY.
Claims use since Feb. 14, 1939.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 63,492. Registered June 25, 1907. G. HEILEMAN BREWING CO., La Crosse, Wis. Republished by G. Heileman Brewing Co., La Crosse, Wis., a corporation of Delaware.



FOR BEER.
Claims use since about Jan. 1, 1902.

Reg. No. 99,098. Registered Aug. 18, 1914. G. HEILEMAN BREWING CO., La Crosse, Wis. Republished by G. Heileman Brewing Co., La Crosse, Wis., a corporation of Delaware.



The drawing is lined for the color red.
FOR BEER.
Claims use since May 6, 1914.

Reg. No. 106,432. Registered Oct. 19, 1915. THE JAMES HANLEY BREWING COMPANY, Providence, R. I. Republished by The James Hanley Company, Providence, R. I., a corporation of Rhode Island.

PEERLESS

FOR ALE AND PORTER.
Claims use since January 1894.

Reg. No. 106,433. Registered Oct. 19, 1915. THE JAMES HANLEY BREWING COMPANY, Providence, R. I. Republished by The James Hanley Company, Providence, R. I., a corporation of Rhode Island.

ALE PEERLESS

FOR ALE AND PORTER.
Claims use since January 1894.

Reg. No. 106,435. Registered Oct. 19, 1915. THE JAMES HANLEY BREWING COMPANY, Providence, R. I. Republished by The James Hanley Company, Providence, R. I., a corporation of Rhode Island.

HANLEY'S ALE PEERLESS

FOR ALE AND PORTER.
Claims use since January 1894.

Reg. No. 137,560. Registered Nov. 30, 1920. BOSCH BREWING COMPANY, Lake Linden, Mich. Republished by Bosch Brewing Company (1933), Houghton, Mich., a corporation of Michigan.

GILT EDGE

FOR NON-INTOXICATING MALT BEVERAGE, CONTAINING LESS THAN ONE-HALF OF ONE PER CENT OF ALCOHOL BY VOLUME, SOLD AS A SOFT DRINK.
Claims use since December 1899.

Reg. No. 307,439. Registered Oct. 24, 1933. WESTERN STATES GROCERY COMPANY, Oakland, Calif. Republished by Beverage Distributors, Inc., San Francisco, Calif., a corporation of California.

BROWN DERBY

FOR BEER.
Claims use since June 5, 1933.

Reg. No. 319,501. Registered Nov. 27, 1934. G. HEILEMAN BREWING CO., La Crosse, Wis., a corporation of Delaware. Republished by registrant.



FOR BEER.
Claims use since Apr. 1, 1905.

Reg. No. 381,905. Registered Oct. 15, 1940. G. HEILEMAN BREWING CO., La Crosse, Wis., a corporation of Delaware. Republished by registrant.

HEILEMAN'S

The drawing is lined for the colors red and yellow.
FOR BEER.
Claims use since Sept. 1, 1936.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 317,938. Registered Oct. 9, 1934. LEROUX AND COMPANY, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR WHISKEY, GIN, BRANDY, RUM, APERITIFS, ALCOHOLIC CORDIALS, AND COCKTAILS.
Claims use since on or about Dec. 16, 1933.

Reg. No. 317,942. Registered Oct. 9, 1934. LEROUX AND COMPANY, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

FIGARO

FOR ALCOHOLIC RUM STYLE BEVERAGE.
Claims use since on or about Dec. 16, 1933.

Reg. No. 328,928. Registered Oct. 8, 1935. PADRE VINEYARD COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

Vai Bros.

FOR BRANDY.
Claims use since Nov. 4, 1933.

Reg. No. 373,228. Registered Nov. 28, 1939. JULIUS LOESER & CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

OAK-LORE

FOR WHISKEY.
Claims use since December 1914.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 78,975. Registered July 26, 1910. INGRAM-RICHARDSON MANUFACTURING COMPANY, Beaver Falls, Pa., a corporation of Pennsylvania. Republished by registrant.

ING-RICH

FOR ADVERTISING SIGNS.
Claims use since March 1903.

Reg. No. 321,895. Registered Feb. 19, 1935. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

SPONGEX

FOR RUG UNDERLAYS, BATH MATS, AND KNEELING PADS.
Claims use since on or about Feb. 11, 1932.

Reg. No. 357,290. Registered May 31, 1938. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

CELL-TITE

FOR FLOOR RUGS OF RUBBER COMPOSITION AND DRAPABLE SHEET COVERINGS FOR PORTABLE USE AS HEAT INSULATION MADE OF RUBBER COMPOSITION.
Claims use since Nov. 10, 1937.

Reg. No. 361,029. Registered Oct. 4, 1938. RALPH W. WILSON COMPANY, INC., New York, N. Y. Republished by Ralph W. Wilson, New York, N. Y.

"Glider"

FOR CAPS FOR RECEPTACLES.
Claims use since Apr. 15, 1938.

Reg. No. 414,715. Registered June 26, 1945. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant.

Texfoam

FOR FILAMENTARY WEB MATERIAL FOR USE AS SURFACE PADS, MATS, COVERINGS, RUG UNDERLAYS, AND THE LIKE.
Claims use since Oct. 26, 1943.

Reg. No. 430,621. Registered June 17, 1947. NORMAN L. CAHNERS, doing business as Materials Handling Laboratories, Boston, Mass. Republished by registrant.

CHUCKAWAY

FOR PORTABLE MATERIAL HANDLING PLATFORMS USEFUL IN LIFT TRUCK OPERATIONS.
Claims use since Apr. 3, 1946.

REISSUES

NOVEMBER 23, 1948

23,049
OPHTHALMIC GLASS

William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Original No. 2,433,883, dated January 6, 1948, Serial No. 691,663, August 19, 1946. Application for reissue February 11, 1948, Serial No. 7,731

16 Claims. (Cl. 106—54)

1. An ophthalmic glass analytically containing 33% to 60% SiO_2, 1% to 7% B_2O_3, 4% to 15% ZrO_2, 0% to 25% BaO, .5% to 5% Li_2O, 1% to 15% Na_2O and 3% to 15% of an oxide of a metal of the second periodic group having an atomic weight between 40 and 66, the softening point of the glass being below 700° C., the refractive index (nD) being between 1.57 and 1.70 and the thermal expansion coefficient being between 83 and 10^{-7} and 95×10^{-7} cm. per cm. per degree C. between 0° and 300° C.

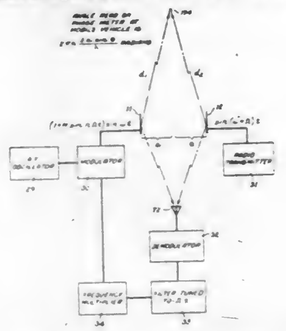
23,050
RADIO BEACON

Reed R. Brunner, deceased, late of Baltimore, Md., by Seismograph Service Corporation, Tulsa, Okla., a corporation of Delaware, assignee

Original No. 2,417,807, dated March 25, 1947, Serial No. 524,722, March 2, 1944. Application for reissue February 25, 1948, Serial No. 10,822

15 Claims. (Cl. 343—105)

(Original granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



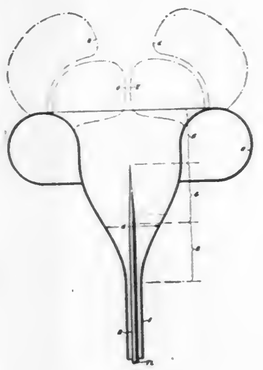
1. In a radio beacon system, means for radiating wave energies of different frequencies from a plurality of spaced radiators, said energies differing in frequency by a predetermined frequency, and means jointly responsive to said radiated wave energies for radiating wave energy modulated by a harmonic of said difference frequency.

23,051
BROADCAST ANTENNA

Philip S. Carter, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original No. 2,403,909, dated July 16, 1946, Serial No. 422,356, December 10, 1941. Application for reissue September 8, 1948, Serial No. 48,306

19 Claims. (Cl. 250—33.63)



14. A radiant energy transmission system including a hollow wave guide member having a transverse dimension such that propagation of the radiant energy field within said guide may take place without the presence of an inner conductor, said member being flared at one end to such an extent that the field within said guide is free from said system, and said flare being further continued so that the end of said guide is curved back on itself.

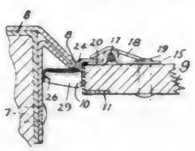
PATENTS

GRANTED NOVEMBER 23, 1948

2,454,266
PYRAZOLONE AZO PIGMENT
Edward Armatys, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application June 4, 1943, Serial No. 489,715
2 Claims. (Cl. 260—147)

1. A new, golden brown pigment of excellent light-fastness, obtained by coupling 10 parts by weight of tetrazotized dichlor benzidine with 11 parts by weight of phenyl-methyl-pyrazolone in a weak caustic soda solution containing a dispersing agent and 37 parts by weight cupric hydroxide, neutralizing and separating the precipitate.

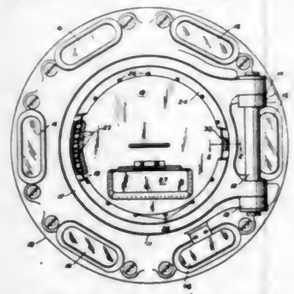
2,454,267
TOBACCO HOGSHEADS AND SECURING MEANS FOR THE HEADS THEREOF
Harry Guthrie Bell, Paris, and Jacob Douglas Gay, Jr., Lexington, Ky.
Application January 17, 1946, Serial No. 641,761
11 Claims. (Cl. 217—89)



1. The combination with a barrel body having interior annular projections and a head of a diameter less than that fixed by the projections, of a plurality of latch members normally extending in parallelism with the plane of the outer face of the head yieldable outwardly of the head and projecting beyond the periphery of the head, the periphery of the combined members being substantially equivalent to that of the interior of the barrel and bearing extremities on said latch members engaging in their normal positions between the inner surface of the barrel and the contiguous edge of the barrel head.

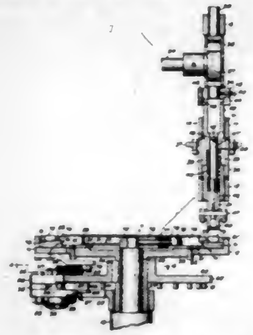
2,454,268
PERISCOPE MOUNTING FOR ARMORED VEHICLES
Frederick S. Brackett, Chevy Chase, Md.
Application April 11, 1945, Serial No. 587,819
2 Claims. (Cl. 88—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an armored vehicle of the type having therein a hatch opening above an observer's station for periscopic observation, the combination with a hatch cover for closing said hatch opening, said hatch cover comprising a hinged annular ring outer cover portion having a central circular aperture therein and a single periscope-supporting circular inner cover portion closing said aperture and rotatably mounted therein about its vertical axis, of a vertical opening in said circular cover portion disposed eccentrically of said vertical axis for mountedly receiving a single periscope, and a single periscope extending vertically upward through and mountedly supported at said vertical opening, whereby an observer may, while merely turning his body and



otherwise remaining at said station, observe throughout 360 degrees of azimuth by rotating said circular inner cover portion.

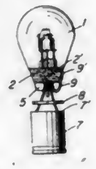
2,454,269
MILLING MACHINE
Harvey M. Braucher, Baltimore, Md.
Application August 12, 1944, Serial No. 549,243
5 Claims. (Cl. 90—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine for processing work pieces wherein a processing tool is moved intermittently into work engaging position, a work holder comprising a stationary housing, a stationary dial ring in said housing, a rotatable dial and means for rotating it with a step-by-step movement, said dial being provided with a plurality of inwardly opening radially arranged recesses whose outer ends overlie the dial ring and together with said ring form pockets for the work pieces, said dial ring being provided adjacent a point of stoppage of said dial with a cutaway portion, a slidable work holding clamp in each recess arranged to be moved at the point of stoppage of the dial to clamp the work piece, each clamp being provided with a shoulder in engagement with the inner periphery of said dial ring to hold said clamps open except when opposite the cutaway portion of the ring, and means for moving said clamp members to clamp the work when opposite said cutaway portion, said cutaway portion of the ring being

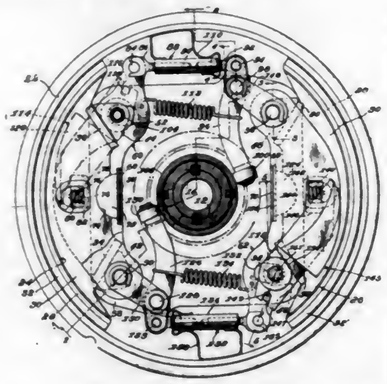
so shaped as to actuate the clamps to cause them to release the work pieces upon movement of the dial beyond the processing station of the work piece.

2,454,270
BASING ELECTRIC BULB
Reginald K. Braunsdorff, East Orange, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware
Application April 10, 1945, Serial No. 587,497
11 Claims. (Cl. 176—32)



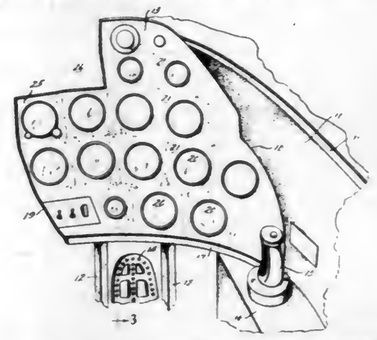
9. An electric incandescent lamp having a glass bulb and a metallic base, said bulb having a metallized portion formed integrally with the glass and extending at least partially into the base part, and a ring of solder between the internal meeting surfaces of the base and the metallized portion with at least a part of it adhered to the base and metallized ring to form a seal and the ground wire of said bulb embedded in said ring of solder.

2,454,271
FRICTION COUPLING DEVICE
Lawrence R. Buckendale and Ralph K. Super, Detroit, Mich., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application March 27, 1944, Serial No. 528,276
6 Claims. (Cl. 192—76)



1. In a friction coupling device, driving and driven members, means for frictionally coupling said members together including a friction shoe and an actuating lever therefor pivotally anchored at one of its ends on one of said members, means for moving said lever in one direction to frictionally couple said members, and means mounted on said one member adjacent to the other end of said lever for angular movement relative thereto in response to centrifugal force and operatively connected with said lever to restrain said lever and friction shoe against movement to coupling position.

2,454,272
INSTRUMENT PANEL FOR AIRCRAFT COCKPITS
Harold W. Case, Dayton, Ohio
Application April 19, 1946, Serial No. 663,339
5 Claims. (Cl. 244—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An instrument panel having a horizontal curvature and a vertical curvature, the inner surface of said panel being divided by bend lines into a multiplicity of small plane areas substantially tangential to the curvature of panel, and no more than one instrument dial mounted in substantially each of said small plane areas whereby each instrument will be substantially perpendicular to the pilot's line of sight.

2,454,273
CELLULOSE ETHER COMPOSITION
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 28, 1945, Serial No. 607,668
8 Claims. (Cl. 106—176)

1. A thermoplastic composition consisting of a cellulose ether, a plasticizer therefor, and from about 0.5% to about 7.5% of methoxy phenol lactone as a stabilizer therefor, based on the weight of the cellulose ether, said lactone being substantially gasoline-insoluble and having an empirical formula of $C_{20}H_{22}O_7$, said lactone further having two phenolic hydroxyl groups, one alcoholic hydroxyl group, one lactone group, and two methoxy groups and forming a triacetate derivative melting at about 161° C.

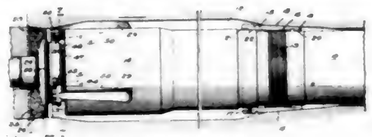
2,454,274
MANUFACTURE OF MIXED ESTERS OF GLYCOLS
Arthur John Daly and William Geoffrey Lowe, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 19, 1946, Serial No. 677,923. In Great Britain June 25, 1945
2 Claims. (Cl. 260—476)

1. Process for the manufacture of mixed esters of glycols having plasticising properties, which comprises heating a diester of a fatty acid containing 2 to 4 carbon atoms and a substance selected from the group which consists of alkylene and polyalkylene glycols together with an aromatic acid containing a benzene ring as the sole aromatic residue and continuously removing substantially the whole of the vapors produced.

2,454,275
MANUFACTURE OF MIXED ESTERS OF POLY-HYDROXY COMPOUNDS
Arthur John Daly and William Geoffrey Lowe, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 19, 1946, Serial No. 677,924. In Great Britain June 25, 1945
4 Claims. (Cl. 260—476)

1. Process for the manufacture of a mixed ester of a polyhydric alcohol containing 3 to 6 hydroxyl groups with a fatty acid containing less than 5 carbon atoms and a mono-nuclear mono-carboxylic aromatic acid, which comprises heating the ester of the polyhydric alcohol and the fatty acid in which all the hydroxyl groups of the alcohol are esterified together with the aromatic acid to a temperature of 220° to 300° C., and removing from the reaction zone substantially the whole of the vapors produced.

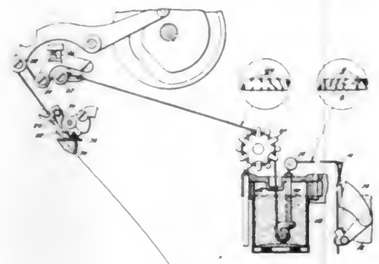
2,454,276
SUBCALIBER GUN MOUNT
George B. Davis, Jr., Green Acres, Md., assignor to the United States of America as represented by the Secretary of War
Application January 18, 1946, Serial No. 642,059
3 Claims. (Cl. 89—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an apparatus for mounting a subcaliber gun within the chamber of a larger caliber gun, the combination of a generally cylindrical collar threadedly engaged with the subcaliber gun and having at least two internal annular bearing surfaces in engagement with the subcaliber gun and an external bearing surface in engagement with the forward portion of the chamber of the large caliber gun, a set screw for releasably securing said collar against rotation on the subcaliber gun, a plurality of locking lugs, screw means adjustably securing said lugs to the rear face of the subcaliber gun, means forming a plurality of radially tapered, longitudinally extending grooves arranged equidistantly from each other in the outer periphery of the subcaliber gun of varying depth, a plurality of radially tapered wedges in said grooves and having outer bearing surfaces in engagement with the rear portion of the chamber of the larger caliber gun, means adjustably securing said wedges to said lugs, respectively, whereby the subcaliber gun is releasably held in concentric aligned position within the larger caliber gun.

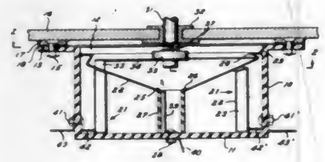
2,454,277
ART OF SEWING
James P. Fredericksen, Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 27, 1946, Serial No. 679,713
9 Claims. (Cl. 112—262)

1. That improvement in sewing, which comprises assembling parts to be operated upon, providing a thread loaded with accumulations of hardened adhesive in discrete form to enable the thread to retain its flexibility, transforming the adhesive into a flexible mass to cause it to penetrate the thread, and inserting with the thread



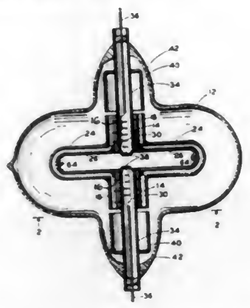
while flexible a seam connecting the parts to cause the thread thereafter to become rigidly bonded in place within the parts after the adhesive rehardens.

2,454,278
SEALED POTENTIOMETER
Irving Gordy, Eatontown, N. J.
Application July 29, 1946, Serial No. 686,829
7 Claims. (Cl. 201—55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



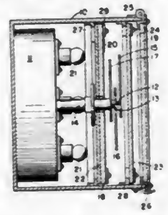
1. In a device of the class described, a casing having a casing wall and closed except for an opening at one end, electrical resistance means mounted within the casing, a metal sheet electrical contact member extending completely across the casing between said opening and said resistance means in juxtaposed spaced relation to the resistance means and having a flexible supporting and sealing portion adjacent the casing wall to secure it flexibly within the casing in spaced juxtaposed relation to the resistance means and protect and hermetically seal the resistance means within the casing between said metal sheet contact member and the closed end of the casing, terminal posts sealed in the casing wall between the flexible metal sheet contact member and the closed end of the casing and being each electrically connected at the inner end, one to the resistance means and another to the flexible metal sheet contact member, movable operating means supported in the open end of the casing, outwardly of said flexible metal sheet contact member, and operable upon said metal sheet contact member to force the portion thereof contacted by said operating means into contact with a selected portion of said resistance means, and thereby establish an electrical circuit between said terminal posts through the contact relation between the flexible metal sheet contact member and the resistance means.

2,454,279
HIGH-POWER OSCILLATOR TUBE
John E. Gorham, Spring Lake, N. J.
Application June 22, 1943, Serial No. 491,800
19 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



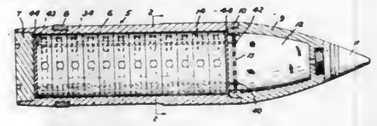
1. An ultrahigh frequency tube comprising an evacuated glass envelope carrying a pair of electrode assemblies, each of said assemblies including a generally cylindrical cathode can closed at its inner end, said end comprising a flat surface perpendicular to the longitudinal axis of said cathode, a cathode lead-in extending outwardly from said can, a grid surrounding said cathode, and an anode surrounding said grid, said electrode assemblies being disposed end-to-end on a common axis colinear with the axes of the cathodes, with the flat surfaces of the cathode assemblies adjacent one another whereby said surfaces form a radio-frequency condenser providing capacitance loading for facilitating tuning of the cathodes.

2,454,280
ILLUMINATED INDICATOR USING LIGHT POLARIZING ELEMENTS
George K. C. Hardesty, Seat Pleasant, Md.
Application July 13, 1945, Serial No. 604,941
4 Claims. (Cl. 88—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



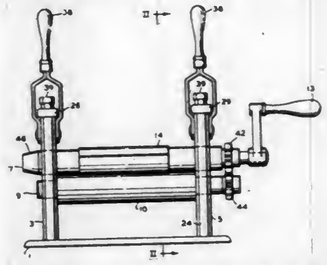
2. In an indicating instrument, a casing, a source of light in said casing, a dial element mounted in said casing composed of a pair of overlapped sheets of polarizing material positioned in front of said light source with their axis crossed to exclude substantially all the light directed toward said sheets from said source, a fixed indicator element, a movable indicator situated between said sheets movable into various angular positions with respect to the optical axis of said sheets of polarizing material said movable indicator being composed of translucent depolarizing material, whereby at any angular position of the movable indicator, polarized light passing through the movable indicator will be depolarized in the sense of being reconverted to unpolarized light unaffected by the analyzer and, because of the translucent quality of the indicator a large portion of light incident on the side opposite the said source will be reflected in diffused form.

2,454,281
ANTIPERSONNEL ARTILLERY MINE
Clarence C. Hicks, Milwaukee, Wis.
Application November 1, 1945, Serial No. 626,157
3 Claims. (Cl. 102—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A mine-laying device comprising a container, a yieldable closure on one end of the container, an explosive ejection charge at the other end of the container, individual mines nested in the container between the closure and ejection charge, said mines having aligned openings longitudinally of the container, a rod member secured in the container at the end having the ejection charge, passing through said aligned openings and having a headed portion on the end adjacent the closure, an explosive charge in each mine and delay firing means, therefor, including a detent means lying in the path of and responsive to relative motion between said mines and the headed portion of said rod for release of said firing means.

2,454,282
TUBE FORMING DEVICE
Herbert L. Johnson, Peabody, Mass.
Application May 31, 1945, Serial No. 596,938
1 Claim. (Cl. 153—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A tube forming device comprising, in combination, a horizontal base, a first guideway extending vertically upward from said base, said first guideway comprising two U-shaped channels disposed in a spaced apart relationship and a spacing member secured at opposite ends thereof to the upper end of each of said channels, a second guideway extending vertically upward from said base at a position remote from said first guideway, said second guideway comprising two U-shaped channels disposed in a spaced apart relationship and a spacing member secured at opposite ends thereof to the upper end of said channels, a first and second bearing block dis-

posed within said first and second guideways, respectively, and supported on said base, said bearing blocks each comprising a substantially rectangular block formed with a cylindrical bearing surface at the upper end thereof, a first roll having a rigid core journalled in said cylindrical bearing surfaces in said first and second bearing blocks, said first roll having a yieldable covering surrounding said core and extending axially of that portion of said first roll intermediate said guideways, a second rigid roll disposed with the axis thereof parallel to the axis of said first roll and normally resting on the upper surface of said first roll, a third and a fourth bearing block slideably mounted within said first and said second guideways, respectively, each of said third and fourth bearing blocks being formed with a U-shaped bearing surface in the lower end thereof, said bearing surfaces in said third and fourth bearing blocks being adapted to engage a portion of the upper surface of said second roll and to maintain said second roll in said normally parallel relationship with said first roll, first and second stop members slideably positioned in said first and second guideways, respectively, and disposed above said third and fourth bearing blocks, first and second screw means extending downwardly through said spacing members in said first and second guideways, respectively, and adapted to limit the upward movement of said first and second stop members, respectively, a first cam member disposed intermediate said first stop member and said third bearing block, a second cam member disposed intermediate said second stop member and said fourth bearing member, means actuatable to move said first and second cam members, respectively, from a position permitting minimum spacing between said first stop member and said third bearing block and said second stop member and said fourth bearing block to a second position requiring greater spacing between said first and second stop members and said third and fourth bearing members, respectively, said third and fourth bearing blocks being adapted to permit removal of said second roll from said device without disassembling said device when said first and second cam members are in said first position, said cam members being adapted upon movement into said second position to force said second roll into the yieldable covering of said first roll, a first gear secured to one end of said core of said first roll, a second gear secured to one end of said second roll and adapted to engage said first gear when said cams are in said second position, and a crank member secured to one of said rolls and adapted to provide means of rotating the roll to which it is attached.

2,454,283

SEALING ELEMENT, INCLUDING A BINDER CONSISTING OF POLYISOBUTYLENE AND FACTICE

Ellis Gray King, Pittsburgh, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Application December 31, 1943, Serial No. 516,590

10 Claims. (Cl. 260—23)

1. A sealing element including a binder consisting of polyisobutylene having an average molecular weight of from about 70,000 to about 200,000 and factice, said factice being present in amount equal to from about 65% to 80% by weight of the total weight of factice and polyisobutylene, the sealing element being substantially devoid of cold flow under the conditions of use and being resilient.

2,454,284

COMPOSITION OF HALF-ESTER OF STYRENE-MALEIC ANHYDRIDE COPOLYMER AND A SOLVENT

Joseph S. Kirk, Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 19, 1944, Serial No. 518,883

8 Claims. (Cl. 260—23)

1. A composition for the protection of metal surfaces comprising a half-ester of styrene-maleic anhydride polymer esterified with a saturated monohydric aliphatic alcohol of 12 through 18 carbon atoms, and a solvent for the said ester.

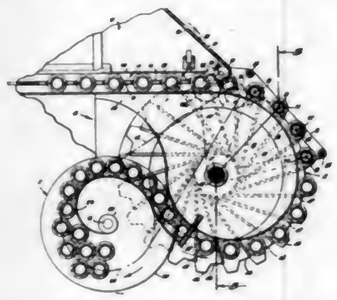
2,454,285

CONTAINER FEEDER

Frank W. Krueger, Atherton, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application July 3, 1944, Serial No. 543,337

5 Claims. (Cl. 226—96)



1. In a container feeder the combination of: a relatively flat plate; means for rotating said plate about a substantially vertical axis; a series of relatively shallow guides provided on the upper surface of said plate, said guides extending outwardly from a central area of said plate; and a container guide rail disposed above said plate, said rail being disposed to shift along said guides containers deposited on said plate and engaged by said guides, so that, in a certain zone of their travel on said plate, said containers are disposed at spaced intervals determined by the spacing of said guides.

2,454,286

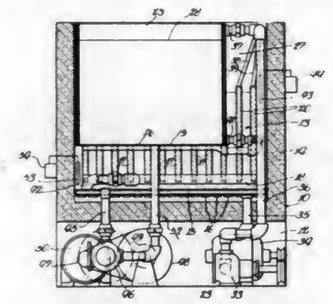
DIP TANK FOR THERMOPLASTIC MATERIAL

William H. Lerner, Lorain, Ohio, assignor, by mesne assignments, to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application October 4, 1944, Serial No. 557,137

3 Claims. (Cl. 91—46)

1. Apparatus for handling thermoplastic material comprising, in combination, a housing having heat insulating walls, a first container within said housing having an open top and adapted to hold a supply of thermoplastic material, a plurality of heating elements mounted near the bottom of said container and extending across the container in spaced relation, a second container having an open top and hollow walls, said second container being smaller than the first container and being mounted along one side of the first container above said heating elements, said second container also having a weir in one wall adjustable to various positions below the level of the walls thereof and adapted to discharge into the first container, additional heating elements extending along one side of the second container within the first container to provide a preheating space for unmelted replacement thermoplastic material, indirect heating means for the thermoplastic material including said heating elements



and means for circulating heated fluid through said heating elements and said hollow walls, and means for pumping molten thermoplastic material from said first container into the second container for use from the second container and at a rate such that unused material continually flows back to the first container over said weir.

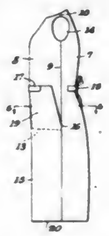
2,454,287

MATERNITY GARMENT

Ruth M. Mahoney, Santa Monica, Calif.

Application October 25, 1945, Serial No. 624,453

2 Claims. (Cl. 2—76)



1. A maternity garment comprising an upper back portion and a back skirt portion, a front upper waist portion having a lower extension terminating a substantial distance below the waistline and having its side edges secured to the side edge portions of the back, said upper front waist portion being more than one-half of the circumfeernce of the garment at the waistline so as to provide fullness thereat, a front skirt portion for said garment extending downwardly from the waistline, said front skirt portion being connected to said back portion along its vertical marginal edges from a point adjacent the bottom of said front waist portion to the bottom of the garment, the upper side edges of said lower front skirt portion being free and unattached to form a bib overlying the lower part of the upper front waist portion, and being adapted for adjustment in a direction away from the back of the garment as the full upper waist portion is expanded to accommodate different sizes of girth, and means for adjustably securing said bib about the waist.

2,454,288

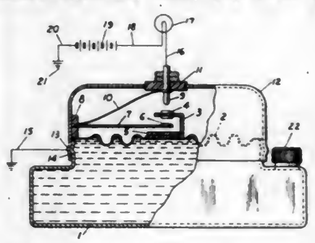
HEAT-PRESSURE OPERATED WARNING SWITCH

Marion L. Michaelson, Ames, Iowa, assignor to The United States of America as represented by the Secretary of War

Application November 9, 1945, Serial No. 627,768

4 Claims. (Cl. 200—81.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a warning system employing a warning indicator actuated by the closing of an electrical circuit for indicating an excessive increase in pressure and/or temperature of fluid in a closed fluid system, a unitary switch automatically closing said electrical circuit upon a predetermined increase in pressure and/or temperature of said fluid, said switch comprising a housing, a diaphragm extending across the interior of said housing, said housing on one side of said diaphragm being in communication with said fluid system, a generally U-shaped supporting member on the opposite side of said diaphragm, a contact member on one of the legs of said generally U-shaped supporting member, a bimetallic member extending between the legs of said generally U-shaped supporting member, a second contact member in said housing spaced from said first mentioned contact member and from the same side of said diaphragm, and an electrical conductor between said bimetallic member and said second contact member, said bimetallic member being engageable with said first mentioned contact member to close said electrical circuit upon a predetermined increase in temperature of the fluid in said fluid system, and said first mentioned contact member being engageable with said second contact member to close said electrical circuit upon a predetermined increase in pressure of the fluid in said fluid system.

2,454,289

PORTABLE SELF-CONTAINED DRUM CLEANER

Frederick E. Neef, Jr., United States Army, Hartsdale, N. Y.

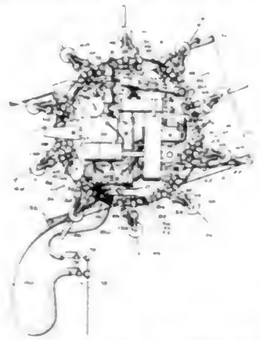
Application October 16, 1945, Serial No. 622,639

40 Claims. (Cl. 134—81)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A self-contained apparatus for cleaning the interiors of containers comprising in combination, a rotatable cleaning fluid reservoir, means for supporting a plurality of containers on said reservoir in position for cleaning, a plurality of cleaning nozzles adapted to be received in said containers for flushing said containers with cleaning fluid and evacuating the same therefrom, means connected with said nozzles and said reservoir for subjecting a portion of said cleaning fluid to pressure, means for applying suction to said nozzles for evacuating cleaning fluid from said containers to said reservoir, motor means for rotating said reservoir and for

operating said suction and pressure means, and control means operable upon rotation of said reservoir for controlling the pressure and suction flow between said reservoir and said nozzles to delay the application of suction to said nozzles



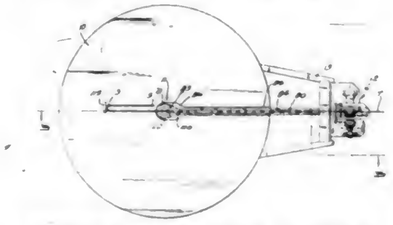
at the beginning of the cleaning cycle until a fluid level has been built up in said container and to continue suction at the end of a cleaning cycle a sufficient time to insure complete evacuation of the residual fluid from said containers.

2,454,290

APPARATUS FOR BENDING WORK SUCH AS TUBING INTO SERPENTINE COILS

Arthur W. Payne, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan

Application August 1, 1946, Serial No. 687,668
21 Claims. (Cl. 153—46)



1. Apparatus for shaping elongated work pieces, such as tubing, into coils of serpentine form having a succession of reverse bends, comprising an oscillatory head, two bending elements on the head spaced from the oscillating center thereof, said head having a starting position in which the elements lie on opposite sides of the work piece presented thereto so that the work piece may be advanced between the elements in said starting position, and means for oscillating the head in a four step cycle to wit: (1) rocking movement of the head from the starting position in one direction so that one element bends the work piece about the other element, (2) reverse rocking movement of the head to starting position in which position the work piece may be advanced, (3) rocking movement of the head in the opposite direction so that the said other element bends the work piece about the said one element, and (4) reverse rocking movement of the head back to starting position.

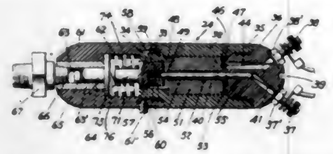
10. Apparatus for shaping elongated work pieces, such as tubing, into coils of serpentine form having a succession of reverse bends, comprising an oscillatory head, two bending elements mounted on the head in spaced relationship and eccentric of the axis of oscillation, means for guiding a work piece in between the said elements, means for oscillating the head first in one direction then the other for making opposite bends in the work pieces, said guiding means including a terminal piece with bearing parts thereon, and bearing parts on the head for seating on the bearing parts on the terminal piece as the head oscillates for causing movement of the guiding means incident to oscillation of the head.

2,454,291

BRAKE CONTROL APPARATUS

William F. Penrose, Summit, N. J., assignor to Empire Electric Brake Company, a corporation of New Jersey

Application July 31, 1945, Serial No. 608,031
7 Claims. (Cl. 201—51)



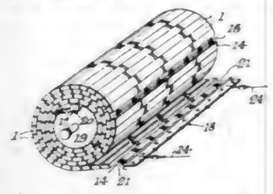
1. A fluid pressure actuated compression electric rheostat comprising a casing, a plurality of resistance elements arranged in pile contact relation within said casing at one end thereof, compression of which varies the effective electrical resistance between the ends of the pile thereof, means providing electrical contact with the ends of the said pile and electrical connections thereto respectively, plunger means for applying pressure to one end of said resistance element pile, a cylinder disposed within said casing at the other end thereof, a piston in said cylinder, means to connect said cylinder and said piston to a source of fluid pressure, spring means opposing the movement of said piston upon the application of fluid pressure to said cylinder, and a second spring means independent of said first interposed between said piston and plunger and adapted to transmit pressure resiliently from said piston to said plunger to drive the latter.

2,454,292

REVETMENT MAT

Andrew B. Pickett, United States Army

Application April 5, 1946, Serial No. 659,743
3 Claims. (Cl. 61—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



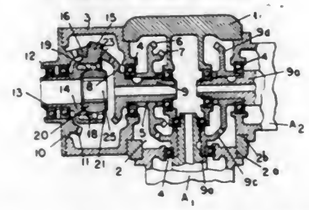
2. A roll-type flexible revetment mat comprising, in combination, a drum and a revetment mat rolled on the drum, the revetment mat comprising a plurality of slat-like units arranged with their lengths extending transversely of the mat, the said mat thereby being made up of a plurality of rows of the said units, flexible reinforcing means for the said units extending continuously through the units lengthways thereof and flexibly interconnecting the units in end-to-end relation, complemental locking means on each longitudinal side of each unit adapted, when in locking engagement, to flexibly interlock each row in a direction longitudinally of the mat, the units of each row being of different lengths for staggering the units of one row relative to units of adjacent rows in a direction longitudinally of the mat, locking means on an end row of the units adapted to receive securing means for securing an end of the mat to a station of use, the said end row of units being the head or secured end of the mat when in service, anchoring means on an opposite end row of the units which defines a free end of the mat when in service, the said drum being provided with end recesses, and means flexibly securing the anchoring means to the free end row of units enabling the anchoring means to be housed in the recesses in the ends of the drum, the mat being wrapped on the drum in a roll in such manner that the mat and drum may be taken to a place of use, the head end secured to a shore to be protected and the mat unrolled down the shore to release the drum and the anchoring means therefrom responsively to termination of the unrolling movement of the mat to anchor permanently the free end of the mat in position.

2,454,293

MULTIDRIVE GEAR BOX FOR ACCESSORIES ON BOARD AIRCRAFT

Charles Raymond Waseige, Saint-Etienne (Loire), France; vested in the Attorney General of the United States

Application May 27, 1942, Serial No. 444,734
In France April 8, 1941
7 Claims. (Cl. 74—389)



1. A self-contained gear-box for carrying and driving accessories on board aircraft, including a casing, a plurality of gears supported by and enclosed within said casing and operatively connected together to be rotated at the same time, a plurality of accessory elements carried by said casing and respectively connected to some of said gears to be driven thereby, a further accessory element operatively connected to another of said gears, an external driving element, and detachable means including gear means having a ratio differing from one between said latter accessory element and said external driving element.

2,454,294

COMPOSITIONS OF MATTER AND METHOD OF MAKING SAME

John C. Sauer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 7, 1944, Serial No. 562,383
12 Claims. (Cl. 260—23)

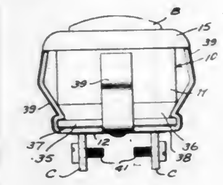
1. A composition of matter comprising an interpolymer of a polyhydric alcohol mixed ester of a monocarboxylic acid containing an ethylenic double bond α,β to the carboxyl group and at least one other ethylenic double bond conjugated therewith and a monofunctional monocarboxylic acid of the group which consists of natural drying oils and semi-drying oils, and a monomeric polymerizable member of the group which consists of vinylidene compounds containing a single $CH_2{=}C<$ radical and saturated alcohol esters of butenedioic acids, in which the mixed ester constitutes from 25 to 95% and the monomeric polymerizable member constitutes 5 to 75% of the final product.

2,454,295

PUSH-BUTTON SWITCH CONSTRUCTION

Leo L. Verkuil, Tottenville, N. Y., assignor to Edwards & Company, Inc., Norwalk, Conn., a corporation of New York

Application June 5, 1946, Serial No. 674,449
7 Claims. (Cl. 200—159)



6. A push button switch construction adapted to be set into a hole in a wall, plate, or the like, and comprising a shell having a spring-opposed button and contactor means reciprocable within the shell and having connector-contact means carried by the shell for coaction with said contactor means, said shell having a peripheral flange to limit entry of the shell into said hole and said flange having recess means underneath it, said shell having recess means in its side wall spaced from said flange, and a frame having a plurality of yieldable arms extending along the sides of the shell and toward said first recess means, said arms having outward bulging intermediate portions to engage with the walls of said hole whereby they yield inwardly toward the sides of the shell and, upon movement of the arms inwardly toward said shell as said intermediate bulging portions engage the walls of said hole, substantially enter their ends into said first recess means, said arms having means interengaging with said second recess means and into which they are entered in response to movement of said arms inwardly toward said shell.

2,454,296

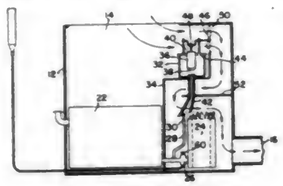
SELF-PROPELLED CIRCULATING HEATER

John E. Woods, Cohasset, Mass., assignor, by mesne assignments, to Standard-Thomson Corporation, Boston, Mass., a corporation of Delaware

Application December 22, 1945, Serial No. 637,005
4 Claims. (Cl. 263—19)

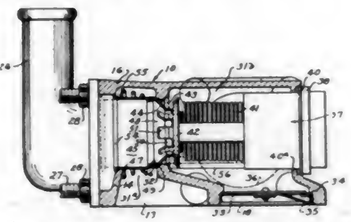
1. Heating apparatus comprising a casing having a cold air inlet and a warm air outlet, means forming an air passage between the inlet and outlet, a main burner for fluid fuel disposed to discharge its products of combustion into said passage, thermostatic control means for the main burner, a continuously operated auxiliary burner, a manually started external combustion hot air engine having a cylinder, means for supplying heat continuously from the auxiliary burner to

the hot end of the cylinder, the cold end of the cylinder being in heat exchange relationship



with cold air supplied through said cold air inlet, and a fan in said passage driven by the engine.

2,454,297
BY-PASSING VALVE FOR OIL TEMPERATURE CONTROL UNITS
Weldon Worth, Dayton, Ohio
Application December 8, 1944, Serial No. 567,289
8 Claims. (Cl. 236—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An automatic valve for use with an oil cooler having an inlet and an outlet, said valve comprising a body provided with a valve inlet and a valve outlet, the interior of said body having two passageways separated by a partition, the first from the valve inlet to the cooler inlet and the second from the cooler outlet to the valve outlet, a port in said partition providing the only direct communication between said two passageways, a pair of valve members movably mounted within said two passageways respectively, one valve member being spring-urged to a closed position stopping oil flow from the valve inlet to the cooler inlet while allowing oil flow through said valve inlet and thence through said port, the other valve member when seated closing said port and stopping oil flow therethrough, a thermal-responsive element within the second passageway for operating said other valve member and responsive to a rise in temperature of the oil passing through said second passageway to seat said other valve member, and said other valve member as it approaches port-closing position being adapted to contact and move said one valve member to open position.

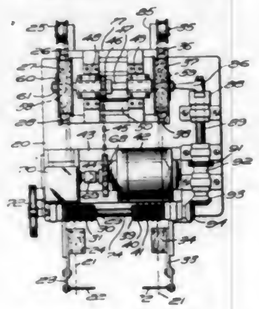
2,454,298
ELECTRONIC TUBE
Harold A. Zahl and Glenn F. Rouse, Long Branch, and John E. Gorham, Spring Lake, N. J.
Application July 29, 1943, Serial No. 496,654
4 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A cathode structure comprising a tubular member, a heating filament at one end of said member, a filament lead extending from the other end of said member to a point therein in the vicinity of said filament, said member having an



aperture at said point to permit entry of a tool for fastening said filament to said lead.

2,454,299
FINISHING MACHINE FOR ORNAMENTAL CHAINS
Ferdinand Armbrust, Hoxie, R. I., assignor to Armbrust Chain Company, a corporation of Rhode Island
Application May 16, 1947, Serial No. 748,481
4 Claims. (Cl. 51—137)

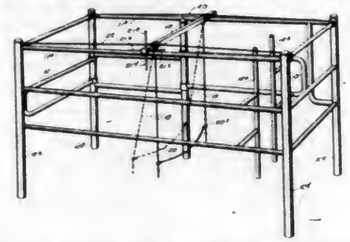


4. In a chain finishing machine, a power shaft, a finishing wheel shaft, a finishing wheel keyed to said finishing wheel shaft, means for positively driving said finishing wheel shaft from said power shaft, a chain feed shaft, chain feeding means on said shaft, means for driving said chain feed shaft at a reduced speed from said power shaft, including a reduction gearing and a belt driven pulley, means for guiding a chain fed by said chain feeding means into contacting engagement with said finishing wheel, means for maintaining the guided chain under tension, and means for reciprocating the guiding means in timed relation to the chain feeding means to move the contacting chain over the face of the finishing wheel, an idler pulley, a flexible finishing belt mounted on said idler pulley and said finishing wheel, and means for keeping said belt under tension.

2,454,300
OVERHEAD SUPPORT FOR MILKERS
Henry B. Babson, Chicago, Ill., assignor to Babson Bros. Co., a corporation of Illinois
Application August 30, 1943, Serial No. 500,509
11 Claims. (Cl. 31—58)

1. Apparatus for supporting a suspended milker from above a cow, including: a stall adapted to receive the cow; supporting means mounted on

the top of the stall and movable longitudinally thereof, this means comprising a member extending across the top of the stall and provided with manual operating means on one end; means for maintaining the supporting means in desired re-



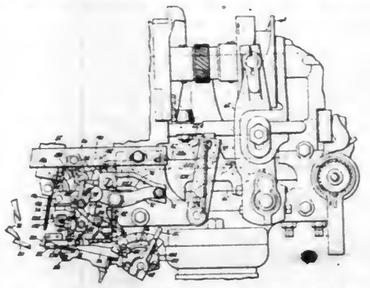
lation with the top of the stall; suspension elements depending from the supporting means at each side of the cow; and a carrying member extending beneath the cow, this member being carried by said elements and being adapted to carry the milker.

2,454,301
TELEGRAPH SYSTEM
Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,074
17 Claims. (Cl. 178—2)

1. An improvement in telegraph systems comprising an outgoing channel of transmission, a plurality of pulse transmitters for transmitting over said channel one at a time, storage means for each of said transmitters, means for selectively directing to one or another of said storage means a group of message codes constituting a message, program means for assigning turns of transmission to those of said transmitters which have messages supplied to their storage means, means in said program means for assigning more turns of transmission to one transmitter than another, and manual switching apparatus for varying the number of said more turns assigned to said one transmitter.

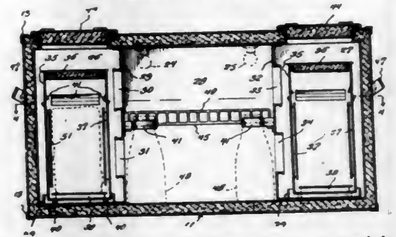
2,454,302
FASTENING INSERTING MACHINE
Benjamin B. Blanchard, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 18, 1945, Serial No. 594,448
10 Claims. (Cl. 1—20)

1. In a fastening inserting machine, fastening forming mechanism, a fastening inserting driver cooperating therewith, means including two relatively movable knives adapted to sever a fastening from fastening material fed into said mechanism, and means for moving the two knives as a unit into fastening severing position and thereafter for reversing the movement of one of the knives while holding the other knife stationary



thereby to sever the fastening from the fastening material.

2,454,303
PORTABLE REFRIGERATOR
Morris Brodheim, Philadelphia, Pa.
Application December 4, 1945, Serial No. 632,693
2 Claims. (Cl. 62—31)

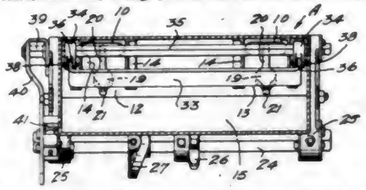


1. A portable ice refrigerator, comprising a substantially rectangular housing of heat insulating material, an upper longitudinal portion of said housing being inclined to define a sloping longitudinal surface, a first transverse partition wall positioned within said housing contiguous to and spaced from one end of the latter defining with the adjacent wall portions of the said housing a first ice compartment, a second transverse partition wall positioned within said housing contiguous to and spaced from the other end of the latter defining with the adjacent wall portions of said housing a second ice compartment, each partition wall having a circulating opening in its upper portion and another opening in its lower portion, said partition walls and the intermediate wall portions of said housing defining a food storage space between them, an ice receptacle positioned in each ice compartment, means for supporting each ice receptacle in substantially spaced relation to the wall surfaces of its compartment, and a door for said food compartment, said door being located in a vertical longitudinal wall of the housing and being aligned with and substantially the same length as said food compartment.

2,454,304
FEEDING MECHANISM FOR AGRICULTURAL MACHINES
Allan Moyer Buehler, Preston, Ontario, Canada, assignor to Eastern Steel Products Limited, Preston, Ontario, Canada, a company of Canada
Application May 5, 1945, Serial No. 592,253
3 Claims. (Cl. 222—267)

1. Feeding mechanism for agricultural machines comprising a hopper including a discharge

outlet adjacent the bottom thereof for discharging material therefrom, a restricted feed passage disposed in the bottom of said hopper and communicating with said discharge outlet, means in connection with said hopper for directing said material towards said feed passage, an oscillating agitator disposed in said passage in the path of said material flowing towards said outlet, said agi-



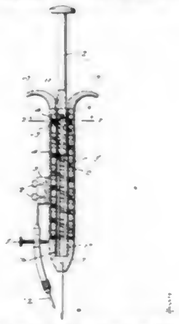
tator being swingably mounted on a vertically disposed pin, a lever arm carried by said pin exteriorly of the hopper, a rotary shaft carried by the hopper, a cam member carried by said shaft and means operatively connecting said cam member and said lever arm to cause uniform oscillation of the agitator upon rotation of said shaft in clockwise or counter-clockwise direction.

2,454,305

DRAFTING COMPASS

Byron R. Cameron, Mount Vernon, Ill.

Application August 14, 1945, Serial No. 610,746
2 Claims. (Cl. 33—27)



1. A drafting compass, comprising a rotatable tubular sleeve provided exteriorly with a compass point, upper and lower non-rotating collars positioned in alignment with said sleeve and adapted to contain the sleeve, finger grips projecting from the upper collar, a center mounted in said lower collar, a vertical plunger centered in said upper collar and projecting centrally in said sleeve, and means located within said sleeve and adapted to rotate the sleeve, said means adapted to be operated by the up and down movement of said plunger.

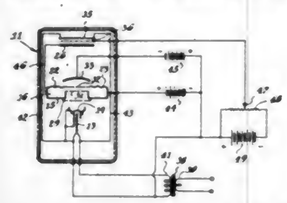
2,454,306

TUNABLE GENERATOR FOR ULTRA HIGH FREQUENCIES

David Gordon Clifford, Palo Alto, Calif., and Edward Pawlishen, deceased, late of New York, N. Y., by John Pawlishen, administrator, New York, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 30, 1942, Serial No. 470,582
9 Claims. (Cl. 315—5)

5. A discharge device comprising an evacuated envelope enclosing a main cathode, a cavity resonator through which an electron stream from said main cathode may pass, one of the walls of said resonator being distortable, bimetallic means operably connected to said distortable wall, a control cathode, a grid therefor, potential-source means coupled to said bimetallic means and control cathode for making said bimetallic means function as an anode for said control cathode, connections from said control cathode to



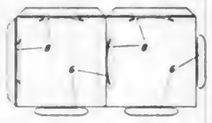
a source of current for effecting an independent discharge to said bimetallic means to quickly heat it to a desired extent, a manually-variable electrical supply source, and connections thereto from said control cathode and grid to control said independent discharge to vary the heating of the bimetallic element and thereby the physical dimensions thereof to accurately position said distortable wall and effect tuning of the resonator.

2,454,307

INTERLOCKING MOSAIC

Burnell Cooley, San Francisco, Calif.

Application November 7, 1946, Serial No. 708,410
1 Claim. (Cl. 41—10)



A mosaic unit comprising a blank having its margin formed of straight sides, tongues extending from two of the straight sides, slots formed adjacent and parallel to the other of the straight sides of said blank, said slots each having a straight portion parallel with its adjacent blank margin and a curved portion opposing the straight side slots terminating in relatively narrow portions the length of the slot along the curved line being identical with the length only of the connecting points of the tongue of the blank to the opposite end of the tongue substantially as shown.

2,454,308

PRODUCTION OF ACRYLONITRILE

Harold S. Davis, Riverside, Conn., and Herbert A. Newey, Richmond, Calif., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Original application April 30, 1946, Serial No. 666,197. Divided and this application April 1, 1948, Serial No. 18,494. In Canada August 1, 1946
8 Claims. (Cl. 260—465.3)

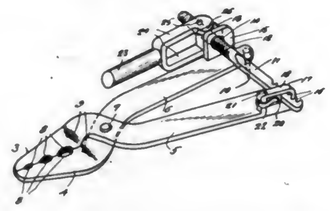
1. A method of producing acrylonitrile which comprises bringing acetylene together with hydrocyanic acid into contact with an aqueous acid reacting solution of a cuprous salt and zinc chloride, said solution also containing a salt of the class consisting of ammonium, amine, and alkali metal salts.

2,454,309

BOLT HOLDING TOOL

Evan W. Davis, Spokane, Wash.

Application April 16, 1945, Serial No. 588,678
2 Claims. (Cl. 81—13)



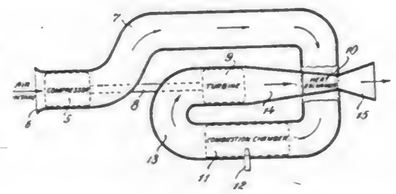
1. A bolt holding tool comprising jaws having handles extending rearwardly therefrom and pivoted in crossed relation to each other, said jaws being bent adjacent their rear ends and disposed in offset relation to the handles, a prong carried by one handle adjacent the rear end thereof for penetrating a wall through which a bolt gripped between the jaws passes and holding the tool and the bolt against turning movement, a bar extending between rear end portions of said handles, said bar being adjustably connected with one handle and slidably engaged with the other handle, a nut threaded upon said bar for engaging the last mentioned jaw and forcing the handles towards each other to move the jaws into gripping engagement with a bolt disposed between the jaws, and a handle for turning the nut pivoted to the nut and having cams for engaging the last mentioned jaw and exerting stress longitudinally of the bar to apply additional gripping force to the handles and the jaws.

2,454,310

HEAT EXCHANGER AND REACTION THRUST APPARATUS

Carl de Ganahl, Trenton, N. J., assignor to Kaiser Fleetwings, Inc., a corporation of California

Application May 24, 1944, Serial No. 537,140
3 Claims. (Cl. 60—35.6)



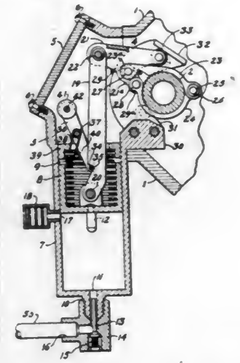
3. In an apparatus of the character described, an air compressor, a gas turbine, a driving connection between the compressor and turbine, a combustion chamber, a conduit for compressed air between the compressor and the combustion chamber, means for supplying fuel to the combustion chamber, a conduit for combustion products between the combustion chamber and turbine, a converging passage connected to the discharge of the turbine, a heat exchanger affording heat transfer between compressed air in the conduit therefor and the combustion products and a diverging discharge passage for the combustion products connected to the heat exchanger.

2,454,311

FLUID PULSATOR TRANSMISSION SYSTEM

George R. Ericson, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Original application October 24, 1939, Serial No. 301,009, now Patent No. 2,317,594, dated April 27, 1943. Divided and this application June 6, 1942, Serial No. 446,153.
5 Claims. (Cl. 60—62.5)



4. In combination with an engine having a part movable at variable speeds, an accessory device driven by a fluid motor, and a pulsator device having a fluid connection to said motor, a connection to said engine part for operation of said pulsator device thereby to cause pulsation, means for disconnecting said pulsator device from said engine part, and means to operate said pulsator device independently of said movable part and at a uniform speed independent of the speed of the engine.

2,454,312

HIGH-STRENGTH CORROSION-RESISTANT ALUMINUM ALLOY SHEETS

Thomas L. Fritzlen, Florence, Ala., assignor to Reynolds Metals Co., Richmond, Va., a corporation of Delaware

No Drawing. Application October 26, 1943, Serial No. 507,752
2 Claims. (Cl. 29—197.5)

1. A clad aluminum alloy composed of a core of a Duralumin type alloy having a cladding of an alloy composed substantially entirely of Si .50–.90%, Mn .25–.75%, Mg .80–1.2% and the balance aluminum, the alloys of the core and cladding having similar responsiveness to the same heat treatments, there being not over .6% Fe in any impurity content present in the cladding alloy.

2,454,313

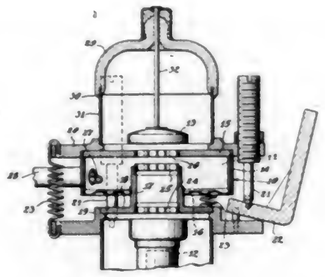
ELECTRONIC DEVICE HAVING A METAL COLLAR AND DISCAL RING SUPPORTING AN ELECTRODE FROM A RESONATOR

Albert J. Furst, Newark, and Jens J. Aakjer and Paul M. Dickerson, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 25, 1944, Serial No. 523,830
2 Claims. (Cl. 315—5)

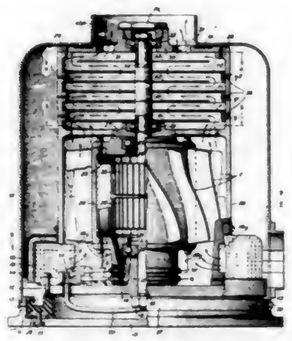
1. An electronic device comprising a cathode and an opposed electrode axially aligned there-

with; a cavity resonator having an end wall between said cathode and electrode transverse to the axis of said cathode and electrode; means supporting and enclosing said electrode comprising a stem extending from the electrode in a direction away from the cathode, a glass dome sealed to a part of said stem distant from said electrode, and a metal collar coaxially around said electrode having one rim directed away from



the cathode and sealed to the margin of said dome and having its other rim directed toward the cathode in a common plane with the edge of said electrode toward the cathode; and a discal ring interposed between said resonator wall and rim of said collar and defining the spacing of said wall and electrode and projecting radially outward from said collar and from said wall and providing support both for the resonator and for the said means.

2,454,314
VACUUM CLEANER
Edgar W. Gent, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 20, 1946, Serial No. 698,185
4 Claims. (Cl. 230—117)

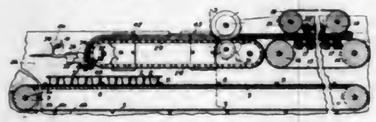


4. In a vacuum cleaner device, an electric motor having a stationary secondary member, a rotatable secondary member, a primary rotatable member common to each of said secondary members, a blower device of one character carried by said rotatable secondary member in one direction and a blower device of another character carried by said rotatable primary member rotatable in the direction of the first-mentioned blower at a different speed.

2,454,315
PROCESS FOR TREATING FISH PRESS WATER
James K. Gunther and Louis Sair, Decatur, Ind., assignors to Central Soya Company, Inc., Fort Wayne, Ind., a corporation of Indiana
No Drawing. Application January 12, 1946, Serial No. 640,998
15 Claims. (Cl. 99—2)

1. In a process for treating fish press water, the steps of subjecting the press water to the action of a proteolytic enzyme under conditions favorable to the action of the enzyme, to reduce the gel point of the press water, and concentrating the press water.

2,454,316
DOUGH CUTTER
Erwin Haecks, San Francisco, Calif.
Application October 3, 1947, Serial No. 777,675
4 Claims. (Cl. 107—21)



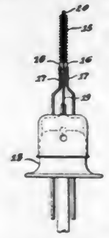
1. In a dough cutter, a conveyor for supporting an elongated sheet of dough, rotary knives spaced across the conveyor for dividing the dough into strips and trimming the edges of the sheet, means for deflecting the edge trimmings laterally, dough strip supporting belts diverging forwardly from beneath the spaces between said knives, and a pair of guide rollers positioned to receive the dough strips as they pass from the supporting belts and direct them downwardly.

2,454,317
SUSPENSION FOR PIPE TONGS
Allen E. Hambly, Huntington Park, Calif., assignor to Byron Jackson Co., Vernon, Calif., a corporation of Delaware
Application May 26, 1943, Serial No. 488,495
5 Claims. (Cl. 255—35)



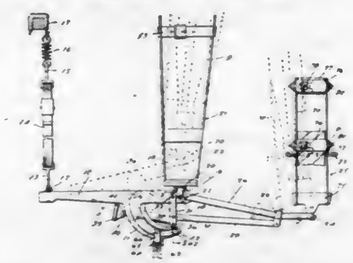
1. A pipe tong assembly for making and breaking joints in a string of pipe suspended vertically in a well derrick, said assembly comprising a pair of pipe tongs each having a laterally projecting lever, suspension means supported in the derrick, and means for independently supporting the tongs by the suspension means in vertically spaced relation in the derrick comprising a pair of hanger members each connected at its lower end to one of said tongs and at its upper end to the suspension means at a point directly above the center of mass of the tong, the intermediate portion of each of said hangers being offset laterally with respect to its upper and lower ends to define an open-sided recess of a depth at least equal to the width of the other tong lever and thus permit either tong to operate substantially directly above the other tong.

2,454,318
METHOD OF FABRICATING ELECTRON DISCHARGE DEVICES
William A. Hayes, Kearny, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 24, 1943, Serial No. 484,354
6 Claims. (Cl. 140—71.6)



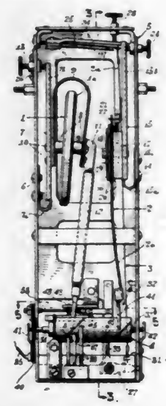
1. A method of manufacture of filamentary devices comprising mounting a coiled electrode on a destructively disintegrable unitary preformed hollow mandrel, applying a rod through the mandrel, welding said coiled electrode in place on said rod in said device while the coiled electrode and rod are held in spaced relation by said mandrel, destructively disintegrating the mandrel in place, and removing the product of disintegration from within the coil.

2,454,319
TRACTION SPLINT
Philip Harry Henderson, Los Angeles, Calif.
Application May 13, 1947, Serial No. 747,688
5 Claims. (Cl. 128—84)



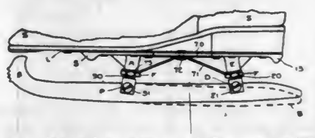
1. In a traction splint, an injured leg-engaging splint including a bone pin, a traction bar pivotally secured to the extremity of said splint, a jack bar pivotally secured to the other end of said traction bar, a sound leg-engaging boot pivotally secured to said jack bar, an offset portion extending from said jack bar, a cylinder having a radial threaded bore therethrough pivoted in said offset portion, a jack screw engaging in said bore, a link pivotally secured to the extremity of said jack screw, a pivotal connection between the other end of the link and said jack bar, a traction pressure bar pivotally secured at one end to an intermediate portion of said link and at the other end to said traction bar, and means for securing the free end of said jack bar.

2,454,320
HYGROMETER AND SWITCH FOR RADIOSONDES
John Hornbostel, Glen Ridge, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application May 15, 1943, Serial No. 487,425
8 Claims. (Cl. 200—52)



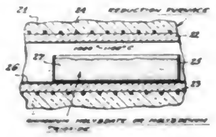
1. A temperature-compensated suspension for a hair hygrometer the strands of which tend to vary in length with changes in temperature within a predetermined range and tend to remain substantially fixed in length at temperatures beyond said range, comprising a spring member connected to said strands at one end and holding the strands under tension; and a temperature-sensitive member arranged to be operatively free from said spring member at temperatures outside said predetermined range and to be operatively connected to said spring member to influence the same to varying amount upon changes of temperature within said predetermined range.

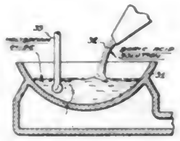
2,454,321
CONVERTIBLE SKATE
Jack W. Howard, Brigham, Utah
Application June 9, 1945, Serial No. 598,519
8 Claims. (Cl. 280—7.13)



8. An ice skate hanger post for use with a roller skate having a threaded hanger attaching post hole, said post having a shank threaded to fit said threaded hanger attaching post hole and a head with a skate blade attaching hole extending through it, a skate blade slot perpendicular to the skate blade attaching hole, and an attaching member which passes through the skate blade slot and the skate blade attaching hole.

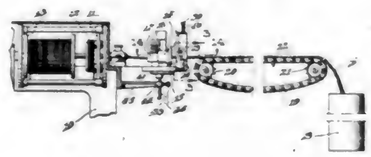
2,454,322
MANUFACTURE OF MOLYBDENUM
Charles V. Iredell, Essex Fells, and Robert J. Enrico, Union City, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 17, 1946, Serial No. 662,698
10 Claims. (Cl. 75—84)





1. The method of manufacturing molybdenum, comprising reducing a compound selected from the group consisting of molybdenum trioxide and ammonium molybdate to an oxide lower than said trioxide, doping with a small percentage of boric oxide, and reducing in hydrogen, whereby substantially all of the boron is removed as a hydride and the resulting metal has improved qualities.

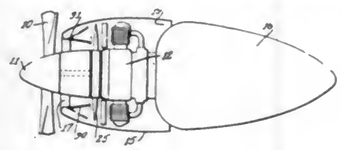
2,454,323
SPINNING MEANS AND METHOD
Edward H. Jackson, Jr., Temple, Pa.
Application October 22, 1946, Serial No. 704,803
20 Claims. (Cl. 57—36)



1. In a spinning machine of the character described, the combination with a flier head, a nipper, and means for positively feeding to said nipper a sliver of the proper size to produce a strand of the desired tensile strength, of freely rotatable roller means positioned intermediate the nipper and sliver feeding means adapted to effect substantially parallel side-by-side arrangement of the individual fibers of the sliver before movement of the latter into the nipper.

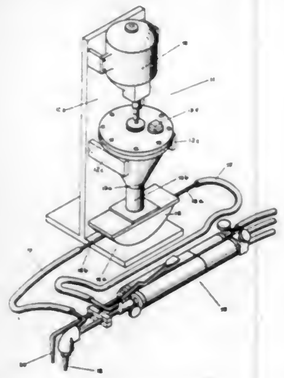
2,454,324
CONTROL FOR ENGINE COOLING BLOWERS
John G. Lee, Farmington, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 7, 1944, Serial No. 539,218
3 Claims. (Cl. 230—114)

1. In a device of the character described, a fan having an annular pumping region with outer and inner limits, means providing an annular opening for a stream of cooling air to reach said fan, and adjustable means comprising flaps pivoted at their forward ends and terminating adjacent said fan at the rearward ends of said



flaps, said flaps being adapted to cut off a predetermined annular portion of said region.

2,454,325
COMBUSTION CUTTING OF STAINLESS STEEL
George Edwin Linnert, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
Application February 17, 1945, Serial No. 578,535
7 Claims. (Cl. 148—9)

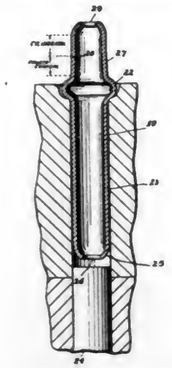


1. In a method of combustion-cutting stainless steel, the art which includes heating the metal to be cut to a temperature sufficiently high for supporting combustion with an oxygen cutting stream, injecting into said oxygen cutting stream a flux consisting of at least one carbonate of the group sodium carbonate and sodium bicarbonate, and subjecting said heated metal to the oxygen cutting stream and included flux.

2,454,326
BASE AND CONTACT FOR ELECTRICAL DEVICES
William Makenny, Mountainview, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1943, Serial No. 516,014
6 Claims. (Cl. 173—361)

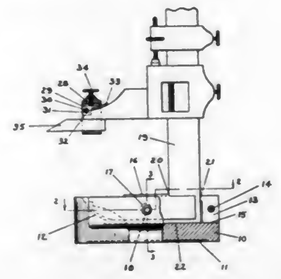
1. A hollow metal pin the outer surface of which is divided by a hollow peripheral collar, that portion of said pin on one side of said collar being relatively long and generally cylindrical, and that portion of said pin on the other side of said collar being preformed to taper therefrom slightly for about half the distance to the end of the pin to a smaller diameter and then continue generally cylindrical in order to provide a tight radial fit when inserted in a cylindrical aperture, of diameter slightly smaller than the

maximum diameter of said tapering portion, but slightly larger than said cylindrical portion, in



a base for an electrical device to form a contact therefor.

2,454,327
BASE FOR HOLDING VERNIER CALIPERS
Frank Maisom, Maplewood, N. J.
Application June 12, 1944, Serial No. 539,861
2 Claims. (Cl. 33—169)

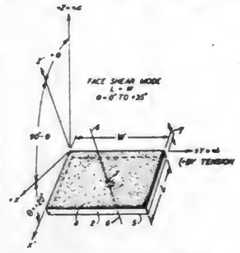


2. A base for holding a vernier caliper, said base comprising a body having front and rear ends and a slot extending from said rear end to close to said front end to receive the stationary jaw of the vernier caliper, a gib comprising a plate located in said slot intermediate said ends and a flange adapted to extend over said jaw, said plate having a blind countersink on the side furthest from said jaw, a screw mounted in said body and adapted to enter said countersink to force said plate against the jaw, an insert located in said slot at said rear end and adapted to engage said jaw, and a pin carried by said body and holding said insert, said plate, said flange and said insert holding the vernier caliper upright in the base.

2,454,328
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1946, Serial No. 657,885
17 Claims. (Cl. 171—327)

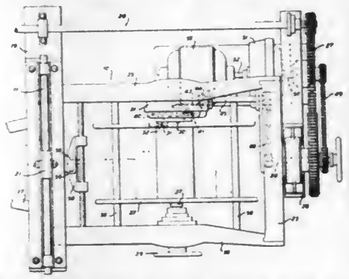
1. A rotated Z-cut type di-potassium tartrate hemihydrate crystal element of low temperature coefficient of frequency having a major plane

section disposed substantially parallel to the Y axis and inclined at one of the angles substantial-



ly from +15 to +25 degrees with respect to the +X axis.

2,454,329
TAKE-UP MECHANISM
Harry H. Merwin and Axel C. Nystrom, Rutherford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 28, 1947, Serial No. 788,466
3 Claims. (Cl. 57—69)

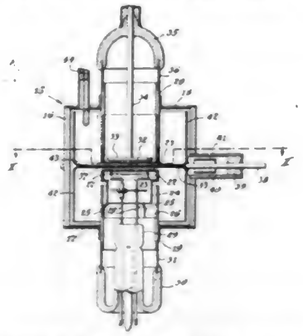


1. A takeup mechanism comprising a cradle, relatively movable centers carried by the cradle to support a takeup reel for rotation about its axis, means in the cradle to support the reel before the reel is mounted between the centers and after it is released from the centers, means to rotate the cradle about an axis extending transversely of the reel axis, and means to simultaneously drive one of the centers to rotate the reel about its axis to wind material thereon.

2,454,330
POSITIVE GRID OSCILLATOR
John W. McNall, East Orange, and Alfred H. Laidig, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1944, Serial No. 530,890
6 Claims. (Cl. 315—6)

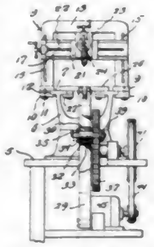
1. An electronic device comprising a cylindrical outer wall having end walls, said cylindrical outer wall and end walls forming a hollow enclosure, collars projecting from said end walls toward each other within said enclosure coaxial with said cylindrical outer wall, an electron-pulling electrode within and next the inner end of one of said collars and electrically insulated therefrom, a grid fixed to the electrode-containing collar in spaced parallelism to said electron-pulling electrode, a second grid parallel to and spaced from the first said grid and having a part therefrom projecting radially through the said

cylinder, and a cathode parallel to and on the opposite side of the second grid from the first



grid and axially aligned with said electron-pulling electrode for directing electrons through the said grids toward said electrode.

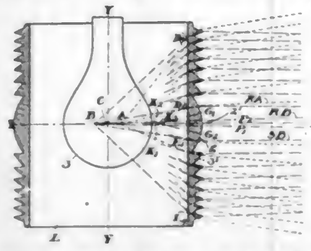
2,454,331
PLANER ATTACHMENT FOR LATHES
Joe W. Miller, Brunswick, Ga.
Application December 1, 1944, Serial No. 566,189
2 Claims. (Cl. 90—37)



1. A planer attachment for lathes comprising in combination a work-supporting bed slidably mounted on the lathe, a tool carrier, means for securing the carrier in longitudinally adjusted position on the lathe, said carrier having spaced parallel vertically extending slots, a horizontal tool rail, means for securing the ends of the rail in vertically adjusted position in said slots, a block slidably mounted on the rail for movement laterally of the lathe, a tool holder, and means connecting the tool holder to the block for vertical adjustment of the holder relative to the block.

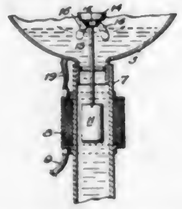
2,454,332
LENS FOR LIGHTING EQUIPMENT
Percival H. Mitchell and Scott Malcolm, Toronto, Ontario, Canada
Application February 9, 1944, Serial No. 521,736
6 Claims. (Cl. 240—106.1)

6. A lens developed in a plane through its axis and by rotation about the axis describing an annular refracting member, the axis lying in the plane of development having a focal plane at right angles and an incandescent flat circular light source coincident with the focal plane and centered on the axis and the plane of development cutting the circular light source in two points on opposite sides of the axis each point being equidistant from the axis, the inner face of the lens system being a continuous line and the outer face of the lens system being composed of curvatures forming lens elements, the lens elements respectively having their focus at one of the two points on the circular filament in the plane of development and each lens portion having such inner



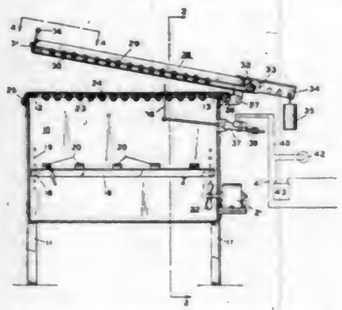
and outer cross-sectional boundary profiles in the plane of development which will refract and project incident rays from the source at the focus to be directed radially in planes having definite angular relation to the focal plane.

2,454,333
ELECTRIC DRAIN STOPPER
James M. Moon, Graham, N. C.
Application November 5, 1945, Serial No. 626,797
2 Claims. (Cl. 4—295)



1. A drain structure including a seat, a drain pipe, a magnetic means on the drain pipe, a core in the drain pipe, a stopper carried by the core, said stopper being provided with water operated legs adapted to spread out as they pass downwardly through water to butt the drain structure and support the stopper in unseated position.

2,454,334
MATRIX PREDRIER
William T. Moir, Sherwood, Oreg.
Application June 4, 1947, Serial No. 752,453
5 Claims. (Cl. 34—143)



1. In a matrix dryer of the character described, a housing open at the top, heating means within said housing, spring elements stretched across the top of said housing, a matrix-supporting sheet of material stretched across the top of said housing and over the tops of said spring elements, a matrix-retaining cover member, means for hingedly mounting said cover member to the housing above said matrix-supporting sheet of material, said cover member including a frame, spring elements stretched across said frame, and a second sheet of material stretched across said cover below said second-mentioned spring elements, said cover member so arranged that, when a matrix is placed on said first-mentioned sheet and said cover member is then closed, the second sheet will rest against the upper face of the matrix.

2,454,335
SHOE CLOSURE
Hayden Nichols, Salt Lake City, Utah
Application July 19, 1947, Serial No. 762,096
2 Claims. (Cl. 24—140)

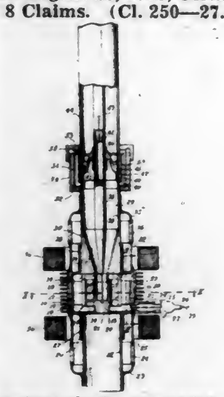


2. In a shoe having an upper terminating in contiguous flaps provided along their opposed edges with a plurality of eyelets arranged in opposed relation, means interconnecting the flaps for changing the distance between them, said means comprising a single lace threaded through all the eyelets, the ends of the lace being joined to form an endless lace loop, portions of the lace lying within the row of eyelets being straight when the flaps are at their maximum distance apart, at least one flap having an anchor device positioned exteriorly of the eyelets, whereby when said straight portions of the lace are moved out of straight line and engaged with an anchor device the distance between the flaps will be decreased.

2,454,336
PROCESS FOR THE TREATMENT OF GOLD- AND SILVER-BEARING ORES, RESIDUES, AND OTHER PRODUCTS
Arthur Frederick Bernard Norwood, Daikeith, Victoria, Australia
No Drawing. Application November 19, 1946, Serial No. 710,942. In Australia January 21, 1946
3 Claims. (Cl. 75—113)

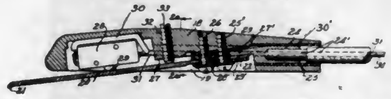
1. A process for the treatment of gold- and silver-bearing ores, residues and other products consisting of forming the finely divided material into a charge containing carbonaceous material, a source of sulphur, and a large amount of a soluble chloride such as common salt; roasting this charge at a temperature about, but not above 700° C. so as as to convert an economic proportion of the gold present into a form amenable to subsequent cyanide treatment; extracting the gold with cyanide; and then forming the treated residues into a charge containing carbonaceous material, a source of sulphur and a large proportion of soluble chloride such as common salt; roasting this charge, preferably at a higher temperature about 100 C. higher than previously; and extracting soluble gold from the roaster calcines obtained.

2,454,337
ELECTRONIC DEVICE
Ernest C. Okress, Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 28, 1945, Serial No. 613,068
8 Claims. (Cl. 250—27.5)



1. A magnetron device comprising a cylindrical housing having end walls, a sleeve of quarter wave length depth projecting outwardly from one of said end walls, anode supporting means extending coaxially of said sleeve and out of contact therefrom and having an end wall in the plane of said end wall of the housing having the sleeve, an anode mounted on said supporting means coaxially within the housing, and a cathode coaxially around said anode and within the housing.

2,454,338
APPARATUS FOR WELDING
Albert F. Pityo, Clifton, and Harry E. Butterfield, Jr., Maplewood, N. J.
Application June 13, 1947, Serial No. 754,410
6 Claims. (Cl. 219—4)

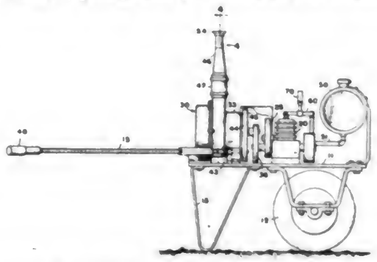


1. In welding apparatus, electrodes for receiving work between them and to receive current from a welding circuit, at least one of the electrodes being a resilient elongated blade, a handle carrying the resilient elongated blade electrode and extending longitudinally of the resilient electrode and overlapping therewith, a switch for closing the welding circuit mounted upon the handle and having a movable part arranged to be shifted by the flexing of the resilient elongated blade electrode, and an adjustable element mounted upon the handle and engaging the resilient elongated blade electrode to regulate its tension.

2,454,339
SPRAYER
Samuel F. Potts, Hamden, and Roderick A. Spencer, Stafford Springs, Conn.; dedicated to the free use of the People in the territory of the United States
Application October 31, 1947, Serial No. 783,424
5 Claims. (Cl. 261—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

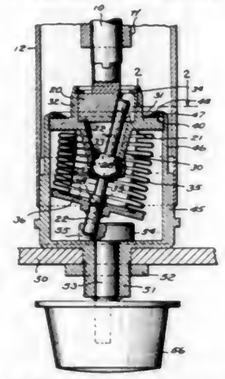
1. A sprayer provided with a blower for producing a high velocity and volume of air, a noz-

zle through which the air is ejected mounted on the blower, a pump for pumping liquid material into the air stream and a power means for operating the blower and pump, characterized in that the blower, pump and power means are mounted



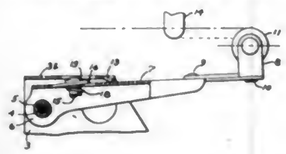
on a truck having projecting handles for guiding and propelling the same, the blower being mounted to pivot in a substantially vertical plane and a handle of the truck being provided with a control mechanism for pivoting the blower.

2,454,340
SEALED TRANSMITTING MECHANISM
Wladimir A. Reichel, Hackensack, N. J., assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y., a corporation of New York
Application July 18, 1945, Serial No. 605,743
3 Claims. (Cl. 286—29)



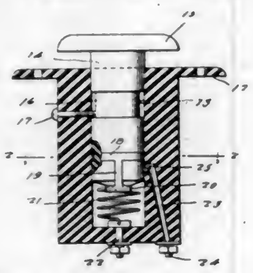
1. A fluid tight motion transmission coupling for making external connection to a rotative part within a casing, comprising a housing, a bearing plate fitting within and closing one end of the housing, a flexible bellows having a head sealed to one end and having its other open end entered within the joint between the housing and the plate and flanged over the edge of the plate outside the joint, a ring of solder applied externally at the joint and hermetically sealing the joint and securing the open end of the bellows both to the plate and the housing, the bearing plate having a bracket extending into the bellows and terminating in a spherical bearing, a nutatory shaft having a spherical part intermediate its ends mounted in the bearing, one end of the shaft being adapted for connection through the plate to the rotative part and the other end of the shaft protruding through the said head and being fastened and sealed thereto, a driving shaft journaled in the other end of the housing, and means eccentrically connecting the driving shaft with the protruding end of the nutatory shaft.

2,454,341
SWITCH OPERATING MECHANISM
Paul T. Repka, Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application September 7, 1944, Serial No. 552,963
11 Claims. (Cl. 200—153)



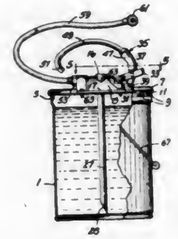
1. An over-travel actuator for a plunger operated electric switch comprising a bracket for attachment in a fixed position relative to the housing of the switch, an actuator arm pivotally supported on said bracket for rotation toward and away from the switch to operate the same, a metal member carried by and integral with said arm shaped and positioned to be bendable with respect to said arm, and means supported on said member for contacting the plunger to operate the switch, the bending of said member relatively to said arm being arranged to alter the angular position of the arm on its pivot at which the plunger is actuated.

2,454,342
DOOR CHIME CONTROL SWITCH
William H. Ross, Phoenix, Ariz.
Application December 30, 1947, Serial No. 794,727
1 Claim. (Cl. 200—159)



A momentary action electric switch, comprising a casing formed of insulating material and provided with a cylindrical bore and having an end, an axially shiftable cylindrical plunger mounted within the bore and provided near its longitudinal center with an annular groove forming inner and outer stop shoulders, a stop secured to the casing and projecting into the groove and engageable by the shoulders to limit the inward and outward axial movement of the plunger, an annular conducting ring surrounding the plunger near its inner end and embedded in the plunger and flush with the periphery of the plunger, an axial conducting extension carried by the conducting ring and embedded in the plunger and extending axially inwardly to a point adjacent to the inner end of the plunger, a compressible conducting coil spring disposed within the bore inwardly of the plunger and having its outer end electrically connected to the axial extension and serving to bias the plunger outwardly, a terminal bolt mounted upon the end of the casing and extending into the bore and being electrically connected to the inner end of the spring, and a single generally axial conductor embedded in the wall of the casing and including a radial contact element extending into the bore near the longitudinal center thereof for momentary engagement by the conducting ring when the plunger is shifted inwardly and outwardly, the generally axial conductor forming a second terminal bolt at the end of the casing, the casing wall completely enclosing the generally axial conductor so that no part thereof is exposed at the outer surface of the casing.

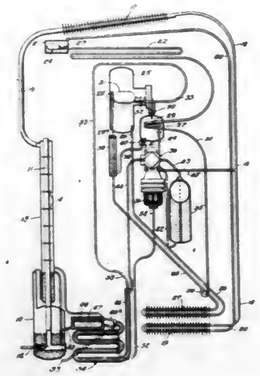
2,454,343
PUMP FOR REMOVAL OF LUBRICANTS FROM CONTAINERS
Lutwin C. Rotter, Maplewood, Alexander P. Fox, University City, and Carl H. Mueller, Ferguson, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application September 8, 1944, Serial No. 553,224
7 Claims. (Cl. 222—82)



1. A lubricant pump adapted for attachment to the relatively light lid of a portable commercial lubricant container, comprising a body portion formed to provide a horizontal pad having a lower surface adapted to engage the upper surface of said lid and to be attached thereto, and also to provide a horizontal cylinder above said pad, a horizontally reciprocating plunger in said horizontal cylinder of said body portion, a linkage connecting the body portion and said plunger, said linkage including a pump handle, said handle being angled over the body portion for substantially vertical stroking in the plane of reciprocation of the plunger with operating thrusts being directed within the boundary of the lid, and a suction inlet extension on the underside of the body portion for extension through an opening in the lid and into the contents of the container.

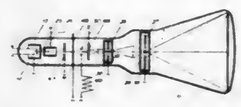
2,454,344
ABSORPTION REFRIGERATION SYSTEM
Joseph N. Roth, Belding, Mich., assignor, by mesne assignments, to Montcalm, Incorporated, Greensville, Mich., a corporation of Michigan
Application August 21, 1944, Serial No. 550,402
8 Claims. (Cl. 62—5)

1. In an absorption refrigeration system having a still adapted to have refrigerant vapor boiled out of liquid therein, a condenser, an evaporator, an absorber, and operative connections therebetween, these connections including liquid flow circuit connections between the still and the absorber, one of these latter circuit connections including a movable element for controlling the flow of fluid therethrough, control apparatus including; actuating means for moving said movable element, this means having a temperature responsive portion; means providing a first flow path for refrigerant vapor leaving the still this path being in heat exchange relation with said temperature responsive portion and coinciding in part with the path of flow of liquid returning from the absorber to the still; and means providing a second flow path for refrigerant vapor



leaving the still, the construction and arrangement being such that vapor flows through said second path only when vapor flow through said first path is blocked by liquil returning to the still.

2,454,345
CATHODE-RAY DEFLECTION TUBE WITH ELECTRON LENSES
Reinhold Rüdenberg, Belmont, Mass.
Application May 25, 1945, Serial No. 595,850
14 Claims. (Cl. 250—160)

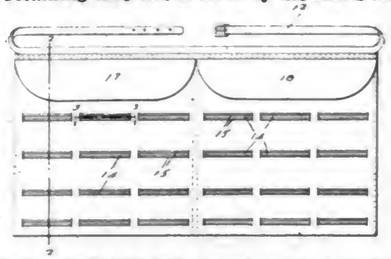


1. In a cathode-ray tube, an electron gun for producing a substantially homogeneous electron beam, a deflection system adapted to be submitted to charges varying according to the change with time of incoming signals and to produce corresponding varying deflections of said beam, a beam-responsive member, and a magnifying electron lens system between said deflection system and said beam-responsive member for projecting, by means of the supplemental field produced by said magnifying lens system, a magnified image of said deflections upon said beam-responsive member; in combination with a reducing electron lens system disposed in the path of said electron beam, between said electron gun and said magnifying lens system and adapted to reduce said beam to a fine spot on said beam-responsive member.

2,454,346
NAIL POUCH
Edward J. Scarlett, Monument, Colo.
Application August 22, 1947, Serial No. 770,094
3 Claims. (Cl. 1—49.7)

1. A nail pouch comprising a body of pliable material providing a receptacle having a reinforced front face, said face having a plurality of elongated slots for receiving the pointed ends of

nail-like articles, said slots having flexible lips for retaining nail-like articles by the heads there-



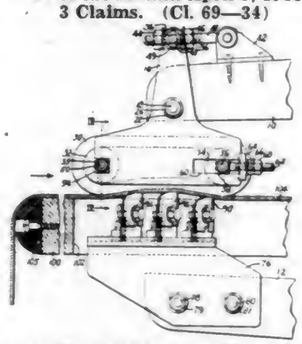
of and yieldable on the application of a moderate force to release said articles.

2,454,347

STAKING MACHINE

Gustav A. Schettler, Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine

Application March 3, 1947, Serial No. 731,958
In Great Britain April 9, 1946
3 Claims. (Cl. 69—34)



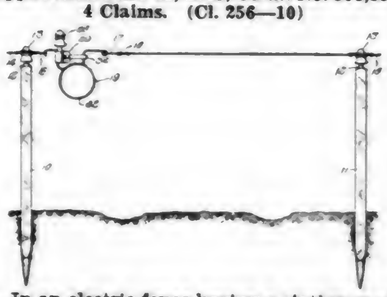
1. In a leather staking machine of the character described having two opposed and cooperating jaws, one of said jaws being provided with rollers supporting an endless resilient belt, and the other jaw carrying a staking tool arranged to press a skin to be treated against said belt.

2,454,348

LATCH FOR ELECTRIC FENCE GATES

Lorell John Schilling, Galesville, Wis., assignor to Babson Bros. Co., a corporation of Illinois

Application June 11, 1945, Serial No. 598,837
4 Claims. (Cl. 256—10)



1. In an electric fence having a stationary wire portion and a movable gate wire portion, a latch for connecting said portions, comprising: a heavy wire member comprising a relatively large downwardly extending resilient loop having one end portion adapted to be normally permanently attached to said gate wire portion and having its other end portion adapted to be readily attached to and detached from said stationary wire portion; a support member extending upwardly from the last mentioned end portion of the heavy wire member; and a handle comprising a skirted insulator mounted on said support member, the center of gravity of said latch being below a line through its attachment portions.

2,454,349

PROCESS FOR TREATING AQUEOUS LIQUORS CONTAINING UNSATURATED ORGANIC COMPOUNDS FOR RECOVERING THE SAME

Arthur Schwerdle, New York, N. Y., assignor to Frank J. Sowa, New York, N. Y.

No Drawing. Application April 14, 1945, Serial No. 588,424
5 Claims. (Cl. 260—514)

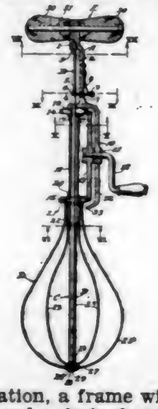
1. In a process for the treatment of aqueous waste liquors containing maleic acid for the recovery of the maleic acid therefrom, the steps comprising bringing said aqueous waste liquor into contact with a conjugated diene selected from the group consisting of aliphatic, alicyclic and oxygenheterocyclic dienes, agitating said mixture, whereupon said diene condenses with the maleic acid in said waste liquor with the production of a water-insoluble alicyclic dicarboxylic acid and separating said acid from said waste liquor, said diene being used in an amount at least equal to the mole equivalent of said maleic acid.

2,454,350

BEATER

William P. Shores, San Francisco, Calif.

Application June 14, 1948, Serial No. 32,807
2 Claims. (Cl. 259—132)



1. In combination, a frame with a handle and having a bore and a fork-shaped portion registering with the bore, a stem having one end removably receivable in the bore and its other end provided with a pair of stepped shoulders, the stem when received in the bore also being engaged by the fork, means for removably securing the stem to the frame, a beating member rotatably mounted on the stem and having one end bearing on one of the shoulders, a gear and tubular shaft disposed at the other end of the member, a second beating member rotatably mounted on the stem and having one end bearing on the other shoulder and a gear mounted at

the other end and rotatable on the tubular shaft, a driving gear in mesh with the two other gears, and a crank carried by the frame and connected to the driving gear for rotating it.

2,454,351

PRODUCTION OF ALICYCLIC CARBOXYLIC ACIDS

Frank J. Sowa, Cranford, N. J., and Arthur Schwerdle, New York, N. Y.; said Schwerdle assignor to said Sowa

No Drawing. Application May 15, 1946, Serial No. 670,018
14 Claims. (Cl. 260—514)

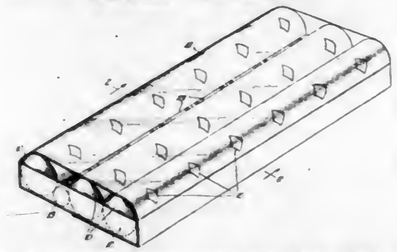
1. A process for reacting conjugated dienes with 1,2 unsaturated aliphatic carboxylic acid which comprises the step of contacting the reactants in the presence of a polar solvent for a period not exceeding about 90 minutes while maintaining the pH value of the reaction mixture below 7.

2,454,352

PACKAGE FOR ROLLS AND THE LIKE

Le Roy W. Staunton, Evanston, and Ralph L. Atkinson, Hinsdale, Ill., assignors to United Wallpaper, Inc., Chicago, Ill., a corporation of Delaware

Application March 29, 1946, Serial No. 658,016
6 Claims. (Cl. 206—47)



6. A package of the character described, comprising a plurality of cylindrical objects of two different diameters and lengths, all objects of the same diameter being of equal length and the objects having the smaller diameter being of a length which is an aliquot part of the length of the objects having the larger diameter, all said objects lying on a common plane disposed side by side with adjacent objects in contact with each other, said objects having the smaller diameter being longitudinally aligned to form at least one row of such objects of substantially the same length as each of said objects having the larger diameter, a tray associated with said objects for holding same, having width and length dimensions providing a snug fit for said objects collectively while the same are disposed in said tray in the manner described, said tray having a height less than the diameter of said objects, whereby portions of said objects are left uncovered by said tray, and a transparent wrapper for said objects and tray assembly, associated with the same and holding said objects against accidental displacement with respect to said tray.

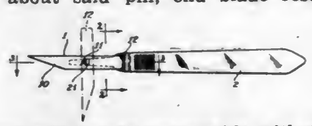
2,454,353

DETACHABLE BLADE SCALPEL

William E. Steele, Seattle, Wash.

Application June 4, 1946, Serial No. 674,209
4 Claims. (Cl. 30—339)

4. A detachable blade scalpel comprising a scalpel blade having a cutting end, a butt end and an aperture located between the side edges of the blade and generally centrally between said blade ends, a handle having a headed pin projecting laterally therefrom near one end thereof, the head of such pin being of a size to pass through the aperture in said blade and of a width transversely of the handle greater than the width, transversely of the blade, of that portion of the blade aperture adjacent to the butt end of the blade, side blade restraining means on said handle disposed close alongside opposite edges of the butt portion of the blade, when the blade is disposed substantially parallel to the handle, to restrain appreciable edgewise swinging movement thereof about said pin, end blade restraining



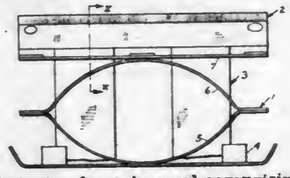
means on said handle engageable with the butt end of said blade to maintain said blade lengthwise with the edge of its aperture adjacent to the butt end of the blade substantially in engagement with the shank of said pin and with a portion of the blade adjacent to such aperture lodged beneath the head of said pin, and said handle having a raised portion spaced a substantial distance from said pin, underlying and engaging the butt portion of said blade and thereby springing such engaged blade portion under stress out of alignment with the portion of the blade at the opposite side of said pin and continually pressing the blade against the under side of the pin head.

2,454,354

LUBRICATOR

Richard H. Stiles, Plainwell, Mich.

Application May 28, 1945, Serial No. 596,190
4 Claims. (Cl. 308—88)



1. A lubricator for a journal comprising: a pad of oil conducting material and a backing therefor of oil conducting material; a tubular member of oil conducting material having a split portion of which one element extends in one direction along the underside of said backing material and another element extends in the other direction along the underside of said backing material; the body of said tubular member depending downwardly from the underside of said pad; and a frame resiliently supporting said pad and associated member; whereby the whole assembly may be placed within a journal housing containing an oil reservoir and a portion of said wick may be submerged in or within said reservoir.

2,454,355

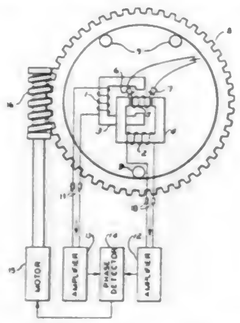
ELECTRIC MOTOR CONTROL SYSTEM

David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, a corporation of Pennsylvania

Application July 7, 1945, Serial No. 603,604
14 Claims. (Cl. 318—31)

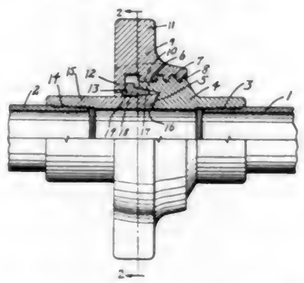
1. In a power follower, a first magnetic path having flux normally induced in a predetermined

direction along said path, means for angularly moving said path to change the direction of said flux, a pair of magnetic paths having pole faces angularly disposed with respect to each other, said first magnetic path, when in a predetermined position being in operative relation with one of said pairs of magnetic paths, with the pole faces of each in opposed relation for completing a magnetic circuit therewith, said same first magnetic path being at the same time in non-operative relation with the other of said pair of magnetic paths with their pole faces in right angle relation, the flux in said first magnetic cir-



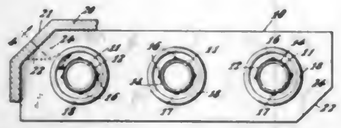
cuit dividing between said pair of magnetic paths as said first magnetic circuit is angularly moved to increase the flux flow from said first path to the second of said pair of paths and to decrease the flux flow from said first path to the first of said second pair of paths, a motor for rotating said pair of magnetic paths, and means controlled in accordance with the flux in each of said pair of magnetic paths for operating said motor to rotate said magnetic paths through an angle and in a direction determined by the change in direction of said flux in said first magnetic circuit.

2,454,356
RING SEALED JOINT
Homer E. Thornhill, Houston, Tex.
Application October 13, 1945, Serial No. 622,176
9 Claims. (Cl. 285—122)



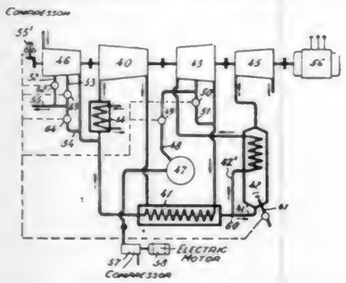
1. In a device of the character described, a tubular member having an opening therein with an open end, the inner surface of said opening having a flared zone and said member having a stop thereon, a tubular part adapted to enter said opening and abut said stop means and having a zone of its outer surface opposite said flared zone when said tubular part is in engagement with said stop means, said zone of said outer surface being tapered in a direction to provide a wedge-shaped space between it and said zone within the opening, annular means having a wedge-shaped cross section adapted to fit within said space, and means carried by said first tubular member for forcing said last mentioned means into said space and holding it therein.

2,454,357
FINNED RADIATOR CONSTRUCTION
James E. Tolan, Narberth, Pa., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application December 29, 1945, Serial No. 638,334
1 Claim. (Cl. 257—262.16)



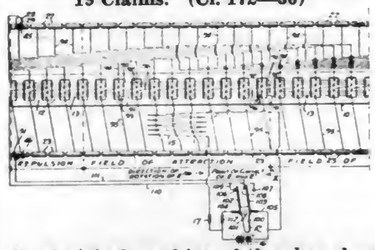
Heat exchange apparatus comprising tubing carrying a multiplicity of spaced substantially parallel thin sheet metal heat exchanging fins of generally rectangular shape, one or more corners of each fin being bent over at right angles along a diagonal line, the tip of the corner being bent inwardly again substantially at right angles and into a plane extending along the surface of the next adjacent fin, to provide spacer means for the fins and to also provide a diagonal corner supporting surface for the fin assembly.

2,454,358
OUTPUT REGULATION OF CIRCUIT TYPE GAS-TURBINE PLANTS
Walter Traupel, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application January 28, 1944, Serial No. 520,049
In Switzerland May 18, 1943
14 Claims. (Cl. 60—49)



13. A gas turbine plant comprising compressor means, a gas heater, at least one gas turbine having at least two pressure stages; conduit means forming a circuit for the working gas through said compressor means, gas heater and gas turbine, means for changing the sequence of pressures in the circuit in accordance with the load on the plant, a pipe for delivering make-up working gas to the circuit for raising the sequence of pressures when the load becomes greater, the pipe supplying the make-up working gas to the circuit at least in part at a point between two stages of the gas turbine.

2,454,359
ELECTRICAL MACHINE
Theodore W. Vickers, Los Angeles, Calif.
Application July 24, 1945, Serial No. 606,852
19 Claims. (Cl. 172—36)



1. An electrical machine of the class described comprising: two electromagnetic elements; means mounting said elements in hypocyclic relationship for relative rotation to define an air gap between the elements increasing in length from a point therebetween; means for energizing one of said elements to create a non-changing magnetic field; one of said elements having a circular set of electromagnets operating in said magnetic field; means for supplying current to said magnets to create a rotating field in which a predetermined number of the magnets will be maintained at one polarity while the remaining magnets will be maintained at the opposite polarity, so that forces of attraction and repulsion will be created across predetermined portions of the air gap, to move the rotatable element; and means by which flux variations in the cores of the magnets occurring as the magnets are successively shorted during rotation of the rotatable element, are caused to be transferred by transformer action to other magnets in such positions as will produce more torque in the fields of attraction and repulsion without increasing the amount of current consumed by the machine for a given output.

2,454,360
CARBALKOXYLATION OF ORGANIC COMPOUNDS
Vernon H. Wallingford, Ferguson, and August H. Homeyer, Webster Groves, Mo., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Original application July 30, 1942, Serial No. 452,916. Divided and this application January 10, 1945, Serial No. 572,262
7 Claims. (Cl. 260—475)

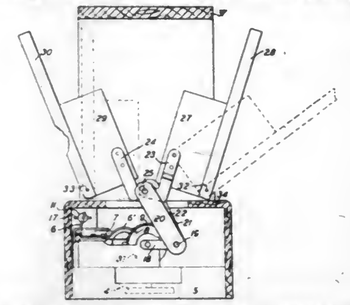
1. A process for simultaneously carbalkoxylating and metallating an ester of the type:

$$R—CH_2—COOR'''$$

where R is an aryl radical and R''' is a hydrocarbon radical, which comprises mixing said ester with an anhydrous alkali metal alcoholate and a large excess of a dialkyl carbonate over that required as a reactant, whereby one of the hydrogens of the CH_2 group is replaced by a carbalkoxyl group and the other hydrogen is replaced by an alkali metal.

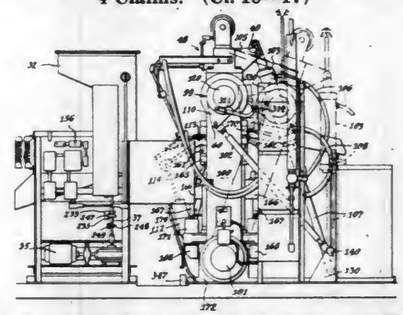
2,454,361
MUSIC BOX
Eric Wedemeyer, Floral Park, N. Y., assignor to Hamilton Art Metal Corporation, New York, N. Y., a corporation of New York
Application December 30, 1944, Serial No. 570,519
9 Claims. (Cl. 84—95)

3. A music box system comprising, in combination, a box, a housing mounted on top of said box and having two opposed open sides, individual swing doors for individually closing said sides, each swing door comprising a container extending into said housing, a motor and a mu-



sical instrument driven thereby disposed in said box, and link means connecting said motor and said containers for simultaneously swinging in opposite directions and thereby opening and closing said doors by said motor.

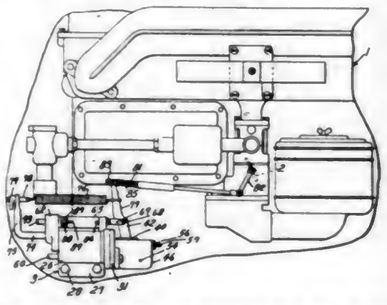
2,454,362
AUTOMATIC MOLDING PRESS
James B. Whitmore, Bloomfield, William Makenny, Mountain View, and Frank A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 21, 1942, Serial No. 439,893
4 Claims. (Cl. 18—17)



4. Apparatus for automatically molding plastic material comprising an upper mold block and a lower mold frame, a plurality of upper mold elements in said block and each provided with a depending prong, a corresponding number of lower mold elements in said frame and each comprising a shell portion and a lower portion provided with an upwardly-opening pocket to receive the prong of the registering upper mold element and form a hollow lug portion on an article to be molded, means mounting said upper mold block so that it is capable to being swung forwardly over and rearwardly from the lower mold elements, a switch so positioned on said mounting means that it is open when said upper mold member is retracted and closed when it is swung forwardly over the lower mold member, means mounting said lower mold frame so that it is capable of being moved up to and down from the upper mold elements when in their forward position, electrical mechanism for automatically controlling said apparatus, manually operable means for energizing said electrical mechanism to start automatic operation of the apparatus, mechanism operable under the control of said electrical mech-

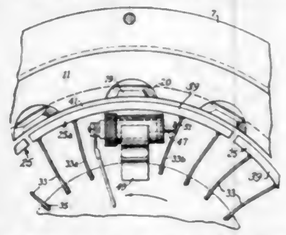
anism for delivering plastic pellets simultaneously to all of said lower mold elements, means for swinging the upper mold elements forward over the lower mold elements and after a predetermined time period returning them to normal position, a clock to time said period, means for moving the lower mold elements up to compress said pellets against the upper mold elements when the latter are in forward position to cause the prongs on the upper mold elements to partially enter the pockets in the registering lower mold elements to begin the formation of the lug and other portions of the articles being molded, means for then lowering the lower mold elements momentarily, to allow for the escape of gases trapped in said lower mold elements and in said pockets by the prong portions, and again raising them to fully compress the partially-formed plastic material against the upper mold elements while the latter are still in forward position, said momentary lowering and raising means comprising a shaft, a plurality of cams thereon, electrical switch devices which are opened and closed by said cams as turned with said shaft, a motor for driving said shaft at a desired speed, and wiring connecting said motor and switch devices to the circuit of said control mechanism, so that as the upper mold member is swung forward over the lower mold member its switch is closed to energize said motor and cause successive opening and closing of said switch devices whereby; first, as a safety measure a switch device is opened breaking a circuit of the control mechanism to keep the swingable upper mold member in forward operating position over the lower mold member; second, after the lower mold member has moved up almost to tight engagement with respect to said upper mold member about plastic material therein, a switch device is closed momentarily to cause it to drop for a breathing cycle; third, another switch device is closed to cause said lower mold member to return after said breathing cycle to tightly engage said upper mold member about said plastic material for a completion of the molding cycle, means operating after said timed period for moving said lower mold elements down to normal position, and means to raise said pocket-carrying portions in the shell portions of said lower mold elements and lift said articles therefrom for removal.

2,454,363
COMPRESSOR CONTROL MECHANISM
Wade H. Wineman, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application December 9, 1944, Serial No. 567,410
20 Claims. (Cl. 230—4)



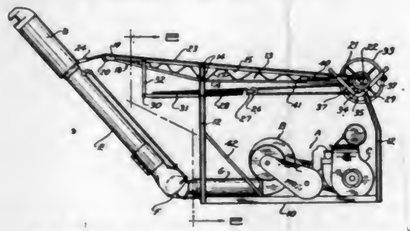
1. A speed regulating mechanism for a motor driven compressor comprising, in combination, means including a control element movable to vary the supply of operating fluid to the motor, means for yieldingly urging said control element in a direction to increase the supply of operating fluid, a plurality of pressure responsive devices for moving said control element against the action of said yielding means, said yielding means providing substantially the entire resistance to movement of said pressure responsive devices, means for subjecting one of said pressure responsive devices continuously to compressor discharge pressure, and means for subjecting another of said pressure responsive devices to compressor discharge pressure when a predetermined maximum pressure is reached.

2,454,364
EDDY-CURRENT TORQUE APPARATUS
Martin P. Winther, Waukegan, Ill., assignor to Martin P. Winther, Waukegan, Ill., as trustee
Application January 13, 1947, Serial No. 721,845
16 Claims. (Cl. 172—284)



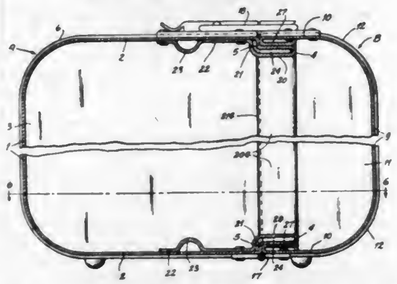
1. In apparatus of the class described, a driving member, a driven member, a field coil adapted to produce a flux field interlinking said members, the arrangement being such as to provide an inductive slip coupling between the driving and driven members whereby the driven member produces a reactive force upon the driving member, a circuit for said field coil, a control means in said circuit and mounted upon said driving member for movement therewith, a member resiliently mounted upon the driving member and responsive to said force to be deflected, and cooperative means between the resilient member and said control means such that force-induced deflection of the resilient means adjusts said control member to control current to said coil in a manner causing incipient reduction in said force.

2,454,365
WEED BURNING APPARATUS
Horace E. Woolery, deceased, late of St. Paul, Minn.; by Myra Lillian Woolery, executrix, St. Paul, Minn., assignor to Woolery Machine Company, Minneapolis, Minn., a corporation of Minnesota
Application January 26, 1946, Serial No. 643,714
6 Claims. (Cl. 126—271.2)



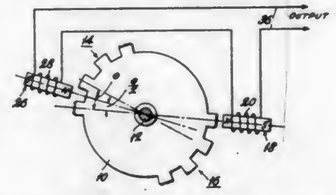
1. In a weed burning apparatus having an extending vertically swingable flame projector adjustable with respect to the forward end of a boom, means for raising and lowering the flame projector including a pulley at the outer end of the boom, a shaft at the rear end of the boom, a sprocket on said shaft, a chain connected at one end to the flame projector and trained over said pulley and sprocket, a spring anchored at one of its ends to the boom and having a movable connection at its opposite end to the chain to counterbalance the weight of the flame projector, and means for rotating the shaft and sprocket to raise and lower the flame projector.

2,454,366
SUITCASE VALANCE STRUCTURE
Richard H. Worley, St. Louis, Mo., assignor to Rice-Stix Dry Goods Company, St. Louis, Mo., a corporation of Missouri
Application June 27, 1945, Serial No. 601,852
3 Claims. (Cl. 190—28)



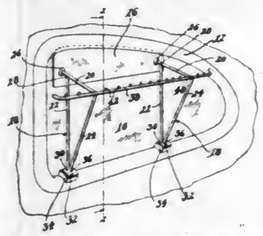
3. A suitcase or the like comprising a body having a bottom and side and end walls of sheet material, said side and end walls having integral marginal portions extending inwardly, thence upwardly and thence downwardly inside said body and in spaced relation to said upwardly extending portion to provide along the upper margin of said walls a hollow inwardly offset rim portion with a flat exterior ledge along the lower edge of said rim portion, said downwardly extending marginal portions of said side walls then extending outwardly so as to be positoned beneath said exterior ledge and thence downwardly therebelow.

2,454,367
WAVE GENERATING SYSTEM
Maurice Artzt, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1944, Serial No. 565,737
7 Claims. (Cl. 171—252)



1. In a tone generator, a tone wheel having a plurality of diametrically-opposed teeth arranged in groups, a pair of magnetic pick-up devices positioned adjacent the periphery of said tone wheel and offset from a diametrically-opposed relationship thereto, means for connecting said pick-up devices in series in an output circuit, means responsive to the passage of the individual teeth on said wheel when the latter is rotated to produce voltage changes in the said pick-up devices which are in phase addition in the said output circuit, and means responsive to the passage of the said groups of teeth on said wheel to produce voltage changes in the said pick-up devices which are in phase opposition in the said output circuit.

2,454,368
CLOTHES HANGER FOR VEHICLES
John V. Auskelis, Dorchester, and Joseph H. Martino, Mattapan, Mass.
Application October 4, 1947, Serial No. 777,922
6 Claims. (Cl. 224—29)



5. A hanger device for vehicles and the like, comprising a rigid plate having an upper marginal portion adapted for insertion upwardly into the glass-run-channel at the top frame portion of a vehicle window, a pair of legs rigidly secured to said plate at spaced locations therealong and extending downwardly therefrom in general parallelism, a foot on the lower end of each said leg for resting on the lower run of the window frame, a hanger rod, means extending between said rod and said plate and between said rod and the lower portion of each of said legs for supporting said rod rigidly in a generally horizontal plane outwardly of said plate, and means for adjusting the distance from said inserted margin of the plate to the frame-engaging surface of a said foot.

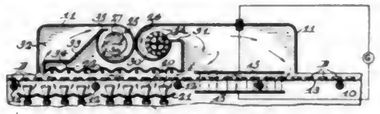
2,454,369
CATALYSIS OF HYDROCARBONS
John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 22, 1944, Serial No. 541,659
10 Claims. (Cl. 196—52)

1. The process for the production of normally liquid low boiling hydrocarbons from heavier hydrocarbons by cracking comprising contacting said heavier hydrocarbons under cracking conditions with a calcined composite of precipitated hydrous silica containing deposited zirconia and beryllia.

2,454,370
ELECTRONIC BAKING OVEN
de Gaspe Beaubien, Outremont, near Montreal, Quebec, Canada
Application June 25, 1946, Serial No. 679,144
1 Claim. (Cl. 219—35)

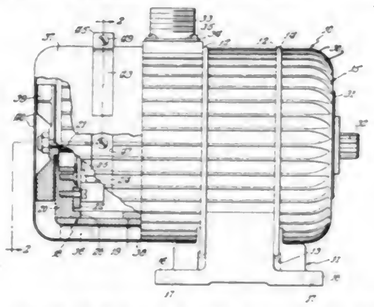
An apparatus for baking objects of food comprising, in combination, radiant-field heating means for removing moisture from said objects and toasting same, high-frequency dielectric-field heating means for baking said objects, an endless

band movable successively into the fields of said heating means and adapted to carry said objects, a cover enclosing the band and heating means, transverse outlet and inlet ducts formed in parallel relation in said cover and communicable with the radiant field and dielectric field, respectively, an elbow connecting said ducts at



the extremities opposite said fields, a blower in one of said ducts for circulating air in the ducts and fields, and said outlet duct having a restricted communication with the radiant field whereby air entering the duct therefrom is caused to expand, the temperature decreasing and some of the vaporized moisture condensing thereby.

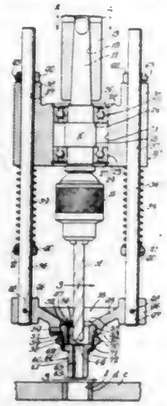
2,454,371
EXPLOSION-PROOF MOTOR
Donald M. Berges, Cleveland Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 8, 1946, Serial No. 675,501
5 Claims. (Cl. 171—252)



1. Cooling means for a heat generating mechanism having adjustable parts and a rotatable shaft, supporting means for said mechanism having openings to provide access to said adjustable parts, a shell having heat radiating fins, said shell being removably secured about said supporting means and over said openings, a fan connected with said rotable shaft and positioned externally of said supporting means, said fan causing a flow of air along said heat radiating fins, covering means surrounding said fan and fitting over a portion of the heat radiating fins of said shell, a groove formed in the fins of said shell, clamping means formed integrally with said covering means and adapted to be releasably secured in said groove to retain the covering means in place, said adjustable parts being made accessible by removal of said covering means and by relative movement between said supporting means and shell to expose the openings in said supporting means.

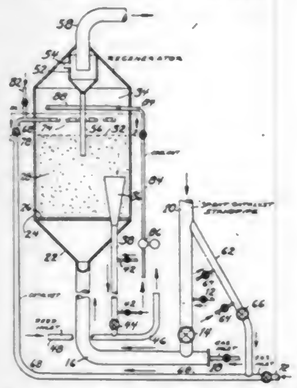
2,454,372
DRILL AND DRILL JIG BUSHING CARRIER ATTACHMENT
Henry Robert Billeter, Highland Park, Ill.
Application June 6, 1946, Serial No. 674,846
1 Claim. (Cl. 77—55)

A drill and drill jig bushing carrier assembly comprising a tool chuck shaft formed at one end for detachable engagement with a drill press spindle for support and rotation thereby and carrying a tool support at the other end for detachably receiving a tool, a drill jig bushing, a carrier for supporting said bushing in axial alignment with a tool in said tool support and for movement toward and away from the tool, and including a guide head, a guide element slidable in said guide head, a bushing holder carried at the end of said guide element away from said guide head and de-



tachably carrying said bushing, a spring acting between said guide head and said guide element for yieldingly urging said bushing holder away from said guide head, and adjustable stops on said guide element one of which serves as an abutment for said spring and the other of which is adapted to abut said guide head to determine the normal position of said guide element, and bearing means in said guide head journalling said tool support in said guide head.

2,454,373
FLUIDIZED CATALYST REGENERATION PROCESS WHICH INCLUDES OVERHEAD COOLING
Forrest H. Blanding, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 14, 1944, Serial No. 568,159
6 Claims. (Cl. 252—242)



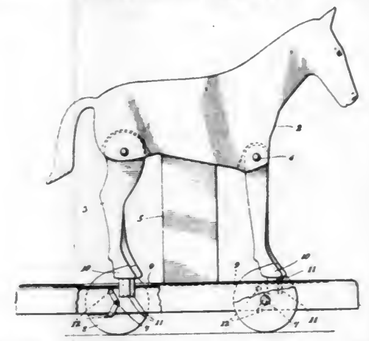
1. In a process for regenerating finely divided catalytic material containing combustible deposits wherein one stream of spent catalytic material containing combustible deposits resulting from a conversion treatment is discharged into a lower portion of an enlarged regeneration vessel through which an oxidizing gas is passed upwardly at a velocity controlled to maintain a relatively dense phase layer of catalyst undergoing regeneration in the bottom portion of the regeneration vessel, a stream of regenerated catalyst is separately withdrawn from the lower portion of said regeneration vessel at a rate adjusted to maintain the upper level of said dense phase layer at a substantial distance below the top of said vessel to form a disengaging space in the top portion of said regeneration vessel containing a relatively dilute phase of spent regeneration gas and entrained catalytic material and wherein the spent regeneration gas passing from the upper level of said dense phase into said dilute phase contains between about 3% and 4% free oxygen and a relatively high concentration of carbon monoxide; the method of preventing secondary combustion of said carbon monoxide by said excess oxygen in said dilute phase which comprises dispersing a second stream of unregenerated spent catalytic material from said conversion treatment free of uncombined oxygen into said dilute phase to reduce the free oxygen contained in said spent regeneration gas below about 1.6% by burning combustible deposits from said second stream of spent catalyst.

2,454,374
SHAVING KIT
Pete Bowlin, Lewiston, Idaho
Application March 18, 1947, Serial No. 735,383
5 Claims. (Cl. 30—47)



1. A shaving kit comprising a tubular handle, a pin extending transversely and diametrically through said handle intermediate the length thereof, a helical spring in said handle having upper and lower eyes, the lower eye being engaged about said pin, a blade holder, a yoke extending longitudinally of the blade holder and having arms at its ends fixed to ends of the blade holder and intermediate its length being crimped to form a bill, the upper eye of said spring being engaged about said yoke and slidably mounting the blade holder for movement from a retracted position in which it extends longitudinally in the handle with a portion protruding from the front end of the handle to an extended position for use in which it extends transversely of the handle across the front end thereof, the front end of the handle being formed with aligned transversely extending slots in which the yoke fits, the upper eye of the spring being seated in the bill when the blade holder is in the extended position and exerting pull to maintain the yoke in the slots, and a cap screwed upon the front end portion of said handle and enclosing the protruding portion of the retracted blade holder.

2,454,375
MECHANICAL TOY
Herman Bush, Union City, N. J.
Application August 13, 1946, Serial No. 690,159
1 Claim. (Cl. 46—107)



A toy having a platform with a post thereon, a figure fixed to the top of the post, said figure having depending legs pivotally connected at their upper ends to said body, the platform having longitudinal slots therein adjacent the lower ends of said legs, and bearings on said platform, axles in said bearings, and wheels for said axles, the legs having free extensions at the lower ends going through said slots and the axles having cranks disconnected from the extensions but in operative proximity to the latter to make repeated contact with the extensions and impart a free swinging movement to same and said legs about the pivotal connection thereof with said body, as the toy is rolled about on said wheels.

2,454,376
METHOD OF PURIFYING A RESINOUS LACTONE
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 28, 1945, Serial No. 607,667
10 Claims. (Cl. 260—344.6)

5. The method of producing a substantially colorless diguaiacol hydroxy lactone of the formula $C_{20}H_{22}O_7$ isolated from gasoline-insoluble pine wood resin which comprises forming a solution of said diguaiacol hydroxy lactone containing traces of color bodies in a water-soluble monohydric alcohol containing two to four carbon atoms, crystallizing said diguaiacol hydroxy lactone in the form of an alcoholate, separating said crystalline alcoholate, and removing the alcohol of crystallization from said alcoholate.

2,454,377
GRID SUPPORT STRUCTURE
Lucien B. Curtis, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1946, Serial No. 665,954
9 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising a first grid and a second grid, a support rod sup-

porting both said first grid and said second grid, said second grid completely enclosing said first



grid and forming with said first grid an unobstructed space therebetween, and a control electrode mounted within said space.

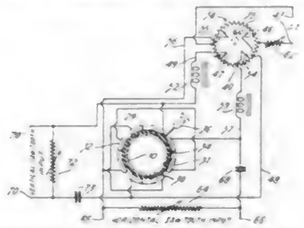
2,454,378

CATHODE-RAY TUBE APPARATUS

Stanley V. Forgue, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 28, 1945, Serial No. 596,206

7 Claims. (Cl. 315—31)



1. In combination, a cathode ray tube having a target and means for producing and directing a cathode ray beam toward said target, means for producing scanning deflection of said beam to cover a bidimensional pattern, means for insuring the landing of said beam when a deflection effect is absent at substantially the center of said target whereby said bidimensional pattern will be centered upon said target comprising means for producing a beam influencing field transversely of said tube, means to change the direction of said field, and means to change the polarity of said field.

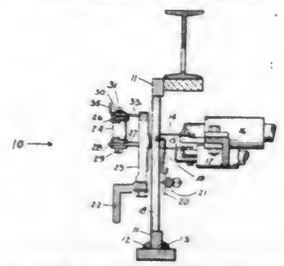
2,454,379

EMBROIDERY MACHINE

Bruno G. Fortuna and Emil Helliker, North Bergen, N. J.

Application April 4, 1945, Serial No. 586,482

5 Claims. (Cl. 112—95)



1. In an embroidering machine comprising a driver bar having slots formed therein, said machine further comprising a platen rod adapted to fit in said slots and a substantially arcuate spring clamp adapted to bear on said driver bar and platen rod to resiliently position said rod in said slots, said platen rod comprising an elongated body portion of substantially rectangular cross section and a sharply downwardly and outwardly curved tip portion extending parallel to said body portion and adapted to engage a shuttle guide of said machine, said platen rod further comprising at its opposite end a substantially vertically upward extending portion, said spring clamp further comprising an apron portion extending downward therefrom, the combination of recesses formed in the upper surface of said body portion adjacent said upward extending portion and finger portions formed on said apron portion and adapted to engage said recesses.

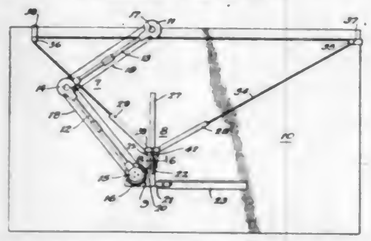
2,454,380

PERSPECTIVE DRAFTING ATTACHMENT

Francis Lee Goff, Bloomington, Ill., assignor of one-third to Edmund E. Hurst and one-third to John Warren Paxton, both of Bloomington, Ill.

Application January 17, 1947, Serial No. 722,495

2 Claims. (Cl. 33—77)



1. Drafting equipment comprising, a member formed with a shank adapted to fit a chuck, on a standard drafting machine a pair of straight-edges pivotally attached to said member, and positionable in various divergent angular relationships to represent the lines for a perspective drawing a bar superimposed on said member on a pin positioned between said straight-edge pivots with the ends of said bar disposed over the pivoted ends of said straight-edges, resilient means normally urging said bar out of contact with said straight-edge ends, a lever arm associated with said pivot pin and actuatable for depressing said bar against the action of said resilient means to contact said bar with said straight-edge pivoted ends for temporarily locking said straight-edges against accidental displacement during the drawing of lines therealong.

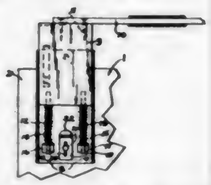
2,454,381

CLOTHES GUARD ATTACHMENT FOR IRONING BOARDS

Frederick P. Hammell, Washington, D. C.

Application June 23, 1947, Serial No. 756,482

6 Claims. (Cl. 38—111)



4. The combination of an ironing board and a fabric clothes guard therefor being detachably attached to said board on its lower side, means for supporting a pair of arms in parallel spaced relation at the opposite sides of the ironing board for movement laterally toward and away from said ironing board, arms on said means, a fabric guard strip supported on said arms, means for resiliently projecting said arms to their extended position, and a cushioning bumper for limiting the inward movement of said arms.

2,454,382

METHOD OF RESOLVING PETROLEUM EMULSIONS

John L. Harlan, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 14, 1945, Serial No. 616,457

4 Claims. (Cl. 252—334)

1. A process for breaking a petroleum emulsion of the water-in-oil type which comprises subjecting the emulsion to the action of a treating agent comprising a petroleum sulphonic acid body having an amino derivative attached to the hydrocarbon nucleous thereof.

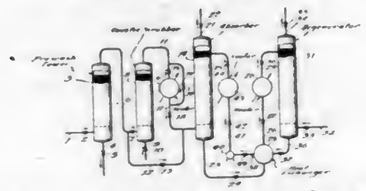
2,454,383

REFINING OF HYDROCARBON DISTILLATES

Jacob Benjamin Heid, Oak Park, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application September 29, 1945, Serial No. 619,409

2 Claims. (Cl. 196—32)



1. A process for refining hydrocarbon distillate containing mercaptans, hydrogen sulfide and an amount of carboxylic acids such that objectionable foaming occurs in the contacting of the distillate with caustic solution of a strength to remove the mercaptans, which comprises treating said distillate with a solution comprising a mixture of barium hydroxide and caustic of 5 to 15° Bé. to remove hydrogen sulfide and carboxylic acids, and thereafter treating said distillate with a caustic solution of 15 to 35° Bé. to remove mercaptans.

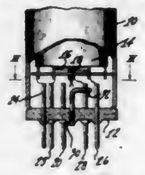
2,454,384

BUTTON STEM FOR ELECTRON DISCHARGE DEVICES

Thomas J. Henry, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 21, 1946, Serial No. 671,190

10 Claims. (Cl. 250—27.5)



1. An electron discharge tube comprising an envelope, a anode electrode, a control electrode and a cathode electrode, said electrodes being mounted within said envelope, a circular button stem portion sealed to one end of said envelope, a plurality of lead pins sealed in and extending through said stem portion, said lead pins mounted in a circle, means connecting a first one of said lead pins to said anode electrode, means connecting a second of said lead pins to said control electrode, a shield pin sealed through said button stem portion at the center of the circle, means within said envelope connecting said shield pin to said cathode electrode, said first and second lead pins being mounted in the same plane as said shield pin whereby said shield pin forms an electrostatic shield between said first and second lead pins.

2,454,385

MANUFACTURE OF FUMARIC ACID

Louis H. Howland, Watertown, and William F Brucksch, Jr., Bethany, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 27, 1946, Serial No. 665,631

6 Claims. (Cl. 260—537)

2. A method of converting a cis-alpha-beta unsaturated dicarboxylic acid to its trans isomer which comprises heating it to at least 50° C. in an aqueous medium in the presence of a compound of the formula

where R is a hydrocarbon group.

2,454,386

MANUFACTURE OF FUMARIC ACID

Louis H. Howland, Watertown, and William F. Brucksch, Jr., Bethany, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 27, 1946, Serial No. 665,632

1 Claim. (Cl. 260—537)

A method of converting maleic acid to fumaric acid which comprises heating the maleic acid in an aqueous solution with 4,5-dimethyl 2-mercaptothiazole.

2,454,387

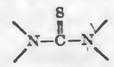
ISOMERIZATION OF MALEIC ACID TO FUMARIC ACID

Louis H. Howland, Watertown, and William F. Brucksch, Jr., Bethany, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 27, 1946, Serial No. 665,633

7 Claims. (Cl. 260—537)

1. A method of converting a cis alpha-beta unsaturated dicarboxylic acid to its trans isomer which comprises heating it in an aqueous medium with a compound containing the structural unit



2,454,388

DRAFTING EQUIPMENT

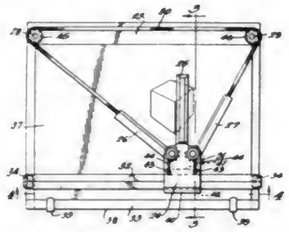
Edmund E. Hurst and John Warren Paxton, Bloomington, Ill., assignors of one-third to Francis Lee Goff, Bloomington, Ill.

Application August 20, 1945, Serial No. 611,516

12 Claims. (Cl. 33—77)

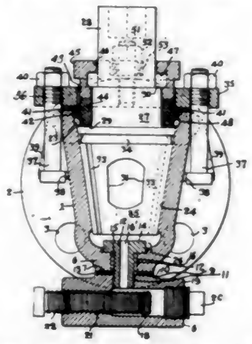
8. Drafting equipment of the class described comprising, a support providing a drafting sur-

face, means mounted on said support and movable in a plane parallel to said drafting surface between opposite edges of said support, a pair of straight-edges pivotally attached to said means, other means attachable to said support at spaced



points thereon, and a coiled spring connecting said straight edges with said other means and forming a loop between the ends of said straight-edges and which spring is kept in tension when said member is moved about said drafting surface.

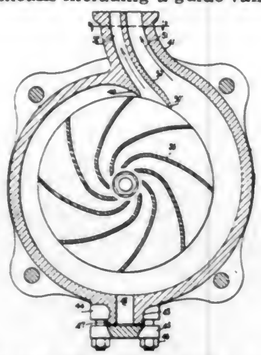
2,454,389
PLUG VALVE
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application July 8, 1944, Serial No. 543,994
4 Claims. (Cl. 251—103)



1. A valve for controlling the flow of fluid through a coupling, said coupling being provided with a main passageway and an angularly positioned bore communicating therewith, a valve plug within said bore adapted to rotate, said bore terminating in a recess immediately above the plug, a cover plate for the valve, and a washer of flexible material interposed between the cover plate and the top surface of the valve, said washer extending into said recess, and a sealing ring interposed between the inner edge of said washer and the plug.

2,454,390
CENTRIFUGAL PUMP
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application August 23, 1944, Serial No. 550,749
6 Claims. (Cl. 103—103)

1. In a pump, a casing of volute shape and having a single inlet and a single outlet passageway, an impeller mounted in the casing to force fluid from the inlet to the outlet passageway, a plurality of vanes mounted on said impeller, and means for preventing turbulence between the outlet passageway and the area immediately surrounding the impeller at the position where the passageway merges with the inter-vane space at the periphery of the impeller, said means including a guide vane extend-



ing through the outlet passageway and beginning at a position near the periphery of the impeller closest to the outlet passageway, and a projection extending inwardly from the casing as far as the impeller to separate the suction and pressure effects of the impeller.

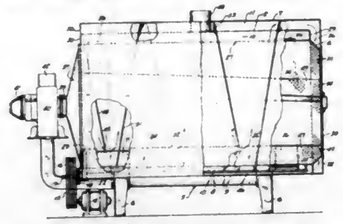
2,454,391
METHOD OF PRODUCING PRINTED FABRICS
Albert S. Jones, Dudley, and Gerald B. Stackpole, Oxford, Mass., assignors to Cranston Print Works Company, Cranston, R. I., a corporation of Rhode Island
No Drawing. Application September 23, 1944, Serial No. 555,596
1 Claim. (Cl. 117—15)

The method of producing pattern effects on textile fabrics comprising the steps of printing a pattern on the cloth with a wet printing paste containing essentially a polymerizable melamine formaldehyde resin resist which, upon polymerization, immobilizes the glazed fibres of a polished cloth, subjecting the cloth to heat without polymerizing the resin enough to immobilize the surface fibres so as to dry the printed cloth to a substantially dry condition and with such a low moisture content that the paste will not adhere materially to the rolls during polishing and be removed and transferred to other portions of the cloth, frictionally polishing the cloth between rotating, heated pressure rolls while it is in said dry condition and producing primarily a unidirectional glaze on the entire printed and unprinted areas of the cloth surface, heating the polished cloth and polymerizing the resin and thereby immobilizing the glazed surface fibres of the printed areas, and subsequently washing and drying the cloth and restoring a non-glazed condition to the unprinted areas, and thus forming a pliable printed cloth having a permanent pattern resulting from the contrast between the glazed and non-glazed areas.

2,454,392
TUMBLER
John P. Jorgenson, Wilmette, Ill., assignor to Kling Bros., Engineering Works, Chicago, Ill., a corporation of Illinois
Application February 5, 1945, Serial No. 576,332
8 Claims. (Cl. 34—133)

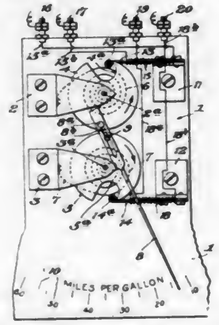
1. A tumbler comprising a garment-receiving cylinder mounted for rotation on a substantially

horizontal axis, means forming a heating chamber surrounding the periphery of said cylinder and within which said cylinder is rotatable, means forming a hot air chamber which is substantially an inverted U in cross section positioned radially outwardly from said heating chamber to which



heat is transferred from the heating chamber, heating means in the lower portion of the heating chamber which is not surrounded by the hot air chamber for directly heating the cylinder as the latter rotates, and means for causing circulation of heated air from said hot air chamber into and through the cylinder.

2,454,393
MILES-PER-GALLON METER
Charles Anthony Leonard, Cincinnati, Ohio
Application April 24, 1944, Serial No. 532,425
11 Claims. (Cl. 73—114)

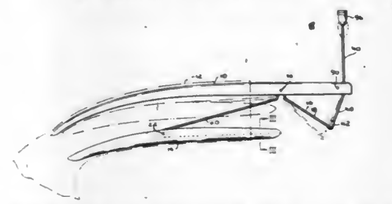


1. An efficiency meter comprising a plurality of independently movable members, first thermo-electric means responsive to the instantaneous rate of fuel supplied to the engine for moving one of said members, second thermo-electric means and independent from the first thereof responsive to the instantaneous speed of the engine for moving another of said members, and a pointer connected with said members and responsive to the combined movement of said members for indicating the instantaneous efficiency of said engine.

2,454,394
LUBRICATING OIL COMPOSITION
Eugene Lieber, New York, N. Y., and Edward P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 7, 1945, Serial No. 615,081
2 Claims. (Cl. 252—50)

1. A lubricating oil composition comprising a major proportion of waxy mineral lubricating oil containing dissolved therein a minor but pour depressing amount of about 0.1 to 5% of a condensation product having an average molecular weight above about 1000 and derived by condensation of about 200 parts by weight of aliphatic nitriles of mixed fatty acids having about 16 to 18 carbon atoms, with about 50 to 100 parts by weight of naphthalene, in the presence of about 30 parts by weight of aluminum chloride and in the presence of about ½ to 10 volumes of inert chlorinated hydrocarbon solvent per volume of mixed reactants, at a reaction temperature of about 250° F. for about 2 to 3 hours, followed by hydrolysis and removal of the catalyst and distillation of the reaction products under reduced pressure up to about 600° F. to obtain the desired condensation product as distillation residue.

2,454,395
SLEEVE STRETCHER OR THE LIKE
Manuel Lopez, Akron, Ohio
Application August 25, 1947, Serial No. 770,473
3 Claims. (Cl. 223—74)

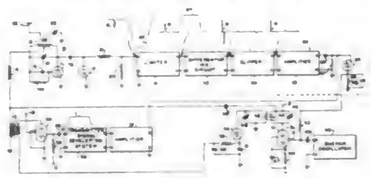


1. Apparatus for stretching and forming garment sleeves including a pair of relatively thin bars of slightly different length, the bars being curved longitudinally to substantially conform to the contour of a sleeve, a spring wire rod, means pivotally securing the rod at one end to approximately the center of the shorter bar, said means including an eye on the end of the rod, a roller inside the eye, and a pin secured to the bar and rotatably supporting the roller, the rod being bent to have an angularly offset end at the end remote from its pivotal connection to the shorter bar, means pivotally connecting the rod in the region of its bend to the longer bar a short distance from the end of the longer bar, said means including an eye on the rod, a roller inside the eye, and a pin secured to the bar and rotatably supporting the roller, a flexible element connected to the end of the angularly offset end of the rod, a releasable locking mechanism on the end of the longer bar and through which the flexible element extends, and a knob on the end of the flexible element, said locking mechanism including a pivotally mounted jaw adapted to have wedging locking action on the flexible element.

2,454,396
WAVE-SIGNAL RECEIVER-TRANSMITTER SYSTEM
Leonard R. Malling, San Diego, Calif., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application March 7, 1944, Serial No. 525,431
7 Claims. (Cl. 250—13)

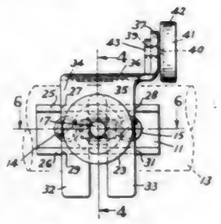
1. A radio receiver-transmitter system comprising: means at a point for receiving from a remote radio transmitting station during spaced receiving intervals radio signals having a field intensity at said point which may vary and for transmitting during intervals intervening said receiving intervals reply radio signals; means responsive to the field intensity of a radio signal received during a receiving interval for deriving

a control effect having a duration coextensive with the next succeeding interval during which a reply radio signal is transmitted; and a control system responsive to said control effect for con-



trolling the field intensity at said point of said reply radio signal, transmitted during said next succeeding intervening interval, inversely in accordance with the field intensity of said radio signal received during said receiving interval.

2,454,397
SIGHT FOR FIREARMS
Harold F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application April 17, 1944, Serial No. 531,471
4 Claims. (Cl. 33—56)

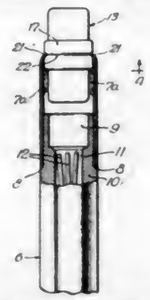


1. In a sight for firearms, a base member U-shaped in cross-section, the bottom portion of said base member being adapted to extend along a firearm part and be secured thereto, a sight member, and a one piece sight member support comprising a vertical first portion extending across said base, a horizontal second portion extending from the upper edge of said first portion, and a third portion extending along and vertically from a side edge of said second portion, means to secure the first portion of said support to and upon the outer edges of the U-shaped base for vertical adjustment, said sight member having a threaded stud adapted to extend through said third portion, and a nut screw-threaded onto said stud, said nut having a lower portion extended into engagement with said second portion of said support to prevent the nut from turning when said sight member is rotated.

2,454,398
IRON OXIDE-ALKALI METAL PYROANTIMONIATE CATALYSTS AND PROCESS OF PREPARATION
Max A. Mosesman, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application December 20, 1946, Serial No. 717,584
10 Claims. (Cl. 252—231.5)

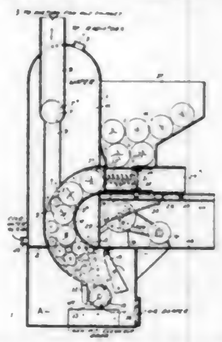
1. A method for preparing a catalyst adapted for use in a Fischer-Tropsch synthesis which includes the steps of preparing a mixture of iron oxide in an amount in the range between 80% and 99.8% by weight and an alkali metal pyroantimoniate in an amount in the range between 0.2 and 20% by weight, heating said admixture at a superatmospheric temperature of about 1000° F. in the presence of a free oxygen containing atmosphere, and subsequently contacting the admixture with reducing atmosphere at superatmospheric temperature in the range from 500° to 900° F.

2,454,399
PENCIL ERASER
Clarence F. Norlin, Chicago, Ill.
Application April 28, 1945, Serial No. 590,927
8 Claims. (Cl. 120—38)



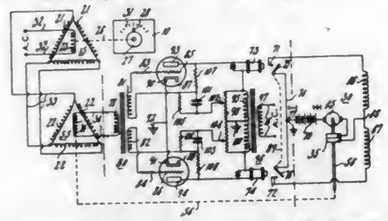
8. An eraser for attachment with the hollow cap structure of a pencil comprising a rubber, a resilient band secured centrally about said rubber, said band having a recess therein, said hollow cap structure having inwardly formed detent means adapted for engagement within said band recess to releasably attach the band to said pencil in a position exposing one portion of said rubber in usable relation with respect to said cap, and guide means carried by said cap and adapted to engage said eraser structure to steady same during use, said detent means preventing in and out displacement of said eraser structure while in normal use.

2,454,400
AUTOMATIC STOKER
Joseph T. Norman, Huntington Mills, Pa.
Application February 28, 1945, Serial No. 580,149
9 Claims. (Cl. 110—29)



1. A furnace having a shell enclosing a heating chamber and a fire box, said fire box being fixedly held and having an entrance at one side of the shell and extending inwardly therefrom and curved downwardly, said fire box at a location between its ends having flue openings; ducts within the heating chamber and connected to said fire box at each flue opening; a header within said heating chamber into which said ducts deliver products of combustion and an off-take duct from the header to the outside of the heating chamber; an upright grate at the outlet end of said fire box, means for forcing fuel into and along said fire box and expelling ashes from the same, and means to admit air to the exit end of said fire box for combustion purposes.

2,454,401
ELECTRONIC MOTOR CONTROL SYSTEM
Herman Nygaard, East Orange, N. J., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application February 12, 1945, Serial No. 577,426
20 Claims. (Cl. 318—30)



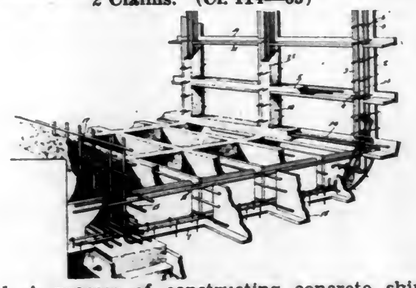
1. A position control system for a movable member comprising, in combination, an electric motor operable to position the member; switch means selectively operable to connect said motor to a source of power for rotation in either direction; a pair of electronic tube paths selectively controlling the operation of said switch means; means, including circuit connections, for impressing a control signal voltage on the control grids of said tube paths to selectively condition one of said tube paths to selectively operate said switch means; and means, in individual circuit connection with the anode of each of said tube paths, effective to render the selectively conditioned tube path less sensitive than the other tube path to effect deenergization of said motor before the movable member attains a position corresponding to the control signal to inhibit hunting of the movable member.

2,454,402
XYLOPHONE
Lazar Okrain, New York, N. Y.
Application November 4, 1946, Serial No. 707,641
4 Claims. (Cl. 84—404)



1. In a xylophone, a resonant chamber, a frame supported within said resonant chamber, said frame consisting of end bars connected together by means of longitudinal strips provided with hooks at spaced intervals, sounding bars of various lengths shaped to uniform length by bending over both ends, said sounding bars being suspended between said strips by means of a cord passing through said hooks and said sounding bars, a cover plate attached to said resonant chamber, said cover plate having a plurality of openings facing said sounding bars, a cord attached longitudinally to said cover plate, mallets mounted upon said cord in said openings, and means for attaching said xylophone to a crib, play pen or carriage.

2,454,403
METHOD OF CONSTRUCTING CONCRETE VESSELS
Mario Palmieri, Beverly Hills, Calif.
Application June 26, 1944, Serial No. 542,060
2 Claims. (Cl. 114—65)



1. A process of constructing concrete ships, comprising the erection of two-sided forms for the ribs, placing reinforcing steel in said forms, welding transverse and longitudinal bulkhead reinforcing steel to said rib steel, attaching a wire cloth to said bulkhead steel pneumatically shooting concrete under pressure into said forms to build up said ribs and pneumatically applying concrete in successive layers to build up said bulkheads, connecting said ribs and bulkheads to each other with a wire mesh screen to form the exterior shell and decks of said ship, pneumatically shooting concrete in layers on both sides of said mesh to form the exterior shell and decks of said ship and to bond said exterior shell, decks, ribs and bulkheads together.

2,454,404
PREPARATION OF PIPERAZINE
Harry Fred Pfann, Greenwich, and James Kenneth Dixon, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 3, 1942, Serial No. 460,684
10 Claims. (Cl. 260—268)

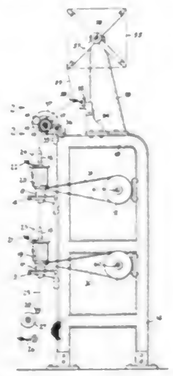
1. A method of producing piperazines from alkylene amines which comprises vaporizing a material selected from the group consisting of the alkylene diamines and dialkylene triamines having two terminal primary amino groups and in which the amino groups are each separated by two carbon atoms, their volatilizable salts and mixtures of the same, heating the vaporized material at from about 350–400° C. and passing the heated vapors over a deamination catalyst maintained at elevated temperatures of from about 350–550° C. whereby cyclization of the alkylene amine is obtained and ammonia is eliminated, condensing the condensible reaction products, collecting the condensate and isolating the piperazine therefrom.

3. A method according to claim 1 characterized in that the catalyst is selected from the group consisting of the oxides of aluminum, silicon, thorium, titanium and zirconium and mixtures of the same.

2,454,405
YARN FEED FOR TWISTING MACHINES
Clayborn F. Powell, Monroe, N. C., assignor to Branson Company, Charlotte, N. C., a corporation of South Carolina
Application April 19, 1946, Serial No. 663,590
1 Claim. (Cl. 57—16)

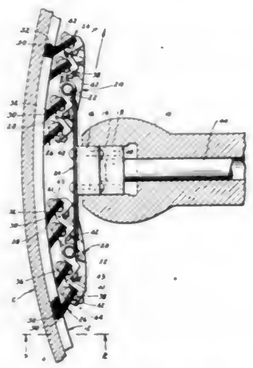
In a wrapping machine having upper and lower hollow spindles through which a core is

drawn and from which spindles the yarn is wrapped around the core, said machine having means for advancing the core through the spindles while the yarn is being wrapped thereon, comprising a wheel having a smooth concave periphery disposed above the uppermost spindle and having a second wheel provided with a smooth convex periphery resting by gravity in the smooth concave periphery of the first wheel



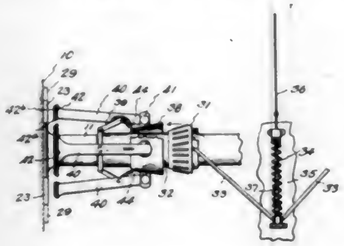
and between which the finished product is passed after leaving the spindles, said first wheel having a pinion fixedly mounted on one side thereof and the second wheel having a pinion fixedly mounted on one side thereof and meshing with the first-named pinion and means driven by the machine for driving the first wheel which in turn drives the second wheel to positively draw the yarn through the spindles and to feed it from the two wheels to suitable take-up means.

2,454,406
FLEXIBLE MULTIBLADED ROTOR ASSEMBLY FOR CYLINDER GRINDING MACHINES
Alfred Rebman, Richmond Hill, N. Y., assignor to Rockwood & Co., Brooklyn, N. Y., a corporation
Application July 27, 1945, Serial No. 607,418
9 Claims. (Cl. 241—102)



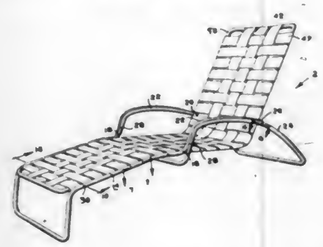
2. Grinding means of the character described for coaction with a cylindrical grinding surface, said means comprising a rod, a member pivotally mounted on said rod, said member extending in the direction of the circumference of said cylindrical surface and provided with a plurality of recesses confronting said surface, and a plurality of grinding members secured to said member and extending transversely thereof, said grinding members being positioned in said recesses, respectively, each of said grinding members having a plurality of longitudinally extending transversely flexible outer portions disposed in parallel face-to-face spaced relation and terminating in cylinder-engaging grinding edges.

2,454,407
NONSKID DEVICE
Frank G. Rosene, Pittsburgh, Pa.
Application May 11, 1945, Serial No. 593,126
11 Claims. (Cl. 301—47)



11. In combination with a wheel rotatably supported on an axle, a surface gripping mechanism including a plurality of surface gripping segments arranged about a circle adjacent the wheel periphery with their ends in overlapping relationship, a plurality of clutch segments, a plurality of substantially radially extending spring elements whose opposite ends are connected to said clutch segments and said surface gripping segments, respectively, at peripherally spaced points, there being a plurality of spring elements connecting each clutch segment and its corresponding surface gripping segment, and spring biased operating means including a plurality of clutch operating elements movable away from the axle into engagement with said clutch segments for moving said surface gripping elements radially outwardly into engagement with a roadway surface.

2,454,408
LOUNGE CHAIR
Alice Roth, Troy, Ohio, assignor to The Troy Sunshade Company, Troy, Ohio, a corporation of Ohio
Application December 26, 1946, Serial No. 718,445
7 Claims. (Cl. 155—1)

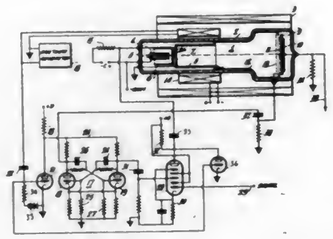


1. In a chaise lounge or the like; a frame portion comprising a horizontal bottom part and a rearwardly inclined back part; a first member extending down from the front of said bottom part to form a front support and lying along and secured to the sides of said bottom part, the other end of said first member extending upwardly and then rearwardly to form arms for the lounge; and a second member lying along and secured to the sides of said arms and extending downwardly and rearwardly therefrom to form a rear support.

2,454,409
MANUFACTURE OF SULFUR COMPOUNDS
Walter A. Schulze and Willie W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application October 19, 1943, Serial No. 506,902
8 Claims. (Cl. 260—609)

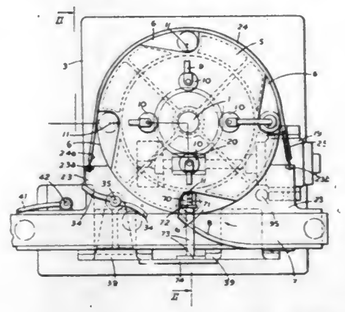
1. A process for synthesizing mercaptans which comprises contacting a reaction feed whose sole reactive components consist of hydrogen sulfide and at least one olefinic hydrocarbon, with a liquid catalyst comprising concentrated hydrofluoric acid containing at least 50 weight per cent hydrogen fluoride, at a temperature within the range of 32 to 100° F. and for a contact time not exceeding about 25 minutes, and maintaining in the reaction zone at all times a molal excess of hydrogen sulfide over the olefin with an H_2S: olefin mol ratio between about 1 and about 5 suppressing secondary reactions, thereby producing a resultant reaction mixture containing the mercaptan product resulting from addition of hydrogen sulfide to said olefinic hydrocarbon in quantities in substantial excess of the quantity of any unreacted olefin plus any secondary products.

2,454,410
CATHODE BEAM TUBE AND CIRCUIT THEREFOR
Richard L. Snyder, Jr., Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 20, 1945, Serial No. 600,498
7 Claims. (Cl. 315—12)



1. A signal storage system comprising a cathode beam tube having a gun, a signal plate having a dielectric target surface facing said gun, a screen having one of its sides adjacent to and facing said dielectric target surface, and a second screen adjacent to and facing the other side of the first screen, means for scanning the beam of said gun over said surface through said screen, a potential source for making the first screen positive in respect to the cathode of said gun and a source of alternating potential for making the second screen positive in respect to the first screen in one scansion of the beam over said surface and negative thereto in another scansion thereof.

2,454,411
INSPECTION APPARATUS FOR TRANSPARENT VESSELS
Norman Parker Stoate, Hampstead Garden Suburb, London, England, assignor to United Dairies Limited, London, England, a British company
Application September 14, 1945, Serial No. 616,300
In Great Britain September 19, 1944
13 Claims. (Cl. 250—41.5)

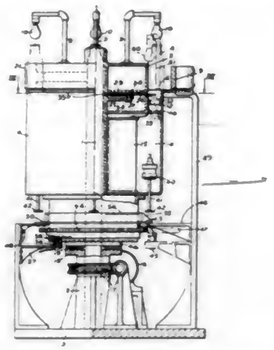


1. Apparatus for scanning the bottom of a transparent vessel to detect foreign bodies thereon, comprising in combination a photo-electric device, a source of light so disposed as to direct light longitudinally through the mouth and bottom of a vessel in scanning position and towards said photo-electric device, a screen disposed between the source of light and the photo-electric device, said screen having a number of apertures disposed to be at different radial distances from the centre of the bottom of a vessel in scanning position, the apertures having an area small in relation to that of a vessel bottom and being spaced apart from each other in a radial direction by distances such that, irrespective of its position on a vessel bottom, a foreign body of predetermined minimum size in a vessel will obscure a part at least of an aperture, and thereby reduce the intensity of the light falling on the photo-electric device below a predetermined value, means for locating a vessel in scanning position between the source of light and the photo-electric device, and means for rotating a vessel about its longitudinal axis relatively to said screen.

2,454,412
INSPECTION APPARATUS FOR TRANSPARENT VESSELS
Norman Parker Stoate, Hampstead Garden Suburb, London, England, assignor to United Dairies Limited, London, England, a British company
Application September 14, 1945, Serial No. 616,301
In Great Britain September 19, 1944
8 Claims. (Cl. 250—41.5)

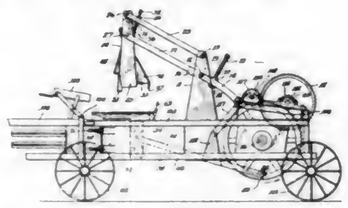
1. Apparatus for scanning the bottom of a transparent vessel to detect foreign bodies thereon, comprising in combination a source of light, a photo-electric device, a movable assembly including a support for a vessel to be scanned and means for locating a vessel in scanning position thereon, a first screen disposed below the bottom of the vessel when said vessel is so located and provided with an aperture having an area small relative to that of the bottom of the vessel, a second screen provided with a slit which is disposed substantially radially of the vessel bottom when the vessel is in scanning position, the width of said slit being at least equal to the width of

said aperture, said first and second screens being disposed between the source of light and the photo-electric device, means for rotating a vessel about its longitudinal axis relatively to said



support, and a fixed cam about which said assembly is rotatable, said cam being arranged to effect relative movement between said first and second screens so as to transverse the aperture along the slit as the vessel rotates.

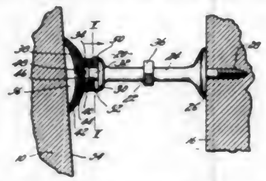
2,454,413
BALER
Leslie R. Tallman, Shelbyville, Ill., assignor of forty-five per cent to G. L. Tallman, twelve and one-half per cent to J. L. Tallman, and twelve and one-half per cent to Emma S. Tallman, all of Shelbyville, Ill.
Original application May 10, 1944, Serial No. 534,869. Divided and this application February 18, 1946, Serial No. 648,470
5 Claims. (Cl. 100—19)



1. In a baler, the combination comprising a compression chamber, a reciprocating plunger therefor, guide means for said plunger mounted adjacent the bottom of said chamber and extending above the bottom and terminating at the forward limit of travel of said plunger whereby the end of said guide means will operate to retain in position compressed material, a shear bar mounted on the upper edge of said plunger, and a cooperating shear bar mounted adjacent said chamber at a slight angle to said first shear bar.

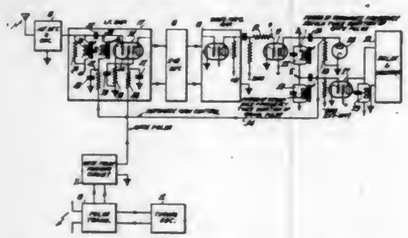
2,454,414
DOORSTOP AND RETAINER
La Moil S. Taylor, Kansas City, Kans.
Application May 12, 1945, Serial No. 593,459
6 Claims. (Cl. 292—70)

1. A door stop and retainer including a one-piece base member having means whereby it may be fixed to a building structure carrying a hinged door; and a suction cup, having an engaging face, removably and adjustably carried by said base member, whereby the angle of said engag-



ing face to the base member may be set to conform to the face of the door to be stopped.

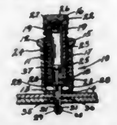
2,454,415
AUTOMATIC GAIN CONTROL CIRCUIT
Simeon I. Tourshou, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application February 24, 1945, Serial No. 579,587
6 Claims. (Cl. 250—20)



1. In a radio receiver wherein the receiver output energy comprises a received signal and accompanying noise, and wherein the duration of the received signal is short compared with that of the noise, means for receiving and demodulating the received signal to obtain a video frequency signal, said receiving means including an amplifier, a pair of parallel resonant circuits which are connected in series with each other and which are tuned to resonate at compartively low and comparatively high frequencies, respectively, means for applying said video frequency signal and the accompanying noise signal across said resonant circuits in series whereby integrated noise voltage appears across the circuit tuned to the low frequency and whereby the received signal accompanied by noise appears across the circuit tuned to the high frequency, means for controlling the gain of said amplifier in accordance with the amplitude of said integrated noise voltage to hold the noise output substantially constant, and means for applying the signal appearing across the high frequency tuned circuit to a utilization device.

2,454,416
FASTENER
Paul Van Sittert, Shaker Heights, Michael Kostrubanic, Jr., Cleveland, and Eugene W. Lehman, East Cleveland, Ohio, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application October 25, 1943, Serial No. 507,494
4 Claims. (Cl. 85—6)

1. A device for temporarily clamping together perforated sheets in superposed relation comprising a body having a sheet engaging base provided with an opening, a sleeve movable relative to said body, a retainer locked in said sleeve for movement therewith, said retainer carrying means on one end projecting through said opening and adapted for engagement against the underside of the sheets being clamped, a spreader for said retainer resting on the inner face of said base, said spreader having means engageable with said



retainer for limiting upward movement thereof, and a spring having one end resting on said spreader and its other end locked to said sleeve for drawing said sleeve and retainer inwardly of said body to urge said one end of the retainer into sheet clamping engagement.

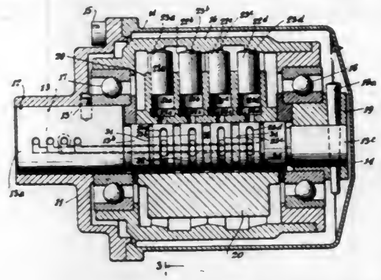
2,454,417
SLING
Charles M. Zerr, Independence, Mo., assignor to Union Wire Rope Corporation, Kansas City, Mo., a corporation of Missouri
Application June 23, 1947, Serial No. 756,359
7 Claims. (Cl. 57—142)



1. A sling of the character described comprising a plurality of ropes laid up to present a cable forming the body of said sling; and at least one loop formed by bending one end of the body upon itself, said one end of the body being secured to the standing part of the body by a splice, said ropes of the end of the body being twisted upon the ropes respectively of the standing part of the body to form said splice.

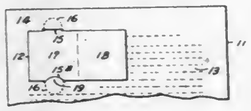
2,454,418
HYDRAULIC FLOW DIVIDER
Lukas Zimmermann, Birmingham, Mich.
Application January 15, 1944, Serial No. 518,425
8 Claims. (Cl. 103—1)

1. In a hydraulic flow divider, a pintle member, a rotor mounted for rotation thereon, at least two sets of cylinders formed within said rotor, pistons in said cylinders, means for causing rotation of the rotor on the pintle upon the occurrence of reciprocation of said pistons within their cylinders, an inlet passage and a plurality of outlet passages formed within said pintle, valving means for connecting the cylinders of each set seriatim with the inlet passage within the pintle at certain times whereby the pistons are caused to move outwardly of the cylinders and for connecting the cylinders, while the pistons move inwardly of the cylinders, with the outlet passages within the pintle related to the respective sets



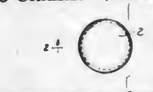
of cylinders, whereby fluid passing into the device will be divided and definite proportions thereof delivered to the several outlet passages.

2,454,419
ILLUSTRATED MATTER
Joseph S. Abrams, Montreal, Quebec, Canada
Application June 18, 1945, Serial No. 600,177
In Canada October 13, 1944
1 Claim. (Cl. 283—56)



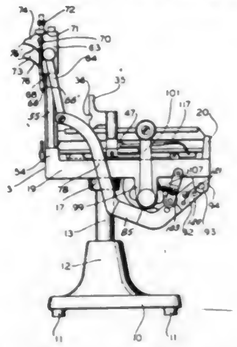
Matter of the character described, comprising, a body sheet having a plurality of slits therein, one of said slits being of substantially U-shape to form a tab, a plural-leaf unit comprising a bottom leaf superimposed upon said body sheet and at least one other leaf connected to said bottom leaf for swinging movement to and from superimposed relationship thereto, tongues projecting from different edges of said bottom leaf through said slits and underlying said body sheet to hold said unit as an entirety detachably connected to said body sheet, said tab extending into overlying relationship to a marginal portion of said bottom leaf, and a corresponding marginal portion of said other leaf, when the latter is swung into superimposed relationship to said bottom leaf, being engageable beneath said tongue, whereby said other leaf may be releasably held in superimposed relationship to said bottom leaf.

2,454,420
OLEOMARGARINE COLORING UNIT
Leon Adler, Harold G. Johnson, and Beeason J. Schneider, St. Louis, Mo., assignors to Dyestuffs & Chemicals, Inc., St. Louis, Mo., a corporation of Missouri
Application May 17, 1946, Serial No. 670,379
3 Claims. (Cl. 99—148)



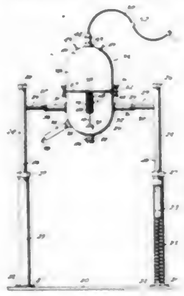
1. An oleomargarine coloring unit adapted to be worked as a whole into the oleomargarine and consisting of an aggregate mass containing coloring material that is substantially soluble in the oleomargarine, and an oil-insoluble unitary coating enclosing said aggregate mass as a unit and all being dispersible in said oleomargarine.

2,454,421
BUTTER CUTTER
Einar A. Anderson, Minneapolis, Minn.
Application May 22, 1944, Serial No. 536,805
4 Claims. (Cl. 31—24)



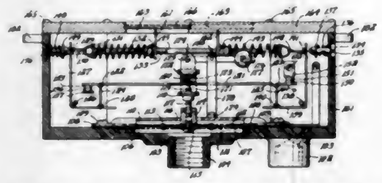
1. A butter cutter comprising a pedestal-supported table, means to support a block of butter thereupon and to advance it step by step in a direction longitudinally of the table, means to cut the butter longitudinally as it is advanced, a cutter head and cutting wire thereon mounted for reciprocation in a vertical plane, a pair of links pivoted to the sides of the cutter head for supporting and reciprocating it, a lever system consisting of two members, each having a bend so as to have two parallel portions straddling the pedestal and the table and having other parallel portions at their other ends secured together and pivotally supported from the rear of the table, and being pivoted at their front ends to the links and reciprocating the cutter head thereby, and means connected with the lever system between its pivots for oscillating it and causing the links in reciprocating the cutter head to move in substantially a vertical plane.

2,454,422
COMBINATION CONTACT PRINTER AND ENLARGER
Paul S. Atkinson, New York, N. Y.
Application December 23, 1946, Serial No. 717,873
2 Claims. (Cl. 88—24)



1. In a photographic enlarger, the combination, which comprises, a base having a flat upper surface upon which sensitized paper for enlargements may be positioned, spaced vertically disposed posts extending upward from the base, a vertically disposed housing with dome shaped upper and lower ends, positioned between the posts, said housing separated at a point substantially midway between the ends providing an upper and a lower section with the adjoining ends of the sections formed with outwardly extending flanges, clamping means removably mounting the upper section on the lower section, means supporting the lower section of the housing from the posts, a centrally disposed light socket in the upper end of the upper section of the housing, a reflector carried by said light socket spaced from the housing, an enlarging lens socket in the lower end of the lower section of the housing aligned with the light socket in the upper section, said enlarging lens socket having a threaded inner end for receiving a light bulb, a reflector on the said enlarging lens socket spaced from the housing, said lower section of the housing having a vertically disposed slot in one side thereof, a substantially horizontally disposed frame positioned in the lower section of the housing and spaced from the upper end thereof, said frame having a support extending from one side thereof through the slot in the lower section of the housing, a threaded collar carried by the outer end of the support of the frame, a screw threaded in said collar mounted on the outer surface of the lower section of the housing providing means for vertically adjusting the said frame, a negative-holding plate positioned on said frame, a second light socket provided in the lower section of the housing, a ground glass diffusing plate positioned in the upper section of the housing, and spring clips on the inner surface of the upper section of the housing supporting the said ground glass plate at a point substantially midway of the height of the upper section of the housing.

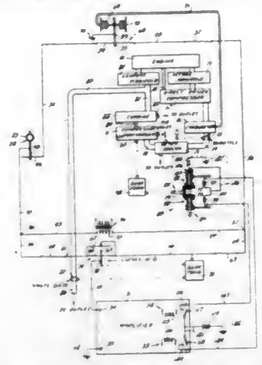
2,454,423
SAFETY SWITCH FOR AIRPLANES
Albert E. Baak, Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 2, 1942, Serial No. 467,597
24 Claims. (Cl. 200—81.5)



1. An instrument for use in an aircraft comprising, in combination, an acceleration responsive device and a control mechanism; said control mechanism including an actuating member, an aerodynamic condition responsive device operatively engaging said member at an intermediate point, first and second spring means connected to said member at opposite sides of said point for resisting movement of said member by said aerodynamic condition responsive device, and control devices actuated respectively by opposite ends of said member; said acceleration responsive device being connected to said control mechanism in counter-balanced relation thereto.

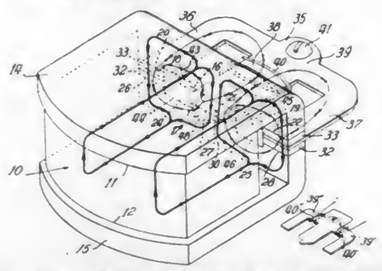
2,454,424
COMPRESSOR CONTROL SYSTEM
Albert E. Baak, Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 10, 1944, Serial No. 530,423
11 Claims. (Cl. 230—11)

1. In combination, a compressor, a motor for driving the same, a control device movable for controlling the speed of said motor and hence the compressing effect of said compressor, positioning means driven by said motor for positioning said control device, and control means adapted to respond automatically to a condition affected by



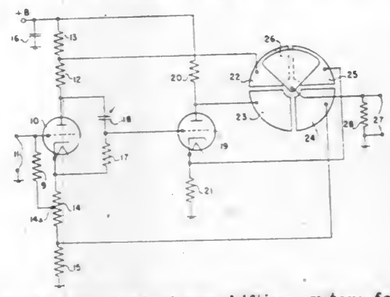
the outlet pressure of said compressor for controlling said positioning means, said positioning means being effective when a change in position of said control device is demanded by said control means to move said control device at a rate which increases with the speed of the motor.

2,454,425
MAGNETIC TRANSLATING DEVICE
Benjamin B. Bauer, Chicago, Ill., assignor, by mesne assignments, to Shure Brothers, Incorporated, Chicago, Ill., a corporation of Illinois
Continuation of application Serial No. 424,282, December 24, 1941. This application December 23, 1943, Serial No. 515,463
17 Claims. (Cl. 175—339)



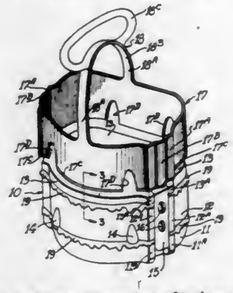
1. In a translating device, the combination of a constant flux magnetic member having opposed pole faces spaced apart to form a space therebetween, a variable flux magnetic member having a plurality of end portions extending in a generally similar direction and an intermediate portion connecting said end portions together, said intermediate portion being disposed outside of the volume encompassed by said constant flux magnetic member and said end portions being disposed in said space and in adjacent spaced relation to said pole faces to form with said constant flux magnetic member one or more variable flux ferromagnetic circuits which are substantially closed except for the spaces between said end portions and said pole faces, one of said end portions in said ferromagnetic circuit or in each of said ferromagnetic circuits being vibratable in said space to form an armature, means for substantially fixing the other of said end portions in said ferromagnetic circuit or each of said ferromagnetic circuits in position in said space out of ferromagnetic contact with said pole faces, and a winding surrounding a portion of said variable flux magnetic member.

2,454,426
ELECTRICAL PHASE-SHIFTING SYSTEM
John R. Beckwith, Chicago, Ill., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 21, 1944, Serial No. 532,192
8 Claims. (Cl. 178—44)



2. An electrical phase-shifting system for deriving from a periodic input signal a plurality of phase-displaced signals comprising, a vacuum tube repeater having input anode and cathode electrodes, an input circuit for applying the input signal to said input electrode, an output circuit for said repeater including separate anode and cathode load impedances of like type for developing output signals of opposite polarity, a phase-splitting impedance circuit connected between said anode and cathode electrodes, and circuit connections for deriving two signals of opposite polarity from said anode and cathode load impedances and a signal of intermediate phase from said phase-splitting circuit.

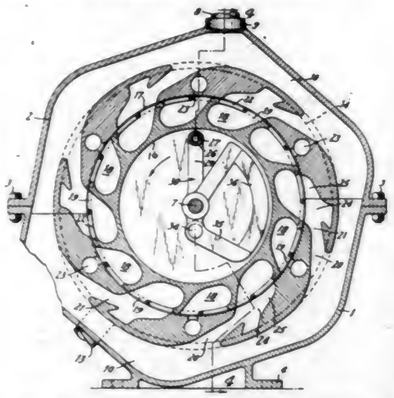
2,454,427
DEVICE FOR REMOVING EXTRUDED PLASTER FROM EXTERIOR SURFACES OF DENTAL FLASKS
Dell E. Bell, Omaha, Nebr.
Application September 15, 1947, Serial No. 774,054
5 Claims. (Cl. 32—38)



1. A dental flask cleaning device comprising a circuitous band shaped to closely conform to the sides of the flask and adapted to closely slidably engage the sides of the flask when the flask is embraced within said band and said band is moved downwardly to thereby scrape the excess plaster extruded through the joints between the

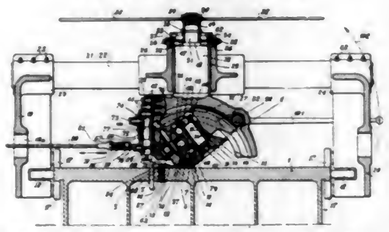
sections of the flask, said band having a lower cutting edge interrupted by upwardly extending spaced recesses to clear spaced lugs projecting from the sides of the flask, and a handle connected to the upper edge of said band.

2,454,428
FLUID PRESSURE TURBINE
Amel Ben Broluska, Detroit, Mich.
Application August 28, 1947, Serial No. 771,079
11 Claims. (Cl. 253—50)



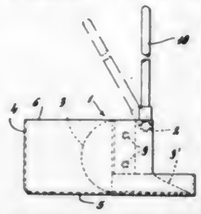
1. In a pressure fluid jet turbine having a casing and a driven shaft therein, a rotor loosely journaled on said shaft and having a series of cavities disposed around its periphery with inlet and exhaust openings abutting upon the inner surface of said casing, there being a plurality of pressure fluid jets in said casing adapted for registry with said inlet openings, and a plurality of outlet ports in said casing adapted for registry with said exhaust openings, operating means keyed to said shaft, and a lever loosely journaled on said shaft having its long end joined to said rotor and its short end joined to said operating means.

2,454,429
MACHINE FOR BENDING AND SHAPING ROLLED IRONS AND THE LIKE
Ettore Bugatti, Paris, France
Application September 11, 1945, Serial No. 615,635
In France May 31, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 31, 1964
11 Claims. (Cl. 153—28)



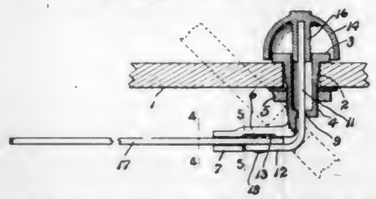
1. In a machine of the type described, the combination of a bed having a flat top service; a primary carriage adapted to travel on said bed; means on the bed cooperating with said carriage, for guiding the same along a predetermined rectilinear path; a secondary carriage adapted to travel on the primary carriage in overhanging position with respect to said bed surface; means on the primary carriage cooperating with the secondary carriage for guiding the same along a path located crosswise with respect to the first-named path; and an iron distorting head supported from the secondary carriage for pivotal movement about an axis perpendicular to said bed surface.

2,454,430
HYGIENIC DUSTPAN
Edmundo Cortés, New York, N. Y.
Application December 10, 1945, Serial No. 633,972
2 Claims. (Cl. 65—20)



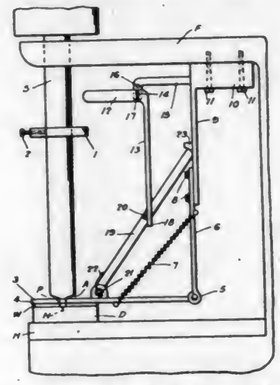
1. A device of the character described comprising an upright handle, a cross bar to which the lower extremity of said handle is pivotally secured, a pair of flat members having stepped front portions whose lower part is pointed and being at right angles to and attached on the extremities of said cross bar, pins extended from the inner side of each of said flat members, and an open receptacle having a bottom, a rear wall and side walls being detachably secured to said flat members and being fastened thereon by means of said pins which extend through inwardly folded portions of said side walls, all substantially as described.

2,454,431
DOUBLE-ACTION FLUSH VALVE LEVER
Basil R. Crampton, Grand Rapids, Mich., assignor, by mesne assignments, to Crampton Manufacturing Company, Grand Rapids, Mich., a corporation of Michigan
Application February 5, 1945, Serial No. 576,350
3 Claims. (Cl. 4—67)



1. In a structure as described, a fixture adapted to extend through an opening in a flushing tank wall, and having means engageable therewith to secure the fixture in a fixed relation to a tank wall through which it is passed, a bar passing through said fixture and extending beyond it at both ends, a handle connected with the outer end portion of said bar, stop means on the fixture engageable with said bar for limiting it in rocking movement about its longitudinal axis, said bar beyond the inner end of the figure being provided with an integral laterally extending arm, said arm at its free end and at its lower edge having a horizontally extending ledge, a second arm connected integral to the fixture at its inner end and located substantially parallel to and extending beyond the free end of the first mentioned arm, said last mentioned arm having a part at its lower edge extending therefrom in a direction opposite the extension of said ledge, the upper sides of said ledge and said mentioned part normally lying in the same plane, and a lift arm pivotally connected to said first arm and resting upon the ledge thereof and upon said laterally extending part of the second arm, said lift arm and first mentioned and second arms having a combined thickness less than the dimension of said opening whereby said structure is mounted as a unit by insertion through and securing to the flushing tank wall.

2,454,432
PUNCH PRESS STRIPPER
Theron T. Crandall, Canoga Park, Calif.
Application November 22, 1946, Serial No. 711,783
1 Claim. (Cl. 164—110)

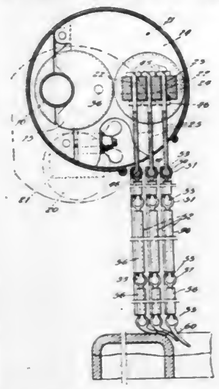


The combination with a reciprocating punch having an actuating lug, and a fixed frame, of an adjustable bracket and means for fixing it on the frame, a stripper pivoted on the bracket and having a forked free end engaging the punch, a lifting spring connecting the stripper with the bracket, a spring-pressed link pivoted on the stripper and an abutment on the frame for engagement by the free end of the spring-pressed link, an L-shaped trip lever having one arm in the path of said lug and pivoted on the frame, a second lever arm straddling the link, and a cross pin on the link in constant engagement with the straddling arm.

2,454,433
ACID TREATMENT OF PYRENE-QUINONE VAT DYESTUFFS
John F. Cullinan and Lawrence D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 13, 1944, Serial No. 526,347
5 Claims. (Cl. 260—362)

1. The method of converting a vat dyestuff, characterized by the presence of a dibenzopyrene-quinone nucleus, into very finely divided particles of substantially uniform size which comprises forming a slurry of the dyestuff with 20–40 parts of sulfuric acid of such concentration and under such condition of temperature that at least a part but not more than 10% of the total dyestuff is in solution at any one time, agitating this slurry until conversion of the dyestuff to the substantially insoluble sulfate is substantially complete and hydrolyzing the sulfate to the dyestuff.

2,454,434
CURTAIN OR PANEL AND HANGER STRUCTURE THEREFOR
Charles G. Cunningham, Chicago, Ill.
Application December 13, 1944, Serial No. 567,966
17 Claims. (Cl. 160—40)



12. A device of the class described comprising, track means, a plurality of panels, means supporting each panel in a different vertical plane for separate sliding motion lengthwise of the track means, each panel having a flexible element on each upright margin extending therebeyond in direction of motion of the panels and adapted to sealingly engage the face of an adjacent panel for all positions of the panels, a flexible element on the bottom of each panel of a length greater than the length of the bottom of the panel but less than the length of a panel plus the dimension of both upright sealing elements in direction of motion, each panel being composed of a plurality of separate sections detachably interlocked so as to swing about a horizontal point of interlocking and said upright sealing elements acting as locks to prevent accidental detachment of the interlocked sections.

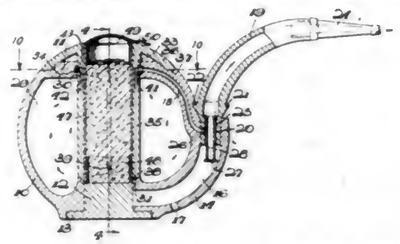
2,454,435
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 12, 1947, Serial No. 734,212
9 Claims. (Cl. 252—331)

1. A process of breaking emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising an oxyalkylated, drastically-oxidized treated cashew nutshell liquid.

2,454,436
SMOKER'S PIPE
Albert E. Dietz, Washington, D. C.
Continuation of application Serial No. 501,685, September 9, 1943. This application June 24, 1946, Serial No. 678,799
4 Claims. (Cl. 131—176)

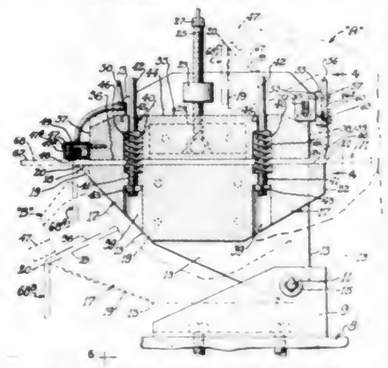
1. A smoker's pipe including a shell having a smoke duct and provided with a boss having a drain passage terminating in a seat, a stem engaged in said seat and provided with a valve gravitating to close said duct and establish com-

munication between the stem and said drain passage but operable by suction on the stem to close said communication and establish communication between the stem and said duct, a bowl fitting in the shell and provided with a smoke duct leading from the lower interior of the bowl to communicate with the duct of the shell, and a removable plug at the bottom of the shell blocking said passage and forming the bottom of the bowl.



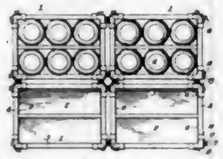
2. A smoker's pipe including a shell having a smoke duct therein and provided with a stem to communicate with said duct, a bowl fitting into the shell and provided with a smoke duct leading from the lower interior of the bowl to communicate with said former duct, and a removable cage fitting in the bowl and provided with a portion overlying the lower terminal of the duct in the bowl and another portion forming a reticulate closure at the upper end of the bowl.

2,454,437
DEVICE FOR WORKING THERMOPLASTIC MATERIALS
Victor Clemens Ehnborn, Honolulu, Territory of Hawaii
Application July 3, 1946, Serial No. 681,241
6 Claims. (Cl. 18—19)



1. A device for working sheets of thermoplastic material comprising: a base, including a pair of horizontally-spaced angle brackets; trunnions journaled in said brackets; a pair of vertical end plates rotatably mounted upon said trunnions; a work-supporting member fastened to and extending between said end plates and having a work-supporting face normally uppermost, said face terminating in a sharp edge parallel to the axis of rotation of said work-supporting member; means for securing said work-supporting member at a pre-selected inclination of said face; a plurality of guide rods secured to and projecting from said work-supporting member perpendicularly to said face; a clamping member centered above said work-supporting member and slidably mounted upon said guide rods, said clamping member being of substantially lesser width than said face of said work-supporting member, whereby said sharp edge projects forwardly of the forward edge of said clamping member; a plurality of springs restrained between said clamping member and said work-supporting member; a plurality of screw means for moving said clamping member toward said work-supporting member against the resistance of said springs; an elongated insulated casing supported on said clamping member above, adjacent and parallel to said sharp edge; a longitudinal groove in the bottom face of said casing, the rear edge of said groove being vertically aligned with said sharp edge; and an electrically-heated coil extending longitudinally within said casing for emitting heat from the area of said groove, whereby an elongated comparatively narrow area of a portion of a thermoplastic sheet, clamped between said clamping member and said work-supporting member, extending outwardly beyond said sharp edge may be heated by the rays emitted through said casing groove and thereby, with the aid of gravity alone, cause said outwardly extending sheet portion to bend itself smoothly and evenly until said outwardly extending portion of said sheet depends vertically from said sharp edge.

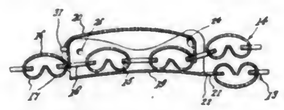
2,454,438
HOLDER AND CARRIER FOR BOTTLES AND THE LIKE
Joseph M. Falk and Charles T. Falk, Kansas City, Mo.
Application April 30, 1945, Serial No. 591,212
1 Claim. (Cl. 217—13)



A rectangular box having parallel vertical side walls and parallel vertical end walls, abutted together at their ends and forming right-angle corners, and a horizontal bottom fitting and secured between said side and end walls, a right-angle vertical plate externally of and secured to each corner of the box and extending from the top of the walls to the bottom of the box, a pair of upright strips secured externally to each wall adjacent the respective corners of the box and the said right-angle shaped vertical plates and having inturned flanges or arms upon the top and against the bottom of the respective walls; the strips at one end of each side and end wall having their edge portions offset outwardly to form tongues and the strips at the other end of each side and end wall having their edge portions offset outwardly and reversely bent to form hooks; the hooks and tongues at opposite sides and ends of the box being equal distances from the adjacent corners of the latter.

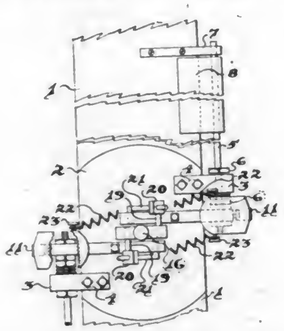
2,454,439
BOX CATCH FOR WATCH BRACELETS
Clarence F. H. Fontaine, Newport, R. I., assignor to Marvel Jewelry Mfg. Company, Providence, R. I., a corporation of Rhode Island
Application June 5, 1947, Serial No. 752,696
1 Claim. (Cl. 24—191)

For use with a bracelet having slotted links arranged slidably in upper and lower runs, an improved box catch comprising a base section having means to which one end of the lower run is secured, an outer section hinged to the base section and having catches at the ends thereof for engaging in separated open links of the upper run, and means for locking the two sections of the



bracelet together with the two catches engaging such upper run, said means comprising perforated flanges on one section and outwardly extending pintles on one of the catches of the other section, said pintles rotatably fitted in the perforations of the flanges.

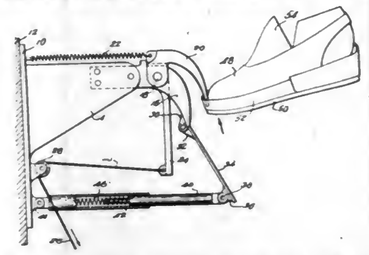
2,454,440
WIND ELECTRIC GOVERNOR
Roy Alexander Foulston, Tugaske, Saskatchewan, Canada
Application December 18, 1944, Serial No. 568,693
3 Claims. (Cl. 170—68)



1. A governor for wind electric machine blades comprising rods mounted for rotation parallel with and in advance of the leading edges of the blades, auxiliary blade sections carried by the rods, governor elements fixed to the rods movable under impulse of centrifugal force during travel of the blade to turn the rods, spring means opposing movement of the governor elements, and a stabilizer for the governor elements comprising a rod extending outwardly from the blade, a weighted slide movable lengthwise of the rod, the governor elements including legs, and rods connecting said legs and slide for movement of the slide when the governor elements are caused to move under impulse from the blade sections.

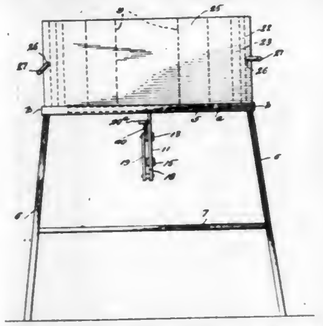
2,454,441
PLATFORM COVER TURNING DEVICE
Isa Galper, Manchester, N. H., assignor to Bee Bee Shoe Co., Manchester, N. H., a corporation of New Hampshire
Application April 3, 1947, Serial No. 739,103
4 Claims. (Cl. 12—1)

3. A cover turning device comprising a support, a bracket projecting from said support, a pair of hinged jaws secured to said bracket, means for opening and closing the jaws, a plate pivotally mounted on the tip of one of said jaws and extending beyond the jaw, a sleeve pivotally mounted on said support, a rod working in said sleeve and pivotally mounted on said plate,



and a compression spring contained within the sleeve and urging the rod outwardly thereof.

2,454,442
CEMENT BLOCK MACHINE
Kelly W. Gibbs and Roy Hillman, Ashland, Ky.
Application September 13, 1946, Serial No. 696,644
2 Claims. (Cl. 25—41)

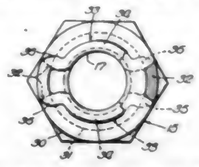


1. A block forming machine comprising a frame having side bars and end bars formed with upstanding flanges, guide bars extending downwardly from the side bars and formed with vertical slots, one guide bar having an ear at its lower end, cross bars extending between the side bars, vertical cores rising from the cross bars, a bottom carried by said frame and having end sections and an intermediate section, the intermediate section constituting a pallet free from the frame and being formed with openings through which the cores pass, side and end walls removably resting upon the bottom and releasably held upright in engagement with each other, push bars extending downwardly from said pallet and spaced from each other transversely thereof, upper and lower horizontal bars secured to the push bars and extending transversely of said frame and carrying rollers engaged in the slots of the guide bars, a treadle pivoted to the upper horizontal bar and projecting outwardly from a side of the frame, and a link pivoted at its lower end to the ear and at its upper end to the treadle outwardly of the frame.

2,454,443
GRIP NUT
Eugene M. Giles, Western Springs, Ill., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application October 11, 1943, Serial No. 505,830
6 Claims. (Cl. 10—86)

3. The method of making a nut of the class described which said method comprises forming a

nut body with an opening therethrough and with a ring-like extension at one end having an opening therethrough substantially larger than that of the nut body, then severing opposed arcuate portions of the ring-like extension from the nut body in a manner to leave the ring-like extension attached to the nut body at diametrically opposed places, then deforming the severed opposed arcuate portions and thereby forming smaller opposed



arcuate portions which conform substantially to the nut opening and forming at at least one of the aforesaid diametrically opposed places a U-shaped fold resiliently connecting adjoining ends of said smaller arcuate portions and then correspondingly internally threading the nut opening and said smaller arcuate portions, said smaller arcuate portions, after threading thereof, being contracted closer together.

2,454,444

LOCK NUT AND METHOD OF MAKING SAME

Ougljesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application April 24, 1944, Serial No. 532,385
4 Claims. (Cl. 10—86)



1. A lock nut including a rigid internally threaded body, circumferentially spaced lugs integral with and extending axially from the body at one extremity thereof, segmental locking sections superimposing the aforesaid extremity of the body and having arcuate thread engaging surfaces normally positioned inwardly with respect to the maximum diameter of the internal thread in the body, and connecting elements extending between said lugs and locking sections, said locking sections and connecting elements being sheared from an axially projecting portion of the body and shifted transversely with respect to the axis of said body, said lugs being spaced radially from the internally threaded portion of the nut body.

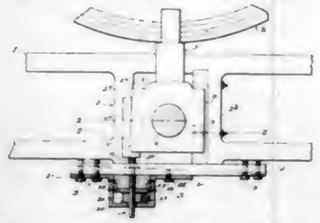
2,454,445

WEDGE ACTUATOR ATTACHMENT FOR JOURNAL BOXES

Jesse L. Gosnell, St. Joseph, Mo.

Application September 16, 1946, Serial No. 697,286
3 Claims. (Cl. 105—81)

1. In a locomotive having a reciprocable journal box and mounted journal wedge, means for adjusting the wedge with respect to the journal box comprising a gear box including a U-shaped bracket adapted to be secured to the locomotive frame, a second U-shaped bracket having its lower wall spaced above the lower wall of the first-named bracket and its side walls secured to the inner sides of the side walls of the latter, a horizontally-disposed worm wheel within the space between said bottom walls of said brackets, said worm wheel being provided with a concentric flat-sided hole therethrough, a sustaining block supported by said second bracket and provided with a threaded hole extending vertically there-



through, said bottom walls being provided with holes therethrough disposed in vertical alignment with said holes in said wheel and block, a vertically-extending wedge bolt having a squared lower end portion slidably received in the wheel-hole and its upper end portion threadedly engaged in the block-hole in said block, said upper end portion being engageable with the wedge, and means for meshing with said wheel for operating the same.

2,454,446

KERF-CUTTING MACHINE

Loy D. Hagenbook, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application January 9, 1947, Serial No. 721,086
6 Claims. (Cl. 262—30)



6. In a mining machine and in combination with a cuttings clearing device therefor, kerf-cutting mechanism for cutting a kerf in a mine wall including a projecting cutter bar having a cutter chain movable thereabout, said cutter bar having a longitudinally slotted central portion extending for a substantial portion of its length, and a flexible sweeping member mounted in said slotted portion of said cutter bar and extending above and below said cutter bar for substantially the full length of the slotted portion thereof and having yieldable engagement with the top and bottom of the kerf, for sweeping the kerf during the cutting operation to assure that said cutter chain expel substantially all of the cuttings from the kerf during cutting and carrying them for discharge to said cuttings clearing device and out of the path of said cutter chain.

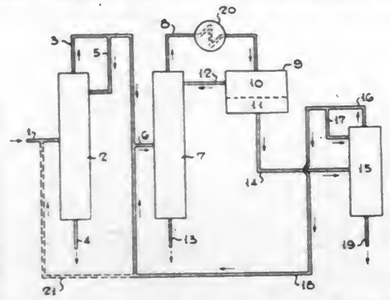
2,454,447

DEHYDRATION OF METHYL ETHYL KETONE BY AZEOTROPIC DISTILLATION UNDER SUPERATMOSPHERIC PRESSURE

William S. Harney, Jr., Elizabeth, and Erwin H. Amick, Jr., Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application December 28, 1946, Serial No. 718,920
3 Claims. (Cl. 202—42)

1. A method of recovering substantially anhydrous methyl ethyl ketone from an aqueous mixture of the same which comprises conducting the aqueous mixture to a distillation zone, maintaining an absolute pressure of at least 20 lbs. per sq. in. in said distillation zone, condensing the distillate whereby a methyl ethyl ketone-rich phase



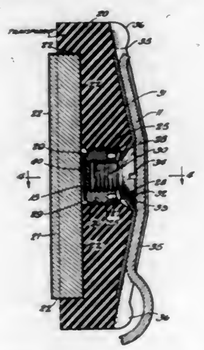
and a water-rich phase are formed, separating the resulting phases and refluxing the methyl ethyl ketone-rich phase to the distillation zone and recovering substantially anhydrous methyl ethyl ketone as bottoms from the distillation zone.

2,454,448

LIGHTNING ARRESTER

Walter C. Hasselhorn and John F. Jaap, Chicago, Ill., assignors to Cook Electric Company, Chicago, Ill., a corporation of Illinois

Application August 22, 1945, Serial No. 612,098
6 Claims. (Cl. 175—30)



1. A lightning arrester unit comprising an elongated molded body of insulating material, an elongated carbon block embedded and molded in one side of said body, said block having its outer face exposed for engagement with a circuit contact terminal, said block being coated with a moisture proof material except for the spark gap area on its inner face, a metal electrode threaded into said body opposed to said carbon block and having its inner end in adjustable spark gap relation therewith, means for rendering said threaded connection moisture proof, said metal electrode having a threaded hole therein opening exteriorly, a metal contact strip overlying said metal electrode on the outside of said body for engaging a circuit contact terminal, and a securing screw inserted through said contact strip and into said threaded hole to mechanically secure the strip, body and electrode together and to electrically connect the strip and electrode, said body and electrode forming a closed and sealed spark gap chamber for the arrester.

2. A lightning arrester unit comprising a molded body of insulating material, a relatively thin flat carbon block embedded and molded flatwise in one side of said body and permanently, tightly and rigidly retained therein by the grip thereon of the material of the body in shrinking including that around the peripheral edge of the block, the outer face of said carbon block being exposed for engagement with a circuit contact terminal and the inner face thereof within the body forming one of the opposed discharge surfaces of the spark gap of the arrester, said body having an aperture opposite said discharge surface of said block, an electrode positioned in said aperture, the space between the said block and electrode enclosed by the adjacent wall of said aperture forming a tightly closed spark chamber, and connecting means from said electrode to the outside of the body for engagement with another circuit contact terminal.

2,454,449

SHADE ROLLER BRACKET

James C. Haws and Clarence A. White, Sugarland, Tex.

Application October 1, 1945, Serial No. 619,598
2 Claims. (Cl. 248—267)



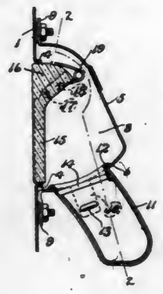
1. A shade roller bracket formed of a single piece of spring wire and comprising, a helical base, one end of the wire being formed into a tang which is extended rearwardly from the base and the other end of the wire being formed into a forwardly extended arm whose forward end terminates in a loop shaped to receive either the round pintle at one end of a shade roller or to receive the flat spring-tensioning pintle at the other end of said roller.

2,454,450

ASH RECEIVER

Cornelius Hendricks, Grand Rapids, Mich., assignor to Applied Arts Corporation, Grand Rapids, Mich., a corporation of Michigan

Application July 27, 1944, Serial No. 546,780
3 Claims. (Cl. 220—18)



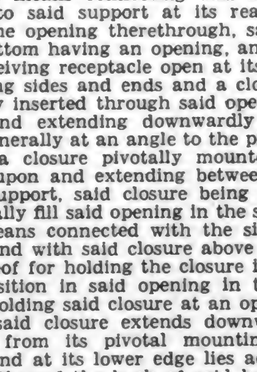
3. In a construction of the class described, a substantially vertical sheet metal support having an opening therethrough, a housing of sheet metal having vertical sides, a back extending

downwardly and inwardly and a bottom extending from the back downwardly and forwardly, releasable means connecting said support and housing to said support at its rear side and around the opening therethrough, said housing in the bottom having an opening, an immediate ashes receiving receptacle open at its upper end and having sides and ends and a closed bottom removably inserted through said opening in the bottom and extending downwardly and rearwardly generally at an angle to the plane of said support, a closure pivotally mounted between its ends upon and extending between the sides of said support, said closure being adapted to substantially fill said opening in the support and spring means connected with the sides of said housing and with said closure above the pivotal axis thereof for holding the closure in operative closed position in said opening in the support and for holding said closure at an open position wherein said closure extends downwardly and inwardly from its pivotal mounting on said housing and at its lower edge lies adjacent the lower portion of the back of said housing with the immediate ashes receiving receptacle freely accessible for removal outwardly through the opening in said support and for replacement, said closure comprising a plate which in closed position has an outer side substantially flush with the outer side of the support, and at its inner side at each upper corner has an outwardly and inwardly extending arm, the central portion of the upper part of said closure above the pivots being rearwardly increased in thickness, and the opening in the support being of a generally rectangular form with a vertical extension thereto at its upper side between the vertical sides of said closure and narrower in width than the main portion of said closure, in which vertical extension the upper portion of said closure above the pivotal mounting thereof is located, and said spring means comprising coiled springs one connected to each of said arms at one end and at their other ends connected to adjacent sides of the housing.

2,454,451

ELECTROMAGNETIC SWITCH

Bernard Hinks, Willenhall, England
Application October 19, 1943, Serial No. 506,892
In Great Britain October 20, 1942
6 Claims. (Cl. 200—104)



1. An electro-magnetic motor starter switch of the type set forth comprising a switch frame, a stationary magnetic coil on the frame and energised from the electric supply line voltage, a twin divided magnetic yoke comprising a moving yoke portion with blade contacts connected therewith and with the contact surfaces substantially at right angles to the axis of the magnetic coil, and a second moving yoke portion which yoke portions are attracted into contact to form a complete yoke, "fixed" blade contacts and a spring device adapted to resiliently press the fixed blade contacts on the moving contacts when the switch is switched "on" and form a balancing resistance to the movement of the yoke with the blade contacts thereon inwardly of the coil, a spring device exerting a force on the said second magnetic yoke portion in the reverse direction to the magnetic force so that the complete yoke is floatingly supported in a balanced position between the opposing spring pressure of the said spring devices, and a second switch having a moving contact operated by the movement of the magnetic yoke comprising an auxiliary switch having fixed and moving contacts and mechanical means actuating the movement of the moving contact of the auxiliary switch by a multiplied movement of the said second yoke portion and for setting the position of the auxiliary switch moving contact according to the balanced position of the complete magnetic yoke.

2,454,452

LUBE ADDITIVES MADE BY SOLVENT REFINING HIGH MOLECULAR WEIGHT ALIPHATIC-AROMATIC CONDENSATION PRODUCTS

Caleb E. Hodges, Roselle, N. J., and Aloysius F. Cashman, Staten Island, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 19, 1946, Serial No. 697,920
15 Claims. (Cl. 252—58)

12. The process which comprises mixing together naphthalene, aluminum chloride and tetrachlorethane and adding thereto chlorinated paraffin wax containing about 25% chlorine, using about 3–8 mols of chlorinated wax per mol of naphthalene, about 1–3% of aluminum chloride based on the weight of the chlorinated wax and about 20–100 volumes of tetrachlorethane per 100 volumes of chlorinated wax, and maintaining the reaction mixture at a temperature between the approximate limits of 70–150° F. for a reaction time of about ¼ to 5 hours, treating the reaction mixture with a hydrolyzing agent, settling and removing the catalyst sludge therefrom, distilling the reaction products under reduced pressure to a temperature of at least 400° F. to obtain a high molecular weight wax-naphthalene condensation product soluble in mineral oils and having pour-depressing and viscosity-index improving properties as distillation residue, and extracting said distillation residue with ethyl acetate to reduce the chlorine content thereof to less than 2%.

2,454,453

PIGMENT GREEN AND PROCESS FOR PRODUCING THE SAME

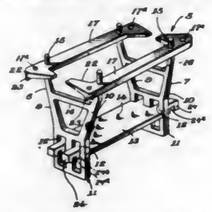
William G. Huey, Nassau, and Walter G. Drautz, Glenmont, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 28, 1945, Serial No. 637,784
6 Claims. (Cl. 106—304)

1. In a process for producing the iron complex of nitroso-β-naphthol wherein a salt of nitroso-β-naphthol is reacted with an iron salt and the thus-obtained iron complex of nitroso-β-naphthol is precipitated, the improvement which comprises incorporating in the reaction mixture before precipitation of the pigment, from 2–6% of a water immiscible oleaginous liquid, and thereafter precipitating said iron complex, in the absence of dispersing agents and insoluble substrates, and recovering and drying the same.

2,454,454

RAIL FASTENER

Marion D. Hughes, Wilmot, Ark.
Application December 6, 1946, Serial No. 714,432
4 Claims. (Cl. 238—314)

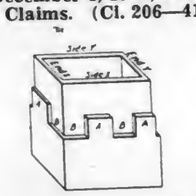


1. A clamp for securing a rail to a crosstie, comprising vertical end members for contact with the vertical sides of the tie, clamp bars for contact with the flanges of the rail, means for securing the clamp bars to the upper ends of the end members, a bottom plate for contact with the lower side of the tie, and means for securing the bottom plate to the end members, said first and second means being adapted to secure said end members together at selected distances apart for ties of different widths and adapted to secure said clamp bars and bottom plate at selected distances apart for ties of different heights.

2,454,455

TELESCOPING CIGARETTE CASE

James W. Irwin, Washington, D. C.
Application December 4, 1945, Serial No. 632,747
5 Claims. (Cl. 206—41)



1. A cigarette case rectangular in cross-section composed of two open ended portions telescopingly engaging each other in frictional engagement, the first portion provided with outwardly projecting abutments arranged in longitudinally offset parts adjacent its open end with spaces between said parts, the second open ended portion provided with abutments and spaces similar to the abutments and spaces on the first portion and offset to cooperate with the abutments and spaces on the first portion; said last named abutments fitting into said first named spaces when the two portions are in telescoping position for containing short length articles, and the abutments on both portions abutting each other in edge to edge position when the second open ended portion is rotated 180° about a vertical axis from the position in which the abutments interfit and telescoped over the first open ended portion for containing greater length articles.

2,454,456

MATERIALS FOR DENTAL PURPOSES

Christe Joannides, Edgware, England
No Drawing. Application February 11, 1944, Serial No. 521,970. In Great Britain March 12, 1943
4 Claims. (Cl. 260—765)

1. A vulcanizable rubber compound having sufficient strength and sufficiently low specific gravity for the manufacture of whole dentures, which contains 40 to 60% crude rubber, 12 to 18% sulphur, 6 to 14% cadmium red and 16 to 34% titanium dioxide.

2,454,457

METHOD OF MAKING DENTURES

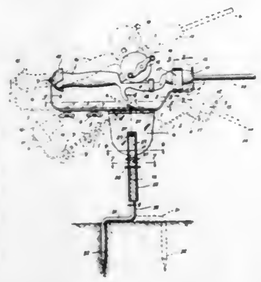
Christe Joannides, Edgware, England
No Drawing. Application February 25, 1944, Serial No. 523,817. In Great Britain March 12, 1943
2 Claims. (Cl. 18—53)

1. A method of making a denture which comprises mixing crude rubber, red and white pigments and sulphur, the sulphur and crude rubber being present in such proportions that when the mix is vulcanised a hard rubber is produced containing at least 40% by weight of crude rubber, and the pigments in the mix being present in a quantity such that the vulcanised mixture is of colour darker in shade than that finally required, moulding and vulcanising the said mixture, polishing the exposed surface of the vulcanised denture, and treating said exposed surface to lighten the color thereof to the desired shade of pink by applying a solution of a substance selected from the group consisting of benzoyl peroxide and hydrogen peroxide.

2,454,458

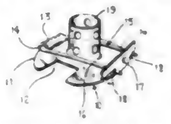
FISHING POLE HOLDER

Howard C. Kaetker, Cincinnati, Ohio
Application May 19, 1945, Serial No. 594,714
4 Claims. (Cl. 248—42)



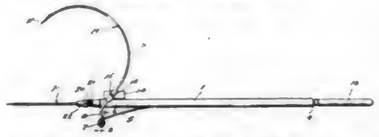
1. A fishing pole holder comprising an elongated bracket, elements at the ends of said bracket for engaging and holding the handle of a fishing pole, a spring device attached to said bracket for engaging and preventing displacement of said fishing pole handle from said elements, a holding plate attached to and extending downwardly from said bracket, a tube pivotally connected with said holding plate, a releasable clamping device for holding said tube and said holding plate relatively immovable, a bearing device supported by said tube, and a ground stake adapted to be extended into said tube into engagement with said bearing device and thereby pivotally support said bracket for turning movements about the axis of said tube.

2,454,459
HAIR CURLER
Lucille King, Bartow, Fla.
Application May 28, 1947, Serial No. 750,961
1 Claim. (Cl. 132—40)



A hair curler comprising a base plate having a centrally located core extending upwardly therefrom, said base plate at one edge thereof providing a knuckle, a clamp formed from an elongated piece of resilient wire bent substantially U-shaped to provide a bight portion journalled in the knuckle and parallelly extending arms adapted to extend transversely of the base plate on opposite sides of the core, a keeper plate formed integral with the base plate on the edge thereof opposite the knuckle, said keeper plate having formed therein oppositely located keeper slots for the reception of the end portions of the arms to yieldably latch the arms over hair disposed between the arms and the base plate.

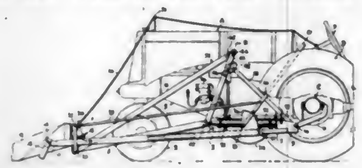
2,454,460
FISH GIG
Walter Koepke, Baytown, Tex.
Application January 16, 1945, Serial No. 573,005
2 Claims. (Cl. 43—5)



1. A fish gig of the character stated comprising a relatively long handle member, a hook consisting of a pair of spaced parallel arcuate members having transversely extending cross members connected therebetween, the arcuate members at one end of the hook being pointed and at the opposite end being in straddling relation with an end of the handle, a pivot pin extending between the members at said opposite end of the hook and transversely of and connected with said handle, means carried by the handle and connected with said other end of the hook for effecting the oscillation of the hook, the pointed ends of the members making up the hook being movable across and in spaced relation with the said one end of the handle, and a prong carried by the said end of the handle and extending longitudinally therefrom, the prong being of a length to extend beyond the radius of the hook when the hook is oscillated to a position to extend across said end of the handle, the pointed members of the hook straddling the prong.

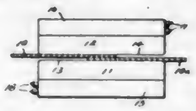
2,454,461
TRACTOR MOUNTED LOADER
William E. Knapp, Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application July 2, 1945, Serial No. 602,784
3 Claims. (Cl. 214—141)

1. In a tractor mounted loader, a longitudinally extending boom disposed at each side of the tractor, each boom comprising two telescopic sections the rear one of which is pivoted at its rear end on the tractor and supporting the forward section for up and down movements at its forward end, a load carrier supported by the forward ends of the booms, a swinging frame structure supported on the tractor above each boom, and including a power lift actuated member connected to the forward section of the boom to raise the same, each frame structure also including a lon-



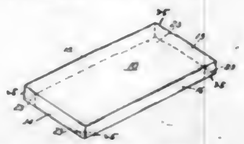
gitudinally extended push bar connected to said forward section of the boom and movable forwardly during a part of the lifting operation to extend the boom in a forward direction, and a generally horizontal fluid actuated piston and cylinder device connected at one end to the swinging frame structure and at its other end to the tractor.

2,454,462
PRODUCTION OF WELDED SILVER CHLORIDE ARTICLES
Harry C. Kremers, Cleveland Heights, and Robert E. Price, Cleveland, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
Application January 11, 1946, Serial No. 640,604
6 Claims. (Cl. 154—116)



5. A method of welding silver chloride sheet comprising compressing two overlapping portions of silver chloride sheet between polished die surfaces maintained at a temperature from 150° C. to 250° C., said surfaces being inert to silver chloride at the temperature employed and the compressive force employed being from 1000 to 10,000 lbs. per sq. in.

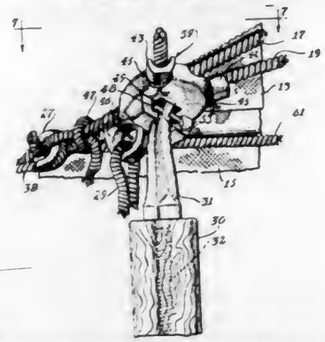
2,454,463
BABY'S SAFETY SHEET
Esther M. Kromer and Edward L. Kromer, Chicago, Ill.
Application October 25, 1946, Serial No. 705,604
1 Claim. (Cl. 5—334)



A baby's safety sheet comprising a rectangular body portion, a pair of opposite end portions and a pair of opposite side portions, said end portions spaced from said side portions, said side and said end portions both extending outwardly from said body portion for substantially the same distance, a pair of integral spaced triangular extensions extending outwardly beyond each of said end portions in prolongation of the side

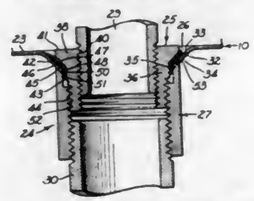
edges of said end portions, said side portions attached to adjacent end portions forming rectangular corner portions, said extensions folded inwardly and attached to adjacent side portions forming box like bottom anchoring portions, said rectangular corner portions and said box like anchoring portions forming pockets on the four corners of said sheet adapted to removably engage a mattress, and when in position on said mattress to prevent accidental removal by the baby therefrom.

2,454,464
TENT STRUCTURE
Walter E. Lee, Chicago, Ill.
Application October 22, 1946, Serial No. 704,903
10 Claims. (Cl. 135—15)



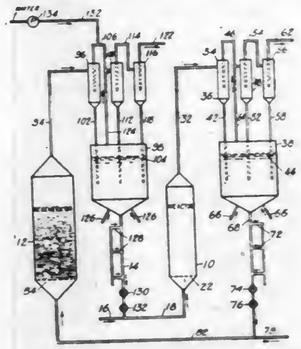
1. Fastening means for securing the rope elements in a tent structure comprising, a fixture having a platform provided with rope cradling recess means on its upper surface, an eyelet portion at one end and at the bottom thereof, and an open pocket portion below the said platform and provided with a depending lip portion; and a support provided with a threaded extension for securing the same to a tent post, and further provided with a pair of trunnions constructed and arranged to rest within the said pocket portion, the said support having also a tongue extension at its top constructed and arranged to abut the said depending lip portion.

2,454,465
PIPE FITTING
Herbert S. Leo and Ben B. Breslow, Los Angeles, Calif., assignors to Utility Appliance Corp., Los Angeles, Calif., a corporation of California
Application September 16, 1946, Serial No. 697,188
5 Claims. (Cl. 285—30)



1. In combination: a container formed of relatively thin material and having a wall depressed in an annular zone to provide a conical inner surface and a conical outer surface, said conical surfaces extending inwardly toward an opening through said wall; a hollow plug member having a hollow head providing a conical surface substantially conforming in shape to said conical inner surface and having a hollow externally threaded neck extending through said opening; a sealing member providing a conical collar disposed between said head and said conical inner surface and providing a neck depending in said opening around said neck of said plug member; and an internally threaded sleeve screwed on said neck of said plug member and providing a conical upper surface engaging said conical outer surface of said receptacle wall within the periphery of said conical collar of said sealing member to compress said conical collar between said conical inner surface and said head of said plug member.

2,454,466
REGENERATION OF FLUID CATALYSTS WITH COOLING OF FLUE GASES BY WATER INJECTION
Earl J. Le Roi, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 3, 1944, Serial No. 520,958
8 Claims. (Cl. 252—242)

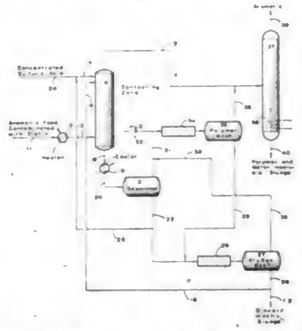


1. In a process for regenerating contact particles suspended in a gaseous regenerating medium by burning combustible deposits from the particles wherein a body of contact particles is maintained in a dry fluidized relatively dense condition in a regeneration zone and regeneration gases while leaving said regeneration zone contain entrained contact particles and the regeneration gases also contain combustible material and oxygen, the step of injecting outside said regeneration zone a non-combustible vaporizable liquid into the regeneration gases containing entrained contact particles to reduce the temperature of the regeneration gases and to control after-burning of the combustible gas in the regeneration gases outside said regeneration zone.

2,454,467
PROCESS FOR REMOVING OLEFINS FROM AROMATIC HYDROCARBONS
Robert M. Love, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 11, 1945, Serial No. 610,338
9 Claims. (Cl. 260—674)

1. A process for treating a predominantly aromatic hydrocarbon feed stock contaminated with a minor portion of hydrocarbons comprising not substantially more than 3% of olefins including the steps of vaporizing said feed stock at a temperature substantially above atmos-

pheric, contacting the vaporized feed stock with a mixture comprising aryl sulfonic acid and concentrated sulfuric acid in a contacting zone, said mixture comprising a major portion of aryl sulfonic acid and a minor portion of sulfuric acid having a strength in the range between 90%

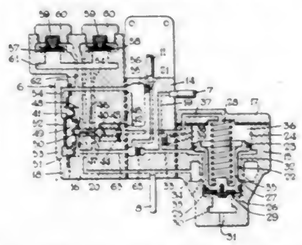


and 100% H_2SO_4 separately removing a vapor phase and a liquid phase from the contacting zone, cooling said liquid phase to a temperature no greater than approximately atmospheric to separate it into a hydrocarbon liquid phase and an aryl sulfonic acid liquid phase and separating said liquid phases under the influence of gravity.

2,454,468
METHOD FOR PREPARING AROMATIC NITRO COMPOUNDS AND AMINES
Edward H. McArdle, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 18, 1943, Serial No. 499,067
6 Claims. (Cl. 260—580)

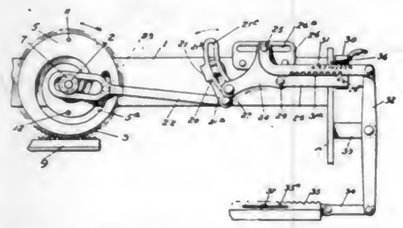
1. A process for the preparation of aromatic mono-nitro hydrocarbons which comprises nitrating aromatic hydrocarbons in the presence of an excess of the aromatic hydrocarbon.

2,454,469
CONTROL VALVE DEVICE
Glenn T. McClure and John W. Rush, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 9, 1946, Serial No. 653,329
8 Claims. (Cl. 303—69)



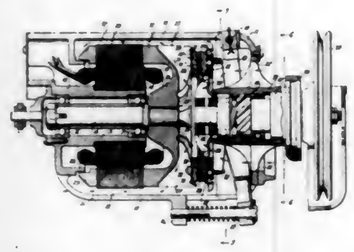
1. The combination of a vent valve device normally in a position establishing a communication through which fluid under pressure may be supplied to a fluid pressure receiving device and operative, in response to a rapid reduction of a control fluid pressure, to a different position closing said communication and establishing a different communication through which fluid under pressure is released from the fluid pressure receiving device, a valve operative to initiate said rapid reduction of the control fluid pressure so as to cause operation of the vent valve device to its said different position, and means effective in cooperation with said vent valve device, while in its said different position, to cause said valve to remain operative to continue the rapid reduction of the control fluid pressure for a certain length of time thereby to maintain said vent valve device in its said different position for a corresponding length of time.

2,454,470
MARGIN JUSTIFYING DEVICE FOR TYPEWRITERS
Oliver O. Martin, Montrose, Calif.
Application May 1, 1944, Serial No. 533,518
23 Claims. (Cl. 197—84)



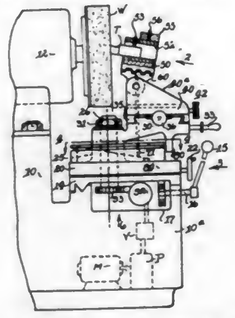
1. In a margin justifying device for a typewriter having a frame and a carriage movable thereon, an escapement rack, a circular member on the carriage, means secured to the typewriter frame and adapted to rotate said member in response to carriage movements, said member having a spiral cam slot, and means riding in said slot and extending to said rack for moving the latter longitudinally on the carriage upon rotation of the member.

2,454,471
SEWING MACHINE DRIVE
James W. Momberg, Somerville, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 21, 1946, Serial No. 717,791
9 Claims. (Cl. 172—36)



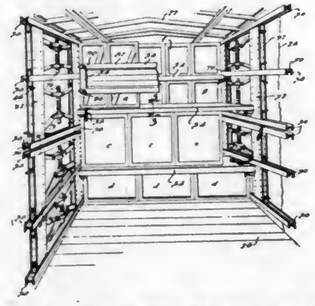
1. In an electric motor drive, a cylindrically shaped casing having ventilating openings in the ends thereof, an inwardly extending tubular support formed on one of the ends of the casing, a stator carried by said tubular support, a shaft journaled in said support and carrying a cup-shaped rotor at one end thereof, the sides of said rotor being spaced from said casing to form an air passageway and extending over said stator and cooperating with a portion of the casing to enclose the internal parts of the motor, and air impelling means formed on said rotor for drawing air through the openings in the casing and forcing it outwardly through said passageway.

2,454,472
TOOL GRINDING FIXTURE
Edward H. Monkley, Worcester, Mass.
Application January 25, 1946, Serial No. 643,373
3 Claims. (Cl. 51—234)



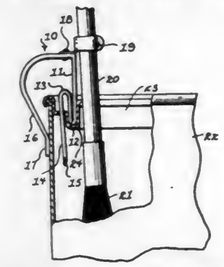
1. A tool grinding fixture comprising a base, a tool holder, a member supporting said holder and mounted to swing about a substantially vertical stationary axis in said base, and means to rock said tool holder in said supporting member in a plane at a slight angle to said vertical axis, said latter means comprising cam plates mounted on said base and concentric with said stationary axis and a pair of actuating rods slidably mounted in said supporting member and engaging said tool holder at their upper ends and said cam plates at their lower ends, and said rods being axially shifted by said cam plates to rock said tool holder as said supporting member is swung about its vertical stationary axis.

2,454,473
APPARATUS FOR LOADING FREIGHT OR THE LIKE
Sulo M. Nampa, Detroit, Mich., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application June 3, 1943, Serial No. 489,445
16 Claims. (Cl. 105—369)



1. In a freight loading system for a freight chamber such as a freight car, the combination of elongated supports in said chamber which are spaced apart in a direction transversely to their length, and a pair of supporting members associated respectively with the said supports, each supporting member comprising a pair of relatively movable parts, at least one of which is constructed for anchoring engagement with the corresponding support so as to enable the other part, by application of force between it and the corresponding anchored part, to be advanced along the corresponding support to a desired adjusted position, freight holding means extending between and carried by said supporting members, and cooperating holding means on said freight holding means and on said supporting members for enabling said freight holding means to be so carried in any of a plurality of different positions of adjustment with respect to said supporting members.

2,454,474
PAINTBRUSH HOLDER
Wilbur O. Nance, Ardmore, Okla.
Application September 15, 1947, Serial No. 774,117
2 Claims. (Cl. 248—113)



1. A holder of the type described, comprising an elongated strip of springy metal, having a straight portion, a supporting loop formed at one end of said portion, and a semi-heart shaped clamping portion formed at the other end at right angles thereto, a clamping loop formed on the upper end of said supporting loop, and a straight portion formed by a continuation of the free end of said clamping loop, a straight jaw portion on the free end of said clamping portion which is adapted to contact the outer surface of the wall of a receptacle, while the straight portion on the clamping loop is adapted to contact the inner surface of the wall of the receptacle to retain the holder on a paint receptacle and means on said clamping portion for engaging the handle of a paint brush.

2,454,475
SCRAPER
Benjamin F. Owen, Omaha, Nebr.
Application September 15, 1943, Serial No. 502,483
12 Claims. (Cl. 37—133)

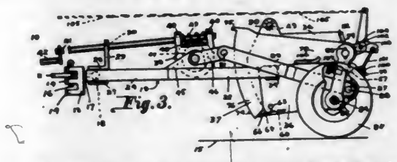
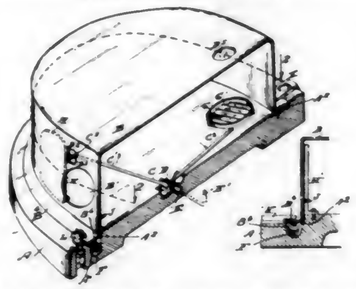


Fig. 3.

1. An earth moving device comprising a tongue having an end arranged to be pivotally attached to the rear of a towing tractor; a bucket having side walls and a rear wall, said walls being rigidly attached together and to the other end of said tongue; said rear wall being provided with a door hingedly connected thereto; said bucket being provided with a front wall and a bottom each being pivotally attached thereto for vertical swinging movements; links having ends pivotally con-

nected to said door and bottom for causing relative movements thereof; means for latching said door and bottom together; a cutter secured to the front edge of said bottom; vertically swingable legs having ends pivotally attached to the sides of the bucket; revoluble wheels attached to the other ends of said legs for supporting the bucket above said earth during transportation of the bucket; means for raising said wheels and front wall above said cutter for permitting the latter to engage said earth for loading said bucket during a forward movement of the bucket; and means for releasing said latch for permitting said load to move outwardly of the bucket.

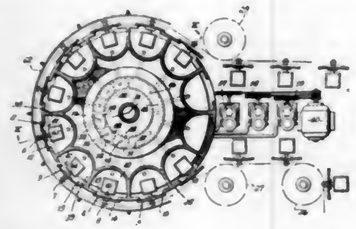
2,454,476
ANIMAL TRAP
Vernon J. Price, West Dearborn, Mich.
Application January 28, 1944, Serial No. 520,046
3 Claims. (Cl. 43—60)



1. A device of the character described comprising a base plate having an annular groove; a rotatable chamber having a flange lodged in the annular groove of the base plate; an inlet opening in the wall of the chamber to admit rodents into the chamber; a stationary door; a spring adapted to rotate the chamber; a stop pin extending inwardly from the wall of the chamber to limit the rotation of said chamber upon the inlet opening of the chamber registering with the stationary door; a manually operated rock-shaft fitted with a pair of rocker arms; a bearing for the rocker arms attached to the base plate; one of said rocker arms having a laterally extending knife edge at its outer end; a slotted opening in the wall of the chamber, through which said knife edge may enter to engage the wall of the chamber, whereby said chamber is held under tension of the spring until released; and means including a bait supporting pan attached to the other arm, whereby a rodent upon attempting to remove the bait will cause the arms to rock, thereby releasing the rotatable chamber under tension of the spring, whereby the inlet opening into the chamber is closed upon registration with the stationary door against the escape of rodents from the trap.

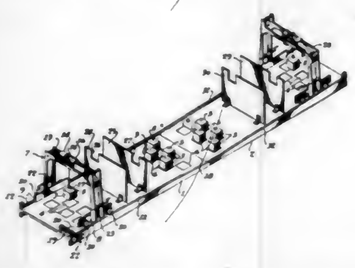
2,454,477
APPARATUS FOR COMPACTING AND PACKAGING MATERIALS
Don Ray, Beverly Hills, Calif.
Original application July 14, 1941, Serial No. 402,392. Divided and this application June 20, 1945, Serial No. 600,526
5 Claims. (Cl. 226—56)

1. In an apparatus of the character described: a rotatable compacting and sealing mechanism including a rotatable body provided with a multiplicity of circumferentially arranged chambers, each of the chambers being provided with an outwardly directed port; means for connecting such chambers progressively with sources of decreasing subatmospheric pressure during predetermined portions of rotation of said body and with atmospheric pressure at other portions of rotation of said body; means positioned within each of said chambers for folding and sealing a container; means for energizing such folding and sealing means at a predetermined portion of rotation of said body and while said chambers are in communication with a source of subatmospheric pressure, said means including a push rod operably connected to each of said folding and



sealing means and extending from each chamber, and a stationary cam in operative engagement with said push rods; and a continuous conveyor peripherally engaging said rotatable body and movable therewith, said conveyor being provided with a multiplicity of longitudinally arranged, pivotally mounted door elements adapted to operably close ports to said chambers, and a foraminous carrier removably attachable to each of said doors and adapted to extend into a chamber in operative position with respect to the folding and sealing means in such chamber; and centering means within each chamber for cooperation with the carriers and doors for guiding the carriers into operative position.

2,454,478
GAME
Melvin R. Roberts, Los Angeles, Calif.
Application June 26, 1945, Serial No. 601,662
3 Claims. (Cl. 46—40)



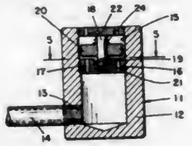
1. In game apparatus: a base; a travelling crane thereon; a hoist supported on the crane; manual means for moving the crane with respect to the base; manual means for moving the hoist with respect to the crane; manual means for operating the hoist; and one or more barriers located at an intermediate part of the base, each barrier having a slot in its upper edge, each of said barriers having an upper edge which, except for the slot, prevents passage of the hoist when loaded.

2,454,479
ROTATING GAME POINTER
Clyde G. Rosenberger, Fort Wayne, Ind.
Application January 7, 1946, Serial No. 639,574
4 Claims. (Cl. 273—141)



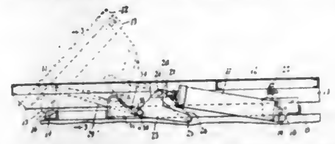
2. In a device of the kind described, a support for game disks, a disk-like dial fixably mounted on said support, said disk-like dial having radially disposed line markings on its upper face to provide scoring faces therebetween, scoring indicia within said faces, and a disk-like rotor rotatably supported on the support above said dial, said disk-like rotor having a plurality of peripherally spaced outwardly tapered striking extensions formed thereon, and an inwardly directed substantially V-shaped window formed therein, and an arrow head positioned in said V-shaped window adjacent the deepest part thereof for indicating scoring indicia on said disk-like dial when said disk-like rotor is spun by finger action against said tapered striking extension.

2,454,480
AIR CONTROL DEVICE
David Rossman, Long Beach, Calif.
Application May 21, 1946, Serial No. 671,224
1 Claim. (Cl. 137—152)



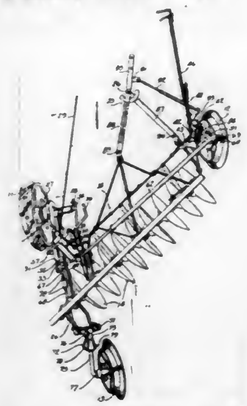
An air control device comprising, a body having a cylindrical cavity closed at one end and having an outlet near said closed end adapted to be connected to an intake manifold of an internal combustion engine; a partition member having orifices therethrough disposed within said cavity, and having an axial pin extending toward the open end of said cavity, said orifices being arranged to be closed by a moveable actuator plate; an actuator plate having an axial hole and adapted to slide on said pin, said plate being smaller in diameter than said cavity to provide an annular passageway for air around its edges, said plate having substantial thickness in the range from about one-fourth to one-eighth of the diameter of said cavity; spring means adapted to hold said actuator plate at times out of contact with said partition member; closure means in the open end of said body cavity having orifices therethrough distributed over its area; and spring means adapted to hold said actuator plate out of contact with said closure means; the air conduits through said closure means, through said partition member, and in the annular space around said actuator plate being of approximately equal cross-sectional areas.

2,454,481
LIFTING MECHANISM FOR DUMP BODIES
George Mackenzie Rumsby, Toronto, Ontario, Canada
Application February 12, 1947, Serial No. 728,157
9 Claims. (Cl. 298—22)



1. In a lift mechanism for a dump body pivotally mounted on the rear end of a frame, a fluid cylinder pivotally mounted at its rear end on said frame to extend approximately in horizontal direction but forwardly of the pivot of the dump body, said cylinder including a piston rod for movement outwardly of the forward end thereof, a lift plate extending longitudinally of said frame for movement in a vertical plane and having a base portion substantially horizontally disposed in the lowered position of the dump body to terminate in a forward end and a rearward end, means pivotally connecting the lift plate to said piston rod at a point above said base portion, a link pivotally connecting said lift plate at its forward end to the dump body, a second link connecting said lift plate to the dump body, said second link being pivoted to said rear end of the lift plate and being pivoted to the dump body above the pivotal mounting thereof, and means providing an inclined face on said frame sloping upwardly and rearwardly from said rear corner of the lift plate and on which this end portion is adapted to slide, the arrangement being such that said second link forms a fulcrum for the lift plate to cause it to swing upwardly in the initial dumping movement and then permit it to ascend said inclined face.

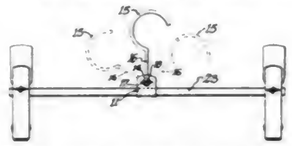
2,454,482
DISK PLOW
Alvah E. Rutter, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application September 30, 1943, Serial No. 504,427
6 Claims. (Cl. 97—53)



2. In a disk plow having a beam, a front truck, a front supporting wheel and raising mechanism, a land wheel, a crank axle therefor, and a power lift clutch for raising and lowering the plow relatively to the land wheel and crank axle, the com-

bination of a connection from said crank axle to said raising mechanism including a rock shaft having an arm, a link connection from said arm to said crank axle, and an arm actuating said raising mechanism, said rock shaft extending in a generally fore-and-aft direction substantially at right angles to said beam.

2,454,483
SWIVEL CONNECTION OR JOINT
Walter J. Rysick, Fort Wayne, Ind.
Application May 2, 1947, Serial No. 745,524
9 Claims. (Cl. 287—91)



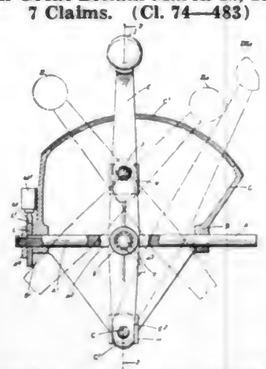
1. A swivel unit including two members, one of which has parallel, spaced wings containing openings opposite each other, a trunnion device, divided lengthwise into two parts, extending transversely of said wings through and journalled in said openings, each trunnion part having at one end a head engaged with the outer side of the adjacent wing, the heads being at opposite ends of the trunnion device, said trunnion device having at the middle a transverse hole that passes through both parts thereof, and the second of said members having a part extending through said hole and having thereon a shoulder to prevent withdrawal of such part through the said hole, the axis of said second part extending perpendicularly to the axis of the trunnion device.

2,454,484
SHAKER CONVEYER
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 4, 1945, Serial No. 620,362
11 Claims. (Cl. 198—220)



1. In a feeding mechanism for shaker conveyers, two reciprocating troughs, one of which is extensible with respect to the other, a carrier member, a link connecting one end of said carrier member with one of said troughs, friction grip means mounted on said carrier member for engagement with the other of said toughs, a transverse shaft, said link being rectilinearly movable with respect to said shaft, a hand lever for operating said shaft, a holding cam freely mounted on said shaft and adapted to engage said link and hold it from rectilinear movement with respect to said shaft, and yieldable means adapted to move said holding cam into position to drop into engagement with and to hold said link from rectilinear movement with respect to said shaft, upon reversal of movement of the conveyer and the positioning of said hand lever in the desired operative position, to cause said link to exert a force on said carrier member in a direction to grip said grip blocks with their respective trough during alternate strokes of the conveyer and move one of said troughs with respect to the other of said troughs.

2,454,485
CONTROL LEVER MECHANISM
Leonard Stanley Snell, Bedfont, Feltham, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain
Application March 1, 1948, Serial No. 12,255
In Great Britain March 12, 1947
7 Claims. (Cl. 74—483)

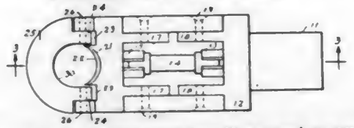


1. Control lever mechanism comprising in combination a framing, a rod member mounted in the framing so that it can be reciprocated and also rotated about its axis, a rocking lever, a pivot connection between the rod member and the rocking lever this connection being at a point intermediate in the length of the lever and the connection being such that when the lever is rocked the rod member will be reciprocated and if the lever is swung laterally the rod member will be rotated about its axis, two sockets on the said framing spaced apart in the direction of the length of the said lever, two lateral projections on the said lever placed on opposite sides of the said pivot connection between the lever and the rod member, and both spaced apart from that pivot connection each projection being adapted to engage one of the said sockets on the framing when the lever is swung laterally about the axis of the rod member, each projection when engaged with a socket functioning as a fulcrum for the said lever so that when rocked the lever will turn about that fulcrum and slide the rod member in a direction which will be determined by the fulcrum projection which is engaged with its socket as the lever is then rocked, and a slotted plate mounted on the said framing and constituting a gate through which the said lever passes and by which it is guided as it is rocked and when swung laterally to engage one fulcrum projection or the other with its corresponding socket on the framing.

2,454,486
VULCANIZABLE MIXTURE OF THERMOPLASTIC INTERPOLYMERS
George William Stanton and Charles Everett Lowry, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application July 28, 1947, Serial No. 764,242
4 Claims. (Cl. 260—45.5)

1. A vulcanizate of a mixture of (A) from 10 to 67 per cent by weight of the thermoplastic interpolymer produced by polymerizing styrene while in aqueous emulsion, at a temperature above 50° C. and then adding monomeric butadiene to the emulsion of substantially fully polymerized styrene and polymerizing the butadiene while dispersed in the emulsion at a temperature above 50° C., in proportions such that the final interpolymer contains from 20 to 80 per cent of styrene interpolymerized with from 80 to 20 per cent of butadiene, and (B) correspondingly from 90 to 33 per cent by weight of the interpolymer of (1) from 25 to 85 per cent of vinylidene chloride, (2) from 15 to 50 per cent of butadiene, and (3) up to 60 per cent of a compound copolymerizable with the vinylidene chloride and butadiene, containing a single ethylenic double bond in its monomeric molecule and capable of forming by itself a thermoplastic polymer.

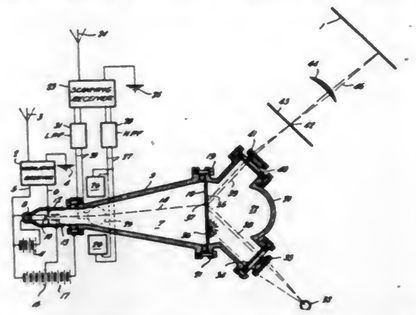
2,454,487
BATTERY CONNECTOR AND FUSE
Clarence Edward Storck, Jr., Lutherville, Md.
Application April 24, 1945, Serial No. 590,033
1 Claim. (Cl. 200—115.5)



A combination fuse and binding post connector comprising in combination, a lug element including a fuse connection coupled thereto, a split socket including an extension part having a predetermined surface arranged for electrical coupling to a binding post by being similarly conformed on one portion thereof and a cap piece hinged at an upper portion to the upper portion of said extension part so the socket can open up underneath and formed to fit around another portion of said binding post, said extension part also including another fuse connection mechanically symmetrical with the first mentioned fuse connection whereby said connections can hold a fuse connectable between them, insulating blocks removably attached to the said element and bridging over to said extension part to electrically and mechanically separate each from the other while at the same time holding them in rigid physical alignment with each other, and forming assembled a fuse holder, and flat springs attached to said extension part and cap piece and joining the split socket together without obstructing the operation of the hinge to position the lug element and extension part at an angle to said cap piece when normally the latter is not attached to said binding post and being subject to straight line alignment when placed on said binding post and the said holder including the extension parts swung on said hinge with an edge of the holder fulcrumed on a portion of the binding post, whereby leverage pressure on the holder will draw the cap piece and extension part of the holder in closer contact with said binding post and electrically couple the lug element through the fuse and connections, said extension part and cap piece to provide a fused coupling between the binding post and the lug element, with said springs holding them rigidly in a position encompassing the binding post when in said straight line alignment after being forced therein and until said holder is forcibly tilted back to its angular unloosened position again.

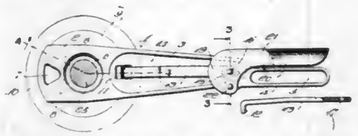
2,454,488
LIGHT MODULATION BY VARIABLE TRANSMISSIVITY RECEIVER SCREEN
Thomas W. Sukumlyn, Los Angeles, Calif.
Original application April 2, 1938, Serial No. 199,667. Divided and this application February 2, 1942, Serial No. 429,146
14 Claims. (Cl. 178—7.5)

10. A television picture reproducing device comprising a source of light, means for projecting an image of said source, control means including an element having a variable light dispersing characteristic adapted to be altered by application of heat thereto, disposed in the projection path of said light to permit its passage therethrough, means disposed adjacent said control



means for reflecting said projected light through said element, said last-named means adapted to be heated by electron bombardment, and means for bombarding said last-named means point by point with a beam of electrons modulated in accordance with a television picture signal.

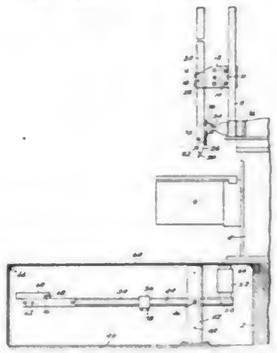
2,454,489
SPANNER WRENCH WITH MEANS TO GRIP THE INNER SURFACE OF PULLEY RIMS
Jerry J. Sullivan, Huntington Park, Calif.
Application May 31, 1946, Serial No. 673,308
5 Claims. (Cl. 81—90)



1. A wrench comprising a body having a head at its front end and a shank extending rearwardly from the head and terminating in a rigid handle, the head being formed with an opening and the shank with a longitudinally extending recess, there being an opening formed adjacent the front end of the recess and a longitudinally extending arcuate slot near its rear end, said shank being formed near its rear end with an opening spaced transversely from the arcuate slot, lugs extending downwardly from the head forwardly of its opening and extending radially thereof and having their front ends beveled from opposite side faces to form sharpened front ends for the lugs, a movable handle U-shaped in cross section straddling the shank and the rigid handle and having front ends of its side flanges enlarged, a pin passing through the opening at the rear end of the shank and through side portions of the enlarged front end portion of the movable handle and pivotally mounting the movable handle, a strip extending longitudinally in the recess of the shank and having its front end portion bent to form a finger passing through the opening at the front end of the shank, the rear end of said strip fitting under the enlarged front end portion of one flange of the pivoted handle, and a pin passing through the slot of the shank and through aligned openings formed through the rear end of the strip and side portions of the front ends of the flanges of the pivoted handle to pivotally connect the strip with

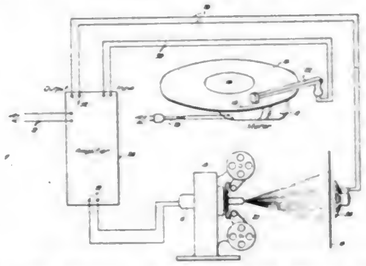
the pivoted handle and cause the strip to be shifted longitudinally and its tooth moved towards and away from the lugs when the pivoted handle is moved.

2,454,490
MACHINE TOOL SHAPER ATTACHMENT
James R. Tackett and Val G. Evans, Olive Hill, Ky.
Original application June 12, 1945, Serial No. 599,074. Divided and this application October 23, 1946, Serial No. 705,092
4 Claims. (Cl. 90—38)



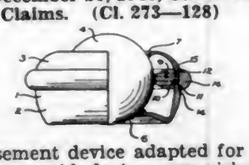
1. A shaper attachment for shaper rams comprising a pair of vertically-disposed spaced parallel support, a cross head mounted for vertical sliding movement mounted in the supports, a block pivoted in the cross head, a rocking arm adjustably mounted in the block, a swivel link connecting the lower end of the arm with the shaper ram, and a tool holder on the lower end of the arm.

2,454,491
METHOD OF REPRODUCING SOUND MOTION PICTURES IN SYNCHRONISM WITH THE PICTURE AND SOUND ON SEPARATE MEDIA
Lloyd Thompson, Kansas City, Mo.
Application November 19, 1945, Serial No. 629,569
3 Claims. (Cl. 88—16.2)



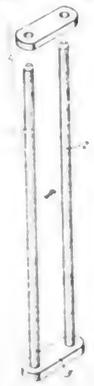
2. The method of reproducing sound motion pictures originally produced with the pictures and sound on a film of one size through use of a projector capable only of projection of films of a smaller size, which method comprises the steps of re-recording the sound from said film on a phonograph record; creating an impulse of predetermined frequency on said record as the sound is re-recorded; reproducing the pictures from said film on a film of said smaller size; playing said record at the rate of twenty-four frames per second; and simultaneously projecting the pictures through use of said projector at the rate of sixteen frames per second as the latter is started by said impulse.

2,454,492
CURLING STONE
William James Turnbull, West Vancouver, British Columbia, Canada
Application December 26, 1946, Serial No. 718,494
3 Claims. (Cl. 273—128)



3. An amusement device adapted for use on a playing surface, said device comprising a thin walled cup shaped lower section of moulded material having a bottom opening, a concavo convex upper section having an opening and a depending wall, both of said openings being concentric with the vertical axis of the casing, a bearing connecting the lower and upper sections and extending inwardly therefrom, a heavy ball freely journalled in the bearing, said ball being adapted to project through the bottom section opening to bear upon the playing surface when the casing is in contact with said surface.

2,454,493
CROCHET FRAME
Verla E. Upstill, Minneapolis, Minn.
Application November 18, 1946, Serial No. 710,533
1 Claim. (Cl. 66—1)

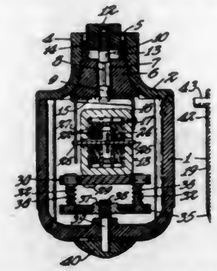


In a crochet frame, a pair of elongated spaced parallel work rods, a permanent spacer link connecting one end of each work rod to a like end of the other thereof, and a detachable spacer link on the opposite ends of said rods, said detachable spacer link having a pair of spaced openings adapted to snugly receive the free ends of said rods.

2,454,494
BONE CONDUCTION RECEIVER
Leland A. Watson and Paul C. Heijn, Minneapolis, Minn., assignors to the Maico Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application May 27, 1946, Serial No. 672,672
2 Claims. (Cl. 179—107)

1. An audiometric device for determining bone conduction acuity comprising a casing having a

head-engaging portion, a plunger mounted for limited reciprocating movements in said head-engaging portion and normally projecting outwardly therefrom, a magnetic reproducer having a vibratory element mounted for reciprocation within said casing, means rigidly connecting the plunger to the vibratory element on the reproducer, a thrust plate in said casing, yielding

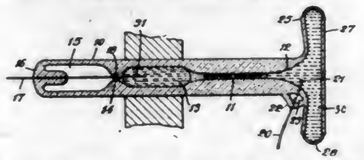


biasing means interposed between the thrust plate and the magnetic reproducer, and means for imparting movements to the thrust plate whereby to vary the pressure exerted by the yielding biasing means against the reproducer and plunger, said last-mentioned means terminating in a manually operatable knob exterior of the casing and remote from said plunger.

2,454,495
ALDEHYDE CONDENSATION PRODUCTS OF AMINOTRIAZINES AND THE MANUFACTURE THEREOF
Gustave Widmer and Theodor Sutter, Basel, Willi Fisch, Binningen, and Ernst Hochuli, Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del.
No Drawing. Application June 12, 1940, Serial No. 340,176. In Switzerland July 1, 1939
16 Claims. (Cl. 260—21)

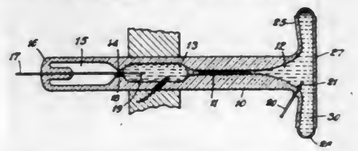
1. As new articles of manufacture the substantially neutralized polymeric condensation products obtained by condensing aldehydes with aminotriazines, and with compounds containing at least one alcoholic hydroxy group, at temperatures below 50° C., in presence of a proportion of an acid catalyst amounting to from about ⅓ to about 2 mols per mol of aminotriazine, said products being characterized by a high degree of etherification, by a comparatively low degree of condensation, by high solubility, and by a high stability to storing.

2,454,496
TRANSDUCER
Howard W. Ashton, South Ardmore, Pa., assignor to O. W. Storey & Associates, Chicago, Ill., a partnership
Application April 9, 1947, Serial No. 740,419
7 Claims. (Cl. 171—330)



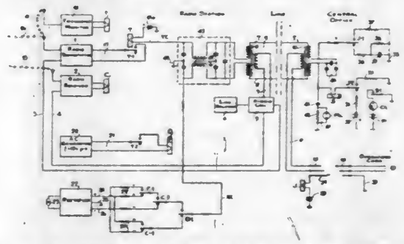
1. A transducer comprising a tubular insulating member having a capillary bore and enlarged regions at opposite ends of said bore, capillary electrometer interface-forming liquids within said member and forming at least one interface within said bore, conducting liquids in said regions, said tubular member having a flaring portion at one end thereof and having an end wall sealing said tubular member at the flared portion, said flaring portion forming part of one of said enlarged regions and having a weakened, annular flexing zone, and leads to the liquids on opposite sides of the capillary.

2,454,497
ELECTRICAL APPARATUS
Howard W. Ashton, Havertown, Pa., assignor to Oliver W. Storey, Chicago, Ill., as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill.
Application August 8, 1947, Serial No. 767,507
10 Claims. (Cl. 171—330)



1. A capillary electrometer transducer comprising an insulating container having two chambers therein connected by a capillary channel, interface-forming liquids in said capillary channel providing at least one interface in said channel, conducting liquids in said chambers for providing electrical connections to said interface-forming liquids, said container having a third chamber connected to one of said two chambers by a restricted channel with the liquid in said one chamber extending at least partly into said restricted channel, wire leads extending from the exterior of the capillary system to the liquid-filled chambers, one of said wires having a portion disposed in said third chamber, said one wire extending through said restricted channel into the liquid in said one chamber.

2,454,498
SIGNALING AND CONTROL SYSTEM FOR CARRIER TELEPHONE TRUNK CIRCUITS
Everhard H. B. Bartelink, Bronxville, N. Y., assignor to General Telephone Corporation, New York, N. Y., a corporation of New York
Application February 29, 1947, Serial No. 729,829
7 Claims. (Cl. 250—6)



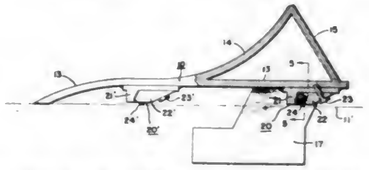
1. In a communication system: a carrier current transmitter and receiver; a two-conductor circuit connecting the same to a central office; a carrier relay responsive to carrier current incoming to said receiver; a transmitter relay for switching on carrier current outgoing from said transmitter; a supervising relay at the central

office; means including said carrier relay and one conductor of said two-conductor circuit, for energizing said supervising relay in response to incoming carrier; and means including the remaining conductor of said two-conductor circuit and switching means at the central office for energizing said transmitter relay to switch on the outgoing carrier.

2,454,499
X-RAY SCREEN
William H. Byler, Morris Plains, and Clayton C. Carroll, Madison, N. J., assignors to United States Radium Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 21, 1944, Serial No. 564,549
1 Claim. (Cl. 117—33.5)

An X-ray screen coated with a luminous material composed of zinc sulfide, cadmium sulfide, with a trace of silver, the cadmium sulfide content being above 38%, the silver content being not more than one part in 3000, and the balance being substantially all zinc sulfide, the dominant wave length of the fluorescent color of the luminous material being in the range of 559 to 618 millimicrons.

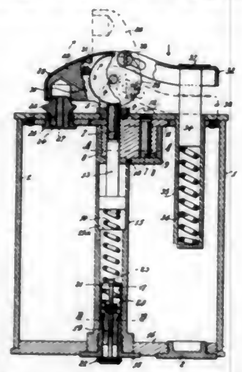
2,454,500
CAR-RAIL STOP
John L. Bowen, Sr., Morgantown, W. Va.
Application September 25, 1946, Serial No. 699,109
10 Claims. (Cl. 104—257)



1. A non-slidable rail stop device that is constructed to translate force exerted by a car wheel into a proportionate rail-biting force which comprises, a body portion having a wheel-receiving part constructed and arranged at its front end to rest upon a rail and to guide the car wheel on the device, said wheel-receiving part being sloped upwardly from the front end thereof toward a rear end thereof for receiving the car wheel thereon, a key part projecting from beneath said body portion into engagement with the rail, said key part being located in a backwardly-spaced wheel-supporting relationship with respect to the front end of said wheel-receiving part, said key part having a rail-engaging edge that is positioned with a backward bias with respect to the device and with respect to the direction of movement of the wheel on the device.

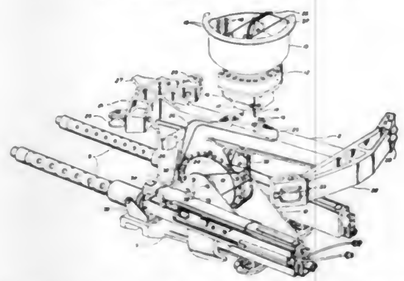
2,454,501
PYROPHORIC LIGHTER
Frederick James Camm, London, England
Application May 16, 1946, Serial No. 670,056
In Great Britain January 25, 1946
1 Claim. (Cl. 67—7.1)

A pyrophoric lighter comprising a suitably shaped closed receptacle adapted to contain absorbent material saturated with inflammable liquid, a closable liquid filling orifice in said receptacle, an abrasive "flint" wheel mounted in bearings on the outside of the receptacle, a wick nipple carried adjacently to the "flint" wheel, a channel shaped lever pivoted to the axis of the "flint" wheel and forming a guard therefor, a block carried within one end of the lever to form a snuffer for the wick and formed with a tangential surface contiguous to the periphery of the "flint" wheel, a roller (or ball) interposed between such surface and the periphery of the "flint" wheel to form therewith a one way clutch, a bifurcated finger operable arm aligned with said lever and slotted to receive headed studs screwed into the sides of said lever, a spring controlled



rectilinearly moving plunger depending from said arm, a magazine for a plurality of "flints" consisting of a series of concentrically and vertically arranged pockets, one for each "flint," formed in a barrel rotatably carried within a casing fixed within the upper part of the receptacle, a "flint" nipple carried on the top plate of the receptacle beneath the periphery of the "flint" wheel and the bore of said nipple communicating with one of said pockets and an adjustable spring operated from outside the receptacle for impelling the positioned "flint" on to the "flint" wheel, as set forth.

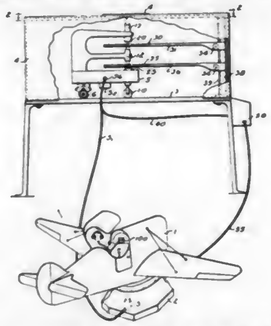
2,454,502
GUN SUPPORTING MECHANISM
John C. Christian, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application June 30, 1945, Serial No. 602,533
6 Claims. (Cl. 89—37.5)



1. Gun supporting mechanism comprising a stationary housing having a substantially circular opening therein, a carriage received within said housing opening and including a beam extending substantially diametrically above said housing opening and having arms extending transversely of said beam at opposite ends thereof projecting beyond opposite sides of said beam,

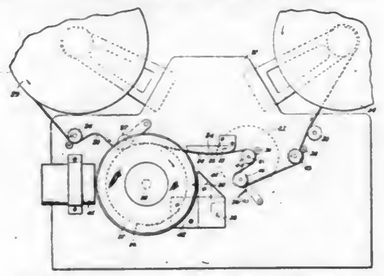
roller means interengaged between said arms and said housing and operable to support said carriage from said housing, a frame beneath and supported by said beam, adapted to carry a gun, and means operable to swing said frame relative to said carriage, and to rotate said carriage relative to said housing, for effecting aiming movement of the gun carried by said frame.

2,454,503
AUTOMATIC AURAL-VISUAL SIGNAL TRANSMITTER FOR AVIATION GROUND TRAINERS
Carl J. Crane, Dayton, Ohio
Application March 30, 1940, Serial No. 327,003
20 Claims. (Cl. 35—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



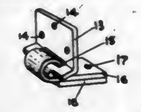
18. The combination with an aviation ground trainer for simulating the flight of an aircraft, of a remotely located position recording carriage movable responsive to operation of the ground trainer by a student, of a light source for transmitting light relative to the area over which said carriage is movable, photoelectric means attached to said carriage and means cooperating with said light source and photoelectric means for varying the light received by said photoelectric means in accordance with a predetermined intensity pattern corelated to the area over which said carriage is movable to thereby produce an electric current of a strength depending on the intensity of light received by said photoelectric means and signal means operated by said electric current.

2,454,504
NONINTERMITTENT CINEMATOGRAPHIC PROJECTOR
Franz F. Ehrenhaft, Forest Hills, N. Y.
Application January 29, 1946, Serial No. 644,105
11 Claims. (Cl. 88—16.8)



1. In a cinematographic projector, in combination a light source emitting a projecting light beam; a film gate arranged in the path of said light beam and adapted to guide a film during movement of said film through said film gate so that said light beam emitted by said light source is impinging on one side of said film; a sprocket arranged in the plane of said movement of said film through said film gate immediately adjacent to one end of the same in such a manner as to engage the other side of said film before passing through said film gate; a compensating prism arranged co-axially with said sprocket having a diameter being larger than the diameter of said sprocket; means carrying both said sprocket and said compensating prism rotatably about a common axis which is normal to said plane of movement of said film through said film gate; light reflecting means arranged in said path of said light beam after the same has passed through said film gate reflecting said light beam through said compensating prism; film transporting means arranged in the path of said film after the same has passed through said film gate; and fly wheel means arranged immediately adjacent to the other end of said film gate between the same and said film transporting means and constructed in such a manner as to engage said film immediately after the same has passed through said film gate and to be rotated by the same.

2,454,505
DOOR HOLDER
Edward L. Evans, Wilmington, N. C.
Application August 23, 1946, Serial No. 692,648
1 Claim. (Cl. 292—76)

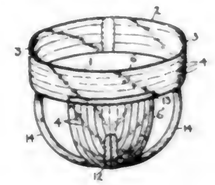


A door holder, comprising a plate adapted to be rigidly secured to a vertical surface of a door frame adjacent the opening therein, an integral lateral portion of said plate extending laterally therefrom substantially at right angles thereto in a plane substantially parallel to the edge of a closed door, said portion being formed with an elongated slot therein, said portion including a free edge formed with an integral extension comprising a tongue of reduced diameter, said tongue being formed to provide a coil spring including a turn extending through said slot, said tongue terminating in a straight portion extending inwardly of said opening of said frame at an acute angle to said lateral portion of said plate whereby to resiliently engage and hold an edge of a closed door.

2,454,506
COMPOSITION OF RUBBERLIKE QUALITIES
Albert C. Fischer, Chicago, Ill.
No Drawing. Application January 6, 1943, Serial No. 471,503
5 Claims. (Cl. 260—758)

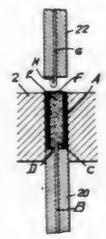
1. A combined bituminous and rubber composition formed of a batch compounded of a minor proportion of rubber, not less than 3½%, 35 to 40% of an asphaltic material having a melting point of about 170° F. to 180° F., ½ to 1% of a plasticizing agent, 35 to 40% of an asphaltic material of a different grade having a flow point of about 90° F., 5 to 10% of a mineral filler, and 1 to 3% of a flow retarding agent, forming a homogeneous composition characterized by a high degre of yieldability, elasticity, cohesiveness and adhesive tenacity.

2,454,507
ATHLETIC SUPPORTER
Charles J. Flaherty, New York, N. Y.
Application September 14, 1944, Serial No. 554,001
4 Claims. (Cl. 66—190)



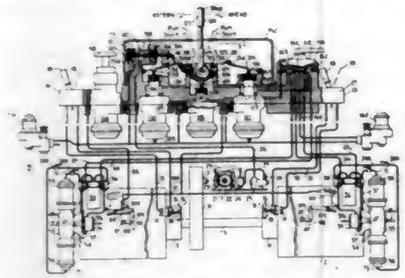
1. An athletic supporter comprising a waistband made of elastic knitted webbing having a single elastic element constituted by a plurality of rubber strands extending lengthwise at spaced intervals in the webbing, the spaces between the strands being filled with an elastic knitting fully enclosing the strands, the rubber strands being turned around at the ends of the webbing in a continuous zig-zag pattern, the ends of the webbing being stitched together edgewise by a flat-lock stitching; and a pouch made of an elastic knitted material attached to the lower edge of the waistband by a stitching.

2,454,508
RESISTOR AND METHOD OF MAKING THE SAME
George G. Herrick, Benzinger Township, Elk County, and Hugh N. Veley, St. Marys, Pa., assignors to Speer Resistor Corporation, St. Marys, Pa., a corporation of Pennsylvania
Application December 13, 1940, Serial No. 370,010
2 Claims. (Cl. 201—63)



1. The method of making a molded resistor comprising compressing, in an opening in a die and about a pin extending centrally through said opening, loose insulating material to form a cylinder thereof, withdrawing the pin while leaving the cylinder in said opening, closing the lower end of the cylinder by means of pressure applying member carrying a projecting lead wire, filling into the cylinder and about a projecting portion of the lead wire loose resistance material, and applying to both the cylinder and contained resistance material pressure by means of said member and a second opposing member also carrying a projecting lead wire, thereby to form a resistor having the lead wires embedded in the resistance material thereof.

2,454,509
CONTROL APPARATUS
Ellis E. Hewitt, Edgewood, and Arthur G. Larson, Forest Hills, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 3, 1943, Serial No. 501,062
9 Claims. (Cl. 60—97)



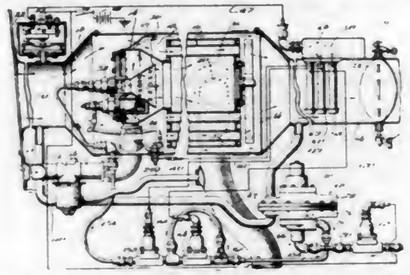
1. An apparatus for controlling operation of a control means for a reversible prime mover which control means is selectively operable to condition said prime mover for operation in either one direction or in the reverse direction and for also controlling the positioning of a control member for said prime mover which control member has a first position, a prime mover starting position, and a third position intermediate said first and starting position for effecting operation of said control means, said apparatus comprising in combination, mechanism operable to move said member from said first position to said starting position, an operator's control device operable upon movement to a start position to effect operation of said mechanism to move said member from its first position to its starting position, stop means operable to limit movement of said member to its intermediate position upon movement of said operator's control device to its start position, and means controlled by said control means operable to render said stop means effective during operation of said control means and ineffective upon conditioning of said prime mover for operation.

2,454,510
METHOD OF FORMING A COFFEE CONCENTRATE
Wilbert A. Heyman, New York, N. Y.
No Drawing. Application October 14, 1944, Serial No. 558,733
11 Claims. (Cl. 99—71)

1. The method of forming a coffee concentrate which comprises heating coffee to a roasting temperature, quenching the hot roasted coffee with a solution comprising corn syrup so that the volatile coffee constituents given off during this quenching are retained by the corn syrup, and separating the solid, insoluble residual coffee from the liquid solution containing the volatile flavors.

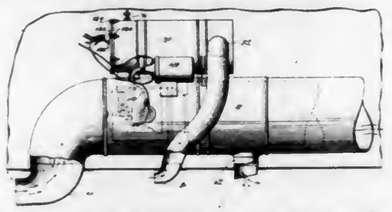
2,454,511
COMBUSTION AIR HEATER HAVING VARIABLE OUTPUT WITH CONSTANT TEMPERATURE
Seymour E. Heymann, Evanston, and William A. Marshall, Jr., Chicago, Ill., assignors to Stewart-Warner Corporation, a corporation of Virginia
Application April 13, 1944, Serial No. 530,788
2 Claims. (Cl. 126—110)

1. A heating apparatus of the class described, comprising a heater having a combustion chamber and a heat exchanger, said heat exchanger having inlet and outlet ventilating air connections, a ram which supplies ventilating air to said heat exchanger inlet at a variable rate and at variable pressure, a nozzle for supplying fuel to said combustion chamber, a source of fuel under constant pressure, fuel regulating means connecting said source with said nozzle to increase or decrease the flow of fuel to said combustion chamber in proportion to increases or decreases in the pressure drop of the ventilating air across said heat exchanger, said regulating means in-



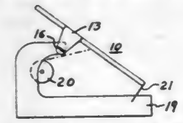
cluding a sealed diaphragm chamber, diaphragm means in said chamber, means forming static pressure connections at the inlet and outlet connections of said heat exchanger, and conduit means connected for establishing communication between the space in said chamber on opposite sides of said diaphragm and the inlet and outlet static pressure connections of said heat exchanger, and valve means located at the outlet end of the heat exchanger and adjustable at will to vary the flow of ventilating air through said heat exchanger.

2,454,512
AIRCRAFT HEATER, INCLUDING MEANS TO PREVENT FUEL CONTAMINATION OF THE VENTILATING AIR
Seymour E. Heymann, Evanston, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 17, 1945, Serial No. 610,978
5 Claims. (Cl. 126—116)



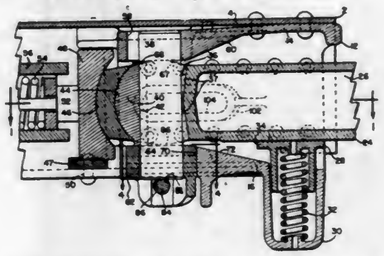
2. An aircraft heater comprising a spray-type liquid fuel burner, a combustion chamber and a heat exchanger associated with said burner, a ventilating air case enclosing said heat exchanger and supporting the latter, said spray-type burner including a fuel nozzle and a fuel line passing through said air case and connected to said nozzle and means forming a jacket enclosing said connection, an air pipe for supplying combustion air to said burner, said air pipe being connected to said jacket and enclosing said fuel line so that fuel leaking from the connection will be carried into said burner along with the combustion air, a pressure-tight container, means securing said container to said casing so that said container is supported from said casing, said container having a pressure-tight closure member, fuel control means located in said container and connected to said fuel line, means connecting said air pipe to the bottom of said container, said pipe acting as means for conducting combustion air to said burner, an inlet combustion air connection for said container, and a fuel supply fitting passing through the wall of said container in air-tight relationship thereto, said fitting being connected to said fuel control means.

2,454,513
SHIELD FOR DENTAL LATHES
John P. Honey, Danville, Ill.
Application June 21, 1945, Serial No. 600,818
4 Claims. (Cl. 51—272)



1. A dental shield comprising a rectangular frame, having upright sides and a ledge disposed at right angles to the sides, means disposed on the sides of the frame near the midpoint but slightly nearer one end than the other, including members for adjustably attaching the frame to a dental splash box, and a transparent shield resting unsecured upon the above mentioned ledge within the frame.

2,454,514
COUPLER ATTACHMENT
Frank H. Kayler, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 6, 1946, Serial No. 714,436
20 Claims. (Cl. 213—12)



1. In a device of the class described, a car body underframe including a center sill, a hollow member encased within said center sill and comprising a striking casting and coupler support, a coupler shank projecting into said member, spaced guides in said member embracing the inner end of said shank therebetween, arcuate surfaces on said inner end of said shank engaging said guides, and slidable universal coupling means securing said shank to said member and permitting angling of said shank in both vertical and horizontal directions, and allowing said shank to reciprocate within said member, said means comprising a vertically disposed pivot pin extending through an opening in said shank and having the opposite ends thereof received within vertically aligned slots in said guides, said slots being elongated in the direction of the length of said shank and permitting said pin to slide therein upon reciprocal movement of said shank

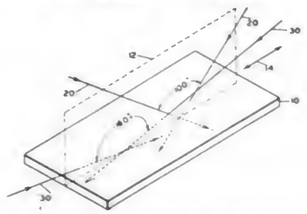
in a direction inwardly and outwardly of said member, yieldable means abutting the inner end of said shank and limiting the inward movement thereof, a bushing sleeved over at least one end of said pin and received in the associated slot and slidable with said pin therein, and securing means extending through said bushing and seated against the adjacent end of said pin.

2,454,515

LIGHT-POLARIZING SHEET OF MOLECULARLY ORIENTED TRANSPARENT LINEAR HIGH POLYMER DYED WITH DICHROIC SUBSTANCE AND PROCESS OF MANUFACTURE

Edwin H. Land, Boston, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware

Application October 29, 1938, Serial No. 237,783
20 Claims. (Cl. 88—65)



1. The process of making a light polarizer, comprising rendering rubber-elastic a sheet of a transparent, linear, high polymeric plastic material, extending said sheet substantially to the limit of extension of its rubber-elastic state, setting said sheet in said extended condition, and rendering said sheet dichroic by dyeing said sheet with a dichroic stain at one stage of said process.

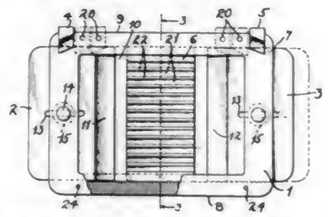
12. A plane polarizing film having a high degree of transparency for polarized light and comprising a light-polarizing substance dispersed throughout light-transmitting, high molecular weight synthetic linear polymer which has been extended under stress in the solid unoriented state with the polarizing substance contained in the solid polymer to a state of permanent high linear extension and molecular orientation of the polymer and of the polarizing substance in the direction of the stress, said plane polarizing film exhibiting a high degree of permanent orientation up to temperatures approaching the melting point of the polymer.

2,454,516

ADJUSTABLE MULTIPLE PLATE HOLDER

Fred R. Laureyns, Middle Village, N. Y.

Application May 9, 1947, Serial No. 747,079
5 Claims. (Cl. 211—41)



1. A plate holder for supporting a plurality of plates thereon in a vertical position comprised of a frame member formed with a flat top portion having a central opening therethrough, a pair of block members having sliding engagement with said frame member and having beveled plate supporting inner ends, means for adjustably positioning the block members with respect to said frame member so that their inner ends are adapted to support different sized plates, a pair of plate rest arms removably mounted on said frame member, and grooved plate supporting means made of resilient material positioned in the holder between the beveled ends of said block members.

2,454,517

NAPKIN HOLDER

Walter J. Lisek, Chicago, Ill.

Application December 19, 1944, Serial No. 568,870
3 Claims. (Cl. 24—81)



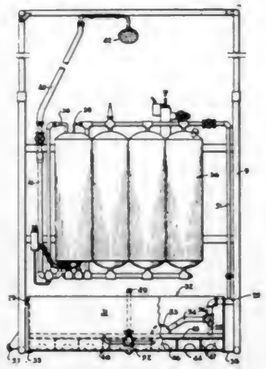
1. A napkin holder adapted to be attached to an article of apparel on a wearer and capable of supporting a napkin therefrom comprising a pair of T-shaped members, the said members fastened one behind the other along one edge and spaced apart a determined distance, a pair of bulges in the forward face of the back T-member extending to the back of the front T-member, and a clip secured to the face of said front T-member.

2,454,518

PORTABLE SHOWER UNIT

Gordon McCann, Oakland, Calif.

Application November 13, 1944, Serial No. 563,250
4 Claims. (Cl. 4—146)



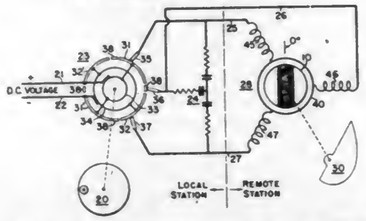
1. In a shower unit of the character described, a frame comprising relatively spaced vertical members at the front and at the rear thereof, means between the rear members securing same together in fixed spaced relation, a tray pivotally secured to the rear members for horizontal positioning adjacent the bottom of the frame and for vertical positioning substantially parallel to the rear members, arms secured to corresponding front and rear members and pivotally secured together to hold the corresponding members in operative spaced relation or permit the front members to be swung relatively inwardly against and overlying the tray when the latter is vertically disposed, and means releasably securing the front members in outwardly extended position.

2,454,519

COMBINATION STEP-BY-STEP AND INDUCTION MOTOR

Joseph T. McNaney, Baltimore, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware

Application September 26, 1946, Serial No. 699,460
10 Claims. (Cl. 318—27)



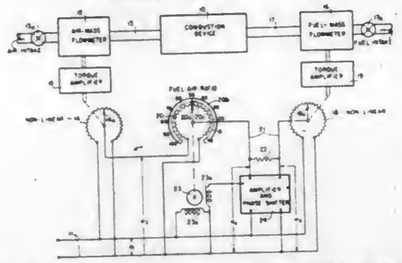
10. Means for remotely tuning a receiver comprising a motor, said motor comprising a hollow stator, a cylindrical rotor mounted for rotation within said stator, said rotor comprising a laminated core of highly permeable metal and a cylindrical core supporting member surrounding said core, said core extending diametrically through said member, said member being formed of material of lower electrical resistivity and higher magnetic reluctance than the material of said core, a tuning element for said receiver, means driving said element in proportion to the movement of said rotor, and means for providing a magnetic field rotating in a stepwise fashion within said stator, the last named means comprising a source of control voltage, means applying said voltage to said stator in a manner to create a magnetic field in the space occupied by said rotor, and remotely located means for varying the application of said voltage to said stator in a manner to rotate said magnetic field.

2,454,520

RATIO-MEASURING SYSTEM

David W. Moore, Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware

Application March 23, 1945, Serial No. 584,465
7 Claims. (Cl. 177—351)



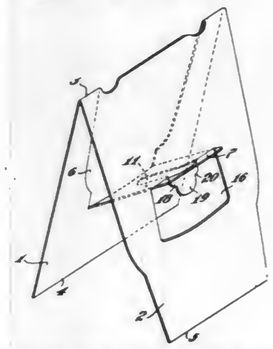
5. A system for continuously measuring the ratio of two variable quantities comprising, an electric supply circuit, a pair of voltage dividers coupled to said supply circuit each including an adjustable contact, means for adjusting the contact of one of said dividers in accordance with variations of a first of said quantities, means for adjusting the contact of the other of said dividers in accordance with variations of the other of said quantities, a third voltage divider connected across the portion of one of said pair of dividers selected by its contact, a comparison circuit including the contacts of said third divider and the other of said pair of dividers, means controlled by said comparison circuit for adjusting the contact of said third divider to balance said comparison circuit, and ratio-indicating means associated with said third divider and including a pointer adjusted in accordance with adjustment of the contact thereof.

2,454,521

EASEL BACK

Gordon E. Nichols, Middleboro, Mass., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass., a corporation of Massachusetts

Application March 9, 1946, Serial No. 653,338
15 Claims. (Cl. 248—35)



4. A foldable easel back comprising a stiff panel having a leg and a brace connected thereto, the leg and brace having complemental interlocking parts operative when engaged to hold the leg in downwardly divergent position of use relatively to the panel, the lower end of the brace being united to the panel, the leg being hinged at its upper end to the panel and having an aperture through which the brace projects, the leg having a downwardly directed tongue at the upper edge of its aperture, the tongue comprising a base portion and a relatively narrow central tab projecting from the lower end of the base portion, the tongue having substantially horizontal shoulders where the tab protrudes from the base, the brace having a substantially T-shaped slot comprising an elongate guide portion having parallel edges and of a width just sufficient to accommodate said tab with a free sliding fit, the edge of the guide portion merging with upwardly divergent edges defining the bottom of the crossbar of the T-slot, the maximum width of said crossbar portion of the slot being sufficient to accommodate the base of the tongue.

2,454,522

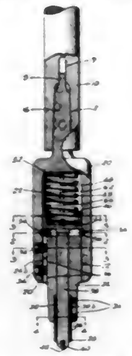
TUBULAR SAW CHUCK

Rufus N. Palmer, Pittsburgh, Pa., assignor to American Pearl Button Co., Washington, Iowa, a corporation of Iowa

Application December 26, 1944, Serial No. 569,750
4 Claims. (Cl. 79—16)

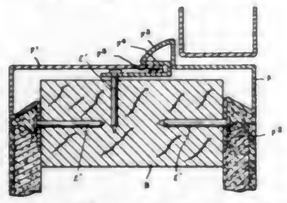
1. In a chuck for tubular saws, a hollow body, a saw sleeve therein, a tubular saw in said sleeve, an annular interior groove in said body, an arcu-

ate stop element therein and having a stop portion projecting sufficiently far into the bore of said body to be engaged by said sleeve, an expeller rod having a head of sufficient size to be



engageable with the inner surface of said arcuate stop element, and a spring within said body and biasing said head toward said stop element, said arcuate stop element limiting the inward movement of said sleeve in the bore of said body.

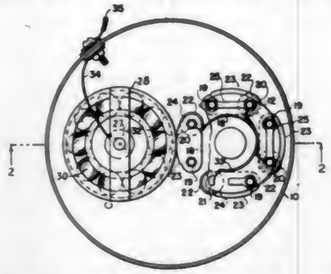
2,454,523
DOOR CASEMENT AND METHOD OF FORMING THE SAME
George Philip, Detroit, Mich.
Application June 11, 1945, Serial No. 598,815
3 Claims. (Cl. 189—46)



1. A casement for door frames comprising a pair of complementary strips each of a cross section having a portion forming a lining for the door opening and a portion for attachment to the door frame, the door lining portion of one of said strips having an open return bend therein with the under portion thereof extending beyond the upper portion and the lining portion of the other strip telescopically engaging said open return bend to provide for adjustment to different widths of door frames and means engaging the projection on said under portion for securing it to said door frame being concealed by the overlying strip.

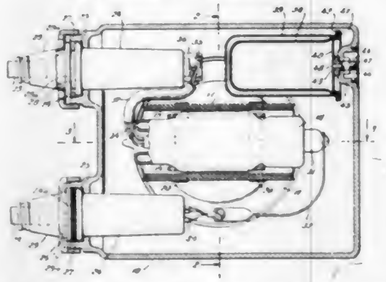
2,454,524
TIMER SWITCH FOR INTERNAL-COMBUSTION ENGINES
Henry Fred. Carl Rietschel, Nassau County, N. Y.
Application August 27, 1946, Serial No. 693,219
5 Claims. (Cl. 200—26)

1. A contact maker for gas engines or the like comprising in combination, a rotary shaft adapted to be rotated in synchronism with the engine, a head carried by said shaft having a plurality of circumferentially extending members disposed about its periphery each pivoted to said head at its forward end and constrained in its outward movement about said pivot, a rotary circular electrode mounted adjacent to said head in position to be contacted by said circumferential members, said electrode being insulated from said



head, and a terminal connected to one of said rotatory members.

2,454,525
X-RAY APPARATUS
Thomas H. Rogers, New Canaan, and William W. Fengler, Glenbrook, Conn., assignors to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application October 9, 1946, Serial No. 702,138
5 Claims. (Cl. 250—89)

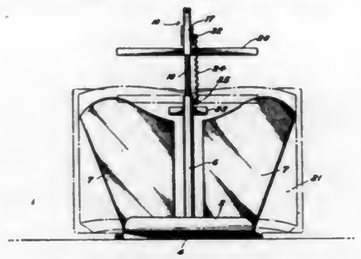


5. A shockproof X-ray unit which comprises a housing containing insulating fluid, an X-ray tube mounted within the housing with its longitudinal axis generally parallel to the side walls of the housing, the tube having terminals at its opposite ends, a pair of cable terminal members mounted within the housing at one end and extending generally parallel to the longitudinal axis of the tube on opposite sides of said axis and at least in part on opposite sides of the tube, the longitudinal axes of the cable terminal members lying in a horizontal plane offset from a horizontal plane through the longitudinal axis of the tube.

2,454,526
READING STAND
Antonio Savastano, Mount Vernon, N. Y.
Application April 1, 1947, Serial No. 738,691
7 Claims. (Cl. 45—57)

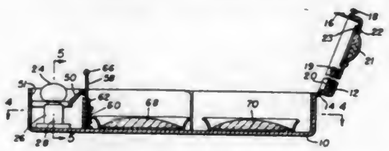
1. A book rack comprising a base, supporting plates rising from the forward portion of said base at a rearward incline and having inner side edges spaced from each other transversely of the plate to provide space for receiving the binding of a book set upright upon the base and resting against the plates, a tubular post rising from the base back of the space between the plates and open at its upper end, a rod slidable vertically in said post through the upper end thereof, a spring in said post urging the rod upwardly to a raised position, a block at the upper end of said rod, a

strip of resilient material bent intermediate its length to form a bridge mounted upon said block in straddling relation thereto and front and rear arms, the front arm extending forwardly and downwardly from the block in forwardly spaced relation to the rod for overlapping the upper portion of a book resting against the plates and carrying at its lower end a cross bar for bearing against pages of an opened book, a sleeve extending longitudinally of the post against the rear portion thereof and having its rear portion



formed with longitudinally spaced notches, a stem depending from the block and passing through the sleeve, the rear arm having a forwardly projecting bill at its lower end for engaging the notches of the sleeve and releasably holding the rod depressed, a strip mounted across the lower portion of the rear arm and constituting a finger engaging member for shifting the rear arm out of engagement with the notches, and a chain secured at its ends to the block and the upper end of the post to limit upward movement of the rod.

2,454,527
COMBINED COMPACT AND FLASHLIGHT
Marc Aurèle Taschereau, Port Alice, British Columbia, Canada
Application May 14, 1947, Serial No. 747,902
1 Claim. (Cl. 240—6.45)



A compact comprising a casing having hinged upper and lower sections, a mirror in the upper section, cosmetic containers in the lower section, an electric battery with an electric lamp and a switch connected in series in said lower section, means to reflect light upwardly and outwardly from said lamp, said lamp being disposed at the end of said lower section remote from the hinge connecting the sections, and said means comprising three obliquely disposed plane reflecting surface members, one on either side of the lamp and one disposed toward said hinge, and a deflector plate on said lower section between said lamp and the hinge to prevent reflection onto said mirror, said plate being slidably mounted for vertical movement when the lower section is in horizontal position, said plate having a layer of deformable material on its upper edge, and said plate being spring biased upwardly and depressible by the upper section when the compact is closed.

2,454,528
CABLE CUTTER
Robert Temple, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del., a corporation of Delaware
Original application February 11, 1944, Serial No. 522,022, now Patent No. 2,411,909, December 3, 1946. Divided and this application September 5, 1946, Serial No. 694,973
8 Claims. (Cl. 164—47)



1. In a cable cutter provided with a barrel and a cable cutting member slidably mounted at the rear end of the barrel, means for supporting an explosive charge behind the cutting member, a firing pin for exploding the charge to drive the cutting member through the barrel, a spring for causing an inertia effect on the pin to throw it forward to said means, a cocking lever extending transversely of the firing pin and operably connected to it, means for pivotally supporting one end of said lever beside said pin, and manually operable means for engaging the opposite end of the cocking lever and swinging it rearwardly to retract the firing pin, whereby upon release of the retracted lever said spring will move the firing pin forward to explode said charge.

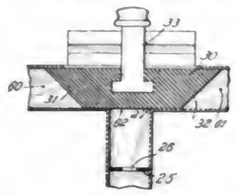
2,454,529
REAR GRIP FOR FISHING ROD HANDLES
Richard A. Thompson and Erik E. Eriksson, Detroit, and Joseph Carlson, Grosse Pointe Farms, Mich.; said Eriksson and said Thompson assignors to Orchard Industries, Inc., Detroit, Mich., a corporation of Michigan; said Joseph Carlson assignor, by decree of court, to Marie E. H. W. Carlson
Application October 17, 1946, Serial No. 703,846
1 Claim. (Cl. 43—23)



A rear grip for a fishing rod handle, comprising a rearwardly projecting shank on the handle, a grip surrounding said shank and comprising two molded plastic tubular members positioned in axial alignment, each of said two members being of progressively increasing internal and external diameters from one end to the other, said two members having their smaller ends pointing toward each other, a third plastic tubular member of substantially cylindrical configuration fitted on said shank intermediate said first two members and of an outside diameter equal to the smaller ends of said two members, means for supporting the small ends of said two members in coaxial relation with respect to said shank, the portion of said shank extending forwardly from adjacent the rear end of the forward member for a major portion of the length of the forward member being of substantially smaller diameter than the portion of the forward member which surrounds the same, a shoulder formed at the forward end of the shank and supporting the forward end of the forward member in coaxial relation with respect to the shank, the portion of said shank extending rearwardly from adjacent the forward end of the rearward member being of substantially smaller diameter than the portion of the rearward tubular member which surrounds the same,

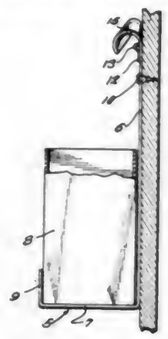
and a member removably fitted on the shank adapted to engage the inner surface of the rear end of the rearward tubular member and support the same in axial alignment with the shank.

2,454,530
PHASE ADJUSTER FOR FIXED-BRANCH WAVE GUIDE
John W. Tiley, Philadelphia, Pa., assignor to Philco Corporation, a corporation of Pennsylvania
Application October 13, 1944, Serial No. 558,494
3 Claims. (Cl. 178—44)



1. In a device of the character described, a hollow main conducting conduit having an input and an output for transmission of high frequency electric energy, a branch conduit coupled to said main conduit for diverting at least part of the electric energy transmitted, a solid dielectric member extending along said main conduit and filling substantially the entire cross-section thereof, said solid dielectric member being disposed in said main conduit at the junction with said branch conduit, said solid dielectric member having a length of at least a substantial portion of one wave length and means for adjusting said solid dielectric member along said main conduit to vary its position with respect to the branch conduit whereby the phase of the electric field diverted into said branch conduit may be varied while maintaining the over-all phase relationship between input and output constant.

2,454,531
BOTTLE CAP REMOVER
Ralph Van Trine, Durham, N. C., assignor of thirty per cent to Leona T. Van Trine and thirty per cent to Marion Van Trine Davis, both of Durham, N. C.
Application March 1, 1946, Serial No. 651,052
4 Claims. (Cl. 81—3.46)



4. A bottle cap remover embodying a plate, the central portion of the upper edge portion of said plate being struck out to provide a clearance notch and tongue, said tongue being bent laterally and outwardly and then down-bent with its free end portion in contact with the adjacent body portion of the plate, thus providing a fulcrum, the upper edge portions of the plate on opposite sides of said notch and fulcrumming tongue bent bent upon themselves and rolled to form hook-like cap removers, the adjacent inner ends of said removers being in close proximity and in opposed registery with said notch, and said removers being of inwardly tapered formation with the tapers of the respective removers converging, said plate being substantially flat and rectangular in form.

2,454,532
PROCESS FOR DEFIBERING LIGNOCELLULOSE WHILE SUBJECTED TO STEAM AND A DIGESTIVE CHEMICAL
Henry E. Walter, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,239
9 Claims. (Cl. 92—6)

1. The method of treating lignocellulose which comprises heating lignocellulose in the absence of suspending liquid and in an atmosphere of steam at an elevated temperature above 212° F. at which the lignacellulose is rendered plastic, and simultaneously defibering the plastic lignocellulose and incorporating substantially uniformly throughout the lignocellulose chemical reagent reactive therewith, whereby to produce chemically treated fibers without substantial loss of constituents of the original lignocellulose.

2,454,533
MANUFACTURE OF FIBROUS PRODUCTS DERIVING FROM LIGNOCELLULOSE
Henry E. Walter, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,238
22 Claims. (Cl. 92—6)

1. The method of treating lignocellulose which comprises heating lignocellulose in the absence of suspending liquid and in an atmosphere of steam at an elevated temperature above 212° F. at which the lignocellulose is rendered plastic, and simultaneously defibering the plastic lignocellulose and incorporating substantially uniformly throughout the lignocellulose chemical reagent reactive therewith and containing sulfur dioxide in salt-form, whereby to produce chemically treated fibers without substantial loss of constituents of the original lignocellulose.

2,454,534
PROCESS FOR DEFIBERING LIGNOCELLULOSE WHILE SUBJECTED TO STEAM AND ALKALI-METAL HYDROXIDE
Henry E. Walter, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,240
9 Claims. (Cl. 92—6)

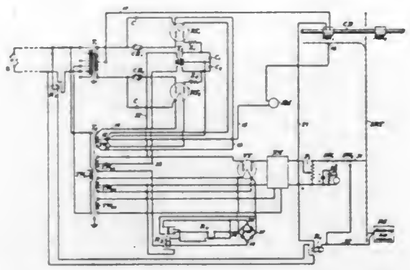
1. The method of treating lignocellulose which comprises heating lignocellulose in the absence of suspending liquid and in an atmosphere of steam at an elevated temperature above 212° F. at which the lignocellulose is rendered plastic, and simultaneously defibering the plastic lignocellulose and incorporating alkali-metal hydroxide substantially uniformly throughout the lignocellulose, whereby to produce chemically treated fibers without substantial loss of constituents of the original lignocellulose.

2,454,535
BREAST SHIELD
Mary W. Warner, Fairfield, Conn.
Application June 28, 1947, Serial No. 757,737
7 Claims. (Cl. 2—267)



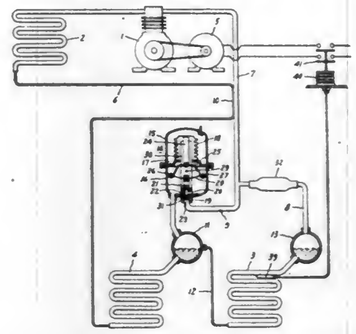
1. As a new article of manufacture, a breast shield having a size and conical shape such that it will fit and may be placed in position between a breast and the pointed cup of a brassière while the latter is being worn, to be wholly contained in said cup, said shield comprising an outer substantially stiff, cone-shaped sheet disposed for engagement with the brassière and adapted to shape the latter; and a soft relatively thick cushion located inside and against said cone-shaped sheet for engagement with the breast and having a recess to receive the nipple of the breast, said cushion having a soft forward wall portion at the bottom of the recess to prevent the nipple from touching the said cone-shaped sheet.

2,454,536
CONTROL APPARATUS FOR FORCED DRAINAGE
Daniel Ralph Werner, Omaha, Nebr., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 11, 1944, Serial No. 535,187
4 Claims. (Cl. 171—316)



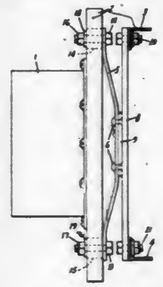
4. Apparatus for preventing corrosion of an underground cable sheath which is exposed to currents from a grounded power circuit, comprising a rectifier, a circuit including said rectifier for transmitting rectified current through the ground over a path between said power circuit and said cable sheath, means for regulating the magnitude of the rectified current in accordance with the changes in voltage between said cable sheath and said power circuit, and means for interrupting said rectified current when the potential of said cable sheath becomes negative with respect to said grounded power circuit.

2,454,537
TWO-TEMPERATURE REFRIGERATING SYSTEM
Leonard W. Atchison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 5, 1947, Serial No. 745,940
4 Claims. (Cl. 62—3)



1. In a refrigerating system, a plurality of evaporators adapted to operate at different temperatures, means for supplying refrigerant to said evaporators, means for withdrawing refrigerant from said evaporators, means responsive to the pressure in one of said evaporators for controlling the flow of vaporized refrigerant from said one of said evaporators to said withdrawing means, and means for controlling the flow of vaporized refrigerant from the other of said evaporators to said withdrawing means, said last-named means being effective on the blocking of flow of vaporized refrigerant from said one of said evaporators to provide for flow of vaporized refrigerant from said other of said evaporators.

2,454,538
SHOCKPROOF SUPPORT
Carl E. Bazley, Schenectady, and Charles Bangert, Jr., Ballston Spa, N. Y., assignors to General Electric Company, a corporation of New York
Application July 17, 1944, Serial No. 545,274
3 Claims. (Cl. 248—20)



1. A shockmount for preventing damage from high impact shock comprising a supporting mem-

ber subject to vibration under shock, a supported member, an elongated normally rigid connecting bar having a first portion rigidly secured to one of said members, said bar being formed of material incapable of withstanding said high impact shock without exceeding its elastic limit, and clamping means securing a second portion of said bar tightly in flatwise sliding engagement with the other of said members, whereby said bar provides dissipation of shock energy in sliding friction between said second portion and said other member and in heat generated by repeated oscillatory deformation of said bar beyond its elastic limit.

2,454,539

METHOD OF PREPARING RESINOUS LINEAR POLYESTERS IN CRUMBLIKE FORM

Ellington M. Beavers, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application November 23, 1945, Serial No. 630,560

8 Claims. (Cl. 260—75)

1. A process of preparing millable, moldable, crumblike, curable thermoplastic material which comprises simultaneously mechanically working in a power mixer of the kneading type and heating, at 50° C. to 150° C. until a crumb is formed, a mixture of a peroxidic curing catalyst and a linear, unsaturated, thermoplastic non-crystalline polyester of molecular weight of 5000 to 50,000, said ester being the product of condensing by heating together a saturated unsubstituted glycol, a saturated unsubstituted dicarboxylic acid containing a minimum of four carbon atoms, and an unsubstituted α,β-unsaturated dicarboxylic acid, said unsaturated acid being present in an amount from 1% to 20% of the total acids on a molar basis, one of said glycol and said saturated acid containing a branched chain, and said peroxidic curing catalyst being present in an amount from 0.055% to 0.0025%, based on said polyester, and being inversely proportional to the percentage of said unsaturated acid used.

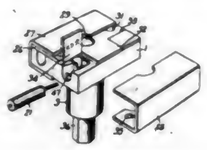
2,454,540

ELECTRIC SWITCH

George B. Benander, Oaklawn, R. I., assignor to Monowatt Incorporated, a corporation of Connecticut

Application May 7, 1946, Serial No. 667,818

10 Claims. (Cl. 200—168)



1. A switch or the like comprising a base having a cavity, stationary contacts positioned in the cavity having conductor connecting portions, a cover plate for the cavity having door means positioned to give access to said conductor connecting portions, and a plurality of separately removable clamp means for holding the cover plate on the base and said door means closed, said clamp means having grips sufficient that when one clamp means is removed to give access to contacts for wiring the switch, other of said clamp means will hold the cover plate in position on the base.

2,454,541

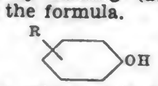
POLYMERIC DETERGENTS

Louis H. Bock, Huntingdon Valley, and James L. Rainey, Abington, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application September 9, 1944, Serial No. 553,476

6 Claims. (Cl. 260—53)

1. Water-soluble, ploymeric detergents formed by condensing by heating (*a*) one mol of a phenol having the formula.



in which R is a saturated hydrocarbon substituent containing eight to eighteen carbon atoms, and (*b*) from 0.5 to 1.0 mol of formaldehyde, and then reacting therewith (c) from eight to sixty mols of an alkylene oxide from the class consisting of ethylene oxide, propylene oxide, and butylene oxide.

2,454,542

POLYMERIC DETERGENTS

Louis H. Bock, Huntingdon Valley, and James L. Rainey, Abington, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application September 9, 1944, Serial No. 553,477

6 Claims. (Cl. 260—49)

1. Water-soluble polymeric detergents formed by condensing by heating (*a*) one mole of a phenol from the class consisting of ortho-substituted and para-substituted phenols, said phenol having the formula



in which R′ is a saturated hydrocarbon substituent containing eight to eighteen carbon atoms and (*b*) from 0.5 to 1.0 mole of formaldehyde, then reacting therewith (c) from one to twenty-one moles of an alkylene oxide from the class consisting of ethylene oxide, propylene oxide, and butylene oxide, then (*d*) esterifying the resultant alcohol with one mole of a polybasic acid from the class consisting of sulfuric and phosphoric acids, and finally (*e*) neutralizing the product of esterification to form therefrom a salt of a metal from the class consisting of alkali and alkaline earth metals.

2,454,543

POLYMERIC DETERGENTS

Louis H. Bock, Huntingdon Valley, and James L. Rainey, Abington, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application September 9, 1944, Serial No. 553,478

10 Claims. (Cl. 260—49)

1. A modified phenol-formaldehyde condensation product having detergent properties wherein the phenol-formaldehyde condensate is an oily to brittle resinous condensation product of from 0.5 to 1.0 mol of formaldehyde and one mol of a phenol from the class consisting of ortho-substituted and para-substituted phenols, said phenol having the formula



in which R′ is a saturated hydrocarbon substitu-

ent containing four to eighteen carbon atoms, and wherein the modification of said condensation product consists of the group

$$-(RO)_y-R-SO_3M$$

replacing the original phenolic hydrogen atoms and being attached to each phenol nucleus in said condensate through the phenolic oxygen atom thereof, wherein R in both occurrences is the same saturated alkylene group containing two to four carbon atoms, y has a value of 0 to 19 inclusive, and M is a metal from the class consisting of alkali and alkaline earth metals.

2,454,544

POLYMERIC DETERGENTS COMPRISING WATER-SOLUBLE SALTS OF THE HALF-ESTERS OF DICARBOXYLIC ACIDS AND THE FORMALDEHYDE CONDENSATES OF HYDROCARBON-SUBSTITUTED PHENOXY-POLYALKOXY ALKANOLS

Louis H. Bock, Huntingdon Valley, and James L. Rainey, Abington, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application September 9, 1944, Serial No. 553,479

5 Claims. (Cl. 260—53)

1. A modified phenol-formaldehyde condensation product having detergent properties wherein the phenol-formaldehyde condensate is an oily to brittle resinous condensation product of from 0.5 to 1.0 mole of formaldehyde and one mole of a phenol from the class consisting of ortho-substituted and para-substituted phenols, said phenol having the formula



in which R′ is a saturated hydrocarbon substituent containing eight to eighteen carbon atoms and wherein the modification of said condensation product consists of the group

$$-(RO)_y-R-OCO-R''-(COOM)_z$$

replacing the original phenolic hydrogen atoms and being attached to each phenol nucleus in said condensate through the phenolic oxygen atom thereof, wherein R in both occurrences is the same saturated alkylene group containing two to four carbon atoms, R″ is a saturated hydrocarbon radical, containing one to seven carbon atoms, from the class consisting of alkylene and arylene radicals, *y* has a value of 0 to 20, M is a metal from the class consisting of alkali and alkaline earth metals, and *z* has a value of 1 to 2.

2,454,545

HYDROCARBON-SUBSTITUTED PHENOL-FORMALDEHYDE CONDENSATES MODIFIED IN THE PHENOLIC HYDROXYL

Louis H. Bock, Huntingdon Valley, and James L. Rainey, Abington, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application September 9, 1944, Serial No. 553,480

9 Claims. (Cl. 260—53)

1. A modified phenol-formaldehyde condensation product having surface-active properties wherein the phenol-formaldehyde condensate is a condensation product of from 0.5 to 1.0 mol of formaldehyde and one mol of a phenol from the class consisting of ortho-substituted and para-substituted phenols, said phenol having the formula

in which R′ is a saturated hydrocarbon substituent containing four to eighteen carbon atoms and being attached to each phenol nucleus in said condensate through the phenolic oxygen atom thereof, wherein R in both occurrences is the same saturated alkylene group containing two to four carbon atoms, *y* has a value of 0 to 20 inclusive, and M is a metal from the class consisting of alkali and alkaline earth metals.

2,454,546

SURFACE-ACTIVE LINEAR POLYESTERS

Louis H. Bock, Huntingdon Valley, and James L. Rainey, Abington, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application June 15, 1945, Serial No. 599,750

5 Claims. (Cl. 260—75)

1. The process of preparing linear, water-soluble, polymeric, surface-active polyesters which comprises preparing a resinous linear polyester by esterifying an alkane-diol containing six to eighteen carbon atoms and an equivalent amount of maleic acid at a temperature between about 150° and 200° C. and thereafter reacting by heating said linear polyester with a water-soluble bisulfite in the ratio of 0.5 to 1 mol of said sulfite per mol of esterified maleic acid at the double bond of the maleic acid.

2,454,547

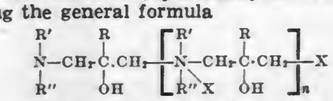
POLYMERIC QUATERNARY AMMONIUM SALTS

Louis H. Bock, Huntingdon Valley, Pa., and Alva L. Houk, San Luis Obispo, Calif., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application October 15, 1946, Serial No. 703,290

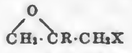
6 Claims. (Cl. 260—567.6)

1. A surface-active quaternary ammonium salt having the general formula



in which *n* is an integer which has a value of three to eleven, R in both occurrences is the same member of the class consisting of hydrogen and methyl groups, R′ in both occurrences is the same alkyl group from the class consisting of methyl and ethyl groups, R″ contains eight to eighteen carbon atoms and in both occurrences is the same hydrocarbon group from the class consisting of alkyl groups and aralkyl groups, and X is a member of the group consisting of chlorine and bromine.

5. A process for preparing surface-active quaternary ammonium salts which comprises reacting at a temperature from 90° C. to 150° C. equimolar amounts of an epihalohydrin of the general formula



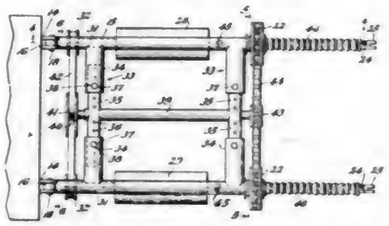
in which R is a member of the class consisting

of hydrogen and methyl groups and X is a member of the group consisting of chlorine and bromine, and a secondary amine having the general formula



in which R′ is a member of the group consisting of methyl and ethyl groups and R″ contains eight to eighteen carbon atoms and is a hydrocarbon group from the class consisting of alkyl groups and aralkyl groups, and continuing the heating to form said quaternary ammonium salt containing an average of four to twelve combined molecules of both the epihalohydrin and the amine as evidenced by molecular weight determinations.

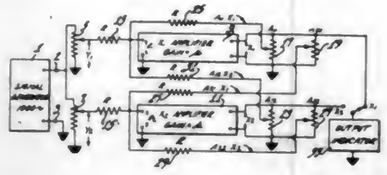
2,454,548
LIFTING DEVICE
Edward J. Brinkert, Hartley, Iowa
Application July 5, 1947, Serial No. 759,136
4 Claims. (Cl. 74—424.8)



1. In combination with a device having a front wall and having a member pivoted to said front wall and extending outward therefrom, a pair of spaced parallel tubular housings, cross-members mounted between said housings, pivotal means securing one end of each of said housings to said front wall below the pivotal mounting of said member, the other ends of said housings having sprockets rotatably mounted thereon, a third shaft rotatably mounted in said cross-members parallel with said housings and having a sprocket on one end in the same plane as said first-named sprockets, an electric motor secured to each of said housings, said motor on one of said housings being adapted to be energized to rotate in one direction and said motor on the other of said housings being adapted to be energized to rotate in the opposite direction, said motors having shafts extending parallel with said housings, said motor shafts having pulleys thereon, said third shaft having a pulley thereon lying in the same plane as said motor shaft pulleys, a belt trained about said three pulleys, a sprocket chain trained about said three sprockets, collars on said sprockets extending beyond the free ends of said housings, said collars being internally threaded and having worms extending threadably therethrough into said housings, the free ends of said worms which extend out of said housings being pivotally mounted on said pivoted member.

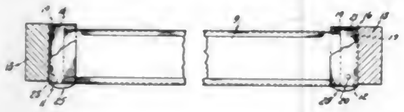
2,454,549
ELECTRONIC EQUATION SOLVER
George W. Brown, Cranbury, and Edwin A. Goldberg, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 16, 1946, Serial No. 690,865
3 Claims. (Cl. 235—61)

1. A simultaneous equation solver including means providing a first group of constant frequency voltages each of which has an amplitude proportional to the value of the constant term of a different one of said equations and has a phase of 0 or 180 electrical degrees depending on the sign of said value, separate amplifiers each having applied to its input circuit a different one of the voltages of said first group, a matrix connected to the output circuits of said amplifiers for providing other voltages representative of the product of each coefficient and its associated unknown in said equations, means connected be-



tween said matrix and the inputs of said amplifiers for combining with each constant term representing voltage the ones of said other voltages which represent the product of each coefficient and its associate unknown in the equation containing that constant, and filter means interconnected with each of said amplifiers to maintain the phase of the input voltage of said amplifiers at 0 or 180 electrical degrees for said constant frequency and within a phase margin of ±90 electrical degrees for other frequencies at which the gain of said amplifier is greater than unity.

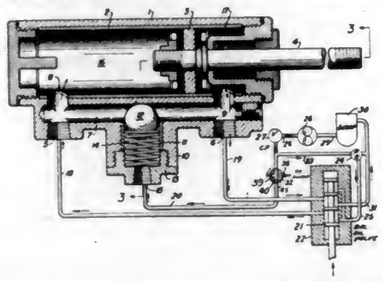
2,454,550
VENETIAN BLIND HEAD BOX
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y.
Application August 13, 1945, Serial No. 610,552
3 Claims. (Cl. 248—264)



1. In a Venetian blind including a substantially U-shaped headbox, spaced-apart supporting brackets on which said headbox is mounted, a plurality of horizontally spaced, projecting ribs provided on the back wall of one of said brackets and projecting inwardly towards the headbox, and a turned, laterally projecting lip on the back wall of said headbox and engageable between certain of said ribs for securing the headbox against longitudinal movement on said brackets.

2,454,551
SERVO UNIT
Bert G. Carlson, Gates Mills, Ohio, assignor to William R. Jack, Cleveland, Ohio
Application March 2, 1945, Serial No. 580,608
4 Claims. (Cl. 121—38)

1. In a servomotor unit, a power cylinder and a piston reciprocally mounted therein, a source of hydraulic pressure with leads to said unit and through cylinder ports to cylinder chambers on either side of said piston, a by-pass between said pressure leads, an intermediate lead in said unit from said hydraulic pressure source, a ball valve slidably mounted in said lead and extending into said by-pass in a fluid tight relationship with said by-pass, said intermediate lead being of greater cross-sectional area than that of said by-pass to permit the exertion of a relatively greater over-



all hydraulic pressure to maintain said ball valve closed, said ball valve being adapted to be opened upon the existence of an abnormal pressure in said by-pass in excess of that in said intermediate lead.

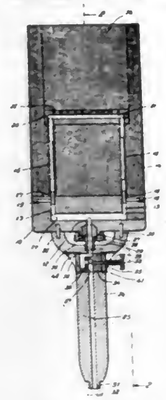
2,454,552
TEMPERATURE RESPONSIVE DEVICE
Richard W. Cobean, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 8, 1944, Serial No. 530,209
2 Claims. (Cl. 297—16)



1. In a temperature responsive device, a bimetallic strip thermostat wound substantially edgewise into a helix with said strip extending radially at an angle with the axis of said helix of greater than 45 degrees but at least a few degrees less than 90 degrees so that said strip twists in response to changes in temperature and thereby coils and uncoils in accordance with a nonlinear function of such changes in temperature.

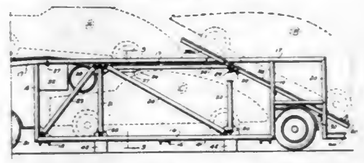
2,454,553
BRUSH
Robert S. Eisner, Red Bank, N. J., and Daniel Schoenholz, New York, N. Y.; said Schoenholz assignor to said Eisner
Application May 31, 1947, Serial No. 751,538
8 Claims. (Cl. 15—128)

1. In a fountain, liquid-applying brush, the combination of a base, a body of bristles mounted at one end on the base and having the bristles thereof extending from the base in a generally parallel group, a passage through the base through which liquid may pass, said passage having an outlet within the body of bristles, an elongated chamber within said body of bristles, said chamber extending transversely of said body of bristles inwardly of the free end thereof, the chamber having a plurality of outlets in the wall thereof toward the outer ends of said body of bristles, a relatively wide, thin body of bristles mounted at one end on the chamber about the outlets therefrom, the bristles of said thin body of bristles extending parallel to and substantially to the free ends of the bristles mounted on the base, the two bodies of bristles together constituting the liquid-applying means of the brush, and flexible conduit means connecting the outlet from the passage in the base to the chamber, whereby liquid passed through the passage in the base



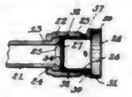
will be conducted by said flexible conduit means to the chamber and pass outwardly therefrom into the body of bristles mounted on the chamber and toward the free ends of both bodies of bristles.

2,454,554
AUTOMOBILE TRANSPORTING TRUCK
Edward V. Garnett, Denver, Colo.
Application July 27, 1946, Serial No. 686,749
2 Claims. (Cl. 296—1)



1. An automobile transporting truck comprising: a chassis; front wheels supporting the front end of said chassis; rear wheels supporting the rear end of said chassis; a first automobile-supporting track extending substantially horizontally between said front and back wheels to carry a first automobile; a second automobile-supporting track positioned above said first track to carry a second automobile above the first automobile, said second track extending substantially horizontally from a position over said front wheels and forwardly of the forward extremity of said first track and terminating at its rear extremity forward of the rear extremity of said first track; a third automobile-supporting track extending rearwardly and downwardly, from a position in the plane of, and rearward of, said second automobile-supporting track, to a point behind said rear wheels and below the plane of the tops of said wheels; a movable track portion; means for securing said latter portion between the rear extremity of the second automobile supporting track and the forward extremity of the third automobile supporting track to form one continuous track for loading purposes; and means for supporting said movable track portion in alignment with and in front of said third automobile supporting track to carry the forward portion of a third automobile above the rearward portion of the second automobile when travelling.

2,454,555
COMBINATION CAP AND PLUG
Harold P. Henderson and Philip Kaplan, Buffalo, N. Y., assignors to Clover Industries Inc., Buffalo, N. Y., a corporation of New York
Application August 30, 1944, Serial No. 551,914
2 Claims. (Cl. 138—89)



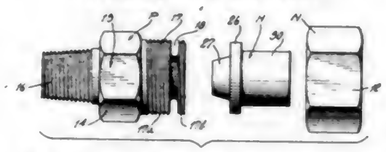
1. A closure constructed of sheet metal formed into a cylindrical shell closed at one end and open at its other end and being diametrically-enlarged at its open end to internally enlarge the shell and provide a gripping flange and a shoulder connecting the parts of the shell of different diametrical dimensions, said shell having external means to engage and lock the same in an opening, and a gasket bearing against said shoulder and adapted to engage an object having an opening therein so as to seal the opening when said shell is locked therein.

2,454,556
DISK HANDLING APPARATUS
Franklin G. Hirst, Philadelphia, Pa.
Application December 28, 1946, Serial No. 718,965
10 Claims. (Cl. 271—1)



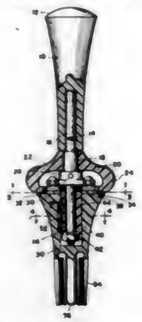
1. Disk handling apparatus useful in connection with printing means or the like, comprising an element with upstanding impaling stud projections for supporting multiple piles of apertured disks or the like of thin sheet material in definitely spaced relation; a primary transfer element with holes to clear the studs of the supporting element, operative at each actuation when applied from above to remove the topmost disks from the piles and deposit them likewise in definitely spaced relation upon a printing platen to receive an imprint upon their upper faces; and a secondary transfer element operative at each actuation to remove the disks from the printing platen in definite separation as before and to deposit them in the same relation upon a surface for drying without incidentally contacting the wet printed surfaces of said disks.

2,454,557
NO-TWIST SELF-LOCKING COUPLING
Franz Jacobson, New York, N. Y.
Application January 12, 1944, Serial No. 517,954
8 Claims. (Cl. 285—122)



1. In a device of the character described, a first connector member, a second connector member and a nut for securing said members together, means on each connector member for attaching it to piping, interengaging means on the said two connector members for preventing rotation of one with respect to the other while said nut is tightened to secure the connectors together, and deformable means on one of said connectors adapted to be deformed in the axial direction of the connectors by the tightening of said nut member into its tightened condition, and means to effect such deformation whereby to effect locking of said nut member in said tightened condition.

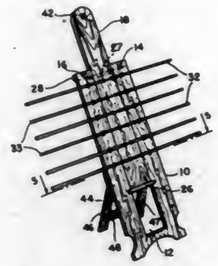
2,454,558
TIGHT CURL FORMING DEVICE
Ben Kleinsmith, Seattle, Wash.
Application September 13, 1947, Serial No. 773,786
4 Claims. (Cl. 132—34)



1. A hair-curling device, consisting of: a central handle adapted to seat in the palm of the hand and having a reducing diameter from the point of contact to the end of said handle; a shaft co-axial with said handle and fixedly secured thereto; an enlarged journal on said shaft; an internal gear member disposed for free rotation upon said journal, said internal gear having a top surface which is knurled and sloped downwardly from the top of said gear member to a point near its periphery where a gradual curve joins the sloping sides with the bottom of the gear; a planet gear spider secured to said shaft; a planet gear secured to said spider and revolvably mounted thereon; a central pinion disposed upon said shaft in co-axial relationship and free to revolve upon said shaft; restraining and positioning means for said pinion; said pinion having below its gear teeth a cylindrical bearing portion; a keyway formed within said cylindrical portion; a circular comb formed with its teeth in parallel relationship with the axis of said shaft and having an upper portion with a central counterbore adapted to seat upon the cylindrical portion of said pinion; a resilient securing and keying device formed as part of said upward extension of said comb; and an axially positioned stop member disposed within the circle of said teeth and having substantially the same downward extent as said teeth.

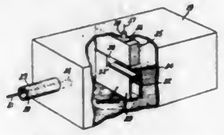
2,454,559
PORTABLE DRYING RACK
Henry F. Kuehn, Seattle, Wash.
Application July 1, 1947, Serial No. 758,445
4 Claims. (Cl. 211—178)

2. A portable drying rack, comprising: a main frame having connected parallel side members; a slidable tongue disposed for limited reciprocation between said side members; guide means adapted to position said tongue between said side members; pairs of oppositely positioned hanger rods; pivot means adapted to pivotably secure the inner ends of said rods to said slidable tongue; pairs of transversely disposed pivot members pivotably secured to said side members and adapted



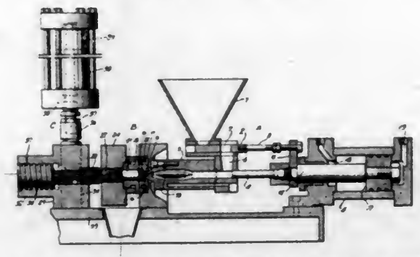
to slidably engage said hanger bars and means for supporting said rack in a substantially vertical position.

2,454,560
ULTRA HIGH FREQUENCY ELECTRIC DISCHARGE DEVICE
James M. Lafferty, Colonie, N. Y., assignor to General Electric Company, a corporation of New York
Application October 2, 1942, Serial No. 460,523
52 Claims. (Cl. 315—6)



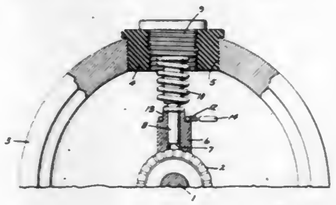
9. A cavity resonator, energizing means coupled to said cavity resonator for establishing electromagnetic waves therein, a second resonator within said cavity resonator for effecting a concentration of the electric field incident to said waves, and electric discharge means within said cavity resonator coupled to said second resonator.

2,454,561
MOLDING MACHINE
William M. Lester, Mountainside, N. J.
Application February 21, 1945, Serial No. 579,041
2 Claims. (Cl. 18—30)



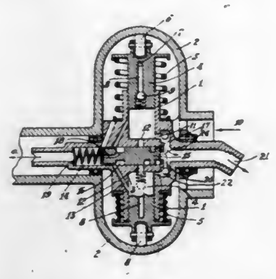
1. In a machine of the kind described, the combination comprising a stationary die having a mold cavity therein and a sprue opening to the cavity for the injection of thermo-plastic material into the mold cavity, a movable die movable into contact with and away from the stationary die, a rotatably and longitudinally mounted core movable into and out of the mold cavity and having a thread on the portion thereof which extends into the mold cavity, said core including a rod extending through said movable die and having a thread adjacent the end thereof, a stationary element having an internal thread therein in engagement with the thread adjacent the end of the rod, means for rotating the rod, and cooperating threads on the rod and movable die for effecting movement of the movable die upon rotation of the rod, the threads on the stationary element, core rod and movable die being related to the thread of the core to effect a withdrawal of the molded article from the mold cavity upon movement of the movable die and to retain the molded article in contact with the movable die during the withdrawal of the core therefrom.

2,454,562
CURRENT COLLECTOR BRUSH MECHANISM
Ernest A. Linke, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application October 17, 1946, Serial No. 703,873
13 Claims. (Cl. 171—323)



2. A current collector brush mechanism for use with a rotable current collector, said brush mechanism comprising a stationary guide member of electrically conductive material, a brush of electrically conductive material with an opening therein forming a sliding fit around said guide member, and spring means engaging the end of said brush away from said rotatable current collector for resiliently biasing said brush toward the rotatable current collector for electrical contact therewith.

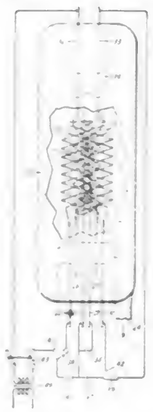
2,454,563
PUMP OUTPUT REGULATOR
Jean Mercier, New York, N. Y.
Application June 18, 1943, Serial No. 491,279
7 Claims. (Cl. 103—42)



1. A pump which comprises a pump casing, a plurality of cylinders inside said casing, a check valve ported piston associated with each said cylinder, means to cause said pistons to recipro-

cate in sequence within said cylinders without themselves rotating, means to admit fluid through the center of said pistons to said cylinders, a collecting chamber communicating with all said cylinders and with a principal delivery port within said casing, means to conduct fluid delivered by said cylinders into said chamber, fluid receiving means within said casing, valve means within said chamber responsive to the fluid pressure within said principal delivery port, said valve means being adapted to divert fluid from said chamber into said receiving means whenever the pressure in said principal delivery port exceeds a predetermined value.

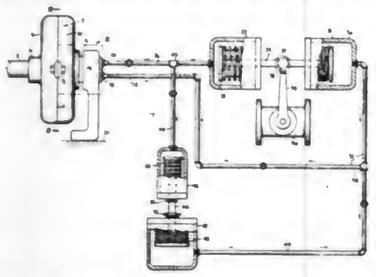
2,454,564
IONIZATION-TYPE VACUUM GAUGE
Richard B. Nelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 8, 1947, Serial No. 740,201
12 Claims. (Cl. 315—369)



1. An electrical discharge device for use in determining a property of a gas by establishing ionization currents therein comprising, an envelope having an orifice through which a sample of a gas to be examined is introduced, a plurality of electrodes in said envelope including a cathode, a pair of anodes spaced at different distances from said cathode, an ion-collector electrode between said anodes, and lead-in conductors connected to said electrodes for imposing with respect to said cathode a positive potental on said anodes and a relatively negative potential on said collector electrode.

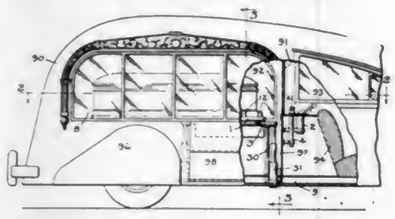
2,454,565
GOVERNOR (SPEED RESPONSIVE TYPE)
William W. Peterson, Mankato, Minn.
Application November 13, 1944, Serial No. 563,142
4 Claims. (Cl. 264—19)

1. A speed responsive control device, comprising a means for setting a body of fluid into rotary movement within a confined cylindrical space whereby the action of centrifugal force will result in a variation in pressure in the fluid directly indicative of the speed of rotation, means for tapping off fluid from the body of a variable amount proportional to the pressure, control means operated by the fluid tapped off from the rotating body thereof, and means operated by the pressure of the fluid thus tapped off for replacing fluid in the rotating body of a quantity equal to that



tapped off to maintain a constant volume of fluid in the rotating body thereof.

2,454,566
HEARSE
William H. Pfeiffer, Seattle, Wash.
Application June 11, 1945, Serial No. 598,715
12 Claims. (Cl. 214—83.24)



1. A hearse comprising a bier table, means supporting the same for pivotal movement about a fixed vertical axis from an upraised lengthwise transporting position into an outwardly swung position, and from such upraised to a lowered unloading position, and control means prohibiting lowering movement until completion of the outswinging movement, and reversely, prohibiting inswinging movement until completion of the raising movement.

2,454,567
RADIO SHIELDING SEALING GASKET
Adrian A. Pierson, Jr., Cooperstown, N. Y.
Application August 2, 1944, Serial No. 547,746
1 Claim. (Cl. 174—35)

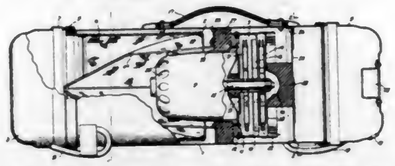


A radio shielding sealing gasket comprising a centrally disposed metal element having portions of substantial area exposed throughout the top and bottom, respectively, of said gasket, a yieldable portion electrically connecting said exposed portions and adapted to give slightly under compressive stress applied to the top and bottom of said gasket, and a resilient, homogeneous substance secured to the opposite sides of said metal element and coextensive therewith adapted to form an air and water tight seal between two spaced elements when said gasket is compressed therebetween.

2,454,568
THIOGLYCOL ESTERS
Maxwell A. Pollack, Denville, N. J., assignor to E. F. Drew & Co. Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 14, 1945, Serial No. 605,199
6 Claims. (Cl. 260—399)

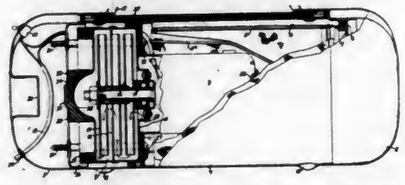
1. An ester of a thioglycol having at least one sulphhydryl group with a higher fatty acid having from 12 to 18 carbon atoms.

2,454,569
MOTOR AND FAN UNIT MOUNTING FOR VACUUM CLEANERS
Paul C. Rector, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application August 14, 1947, Serial No. 768,662
4 Claims. (Cl. 230—117)



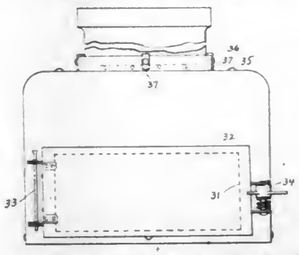
1. In a vacuum cleaner, an outer casing, an inwardly projecting casing flange which divides the casing into a bag chamber and a fan chamber, a motor and fan unit in the casing comprising a motor having a flange and a fan having a casing connected to such flange, said motor flange and fan casing being of less diameter than said outer casing, said unit being positioned in the outer casing in spaced relation to the outer casing wall with the motor projecting beyond said casing flange into the bag chamber, a resilient ring positioned between said flanges engaging the motor casing and the outer casing to position the unit transversely in the outer casing, a locking flange in the outer casing spaced from the outer end of the fan casing, a locking disk held by said locking flange, and a resilient member held under compression between the end of fan casing and said locking disk for positioning the unit axially between said casing flange and said locking flange.

2,454,570
MOTOR AND FAN UNIT MOUNTING FOR VACUUM CLEANERS
Paul C. Rector, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application August 14, 1947, Serial No. 768,663
5 Claims. (Cl. 230—117)



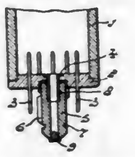
1. In a vacuum cleaner, an outer casing, an end cap having a cross piece, an inwardly projecting flange in the casing spaced from the end of the outer casing on which the end cap fits, a motor and fan unit in the outer casing of less diameter than said outer casing, said unit being positioned in the outer casing in spaced relation to the outer casing wall, a resilient member positioned between said flange and a wall of said unit, a resilient member positioned between said cross piece and a wall of said unit opposite to said first referred to unit wall, and bolts which connect the flange and end cap together to hold the end cap on the casing and the unit in the casing compressed between said resilient members.

2,454,571
CULINARY OVEN WITH HEAT DIVERTING MEANS
Palmer W. Rom, Cudahy, Wis.
Application September 3, 1946, Serial No. 694,449
5 Claims. (Cl. 126—275)



1. An oven having a base provided with a large central burner opening and a plurality of peripherally disposed openings radially of the burner opening, a hood above said base including an inner heat insulated metal wall having a top deflector wall portion forming an opening adapted to be closed, a baffle mounted in said hood below said deflector wall portion having a central opening and side openings adjacent the wall, said side openings in said baffle and said peripheral openings in said base permitting gases passing upwardly through said central openings to pass downwardly along the inner wall of said hood.

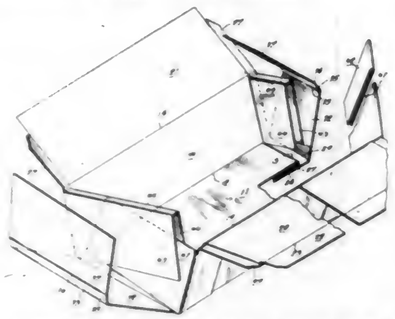
2,454,572
ELECTRIC DISCHARGE TUBE
Wilhelmus Antonius Roovers, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application November 22, 1946, Serial No. 711,657
In the Netherlands October 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 12, 1965
4 Claims. (Cl. 250—27.5)



1. An electric discharge tube base assembly comprising a glass base portion provided with a central aperture, an envelope portion hermetically sealed to the periphery of said base portion, a plurality of electric contact pin members concentric to said aperture and extending from the inner and outer sides of said base portion, and a metal member centrally positioned with respect to said contact pins and having a given portion thereof hermetically sealed to said base portion and an end portion thereof integrally united to said given portion and extending beyond the outer end of said contact pin members, said metal member being provided with a central bore

coincident to the aperture of said base portion and open to the inner side of said base portion, and the end portion of said metal member comprising a longitudinally extending location lug member on the peripheral surface thereof and means to hermetically seal said central bore.

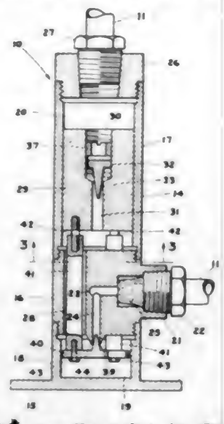
2,454,573
FOLDING BOX
Joseph Scher, New York, N. Y.
Application August 3, 1945, Serial No. 608,729
1 Claim. (Cl. 229—34)



A folding box including a base, inner and outer end walls, intermediate end walls, side walls, upper walls forming closure flaps, and integrally-formed reinforcing bands extending around the box at each end thereof, the box being formed from a single blank of sheet material having a plurality of intersecting fold lines defining such base and walls, the inner and outer end walls being disposed longitudinally of the base, the intermediate end walls being disposed longitudinally of the side walls, and the remaining walls being disposed laterally thereof and being defined at opposite ends thereof by a pair of spaced, transverse fold lines, each reinforcing band comprising a pair of adjacent strips of unequal width separated by a fold line and lying transversely of the blank between one of said transverse fold lines and adjacent the end wall portions the outer strip of each pair being wider than the inner strip, which strips are folded back in overlapping relation on the outer surface of the box, and forming an external fold line extending around the box at a point spaced from the end thereof, and an internal fold line extending around the box between the external fold line and such end, the internal fold line providing an internal abutment which is engaged by the inner end wall for retaining the latter in position.

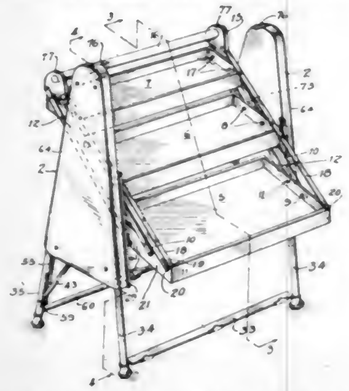
2,454,574
FLOW REGULATOR
David P. Shoemaker, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application March 26, 1946, Serial No. 657,179
1 Claim. (Cl. 137—152.5)

A flow regulator adapted to be connected in a fluid line including, a body, a chamber in the lower portion of the body, said body having a port adapted to establish communication between the chamber and the inlet end of a fluid line, a needle valve in the port for controlling flow therethrough, a cylinder in the upper portion of said body and adapted to establish communication between a passage in communication with said chamber and the outlet end of a fluid line, a piston slidably mounted in the cylinder and responsive to the flow thereinto, the piston having a bore permitting flow therethrough, an adjustable needle valve in the bore for controlling flow therethrough, means adjustably mounted in said bore for maintaining



the adjustable needle valve in fixed positions, and adjustable means connecting said piston to the port needle valve whereby the adjustment of the latter is controlled by the position of said piston as varied by the position of said adjustable needle valve.

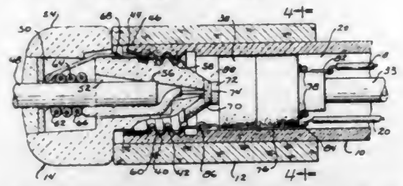
2,454,575
SALESMAN'S FOLDING SAMPLE CASE
Rudolph Arvid Silene, Los Angeles, Calif.
Application March 9, 1944, Serial No. 525,741
4 Claims. (Cl. 190—17)



1. A display device comprising a frame, a series of display shelves, two parallel bars each pivotally mounted at about the same point in its length for substantially parallel movement on said frame, said parallel bars pivotally carrying one of said shelves on their upper, and another on their lower paired ends, a centrally disposed shelf immovably secured to said frame, the movement of said shelf supporting bars to display position oscillating said upper and lower shelves around and into offset positions relative to said fixed shelf, and the reverse movement of said bars carrying said movable shelves to a position within the confines of said frame with the shelves arranged

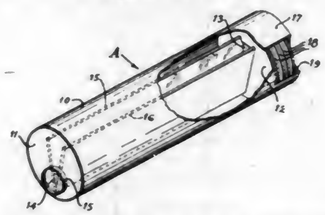
one above the other, a supplementary brace bar pivotally connected at one extremity to the upper portion of a said parallel bar and at the other extremity to said lower shelf to help support a load of heavy material in said lower shelf.

2,454,576
MODELING TOOL
William H. Slack, Houghton, Mich.
Application May 1, 1946, Serial No. 666,234
3 Claims. (Cl. 219—21)



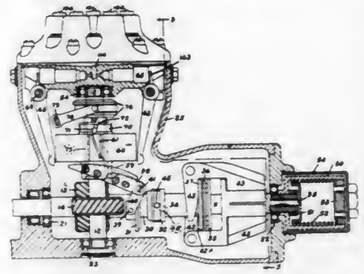
1. A modeling instrument comprising a cylindrical body, a working portion at one end of the body, a modeling tool having its shank extending into the working portion, a heating element in the working portion in heat exchange relation with the shank of the modeling tool, a thermostat in the body adjacent the working portion, an adjusting knob at the end of the body remote from the working portion, a shaft extending from the knob to actuate the thermostat, cooperating indicia lines carried by the knob and body to indicate modeling tool temperatures, and a gripping portion having low heat transmitting characteristics and a high friction gripping surface carried by the body adjacent the working portion.

2,454,577
KALEIDOSCOPE
Desmond E. Smith, Toronto, Ontario, Canada
Application March 15, 1946, Serial No. 654,733
1 Claim. (Cl. 88—15)



In a kaleidoscope of the class described, a body adapted to remain stationary during use, said body having a viewing opening at its forward end and an aligned object opening adjacent its rearward end, inclined reflecting surfaces extending along said body between said aligned openings and adapted to cause multiple reflections of objects beyond the rearward opening when viewed through said aligned openings, whereby to create a symmetrical pattern, said viewing opening being located adjacent the apex of said inclined reflecting surfaces, transparent means rearwardly of said rearward opening carrying pattern pieces and movable relative to the body to display through said rearward opening a part of a pattern, said transparent pattern piece carrying means being exposable to the light to create said reflection in said inclined reflecting surfaces, said body being held stationary and said transparent means being rotatable to create pattern changes, said transparent means comprising discs rotatable relatively to each other and each having an exposed edge engageable by a digit of the hand for frictionally rotating said discs, said reflecting surfaces having an inclined upper edge extending forwardly and downwardly from the top of the rearward opening to the top of the forward opening.

2,454,578
CONTROLLING MECHANISM
Merton J. Smith, Cleveland, Ohio, assignor of twenty-five per cent to Paul B. Shannon, Chicago, Ill., twenty-five per cent to John P. Geiger, Cleveland, Ohio, and twenty-five per cent to Robert W. Wilson, Rocky River, Ohio
Application May 26, 1942, Serial No. 444,605
19 Claims. (Cl. 123—140)



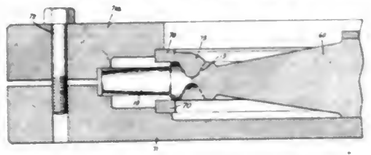
4. In a fuel distributor for an internal combustion engine, a vertical shaft, a cam carried thereby in rotation, a horizontal shaft, and driving connections therefrom to said vertical shaft, said connections comprising mutually-engaging gears on each shaft, and a sleeve on said horizontal shaft by which one of said gears is carried in rotation, a transverse pin passing through said horizontal shaft and having its ends fixed in said sleeve, a transverse opening of substantial axial length through said horizontal shaft through which said pin passes, cam surfaces defining said opening, and having both axial and circumferential components, speed-responsive means effective to move said sleeve along its shaft, and means for driving one of said shafts from the engine.

2,454,579
CARBON BRUSH ELEMENT
Lynn H. Stauffer, Pattersonville, N. Y., assignor to General Electric Company, a corporation of New York
Application August 17, 1946, Serial No. 691,243
3 Claims. (Cl. 171—326)



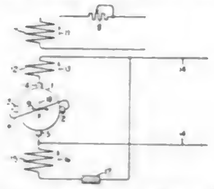
2. A contact brush of carbonaceous material having a portion adapted to be electrically connected to a shunt, a layer of copper adherently deposited on said portion of said brush, and a metallic shunt bonded to said layer of copper on said brush by an alloy of tin and copper characterized by having a melting point substantially in excess of the melting point of tin.

2,454,580
METHOD OF MANUFACTURING BLADED ROTORS
Rudolf H. Thielemann, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 18, 1943, Serial No. 479,549
5 Claims. (Cl. 29—156.8)



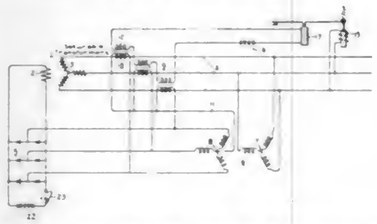
1. The method of manufacturing a bladed rotor having a disk and a circumferential row of buckets which consists in clamping the disk to a base plate, assembling a complete circumferential row of buckets around the rim of the disk with the bucket bases and the disk rim forming continuous annular weld preparation grooves on opposite sides of the buckets and disk and at a common radius from the center of the disk, clamping the buckets rigidly to the base plate in radially and circumferentially fixed relation to said rim by means of an annular dam member engaging the side of the buckets remote from the base plate and in heat transfer relation with the bucket bases and radially beyond the weld preparation groove on said remote side of the disk, adding to said last-named groove fused metal forming a continuous annular weld, releasing the disk and buckets from the base plate and inverting the same and clamping the disk to the base plate in said inverted position with a second dam member engaging the unwelded side of the bucket bases remote from the base plate, adding to the second groove fused metal forming a continuous annular weld, said annular welds securing the bucket bases to each other and to the rim of the disk and to the dam members whereby the dams reinforce the welds during the welding and cooling process, and machining said dam members and excess weld metal to form a desired contour.

2,454,581
DYNAMOELECTRIC MACHINE
Charles A. Thomas, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application September 28, 1946, Serial No. 700,152
10 Claims. (Cl. 322—92)



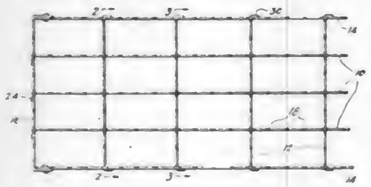
10. A dynamoelectric machine having a rotatable member with a winding and a commutator connected thereto, a set of primary brushes and a set of secondary brushes displaced about said commutator from said primary brushes for providing a primary circuit and a secondary circuit respectively through said rotatable member winding, a field exciting winding arranged to provide a component of excitation along the secondary commutating axis of said machine, means including a second field exciting winding for providing a component of excitation along the secondary commutating axis of said machine for substantially neutralizing the secondary armature reaction of said machine, means including a third field exciting winding for providing a component of excitation to said machine for inducing a cumulative component of voltage to that resulting from said first-mentioned field exciting winding excitation and arranged to be energized in response to the voltage of said secondary circuit, and means including a nonlinear negative voltage-resistance characteristic resistance connected in series with said third field exciting winding for inherently and nonlinearly varying the resistance of the circuit of said third field exciting winding in the same sense as variations in the secondary voltage of said machine, whereby the response and sensitivity of said dynamoelectric machine is increased.

2,454,582
EXCITATION SYSTEM FOR ALTERNATING CURRENT DYNAMOELECTRIC MACHINES
Louis W. Thompson, Schenectady, and Frederick E. Crever, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application August 27, 1946, Serial No. 693,222
11 Claims. (Cl. 322—25)



1. A regulating system for an alternating current dynamo-electric machine comprising, an armature circuit, a field winding, a rectifier for supplying direct current to said field winding, means for supplying alternating current energy from said armature circuit to said rectifier, said means including a current transformer having a direct current saturating winding for supplying alternating current energy to said rectifier proportional to the current of said armature circuit, direct current supply means for said direct current saturating winding, and means responsive to armature circuit voltage for varying said direct current supplied to said saturating winding.

2,454,583
GRATING STRUCTURE
Robert Wisely, Chicago, Ill.
Application June 21, 1945, Serial No. 600,821
3 Claims. (Cl. 189—82)



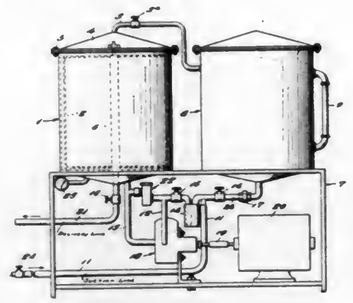
1. A grating structure comprising spaced longitudinal bars and spaced cross bars, said longitudinal bars having spaced notches in their upper edges and spaced apertures below said notches, said cross bars having spaced lateral elongate slots each substantially twice as wide as the thickness of a longitudinal bar through their major lengths, a single longitudinal bounding edge of each of the said slots in each cross bar being provided with a lug extending part way across the slot, to leave an open space in each slot between the straight edge thereof and the end of the facing lug, at least as great as the thickness of a longitudinal bar, the assembled bars being interlocked with the upper extremities of said slots in nested relation with said notches and with said lugs in nested relation with said apertures, all the lugs of a plurality of the assembled cross bars facing in one direction and all the lugs of the remaining cross bars facing in the opposite direction.

2,454,584
HYGROMETER
Placido W. Zingaro, Hartsdale, N. Y., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application October 2, 1944, Serial No. 556,795
11 Claims. (Cl. 201—63)



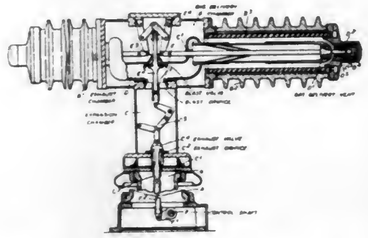
11. In an electrical hygrometer, spaced electrodes, a hygroscopic mixture between said electrodes including a hydroxide of a metal of the group potassium, sodium, lithium, and a coating of platinum black on said electrodes for absorbing gases evolved at the electrodes.

2,454,585
FLUSHING DEVICE FOR ENGINE LUBRICATING SYSTEMS
Elbert N. Alderman, El Dorado, Kans.
Application February 13, 1945, Serial No. 577,682
5 Claims. (Cl. 134—13)



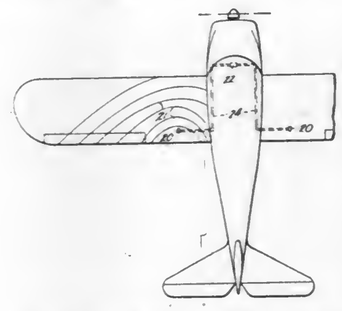
5. A method of cleansing an engine crankcase comprising, supplying cleaning fluid to said crankcase, continuously withdrawing fluid from said crankcase while returning cleansed fluid thereto at a sufficient rate to maintain a constant quantity of fluid in said crankcase, promoting turbulence in said fluid in said crankcase by operating said engine and cleansing said withdrawn fluid preparatory to its return to said crankcase and intermittently releasing entrapped oil from said circulatory cleaning fluid.

2,454,586
GAS-BLAST ELECTRIC CIRCUIT BREAKER
Donald Foster Amer, Newcastle-on-Tyne, England, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application December 6, 1946, Serial No. 714,598
In Great Britain December 18, 1945
20 Claims. (Cl. 200—148)



1. A gas-blast electric circuit-breaker comprising a pressure-gas reservoir communicating with a gas delivery vent, two relatively movable main contacts cooperating at said vent, an exhaust chamber on the outlet side of the vent, said exhaust chamber having an outlet or blast orifice therein, a blast valve controlling the blast orifice, opening of the blast valve thus causing a blast of deionising gas to flow from the reservoir and through the vent into the exhaust chamber, thereby assisting to extinguish an arc initiated between the main contacts, a passage communicating with said exhaust chamber through the blast orifice and having an outlet or exhaust orifice therein, an exhaust valve controlling said exhaust orifice, the blast valve and exhaust valve being thus disposed in tandem, and a single control device whereby the main contacts, blast valve and exhaust valve are sequentially controlled, operation of said control device to open the contacts causing the blast valve to be opened before the exhaust valve is closed, whereas operation of said device to close the contacts causes the exhaust valve to be opened before the blast valve is closed.

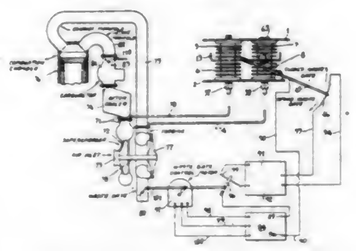
2,454,587
STALL INDICATING WARNING SIGNAL FOR AIRPLANES
Gordon H. Arnold, Flint, Mich.
Application April 12, 1946, Serial No. 661,601
4 Claims. (Cl. 177—311)



1. A warning indicator for airplanes comprising, in combination, an electrical circuit, a warning signal in said circuit, switch mechanism in

said circuit, a detector unit mounted upon the upper trailing surface of a wing of the plane provided with a Venturi passageway extending fore and aft of the plane and disposed above the upper surface of the wing at such a distance as to be outside of the boundary layer of air over the wing during normal flight of the plane but to be within said boundary layer of air when the plane is approaching a stall, pressure responsive mechanism communicating with the restriction through the Venturi passageway to respond to a predetermined variation in the rate of air flow therethrough operable to actuate said switch mechanism.

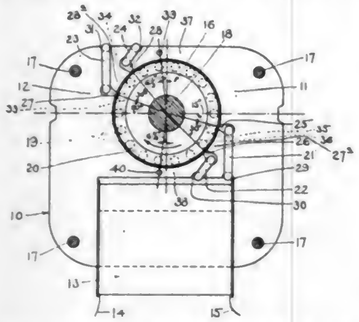
2,454,588
CONTROL APPARATUS
Albert E. Baak, Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 23, 1943, Serial No. 484,226
8 Claims. (Cl. 230—5)



1. A device of the character described, comprising, in combination, a pivotally mounted U-shaped lever, actuating means for moving said U-shaped lever, a pivotally mounted second lever, a connecting pin pivotally mounted between said U-shaped lever and said second lever, biasing means for pivoting said second lever so as to hold said pin in engaging relation with said U-shaped lever and said second lever, whereby upon positioning said U-shaped lever in a predetermined neutral position in relation to said pin said biasing means has no biasing effect upon said U-shaped lever, but when said U-shaped lever is pivotally positioned to either side of said neutral position by said actuating means said pin is positioned in such a manner as to cause said U-shaped lever to be increasingly biased away from said neutral position under force of said biasing means, and means operatively connected to said U-shaped lever and positioned thereby.

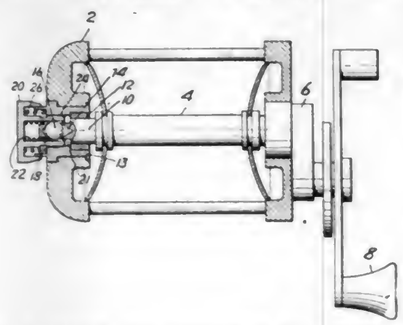
2,454,589
SHADED POLE MOTOR AND THE LIKE
Earle W. Ballentine, Wilmette, Ill., assignor to Russell Electric Company, Chicago, Ill., a corporation of Illinois
Application August 2, 1945, Serial No. 608,419
13 Claims. (Cl. 172—278)

1. A shaded pole single-phase motor of the induction type, having its rotor provided with slots or tunnels even in number and conductors located therein, and having the poles of its stator provided with slots or tunnels for shading coils, and conductors located therein, said stator slots or tunnels in each pole of said stator being separated by the same amount as those of the other poles so as to define in each pole a stator tooth said stator tooth of one pole being asymmetrically disposed relative to the stator tooth of another pole, the spacing between the stator slots in each



pole being different from the spacings of the rotor slots or tunnels.

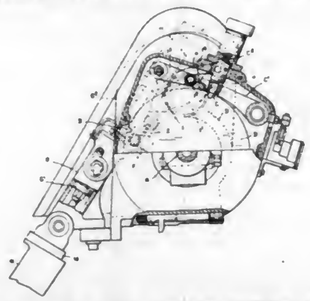
2,454,590
CONTINUOUS SHAFT BRAKE FOR FISHING REELS
Bernard E. Berlinger, Elkins Park, Pa., assignor to Quaker City Gear Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application November 17, 1944, Serial No. 563,832
10 Claims. (Cl. 188—83)



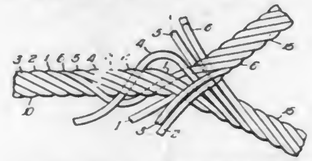
2. A fishing reel comprising a spool shaft, a bearing for each end of said shaft, the shaft at one end having an axially centered conical socket therein, a ball seated in said socket, a member in axial alignment with said ball and said socket and having a conical socket seated on said ball, a spring axially urging said member against said ball, means for adjusting the axial force exerted by said spring, and a second spring maintaining the adjustment of said spring adjusting means.

2,454,591
INDEXING MECHANISM
Samuel G. Brady and John L. King, Royal Oak, Mich., assignors to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application March 5, 1945, Serial No. 581,136
4 Claims. (Cl. 90—57)

1. In an indexing mechanism provided with a hydraulic motor for actuating the same between successive positions in a cycle and a stop for limiting the length of each actuating movement of said motor, a hydraulic motor for moving said stop alternately from one to another of two positions, a valve controlling said last mentioned hydraulic motor and means automatically operated at a predetermined point in said cycle for actuating said valve thereby quickly shifting said stop to change the length of said actuating movement.

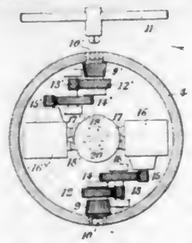


2,454,592
CABLE EYE AND METHOD OF SPLICING THE SAME
Joseph Budzinski, Kenosha, Wis.
Application January 31, 1948, Serial No. 5,651
8 Claims. (Cl. 57—142)



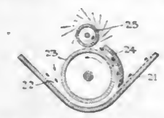
6. In a cable, an eye composed of two component integral bundles, each containing a plurality of strands, said bundles being overlapped on each other and intertwined with each other, the bases of said bundles in conjunction with the body of the cable forming a crotch, a number of strands of one bundle being commingled with a number of strands in the other bundle on each side of the crotch, the commingled group of strands on each side of the crotch being spliced to the strands in the body of the cable.

2,454,593
PNEUMATIC CHUCK
Gabriel Chalicarne, Meudon, France, assignor to Societe Anonyme: Forges & Ateliers De Meudon, Meudon, France
Application August 9, 1945, Serial No. 609,863
In France February 21, 1941.
Section 1, Public Law 690, August 8, 1946
Patent expires February 21, 1961
7 Claims. (Cl. 279—116)



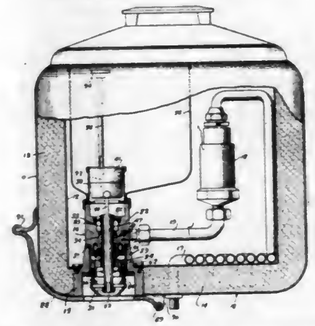
3. In a chuck for machine-tools, the combination of a chuck body, radial guiding grooves formed in said chuck body, jaws housed in said radial grooves, and in the rear face of which teeth are provided, a circular plate concentric with the axis of said chuck body and rotatively mounted within said chuck body, and on one face of which are formed spiral grooves arranged to come in engagement with the teeth of said jaws and on the other face of which are provided peripheral bevel pinion teeth, toothed bevel pinions having radial axes peripherally and rotatively mounted in said chuck body and constantly in mesh with the teeth of said plate, a distinct rotary engine for each of said toothed bevel pinions and a gearing-down device for coupling each engine housed in the chuck body and secured directly thereto to one of said toothed bevel pinions.

2,454,594
METHOD AND APPARATUS FOR SPRAYING
Niels C. Christensen, Salt Lake City, Utah
Application September 17, 1943, Serial No. 502,820
5 Claims. (Cl. 299—63)



5. In an apparatus for spraying liquids, the combination of a cylinder mounted to rotate about its axis, said axis being substantially horizontal, a support having a surface approximately coextensive with the length of the cylinder opposed to the cylinder at the bottom thereof, said surface being parallel with the cylinder, and spaced a short distance therefrom to form throughout substantially the entire length of the cylinder a slender throat, said surface having a supply area in front of the throat arranged to guide liquid sustained thereby to the throat and having, behind the throat, a discharge area so formed that liquid tends to flow over it by gravity out of and away from the throat; means for forming on said supply area a layer of liquid moving towards said throat and of a depth not less than, and not materially more than, the height of the throat, and means for varying the thickness of said layer within said limits.

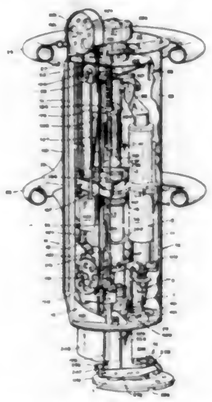
2,454,595
DRINK DISPENSER
William F. Cramer, Jr., Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application March 2, 1945, Serial No. 580,671
11 Claims. (Cl. 225—21)



1. A device for mixing and dispensing two liquids comprising a storage reservoir for one liquid,

a second reservoir below said first reservoir and communicating therewith, a discharge head, an elongated passageway extending from said second reservoir to said discharge head, the capacity of said second reservoir and said elongated passageway together being substantially equal to the amount of the first liquid which is to be mixed with the second liquid, valve means at the lower end of said elongated passageway for controlling the flow of said one liquid to said discharge head, a liquid supply conduit for conducting the second liquid to said discharge head, valve means for controlling the flow of said second liquid to said discharge head, and means for interrupting the flow of said one liquid from said first reservoir to said second reservoir when said first valve means is open.

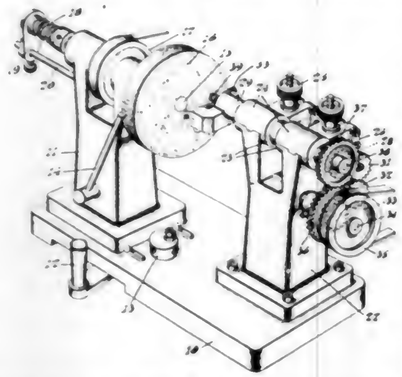
2,454,596
PORTABLE RIVETING MACHINE
Charles A. Dawson, South Pasadena, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application January 26, 1944, Serial No. 519,738
3 Claims. (Cl. 29—34)



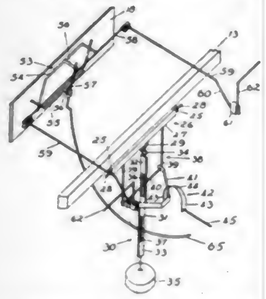
1. A portable drilling and riveting tool comprising a case, a turnable carriage in the case, drilling means and riveting means supported by the carriage to turn therewith and for independent axial movement toward and away from the work assembly, fluid pressure actuated means for clamping the tool against the work assembly, a second fluid pressure actuated means for turning the carriage to alternately position the drilling and riveting means in alignment with a given point on the work assembly, a third fluid pressure actuated means for advancing the drilling means axially toward the work assembly, when aligned with said point, to drill an opening in the work and for advancing the riveting means toward the work assembly, when the same is aligned with said point, and automatic control means for the three fluid pressure actuated means.

2,454,597
GRINDING AND POLISHING MACHINE
Charles Delafontaine, Arlington, and Frank W. Kotler, Watertown, Mass.
Application August 22, 1945, Serial No. 611,936
8 Claims. (Cl. 51—133)

1. A diamond polishing machine for forming a continuous circumferential girdle about a diamond, including in its structure a lapping wheel rotatable about a fixed axis and spring means for holding the wheel in operative position, in combination with a pair of telescopically arranged shafts rotatable about an axis parallel to but eccentric with respect to the axis of the lapping wheel, a diamond holder carried by the said shafts and rotatable about an axis at right angles to that of the lapping wheel and also rotatable about a fixed axis eccentric with respect to that of said wheel, and a single common means for driving the holder about both of said axes.

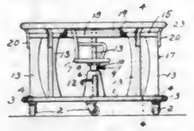


2,454,598
STABILIZING CONTROL MECHANISM FOR MODEL AIRPLANES
Irvin H. Doyle, Phoenix, Ariz.
Application June 26, 1946, Serial No. 679,326
10 Claims. (Cl. 46—76)



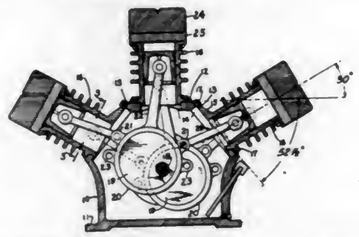
1. In combination with a model aeroplane having a fuselage defining a compartment, wings, two normally horizontally-disposed, spaced-apart supports, one extending transversely across said compartment and the other carried by said wings, and ailerons for said wings; a stabilizing control mechanism for said aeroplane including a pendulum means having a weight-suporting arm provided with a longitudinally-extending slot, means suspending said arm from one of said supports for oscillation of the arm, an elongated control lever with one end portion thereof disposed within said slot, means supporting said lever at the other end portion thereof for swinging movement transversely of said compartment, while within said slot, including a substantially vertically-disposed pivot, operatively carried by the other of said supports, and means operatively connecting said pivot and ailerons, operatively connected with said lever and arm, for operation of said ailerons upon tilting of said supports out of their horizontal positions.

2,454,599
BABY DINING-PLAY TABLE
William M. Dunson, Welaka, Fla.
Application November 1, 1946, Serial No. 707,245
3 Claims. (Cl. 155—123)



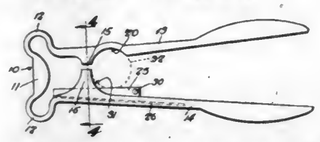
2. In an infant's portable play-dining apparatus comprising a circular base member, supporting means for said member, and a centrally supported chair, and having a flat circular table top member supported by standards affixed to said base member, and said table top member having a central opening formed therethrough above and around the area occupied by said chair, said table top member comprising a flat horizontally disposed one piece play-dining surface and an outer periphery considerably smaller than the outer periphery of said base member, and being unencumbered and free of any objects, crevices and food obstructions on said surface, an annularly disposed tread surface comprising the outer periphery of said base member, and an annulus having a tread surface of equal outer periphery supported well above and outside of the outer periphery of said table top member, thereby comprising a wide open annular sanitary space therebetween, means disposed between said annulus and the outer edge of said table top member to firmly support said annulus, said annulus supporting means comprising angularly formed brackets integrally connected with said annulus and with said table member at spaced distances therearound.

2,454,600
COMPRESSOR
William V. Fischer, Akron, Ohio, assignor to The Air-Flo Compressor Company, Akron, Ohio, a corporation of Ohio
Application October 4, 1944, Serial No. 557,161
8 Claims. (Cl. 230—172)



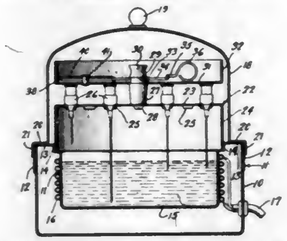
1. A compressor embodying cylinders, pistons therein, mechanism for reciprocating said pistons, a housing having one face substantially horizontal, two oblique faces adjacent thereto disposed at 52½ degree angles to the horizontal, said oblique faces having transversely elongated openings therein, cylinders having mounting flanges thereon inclined at 7½ degree angles from planes normal to their medial axes for mounting said cylinders on said oblique faces at either 30 or 45 degree angles to the horizontal, said substantially horizontal face having openings therein, beveled surfaces adjacent said openings for mounting cylinders thereon, the cylinders being mounted on the housing, connecting links coupled with said pistons, and means in said reciprocating mechanism for mounting said connecting links to form an operative two cylinder compressor when cylinders are mounted on the substantially horizontal surface, a four cylinder compressor when cylinders are mounted on the oblique faces at 45 degree angles, or a six cylinder compressor when cylinders are mounted on the substantially horizontal face and on the oblique faces at 30 degree angles to the horizontal face.

2,454,601
NUTCRACKER WITH AN ADJUSTABLE SLIDING JAW
William M. Gallagher, Oklahoma City, Okla.
Application April 12, 1945, Serial No. 587,871
2 Claims. (Cl. 146—16)



2. A nut cracker comprising resiliently connected arms, a nut jaw formed on the inner side of one of the arms, the other arm having on its inner face a guideway undercut at its lateral edges and extending at each side of the area of the aforementioned jaw, a wedge shaped member slidably mounted in the guideway and forming a second nut jaw cooperating with the first mentioned jaw to accommodate nuts of various diameters, and lugs on the respective arms for limiting the closing movement of the arms positioned between the inner edges of said jaws and the connected ends of the arms and forming portions of each of said jaws.

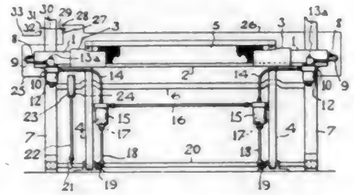
2,454,602
NEEDLE HOLDER AND STERILIZER
Frederick F. Gunther, Chicago, Ill., assignor to Helmco, Inc., Chicago, Ill., a corporation of Illinois
Application June 30, 1944, Serial No. 542,956
7 Claims. (Cl. 21—91)



1. In a holder and dispenser for hypodermic needles or the like, an apertured dispensing member for receiving the shanks of needles loosely therethrough and for supporting them by the enlarged heads thereof; a removable cover member for overlying the ends of the enlarged heads remote from the needle shanks; said dispensing member and said cover member having co-operating clamping means for removably hold-

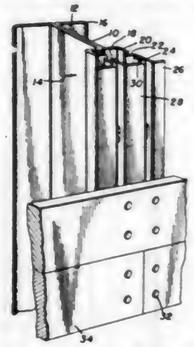
ing the cover member in spaced relation to the dispensing member a distance sufficient to accommodate the portions of the needles extending above the dispensing member and retain the needles in the apertures against longitudinal movement, head first, outwardly therefrom until the cover is removed.

2,454,603
PICKING MOTION FOR LOOMS
John Heaton, Riddlesden, Keighley, England, assignor to Electro-Pneumatic Looms Limited, Bradford, England, a British company
Application November 26, 1945, Serial No. 630,892
In Great Britain January 10, 1945
6 Claims. (Cl. 139—144)



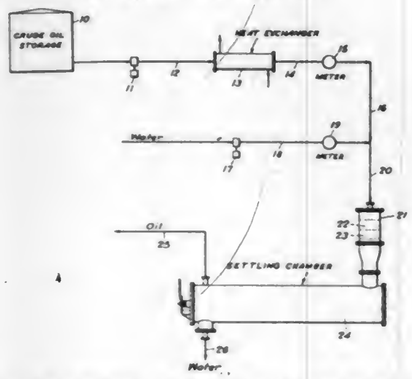
1. Picking apparatus for driving a loom shuttle back and forth across a sley board comprising, a tubular shuttle box at each side of the sley board adapted to snugly receive the shuttle, a source of compressed air, means including alternately actuated valves for delivering compressed air alternately to the shuttle boxes to directly propel the shuttle back and forth, and back air pressure relieving means associated with each shuttle box, each such means being adjustable to thereby vary the arresting effect of the air cushion built up in each shuttle box by back air pressure upon a return of the shuttle to the box.

2,454,604
JOIST AND GIRDER CONSTRUCTION
Edward A. Heim, Lisbon, Ohio
Application February 26, 1947, Serial No. 730,943
2 Claims. (Cl. 189—37)



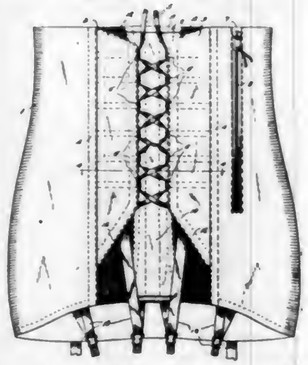
1. A structural member adapted to withstand variously applied stresses and to receive and to clinch nails driven thereinto, comprising channel members with portions of the web portions thereof secured together in back-to-back relation and with outer portions of the web portions in spaced relation, the corresponding sides of said channel members being in co-planar relation, and an elongated nail-guiding member secured to the channel members between and spaced from said outer portions, said guide member being disposed longitudinally of said channel members and comprising a channel member having flanges substantially parallel to said outer portions, and said outer portions having longitudinally extending arcuate portions adjacent the inner edges of the nail-guiding member, the said flanges terminating short of the arcuate portions.

2,454,605
DESALTING CRUDE OIL
Chalmer G. Kirkbride, College Station, and Mark C. Hopkins, Texas City, Tex., assignors to Pan American Refining Corporation, New York, N. Y., a corporation of Delaware
Application October 4, 1945, Serial No. 620,342
9 Claims. (Cl. 252—324)



1. The method of desalting brine-containing oleaginous liquids comprising passing a brine-containing oleaginous liquid through a bed of fiber glass, said bed having a density of from about 10 pounds to about 20 pounds per cubic foot and an interfiber distance, based on such bed densities, of from about 0.0042 inch to about 0.0084 inch.

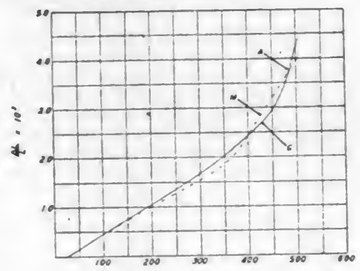
2,454,606
VENTILATED CORSET
Joseph J. Kispert, Mount Carmel, Conn.
Application October 25, 1946, Serial No. 705,567
3 Claims. (Cl. 2—34)



1. A corset comprising a body having a vest, said vest having a narrow vertically extending center panel midway its width and side panels at opposite sides of the center panel extending the full depth of the vest and sewed along outer

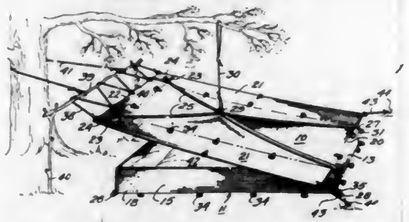
side edges to the body and along inner side edges to opposite side edges of the center panel, the center panel being formed of non-elastic fabric and reinforced by vertically extending stay, the side panels being formed of thin elastic fabric having an open weave and constituting ventilating sections for the vest stretchable transversely of the vest, and closure flaps mounted along edges of the body and disposed against the outer face of the vest in overlapping relation thereof when closed.

2,454,607
GLASS COMPOSITION
Charles E. Leberknight and Eugene C. Ostrander, Edgewood, Pa., assignors to Kopp Glass, Inc., Swissvale, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1946, Serial No. 691,470
2 Claims. (Cl. 106—54)



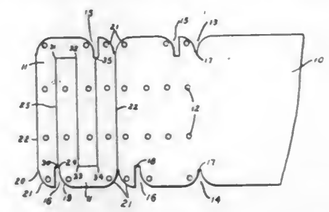
1. A metal sealing glass consisting of 20% to 24% B_2O_3; 3% to 6% Al_2O_3; 2% to 5% TiO_2; .5% to 1.5% ZrO_2; the sum of Na_2O, K_2O and Li_2O; 7% to 12% with not less than 2% of each of these alkali metal oxides; and 56% to 68% SiO_2; calculated from the batch composition.

2,454,608
LUGGAGE CARRIER AND PROTECTOR
Clarence E. Meyerdick, Fair Oaks, Calif.
Application November 25, 1946, Serial No. 712,192
7 Claims. (Cl. 224—42.1)



1. A duffle bag for luggage to be carried on the top of an automobile comprising, connected top and bottom sections composed of a rectangular fabric strip forming a rectangular bag for the bottom section, said top section extending from an upper edge of said bottom section, the remote end of said top section having slide fastening elements secured thereto from points within the body of the top section adjacent to the corners thereof and diverging outwardly to the side and end edges defining square sections at the corners, said corners being foldable upon themselves inwardly upon the closure of the slide fastening elements to provide a closed end cover bag element with depending side portions and an end portion of the top section.

2,454,609
METHOD OF MAKING LAMINATIONS
Edward A. Miller, Cuba, N. Y., assignor, by mesne assignments, to Acme Electric Corporation, a corporation of New York
Application February 21, 1945, Serial No. 579,127
1 Claim. (Cl. 164—18)



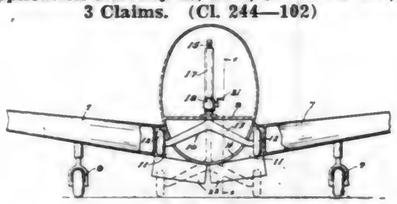
The method of constructing U-shaped laminations from a strip of material, said laminations having a base with rounded outer corners and having side arms of unequal length with the longer of said arms having a step on the inside corner and a rounded outer corner, said method comprising the successive steps of, punching a somewhat V-shaped notch in each side edge of the strip with each notch defining a first edge parallel to the side edge of the strip and also defining first corner edge portions meeting the ends of the first edge and curving into the side edge of the strip, punching somewhat rectangular shaped notches in each side edge of the strip with each somewhat rectangular shaped notch defining a first step edge parallel to the side edge of the strip, a second step edge extending between one end of the first step edge and the side edge, and a second corner edge portion extending from the other end of said first step edge and curving into the side edge of the strip, and blanking the U-shaped lamination from the strip with a part of the first edge, and the respective first corner edge portion of the V-shaped notch on one side of the strip forming a rounded corner on the base of the lamination, with a part of the first edge and the respective first corner edge portion of the V-shaped notch in the opposite side edge of the strip forming a rounded outside corner on the longer arm, with a part of the first step edge and the second corner edge portion of the somewhat rectangular shaped notch in one side edge of the strip forming the other rounded corner on the base of the lamination, and with a part of the first step edge and the second step edge of the somewhat rectangular shaped notch in the other side edge of the strip forming the step on the inside corner of the longer of said arms.

2,454,610
METHOD FOR METALIZATION ON NONCONDUCTORS
Harold Narcus, Worcester, Mass.
No Drawing. Application August 13, 1946, Serial No. 690,333
5 Claims. (Cl. 117—47)

4. Method af applying a conductive copper film to the surface of an electricity non-conducting article comprising activating the surface to produce nuclei of reductive ions in the pores thereof by application of an acidic solution containing titanium oxide, immersing the article in a solution containing an aqueous acidic chloride salt solution of a metal selected from a group consisting of copper, gold, palladium and platinum and then directly immersing in a solution con-

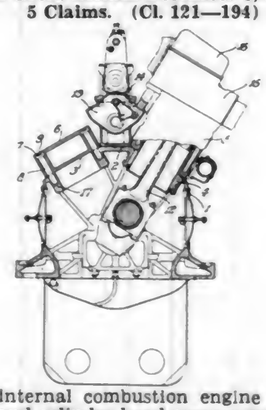
taining copper fluoborate and a fluoborate solution of a metal selected from a group consisting of cobalt, nickel, zinc and iron, the last named solution also containing a copper reducing agent.

2,454,611
RETRACTABLE AUXILIARY LANDING GEAR FOR AIRCRAFT
Louis Paraskevas, New Orleans, La.
Application January 26, 1944, Serial No. 519,806
3 Claims. (Cl. 244—102)



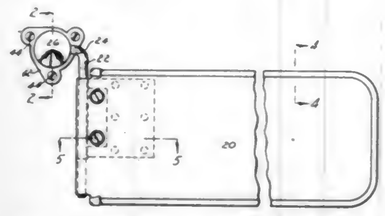
1. In combination, an aircraft including a fuselage with wings having pockets and a service landing gear; an auxiliary landing gear operative independent of the service landing gear comprising a frame operative through the bottom of the fuselage, wheels attached to said frame receivable into the pockets, a rack attached to said frame, a guide mounted in said fuselage with said rack slidably mounted therein, a housing attached to said guide and a manually operative pinion journaled therein engaging said rack, and means secured to said housing for preventing rotation of said pinion in a preselected direction.

2,454,612
CONSTRUCTION OF INTERNAL-COMBUSTION ENGINES
Edward Philip Paxman, Colchester, England
Application June 20, 1946, Serial No. 678,011
In Great Britain December 8, 1944
5 Claims. (Cl. 121—194)



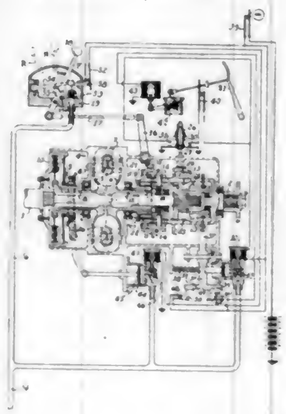
1. An internal combustion engine comprising cylinder and cylinder head components superimposed upon a crank case formed on its upper surface with a central horizontal joint face and a pair of joint faces inclined from the respective sides of said central joint face and merging therewith at their longitudinal edges, one of the inclined joint faces providing means for mounting a row of cylinders thereon, the central horizontal joint face providing means for supporting a cam box assembly thereon, and the second inclined joint face providing a seat for a platform designed to support auxiliaries of the engine.

2,454,613
SUN VISOR
Walter J. Peltier and Alton J. Diroff, Monroe, Mich., assignors to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application March 26, 1945, Serial No. 584,794
7 Claims. (Cl. 296—97)



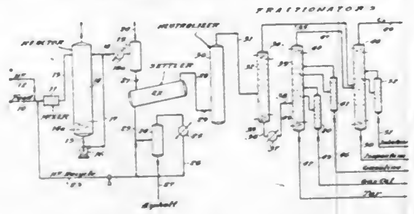
1. Sun visor mechanism comprising, in combination, a bracket base, a rod support pivoted upon the base substantially perpendicular to the plane of the base for rotatable adjustment to a plurality of positions with respect to the base, an angular visor blade supporting rod having one end pivoted upon the rod support for rotatable adjustment about an axis substantially perpendicular to the axis of the pivot mounting of the rod support upon the base, spring means exerting pressure upon the rod tending to hold it at adjusted positions of rotation with respect to the rod support and tending to hold the rod support at adjusted positions of rotation with respect to the base and a visor blade pivotally mounted upon the opposite end of the rod for rotation about an axis perpendicular to the axis of the pivot mounting of the rod upon the rod support.

2,454,614
CONTROL SYSTEM FOR TRANSMISSION MECHANISMS
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio, assignors to Dana Corporation, Toledo, Ohio, a corporation of Virginia
Application October 25, 1945, Serial No. 624,525
9 Claims. (Cl. 192—.01)



1. A control system for transmission mechanisms which include an engine actuated drive shaft, a driven shaft, a low speed direct drive and a high speed direct drive and also low and high speed in indirect drive between the drive and driven shafts, the low and high speed indirect drives including a hydraulic torque converter, a normally-disengaged, self-disengaging shiftable direct drive clutch member operable to connect the direct drive to the driven shaft, and power means for shifting and holding in the direct drive clutch member, the system including an engine throttle and operating mechanism therefor, a governor operated by the driven shaft, successively operable control members normally in inoperative position and operable to active position by the governor, means controlled by the control members for controlling the operation of the power means to engage the direct drive clutch at different speeds, and means operated by the throttle operating mechanism for rendering inoperative the control member first closed by the governor when the throttle has been opened a predetermined amount.

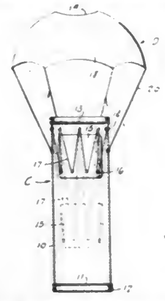
2,454,615
CATALYTIC CRACKING OF HYDROCARBONS
John A. Ridgway, Jr., Texas City, Tex., and Philip Hill, Hammond, Ind., assignors to Pan American Refining Corporation, New York, N. Y., a corporation of Delaware
Application November 12, 1943, Serial No. 509,974
12 Claims. (Cl. 196—52)



1. The process of cracking hydrocarbon oils heavier than gasoline to form gas and gasoline components including low boiling isoparaffinic hydrocarbons while simultaneously forming tar, which comprises subjecting said oils to the action of a catalyst consisting of hydrofluoric acid in an amount at least equal to the weight of oil treated, maintaining the temperature of the reaction zone within the range of about 100 to 250° C., maintaining sufficient pressure in the reaction zone to keep the catalyst in liquid phase, maintaining the hydrofluoric acid in intimate contact with said oils in said reaction zone for a time of contact sufficient to effect cracking as the predominant reaction, removing the hydrocarbon products from the reaction zone, removing dissolved catalyst therefrom by distillation and returning it to the reaction zone and recovering isobutane, isopentane and other hydrocarbons of the gasoline boiling range from the hydrocarbon products.

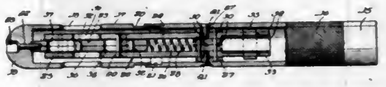
2,454,616
AIR DELIVERY CONTAINER
Arthur B. Schultz, Wilmington, Del., assignor to All American Airways, Inc., a corporation of Delaware
Application April 23, 1945, Serial No. 589,813
8 Claims. (Cl. 244—138)

1. In delivery equipment of the character described, a container for delicate cargo comprising an outer casing, an inner casing adapted for movement within said outer casing, and an undrawn synthetic plastic filament having the ability to absorb energy as it is being drawn,



suspending said inner casing in the upper portion of said outer casing.

2,454,617
WELDING ELECTRODE HOLDER
Eric Siemers, Kalamazoo, Mich., assignor, by mesne assignments, to Lacey-Webber Co., Kalamazoo, Mich., a corporation of Michigan
Application January 21, 1944, Serial No. 519,122
1 Claim. (Cl. 219—8)

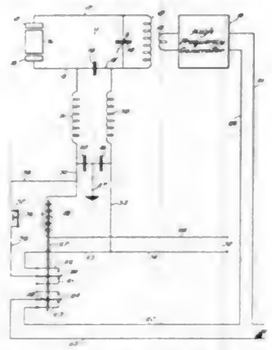


A welding electrode holder, in combination, elongated metal top and bottom members having side members secured thereto to form a hollow body member of susbtantially square cross section, a metal plunger located within said body member and adapted to reciprocate therein, resilient means within the hollow body member for maintaining the plunger in a forward position with its forward end protruding, means limiting the extent of reciprocating movement of the plunger, the top and bottom members adjacent the forward end of the body member having aligned openings for receiving an electrode, said plunger also having an opening therein for receiving the electrode whereby the body member and plunger comprise gripping jaws, said opening in the plunger being so positioned that the same does not coincide with the openings in the body member except when the plunger is retracted against the tension of the resilient means, and tubular covers of insulating material for completely insulating the metal body member, one of said covers having securement to the body member and the other cover being secured to the protruding end of the plunger.

2,454,618
PROTECTIVE CIRCUITS FOR ELECTRONIC EQUIPMENT
John McWilliams Stone, St. Charles, Ill., assignor to Operadio Manufacturing Co., St. Charles, Ill., a corporation of Illinois
Application February 19, 1945, Serial No. 578,677
14 Claims. (Cl. 250—36)

1. In combination, a high frequency oscillator including a primary circuit, a tank circuit and output electrodes deriving energy from said tank circuit, means for controlling the operation of said oscillator comprising a relay having a pair of contacts in said primary circuit, an operating coil for said relay which when energized disen-

gages said contacts and shuts down the oscillator, a blocking condenser inserted in series with one electrode and the tank circuit presenting negligible impedance to the flow of high frequency current but blocking the flow of low frequency alternating current, a circuit for energizing said relay coil comprising a source of low frequency alternating control current, a connection between said source and said oscillator at one side of said blocking condenser, a connection from the other side of said source to one end of said coil and a connection from the other end of said coil to said



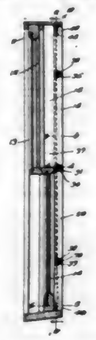
oscillator on the other side of said blocking condenser, radio frequency chokes in said connections to the opposite sides of said blocking condenser, by-pass condensers connected between the ends of said radio frequency chokes remote from the oscillator, the circuit through the relay operating coil being completed upon an arc discharge between the electrodes of the high frequency circuit which arc discharge provides a conducting path between the electrodes for the low frequency current and causes energization of the relay and shuts down the oscillator.

2,454,619

WINDOW SASH CONTROL

Jonas A. Swenson, Springfield, S. Dak.

Application December 8, 1945, Serial No. 633,884
2 Claims. (Cl. 20—54)



1. The described device comprising a window frame, a parting strip therein and a movable retainer strip for a sash, said retainer strip having countersunk cups embedded therein, slots in said cups and disposed transversely of said retainer strip, screws inserted through said slots and into said frame so that said retainer strip may move toward said sash, a longitudinal spring for urging the retainer strip against the sash, said spring being substantially coextensive in length with and carried within the retainer, the ends of the spring being secured to said retainer strip and intermediate portions of said spring contacting said screws so that the spring is stressed, and means for limiting the movement of the retainer.

2,454,620

VIBRATOR FOR USE IN CONNECTION WITH CONCRETE

Robert L. Wilde, Englewood, Colo.

Application January 6, 1947, Serial No. 720,455
2 Claims. (Cl. 259—1)



1. A mechanical vibrator comprising, an elongated housing having one end closed, an elongated eccentric vibrator positioned in the housing, each end of the vibrator having an antifriction bearing supported by the inner surface of the housing, one of said bearings being spaced from the closed end forming an oil reservoir, said last mentioned bearing having an opening communicating the reservoir with the space between the bearings, whereby oil from the reservoir will flow into the space between the bearings when the vibrator is positioned in a horizontal plane, and return to the reservoir when the vibrator is in a vertical position with the reservoir at the bottom.

2,454,621

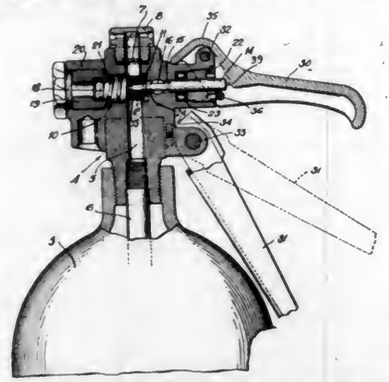
SQUEEZE GRIP FOR PORTABLE FIRE EXTINGUISHERS

Frank B. Allen, Verona, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Continuation of application Serial No. 464,686, November 5, 1942. This application May 13, 1948, Serial No. 26,811
5 Claims. (Cl. 222—400)

1. A combination discharge head and squeeze-grip handle for a fire extinguisher including a container for fire extinguishing fluid comprising, a discharge head for the container adapted to be secured to the top thereof, the discharge head having fluid passage means providing an outlet for fluid in the container, valve means to close the fluid passage means, a valve operating member operatively engaging the valve means and extending outwardly from one side of the discharge head, a lower grip handle on the discharge head on the said one side thereof under the valve operating member, pivotal mounting means on the said one side of the discharge head, and an upper grip handle member carried by the

pivotal mounting means and extending above the valve operating member, the upper grip handle member having on its lower surface a downwardly directed portion positioned on the outward side of the pivotal mounting, the downward-



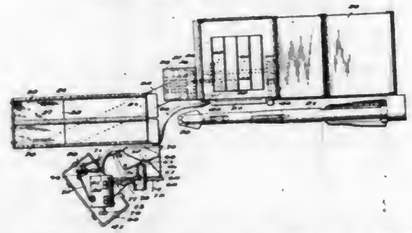
ly directed portion adapted to operatively engage the valve operating member to cause lateral movement thereof, whereby when the grip handle members are squeezed together the valve operating member is actuated laterally to cause the release of the fire extinguishing fluid.

2,454,622

HOSIERY HANDLING AND INSPECTING APPARATUS

Edward R. Ammon, Reading, Pa.

Application May 21, 1946, Serial No. 671,221
16 Claims. (Cl. 223—77)



16. Stocking handling and inspecting apparatus comprising a supporting frame, a hosiery inspecting form having a toe end and mounted horizontally in fixed position on and spaced from the supporting frame, means for supplying stockings to the form for inspection and for bagging stockings after inspection including an elongated stocking holding supply tray having an open discharge end and having a horizontal bottom portion and spaced opposite side portions adapted to hold a stack of flat horizontally extending stockings with their welt ends at the discharge end of the supply tray, means mounting the supply tray lengthwise of the form for vertical movement relatively to the form in spaced outward relation to the toe end of the form, stocking bagging means mounted outwardly of the toe end of the form independently of the supply tray and including a pair of power-driven coacting stocking feed rolls mounted for rotation about vertical axes on a fixed level substantially on the horizontal level of the form and laterally offset from the form and the supply tray adapted to discharge horizontally stockings received from the form, a baffle spaced outwardly of and opposite the discharge end of the form for deflecting stockings downwardly and means below the feed rolls for delivering the stockings into a bag.

2,454,623

TEXTILE CHROME-PRINTING COMPOSITIONS AND A PROCESS FOR THEIR MANUFACTURE

Charles Babey, Willi Thommen, and Emil Stocker, Basel, Switzerland, assignors to J. R. Geigy A.-G., Basel, Switzerland, a Swiss firm

No Drawing. Application June 30, 1945, Serial No. 602,678. In Switzerland July 28, 1944
12 Claims. (Cl. 8—72)

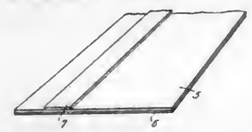
1. Process for the manufacture of textile chrome-printing pastes containing hexavalent chromium, chromable dyestuff and gum of vegetable origin, comprising adding to a printing composition which contains chromable dyestuff and gum of vegetable origin water-soluble chromates containing at least one metal forming colorless cation selected from the group consisting of di- and trivalent cations.

2,454,624

METHOD OF PRODUCING RADIATOR TUBES

Martin G. Boerger, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin

Original application January 21, 1944, Serial No. 519,139. Divided and this application October 5, 1944, Serial No. 557,247
6 Claims. (Cl. 113—118)



1. The method of producing a radiator tube which consists in applying a ribbon of solder to one side of a metal strip throughout its length, rolling the prepared strip into a flat tube with the side edges of the strip overlapping each other along an arc of a circle at one edge of the tube to form a lap joint with the inner overlapped portion offset inwardly a distance substantially equal to the thickness of the metal strip, with the outer edge of the outer overlapping part disposed in alignment with the outer face of the flat tube, setting the tube in a position with its overlapped joint at the lowermost point, and heating the rolled tube to the fusing point of the solder, causing the melted solder, when set, to unite the overlapping edge portions of the rolled strip.

2,454,625

INSULATED ELECTRICAL CONDUCTOR AND METHOD OF FABRICATING THE SAME

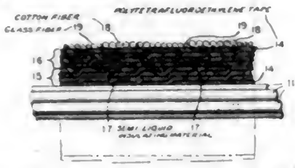
Lewis A. Bondon, Arlington, N. J.

Application April 9, 1947, Serial No. 740,310
7 Claims. (Cl. 174—120)

1. An insulated electrical conductor comprising a metallic conductor element insulated by a surrounding layer of laminated polytetrafluoroethylene having a film of dielectric lubricant interposed between the contacting surfaces of the laminated polytetrafluoroethylene.

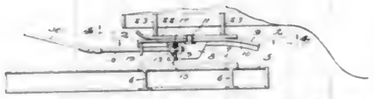
7. A process of fabricating insulated electrical conductors or the like, characterized by helically wrapping. a thin, flexible, unreinforced and initially unstressed tape in the form of a film of

polytetrafluoroethylene about a conductor element under sufficient tension to cause each convolution of the tape to tightly conform to the surface about which it is wrapped and with each convolution of the tape overlapping the preceding convolution by at least three-fourths of its width to form a laminated dielectric core; coating the



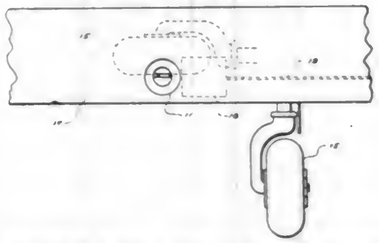
outer surface of the conductor element and said tape with an organo-silicone semi-liquid prior to wrapping said tape thereon to prevent any air from being entrapped within the dielectric core and to lubricate the overlapping convolutions; braiding a reinforcing, physically confining outer jacket on said core; and subjecting the complete assembly to sufficient heat to stress relieve the laminated core.

2,454,626
FIFTH WHEEL COUPLING FOR TRAILERS
John Borzell, Pittston, Pa.
Application February 26, 1947, Serial No. 730,916
2 Claims. (Cl. 280—33.05)



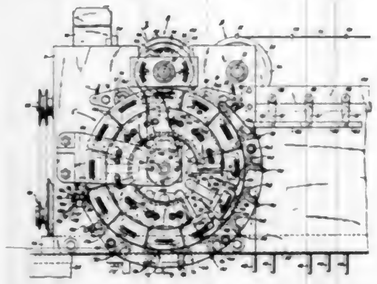
1. In combination with the fifth wheel of a tractor and the fifth wheel plate of a trailer, the fifth wheel plate of the trailer having spaced openings, said fifth wheel having openings, cylindrical housings supported under the fifth wheel directly under the openings of the fifth wheel, stop pins disposed within the cylindrical housings and extended through the openings of the fifth wheel, springs within the housings adapted to normally urge the pins upwardly, said pins adapted to move into the openings of the fifth wheel plate of the trailer preventing angular movement of the trailer with respect to the tractor beyond a predetermined point, and means for moving the pins to their inactive positions.

2,454,627
WHEEL OPERATING MEANS FOR AIRPLANES
Otho A. Brandt, St. Paul, and Florence G. Ellingsen, Minneapolis, Minn.
Application November 27, 1944, Serial No. 565,270
2 Claims. (Cl. 244—103)



1. Airplane wheels upon which an airplane is adapted to land, in combination with retracting means for lifting said wheels into the body of the airplane, air vanes radially extending from the axis of said wheels, air inlet and exhaust passageways leading to said vanes on said wheels formed in the airplane, a shutter for controlling said air inlet passageways, whereby the landing wheels of an airplane can be caused to rotate by a current of air passing over the same to minimize the frictional contact with the ground on the said wheels in landing the airplane.

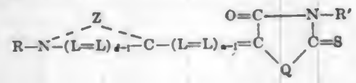
2,454,628
PUNCHED CARD SORTING MACHINE
Karl J. Braun, Merrick, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 25, 1944, Serial No. 565,108
22 Claims. (Cl. 209—110)



1. In a sorter, a sensing means, a plurality of pockets into which cards are selectively deposited in conformity with the analysis of the cards by said sensing means, a rotary timing unit common to said pockets, said unit including a plurality of actuating members having operative association with said sensing means for selection thereby and each individual to one of said pockets and to an index point of the cards being sensed, a shaft about which said unit rotates, oscillatory members each individual to one of said pockets and supported upon and movable about said shaft as an axis, each of said oscillatory members having operative connection with one of said actuating members, and means connecting each oscillatory member with its pocket so as to open the same when said member is operated by a selected one of said actuating members.

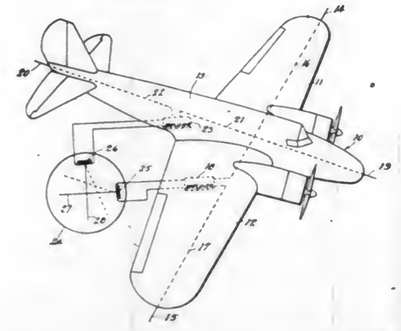
2,454,629
POLYMETHINE DYES
Leslie G. S. Brooker, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 27, 1940, Serial No. 316,002
5 Claims. (Cl. 260—240)

1. A process for preparing a dye comprising heating, in nitrobenzene, an alkyl salt with a merocyanine dye characterized by the following general formula:



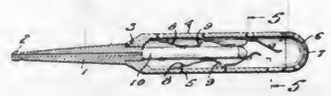
wherein *d* represents a positive integer of from one to two, *n* represents a positive integer of from one to three, L represents a methine group, Q represents a group selected from the group consisting of oxygen, sulfur, alkylimino groups and arylimino groups, R represents an alkyl group, R′ represents a group selected from the group consisting of alkyl and aryl groups, and Z represents the non-metallic atoms necessary to complete a heterocyclic organic nucleus.

2,454,630
METHOD AND APPARATUS FOR INDICATING POTENTIAL GRADIENTS
Elmer P. Buckthal, Brookfield, Ill., assignor to United Air Lines, Inc., Chicago, Ill., a corporation of Delaware
Application January 8, 1945, Serial No. 571,919
4 Claims. (Cl. 177—311)



1. Apparatus for determining the intensity and direction of an electrostatic field comprising two sets of selectively spaced charge collectors, the axes of said sets of charge collectors lying across each other at a predetermined angle, conductors connecting said charge collectors in each set to conduct current flow therebetween, and indicating means responsive to the current flow between said charge collectors, said indicating means including a plurality of independently movable pointers and an instrument dial divided into areas for indicating intensity in any direction, said pointers being respectively responsive to the current flow in said conductors of said two sets of charge collectors, said pointers and said dial being correlated to the spacing of said charge collectors to indicate directly both intensity and direction of an electrostatic field.

2,454,631
HOLDER FOR CIGARS AND CIGARETTES
Zalman Chneerson and Adolph Razdowitz, New York, N. Y.
Application June 5, 1947, Serial No. 752,680
2 Claims. (Cl. 131—175)



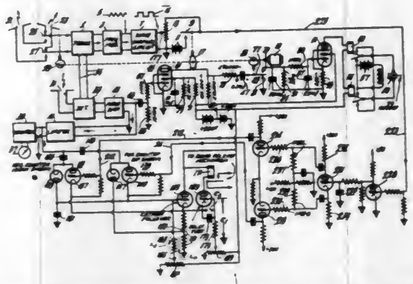
1. In a holder for combustible articles, a mouth piece, a hollow cylinder, means for attaching said mouthpiece to said hollow cylinder, said cylinder provided with a plurality of perforations in order to provide air access into said cylinder, a plurality of rows of springs angularly spaced apart, the rear ends of said springs being secured to the inner surface of the cylinder each adjacent one of said perforations, and extending for a predetermined length close to said perforation sufficient to prevent substantially the clogging up of the latter, whereas the forward ends terminate at about the axis of the cylinder in their normal inoperative position and press against the combustible article in their holding operative position.

2,454,632
EDUCATIONAL DEVICE
Howard R. Cohn, Brooklyn, N. Y.
Application February 19, 1946, Serial No. 648,657
5 Claims. (Cl. 35—35)



5. An educational device comprising a series of individual letter blocks each of substantial thickness with margins corresponding to the form of the letter and provided midway between such margins with a slot of V-shaped cross-section to enable the letter to be traced by a pencil on a sheet of paper underneath the block and a board with raised letters arranged thereon in alphabetical order, the upstanding ridges forming the letters each having the same configuration as and having a width slightly less than that of the bottom of the slot in the corresponding individual block whereby each block may be brought into register with its corresponding letter on the board and retained in place while the other blocks are being similarly positioned.
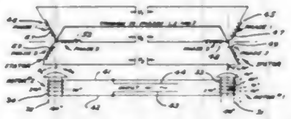
2,454,633
FREQUENCY MODULATED RADAR APPARATUS
Ben R. Cole, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 10, 1945, Serial No. 627,949
5 Claims. (Cl. 343—8)



1. In a radio control system including radio transmitter means and radio receiver means whereby signals are radiated to and received from a reflecting object, said control system including a pair of directive antennas having angularly displaced directive radiation patterns, means for frequency modulating said transmitter by a triangular wave and switching means for cyclically changing the directive response of said antenna system from one to the other of two alternate overlapping directive patterns whereby switching transients are unavoidably produced, means for

comparing the amplitude of the output of said receiver means during periods of operation with one of said directive patterns with the amplitude of the output of said receiver means during periods of operation with the other of said directive patterns, means for supplying the output of said amplitude comparison circuit to a utilization circuit, a pair of frequency counters having a common storage capacitor, one of said counters being a negative counter and the other being a positive counter whereby the voltage across said capacitor is a measure of the difference in the outputs of said counters, and means for making one of the counters active only during the upsweep of said triangular wave and for making the other counter active only during the downsweep of said triangular wave and for making both of said counters inactive during the presence of said switching transients.

2,454,634
ELECTROMAGNETIC CIRCUIT
George D. Craig, II, Flushing, N. Y.
Application August 9, 1945, Serial No. 609,893
6 Claims. (Cl. 172—281)



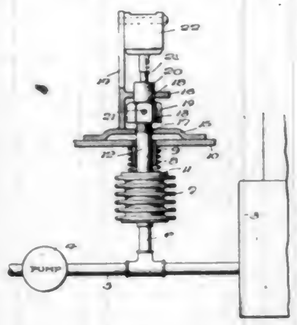
1. A device for producing an electrical current, the characteristics of which vary in accordance with the passage of time in a fixed recurring, non-sinusoidal pattern that comprises at least two inductances connected in series, means for producing an electromagnetic field, means for producing relative cyclical movement between said field and one of said inductances so that said inductance is cyclically acted upon by said field and means for producing a second electromagnetic field independent of the first and applying said second electromagnetic field to another of said inductances.

2,454,635
MANUFACTURE OF RUBBERLIKE MATERIALS
Cecil Albert Curtis, Manchester, and Douglas Sandford Stephens, Cheadle, England
No Drawing. Application August 15, 1947, Serial No. 768,934. In Great Britain September 4, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 14, 1964
9 Claims. (Cl. 260—67)

1. A process for making rubber-like materials which comprises reacting an aliphatic thfoaldehyde with a quantity of elementary sulphur ranging from ¼ to 12 atomic proportions per atomic proportion of combined sulphur in the thioaldehyde in an aqueous medium at a temperature ranging from 80° C. to the boiling point while maintaining the aqueous medium at a pH value ranging from 1.5 to 10 throughout the reaction.

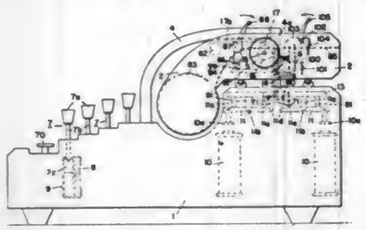
2,454,636
DEVICE FOR PREVENTING OVERTRAVEL OF OPERATING MECHANISMS
Alan C. Davis, East Haddam, Conn.
Application March 9, 1945, Serial No. 581,864
2 Claims. (Cl. 137—156.5)

1. In a pressure or temperature responsive device, parallel abutments, a threaded shaft and a nut, the threaded shaft extending through one of the abutments and engaged with the nut, an end of the nut being extended and engaged



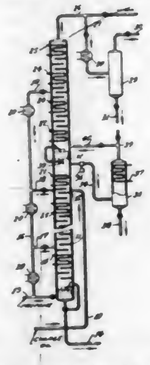
through the other abutment, and mechanism engaged with the extended end of the nut and operable upon movement of the latter.

2,454,637
ELECTRIC MACHINE FOR TYPING IN THE BRAILLE AND ABREU SYSTEMS
Juan de la Fuente Tejedo, Madrid, Spain
Application February 19, 1945, Serial No. 578,653
In Spain January 15, 1944
3 Claims. (Cl. 197—6.1)



1. In an electrically operated code embossing machine of the typewriter class, the combination with a source of electric energy; a group of embossing members; and means, including electro-responsive devices in circuit with the source of energy, for operating said embossing members singly; of a keyboard including keys; individual key housings traversed by their respective keys, and in circuit with the source of energy; a contact travelling with each key, and in electrical engagement with its key housing during depression of its key; contact point supports adjacent the several key housings; relatively insulated contact points mounted in said supports and positioned in the paths of the respective travelling contacts for engagement thereby during depression of said keys, said contact points being individual to, and in circuit with their respective electro-responsive devices, said contact points being arranged singly and in groups relatively to their respective travelling contacts according to a predetermined code system; and resilient means to restore the keys to their home positions to disconnect the travelling contacts from their associated contact points to open the circuits.

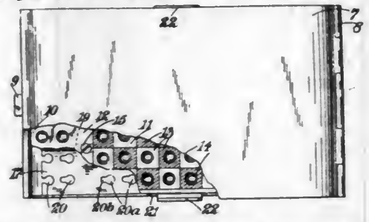
2,454,638
FRACTIONATION OF FATS
John T. Dickinson, Basking Ridge, N. J., and Oliver Morfit, Scarsdale, and Leo J. Van Orden, Olean, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application January 20, 1945, Serial No. 573,754
11 Claims. (Cl. 260—428.5)



1. In the fractionation of fatty oils the method which comprises contacting a fatty oil with a low boiling solvent whose critical temperature is not substantially higher than 450° F. under conditions of temperature and pressure effective to maintain said solvent in a liquid condition and dissolve at least a portion of said oil in said solvent, continuously introducing the solution thus obtained into one end of an elongated rectification zone maintained under pressure effective to keep the solution liquefied and in the temperature range in which the solubility of the dissolved oil in the solvent decreases with rising temperature, flowing said solution through said rectification zone to the opposite end thereof in intimate contact with an oppositely flowing separate oil phase comprising a mixture of the oil and solvent in a substantially lower ratio of solvent to oil than exists in said first-mentioned solution or solvent phase, continuously withdrawing said solvent phase from said rectification zone at said opposite end thereof, treating said solvent phase in said rectification zone to separate therefrom a portion of the oil component thereof as a component of said separate oil phase, flowing said oil phase in intimate contact with said solution toward the end of said zone at which the first-mentioned solution is introduced, withdrawing said oil phase from said zone at a point adjacent the end at which said first-mentioned solution is introduced, and continuously withdrawing as a side stream a portion of one of said counterflowing phases from said rectification zone at a point intermediate the ends thereof to obtain a fraction of said fatty oil of intermediate characteristics.

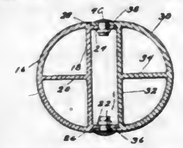
2,454,639
PORTABLE CHESS OR CHECKERBOARD WITH GAME PIECE RETAINING MEANS
Raymond William Edwards, Mangotsfield, England
Application April 2, 1946, Serial No. 658,971
In Great Britain December 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 16, 1964
2 Claims. (Cl. 273—136)

1. A device for playing a checker or the like game comprising a base, a game board having positions of play with openings therethrough, a slide plate having a plurality of key-hole slots consisting of larger and smaller width openings therethrough, a plurality of narrow horizontally spaced apart runners carried by the base of said slide plate and spaced between the key-hole slots in said slide plate, said runners raising said slide support above said base and providing a space between said slide plate and base and between adjacent runners, support means rigid with said base and said game board for securing said game board against movement, a plurality of checker or chess game pieces, pins extending downwardly from the base of said game pieces the diameter of said pins being slightly less than the smaller width openings of said key-hole slots and said pins having flanges at their free ends the diameter of which is materially in excess of the smaller width openings of said key-hole slots, said game pieces adapted to be placed on said board with said pins and



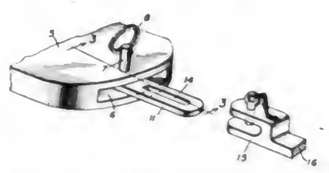
flanges receivable through said openings in said game board and through the larger diameter openings of said slide plate, and a hand hold for shifting said slide plate for placing the larger diameter openings of the key-hole slots in said slide plate in registry with the openings in said board to permit passage of the pins and flanges of said game pieces therethrough upon movement in one direction and for locking said game pieces to said board and retaining the flanges beneath the smaller width openings of said slide plate in said space upon movement in an opposite direction, said base being in the form of a receptacle having a bottom and upstanding side walls with a hinged cover having downwardly depending side walls, one complemental pair of side walls being partially cut away to receive, when the cover is in the operative position, the hand hold and that said hand hold forms a lug, one end of which is attached to said slide plate and the other end of which is free for hand operation.

2,454,640
MAST FOR MARINE CRAFT
Ferdinand R. Eichner, Pontiac, Mich., assignor to Trail-A-Boat Company, Pontiac, Mich.
Application June 30, 1945, Serial No. 602,503
4 Claims. (Cl. 114—90)



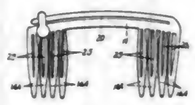
1. A mast for marine craft comprising substantially alike semi-cylindrical members, webs for strengthening the members both longitudinally and transversely, longitudinally extended flanges on each of the members, the flanges on one of the members being biased and fitted on the flanges of the other member, and means for securing the flanges of one member to the flanges of the other member.

2,454,641
SAFETY HITCH FOR VEHICLES
Michael J. Figmick, Cairnbrook, Pa.
Application May 5, 1947, Serial No. 746,015
3 Claims. (Cl. 213—75)



1. A vehicle hitch comprising a first member and a second member, a substantially horizontal slot provided in the first member, a substantially vertically disposed pin journaled in the first member and extending through the slot, said pin having a threaded portion intermediate its ends, a tongue having a threaded opening for engaging the threaded portion of the pin for swinging movement of tongue in the slot, hand gripping means carried by the pin for raising and rotating the same, spring means positioned in the lower plane of the slot for normally holding the tongue against swinging movement when the tongue is in a lowered position, said tongue being raisable with the pin to clear the spring for swinging movement of the former, and means carried by the second member for lockably engaging the tongue.

2,454,642
COMB
Marian L. Finman, Minneapolis, Minn.
Application June 21, 1946, Serial No. 678,380
6 Claims. (Cl. 132—21)



2. An upsweep hair styling comb comprising a comb frame curved to fit generally the head contour, a similarly curved hair clamping bar flexibly mounted on the comb frame for movement toward and from clamping position in respect to said frame for attaching the comb to a lock of hair, said hair clamping bar being integral with the comb frame at one end thereof and extending generally parallel to the top of the comb frame, and comb teeth on the frame for affixing the comb in place with the lock of hair attached thereto.

2,454,643
GELATINE BLASTING EXPLOSIVE COMPOSITIONS CONTAINING WATER-SOLUBLE SALTS
Stanley Fordham, Saltcoats, Scotland, and John L. Moilliet, Styal, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 18, 1945, Serial No. 605,843. In Great Britain October 25, 1944
6 Claims. (Cl. 52—13)

3. An explosive composition comprising at least sixty per cent by weight of water soluble explosive inorganic oxidizing salts, a less proportion of an explosive liquid nitric ester, a small amount of nitrocellulose dissolved therein, from 0.02 to 0.5 per cent by weight of polyethylene glycol ethers of at least eight carbon atoms joined together and of at least two ethenoxy groups joined together, and from 0.1 to 0.25 per cent by weight of the entire composition of moisture.

2,454,644
PURIFICATION OF GUANIDINE NITRATE
Charles E. Funk, Jr., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application October 13, 1942, Serial No. 461,849
1 Claim. (Cl. 260—564)

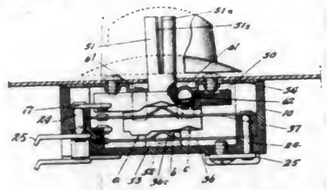
In a method of fusing ammonium nitrate and dicyandiamide, dissolving the melt in water, aerating the solution to convert ferrous iron to ferric iron, precipitating the iron with ammonia, removing the insoluble impurities, and recrystallizing guanidine nitrate from the substantially iron free solution separating out the nitro guanidine crystals from the mother liquor, the improvement in purifying the thus produced mother liquor from the guanidine nitrate crystallization which includes adjusting the pH thereof to 3.6 or below with nitric acid and removing the precipitated impurities and recycling the thus purified mother liquor containing ammonium nitrate to a point in the process to dissolve the said melt.

2,454,645
PRODUCTION OF ALKYL CHLORIDES
Eugen Gottfried Galitzenstein and Cyril Woolf, London, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland, a British company
No Drawing. Application April 24, 1945, Serial No. 590,127. In Great Britain April 12, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 12, 1964
3 Claims. (Cl. 260—652)

1. A process for the manufacture of alkyl chlorides comprising a number of cycles each consisting of a first stage of passing an acylic aliphatic olefine containing not less than three carbon atoms into sulphuric acid containing not less than 8% by weight and not more than 20% by weight of water to produce a reaction mixture containing the corresponding alkyl sulphuric esters and free sulphuric acid and a second stage consisting of passing gaseous hydrogen chloride into said reaction mixture at a temperature between room temperature and 60° C., separating the resultant alkyl chloride-containing upper layer and recovering the alkyl chloride therefrom, and returning the sulphuric acid to the first stage of the succeeding cycle.

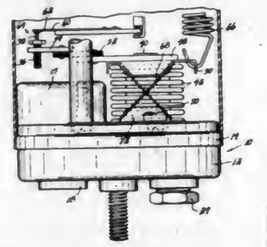
2,454,646
ELECTRIC RANGE SWITCH
Frederic P. Gates, Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn., a corporation of Connecticut
Application April 29, 1944, Serial No. 533,355
15 Claims. (Cl. 200—6)

1. A rotary electric switch, comprising fixed and movable contacts, a rotary member for moving said movable contacts in directions parallel to the axis of rotation of said member, said rotary member having a plurality of cam tracks concentrically arranged at different distances from the axis of rotation, and all facing in one axial direction, certain of said tracks being located on one surface of said member and other of said



tracks being located on another surface spaced axially from said first surface.

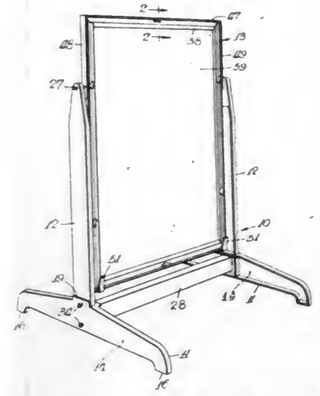
2,454,647
PRESSURE SWITCH
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 5, 1944, Serial No. 534,189
24 Claims. (Cl. 200—81.5)



1. In a switch of the class described comprising in combination, switching means, condition responsive means controlling the operation of the switching means, a sealed housing providing a chamber surrounding the condition responsive means so that differential pressures may be employed for actuating the switching means, the housing having an opening, a bellows means for sealing the opening in the housing, a lever assembly, and crossed reed pivot means connected with the lever assembly, the lever assembly connected to the bellows through the opening in the housing, the responsive means responsive to a change in the condition for causing rotation of the lever assembly about the crossed reed pivot means and the bellows for actuating said switching means.

2,454,648
SIGN STAND FOR DISPLAYING POSTERS
Herman Green, Garden City, N. Y., assignor to City Tank Corporation, Corona, Long Island, N. Y., a corporation of New York
Application June 11, 1946, Serial No. 675,947
4 Claims. (Cl. 40—125)

1. In a sign, a frame assembly for displaying and mechanically holding on opposite faces thereof sheets of paper having advertising matter comprising an external frame element formed of a pair of symmetrical frame elements, each frame element being formed of angle sections, one branch of said angle sections forming the periphery of the frame element, the other branch being inwardly directed contiguous to the cooperating frame element and united thereto, holding therebetween a backing plate, symmetrical locking plates, each nested within the frame defined by the first pair of frame elements and resilient locking means engaging said inwardly directed branches, said locking frames comprising angular sectional elements, one branch of which is arranged to lie in parallelism with the peripheral branch of the first frame



element, the other branch of said locking frame section including a locking head cooperating with said first frame element to tauten the sheeting material against the backing plate.

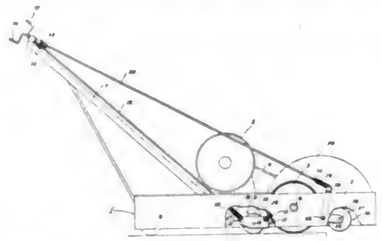
2,454,649
PYROLIGNEOUS LIQUORS FOR PRESERVING FOOD PRODUCTS AND METHOD OF PREPARING THE SAME
Henri Martin Guinot, Versailles, France, assignor to Les Usines De Melle (Societe Anonyme), Saint-Leger-les-Melle, France, a company of France
No Drawing. Application March 17, 1945, Serial No. 583,372. In France March 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 3, 1962
8 Claims. (Cl. 99—222)

1. In a process for the production of a foodstuff cure from a pyroligneous liquor, the steps of extracting said liquor by means of a solvent for the tarry components of the liquor, thereby obtaining an extract containing a large proportion of said tarry components and a small proportion of acids, de-acidifying said extract at a temperature below the point of incipient distillation of said tarry components in said extract, in the presence of no more water than about the volume of said extract; and dissolving the de-acidified extract in a substantially neutral aqueous medium; in combination with the step of removing said solvent from said extract at a stage after the said extraction step.

2,454,650
SANDING MACHINE
Forist Harris, Merced, Calif.
Application May 10, 1946, Serial No. 668,861
6 Claims. (Cl. 51—176)

1. A floor sanding machine comprising a frame, a power driven sanding drum mounted transversely on the frame adjacent its forward end, a transversely spaced pair of rear roller units mounted on the frame adjacent its rear end, a transversely spaced pair of forward roller units mounted on the frame adjacent its forward end, and a transversely spaced pair of intermediate roller units mounted on the frame intermediate said forward and rear pairs of roller units; the

forward and intermediate pairs of units being independently vertically adjustable and disposed



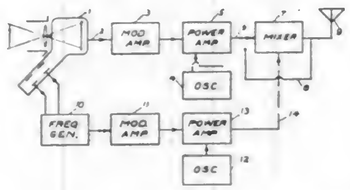
ahead and to the rear, respectively, of the sanding drum.

2,454,651

SYNCHRONIZING SYSTEM

John H. Homrighous, Oak Park, Ill.

Original application August 3, 1940, Serial No. 350,758, now Patent No. 2,369,783, February 20, 1945. Divided and this application April 26, 1943, Serial No. 484,570
13 Claims. (Cl. 178—69.5)



1. In a system of distant control, a cathode ray tube having an image screen, said tube provided with suitable networks for producing images in different discreet areas on its associated screen from received picture signals, a pair of electric motors, a source of current supply, a plurality of photo-electric devices for each of the said motors, each of the said devices sensitive to different intensities of light from a different one of said image areas, and means controlled by said devices for electrically connecting the said source of current supply to either one of the said motors to rotate it at different speeds in the same direction.

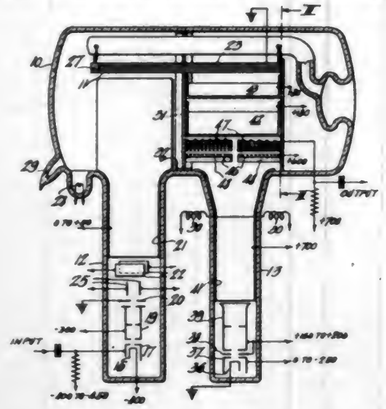
2,454,652

CATHODE-RAY STORAGE TUBE

Harley Iams, Albert Rose, and Gardner L. Krieger, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application June 26, 1943, Serial No. 492,658
9 Claims. (Cl. 250—150)

1. A signal storage tube that comprises a storage screen comprising a multiplicity of discrete parallel conducting strips which have a secondary emissive ratio greater than unity when scanned by a high velocity beam, means for scanning transversely across said strips by a high velocity electron beam, means for collecting secondary electrons released by said beam; means for scanning transversely across said strips by a low velocity beam with the electrons striking said strips with a velocity so low that the ratio of secondary electrons to beam electrons is less than unity, means for modulating one of said beams by an input signal whereby it is stored on said screen, and means



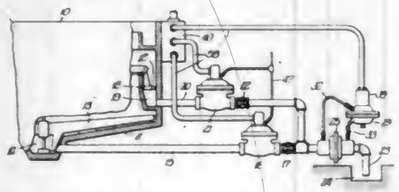
for collecting the signal removed from the screen by the other beam.

2,454,653

METHOD OF AND APPARATUS FOR THE REMOVAL OF SOLIDS FROM LIQUIDS, WITH A CONTROL OPERATING IN RESPONSE TO VISCOSITY OR PRESSURE

Ewald A. Kamp, Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., a corporation of Delaware

Application November 27, 1944, Serial No. 565,362
4 Claims. (Cl. 210—55)



1. Method of removing solid particles from a liquid, comprising the steps of continuously collecting in a lower portion of a tank a viscous but fluid sludge containing the solid particles to be removed; establishing a flow of the sludge from said portion of the tank; measuring the viscosity of the sludge in said flow; and applying a control tending to terminate said flow in response to a predetermined reduction of the viscosity measured, whereby the amount of sludge removed from the tank by such flow is substantially proportional to the amount of sludge collected in the tank, regardless of variations in the quantity and character of liquid treated and in the quantity and character of solid particles in such liquid.

2,454,654

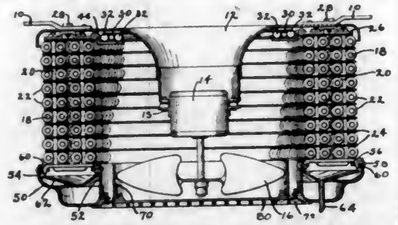
AIR COOLING APPARATUS

Daniel L. Kaufman, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application January 22, 1947, Serial No. 723,589
3 Claims. (Cl. 62—140)

1. In a heat exchange unit, bracket means for suspendingly supporting said unit, a top plate secured to said bracket means, circular air cooling

coils, means for suspending said coils from said bracket means, fan means for circulating air to be conditioned in thermal exchange with said cooling coils, a circular substantially U-shaped in cross-section bottom housing, insulating means for securing the upper edge portion of one leg of said housing to said coil suspending means, a circular drip tray disposed within said housing, means for securing said drip tray to the upper



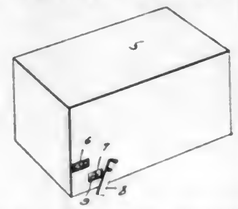
edge portion of one of the legs of said housing so as to support the tray in spaced relationship to the other leg of said housing and to the bottom wall thereof, and a collar-like member surrounding said fan means and extending substantially throughout the height of the inner leg of said housing in spaced relation thereto for shielding the same from incoming air circulated by said fan means.

2,454,655

EDUCATIONAL DEVICE

Abe F. Kirschbaum, Greenbelt, Md., assignor to Henry M. Grubola, Washington, D. C., and Edward F. Grubola, Long Island City, N. Y.

Application November 22, 1946, Serial No. 711,772
2 Claims. (Cl. 35—9)



1. An educational device comprising a rectangular hollow body portion having a pair of sight openings arranged adjacent to one end thereof, a rectangular block positioned within the body portion and adapted to move in a tumbling fashion within the body portion and come to rest in front of said sight openings, and said block having a combination of numbers depicting a mathematical problem thereon visible through one of the sight openings, and said block also having numbers visible through the adjacent opening representing the answer to the mathematical problem appearing in the first opening.

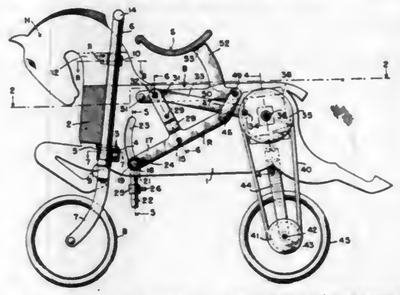
2,454,656

MECHANICAL GALLOPING HORSE

Alexander A. Kollman, Los Angeles, Calif.

Application August 6, 1946, Serial No. 688,764
6 Claims. (Cl. 280—1.19)

1. A vehicle of the character described, comprising a body having two vertical, spaced walls, ground-engaging supporting wheels operatively connected with the body, a crank element rotatably supported between the walls, a driving connection between the crank element and certain of the supporting wheels, a relatively long rock member pivotally supported intermediate its ends between the walls for oscillation on an axis extending transversely of the body, the rock member being of a width substantially equal to the width of the space between the walls and having upstanding side flanges, an arm connected with said flanges intermediate the ends of the rock member and extending upwardly at one side of the longitudinal center of the space between the walls, a link pivotally connected at one end with the upper end of said arm and having its other end pivotally connected with said crank element whereby rocking movement of the rocking member will impart rotatory movement to the



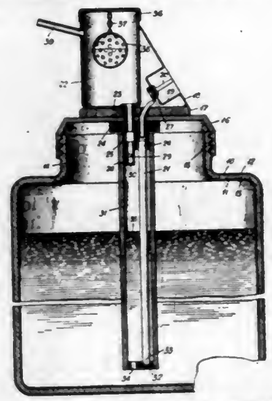
crank element, a pivot extending transversely between the flanges of the rocking member at one end thereof, a relatively long lever disposed between said walls and pivotally connected at an end remote from the pivot element with the walls for vertical movement on an axis extending transversely of the space between the walls, a relatively short link pivotally connected at one end with the rocking element carrying pivot and having its other end pivotally connected with the other end of the lever, a seat member, means connecting the seat member with the end of the lever adjacent to the said short link, and pedal elements secured to the other end of the rocking member and supported therefrom.

2,454,657

VAPORIZER

Walter R. Kuzmin, Nutley, and Samuel J. Levine, Newark, N. J.

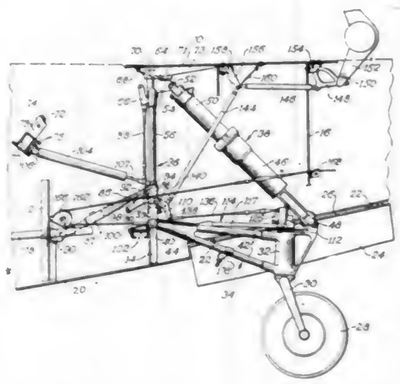
Application October 2, 1947, Serial No. 777,418
9 Claims. (Cl. 219—38)



7. A vaporizer of the class described comprising a large fluid container, a cap detachable with

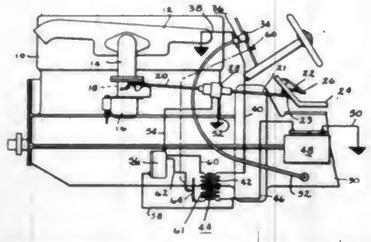
said container, means comprising an elongated tube mounted centrally of the cap and extending into said container forming an elongated restricted fluid chamber in said container, means on the cap and extending into said tube for electrically heating fluid in said chamber to generate vapors in the upper portion thereof, means on the cap forming a vapor chamber above said restricted chamber, and means comprising a perforated thimble placing the upper portion of the restricted chamber in communication with said vapor chamber.

2,454,658
TAIL WHEEL MECHANISM
Donald M. Leitch, Los Angeles, Calif., assignor to North American Aviation, Inc.
Application December 26, 1944, Serial No. 569,810
9 Claims. (Cl. 244—109)



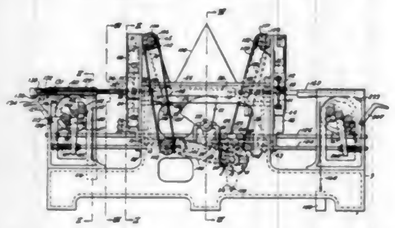
1. Tail wheel mechanism for aircraft having a fuselage; comprising a chassis formed at one end with a fork housing, a tail wheel fork journaled in said housing, a truss pivoted to the other end of said chassis, a shock strut pivoted at one end to the other end of said truss and at the other end to the chassis near said housing, thereby to provide a triangular assembly which is pivoted, near the pivot between said chassis and truss, for bodily swinging movement from an extended position in which the chassis is substantially horizontal to a raised, retracted position, means for establishing a latching connection between said assembly and said fuselage in the extended position in such a manner as to take the loads of ground operation, and means for establishing a latching connection between said assembly and said fuselage in the retracted position including a latch bolt slidably mounted in the upper end of said truss, coacting latch devices secured to the fuselage at spaced points and including means for automatically depressing said bolt as said assembly approaches each of its latched positions, an arm pivoted to the lower end of said truss, and operative connection between said arm and said bolt for retracting the bolt, and fixed means adapted to be engaged by said arm as said assembly swings from the projected to the retracted position, and to move said arm to bolt projecting position.

2,454,659
ELECTRICALLY CONTROLLED GOVERNOR
Charles A. Leonard, Cincinnati, Ohio
Application January 10, 1945, Serial No. 572,233
25 Claims. (Cl. 180—82.1)



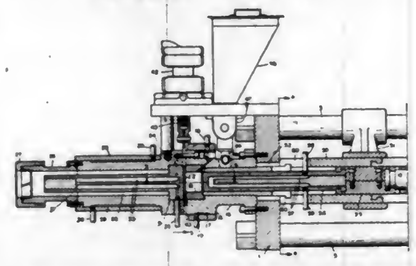
1. A governor for a power plant having a source of activating energy comprising means for making and breaking an electric circuit at a rate proportional to the speed of said power plant, and means operable in response to the said making and breaking for controlling the supply of activating energy to said power plant thereby to control the speed thereof, the said means being in one operative position for all rates of said making and breaking less than a predetermined rate and in another operative position for all rates of said making and breaking exceeding said predetermined rate.

2,454,660
NUT-SHELLING MACHINE
Everett P. Leonard, Fort Worth, Tex.
Application May 11, 1945, Serial No. 593,265
11 Claims. (Cl. 146—12)



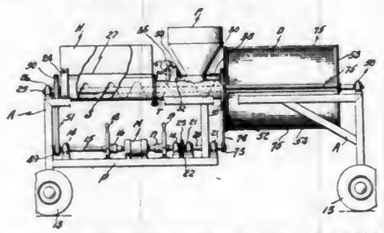
1. In a nut-shelling machine, in combination, a mounting frame, a first plunger having depressions at each end for receiving the end of an elongated nut at each end, a pair of retracting plungers aligned with the first plunger and designed to receive the other ends of the respective nuts that may be placed at the nut receiving ends thereof, radial cutters having their cutting edges spaced a lesser distance apart than the smaller diameter of a nut disposed adjacent and surrounding each nut receiving end of the retracting plungers, means for aligning a nut between one retracting plunger and one end of the first plunger, means for moving the first plunger a given distance through the space between the cutters toward one retracting plunger, whereby the nutshell is cut into strips, and the nut moves said one retracting plunger, means for substantially instantly arresting the movement of the said one retracting plunger when the first plunger is in a given position with reference to the mounting frame but is yet just short of the given distance of movement of the first plunger, whereby the strips of nutshell are broken into a plurality of pieces, means for aligning a nut between the other retracting plunger and the other end of the first plunger at the moment the first plunger has travelled its said given distance in the direction of the first retracting plunger, said means for moving the first plunger being operable to move it back the same given distance to its starting position whereby the second retracting plunger is similarly moved and a second nut is thus moved past the cutters adjacent the second plunger and the nutshell is cut into strips, means for substantially instantly arresting the movement of the said second retracting plunger when the first plunger is in a given position with reference to the mounting frame but is yet just a short given distance of return movement of the first plunger, whereby the strips of the shell of the second nut are broken into a plurality of pieces.

2,454,661
EXTRUSION MACHINE FOR PLASTIC MATERIAL
Nathan Lester, Shaker Heights, and William H. Schwartz, Cleveland, Ohio, assignors to Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application May 17, 1945, Serial No. 594,184
10 Claims. (Cl. 18—30)



1. In mechanism of the character described, the combination of an injection cylinder having a bore for the reception of plastic material, a gate controlling discharge of such material from such bore, a solid plunger reciprocable in such bore, and a tubular plunger surrounding said solid plunger and reciprocable in said cylinder towards and from such bore, said solid plunger in retracted position leaving an annular space through which plastic material may be supplied to such bore by reciprocation of said tubular plunger, such bore including a vent duct for permitting escape of gas from the material supplied to such bore.

2,454,662
DEVICE FOR MIXING FERTILIZER WITH SOIL AND SCREENING
James Marsh, Bay City, Mich.
Application September 14, 1945, Serial No. 616,279
10 Claims. (Cl. 209—236)

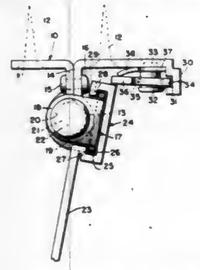


1. In a screening device of the character described, a mobile frame, a soil hopper mounted thereon, a screw conveyor in said hopper, a sifter drum in substantially horizontal alignment with the conveyor and into which said conveyor discharges, a fertilizer hopper interposed between the soil hopper and the drum, means operable by the conveyor flight for discharging predetermined quantities of fertilizer into said conveyor at predetermined intervals, a power plant, and independent driving means for drivingly connecting said screw conveyor and/or said sifter drum with the power plant, and driven means in said drum and rotatable in a direction opposite to the rotation of the drum for agitating and fluffing the soil as the mechanism is driven.

2,454,663
FLUORODIHALO ESTERS
Lawrence McGinty, Frodsham, Nr. Warrington, Cheshire, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 5, 1946, Serial No. 659,860
In Great Britain April 9, 1945
2 Claims. (Cl. 260—487)

1. New chemical compounds of the general formula $CH_2X'{\cdot}CX''F{\cdot}COOCH_3$ wherein X' and X'' are radicals from the group consisting of bromine and chlorine.

2,454,664
TAKEDOWN TYPE SWING-OUT-OF-THE-WAY WALL BRACKET
Robert E. McLean, Fort Benning, Ga.
Application November 6, 1946, Serial No. 708,169
8 Claims. (Cl. 248—289)

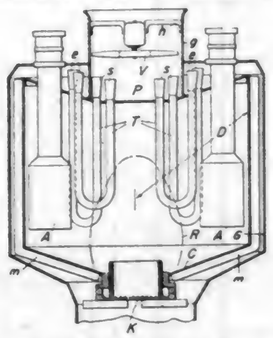


1. A support comprising a mounting plate, a member pivotally coupled with the plate and including a part having two parallel edges paralleling the pivot axis for said member, an arm, means at one end of the arm for slidably receiving said edges whereby the arm may swing with the member to a position in which is it perpendicular to the plate, means for locking the arm against movement longitudinally of said parallel edges when the arm is swung to the said position perpendicular to the plate, and means for securing the arm against swinging movement from the position in which it is perpendicular to the plate.

2,454,665
FLUID-COOLED CURRENT CONVERTER
Herman Mees, Lodelinsart, Belgium, assignor to Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium
Application July 9, 1946, Serial No. 682,259
In France July 11, 1945
9 Claims. (Cl. 250—27.5)

1. In a high-power mercury vapor current converter, a metallic tank, a cathode at the bottom

of said tank, whereby a zone of high mercury vapor pressure tends to be established above said cathode, an anode-carrying lid on said tank having the anodes arranged circularly thereon air



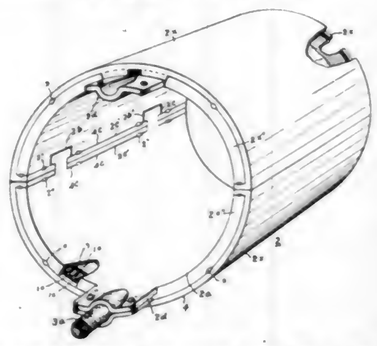
cooling means freely suspended from said lid located within said anodes and extending downwardly into the said zone whereby the tendency to build up high pressure in said zone is minimized.

2,454,666

APPARATUS FOR VULCANIZING FLEXIBLE TUBES

Howard I. Morris, San Marcos, Calif., assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio

Application September 21, 1945, Serial No. 617,807
1 Claim. (Cl. 18—18)



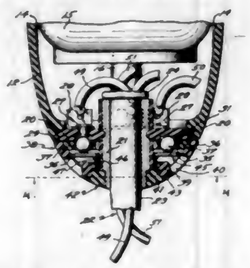
In apparatus of the class described, the combination of a mandrel formed of curvilinear sections adapted to be applied to the walls of a flexible tube, a pair of semi-circular, separable members in engagement with said mandrel, each of said members consisting of inner and outer semi-circular shells shaped to form a closed chamber therewithin, and means for connecting each end of one shell to the adjacent end of the other shell, separate means along the lateral sides of said members and within the outer surfaces of the outer shells for detachably connecting said members together, the outer surfaces of the outer shells forming a wall over which portions of the tube are folded, an electrical resistance mounted in said chamber of that member related to that portion of the tube to be treated, and having electrical terminals leading through one end wall of said member for connection to a source of electrical current supply, whereby the adjacent member may be heated, an elongated inflatable member formed of non-porous, non-resilient flexible material convolutely wrapped around the folded over portions of the tube, non-extensible means surrounding and removably binding said inflatable member while deflated in wrapped position, and a valve mounted in the outer end portion of said inflatable member adapted to be connected with a source of fluid supply under pressure, whereby said inflatable member may be inflated to effect inward radial pressure on the folded over portions of the tube against said heated member.

2,454,667

ATTACHMENT CORD ANCHORAGE WITH BALL CONTACT SWITCH

Shirley P. Morse, East Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland

Application June 7, 1945, Serial No. 597,998
6 Claims. (Cl. 200—157)



1. In a hand-maneuvered appliance to be supplied with current through an attachment cord, the combination of, a hollow appliance casing, a tubular conduit structure opening into said casing in a manner to admit and constrain an attachment cord entering the appliance, a wall extending crosswise said casing fixedly joining said conduit structure and said casing in substantially rigid relation, spaced current conductive contact balls shiftable simultaneously between circuit controlling spaced positions, a retaining head fixed on the outer end of said conduit structure, a hollow cup-shaped switch handle between said wall and said retaining head including means to impel said contact balls between their said positions, a current conductive pressor plate loosely contained in the hollow of said switch handle bearing against said balls, and a spring thrusting axially against said retaining head arranged to bias said pressor plate toward said balls.

2,454,668

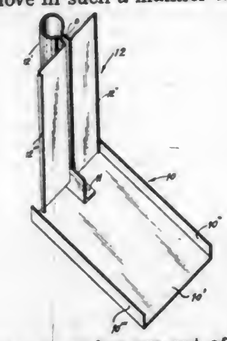
SANDPAPER HOLDER

Moses Daniel Nissenbaum, Brooklyn, N. Y., assignor to Jesse Howard and Lena Howard, copartners, doing business as Hardware Products Co., New York, N. Y.

Application October 30, 1945, Serial No. 625,466
4 Claims. (Cl. 51—187)

1. In a device for holding a sheet of sand paper or other sheet material, a sheet metal body member formed as a channel; the walls of the channel being perpendicular to the bottom of said channel, a clamping member of sheet metal, formed as a channel and positioned inverted over the body member with the side walls of the clamping member within the body member and in contact with the walls of said body member respectively and a lug extending from the bottom member of the body, positioned between the side walls of said body member; the clamping member being hingedly mounted on said lug, and adapted

when swung about the axis of such hinged connection to move in such a manner that the walls



of the clamping member are out of contact with respect to the side walls of the body member.

2,454,669

ANIMATED TOY BOOK

Eoina Nudelman, Chicago, Ill., assignor to Whitehall Publishing Company, Chicago, Ill., a corporation of Illinois

Application July 18, 1946, Serial No. 684,488
2 Claims. (Cl. 46—36)



1. In an animated picture a single page having different pictorial representations on opposite sides thereof, and a flat member mounted for limited pivotal movement on one side of said page and having its visible portions provided with a pictorial representation corresponding with and complementing the picture on the aforesaid side of the page, so as to produce an animated effect on its respective picture when rocked about its pivot, said rocking member also having portions extending through openings in said page, with those portions thereof visible from the opposite side of said page provided with pictorial representations corresponding with the picture on its respective side of the page, so as to produce an appropriate animated effect on the last-mentioned picture when said flat member is rocked.

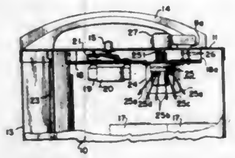
2,454,670

PORTABLE FLUORESCENT LAMP CONTROL SYSTEM

Israel Pollack, Brooklyn, N. Y., assignor to Paramount Industries, Inc., a corporation of New York

Application July 5, 1947, Serial No. 759,267
4 Claims. (Cl. 315—175)

1. A control system for a portable fluorescent lamp included in a housing and adapted to be energized selectively from self-contained battery means or from an external electric supply circuit, comprising: a unitary control panel including devices for starting the lamp, a switch having battery terminals and external supply circuit terminals and contact means movable therebetween and biased into engagement with said battery



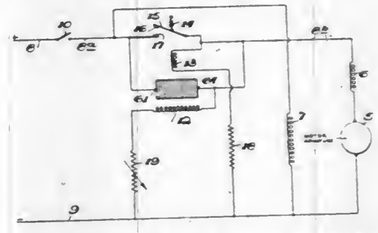
terminals, and an external circuit fixture connected to said supply circuit terminals and exposed to the outside of said housing; and an operating member for said switch normally covering said fixture but movable away therefrom to permit connection of an external line-cord fixture.

2,454,671

ELECTRIC MOTOR CONTROL

Jean M. Roberts, Ridgewood, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application May 20, 1943, Serial No. 487,783
4 Claims. (Cl. 318—278)

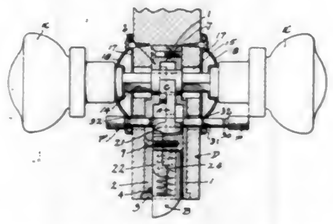


1. In combination with a motor armature and a source of current, means for inserting in series with said armature a continuously varying resistance of the class including a variable resistance carbon pile connected in series with the motor armature, a first member fixedly mounted at one end of said carbon pile, a second member adjustably bearing upon the opposite end of said carbon pile, an electromagnet connected across the motor armature circuit, an armature for said electromagnet, and a spring opposing movement of the last mentioned armature by the electromagnet; the improvement comprising a rod extending through said carbon pile and movably mounted therein, one end of said rod affixed to said armature adjacent said first member, a second spring positioned between the opposite end of the rod and said second member for applying an initial compressive force to said carbon pile which force increases with the electromagnetic force applied to said armature by the electromagnet so as to progressively decrease the resistance of said carbon pile.

3. A device of the character described, comprising, in combination, a variable resistance carbon pile, a first member fixedly mounted at one end of said carbon pile, a second member adjustably bearing upon the opposite end of said carbon pile, an electromagnet, an armature positioned between the fixed end of said carbon pile and said electromagnet and movable in response to

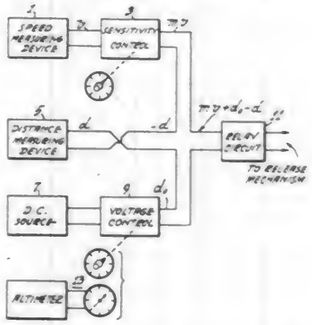
said electromagnet, a spring opposing the movement of said armature by the electromagnet, a rod extending longitudinally through said carbon pile and freely mounted therein, said rod connected at one end to said armature, and resilient means connecting the opposite end of said rod to the adjustable second member in such a manner as to effect a decrease in the resistance of the carbon pile in response to energization of the electromagnet.

2,454,672
DOOR LATCH
Lawrence L. Rosenthal, Los Angeles, and Robert B. Spencer, Huntington Park, Calif., assignors to Technical Glass Company, Los Angeles, Calif., a corporation of California
Application January 1, 1945, Serial No. 570,846
2 Claims. (Cl. 292—150)



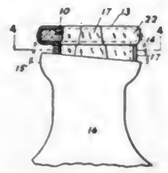
1. A door latch comprising: a housing, a knob rotatable on the housing and a bolt formed of longitudinally alined members, operatively connected for retracting said members together upon the turning of the knob, but permitting the independent retraction of the latching member without turning the knob, and two transversely disposed, coaxially aligned, latching members operable from opposite sides of the housing and having their adjacent ends arranged for selective engagement with the bolt for locking the same in extended or retracted positions.

2,454,673
RADIO BOMB RELEASE SYSTEM
Royden C. Sanders, Jr., Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 2, 1944, Serial No. 524,795
4 Claims. (Cl. 343—7)



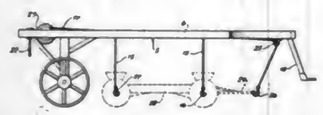
1. The method of providing response to the occurrence of a predetermined relationship between the speed of a mobile craft with respect to a reflecting object and the distance of said craft from said object, comprising the steps of producing a first voltage having a magnitude bearing a predetermined relationship to said speed, producing a second voltage having a magnitude bearing a second predetermined relationship to said distance, combining said first and second voltages to produce a resultant voltage, and producing a response to the attainment by said resultant voltage of a predetermined magnitude.

2,454,674
RECEPTACLE AND CLOSURE THEREOF
Wendall H. Schrader, Des Plaines, Ill.—
Application March 7, 1946, Serial No. 652,638
4 Claims. (Cl. 215—38)



1. The combination with a container having a mouth and a neck provided with an annular groove of variable height and depth on its outer circumference, having an upper and lower surface, the lower surface formed at an angle to said neck portion, said lower surface of said groove forming an upper surface for a shoulder, the upper surface of said groove being substantially in the same plane as the mouth and top surface of the container while said shoulder is of an inclined contour relative to said mouth, and a closure including a top and a depending skirt of uniform length with a peripheral edge, said skirt having folds extending longitudinally thereof, a portion of said skirt with the folds being compressed within said groove, with its peripheral edge in contact with said inclined surface of the shoulder, thereby creasing said folds circumferentially and preventing the expansion of said fold and the withdrawal of said skirt and folds from said groove.

2,454,675
DISK HARROW CARRIER
Galen R. Showalter, Roanoke, Va.
Application May 6, 1946, Serial No. 667,559
2 Claims. (Cl. 214—75)

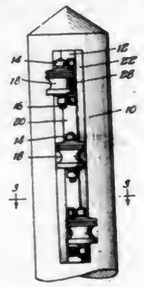


1. A trailer comprising a frame, pulleys journalled at the sides of the frame with their axes inclined forwardly of the frame, a single pulley at one end of the frame, a drum mounted at an opposite end of the frame, a main cable attached to the drum for winding thereon and trained over said single pulley, and branch cables attached to the main cable and trained over said side pulleys, said cables being adapted for attaching to an object for hoisting the same into position under the frame.

2,454,676
ADHESIVE COMPOSITIONS
Norman A. Skow, Strafford, Pa., and Charles J. Seiler, Bloomfield, Richard A. Oriani, Montclair, and Joseph S. Whitaker, East Orange, N. J., assignors to the United States of America as represented by the Secretary of War
No Drawing. Application August 29, 1945, Serial No. 613,448
3 Claims. (Cl. 106—240)

1. A slow aging adhesive capable of attachment to wet and oily surfaces and of supporting substantial loads for an extended period of time from the instant of application, said adhesive consisting of the following ingredients substantially in the proportions specified, limed rosin 31.9%, triethyleneglycol di-2-ethylbutyrate 30.1%, ground asbestos 9.5% and bentonite 28.5%.

2,454,677
SECONDARY RACK
Burt M. Smalley, Chicago, Ill., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill., a corporation of Illinois
Application April 8, 1946, Serial No. 660,398
6 Claims. (Cl. 174—149)



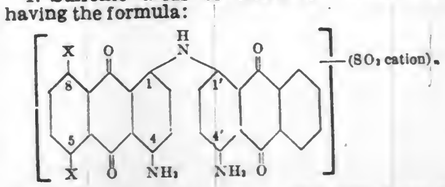
1. A secondary rack comprising a back of elongated configuration having a longitudinal channel portion, a plurality of spaced insulator support pins mounted on said channel portion with the bases of all said pins being substantially in alignment, and a plurality of insulators mounted on said pins, said back having two mounting holes for receiving screws, each of said holes being positioned between and in alignment with the bases of a pair of said pins supporting an end insulator, the end pairs of pins being so arranged that said end insulators are displaced from a plane normal to the surface of said channel portion whereby screws may be inserted in said mounting holes without removal of said insulators.

2,454,678
MIXTURE OF A POLYVINYL ACETAL WITH A DIISOCYANATE-MODIFIED POLYESTER OR POLYESTER-AMIDE
Walter Fairbairn Smith and Henry George White, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 15, 1946, Serial No. 648,002. In Great Britain February 28, 1945
4 Claims. (Cl. 260—45.4)

1. A product comprising 15 to 200 parts of polyvinyl formal and 100 parts of a reaction product of a hydrocarbon diisocyanate and a linear polymer selected from the class consisting of polyesters containing recurring intralinear carboxylic ester groups and polyester-amides containing recurring intralinear carboxylic ester groups and recurring intralinear carbonamide groups, the ratio of said ester groups to said carbonamide groups being at least 1:1.

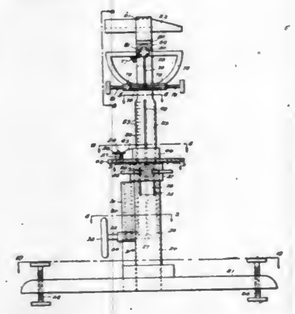
2,454,679
GRAY ACID ANTHRAQUINONE DYESTUFFS
Glen M. Smyth, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 11, 1946, Serial No. 696,381
4 Claims. (Cl. 260—367)

1. Sulfonic acids of triamino dianthrimides having the formula:



in which one X stands for a hydrogen atom and the other X for an amino group, the cation is selected from the group consisting of hydrogen and alkali metals, and *n* is a whole number included in the group consisting of 1, 2 and 3.

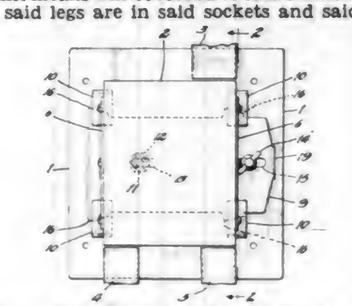
2,454,680
POST-ADJUSTING MEANS FOR WIRE AND NAIL DIRECTING APPARATUS
Marion F. Stephens, Sullivan, Ind.
Application January 22, 1945, Serial No. 573,954
4 Claims. (Cl. 248—161)



1. In an apparatus of the class described, a post, a bearing rotatably mounting said post, a track concentric with said bearing means fixedly securing said track to said bearing, one radial arm connected with said post for rotation with the latter, said one arm extending to said track, a second radial arm circumferentially spaced from said one arm and having a hub rotatably surrounding said post, means connecting the two aforesaid arms with each other and effective to cause said second arm to move with said one arm while said post is being turned in said bearing to an approximate desired position, and means for securing said second arm to said track after said post has been turned to said approximate position, said arm-connecting means including manually operable adjusting means for moving said one arm toward or from said second arm after the latter has been secured to said track, to obtain a fine angular adjustment of said post.

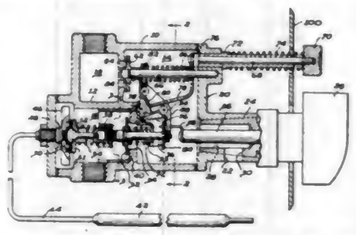
2,454,681
CLAMPING APPARATUS
Fred E. Wallin, St. Louis, Mo., assignor to National Slug Rejectors, Inc., St. Louis, Mo., a corporation of Missouri
Application October 15, 1945, Serial No. 622,437
3 Claims. (Cl. 248—225)

1. A clamping apparatus comprising a fixed frame means having a plurality of sockets therein, a lock member slideably positioned on said frame means, said member provided with a plurality of integral wedge-shaped projections corresponding in number and positioned to intersect said sockets when said member is moved in one direction, removable unit means including a plurality of projecting legs corresponding in number and position to engage said sockets whereby said unit means will be locked to said frame means when said legs are in said sockets and said lock



member is moved in one direction to engage its said wedge-shaped projections with said legs.

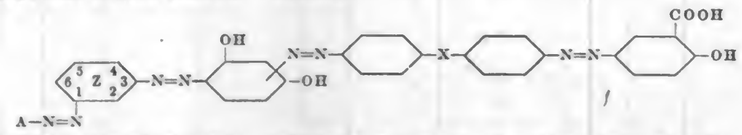
2,454,682
TEMPERATURE CONTROLLING DEVICE
Victor Weber, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application September 28, 1944, Serial No. 556,209
9 Claims. (Cl. 236—99)



1. A temperature control apparatus for dual burners comprising a casing having a fuel chamber with separate outlets for the burners, a valve movable between open and closed positions relative to one of said outlets, a thermostatic operator for said valve, an auxiliary valve movable between open and closed positions relative to the other said outlet and being biased toward closed position, manually operable means for opening said auxiliary valve, latching means operatively associated with said manually operable means for maintaining said auxiliary valve open, and means carried by said thermostatic valve for releasing said latching means and causing said auxiliary valve to close under said bias upon movement of said thermostatic valve toward closed position.

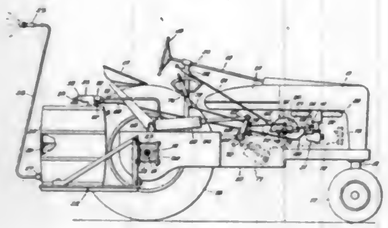
2,454,683
METALLIZABLE POLYAZO DYESTUFFS
Walter Wehrli and Charles Petitjean, Basel, Switzerland, assignors to Sandoz Limited, Basel, Switzerland
No Drawing. Application April 12, 1946, Serial No. 661,863. In Switzerland April 16, 1945
6 Claims. (Cl. 260—166)

1. A metallizable polyazo dyestuff of the formula



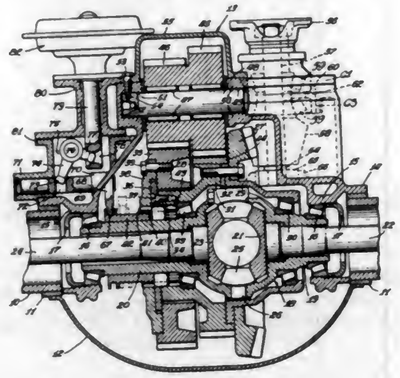
wherein A stands for a radical free from diazotizable amino groups and containing no carbon atoms capable of coupling, this radical being selected from the group consisting of substituted and unsubstituted benzene and naphthalene radicals, the benzene nucleus Z contains one hydroxy group in ortho-position to the azo group present in position 3, the free positions of the benzene nucleus Z being substituted by a member selected from the class consisting of hydrogen and alkyl, and X stands for a member selected from the group consisting of —NH.CO— and —CO.NH—.

2,454,684
TRACTOR POWER DEVICE
Russel D. Acton, Chicago, Ill.
Application November 22, 1946, Serial No. 711,595
7 Claims. (Cl. 230—38)



1. A power take-off device for a tractor having a power plant having an engine, a carburetor and a manifold, a power lift arm, and a power supplying device operable by the power plant of the tractor to operate said power lift arm, an oscillating control lever operatively associated with said power supplying device for causing the movement of said arm in opposite angular directions, and in combination therewith, a reciprocable working member mounted on the tractor and connected to the power lift arm for movement thereby, a motor mounted on the tractor and operated from the power plant thereof, said motor having an oscillating operating arm, and means for connecting said motor arm to the control lever for the power supplying device.

2,454,685
DRIVE AXLE FOR VEHICLES
Frank W. Avila, Columbia City, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application September 28, 1946, Serial No. 700,046
6 Claims. (Cl. 74—327)



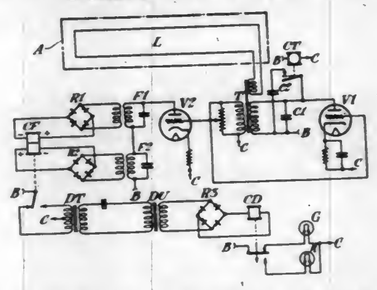
1. A dual ratio mechanism for axle structures comprising, in combination with an axle housing having a differential carrier rotatably mounted therein and drive axles extending from said differential carrier, axially spaced bearing assemblies mounted on said carrier, an auxiliary carrier rotatably mounted on said bearing assemblies, a driven gear fixed to said auxiliary carrier, a first spur gear also fixed to said auxiliary carrier adjacent the driven gear, a second spur gear adjacent said first spur gear and journaled on the auxiliary carrier, a gear cluster including two gears in engagement with said spur gears, an axially shiftable sleeve mounted on and for rotation with the differential carrier at the side thereof at which said gears are located, a dental clutch element carried by said sleeve, a first dental clutch member formed on said auxiliary carrier adapted to be engaged by the dental clutch element on said sleeve, a second dental clutch member secured to the second spur gear, said second dental clutch member being engageable by the dental clutch elements on said sleeve, and means to move said sleeve axially of the differential carrier to engage either the first or the second dental clutch member, sufficient space being provided between said dental clutch members to provide a neutral position for said sleeve.

2,454,686
VARIFOCAL LENS FOR CAMERAS
Frank G. Back, New York, N. Y.
Application July 30, 1946, Serial No. 687,135
7 Claims. (Cl. 88—57)



1. A varifocal lens construction for motion picture cameras, comprising a fixed outer barrel, a fixed inner barrel and a longitudinally movable intermediate barrel disposed between said outer and inner barrels, a front lens assembly and a rear relay lens assembly carried by said fixed outer barrel, an erector lens assembly carried by said fixed inner barrel, and a variator lens assembly and a compensator lens carried by said movable intermediate barrel, said variator lens assembly being disposed between said front and erector lens assemblies and said compensator lens being disposed between said erector and relay lens assemblies.

2,454,687
APPROACH SIGNAL SYSTEM
George W. Baughman, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 13, 1947, Serial No. 768,289
5 Claims. (Cl. 177—352)

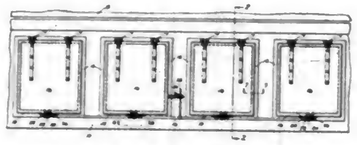


4. A system for detecting the presence of a vehicle in a protected area comprising a conductor normally energized by alternating current and arranged in the form of a loop surrounding at least a portion of said area to create a magnetic field which varies in the presence of a vehicle therein, an electron tube oscillator normally supplied with energy and having a resonant output circuit coupled to said loop for supplying said alternating current thereto and having an input circuit coupled to said resonant circuit to maintain the tube in oscillation at a frequency corresponding to the natural period of said resonant circuit, coding means for periodically varying the natural period of said resonant circuit to cause the frequency of the current supplied to the loop to alternate between two closely related frequencies both of which are subject to variation in the presence of a vehicle in said area, a sensitive relay, two frequency responsive circuits energized by said oscillator for supplying currents differentially to said relay to effect its operation in opposite directions depending upon whether the frequency of the current supplied thereto is above or below the mean of said two frequencies, a detector relay, means for selectively energizing said detector relay in response to the periodic operation of said sensitive relay, and traffic governing means controlled by said detector relay.

2,454,688
HATCH COVER AND MEANS FOR LOCKING THE SAME
Wilfred A. Beauchamp, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 25, 1944, Serial No. 555,730
12 Claims. (Cl. 105—377)

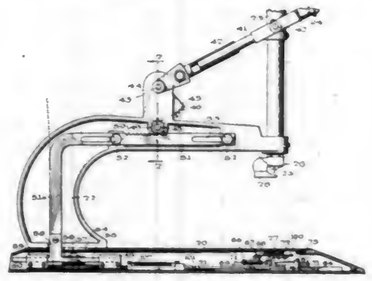
1. In a covered railway hopper car having a roof formed with a series of spaced hatches and hatch frames secured to said roof around said hatches, covers hingedly secured to said hatch frames, locking means pivotally fastened to the free ends of said covers, members secured to said hatch frames, said members having locking detents, a shaft rotatably supported by said mem-

bers below said detents, a lever secured to said shaft for imparting rotation thereto, and a plurality of fingers secured to said shaft adjacent to



said detents, said fingers lying on opposite sides of and being engageable with said locking means when the latter are engaged with said detents, and means for locking said shaft against rotation.

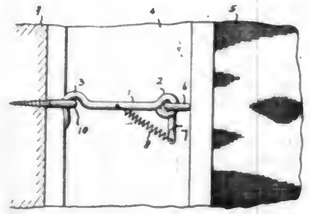
2,454,689
KNOT TYING MECHANISM
Robert L. Dashew, deceased, late of Baltimore, Md., by Ruth L. Dashew, administratrix, Pittsburgh, Pa.
Application January 25, 1945, Serial No. 574,529
3 Claims. (Cl. 289—2)



1. In a knot tying machine, a pair of rotatable, pivotally associated jaws, a shaft, an arm on said shaft, a thread engaging member on said arm located below said jaws, means for rocking said shaft to move said member in one direction to engage a thread at one side of said jaws and to move said member in the opposite direction to draw the thread past and beneath the jaws to the opposite side of the latter, a second thread engaging member located above and at the first mentioned side of the jaws, means for revolving the jaws to engage the thread at a point intermediate the jaws and upper thread engaging member to loop the thread around the jaws, means for opening and closing said jaws to grip the thread at a point intermediate the loop and the lower thread engaging member, and a plate movable longitudinally of the jaws and engageable with said thread to remove said loop from around the jaws, and means for maintaining said jaws closed during removal of the loop whereby the thread held between said jaws is drawn through the loop.

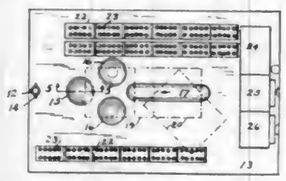
2,454,690
DOOR HOOK
Troy O. Dean, Houston, Tex.
Application June 18, 1945, Serial No. 600,011
1 Claim. (Cl. 292—128)

A fastener for doors comprising, an elongated hook shank having an eye at one end and a hook at the other end, an eye formed with an extended threaded shank, said eye being provided with an extended arm disposed at substantially right angles to the plane of the eye, said eyes being linked together and a pull spring one end of which is



connected to the free end of said arm and whose other end is connected to said shank of the hook.

2,454,691
CARD SHUFFLING AND PLACEMENT BOARD
Martin A. Ellingson, McCook, Nebr.
Application August 4, 1944, Serial No. 548,033
2 Claims. (Cl. 273—149)

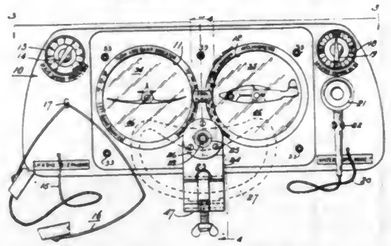


1. A device for use in shuffling cards, comprising a board having a plurality of depressed areas, two of which are so spaced that the distance between their farthest outer edges is greater than the width of a playing card, the distance between their inner edges being less than the width of a playing card, and two other depressed areas positioned on the perpendicular bisector of the line joining the centers of the first mentioned depressions, the maximum distance between the farther outer edges of the depressions on the perpendicular bisector being substantially equal to twice the length of the cards, one of the last named depressed areas having a length slightly greater than the length of the cards.

2,454,692
PREPARATION OF TOCOPHEROL CONCENTRATE
Norris D. Embree and Noel H. Kuhrt, Rochester, N. Y., assignors to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
No Drawing. Application May 31, 1946, Serial No. 673,616
5 Claims. (Cl. 260—333)

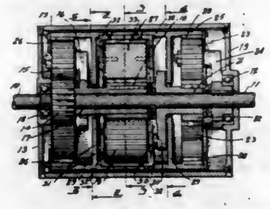
4. The process of preparing a tocopherol concentrate from deodorizer sludge and similar material obtained in the gas carrier treatment of tocopherol-containing glyceride oils which comprises dissolving the sludge in liquefied propane, heating the resulting solution to its phase point temperature, whereby there is produced a liquid propane phase rich in tocopherol and another liquid phase less rich in tocopherol, separating the tocopherol-rich phase from the phase less rich in tocopherol and removing the propane content of the tocopherol-rich phase.

2,454,693
AIRPLANE CONTROL TOY
Charles H. Foster, New York, N. Y.
Application August 9, 1948, Serial No. 43,264
1 Claim. (Cl. 46—1)



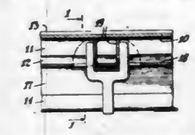
An airplane control toy comprising a panel having a pair of spaced openings therethrough, a back member spacedly attached to and positioned behind and substantially parallel to said panel, a pair of spaced turntables rotatably attached to said back member and respectively positioned behind said spaced openings of the panel, said turntables each bearing a representation of an airplane, a plate attached to said panel, a sleeve attached to the face of said plate, a column having its rear portion movably positioned within said sleeve, a handle attached to the front end of said column, an angular extension attached to the rear portion of said column and extending rearwardly therebeyond, a pivot member pivotally attached to said back member and having a plurality of gear teeth, an undercarriage attached to the surface of one of said turntables, said undercarriage having a plurality of gear teeth engaging the gear teeth of said pivot member, said pivot member having a key-way, said angular extension extending into said key-way, said handle adapted to turn and upon being turned adapted to move said column, said angular extension, said pivot member and the turntable geared thereto to move said airplane representation thereon, a cord attached at one end to said column and at the other end to the other of said turntables, said handle upon being moved forwardly moving the column likewise and pulling the cord whereby to turn the other turntable and move the airplane representation thereon, a spring member attached to said other turntable to move the turntable in the reverse direction when the handle is moved rearwardly.

2,454,694
AUTOMATIC FLUID CONTROLLED TRANSMISSION
Robert F. Grebb, Boise, Idaho
Application July 9, 1945, Serial No. 603,921
2 Claims. (Cl. 74—293)



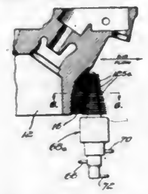
1. An automatic power transmission comprising: a drive shaft; a drive gear on said drive shaft; a first set of planet gears surrounding and in mesh with said drive gear; a first planet gear spider supporting said first planet gears; a hub on said spider; a sun gear mounted on said hub; a second set of planet gears surrounding and in mesh with said sun gear; a second planet gear spider supporting said second set of planet gears; a driven shaft operatively connected with said second spider; a drum surrounding all of said gears; a first ring gear positioned in and carried by said drum in mesh with the first set of said planet gears; a second ring gear fixed in said drum in mesh with said second set of planet gears; and an annular side plate secured to and extending inwardly from said drum at each side of said second set of planet gears; an annular rotatable ring plate positioned inside of each side plate and forming a continuation thereof to form, in combination with said side plates, a fluid chamber to retain fluid about said second planet gears and said second ring gear.

2,454,695
FASTENING MEANS AND COMBINATION
Samuel Hammer, New York, N. Y., assignor to United Metal Box Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 14, 1944, Serial No. 549,445
12 Claims. (Cl. 189—34)



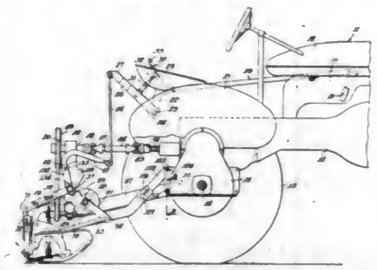
1. A panel fastener comprising a frame to receive the panel to be fastened, a shoulder carried by the frame at one edge thereof to engage one side of the panel, a U formed at the other edge of the frame, an angle member received in the U providing an inwardly extending flange spaced from the shoulder on the frame, at least one bendable tongue carried by the flange and adapted to be bent into contact with the panel to secure the same to the frame between the shoulder and the bent tongue.

2,454,696
ENGINE COOLING MEANS
Axel L. Highberg, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 6, 1944, Serial No. 566,870
3 Claims. (Cl. 123—171)



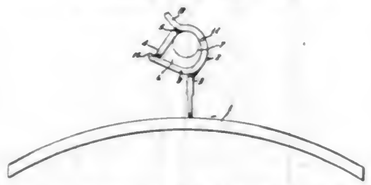
1. In an internal combustion engine having a cylinder provided with cooling fins and having a variable speed fan for moving a stream of cooling air through said fins, thermostatic means for controlling the speed of the fan including a heat absorbing chamber containing a temperature expansible fluid and located in the cooling stream set up by the fan, said heat absorbing means being located in the lee of the cylinder relative to said cooling air stream and having external heat conducting fins the adjacent peripheral portions of which are interleaved with the cooling fins of the cylinder.

2,454,697
TRACTOR MOWER
Samuel E. Hilblom, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 18, 1943, Serial No. 506,661
1 Claim. (Cl. 56—25)



In a mower adapted to be quickly attached to a tractor; the tractor being provided with horizontally and vertically spaced cap screws on a fixed portion thereof; the combination comprising: a transversely disposed frame spaced rearwardly of the tractor; a cutter bar connected to said frame and extending outwardly with respect thereto; means for connecting said frame to the tractor whereby said cutter bar extends laterally outwardly with respect to the tractor including arms fixed to said frame and extending forwardly thereof in substantial alignment with certain of said cap screws; said arms having V-shaped slotted openings in one end thereof with the wide portions of said openings at the forward ends of the arms, whereby the arms at their openings may easily engage the aligned cap screws; combination brace and implement supporting members pivotally attached to the spaced arms; said members including portions extending above and below said pivotal attachment and having a V-shaped notch in the upper portion of each such member; said combination members being adapted, in one position, to have their lower portions engage the ground for supporting the arms fixed to the frame in a substantially aligned position with respect to certain of the cap screws prior to attachment to a tractor, and, in another position, to have the upper portions thereof swung into engagement with the vertically spaced cap screws on the tractor whereby the ground engaging portion is supported in an out of ground engaging position.

2,454,698
HOOK GUARD
Hans Hippler, North Hollywood, Calif.
Application March 18, 1947, Serial No. 735,476
4 Claims. (Cl. 223—85)



1. A garment hanger hook having a crown, a point and a shank, a guard therefor comprising a substantially U shaped member having a crown and upper and lower legs, a pivotal connection between the upper leg of said member and said hook at the shank side of the apex of the crown of said hook, said member being movable to one position where said upper leg conforms to the crown of said hook with said lower leg obstructing the gap of said hook, said member being movable to another position where the pole entrance to said member between said legs overlaps the pole entrance to said hook, and means operative upon movement of said member to said one position for retaining same in said position.

2,454,699
COMPOSITE CHAIR
Frederic Hirsch, New York, N. Y., assignor, by mesne assignments, to Astra Bent Wood Furniture Company, New York, N. Y., a partnership
Application February 12, 1945, Serial No. 577,532
5 Claims. (Cl. 155—194)



1. A composite chair, comprising in combination: a member which comprises two seat supporting portions substantially parallel and spaced from each other for a distance and horizontally disposed for providing a seat support, two front legs integrally connected to an end of said seat supporting portions and at right angle therewith, two back portions integrally connected to the other end of said seat supporting portions and at right angle therewith and arranged in an upward direction therefrom, and a back connected to said back portions and extending therebetween; a second member which comprises two portions substantially parallel and spaced from each other for the same distance as said seat supporting portions of said first member and each disposed below a seat supporting portion of said first member and detachably connected with relation to the underside thereof and forming a small angle therewith, two rear legs integrally connected to an end of said two portions and at right angle therewith, and a connecting portion integrally extending between said two portions and connecting the other ends thereof and horizontally disposed below said two seat supporting portions of said first member and spaced therefrom and adjacent said front legs of said first member and detachably connected with relation thereto; and a seat secured to the upper side of said seat supporting portions of said first member.

2,454,700
DUPLICATING INKS
Melville J. Holik, Berwyn, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application April 15, 1946, Serial No. 662,400
3 Claims. (Cl. 106—22)

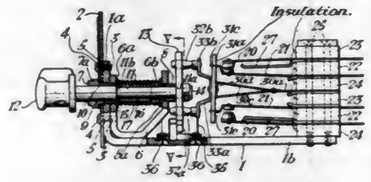
1. A duplicating ink comprising a mixture of dyes in proportionate amounts in parts by weight as follows: crystal violet 6 to 8, chrysoidine 12 to 17, brilliant green 10 to 15, rhodamine 6 to 9, basic brown 9 to 13.

2,454,701
LEVER
William A. Hyland, Horicon, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Application December 13, 1945, Serial No. 634,815
6 Claims. (Cl. 74—523)



1. A lever comprising a lever handle having an opening therethrough, a generally U-shaped attachment clip disposed in said opening and having shouldered portions disposed at one side of said lever handle, a hand grip extending through said opening and between the sides of said U-shaped member, and a pivot member connecting the hand grip to the U-shaped member and disposed adjacent the other side of said lever handle for holding the grip and U-shaped member in position on the lever handle.

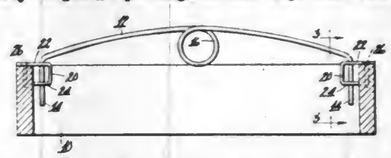
2,454,702
CIRCUIT CONTROLLER
Glen V. Jefferson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 23, 1946, Serial No. 649,599
5 Claims. (Cl. 200—1)



1. A circuit controller comprising an operating shaft rotatable between an intermediate and two extreme positions and movable longitudinally between an intermediate and two extreme positions, means biasing said shaft to its intermediate longitudinal position, cam means including a cam plate secured to said shaft, contacts operated to different positions by said cam means in response to rotation of said shaft between its intermediate and two extreme positions, and other cam means formed in part on said cam plate for preventing rotation of said cam shaft between its intermediate and its one extreme angular position except when said shaft is moved to its one extreme longitudinal position and for preventing rotation of said cam shaft between its intermediate and other extreme angular position except when said shaft is moved to its other longitudinal extreme position.

2,454,703
SPRING CONSTRUCTION
Joseph O. La Fond, Gardner, Mass.
Application November 7, 1946, Serial No. 708,357
2 Claims. (Cl. 267—1)

1. A spring construction for cushioned upholstered furniture or the like comprising a length of wire having a vertical coil intermediate its ends, the ends being down-turned, and a pair of spaced substantially U-shaped clips, each clip having a short and a long leg, each long leg being secured to a support with the short leg depending into engagement with the support, the closed end of the U being spaced from the support, and vertically aligned openings in the legs between the



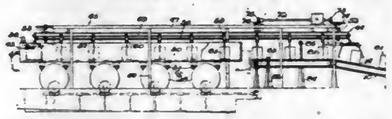
closed end of the U and the support receiving one of said down-turned ends.

2,454,704
METHOD AND APPARATUS FOR COOLING PRODUCE BY ALTERNATE DIPPING AND DRAINING
Floyd J. McMichael, Orlando, Fla.
Application October 2, 1944, Serial No. 556,843
8 Claims. (Cl. 62—170)



1. The method of treating comestibles which comprises introducing into a cooling zone including a pool of liquid refrigerant a suspended comestible mass penetrable by said liquid refrigerant, moving said mass through said zone, and, while it is moving through said zone, alternately lowering and submerging said mass beneath the surface of said refrigerant so that the refrigerant will enter into said mass and wet the comestibles and raising the mass from the lowest points of submersion sufficiently to permit drainage of refrigerant therefrom.

2,454,705
METHOD AND APPARATUS FOR COOLING PRODUCE BY ALTERNATE DIPPING AND DRAINING
Floyd J. McMichael, Orlando, Fla.
Application November 9, 1944, Serial No. 562,636
8 Claims. (Cl. 62—170)

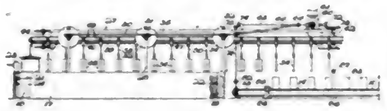


1. The method of treating comestibles which comprises introducing said comestibles while suspended from above into a cooling zone including a pool of liquid refrigerant, and moving said comestibles through said zone and, while said comestibles are in transit therethrough, alternately raising and lowering said pool bodily and thereby dipping the comestibles in said pool and retracting the pool sufficiently from its highest points of elevation to permit drainage of refrigerant from said comestibles.

2,454,706
METHOD AND APPARATUS FOR COOLING PRODUCE BY ALTERNATE DIPPING AND DRAINING
Floyd J. McMichael, Orlando, Fla.
Application November 9, 1944, Serial No. 562,637
7 Claims. (Cl. 62—104)

1. The method of treating comestibles which comprises introducing said comestibles into a

cooling zone including a pool of liquid refrigerant while suspended from above at points substantially in a plane common to all of said points, maintaining all of said suspension points in said plane, and moving said comestibles through said



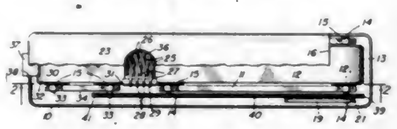
zone and, while they are moving therethrough, alternately raising and lowering said points and thereby dipping said comestibles in said pool and raising them sufficiently from the lowest points of dipping to permit drainage of refrigerant therefrom.

2,454,707
MOUNTING FOR SPINNING RINGS AND THE LIKE
George L. Meyers, Willoughby, and John C. Shutt, Wickliffe, Ohio, assignors to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio
Application August 23, 1946, Serial No. 692,650
6 Claims. (Cl. 57—122)



1. In mechanism of the character described, the combination with a support having an opening and a ring adapted to be mounted in such opening, of a grommet of resilient material interposed between said ring and the edge of such opening, said ring being formed with an encircling recess and said grommet with an inwardly directed rib adapted to seat in such recess and with a peripheral groove adapted to engage such edge.

2,454,708
APPARATUS FOR HEATING CERAMICS
John M. Middleton, Harrisburg, Pa., assignor of fifty per cent to A Glyn Francis, Camp Hill, Pa.
Application August 15, 1947, Serial No. 768,759
2 Claims. (Cl. 25—142)

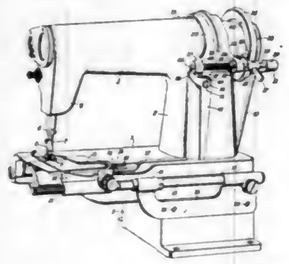


1. An apparatus or machine for the manufacture of ceramics such as brick, tile, pottery and allied products, consisting of an enclosure, a horizontal conveyor supported within the enclosure, means for driving said conveyor, said enclosure having a receiving opening at the receiving end of the conveyor for receiving the crude products shaped and cut to size thereon continuously, a dehydrating means consisting of infra-red lamps positioned at the top of the housing over said conveyor, for driving the moisture therefrom and drying said ceramics, a high frequency induction coil positioned at the discharge end of said conveyor within said housing, an exhaust outlet at the top of the housing over said heating coil, said enclosure having rollers at the bottom thereof between said coils along which the ceramics are passed through the coils from the conveyor to instantaneously bake the same, a second conveyor receiving the ceramics from the coil, means for discharging the ceramics from the end of the enclosure, and means associated with the first driving means for driving said second conveyor.

2,454,709
ALGINATE IMPRESSION MATERIAL CONTAINING CHROMIC SULFATE
Eugene J. Molnar, Toledo, Ohio, assignor to Montclair Research Corporation, a corporation of New Jersey
No Drawing. Application January 9, 1946, Serial No. 640,135
12 Claims. (Cl. 18—47)

1. An impression material comprising water soluble alginate and a green chromic sulphate in proportions to give gel structure when set from a paste with water.

2,454,710
STOP MECHANISM FOR SEWING MACHINES
Walter Myers, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application June 12, 1945, Serial No. 598,949
3 Claims. (Cl. 112—219)

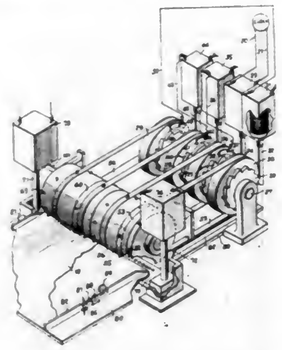


1. A unitary stop mechanism attachment adapted for use on a sewing machine having a belt-driven rotary actuating member, comprising, a supporting bracket formed with a guide-slot, a belt-shipper rod provided with a notch and journaled in said supporting bracket for endwise movement into a machine-stop position and a machine-running position, a belt-engaging member fixed on said rod, a brake-element also fixed on said rod, a latch pivotally mounted on said supporting bracket and adapted to enter the notch in said belt-shipper rod to hold said rod in its machine-running position, a spring for biasing said rod into its machine-stop position, in which position the brake-element is adapted to engage said belt-driven rotary actuating member, and a guide carried on said rod and cooperating with said guide-slot for maintaining said belt-engaging member in cooperative relationship with the belt.

2,454,711
MEANS FOR USE IN COMPUTING ELAPSED TIME AND THE LIKE
George W. Odell, Rutherford, N. J.
Application April 21, 1943, Serial No. 483,913
7 Claims. (Cl. 346—104)

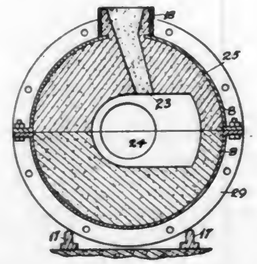
7. Apparatus for producing a pattern of the numerical value of an interval in an incremental

progression comprising, in combination, pattern-forming means representing collectively the numerical values of successive stages in said progression, said means being adjustable whereby a selection of said means may be coordinated to represent respective stages in said progression; adjusting means to adjust the pattern-forming means progressively into positions at a pattern-



forming station, in successive coordinations representing consecutive stages in said progression; means for presenting a pattern-receiving medium at said station; and operating means to cause selected coordinations of pattern-forming means to form on said medium patterns of respective stages in said progression, correlated in a physically-operable pattern of the numerical value of the differential between said stages.

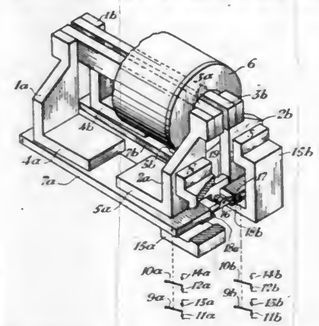
2,454,712
MOLD FOR PRODUCING CRANKSHAFTS
Ivan Olsen, Muskegon, Mich.
Application January 12, 1945, Serial No. 572,528
1 Claim. (Cl. 22—130)



A crank shaft mold comprising, a plurality of open end cylindrical mold boxes secured together end to end, each mold box comprising a pair of semi-cylindrical flasks secured together, a sand mold and mold cavity within each mold box for forming one crank arm and the adjacent cylindrical portions of the crank shaft, the parting line between the flasks being coincident with the angle of the crank arm and a sprue opening extending from the exterior of each mold box to the mold cavity therein, the mold boxes being secured together so that the parting line of the flasks lie in different angular planes with respect to the central axis of the crank shaft.

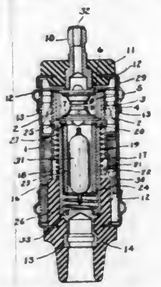
2,454,713
POLARIZED ELECTRICAL RELAY
Thomas J. O'Meara, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 17, 1944, Serial No. 559,076
10 Claims. (Cl. 175—339)

1. A relay comprising two pairs of pole pieces, means including an energizing winding and a back strap for supplying flux to the pole pieces of both pairs, two armatures one pivotally mounted for swinging movement toward and away from the pole pieces of each pair, two permanent magnets one secured directly to the pole piece located at the free end of each armature and having its



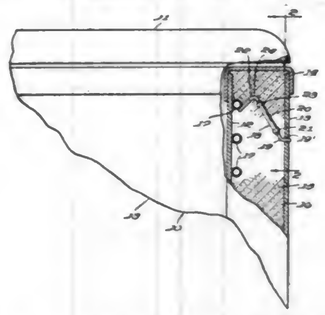
one pole disposed in such a position with respect to the associated armature that when it is swung away from the associated pole pieces it will be swung toward said one pole of the associated magnet, and mechanical means effective upon the picking up of either armature for locking the other armature in its released position.

2,454,714
CONVERTER FOR IGNITION SYSTEMS
Joseph T. Osterman, Northampton, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application November 9, 1946, Serial No. 709,021
12 Claims. (Cl. 315—57)



1. In a device of the character described, a tubular casing, molded cap members of insulating material adapted to overlie the opposite ends of said casing, said cap members having inserts forming terminal members for connection to leads of an ignition system, and also having flanged inserts secured to said casing for securing said terminals and cap members in position thereon, spark gap, and a transformer comprising primary and secondary coil members in said casing for forming a high frequency converter adapted to be interposed in the ignition lead of an internal combustion engine.

2,454,715
DEVICE FOR PREVENTING EXCESSIVE CONDENSATION IN THE INSULATING SPACE OF REFRIGERATORS
John S. Palmer, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 8, 1946, Serial No. 653,045
9 Claims. (Cl. 62—89)



1. A refrigerator wall construction having inner and outer walls forming an insulating chamber, a heat insulating material disposed within said chamber, a cooling element for cooling said chamber, and a conduit in communication with the uncooled atmosphere and said chamber, said conduit including a portion in heat exchange relationship with said cooling element for condensing water in the atmosphere passing through said conduit and for freezing the same therein.

2,454,716
TREATING ANIMAL TISSUE
John M. Ramsbottom and Levi Scott Paddock, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 18, 1945, Serial No. 600,220
16 Claims. (Cl. 99—175)

1. A method of preparing animal casings for use in sausage manufacture comprising: subjecting the casings to treatment with a liquid containing a small amount of proteolytic enzyme whereby the enzyme is associated with the said casings and said casings are conditioned for tenderizing, and treating said casings to inhibit the enzymic action prior to complete tenderization.

2,454,717
MODIFIED ALKYD SIZING COMPOSITION
John W. Robertson, Englewood, N. J., assignor, by direct and mesne assignments, of one-half to Ellis-Foster Company, a corporation of New Jersey, and one-half to Montclair Research Corporation, a corporation of New Jersey
No Drawing. Application December 11, 1945, Serial No. 634,412
2 Claims. (Cl. 260—22)

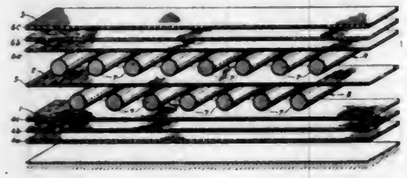
1. An emulsifiable resinous composition adapted for application to jute fibers to impart sizing, reinforcing and heat-sealing properties thereto, which comprises in homogeneous combination, a resinous extract of pinewood consisting of the gasoline-insoluble resinous portion of the aromatic hydrocarbon-soluble constituents of pinewood, tallow and a reaction product of 1 mole phthalic anhydride, ¾ to 2 moles glycerol and ½ to 1½ moles tall oil; said resinous pinewood extract and tallow together amounting to from 10% to a maximum addition of from 40% to 150% of the said reaction product, the relative amounts of pinewood extract and tallow at the maximum addition thereof ranging from a ratio of 1:1 to 5:1, and the maximum amount of pinewood extract and tallow and the ratio thereof in the mixture varying directly with the amount of tall oil in said reaction product.

2,454,718
LIPSTICK HOLDER
Giuseppe Russo, New York, N. Y.
Application June 6, 1945, Serial No. 597,881
2 Claims. (Cl. 206—46)



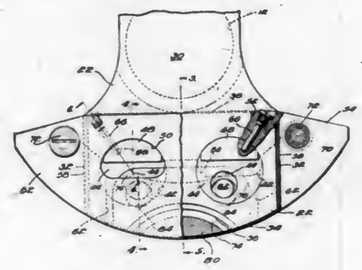
2. A cosmetic applicator sealed in its own individual airtight container, said applicator comprising a round stick having a reduced, rounded tapered point tipped with a cosmetic, said stick having a wax ring formed around it adjacent its tapered point, the outer diameter of said wax ring being greater than the outer diameter of the cosmetic tip, said cosmetic-tipped end of the stick being mounted within its said container, said container comprising a tubular member which is sealed off with wax at one end and which is open at the other end to provide ingress or egress for the cosmetic-tipped stick, said wax ring on the stick being sufficiently large to provide a seal between said stick and the inner wall of said tubular container, said wax ring being also sufficiently large to space the cosmetic tip on said stick from the inner wall of the tubular container and to provide a bearing on which said stick may be moved into and out of said container and preventing contact from being made between the cosmetic tip and the inner wall of the container.

2,454,719
METHOD OF MAKING CORED LAMINATED PLASTIC SHEETS
Charles A. Scogland, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application November 11, 1943, Serial No. 509,838
12 Claims. (Cl. 154—110)



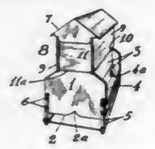
2. The method of forming a laminated structure comprising, arranging in substantially parallel spaced rows a plurality of deformable cores of substantially circular cross-section in substantially uniformly spaced parallel relation with respect to each other in each row between alternate layers of plastic impregnated sheet material, the cores of each row being spaced apart a distance equal at least to the diameter of the cores and with the cores of adjacent rows in staggered relation with respect to each other, and compressing the body thus formed to deform said cores and provide the layer between them with a plurality of channels of polygonal cross-sectional configuration.

2,454,720
CRANKSHAFT TORSIONAL VIBRATION DAMPER
John C. Selden, Farmington, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 31, 1947, Serial No. 725,589
4 Claims. (Cl. 74—604)



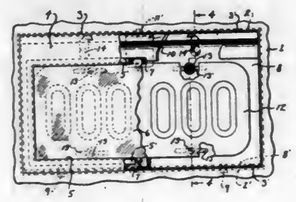
1. In a crankshaft damper for suppressing torsional vibrations, an arm extended from the crankshaft in a plane normal to the crankshaft axis, said arm having two bores therein extending parallel with said axis, counterweight means including plates on opposite sides of said arm, means for supporting said plates on said arm including annular members having a sliding fit in said bores, said plate supporting members being rigidly connected with said plates and spacing the latter from said arm to permit limited movement of said arm relative to said plates due to bending vibrations in said crankshaft, a U-shaped bifilial torsional vibration damper supported between said plates and embracing the end of said arm, said damper having bores therein parallel with the passages in said annular supporting members and pins loosely received in the bores in said dampers and in said passages.

2,454,721
POULTRY FEEDER
Vernon Severance, Saginaw, and Charles L. Severance, Akron, Mich.
Application November 1, 1946, Serial No. 707,158
3 Claims. (Cl. 119—52)



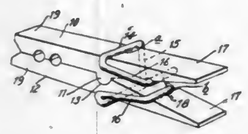
1. A feeder having a main feed bin comprising side walls, end walls, and feeding troughs communicating with the bin; in combination with an end panel hinged to the top of each end wall, adapted to be folded downwardly against such end walls, or extended upwardly to present an upper extension wall of said bin; a side panel hinged to the upper end of each side wall of said main feed bin and adapted to be swung into position outwardly and downwardly therefrom, and also extended upwardly to present an upper side wall extension of said bin; and a cover for the main bin when the side and end walls are in their respective down positions, and for the upper extension of the main bin when the end and side panels are raised; the said side panels in their down position presenting water shedding roofs to protect said feed troughs from the weather, and adapted when raised to reduce the over-all width of the feeder, and to increase the storage capacity of the bin.

2,454,722
LICENSE PLATE HOLDER
Joseph S. Slamka, Milwaukee, Wis.
Application March 25, 1946, Serial No. 657,032
1 Claim. (Cl. 40—130)



In a motor vehicle having an inturned flanged opening in its body; the combination of a license plate holder comprising a hood having inturned ends fitted in the flanges of the body opening and provided with a flanged opening in its front wall having a glass fitted therein, a panel having a bottom inturned flange secured to the flanges of the hood and body opening, the upper end of the panel being curved outwardly in circular form and in contact with a flange of the hood opening, an angular strip being adapted to engage and confine the circular portion of the panel, a license plate secured to said panel, and a light bulb mounted in the circular portion of the same.

2,454,723
CLOTHESPIN
Leslie W. Stinne, Dallas, Tex.
Application August 21, 1945, Serial No. 611,736
5 Claims. (Cl. 24—137)



4. As a new article of manufacture, a clamp including complementary clamp members held against lateral displacement at their mid-sections, a loop of resilient material partially embracing the mid-section of said clamp members to bind the same in assembly and having arms extending towards the tail portions of said members whose extremities are disposed at right angles to the major axes of said members to bear against and exert outward pressure upon the tail portions of said members.

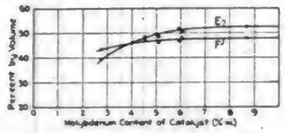
2,454,724

MOLYBDENA CATALYSTS, THEIR PREPARATION AND USE

Mirosiav W. Tamele, Oakland, Vanan C. Irvine, Richmond, and James F. Mahar, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 15, 1943, Serial No. 476,032
3 Claims. (Cl. 252—465)

1. Process for the production of granular molybdena-alumina catalysts of the type described



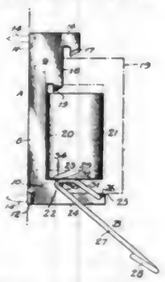
which comprises breaking massive alumina prepared from an alkali aluminate solution into granules between two mesh and eight mesh, activating the granules by partial dehydration to a water content between 5 per cent and 14 per cent by weight as determined by loss on ignition, removing alkali metal salts from the activated granules by leaching until the concentration of alkali metal is below 1.11×10^{-5} grams per square meter of available surface, further dehydrating the substantially alkali-free alumina granules to a water content below 5 per cent, and impregnating the substantially alkali-free alumina granules with between 2.7×10^{-4} and 3.5×10^{-4} grams of molybdenum as molybdenum oxide per square meter of surface.

2,454,725

CAN PIERCER

Joseph E. Thomas, Los Angeles, Calif.

Application January 26, 1948, Serial No. 4,382
10 Claims. (Cl. 30—8)



1. A can piercer comprising a bracket and a pusher, said bracket being stamped from heavy sheet metal and including a waist portion the forward edge of which provides a positioning abutment for engagement with the side of a can, a head portion overhanging said forward edge and having a downwardly extending piercing point, and a can seat portion extending beneath said head portion and having a fulcrum in which said pusher is pivoted for upward movement against the bottom of the can.

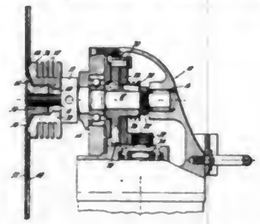
2,454,726

SUPPORTING HEAD FOR ABRASIVE DISKS

Edwin H. Tott, San Leandro, Calif.

Application December 23, 1946, Serial No. 717,901
10 Claims. (Cl. 51—197)

1. In a grinder device having a spindle, power means to rotate said spindle, a hub secured to the spindle for rotation therewith, an abrasive disk secured to the hub for rotation therewith, and a backing plate mounted on said hub in juxta-



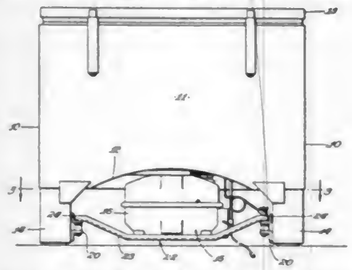
position to said disk, the improvement comprising means embodied in the hub adapted to seat said backing plate for free slippage with respect to said hub.

2,454,727

REFRIGERATING APPARATUS

Isaac M. Wherry, Evansville, Ind., assignor to International Harvester Company, a corporation of New Jersey

Application April 4, 1947, Serial No. 739,431
3 Claims. (Cl. 62—116)



1. In a refrigerating unit, the combination of: a cabinet having end and side walls and a bottom; means including a base having spaced apart end elements, disposed vertically, arranged to support the cabinet with its bottom spaced above the floor, the bottom and the end elements defining a machinery space open at at least one side; bracket means carried by the end elements within the machinery space; a supporting frame associated with the brackets and of such size as to be confinable within the machinery space; refrigerant-liquefying means carried by the frame, also of such size as to be confinable within the machinery space; and means including slotted connections mounting the frame on the bracket means for limited horizontal sliding movement of the frame with respect to the cabinet through the aforesaid open side of the machinery space from a first position, in which the frame and refrigerant-liquefying means are confined within the machinery space, to a second and operative position, in which at least part of the refrigerant-liquefying means extends outside of the machinery space horizontally beyond the proximate side wall of the cabinet.

2,454,728

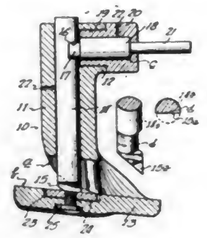
CUTTING TOOL

John L. White, Dallas, Tex.

Application March 23, 1945, Serial No. 584,417
1 Claim. (Cl. 164—58)

In a metal cutting tool, a reciprocable plunger therefor provided with a shear blade on one end and whose shank is ground to produce a work

deflecting radius originating approximately in line with and above the center of the shear blade



and extending in a gradual curve about the axis of said plunger to a terminus at approximately 45° from its points of origin.

2,454,729

METHOD OF MOLDING HALFTONE VALUES IN PRINTING SURFACES

Francisco G. Yanes, New York, N. Y.; Anne F. Goddard executrix of said Francisco G. Yanes, deceased

Application September 27, 1945, Serial No. 618,951
9 Claims. (Cl. 101—401.2)

1. Method of forming a surface, which consists in first, producing on a thickness of matter susceptible of being shaped by pressure a superficial elevation of equally distributed and similar minute projections; second, selectively arranging upon and around said projections different amounts of a second matter variedly reinforcing their resistance to pressure; third, flattening the whole until it shows a substantially even face; and fourth, removing the second matter.

2,454,730

PROCESS FOR REFINING KERATIN-CONTAINING MATERIAL

Stefan Bakonyi, Tovaros, Hungary; vested in the Attorney General of the United States

No Drawing. Application August 26, 1939, Serial No. 292,158. In Germany August 26, 1938
5 Claims. (Cl. 260—112)

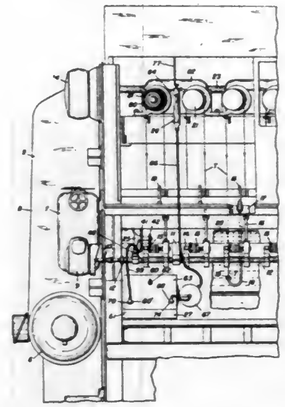
1. Process for refining keratin-containing material to render it more suitable for incorporation with a condensation product from formaldehyde and a substance selected from the group consisting of urea and thiourea into a moulding powder, which process comprises refining cleaned comminuted keratin-containing material by treatment firstly with mild hydrogen peroxide solution and then with a mild hydrosulphite solution.

2,454,731

APPARATUS FOR COORDINATING THE OPERATING RATE OF FORMING THREAD WITH THE DRAWING THEREOF

Alden H. Burkholder, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application November 21, 1942, Serial No. 466,432
7 Claims. (Cl. 18—8)



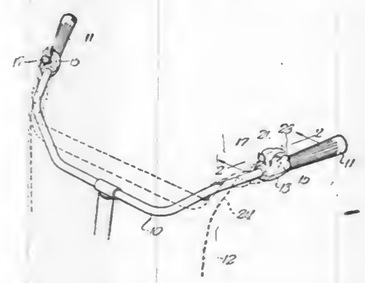
1. In apparatus for the manufacture of thread or the like of synthetic origin by an extrusion process employing thread-forming means and take-up means, a device for directly comparing the operating rate of one of said means with that of the other comprising a stroboscopic light emanating device and control therefor, said control being associated with and actuated by one of said means for producing an intermittent light emission at a predetermined frequency, said stroboscopic light being directed at and illuminating the other of said means.

2,454,732

SUPPORT FOR NEWSPAPER BAGS

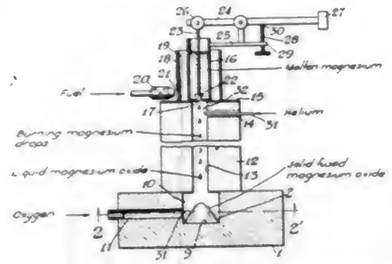
Robert S. Cathey and Lewis D. Clarke, Portland, Oreg.; said Clarke assignor to said Cathey

Application February 19, 1946, Serial No. 648,747
4 Claims. (Cl. 224—42)



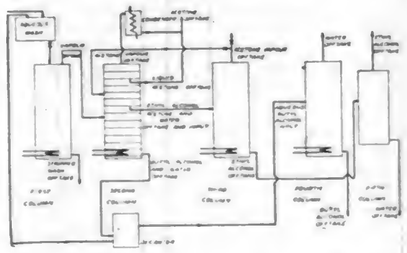
1. A device of the class described, consisting of a clamp adapted to be mounted upon the handle bar of a bicycle, in combination with a backwardly turned hook forming a part thereof, and a reflector imbedded in the front of said hook.

2,454,733
METHOD OF MAKING DENSE MAGNESIUM OXIDE
Alvin D. Dahl, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application March 13, 1947, Serial No. 734,325
5 Claims. (Cl. 23—201)



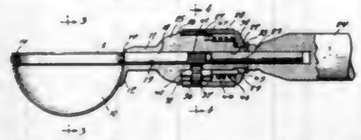
3. The method of making magnesium oxide in solidified fused form which comprises dripping molten magnesium into an atmosphere of oxygen whereby the drops of magnesium burn forming fused magnesium oxide, introducing oxygen into the said oxygen atmosphere at a rate 30 to 70 per cent greater than that corresponding to the stoichiometrical proportions of magnesium and oxygen, and solidifying and collecting the resulting magnesium oxide product.

2,454,734
DISTILLATION OF ACETONE, ETHANOL, AND BUTANOL FROM AQUEOUS SOLUTIONS THEREOF
Harold Nunnerley Darlington, Birkenhead, and Harold Holdsworth, Wirral, England, assignors to Commercial Solvents (Great Britain) Limited, Bromborough Port, England, a British company
Application November 21, 1947, Serial No. 787,400
In Great Britain November 25, 1946
8 Claims. (Cl. 202—40)



1. A process for the recovery of butyl alcohol, ethyl alcohol and acetone from an aqueous solution thereof which comprises stripping said aqueous solution of said alcohols and acetone in a stripping column of the nature of a beer column, withdrawing said alcohols and acetone from the head of said column in the vapour phase, introducing the vapours into a second column at an intermediate point therein, withdrawing acetone from the head of said second column, withdrawing a liquid mixture of ethyl alcohol, acetone and water from said second column at a point between the inlet of said vapours and the head thereof, and withdrawing a mixture of butyl alcohol and water, substantially free from other organic solvents, from the bottom of said second column, conducting said liquid mixture of ethyl alcohol, acetone and water into a third column, withdrawing from the head of said third column acetone with a greatly reduced ethyl alcohol content, and withdrawing from the bottom of said third column ethyl alcohol substantially free from acetone.

2,454,735
ICE-CREAM SCOOP
Joseph J. Deutsch, Norwalk, Conn., and John Vigilante, New York, N. Y.; said Vigilante assignor to said Deutsch
Application July 20, 1946, Serial No. 685,221
7 Claims. (Cl. 107—48)



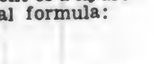
1. An ice cream scoop comprising a tubular shank, a dispensing bowl and a handle mounted, respectively, at opposite ends of the shank, a wiper pivotally mounted within the bowl, a shaft journalled within the shank and connected at one end thereof to the wiper and a pinion mounted at its opposite end, a manually-rotatable sleeve journalled externally of the shank and operatively connected with the wiper shaft to rotate the same.

2,454,736
ALKALINE EARTH METAL PETROLEUM SULFONATE COMPOSITIONS
Jacob Faust, Belleville, N. J., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Original application May 17, 1945, Serial No. 594,369. Divided and this application December 10, 1946, Serial No. 715,337
9 Claims. (Cl. 252—33.4)

1. A substantially non-gelling alkaline earth metal petroleum sulfonate solution in mineral oil which comprises a petroleum hydrocarbon oil, a substantially oil soluble alkaline earth metal petroleum sulfonate dissolved in said hydrocarbon oil in normally gel forming amounts, and at least one member selected from the group consisting of substantially oil soluble, phthalic acid esters of alkylene glycol ethers and alkyl phthalates in amount sufficient to substantially prevent gelling of said alkaline earth metal petroleum sulfonate-petroleum hydrocarbon solution.

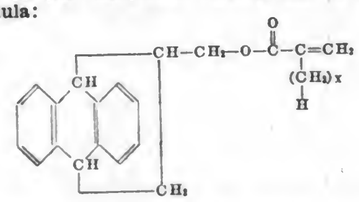
2,454,737
COPOLYMERS OF HYDROCARBON DIENES AND ACRYLATES OF ALPHA-HYDROXYMETHYLETHANO-9,10-DIHYDROANTHRACENE
Earl W. Gluesenkamp and Alfred B. Craig, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 4, 1947, Serial No. 789,775
4 Claims. (Cl. 260—84.5)

1. A synthetic rubber composition which comprises a copolymer of 40 to 90 percent of a hydrocarbon diene having the structural formula:



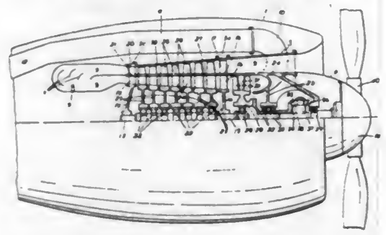
wherein X is a radical of the group consisting

of hydrogen and methyl, and from 10 to 60 percent of the compound having the structural formula:



wherein X is a small whole number from 0 to 1 inclusive.

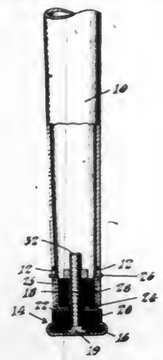
2,454,738
INTERNAL-COMBUSTION TURBINE POWER PLANT
William Rede Hawthorne, Silver Spring, Md., assignor to Power Jets (Research and Developments) Ltd., London, England, a British company
Application January 31, 1945, Serial No. 575,540
In Great Britain January 31, 1944
9 Claims. (Cl. 170—135.6)



1. An internal combustion turbine power plant for aircraft operating on the constant pressure cycle with continuous flow comprising an axial flow compressor, an axial flow primary turbine coaxially nested within and driving the compressor, duct means and combustion chamber means providing communication from the outlet of the compressor to the inlet of the primary turbine the direction of flow being reversed through 180° in said duct and combustion chamber means, means including compressor and turbine blading providing compressor and turbine flow channels through which the flow occurs in opposite axial directions, an independent axial flow turbine in close coaxial tandem relationship with the primary turbine and operated by the exhaust therefrom, and an airscrew propeller coaxial with said compressor and turbines and driven by said independent turbine.

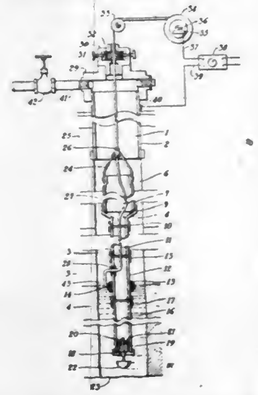
2,454,739
DETACHABLE GLIDE UNIT FOR FURNITURE LEGS
Severin B. Hendrickson, Templeton, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application January 3, 1948, Serial No. 432
6 Claims. (Cl. 16—42)

1. A detachable glide unit for a tubular chair leg having apertures in the wall thereof, comprising a metal button having a bottom face adapted to engage the floor, a supporting stem carried by and extending upwardly from the button, a cushion on the stem above and cooperating with the button, and locking means carried by the stem and including opposed fingers above the



cushion for engaging said apertures in the tubular leg.

2,454,740
APPARATUS FOR TREATING WELLS
Philip J. Lehnhard, Jr., Midland, Tex., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application January 31, 1945, Serial No. 575,404
2 Claims. (Cl. 166—1)



1. An apparatus for introducing a liquid agent into a well containing fluid and depositing the same on the bottom thereof so as to fill the well from the bottom to a predetermined depth, comprising the combination of a cylindrical container adapted to hold a charge of liquid agent and having an outlet at the bottom, a tail pipe attached to the outlet and having a smaller cross section than that of the container, said tail pipe having a length exceeding the depth of the portion of the well to be filled, a foot valve on the lower end of the tail pipe adapted to be opened by contact with the bottom of the well to release the liquid agent from the container, an electrode mounted externally on the tail pipe and electrically insulated therefrom at a distance above the lower end corresponding to the predetermined depth of the filling of the well by the liquid agent, an insulated cable connected to the electrode, means for suspending the container on the insulated cable, and a circuit means including an electric current indicating means, connected to

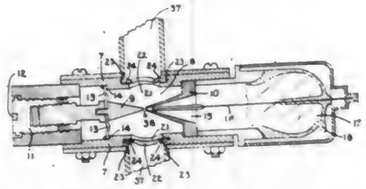
the cable and a ground connection, adapted to indicate the difference in resistivity of the circuit when the liquid agent makes or breaks contact with the electrode.

2,454,741

ULTRA HIGH FREQUENCY ELECTRONIC TUBE

Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application May 24, 1944, Serial No. 537,145
1 Claim. (Cl. 315—5)



A high frequency electronic device having a rigid metallic body member, a space charge chamber therein whose walls present a resonator system said body having a plurality of apertures communicating from said chamber to the outside, glass windows for said openings, sheet metal bezels in which said windows are hermetically sealed, said bezels having a bevelled peripheral edge, a coating repellant to solder covering all but the peripheral edge of said bezels, a solder joint hermetically sealing said bezels along their peripheral edge in said apertures including metallic rings extending around the periphery of the bezels engaging the walls of said apertures and the bevelled edge of the bezels, said rings acting to reinforce the solder joint and means forming part of the bezels acting to impart radial resiliency thereto whereby thermally imposed radially acting forces are absorbed without damage to the windows.

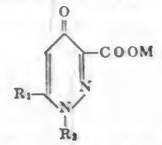
2,454,742

PYRIDAZONE DERIVATIVES AND METHOD OF PREPARING THE SAME

Jack F. Morgan, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 14, 1945, Serial No. 616,462
20 Claims. (Cl. 260—250)

1. Compounds of the formula:



wherein R_1 is selected from the class consisting of aliphatic, benzyl, menaphthyl and aromatic radicals, R_2 is an aromatic radical free from sulfonic acid groups and M is selected from the class consisting of H and alkali metals.

8. The process of producing 4-pyridazones which comprises heating in the presence of an aqueous solvent-diluent an azo dye the coupling component of which is a pyronone and the aromatic diazo component of which is free from sulfonic acid groups.

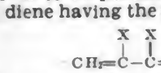
2,454,743

COPOLYMER OF A CONJUGATED HYDROCARBON DIENE AND AN ACRYLATE OF A CYCLOPENTADIENYL ALCOHOL

David T. Mowry and Alfred B. Craig, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 4, 1947, Serial No. 789,772
5 Claims. (Cl. 260—84.5)

1. A synthetic rubber which comprises a copolymer of 40 to 90 percent of a conjugated hydrocarbon diene having the structural formula:



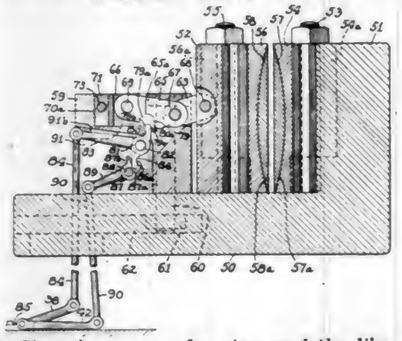
wherein X is a radical of the group consisting of hydrogen or methyl and from 10 to 60 percent of a dicyclopentadienyl alcohol ester of an acid of the group consisting of acrylic acid and methacrylic acid.

2,454,744

MULTIPLE TOGGLE CLAMPING MEANS FOR VISES AND THE LIKE

Anton U. Peterson, Chicago, and August J. Meyer, River Forest, Ill.; said Meyer assignor to said Peterson

Application June 7, 1945, Serial No. 597,992
5 Claims. (Cl. 81—26)



1. Clamping means for vises and the like, including in combination a base, a first jaw member carried by said base, a second jaw member mounted for movement towards and from said first jaw member, a thrust block carried by said base, a plurality of sets of toggle links pivotally connected to said thrust block and to said movable jaw member for operating the latter, a common operating member, and similar operating connections between said operating member and each of said sets of toggle links, whereby all of said sets of toggle links are simultaneously and similarly operated by operation of said operating member, said operating member comprising a rotary shaft carried by said thrust block, and said operating connections comprising pressure-multiplying links between said shaft and each of said sets of toggle links.

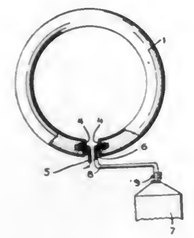
2,454,745

METHOD AND MEANS FOR PROTECTING FLUORESCENT COATINGS AND THE LIKE

Gerald S. Quinn, Salem, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application January 3, 1946, Serial No. 638,747
6 Claims. (Cl. 316—17)

1. A method of temporarily protecting from contamination an element within the envelope of a thermionic device comprising, introducing a protective gaseous atmosphere into the envelope, forming a seal to keep the gas therein, subsequently performing added operations upon the device including heating the device to a temperature sufficient to break said seal, and cooling the device sufficiently to effect a re-sealing of the broken seal.



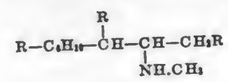
2,454,746

CYCLOHEXYLALKYLAMINES

Glenn E. Ullyot, Philadelphia, Pa., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application May 13, 1947, Serial No. 747,857
4 Claims. (Cl. 260—563)

1. A compound selected from the group consisting of secondary β-cyclohexylalkylamines having the following general formula:



where R is a member of the group consisting of hydrogen and a methyl radical; and salts thereof.

2,454,747

MIXED ALKYL ESTERS OF ASCORBIC ACID

David I. Weisblat, Donald R. Myers, and Edwin C. Wise, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application April 16, 1945, Serial No. 588,722
5 Claims. (Cl. 260—344.5)

2. Triacetyl, monolauroyl ascorbic acid.

2,454,748

ASCORBIC ACID TETRAESTER PREPARATION

David I. Weisblat and Donald R. Myers, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application August 2, 1945, Serial No. 608,602
1 Claim. (Cl. 260—344.5)

The method for the production of monoacetyl tripalmitoyl ascorbic acid which includes the step of reacting tripalmitoyl ascorbic acid with acetic anhydride in a substantially anhydrous non-reactive organic medium, in the presence of zinc chloride, and separating monoacetyl tripalmitoyl ascorbic acid from the reaction product.

2,454,749

LOWER ALKYL ESTERS OF ASCORBIC ACID

Edwin C. Wise, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application March 16, 1945, Serial No. 583,180
5 Claims. (Cl. 260—344.5)

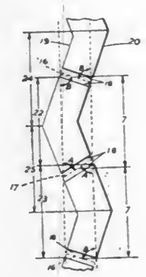
1. A 2.3.5.6.-ascorbic acid tetra-ester of a lower aliphatic acid containing from two to seven carbon atoms, inclusive.

2,454,750

TIRE FOR VEHICLES

Edgar Charles Woods, Gravesend, England, assignor to Henley's Tyre & Rubber Company, Darking, England, a British company

Application May 21, 1945, Serial No. 594,816
In Great Britain May 31, 1944
6 Claims. (Cl. 152—209)



6. A tire having a rubber tread comprising a rib periodically deflecting laterally in opposite directions from a straight circumferential line, said rib being divided transversely in the regions midway between the points at which it changes direction by straight parallel-sided channels at uniform pitch measured circumferentially between the mid-points of adjacent channels, some of which channels make with the circumferential centre line of the tread, angles different from the angles made by the other channels with the said centre line.

2,454,751

PROCESS OF PREPARING 6-METHYL PTERIDINES

James H. Boothe, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 27, 1946, Serial No. 686,717
9 Claims. (Cl. 260—251)

1. A method of preparing 2-amino-4-hydroxy-6-methyl pyrimido [4,5-b] pyrazine which comprises treating a 2-amino-4-hydroxy pyrimido [4,5-b] pyrazine having as a substituent at the 6-position the group $-CH_2Y$ in which Y is a nitrogen atom having additional substituents of the group consisting of those constituting tertiary amines and quaternary ammonium compounds with a reducing agent comprising metallic zinc and an alkali whereby the group represented by Y is removed and replaced with hydrogen and thereafter recovering 2-amino-4-hydroxy-6-methylpyrimido [4,5-b] pyrazine.

2,454,752
PRODUCTION OF ANTIBODIES
Arthur F. Coca, Oradell, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 20, 1944, Serial No. 569,112
11 Claims. (Cl. 167—78)

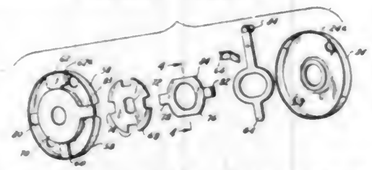
1. The method of producing blood serum containing a high titer of a specific hemagglutinin, the steps of which comprise obtaining blood substance having hemagglutinogenic properties, mixing therewith hemagglutinins effective against the hemagglutinogenic substances other than those of the desired specific hemagglutinin whereby the undesired hemagglutinogenic substances are rendered substantially impotent to stimulate the production of antibodies, introducing into the blood stream of a higher animal an effective amount of the thus treated hemagglutinogenic substance, allowing the formation of corresponding hemagglutins to take place and thereafter removing at least part of the blood of said animal to obtain blood serum containing the desired hemagglutinin.

2,454,753
INOCULUM AND PROCESS OF PREPARING AND USING SAME
Floyd D. Hager, Pearl River, N. Y., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 20, 1944, Serial No. 536,609
8 Claims. (Cl. 195—56)

2. A dry powdered inoculum comprising finely-divided sterile calcium stearate in intimate contact with viable spores of *Penicillium notatum*.

5. A method of inoculating a nutrient growth medium with a mold spore which comprises the steps of agitating a sterile finely-divided compound of the group consisting of alkali metal and alkaline earth metal salts of saturated fatty acids having from 12 to 18 carbon atoms inclusive said compound having a melting point of at least 120° C. over a surface having viable mold spores of a single species thereon to contact the spores with the said particles and thereafter dusting the mold spores-bearing particles over the surface of a nutrient growth medium.

2,454,754
DOOR LATCH
Franz Netschert, Glendale, Calif., assignor to Technical Glass Company, Los Angeles, Calif., a corporation of California
Application December 21, 1946, Serial No. 717,644
2 Claims. (Cl. 292—359)



1. Latch mechanism for a door including: an outside handle; latching means for said door; a spindle on which said outside door knob is secured and rotatable to retract said latch and extending on the opposite side of the door; an inside door knob secured to said spindle; locking means operable from inside the door to prevent rotation of said spindle; resilient means normally operative to hold said spindle in position to be held by said locking means when operated but enabling said spindle to be moved axially by an axial pull on said outer handle to be released from said locking means while remaining in engagement with said latching means to enable the door to be opened from the outside notwithstanding that the locking means remain in locking position.

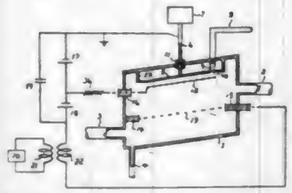
2,454,755
PRODUCTION OF TOXINS AND TOXOIDS
Ivan A. Parfentjev, Nyack, and Alfred J. Weil, Pearl River, N. Y., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 7, 1945, Serial No. 576,704
6 Claims. (Cl. 167—78)

1. The process of separating bacterial antigens from toxins of the group consisting of diphtheria, tetanus, staphylococus, and perfringens which comprises mixing a bacterial filtrate containing one of said toxins and bacterial antigens in solution with an aqueous suspension of magnesium hydroxide in an amount equivalent to about 1 to 5% by weight of dry magnesium hydroxide, agitating the mixture, whereby the magnesium hydroxide selectively adsorbs bacterial antigens present in the solution without substantial adsorption and alteration of the toxin, and separating the magnesium hydroxide with the adsorbed bacterial antigens from the toxin solution.

2,454,756
PROCESS FOR THE POLYMERIZATION OF FURFURYL ACRYLATE
Chessie E. Rehberg, Philadelphia, and Charles H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Original application December 27, 1943, Serial No. 515,798, now Patent No. 2,433,866, January 6, 1948. Divided and this application December 18, 1945, Serial No. 635,812
4 Claims. (Cl. 260—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A copolymer the polymerizable constituents of which are at least 95% methyl acrylate and the balance being furfuryl acrylate.

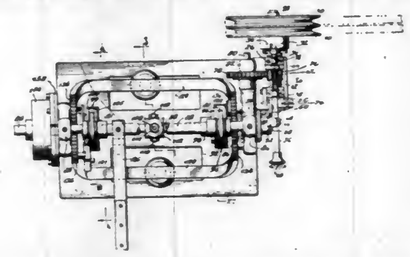
2,454,757
ELECTRIC SPACE-CHARGE DEVICE
Lester H. Smith, Maplewood, N. J.
Application October 1, 1943, Serial No. 504,531
6 Claims. (Cl. 204—312)



2. Gaseous phase electric space charge device comprising an emitting electrode, means associated with said emitting electrode for projecting mechanically a stream of physical particles from the surface of said emitting electrode, an intermediate grid electrode formed to provide a path for physical particles projected from said emitting electrode, means for maintaining said intermediate grid electrode at such an electrical potential relative to said emitting electrode that certain of the particles leaving the surface of said emitting electrode carry an electric charge and retain this charge in passing through said intermediate grid electrode, a collecting electrode and means for maintaining said collecting electrode at such an electrical potential relative to said emitting electrode and said intermediate grid electrode as to cause a drift of electrically charged particles toward said collecting electrode, said electric space charge device also comprising means for setting up a high frequency field within said electric space charge device and means for introducing gaseous material to be processed into and for withdrawing the processed material from said device.

2,454,758
FLEXIBLE COVER FORMING MACHINE
Alfred Vischer, Jr., Park Ridge, Ill., assignor, by mesne assignments, of twelve-thirtieths to Alfred Vischer, Jr., two-thirtieths to William Vischer, two-thirtieths to Alfred Vischer, III, two-thirtieths to Alfred Vischer, Jr., as trustee, four-thirtieths to Walter W. Zitzewitz, four-thirtieths to Elmer K. Zitzewitz, one-thirtieth to Gertrude J. Zitzewitz, one-thirtieth to Barbara O. Zitzewitz, and two-thirtieths to Gertrude V. Bouton
Application August 1, 1945, Serial No. 608,105
6 Claims. (Cl. 153—54)

1. In a machine of the class described, the combination of a pair of spaced driving rollers, means to press a disc against said rollers to secure frictional engagement therewith and thus to cause rotation of the disc, a drive shaft, a train of gearing connecting said drive shaft to said rollers to cause the latter to rotate in opposite directions, a pulley mounted on said drive shaft, a disengageable clutch connecting said pulley to the drive shaft, a manual control element, means for latching said element in a position to cause engagement of the clutch, a pair of forming rollers engageable with the upper surface of the disc at points near the periphery thereof and intermediate the points at which the driving roller



engages the disc, means driven through said gearing for swinging said forming rollers downwardly and inwardly with respect to the center of the disc thereby to bend the disc into inverted trough shape successively along angularly incremental diameters as the disc is rotated and thereafter to swing the forming rollers upwardly and outwardly, and a latch releasing member operated by said last named means when the forming rollers have passed through a complete oscillatory cycle, thereby to release said manual control element and cause disengagement of said clutch.

DESIGNS

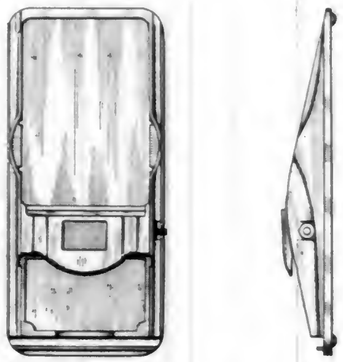
NOVEMBER 23, 1948

151,805
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Claude Arpels, New York, N. Y.
Application April 27, 1948, Serial No. 145,983
Term of patent 3½ years
(Cl. D45—19)



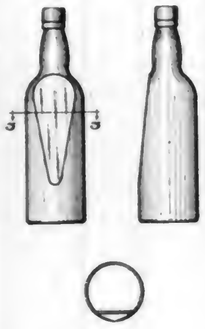
The ornamental design for a brooch or similar article, substantially as shown.

151,806
DESIGN FOR A COMBINED TELEPHONE STAND AND PAD HOLDER
Sol J. Beitch and Samuel Fine, New York, N. Y.
Application September 8, 1947, Serial No. 141,240
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a combined telephone stand and pad holder, substantially as shown.

151,807
DESIGN FOR A WINE BOTTLE
Hyman C. Berkowitz, Newton, Mass.
Application March 7, 1947, Serial No. 137,445
Term of patent 14 years
(Cl. D58—8)



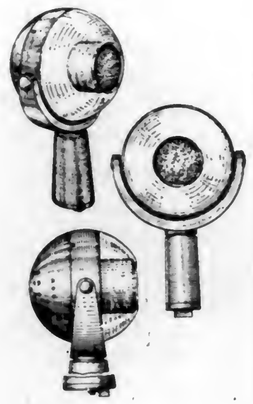
The ornamental design for a wine bottle, substantially as shown.

151,808
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application February 14, 1948, Serial No. 144,478
Term of patent 3½ years
(Cl. D45—9)



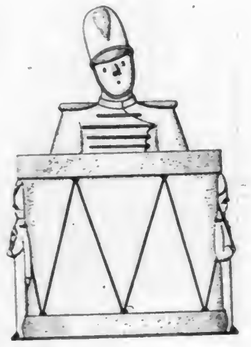
The ornamental design for an earring or similar article, as shown.

151,809
DESIGN FOR A TELEPHONE TRANSMITTER
Henry Dreyfuss, Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1947, Serial No. 142,802
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a telephone transmitter, as shown.

151,810
DESIGN FOR A COOKY JAR
Rolf J. Falk, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application March 14, 1947, Serial No. 137,610
Term of patent 14 years
(Cl. D58—25)



151,810—Continued



The ornamental design for a cooky jar, as shown.

151,811
DESIGN FOR A SUIT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application January 21, 1948, Serial No. 143,939
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

151,812
DESIGN FOR A SUIT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application January 21, 1948, Serial No. 143,940
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

151,813
DESIGN FOR A JACKET
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application January 21, 1948, Serial No. 143,942
Term of patent 3½ years
(Cl. D3—4)



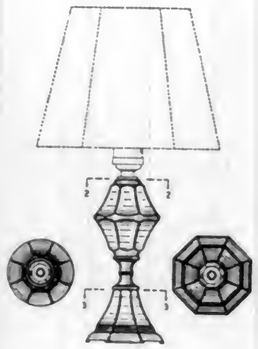
The ornamental design for a jacket, substantially as shown.

151,814
DESIGN FOR A JACKET
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application January 21, 1948, Serial No. 143,943
Term of patent 3½ years
(Cl. D3—4)



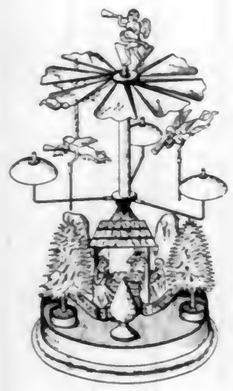
The ornamental design for a jacket, substantially as shown.

151,815
DESIGN FOR A LAMP OR SIMILAR ARTICLE
Lawrence J. Gagnon, Bay Village, Ohio, assignor to J. Schrader Company, a partnership composed of J. Schrader and Lawrence J. Gagnon
Application September 11, 1947, Serial No. 141,328
Term of patent 3½ years
(Cl. D48—20)

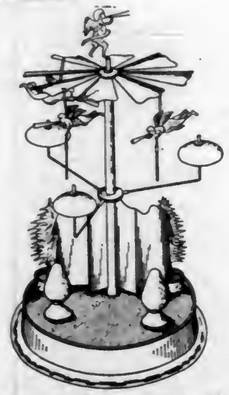


The ornamental design for a lamp or similar article, substantially as shown and described.

151,816
DESIGN FOR A CHRISTMAS ORNAMENT
Theodore L. Gehr, St. Petersburg, Fla.
Application October 15, 1947, Serial No. 141,904
Term of patent 3½ years
(Cl. D29—1)

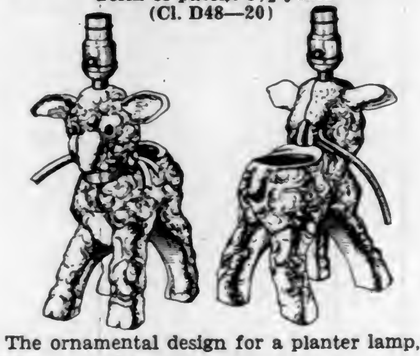


151,816—Continued



The ornamental design for a Christmas ornament, as shown.

151,817
DESIGN FOR A PLANTER LAMP
Robert E. Gifford, Farnsworth, Ill.
Application June 20, 1947, Serial No. 139,837
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a planter lamp, as shown.

151,818
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application January 21, 1948, Serial No. 143,927
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

151,819
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application June 7, 1948, Serial No. 146,806
Term of patent 3½ years
(Cl. D3—4)



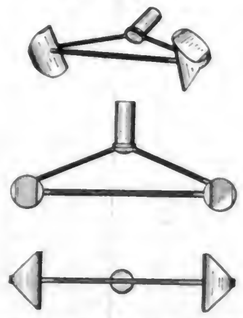
The ornamental design for a coat, substantially as shown.

151,820
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application June 7, 1948, Serial No. 146,809
Term of patent 3½ years
(Cl. D3—4)



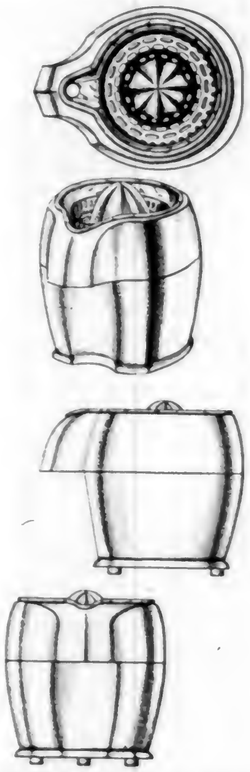
The ornamental design for a coat, substantially as shown.

151,821
DESIGN FOR A SHUFFLEBOARD CUE HEAD
Carl E. Gunklach, Oakwood, Ohio
Application July 25, 1946, Serial No. 131,928
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a shuffleboard cue head, as shown.

151,822
DESIGN FOR A JUICER
Oscar E. Hammers, Chicago, Ill.
Application December 27, 1946, Serial No. 135,793
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a juicer, as shown.

151,823
DESIGN FOR A SANITARY JUICE COLLECTOR
Oscar E. Hammers, Chicago, Ill.
Application December 27, 1946, Serial No. 135,794
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a sanitary juice collector, as shown.

151,824
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,585
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,825
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,588
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,826
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,589
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,827
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,591
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,828
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,592
Term of patent 7 years
(Cl. D45—19)



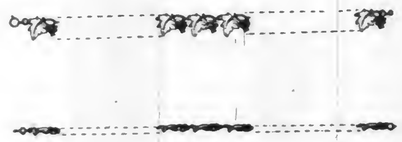
The ornamental design for a brooch or similar article, substantially as shown.

151,829
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,593
Term of patent 7 years
(Cl. D45—19)



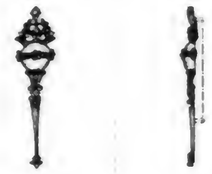
The ornamental design for a brooch or similar article, substantially as shown.

151,830
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,597
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

151,831
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,598
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,832
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,599
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,833
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,601
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,834
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,603
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,835
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,606
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

151,836
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1948, Serial No. 147,681
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

151,837
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1948, Serial No. 147,682
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

151,838
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1948, Serial No. 147,684
Term of patent 7 years
(Cl. D45—16)



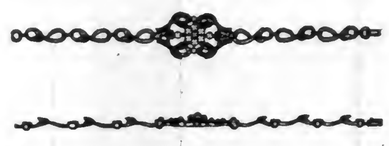
The ornamental design for a necklace or similar article, substantially as shown and described.

151,839
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1948, Serial No. 147,686
Term of patent 7 years
(Cl. D45—16)



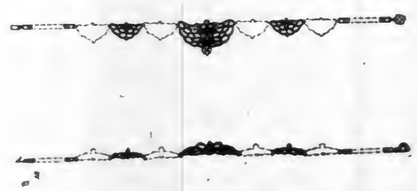
The ornamental design for a necklace or similar article, substantially as shown and described.

151,840
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 22, 1948, Serial No. 147,716
Term of patent 7 years
(Cl. D45—4)



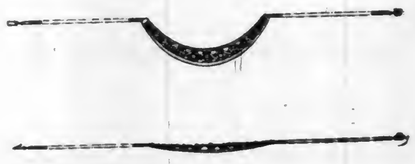
The ornamental design for a bracelet or similar article, substantially as shown.

151,841
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 22, 1948, Serial No. 147,719
Term of patent 7 years
(Cl. D45—16)



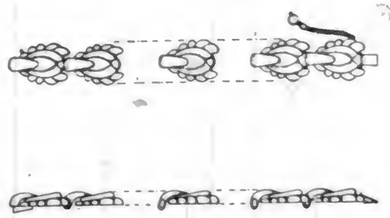
The ornamental design for a necklace or similar article, substantially as shown and described.

151,842
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 24, 1948, Serial No. 147,757
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

151,843
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 24, 1948, Serial No. 147,758
Term of patent 7 years
(Cl. D45—4)



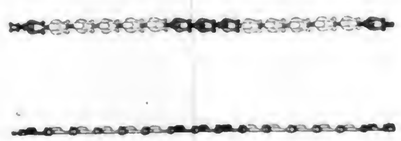
The ornamental design for a necklace or similar article, substantially as shown and described.

151,844
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 29, 1948, Serial No. 147,829
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a bracelet or similar article, substantially as shown and described.

151,845
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1948, Serial No. 147,884
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

151,846
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1948, Serial No. 147,886
Term of patent 7 years
(Cl. D45—16)



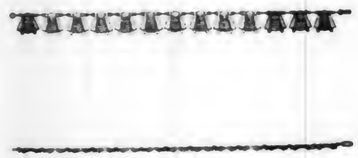
The ornamental design for a necklace or similar article, substantially as shown and described.

151,847
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 11, 1948, Serial No. 148,059
Term of patent 7 years
(Cl. D45—16)



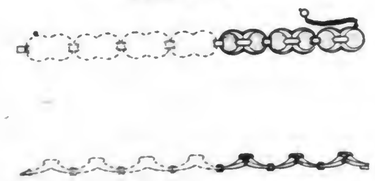
The ornamental design for a necklace or similar article, substantially as shown.

151,848
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 11, 1948, Serial No. 148,058
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

151,849
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1948, Serial No. 147,887
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

151,850
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 12, 1948, Serial No. 148,084
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

151,851
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 12, 1948, Serial No. 148,085
Term of patent 7 years
(Cl. D45—4)



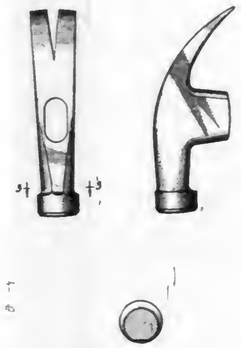
The ornamental design for a bracelet or similar article, substantially as shown.

151,852
DESIGN FOR AN ADJUSTABLE SCREEN DOOR PANEL OR SIMILAR ARTICLE
Augusta A. Klingbiel, Los Angeles, Calif.
Application October 15, 1946, Serial No. 133,964
Term of patent 3½ years
(Cl. D13—2)



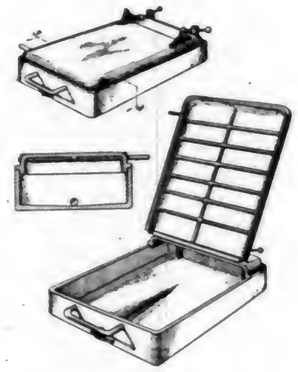
The ornamental design for an adjustable screen door panel or similar articie, as shown.

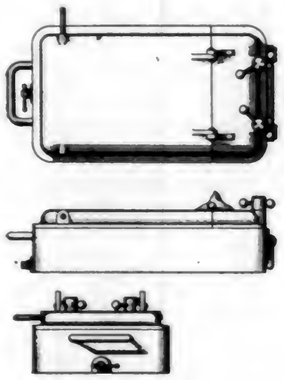
151,853
DESIGN FOR A HAMMER HEAD
William L. Ludwick, Mount Carmel, Conn., assignor to The Peck, Stow & Wilcox Company, Southington, Conn., a corporation of Connecticut
Application March 1, 1946, Serial No. 126,990
Term of patent 14 years
(Cl. D93—4)



The ornamental design for a hammer head, substantially as shown and described.

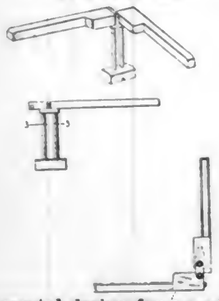
151,854
DESIGN FOR A CHICKEN FRYER
Emil O. Mehline, Seattle, Wash.
Application March 7, 1947, Serial No. 137,428
Term of patent 7 years
(Cl. D44—1)





The ornamental design for a chicken fryer, as shown.

151,855
DESIGN FOR AN ADJUSTABLE FLUORESCENT LIGHTING FIXTURE
Carl Nitardy, New York, N. Y., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application September 15, 1945, Serial No. 122,112
Term of patent 14 years
(Cl. D48—20)

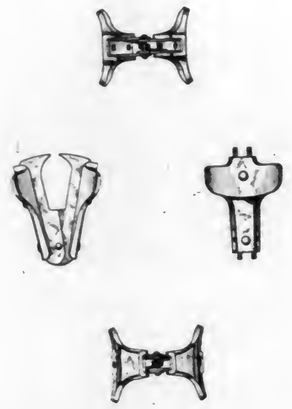


The ornamental design for an adjustable fluorescent lighting fixture, as shown and described.

151,856
DESIGN FOR A VEGETABLE SLICER
Arthur William Norman, Largo, Fla., assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application May 7, 1947, Serial No. 138,865
Term of patent 14 years
(Cl. D89—1)

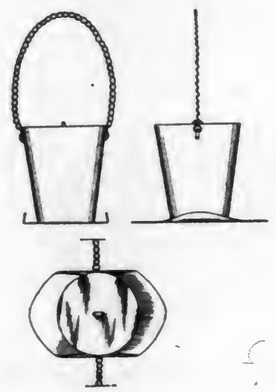
The ornamental design for a vegetable slicer, as shown and described.

151,857
DESIGN FOR A WIRE STAPLE REMOVING TOOL
William G. Pankonin, Chicago, Ill.
Application July 21, 1947, Serial No. 140,434
Term of patent 14 years
(Cl. D74—1)

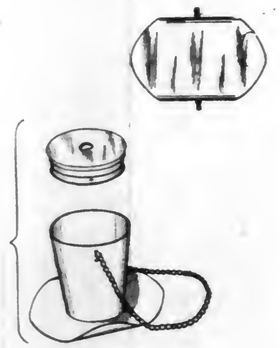


The ornamental design for a wire staple removing tool, as shown.

151,858
DESIGN FOR A COMBINED HANDBAG AND COMPACT
Frank H. Rath, Garden City, N. Y.
Application January 30, 1948, Serial No. 144,155
Term of patent 14 years
(Cl. D87—3)

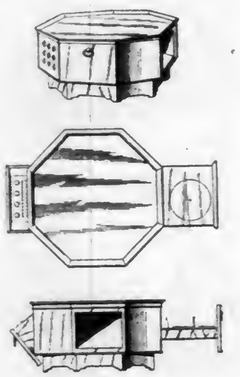


151,858—Continued



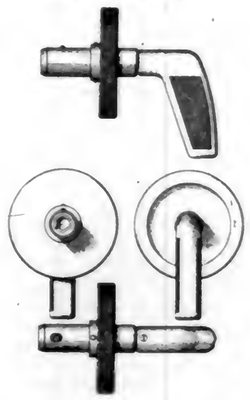
The ornamental design for a combined handbag and compact, substantially as shown and described.

151,859
DESIGN FOR A CABINET FOR RADIO-PHONOGRAPH COMBINATION
Wallace Schier, Forest Hills, and David L. Doggett, Mount Kisco, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 11, 1947, Serial No. 136,077
Term of patent 3½ years
(Cl. D56—4)



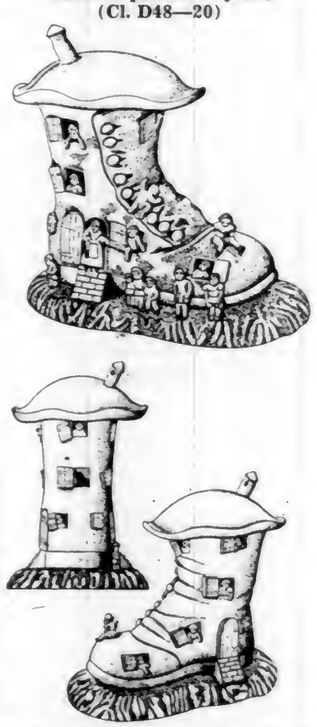
The ornamental design for a cabinet for radio-phonograph combination, substantially as shown and described.

151,860
DESIGN FOR A MOMENTUM WRENCH
Raymond L. Stoyer, Lebanon, Pa.
Application August 7, 1947, Serial No. 140,758
Term of patent 14 years
(Cl. D54—13)



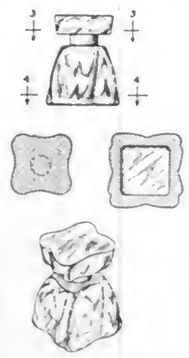
The ornamental design for a momentum wrench, as shown.

151,861
DESIGN FOR A LAMP
Abraham Troskin, Brooklyn, N. Y.
Application July 3, 1947, Serial No. 140,073
Term of patent 14 years
(Cl. D48—20)



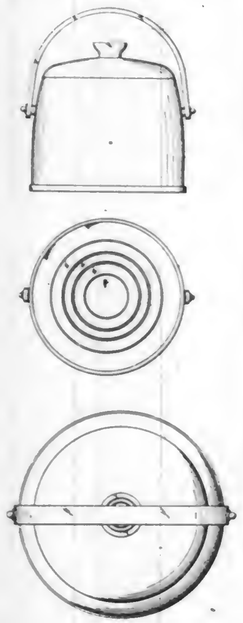
The ornamental design for a lamp, as shown.

151,862
DESIGN FOR A BOTTLE
Josephine von Miklos, New Canaan, Conn., assignor to Jacqueline Cochran, Indio, Calif.
Application April 19, 1947, Serial No. 138,502
Term of patent 14 years
(Cl. D58—6)



The ornamental design for a bottle, substantially as shown.

151,863
DESIGN FOR AN ICE BUCKET
Manuel S. Ziskin, University Heights, Ohio, assignor to Kromex Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 9, 1946, Serial No. 133,838
Term of patent 14 years
(Cl. D44—21)



The ornamental design for an ice bucket, substantially as shown.

MANUFACTURER—PRODUCER—BANKER—LAWYER
TEACHER—STUDENT—AVERAGE CITIZEN

Know Your Government!

The Constitution
The Congress
The Courts
Executive Office of the President
Department of the Treasury
Bureau of Customs
National Military Establishment
Federal Security Agency
Food and Drug Administration
Housing and Home Finance Agency
Selective Service System
Veterans' Administration



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November 30, 1948 Volume 616 Number 5

Official Gazette

UNITED STATES PATENT OFFICE

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November 30, 1948

Trade-Marks	92—No.	441,436 to No.	441,527, inclusive
T. M. (Act of 1946)	272—No.	504,256 to No.	504,527, inclusive
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Reissues	2—No.	23,052 to No.	23,053, inclusive
Plant Patents	2—No.	811 to No.	812, inclusive
Patents	588—No.	2,454,759 to No.	2,455,346, inclusive
Designs	84—No.	151,864 to No.	151,947, inclusive
Total	1,424		

Patents expiring: Patent Numbers 1,833,887 to 1,834,917, inclusive, issued December 1, 1931, expire December 1, 1948

Condition of Applications Under Examination at Close of Business Nov. 12, 1948

Total number of patent applications awaiting action, 153,255. Date of oldest new application, October 28, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	6-14-47	5-12-47	2804
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-11-47	10-3-46	2976
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	2-7-48	2-10-48	1331
4. BISHOP, WALTER O., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	3-27-47	2-8-47	4180
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	5-29-47	12-5-46	1689
6. SURLE, H., Carbon Chemistry (part)	12-4-47	11-12-47	1785
7. HANLIN, GEORGE, Optics; Photographic Apparatus	2-17-48	11-10-47	1506
8. LEWIS, R. O., (Acting), Furniture; Racks and Cabinets	3-11-47	11-4-46	4457
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-9-47	2-6-47	2430
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	2-21-48	1-2-48	1676
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	1-23-48	2-19-48	796
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	11-17-47	9-27-46	2276
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	11-6-46	11-14-46	2413
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	2-5-48	11-6-47	1335
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	6-9-47	5-26-47	2057
16. LOVEWELL, N. N., Television; Telephony	1-7-48	8-15-47	1560
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-26-47	10-25-46	2083
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	8-27-47	9-14-46	2053
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-26-47	2-3-47	1857
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	5-6-47	1-31-47	2055
21. MADER, R. C., Textiles	12-9-47	9-18-47	1240
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	11-14-47	1-3-47	1543
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	11-12-47	12-13-46	1768
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	10-17-47	9-12-47	2511
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	2-12-48	3-3-47	1736
26. YOUNG, R. R., Electricity—Generation and Motive Power	2-14-48	3-7-47	1140
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	7-18-47	1-20-47	3607
28. BRAUNER, R. H., (Acting), Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	11-20-47	10-28-47	964
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	4-3-47	2-29-47	3195
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	2-4-48	11-29-47	1535
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-3-48	3-1-48	2121
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	4-22-47	11-5-46	3200
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	3-12-47	12-4-46	3558
34. SAPERSTEIN, S., Electricity—Transmission of Vehicles; Railways; Track Sanders; Signals and Indicators	5-2-47	1-10-47	1464
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	7-19-47	12-4-46	3467
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-47	10-6-46	2012
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	2-28-48	4-23-47	1318
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	9-9-47	7-15-47	1685
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	6-16-47	10-2-46	3043
40. DRUMMOND, E. J., Receptacles (part); Packages	12-9-47	1-20-47	3240
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-7-48	11-8-46	2280
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	3-4-48	2-13-48	1204
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	2-2-48	10-22-47	1242
44. HARVEY, L. P., Refrigeration; Preserving	10-28-46	9-27-46	1127
45. MANTER W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-18-47	10-21-46	2534
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-7-47	11-29-46	1820

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,255. Date of oldest new application, October 28, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	1-16-48	8-2-47	2163
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	2-24-48	6-2-47	1450
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	10-22-47	8-30-47	1576
50. LEVIN, SAMUEL, Synthetic Resins	3-1-48	11-21-47	2154
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	2-14-48	9-8-47	1773
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	11-17-47	1-7-47	3844
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	5-29-47	10-14-46	3565
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	2-14-48	8-7-47	1675
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	10-31-47	11-4-47	1869
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Heating and Illuminating Gas	2-12-48	11-26-47	969
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	5-31-47	1-23-47	3577
58. DOWELL, E. F., Abrading; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	3-11-47	2132
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	10-9-47	5-28-47	2064
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	3-16-48	9-10-47	1337
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	1-8-47	8-27-46	3769
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	8-26-47	9-26-46	1779
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	1-19-48	9-23-47	1263
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous	4-16-48	4-12-48	1521
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	2-19-48	8-2-47	2222
66. LISANN, L., Geometrical Instruments	9-2-47	4-16-46	2030
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	11-1-47	5-14-47	1960
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	3-18-48	9-12-47	1493
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	4-9-47	1-16-47	2065
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R. (Chemical Arts).	3-1-48	7-18-47	142
DESIGNS: BREHM, G. L.	3-25-47	3-15-48	7392

Total number of trade-mark applications awaiting action (including renewals and republications), 38,024. Date of oldest new application, Sept. 15, 1947; date of oldest amended application, Mar. 27, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	1-12-48	6-25-48	2996
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	10-15-47	5-3-48	5604
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-3-47	6-9-48	4903
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-23-47	4-1-48	4372
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	10-10-47	4-21-48	3489
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	1-26-48	9-3-48	3112
7. KEYS, O. M., Classes 16, 19, 55	9-15-47	3-27-48	2135
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	10-8-48 / 11-24-47	10-17-48 / 10-14-48	118 / 11,205

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A & B Sales Corporation, Hillside, N. J. Chemical preparation. Serial No. 539,464, Nov. 30. Class 6.

Abernathy, Walter H., Memphis, Tenn. Investigation, ascertaining and procurement of evidence for legal proceedings, location and pursuit of missing persons. Serial No. 541,139, Nov. 30. Class 55.

Adams & Westlake Company, The, Chicago, Ill. Window blinds, window shades, and window shade rollers. Serial No. 525,517, Nov. 30. Class 32.

Aetna Casualty and Surety Company, The,, Hartford, Conn. Apparatus to test the competence of an automobile driver. Serial No. 529,536, Nov. 30. Class 26.

Aetna Casualty and Surety Company, The, Hartford, Conn. Apparatus to measure the time taken by an automobile driver to respond (1) mentally and (2) physically to evidence of imminent personal peril. Serial No. 529,537, Nov. 30. Class 26.

Aetna Casualty and Surety Company, The, Hartford, Conn. Apparatus to measure the peripheral vision of an automobile driver. Serial No. 529,538, Nov. 30. Class 26.

Aetna Casualty and Surety Company, The, Hartford, Conn. Apparatus to measure an automobile driver's resistance to automobile headlight glare. Serial No. 529,539, Nov. 30. Class 26.

Affiliated Retailers, Inc., New York, N. Y. Radio and television tubes. Serial No. 493,710, Nov. 30. Class 21.

Affiliated Retailers, Inc., New York, N. Y. Suitcases, portfolios, pocketbooks, etc. Serial No. 542,498, Nov. 30. Class 3.

Airborne Instruments Laboratory, Inc., Mineola, N. Y. Radio receivers and parts therefor. Serial No. 517,946, Nov. 30. Class 21.

Allegheny Ludlum Steel Corporation, Pittsburgh, Pa. Graphite steel in the form of ingots, billets, bars, etc. Serial No. 523,559, Nov. 30. Class 14.

Allen, Paul E., Chicago, Ill. Electrically heated bottle warmers and electric nursery lamps. Serial No. 523,699, Nov. 30. Class 21

American Silk Mills Inc., New York, N. Y. Textile piece goods. Serial No. 546,454, Nov. 30. Class 42.

American Silk Mills Inc., New York, N. Y. Textile piece goods of rayon. Serial No. 549,104, Nov. 30. Class 42.

American Society of Tool Engineers, Detroit, Mich. Publicity, advertising and promotion brochures and circulars; certificates and dues cards, etc. Serial No. 536,033, Nov. 30. Class 38.

American Boys' Comics, Inc., assignor to Headline Publications, Inc., New York, N. Y. Periodical publication. Serial No. 548,210, Nov. 30. Class 38.

Ampco Metal, Inc., Milwaukee, Wis. Wear resistant and corrosion resistant finished machine parts, etc. Serial No. 467,483, Nov. 30. Class 23.

Anderson, William R., doing business as Read-A-Gram Company, Trenton, Mich. Printed cards. Serial No. 521,425, Nov. 30. Class 38.

Angelus Souvenir & Mfg. Co., Los Angeles, Calif. Children's cowboy clothing. Serial No. 560,747, Nov. 30. Class 39.

Angier Chemical Company, Allston and Boston, Mass. Emulsion of refined petroleum. Serial No. 530,906, Nov. 30. Class 6.

Appliance Corporation of America, Milwaukee, Wis. Automatic household laundry washing machines. Serial No. 518,743, Nov. 30. Class 24.

Arrow Supply & Tool Co., New York, N. Y. Green rouge in stick form, red rouge, white rouge, etc. Serial No. 533,970, Nov. 30. Class 4.

Artistic Foundations, Inc., New York, N. Y. Girdles, corsets and brassières, and combinations thereof. Serial No. 547,222, Nov. 30. Class 39.

Ayoub, Joseph A., doing business as Blou-Slip Co., San Francisco, Calif. Blouses, slips and combination half-slips and blouses for women and girls. Serial No. 527,048, Nov. 30. Class 39.

Balston, W. & R., Limited, Kent, England. Folded filter papers. Serial No. 538,709, Nov. 30. Class 31.

Bannister, Constance, New York, N. Y. Face and body powder. Serial No. 489,164, Nov. 30. Class 6.

Beach Publishing Company, Detroit, Mich. Traveler's expense books. Serial No. 537,130, Nov. 30. Class 37.

Becton, Dickinson & Co., Rutherford, N. J. Hypodermic syringes and parts thereof; bulb syringes and parts thereof, etc. Serial No. 501,158, Nov. 30. Class 44.

Bell & Howell Company, Chicago, Ill. Photographic cameras. Serial No. 529,578, Nov. 30. Class 26.

Benard & Honnorat, doing business as Molinard, Grasse, France. Perfumes, toilet water, cologne, etc. Serial No. 551,357, Nov. 30. Class 6.

Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, installment loan and instalment credit business. Serial No. 527,269, Nov. 30. Class 55.

Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan instalment loan and instalment credit business. Serial No. 527,271, Nov. 30. Class 55.

Bent, G. R., & Co.: *See*—
Bent, George R.

Bent, George R., doing business as G. R. Bent & Co., Chicago, Ill. Lip sticks. Serial No. 552,832, Nov. 30. Class 6.

Bent, George R., doing business as G. R. Bent & Co., Chicago, Ill. Nail lacquers. Serial No. 552,833, Nov. 30. Class 6.

Berger, Alfred, doing business as Veterans Post, and The Best Publishing Company, San Francisco, Calif. Veterans' newspaper. Serial No. 520,198, Nov. 30. Class 38.

Best Publishing Company, The: *See*—
Berger, Alfred.

Best, Richard, Pencil Company, Inc., Springfield, N. J. Lead pencils. Serial No. 537,967, Nov. 30. Class 37.

Beverwyck Breweries, Inc., Albany, N. Y. Ale. Serial No. 528,250, Nov. 30. Class 48.

Bewley Mills, Fort Worth, Tex. Wheat flour. Serial No. 517,607, Nov. 30. Class 46.

Blou-Slip Co.: *See*—
Ayoub, Joseph A.

Bohemian Distributing Company, also doing business as International Products Company, Los Angeles, Calif. Grenadine syrup for flavoring alcoholic liquors. Serial No. 511,979, Nov. 30. Class 49.

Bohemian Distributing Company, also doing business as International Products Company, Los Angeles, Calif. Vodka and ethyl alcohol. Serial No. 525,774, Nov. 30. Class 49.

Borg-Warner Corporation, Chicago, Ill. Water coolers and parts thereof. Serial No. 524,053, Nov. 30. Class 31.

Brinks, Incorporated, Chicago, Ill. Receiving checks, cashing the same, making up payrolls, etc. Serial No. 531,432, Nov. 30. Class 55.

Buehner & Wanner, Inc., New York, N. Y. Electric lamps. Serial No. 544,697, Nov. 30. Class 21.

Buffalo Fire Appliance Corporation, Dayton, Ohio. Chemical kits. Serial No. 550,990, Nov. 30. Class 6.

Burlington Mills, Inc., Burlington, Wis. Hair, wool and jute-felt products, etc. Serial No. 530,618, Nov. 30. Class 50.

Burnand, A. A., Jr., doing business as Burnand & Company, Nogales, Ariz. Fresh tomatoes. Serial No. 512,817, Nov. 30. Class 46.

Burnand & Company: *See*—
Burnand, A. A., Jr.

Business Collaborators Incorporated, St. Louis, Mo. Business and management planning and consultation services. Serial No. 527,394, Nov. 30. Class 55.

Calthorpe, M., & Company Limited, Ossett, England. Medicinal tonic in tablet form. Serial No. 507,356, Nov. 30. Class 6.

Canner Publishing Company, The, Chicago, Ill. Periodical. Serial No. 547,232, Nov. 30. Class 38.

Carol-Line Products Company: *See*—
Specht, Carl J.

Carter's Ink Company, The, Cambridge, Mass. Ink eradicator. Serial No. 551,521, Nov. 30. Class 6.

Causse Manufacturing & Importing Co., Bound Brook and Jersey City, N. J. Glace, crystallized and drained Bigarreaux and Maraschino cherries, etc. Serial No. 538,605, Nov. 30. Class 46.

Cavalier Corporation, Chattanooga, Tenn. Combination dresser and chest. Serial No. 545,077, Nov. 30. Class 32.

Cereal Satps Company, Inc., New York, N. Y. Combs. Serial No. 550,485, Nov. 30. Class 40.

Chaffee, H. S., Company, Buffalo, N. Y. Cooling and freezing compartments or rooms and parts thereof in prefabricated form. Serial No. 491,543, Nov. 30. Class 31.

Champall Mfg. Co.: *See*—
Kuhl, Gerald L.

Charmette Fabrics Co. Inc., New York, N. Y. Fabrics in the piece. Serial No. 518,818, Nov. 30. Class 42.

Chicago Electric Manufacturing Company, Chicago, Ill. Electric ice cream freezers. Serial No. 529,358, Nov. 30. Class 31.

Chichester, George D., Pittsburgh, Pa. Electrical sound reproducing loudspeakers, microphones and earphones. Serial No. 508,889, Nov. 30. Class 21.

China & Glass Distributors, Inc., New York, N. Y. Chinaware, pottery, crockery, etc. Serial No. 528,771, Nov. 30. Class 30.

Ciba Limited: *See*—
Society of Chemical Industry in Basle.

Clark, J. R., Company, The, Minneapolis, Minn. Ladders, step ladders and extension ladders. Serial No. 530,377, Nov. 30. Class 50.

Cleveland Trust Company, The, Cleveland, Ohio. General banking services. Serial No. 540,172, Nov. 30. Class 55.
Clorox Chemical Co., Oakland, Calif. Bleaching, cleansing, antiseptic and germicidal compound. Serial No. 542,284.
Clark Equipment Company, Buchanan, Mich. Power operated industrial material handling truck. Serial No. 528,262, Nov. 30. Class 19.
Nov. 30. Class 6.
Colson Corporation, The, Elyria, Ohio. Children's vehicles. Serial No. 470,298, Nov. 30. Class 22.
Conn, C. G., Ltd., Elkhart, Ind. Cymbals. Serial No. 511,539. Nov. 30. Class 36.
Continental Air Filters, Inc., Louisville, Ky. Self cleaning air filter. Serial No. 524,526, Nov. 30. Class 31.
Contractors Machinery Company, Inc., Batavia, N. Y. Road construction and maintenance machinery, etc. Serial Nos. 535,814–15, Nov. 30. Class 23.
Control Corporation, The, Minneapolis, Minn. Load controls for power lines. Serial No. 522,002, Nov. 30. Class 21.
Corn Products Refining Company, New York, N. Y. Chemicals derived from corn. Serial No. 514,937, Nov. 30. Class 6.
Corn Products Refining Company, New York, N. Y. Corn starch. Serial No. 551,440, Nov. 30. Class 6.
Cory Corporation, Chicago, Ill. Coffee brewer filters. Serial No. 534,092, Nov. 30. Class 31.
Crompton Company, Crompton, R. I. Fabrics in the piece. Serial No. 543,126, Nov. 30. Class 42.
Crouch & Fitzgerald Corporation, New York, N. Y. Suit cases, traveling bags, portfolios, etc. Serial No. 545,241, Nov. 30. Class 3.
Cucamonga Valley Wine Company: *See*—
Val, Giovanni.
Culligan Zeolite Company, Northbrook, Ill. Unprocessed and graded silica sand. Serial No. 515,087, Nov. 30. Class 1.
Curtis, A. W., Jr., doing business as A. W. Curtis Laboratories, Detroit, Mich. Face creams, face powders, make-up in cake form, etc. Serial No. 519,735, Nov. 30. Class 6.
Curtis, A. W., Laboratories: *See*—
Curtis, A. W., Jr.
Cussins and Fearn Company, The, Columbus, Ohio. Rolled roofing. Serial No. 551,366, Nov. 30. Class 12.
Darling and Company, Chicago, Ill. Fertilizers. Serial No. 528,558, Nov. 30. Class 10.
Dayton Fur Cleaning Co., The, Dayton, Ohio. Cleaning service for furs and fur garments. Serial No. 531,393, Nov. 30. Class 55.
Defoe Shipbuilding Co., Bay City, Mich. Trade periodicals. Serial No. 476,902, Nov. 30. Class 38.
Demert & Dougherty, Inc., Chicago, Ill. Lubricating oils. Serial No. 533,284, Nov. 30. Class 15.
Dennisons Foods: *See*—
Edris, Wm., Co.
Denver Fire Clay Company, The, Denver, Colo. Calcined diaspore. Serial No. 550,394, Nov. 30. Class 12.
Depuy Manufacturing Company: *See*—
Leiter, H. Herschel.
Detroit-Michigan Stove Company, Detroit, Mich. Electric ranges. Serial No. 532,280, Nov. 30. Class 21.
Detroit Sulphite Pulp & Paper Company, Detroit, Mich. Tag boards, bristol boards and wrapping papers. Serial No. 531,449, Nov. 30. Class 37.
Dewey and Almy Chemical Company, Cambridge, Mass. Wax or petroleum wax base compositions. Serial No. 481,886, Nov. 30. Class 6.
Doyle Packing Company, Los Angeles, Calif. Canned cat and puppy food. Serial No. 544,429, Nov. 30. Class 46.
Doyle Packing Company, North Kansas City, Mo., and Los Angeles, Calif. Canned dog food. Serial No. 544,430, Nov. 30. Class 46.
Doyle Packing Company, Los Angeles, Calif. Canned dog and cat food. Serial No. 544,431, Nov. 30. Class 46.
Dumond Linen Corporation, New York, N. Y. Pillow slips. Serial Nos. 557,442–3, Nov. 30. Class 42.
Dutchess Underwear Corp., New York, N. Y. Ladies' underwear, pajamas, nightgowns, and dresses. Serial Nos. 516,679–80, Nov. 30. Class 39.
E. A. Laboratories, Inc., Brooklyn, N. Y. Electric fans. Serial No. 531,655, Nov. 30. Class 21.
Easley, Andrew W., doing business as The Easley Company, Bluefield, W. Va. Preparation for the treatment of the hair and scalp. Serial No. 560,192, Nov. 30. Class 6.
Easley Company, The: *See*—
Easley, Andrew W.
Ebco Manufacturing Company, The: *See*—
Ebco Manufacturing Company.
Ebco Manufacturing Company, assignor to The Ebco Manufacturing Company, Columbus, Ohio. Water cooling apparatus. Serial No. 534,522, Nov. 30. Class 31.
Edris, Wm., Co., also doing business as Dennisons Foods, Seattle, Wash. Canned pork and beans, tomato puree, tomato catsup, etc. Serial No. 529,239, Nov. 30. Class 46.
Electro Manufacturing Corporation, Chicago, Ill. Germicidal lamps. Serial No. 528,915, Nov. 30. Class 21.
Ellis, Lucian F., doing business as Rube's Food Products Company, Los Angeles, Calif. Pie crust mix; biscuit mix; gravy mix; etc. Serial No. 488,893, Nov. 30. Class 46.
Ellison, Ben, doing business as Hollywood International Records, Los Angeles, Calif. Grooved phonograph records. Serial No. 510,885, Nov. 30. Class 36.
Emarco Corporation: *See*—
Le-Lite, Inc.
Enger-Kress Company, West Bend, Wis. Billfolds. Serial No. 556,564, Nov. 30. Class 3.
Enterprise Manufacturing Co., The, Akron, Ohio. Fishing leaders. Serial No. 543,426, Nov. 30. Class 22.
Enzinger Union Corporation, Angola, N. Y. Filters employing a filtermass of cotton or other fibrous material. Serial No. 528,266, Nov. 30. Class 31.
Evans Honey Co., Los Angeles, Calif. Olive oil, imitation vanilla flavoring, bottled green olives, etc. Serial No. 536,247, Nov. 30. Class 46.
Everfast Fabrics, Inc., New York, N. Y. Cotton yarns. Serial No. 546,207, Nov. 30. Class 43.
Exhibit Supply Company, Chicago, Ill. Coin-controlled ball rolling game. Serial No. 529,249, Nov. 30. Class 22.
Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. Serial Nos. 542,551–2, Nov. 30. Class 22.
Fee & Stemwedel, Inc., Chicago, Ill. Sport glasses, binoculars, field glasses, etc. Serial No. 534,887, Nov. 30. Class 26.
Ferry Cap & Set Screw Company, The, Cleveland, Ohio. Hexagon head screws. Serial No. 534,009, Nov. 30. Class 13.
Firestone Tire & Rubber Company, The, Akron, Ohio. Automobile tire treads and camelback. Serial No. 547,251, Nov. 30. Class 35.
Flintkote Company, The, New York, N. Y. Quick-setting, high-strength cement. Serial No. 537,578, Nov. 30. Class 5.
Foreman Fabrics Corp., New York, N. Y. Woven textile fabrics. Serial No. 507,386, Nov. 30. Class 42.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper. Serial Nos. 543,165–7, Nov. 30. Class 37.
Fort Howard Paper Company, Green Bay, Wis. Paper napkins. Serial No. 543,169, Nov. 30. Class 37.
Frances Shop, Inc., The, South Bend, Ind. Women's and misses' skirts, coats, dresses, etc. Serial No. 502,572, Nov. 30. Class 39.
Garretson, Lloyd, Company, Yakima, Wash. Fresh deciduous fruits. Serial No. 525,586, Nov. 30. Class 46.
Gates Rubber Company, The, Denver, Colo. Electric storage batteries and storage battery casings. Serial No. 537,170, Nov. 30. Class 21.
Geigy Company, Inc., New York, N. Y. Insecticides. Serial No. 543,175, Nov. 30. Class 6.
Gibson Refrigerator Company, Greenville, Mich. Refrigerators. Serial No. 532,025, Nov. 30. Class 31.
Glenmore Novelty Co., Inc.: *See*—
Tedoff, Samuel R.
Glidden Company, The, Cleveland, Ohio. Herbicides and insecticides. Serial No. 545,364, Nov. 30. Class 6.
Golde Manufacturing Co., Chicago, Ill. Slide projectors. Serial No. 540,993, Nov. 30. Class 26.
Goldner, Julius, doing business as Warwick Laboratories Company, Brooklyn, N. Y. Hydraulic brake fluid. Serial No. 519,815, Nov. 30. Class 6.
Good Luck Glove Company, Carbondale, Ill. Fabric work gloves. Serial No. 529,031, Nov. 30. Class 39.
Grace Corset Company, Kalmazoo, Mich. Corsets. Serial No. 540,276, Nov. 30. Class 39.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Toilet and facial tissue. Serial No. 537,450, Nov. 30. Class 37.
Great Plains Seed Co., Sioux Falls, S. Dak. Farm and garden seeds. Serial No. 545,476, Nov. 30. Class 1.
Greenebaum, J., Tanning Co., Chicago, Ill. Leather. Serial No. 529,052, Nov. 30. Class 1.
Griffin Chemical Company, San Francisco, Calif. Acetal; acetaldehyde; acetamide, etc. Serial No. 531,801, Nov. 30. Class 6.
Haas Brothers, San Francisco, Calif. Wax paper and toilet paper. Serial No. 543,602, Nov. 30. Class 37.
Haas-Miller Corporation, Philadelphia, Pa. Self-emulsifiable oil. Serial No. 560,106, Nov. 30. Class 6.
Halitosine Company, St. Louis, Mo. Mouth wash. Serial No. 523,314, Nov. 30. Class 6.
Handal, S., & Sons, Inc., New York, N. Y. Cotton piece goods. Serial No. 537,584, Nov. 30. Class 42.
Hanlon, Howard H., Inc., Seattle, Wash., by change of name from Hanlon-Shortall Company, Inc. Women's hats. Serial No. 517,636, Nov. 30. Class 39.
Hanlon-Shortall Company, Inc.: *See*—
Hanlon, Howard H., Inc.
Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycle generators and spare parts for same, wiring and wiring harnesses for motorcycles, switches, etc. Serial No. 531,113, Nov. 30. Class 21.
Headline Publications, Inc., assignee: *See*—
American Boys' Comics, Inc.
Hellige, Inc., Long Island City, N. Y. Photoelectric colorimeters. Serial No. 501,908, Nov. 30. Class 26.
Hettrick Manufacturing Company, The, Toledo, Ohio. Gliders, chairs, and tables. Serial No. 531,130, Nov. 30. Class 32.
Hill Manufacturing Company, Atlanta, Ga. Silver polish. Serial No. 544,348, Nov. 30. Class 4.
Hollywood International Records: *See*—
Ellison, Ben.

Hollywood Piece Dye Works, Inc.: *See*—
Passaic Piece Dye Works.
Horder's, Incorporated, Chicago, Ill. Wrapping paper. Serial No. 536,525, Nov. 30. Class 37.
Horton Manufacturing Company, The, Bristol, Conn. Fishing reels. Serial No. 542,023, Nov. 30. Class 22.
Howard, Catherine A., Cambridge, Mass. Sets of pictures with biographics and an accompanying history. Serial No. 533,312, Nov. 30. Class 38.
Howard, Dorothy D., doing business as Wright Drug Company, Greenville, S. C. Medicine for the relief of poison oak and poison ivy. Serial No. 549,257, Nov. 30. Class 6.
Hy-Pure Laboratories, Inc., Cincinnati, Ohio. Preparation for relieving heartburn, flatulence, sour stomach, etc. Serial No. 551,456, Nov. 30. Class 6.
Hy-Pure Laboratories, Inc., Cincinnati, Ohio. Preparation for use as an expectorant. Serial No. 551,457, Nov. 30. Class 6.
Indianapolis Glove Company, Indianapolis, Ind. Work gloves. Serial No. 536,610, Nov. 30. Class 39.
Indianapolis Glove Company, Indianapolis, Ind. Work gloves. Serial No. 536,614, Nov. 30. Class 39.
Indianapolis Glove Company, Indianapolis, Ind. Fabric work gloves. Serial No. 536,618, Nov. 30. Class 39.
Institute of Gas Heating Industries, Los Angeles, Calif. Gas heating equipment or apparatus. Serial No. 547,992, Nov. 30. Class 34.
International Products Company: *See*—
Bohemian Distributing Company.
Interstate Engineering Corporation, El Segundo, Calif. Electric water coolers. Serial No. 506,319, Nov. 30. Class 31.
Irving Subway Grating Co. Inc., Long Island City, N. Y. Metal gratings. Serial No. 551,896, Nov. 30. Class 12.
Jamieson Pharamacal Company, Detroit, Mich. Liquid pharmaceutical compositions. Serial No. 523,469, Nov. 30. Class 6.
Janitors Supply House, Incorporated, Baltimore, Md. Scouring powder, soap powder, liquid soap, etc. Serial No. 547,996, Nov. 30. Class 4.
Joanna Western Mills Company, Chicago, Ill. Window shades. Serial No. 536,795, Nov. 30. Class 22.
Johnson & Johnson, New Brunswick, N. J. Dental floss. Serial No. 548,505, Nov. 30. Class 44.
Johnson, Walter H., Candy Co., Chicago, Ill. Candy. Serial No. 538,008, Nov. 30. Class 46.
Kiddie-Wear of California, Inc., Santa Barbara, Calif. Children's sleeping garments and play clothes. Serial No. 518,010, Nov. 30. Class 39.
Kirby, Beard & Co. Ltd., Birmingham, England. Pins and hairpins of non-precious metals. Serial No. 555,756, Nov. 30. Class 40.
Kline's Prepared Foods, Inc., Orlando, Fla. Prepared pie crust mix. Serial No. 506,035, Nov. 30. Class 46.
Ko-Lube Co.: *See*—
Opdyke, Charles J.
Kraft Foods Company, Chicago, Ill. Cheese. Serial No. 537,461, Nov. 30. Class 46.
Kruger, David O., doing business as Kruger Surgical Company, Los Angeles, Calif. Corsets. Serial No. 519,823, Nov. 30. Class 39.
Kruger Surgical Company: *See*—
Kruger, David O.
Kuhl, Gerald L., doing business as Champall Mfg. Co., Chester, Minn. Loaders for loading material into wagons or trucks, hitches, and snow plows. Serial No. 523,968, Nov. 30. Class 23.
Kuhn, Blum & Co., Inc., Philadelphia, Pa. Window curtains, bedspreads, pillow shams, etc. Serial No. 544,884, Nov. 30. Class 42.
Lanchere, Inc., Chicago, Ill. Perfume, toilet water, cologne, etc. Serial No. 525,603, Nov. 30. Class 6.
Leiter, H. Herschel, doing business as Depuy Manufacturing Company, Warsaw, Ind. Fracture appliances. Serial No. 527,043, Nov. 30. Class 44.
Le-Lite, Inc., assignor to Emarco Corporation, Chicago, Ill. Electrically operated signal lights. Serial No. 531,219, Nov. 30. Class 21.
Levin, Louis and Son, Inc., Los Angeles, Calif. Depth micrometers, jewel hole gages, and oil well surveying instruments. Serial No. 538,300, Nov. 30. Class 26.
Lewis Bros., Inc., New York, N. Y. Hair dressing preparations. Serial No. 548,969, Nov. 30. Class 6.
Libel-Flarsheim Company, The, Cincinnati, Ohio. Electrosurgical machines. Serial No. 543,007, Nov. 30. Class 44.
Lily-Tulip Cup Corporation, New York, N. Y., assignee of Universal Paper Products Company, Chicago, Ill. Paper dishes. Serial No. 514,234, Nov. 30. Class 2.
Lullabye Furniture Corporation, Stevens Point, Wis. Furniture. Serial No. 537,771, Nov. 30. Class 32.
Magna Co., The, St. Louis, Mo. Frames for eyeglasses. Serial No. 549,080, Nov. 30. Class 26.
Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric current rectifiers, electric battery chargers, and rectifier battery chargers. Serial No. 526,656, Nov. 30. Class 21.
Marsh Stencil Machine Company, Belleville, Ill. Stencil marking inks. Serial No. 542,221, Nov. 30. Class 11.
Massachusetts Mattress Company, Boston, Mass. Bedding. Serial No. 523,904–5, Nov. 30. Class 32.
Massachusetts Mattress Company, Boston, Mass. Bedding. Serial No. 523,907, Nov. 30. Class 32.
Massachusetts Mattress Company, Boston, Mass. Bedding. Serial No. 523,913–14, Nov. 30. Class 32.
Matey Company, Inc., The, New York, N. Y. Maltless soft drinks and beverage bases. Serial No. 539,331, Nov. 30. Class 45.
Mato-Mix, Inc., Stockton, Calif. Canned concentrated puree of tomatoes. Serial No. 519,767, Nov. 30. Class 46.
McCleery, Daniel R., Alma, Nebr. Nonalcoholic maltless sirup. Serial No. 536,409, Nov. 30. Class 45.
McLeod, John F., doing business as McLeod Rubber Co., Hendersonville, N. C. Hydraulic brake fluid. Serial No. 552,680, Nov. 30. Class 6.
McLeod Rubber Co.: *See*—
McLeod, John F.
Meadtex Fabrics Co., New York, N. Y. Piece goods. Serial No. 522,281, Nov. 30. Class 42.
Medicone Company, New York, N. Y. Medicinal products. Serial No. 504,917, Nov. 30. Class 6.
Meis, Charles, Shoe Company, The, Cincinnati, Ohio. Women's and misses' shoes. Serial No. 489,406, Nov. 30. Class 39.
Mendell, Edward, Co., Inc., New York, N. Y. Brokerage services rendered in connection with the importation and exportation of dye-stuffs and textiles. Serial No. 530,753, Nov. 30. Class 55.
Mennen Company, The, Newark, N. J. Soaps, and shaving creams, lathering and non-lathering types. Serial No. 543,208, Nov. 30. Class 4.
Mentone Heights Association, Mentone, Calif. Fresh oranges. Serial No. 516,779, Nov. 30. Class 46.
Merckens Chocolate Company, Inc., Buffalo, N. Y. Chocolate coatings, chocolate liquors, cocoapowders, etc. Serial No. 530,539, Nov. 30. Class 46.
Miller, H. T., Company, New York, N. Y. Fabrics in the piece. Serial No. 551,296, Nov. 30. Class 42.
Mills Industries, Incorporated, Chicago, Ill. Automatic selective phonograph machines. Serial No. 535,065, Nov. 30. Class 21.
Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Agricultural machinery. Serial No. 528,356, Nov. 30. Class 23.
Molinard: *See*—
Benard & Honnorat.
Morris, Norman M., Incorporated, New York, N. Y. Watches. Serial No. 521,026, Nov. 30. Class 27.
Mortell, J. W., Company, Kankakee, Ill. Liquid asphaltic material. Serial No. 511,348, Nov. 30. Class 12.
Mueller Brass Co., Port Huron, Mich. Lawn sprinklers. Serial No. 515,124, Nov. 30. Class 13.
Mus-Ed Record Co., San Francisco, Calif. Mechanically grooved phonograph records. Serial No. 541,320, Nov. 30. Class 36.
National Distillers Products Corporation, New York, N. Y. Whiskey. Serial No. 528,130, Nov. 30. Class 49.
National Starch Products, Inc., New York, N. Y. Food starches. Serial No. 528,636, Nov. 30. Class 46.
Naturo Mfg. Co., Los Angeles, Calif. Products used in preparation and preservation of the human dead, etc. Serial No. 542,048, Nov. 30. Class 6.
Neumann, Walter, New York, N. Y. Medicinal preparations. Serial No. 544,595, Nov. 30. Class 6.
Niles-Bement-Pond Company, assignee: *See*—
Potter and Johnston Machine Company.
Nivia Watch Mfg. Co., Ltd., Bienne, Switzerland. Watches and watch movements. Serial No. 514,836, Nov. 30. Class 27.
Noel & Cia. Ltda. Sociedad Argentina De Dulces y Conservas, Buenos Aires, Argentina. Candies. Serial No. 480,997, Nov. 30. Class 46.
Northcutt, F. J., doing business as Valley Coffee Mills, McAllen, Tex. Coffee. Serial No. 520,968, Nov. 30. Class 46.
Northwestern Jewelry Co., Inc., St. Paul, Minn. Jewelry. Serial No. 553,010, Nov. 30. Class 28.
Old Professor, Inc., The, Brooklyn, N. Y. Daily racing publications. Serial No. 515,040–1, Nov. 30. Class 38.
Opdyke, Charles J., doing business as Ko-Lube Co., Lansing, Mich. Lubricating oil. Serial No. 512,783, Nov. 30. Class 15.
Optron Laboratory, Dayton, Ohio. Optical measuring instruments. Serial No. 515,777, Nov. 30. Class 26.
Package Products: *See*—
Poole, Jessie B.
Parker Bros., New York, N. Y. Combs. Serial No. 539,736, Nov. 30. Class 40.
Parness, William, doing business as Somm-Cola Bottling Company, New York, N. Y. Non-alcoholic carbonated beverage. Serial No. 539,076, Nov. 30. Class 45.
Passaic Piece Dye Works, Passaic, N. J., now by change of name Hollywood Piece Dye Works, Inc. Grease-resistant fabrics. Serial No. 544,905, Nov. 30. Class 42.
Peerless Electrical Products Company, Los Angeles, Calif. Radio receiver components. Serial No. 521,683, Nov. 30. Class 21.
Pharma-Craft Corporation, The, New York, N. Y. Deodorant and nonperspirant. Serial No. 543,373, Nov. 30. Class 6.
Phillips Petroleum Company, Bartlesville, Okla. Frozen food cabinets. Serial No. 500,018, Nov. 30. Class 31.
Pico Company, Inc., Detroit, Mich. Domestic lighting appliances. Serial No. 547,027, Nov. 30. Class 21.

Pincus, Bernard S., Company, Philadelphia, Pa. Meats and meat products. Serial No. 505,922, Nov. 30. Class 46.

Planters Nut & Chocolate Company, Suffolk, Va., and Wilkes-Barre, Pa. Salted peanuts, peanut candy, chocolate covered peanuts, etc. Serial No. 535,617, Nov. 30. Class 46.

Pomona Fruit Growers Exchange, Pomona, Calif. Fresh citrus fruits. Serial No. 538,958, Nov. 30. Class 46.

Poole, Jessie B., doing business as Package Products, Toronto, Ontario, Canada. General purpose cleanser. Serial No. 522,019, Nov. 30. Class 4.

Poole, Jessie B., doing business as Package Products, Toronto, Ontario, Canada. General purpose cleaner. Serial No. 522,057, Nov. 30. Class 4.

Potter and Johnston Machine Company, Pawtucket, R. I., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Machine tools. Serial No. 541,724, Nov. 30. Class 23.

Price, L. B., Mercantile Company, The, St. Louis, Mo. Blankets. Serial No. 531,714, Nov. 30. Class 42.

Procter & Gamble Company, The, Cincinnati, Ohio. Processed deodorized edible vegetable oil. Serial No. 527,684, Nov. 30. Class 46.

Quaker Maid Company, Inc., The, New York, N. Y. Ketchup; chili sauce; cocoa; etc. Serial No. 528,741, Nov. 30. Class 46.

Read-A-Gram Company: *See*—
Anderson, William R.

Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Men's leather sandals. Serial No. 527,982, Nov. 30. Class 39.

Reliance Gauge Column Company, The, Cleveland, Ohio. Liquid level gauges and indicators, parts and fittings thereof. Serial No. 529,694, Nov. 30. Class 26.

Reliance Gauge Column Company, The, Cleveland, Ohio. Liquid level gauges and indicators, parts and fittings thereof. Serial No. 529,700, Nov. 30. Class 26.

Reese Padlock Company, Lancaster, Pa. Padlocks. Serial No. 536,289, Nov. 30. Class 25.

Richmond Piece Dye Works, Inc., Richmond, Va. Washing, dyeing, and creaseproofing of textile fabrics in the piece. Serial No. 529,493, Nov. 30. Class 55.

Rico Leather Specialty Inc., Chicago, Ill. Wallets, pocket secretaries, key cases, etc. Serial No. 512,798, Nov. 30. Class 3.

Rico Leather Specialty Inc., Chicago, Ill. Wallets, pocket secretaries, key cases, etc. Serial No. 548,408, Nov. 30. Class 3.

Ries, Albert, doing business as Royal Fastener Company, New York, N. Y. Slide fasteners. Serial No. 519,898, Nov. 30. Class 13.

Rig Products Company: *See*—
Wiles, Russell, Jr.

Rock, Murray, doing business as Murray Rock and Company, Dayton, Ohio. Hair coloring solution. Serial No. 524,422, Nov. 30. Class 6.

Rock, Murray, and Company: *See*—
Rock, Murray.

Rodney Blouses, Inc., New York, N. Y. Women's and misses' blouses. Serial No. 515,908, Nov. 30. Class 39.

Rogers Imports Inc., New York, N. Y. Humidifiers for tobacco products. Serial No. 502,718, Nov. 30. Class 8.

Roosen Silks Limited, London, England. Piece goods. Serial No. 504,070, Nov. 30. Class 42.

Royal Fastener Company: *See*—
Ries, Albert.

Rube's Food Products Company: *See*—
Ellis, Lucian F.

Rudolph, C. B., Inc., Philadelphia, Pa. Bank deposit forms. Serial No. 535,628, Nov. 30. Class 37.

Rutland Fire Clay Company, Rutland, Vt. Compound including asbestos to be mixed with water to make a plastic stove lining. Serial No. 541,185, Nov. 30. Class 12.

Rutland Fire Clay Company, Rutland, Vt. Spackling compound, etc. Serial No. 541,189, Nov. 30. Class 12.

Rydstrom, Jean O., Glenview, Ill. Piano pedal stools. Serial No. 519,983, Nov. 30. Class 32.

Salinas Marketing Cooperative, Salinas, Calif. Fresh vegetables. Serial No. 534,675, Nov. 30. Class 46.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables. Serial No. 466,023, Nov. 30. Class 46.

Sandee Manufacturing Company, Chicago, Ill., assignee of E. D. Szantay. Synthetic plastic materials. Serial No. 476,853, Nov. 30. Class 1.

Saratoga Laboratories Inc., New York and Saratoga Springs, N. Y. Mineral fertilizer. Serial No. 558,814, Nov. 30. Class 10.

Sauer, Leo A., doing business as V-O Manufacturing Company, North Hollywood, Calif. Chemical composition. Serial No. 552,273, Nov. 30. Class 6.

Scott, Lawrence B., Long Island City, N. Y. Metallic rods and elements for repairing cracked and broken castings of steel, iron, or other metals. Serial No. 485,926, Nov. 30. Class 14.

Sculpture Curler Company, Inc., The, Berkeley, Calif. Non-electric hair curlers. Serial No. 544,400, Nov. 30. Class 40.

Selavision Company, Greensboro, N. C. Sales presentations in book or pamphlet form. Serial No. 502,409, Nov. 30. Class 38.

Service Recorder Company, The, Cleveland, Ohio. Instruments for recording the periods of operation and rest of machinery, etc. Serial No. 546,336, Nov. 30. Class 26.

Seville Olive Co., San Francisco, Calif. Green olives, stuffed olives, and cocktail onions. Serial No. 531,522, Nov. 30. Class 46.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. Serial No. 550,622, Nov. 30. Class 6.

Shawnee Pottery Company, Zanesville, Ohio. Ceramic sock darners. Serial No. 523,133, Nov. 30. Class 40.

Smith, Arthur E., Los Angeles, Calif. Hypodermic syringes, hypodermic needles, instruments used in the production of intra-osseous anesthesia, etc. Serial No. 527,218, Nov. 30. Class 44.

Smucker, J. M., Co., The, Orrville, Ohio. Apple butter, jellies, and apricot nectar. Serial No. 533,411, Nov. 30. Class 46.

Societe de Granda Travaux Scientifiques (Societe Anonyme), Paris, France. Day Cream, night cream, make-up emulsion, etc. Serial No. 543,663, Nov. 30. Class 6.

Society of Chemical Industry in Basle, Basel, Switzerland, now, by change of name, Ciba Limited. Coal tar colors. Serial No. 443,582, Nov. 30. Class 6.

Somm-Cola Bottling Company: *See*—
Parness, William.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Footballs, baseball bats, baseball masks, etc. Serial No. 525,122, Nov. 30. Class 22.

Sparkler Mfg. Co., Mundelein, Ill. Domestic and industrial filters for liquids and parts thereof. Serial No. 527,842, Nov. 30. Class 31.

Specht, Carl J., doing business as Carol-Line Products Company, Columbus, Ohio. Portable lap boards and knee desks. Serial No. 534,480, Nov. 30. Class 32.

Standard Brands Incorporated, New York, N. Y. Autolysate of primary grown yeast. Serial No. 537,480, Nov. 30. Class 6.

Standard Candy Company, Nashville, Tenn. Candies. Serial No. 519,228, Nov. 30. Class 46.

Startex Mills, Tucapau, S. C. Towels and towelings. Serial No. 492,865, Nov. 30. Class 42.

Stearns & Foster Company, The, Cincinnati, Ohio. Cotton batting. Serial No. 549,375, Nov. 30. Class 1.

Stearns & Foster Company, The, Cincinnati, Ohio. Cotton batting. Serial No. 549,379, Nov. 30. Class 1.

Steck Company, The, Austin, Tex. Directory, issued annually. Serial No. 541,774, Nov. 30. Class 38.

Sterno, Inc., New York, N. Y. Metal polish. Serial No. 550,270, Nov. 30. Class 4.

Stevenson & Son, Ltd., Dungannon, Ireland. Linen piece goods. Serial No. 547,165, Nov. 30. Class 42.

Stowe-Woodward, Inc., Newton Upper Falls, Mass. Deckle straps. Serial No. 554,835, Nov. 30. Class 35.

"Striga" Aktiengesellschaft, Fur Moderne Strickgarne, Basel, Switzerland. Tapestry. Serial No. 557,971, Nov. 30. Class 42.

Sun-Glow Industries, Inc., Mansfield, Ohio. Bedroom suites, bunk beds, odd beds, etc. Serial No. 501,882, Nov. 30. Class 32.

Sutton Shirt Corp., New York, N. Y. Men's outer shirts and sport shirts. Serial No. 531,539, Nov. 30. Class 39.

Swigart Paper Company, Chicago, Ill. Paper. Serial No. 536,015, Nov. 30. Class 37.

Swigart Paper Company, Chicago, Ill. Sheet paper. Serial No. 536,018, Nov. 30. Class 37.

Swiss Mills, Inc., New York, N. Y. Piece goods. Serial No. 523,714, Nov. 30. Class 42.

Swisatex Company, West New York, N. J. Foundation garments, corsets, brassières, etc. Serial No. 477,632, Nov. 30. Class 39.

Szantay, Elmer D.: *See*—
Sandee Manufacturing Company, assignee.

Technicolor Motion Picture Corporation, Hollywood, Calif. Developed motion picture film. Serial No. 524,164, Nov. 30. Class 26.

Technicon Co., The, New York, N. Y. Filing cabinets. Serial No. 517,933, Nov. 30. Class 32.

Tedoff, Samuel R., doing business as Glenmore Novelty Co., Inc., Brooklyn, N. Y. Infants' and children's suits, overalls, and boys' suits, crawlers, shorts, etc. Serial No. 523,489, Nov. 30. Class 39.

Teleoptic Company, The, Racine, Wis. Electric clearance and marker lights for motor vehicles. Serial No. 506,704, Nov. 30. Class 21.

Texas Citrus Fruit Growers Exchange, Mission, Tex. Fresh citrus fruits and canned citrus juices. Serial No. 532,378, Nov. 30. Class 46.

Tootal Broadhurst Lee Co. Limited, Manchester, 1, England. Cotton piece goods. Serial No. 557,477, Nov. 30. Class 42.

Tortola, The, San Francisco, Calif. Tamales. Serial No. 514,450, Nov. 30. Class 46.

Transervice, Inc., New York, N. Y. Machetes. Serial Nos. 518,493–4, Nov. 30. Class 23.

Ullmann, Bernhard Co. Inc., Long Island City, N. Y. Fabrics stamped with designs for art needlework. Serial No. 552,416, Nov. 30. Class 40.

United Lace & Braid Company, Cranston, R. I. Shoe laces and corset laces. Serial No. 509,744, Nov. 30. Class 40.

United World Films, Inc., New York, N. Y. Sound motion pictures. Serial No. 542,713, Nov. 30. Class 26.

United World Films, Inc., New York, N. Y. Motion picture films. Serial Nos. 544,631–2, Nov. 30. Class 26.

United World Films, Inc., New York, N. Y. Motion picture films. Serial No. 544,639, Nov. 30. Class 26.

Universal Paper Products Company: *See*—
Lily-Tulip Cup Corporation, assignee.

V-O Manufacturing Company: *See*—
Sauer, Leo A.

Vai, Giovanni, doing business as Cucamonga Valley Wine Company, Ontario, Calif. Wines. Serial No. 539,242, Nov. 30. Class 47.

Valley Coffee Mills: *See*—
Northcutt, F. J.

Vaughan Novelty Mfg. Co., Chicago, Ill. Can openers. Serial No. 531,635, Nov. 30. Class 23.

Veterans Post: *See*—
Berger, Alfred.

Visking Corporation, The, Chicago, Ill. Nonwoven fabrics. Serial No. 506,148, Nov. 30. Class 42.

Wagner, John, & Sons, Philadelphia, Pa. Sauce, being a highly flavored sherry and pepper seasoning. Serial No. 534,957, Nov. 30. Class 46.

Wagner, John, & Sons, Philadelphia, Pa. Sauce, being a vegetable protein derivation with pepper and wine. Serial No. 534,958, Nov. 30. Class 46.

Wallace Laboratories, Inc., Princeton, N. J., and New York, N. Y. Liquid preparation to be used as a vehicle for the use of penicillin. Serial No. 548,303, Nov. 30. Class 6.

Wallace & Tiernan Products, Inc., Belleville, N. J. Medicinal chewing gum. Serial No. 552,192, Nov. 30. Class 6.

Walworth Company, Boston, Mass. Pipe wrenches. Serial No. 505,020, Nov. 30. Class 23.

Ward Paper Company, Merrill, Wis. Disposable paper covers. Serial No. 537,256, Nov. 30. Class 37.

Warren Company, Inc., The, Atlanta, Ga. Commercial refrigerators. Serial No. 513,282, Nov. 30. Class 31.

Warwick Laboratories Company: *See*—
Goldner, Julius.

Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Refrigerated display cases. Serial No. 522,616, Nov. 30. Class 31.

Wella Corporation, The, New York, N. Y. Precision tool for shaping pin curls in dressing the hair. Serial No. 524,755, Nov. 30. Class 40.

Wellington Sears Company, New York, N. Y. Cotton piece goods. Serial No. 512,942, Nov. 30. Class 42.

Wester Bros.: *See*—
Wester, Herbert.

Wester, Herbert, doing business as Wester Bros., New York, N. Y. Nail nippers, toilet tweezers, and manicure instruments of all kinds. Serial No. 543,242, Nov. 30. Class 44.

Wiles, Russell, Jr., doing business as Rig Products Company, Oregon, Ill. Rust inhibiting grease. Serial No. 521,163, Nov. 30. Class 15.

Wilson, A., Reed, Co., Kansas City, Mo. Insecticides, germicides, antiseptics, etc. Serial No. 538,335, Nov. 30. Class 6.

Wright Drug Company: *See*—
Howard, Dorothy D.

Yale & Towne Manufacturing Co., The, New York, N. Y. Locks and keys. Serial No. 538,217, Nov. 30. Class 25.

Youngstown Grape Distributors, Inc., Reedley, Calif. Fresh grapes. Serial No. 518,059, Nov. 30. Class 46.

Zator Company, Cambridge, Mass. Cards used in filing. Serial No. 543,555, Nov. 30. Class 37.

Zeese-Wilkinson-Dillon Co. Inc., Long Island City, N. Y. Offset printing. Serial No. 547,213, Nov. 30. Class 55.

LIST OF REGISTRANTS OF TRADE-MARKS

A P Parts Corporation, The, Toledo, Ohio. Cutting tools, knives, and blades. 441,456, Nov. 30; Serial No. 503,031, published Aug. 17, 1948. Class 23.

Ace Fastener Corporation, Chicago, Ill. Hand-operated stapling machines. 504,303, Nov. 30; Serial No. 528,978, published Aug. 10, 1948. Class 37.

Ace Manufacturing Corporation, Philadelphia, Pa. Special stamping dies, jigs, tools, etc. 433,584, Oct. 21, 1947. Republished Nov. 30. Class 23.

Acme Electric Corporation, Cuba, N. Y. Battery chargers, voltage regulators, ballasts and reactors, etc. 504,320, Nov. 30; Serial No. 530,889, published Aug. 24, 1948. Class 21.

Acme Electric Corporation, Cuba, N. Y. Battery chargers, voltage regulators, ballasts and reactors, etc. 504,321–2, Nov. 30; Serial Nos. 530,891–2, published Aug. 24, 1948. Class 21.

Adams-Millis Corporation: *See*—
Textile Mills Corporation.
Textile Mills Corporation, The.

Agkem, Inc., Quincy, Ill. Insecticides. 504,400, Nov. 30; Serial No. 540,760, published Sept. 7, 1948. Class 6.

Aig-Schechner, Inc., New York, N. Y. Sweaters and cardigans for boys and girls; brother and sister sets. 441,511, Nov. 30; Serial No. 522,917, published Aug. 24, 1948. Class 39.

Alberger Condenser Company, to Foster Wheeler Corporation, New York, N. Y. Expansion joints. 66,319, re-renewed Nov. 19, 1947. O. G. Nov. 30. Class 13.

Allee Incorporated, Fort Worth, Tex. Clothing. 504,502, Nov. 30; Serial No. 517,689. Class 39.

Alpco, Inc., Providence, R. I. Jewelry. 441,472, Nov. 30; Serial No. 510,559, published Aug. 24, 1948. Class 28.

Alpha Metals, Inc., Brooklyn, N. Y. Solders composed primarily of lead and tin. 504,357, Nov. 30; Serial No. 535,446, published Aug. 3, 1948. Class 14.

Aluminum Goods Mfg. Co., Manitowoc, Wis. Toy cooking and baking utensils, toy tea sets and toy sand sets. 419,237, Feb. 5, 1946. Republished Nov. 30. Class 22.

Aluminum Goods Mfg. Co., Manitowoc, Wis. Aluminum cooking utensils. 422,215, July 9, 1946. Republished Nov. 30. Class 13.

American Braiding Company, by American Electric Cable Co., Holyoke, Mass. Insulated radio antennae. 274,338, Aug. 26, 1930. Republished Nov. 30. Class 21.

American Broach & Machine Co., Ann Arbor, Mich. Broaching machines, broaching tools and broaching tool sharpening machines. 504,312, Nov. 30; Serial No. 530,051, published Aug. 17, 1948. Class 23.

American Education Press, Inc., to The Educational Printing House, Inc., Columbus, Ohio. Weekly publication. 254,284, renewed Mar. 19, 1949. O. G. Nov. 30. Class 38.

American Electric Cable Co.: *See*—
American Braiding Company.

American Emblem Company, New Hartford, N. Y. Service insignia. 441,477, Nov. 30; Serial No. 513,093, published Aug. 17, 1948. Class 50.

American Fixture and Mfg. Co., St. Louis, Mo. Furniture. 504,370, Nov. 30; Serial No. 536,862, published Aug. 31, 1948. Class 32.

American [illegible]nd Hoe Company, The, Cleveland, Ohio. Tool bar. 504,286, Nov. 30; Serial No. 527,605, published [illegible] 24, 1948. Class 23.

American Fo[illegible]nd Hoe Company, The, Cleveland, Ohio. Tools. 504,287, Nov. 30; Serial No. 527,606, published Aug. 31, 1948. Class 23.

American Glossite Co., Incorporated, Putnam, Conn. Phonograph records. 410,954, Dec. 26, 1944. Republished Nov. 30. Class 36.

American Glossite Co., Incorporated, Putnam, Conn. Phonograph records. 411,755–6, Jan. 30, 1945. Republished Nov. 30. Class 36.

American Glossite Co., Incorporated, Putnam, Conn. Phonograph records. 414,540, June 12, 1945. Republished Nov. 30. Class 36.

American Hair & Felt Company: *See*—
American Hair Felt Co.
American Hair Felt Company.
Keystone Hair Insulator Company.
Tanners Products Company.

American Hair Felt Co., by American Hair & Felt Company, Chicago, Ill. Felt. 169,084, June 5, 1923. Republished Nov. 30. Class 50.

American Hair Felt Co., by American Hair & Felt Company, Chicago, Ill. Felt insulating material. 169,332, June 12, 1923. Republished Nov. 30. Class 12.

American Hair Felt Co., by American Hair & Felt Company, Chicago, Ill. Hair carpet cushions and hair seat cushions. 172,349, Aug. 28, 1923. Republished Nov. 30. Classes 32 and 50.

American Hair Felt Co., by American Hair & Felt Company, Chicago, Ill. Gun wadding. 247,789, Oct. 2, 1928. Republished No. 30. Class 9.

American Hair & Felt Company, Chicago, Ill. Hair carpet cushions. 262,347, Oct. 8, 1929. Republished Nov. 30. Class 50.

American Hair & Felt Company, Chicago, Ill. Hair-felt carpet cushions and hair-felt seat cushions. 262,427, Oct. 8, 1929. Republished Nov. 30. Classes 32 and 50.

American Hair & Felt Company, Chicago, Ill. Hair-felt carpet cushions and hair-felt seat cushions. 263,747, Nov. 12, 1929. Republished Nov. 30. Classes 32 and 50.

American Hair & Felt Company, Chicago, Ill. Felts for miniature golf courses. 282,766, Apr. 28, 1931. Republished Nov. 30. Class 50.

American Hair & Felt Company, Chicago, Ill. Underlining for floor coverings. 286,584, Sept. 1, 1931. Republished Nov. 30. Class 50.

American Hair & Felt Company, Chicago, Ill. Hair-felt carpet cushions and hair-felt seat cushions. 322,961, Mar. 26, 1935. Republished Nov. 30. Classes 32 and 50.

American Hair & Felt Company, Chicago, Ill. Hair felt carpet cushions and hair felt seat cushions.. 324,578, May 21, 1935. Republished Nov. 30. Classes 32 and 50.

American Hair & Felt Company, Chicago, Ill. Hair felt carpet cushions and hair felt seat cushions. 324,579, May 21, 1935. Republished Nov. 30. Class 32.

American Hair & Felt Company, Chicago, Ill. Felt carpets or rugs. 336,696, July 14, 1936. Republished Nov. 30. Class 50.

American Retailers Association, Inc., by Arkwright Merchandising Corporation, New York, N. Y. Ladies' suits, coats, dresses, etc. 208,604, Feb. 2, 1926. Republished Nov. 30. Class 39.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton and thread. 67,860–1, re-renewed Feb. 25, 1948. O. G. Nov. 30. Class 43.

American Varnish Company, The, Chicago, Ill. Paint enamels. 173,708, Oct. 2, 1923. Republished Nov. 30. Class 16.

American Wringer Company, Inc., Woonsocket, R. I. Squeezing rolls constructed of rubber. 251,377, renewed Jan. 8, 1949. O. G. Nov. 30. Class 23.

American Zinc Institute Incorporated, New York, N. Y. Zinc coated ferrous sheets. 504,293, Nov. 30; Serial No. 528,148, published Aug. 10, 1948. Class 14.

Ames Baldwin Wyoming Co.: *See*—
Ames Shovel and Tool Company.
Pittsburgh Shovel Company, The.

Ames Company, Inc., Elkhart, Ind. Sulfadiazine buffered with sodium citrate. 504,449, Nov. 30; Serial No. 547,416, published Aug. 31, 1948. Class 6.

Ames Company, Inc., Elkhart, Ind. Sulfaguanidine buffered with sodium citrate. 504,450, Nov. 30; Serial No. 547,417, published Aug. 31, 1948. Class 6.

Ames Company, Inc., Elkhart, Ind. Sulfathiazole buffered with sodium citrate. 504,451, Nov. 30; Serial No. 547,418, published Aug. 31, 1948. Class 6.

Ames Shovel and Tool Company, Boston, Mass., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 229,925, July 12, 1927. Republished Nov. 30. Class 23.

Ames Shovel and Tool Company, North Easton, Mass., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Tools and parts thereof. 258,346, July 2, 1929. Republished Nov. 30. Class 23.

Amity Manufacturing Corp., Perth Amboy, N. J. Portable hand fire extinguishers. 504,268, Nov. 30; Serial No. 516,522, published Aug. 10, 1948. Class 23.

Anaheim Citrus Fruit Association, Anaheim, Calif. Fresh citrus fruits. 253,541, renewed Feb. 26, 1949. O. G. Nov. 30. Class 46.

Anchor Cable Company, Ltd., The, London, England. Rubber insulated electric cables. 196,513, Mar. 17, 1925. Canceled Oct. 29, 1948. O. G. Nov. 30. Class 21.

Appleton Wood Products Company, Appleton, Wis. Die blocks, cutting boards, and cutting blocks, etc. 504,256, Nov. 30; Serial No. 483,601, published Aug. 17, 1948. Class 23.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Creamy powder foundation. 504,405, Nov. 30; Serial No. 541,068, published Aug. 24, 1948. Class 6.

Argus, Incorporated, Ann Arbor, Mich. Photographic lenses and lens assemblies. 504,207, Nov. 30; Serial No. 529,339, published Apr. 27, 1948. Class 26.

Ariel Luggage Co.: *See*—
Bohn, Beatrice P.

Arkwright, Incorporated: *See*—
Nolde & Horst Company, The.

Arkwright, Incorporated, New York, N. Y. Bicycles, tricycles, ice velocipedes, etc. 378,589, June 11, 1940. Republished Nov. 30. Classes 19 and 22.

Arkwright, Incorporated, New York, N. Y. Ladies' handbags, pocketbooks, hat boxes, etc. 412,706, Mar. 20, 1945. Republished Nov. 30. Class 3.

Arkwright Merchandising Corporation: *See*—
American Retailers Association, Inc.

Armour and Company, Chicago, Ill. Coated abrasive products. 504,343, Nov. 30; Serial No. 532,900, published Aug. 24, 1948. Class 4.

Armour and Company, Chicago, Ill. Blood resin adhesive compositions. 504,387, Nov. 30; Serial No. 538,848, published Sept. 7, 1948. Class 5.

Armour and Company, Chicago, Ill. Soap. 504,402, Nov. 30; Serial No. 540,965, published Aug. 17, 1948. Class 4.

Arnold, Constable & Co., Inc., New York, N. Y. Women's and children's coats, suits, overcoats, etc. 253,825, renewed Mar. 5, 1949. O. G. Nov. 30. Class 39.

Arrow-Hart & Hegeman Electric Company, The, Hartford, Conn. Memorandum books. 504,426, Nov. 30; Serial No. 542,899, published Aug. 10, 1948. Class 37.

Ash Manufacturing Company, Birmingham, Ala. Children's and misses' dresses. 504,501, Nov. 30; Serial No. 515,528. Class 39.

Associated Merchandising Corporation, New York, N. Y. Bay rum, camphorated oil U. S. P., castor oil, etc. 441,458, Nov. 30; Serial No. 503,179, published Aug. 24, 1948. Class 6.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y., by A. D. Juilliard & Co., Inc., New York, N. Y. Woolen textile fabrics in the piece. 231,744, Aug. 23, 1927. Republished Nov 30. Class 42.

Atlantic Mills, The, Providence, R. I., and Stottville, N. Y., by A. D. Juilliard & Co., Inc., New York, N. Y. Woolen dress goods and dress fabrics. 235,036, Nov. 8, 1927. Republished Nov. 30. Class 42.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y., by A. D. Juilliard and Co., Inc., New York, N. Y. Woolen dress goods and dress fabrics. 235,061, Nov. 8, 1927. Republished Nov. 30. Class 42.

Atlantic Products Corporation, Trenton, N. J. Handbags. 504,356, Nov. 30; Serial No. 534,733, published Aug. 10, 1948. Class 3.

Aunt Martha's Studios: *See*—
Modern Handcraft, Inc.

Aunt Nellie's Farm Kitchen, Inc., Clyman, Wis. Canned peas, canned corn, canned beets, etc. 245,916, Aug. 28, 1928. Republished Nov. 30. Class 46.

Aunt Nellie's Farm Kitchen, Inc., Clyman, Wis. Canned peas, canned corn, canned beans, etc. 253,953, Apr. 30, 1929. Republished Nov. 30. Class 46.

Aunt Nellie's Farm Kitchen, Inc., Clyman, Wis. Canned peaches, pears, cherries, etc. 270,935, May 20, 1930. Republished Nov. 30. Class 46.

Aunt Nellie's Farm Kitchen, Inc., Clyman, Wis. Canned peas. 281,949, Apr. 7, 1931. Republished Nov. 30. Class 46.

Automatic Signal Corporation, New Haven, to Eastern Industries Incorporated, East Norwalk, Conn. Automatic electric traffic-control systems. 249,865, renewed Nov. 20, 1948. O. G. Nov. 30. Class 21.

Automatic Temperature Control Co., Inc., Philadelphia, Pa. Electric motorized operators for valves, etc. 431,667–8, July 29, 1947. Republished Nov. 30. Class 21.

Baker Brush Co., Inc., New York, N. Y. Artists' brushes. 254,093, renewed Mar. 12, 1949. O. G. Nov. 30. Class 29.

Baldwin Company, The, Cincinnati, Ohio. Electric musical instruments. 441,516, Nov. 30; Serial No. 525,183, published Sept. 7, 1948. Class 36.

Baltimore Hardware Company, Baltimore, Md. Screwdrivers, hammer, pliers, and saw—all sold as a unit. 504,298, Nov. 30; Serial No. 528,685. Class 23.

Barbasol Company, The: *See*—
Napco Corporation, The.
Whisko Company, Inc., The.

Barbasol Company, The, Indianapolis, Ind. Paste-like preparation for shaving. 245,858, Aug. 21, 1928. Republished Nov. 30. Class 4.

Barbasol Company, The, Indianapolis, Ind. Safety razors and blades. 304,988, July 25, 1933. Republished Nov. 30. Class 23.

Barber & Bennett, Inc., Albany, N. Y. Stock feed, horse feed, dairy feed, etc. 130,633, May 4, 1920. Republished Nov. 30. Class 46.

Barr, E. L., doing business as Barr Packing Co., by E. L. and Merle Barr Sanger, Calif. Fresh citrus fruits and fresh deciduous fruits. 322,703, Mar. 19, 1935. Republished Nov. 30. Class 46.

Barr, E. L., doing business as Barr Packing Company, by E. L. & Merle Barr, Sanger, Calif. Fresh deciduous fruits. 326,864, Aug. 6, 1935. Republished Nov. 30. Class 46.

Barr, E. L., doing business as Barr Packing Company, by E. L. & Merle Barr, Sanger, Calif. Fresh grapes and fresh deciduous fruits. 350,646, Oct. 5, 1937. Republished Nov. 30. Class 46.

Barr, E. L. & Merle: *See*—
Barr, E. L.

Barr Packing Co.: *See*—
Barr, E. L.

Barry, Bert B., and Associates, Chicago, Ill., by Walt Disney Productions, Burbank, Calif. Dolls. 272,070, June 24, 1930. Republished Nov. 30. Class 22.

Bashore Knitting Mills Company, Schuylkill Haven, Pa. Men's, children's, misses', and ladies' knit underwear. 504,509, Nov. 30; Serial No. 524,049. Class 39.

Bates, C. J., & Son: *See*—
Bates, Hamilton C.

Bates, Hamilton C., doing business as C. J. Bates & Son, by C. J. Bates & Son, Chester, Conn. Nail files. 333,008, Mar. 10, 1936. Republished Nov. 30. Class 44.

Bates, Hamilton C., doing business as C. J. Bates & Son, by C. J. Bates & Son, Chester, Conn. Manicure articles. 336,370, July 7, 1936. Republished Nov. 30. Class 44.

Bates, Hamilton C., doing business as C. J. Bates & Son, by C. J. Bates & Son, Chester, Conn. Hand knitting needles and crochet hooks. 388,716, July 8, 1941. Republished Nov. 30. Class 40.

Bates, Hamilton C., doing business as C. J. Bates & Son, assignor to C. J. Bates & Son, by C. J. Bates & Son, Chester, Conn. Manicure kits. 395,996, June 23, 1942. Republished Nov. 30. Class 44.

Bates, Hamilton C., doing business as C. J. Bates & Son, assignor to C. J. Bates & Son, by C. J. Bates & Son, Chester, Conn. Crochet hooks and knitting needles. 400,816, Apr. 6, 1943. Republished Nov. 30. Class 40.

Bates Manufacturing Company, Lewiston, Maine. Cotton piece goods and bedspreads. 243,510, renewed June 26, 1948. O. G. Nov. 30. Class 42.

Bayes Manufacturing Co. Inc., New York, N. Y. Utility tool kits. 504,335, Nov. 30; Serial No. 531,990, published Aug. 24, 1948. Class 23.

Bayshore Industries, Inc., Elkton, Md. Round play ball having a removable inflatable bladder and a waterproof cover or casing. 441,510, Nov. 30; Serial No. 522,515, published Apr. 6, 1948. Class 22.

Beck, Koller & Company, Inc., by Reichhold Chemicals Inc., Detroit, Mich. Plastic synthetic resins. 301,085, Feb. 14, 1933. Republished Nov. 30. Class 1.

Beck, Koller & Company, Inc., by Riechhold Chemicals, Inc., Detroit, Mich. Ester gums. 301,102, Feb. 14, 1933. Republished Nov. 30. Class 6.

Beck, Koller & Company, Inc., by Reichhold Chemicals, Inc., Detroit, Mich. Synthetic resins. 301,493, Mar. 7, 1933. Republished Nov. 30. Class 1.

Beck, Koller & Company, Inc., by Reichhold Chemicals, Inc., Detroit, Mich. Dry, paste and ready mixed paints, varnishes, lacquers, etc. 301,765, Mar. 14, 1933. Republished Nov. 30. Class 16.

Beck, Koller & Company, Inc., by Reichhold Chemicals, Inc., Detroit, Mich. Soluble ester gums and soluble plastic resins. 301,770, Mar. 14, 1933. Republished Nov. 30. Class 16.

Beck, Koller & Company, Inc., by Reichhold Chemicals, Inc., Detroit, Mich. Soluble plastic resins. 301,771, Mar. 14, 1933. Republished Nov. 30. Class 16.

Belding Heminway Company, assignor to Belding Heminway Company, Inc., New York, N. Y. Silk threads and artificial silk threads. 504,358, Nov. 30; Serial No. 535,462, published Aug. 10, 1948. Class 43.

Belding Heminway Company, assignor to Belding Heminway Company, Inc., New York, N. Y. Silk and artificial silk threads. 504,359, Nov. 30; Serial No. 535,463, published Aug. 10, 1948. Class 43.

Belding Heminway Company, Inc.: *See*—
Belding Heminway Company.

Bemis Bro. Bag Company, St. Louis, Mo. Twine. 504,279, Nov. 30; Serial No. 526,837, published Aug. 17, 1948. Class 7.

Benard & Honnorat, doing business as Molinard, Grasse (Alpes Maritimes) France. Perfumes, toilet water, cologne, etc. 504,525, Nov. 30; Serial No. 548,318. Class 6.

Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, instalment loan and instalment credit business. 504,480, Nov. 30; Serial No. 527,263, published July 27, 1948. Class 55.

Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, instalment loan and instalment credit business. 504,481, Nov. 30; Serial No. 527,265, published July 13, 1948. Class 55.

Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, instalment loan and instalment credit business. 504,482, Nov. 30; Serial No. 527,268, published Aug. 31, 1948. Class 55.

Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, instalment loan and instalment credit business. 504,483, Nov. 30; Serial No. 527,273, published Aug. 31, 1948. Class 55.

Bennett Pumps Corporation, The, Muskegon, by John Wood Manufacturing Company, Inc., Muskegon Heights, Mich. Combined lubricant tank and nonmeasuring pumps. 250,675, Dec. 11, 1928. Republished Nov. 30. Class 23.

Berks-Lehigh Cooperative Fruit Growers, Inc., Boyertown, Pa. Apple juice. 386,595, Apr. 15, 1941. Republished Nov. 30. Class 46.

Berks Textiles, Inc., West Reading, Pa. Hosiery. 504,505, Nov. 30; Serial No. 521,556. Class 39.

Besly, Charles H., and Company, Chicago, Ill. Grinding discs and wheels. 504,454, Nov. 30; Serial No. 547,965, published Aug. 24, 1948. Class 4.

Billings & Spencer Company, The, to The Billings & Spencer Company, Hartford, Conn. Hand tools. 248,759, renewed Oct. 30, 1948. O. G. Nov. 30. Class 23.

Bilton's Abrasives, Limited, London, England. Abrasive wheels, abrasive compositions, and bonding compositions having abrasive properties. 441,465, Nov. 30; Serial No. 507,509, published Aug. 24, 1948. Class 4.

Black Star Coal Company, by Black Star Coal Corporation, Louisville, Ky. Coal. 221,212, Nov. 23, 1926. Republished Nov. 30. Class 1.

Black Star Coal Company, by Black Star Coal Corporation, Louisville, Ky. Coal. 289,728, Dec. 1, 1931. Republished Nov. 30. Class 1.

Black Star Coal Corporation: *See*—
Black Star Coal Company.

Blanton Company, The: *See*—
Blanton Manufacturing Company, The.

Blanton Manufacturing Company, The, to The Blanton Company, St. Louis, Mo. Oleomargarin. 69,352, re-renewed June 9, 1948. O. G. Nov. 30. Class 46.

Blask, Maxwell A., doing business as Personal Stationery Co., San Francisco, Calif., to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 247,877, renewed Oct. 9, 1948. O. G. Nov. 30. Class 22.

Bledsoe, Forrest W., doing business as Bledsoe Sanitary Service, Columbus, Ohio. Bacteria-producing mixture. 504,478, Nov. 30; Serial No. 554,466, published Sept. 7, 1948. Class 6.

Bledsoe Sanitary Service: *See*—
Bledsoe, Forrest W.

Blumenthal, B., & Co., Inc., New York, N. Y. Buttons and buckles. 504,333–4, Nov. 30; Serial Nos. 531,883–4, published Aug. 17, 1948. Class 40.

Bohn, Beatrice P., doing business as Ariel Luggage Co., Manasquan, N. J. Traveling bags. 504,394, Nov. 30; Serial No. 540,245, published Aug. 10, 1948. Class 3.

Bo-Kay Perfume Co., New York, N. Y. Perfume, cologne, deodorant, pomades, etc. 504,403, Nov. 30; Serial No. 540,979, published Aug. 24, 1948. Class 6.

Boncilla Laboratories, Inc., Indianapolis, Ind. Face pack cosmetic, white face pack cosmetic, etc. 403,035, Aug. 31, 1943. Republished Nov. 30. Class 6.

Bonide, Inc., Bayshore, N. Y. Grinding and lapping abrasive pastes. 504,438, Nov. 30; Serial No. 544,972, published Aug. 31, 1948. Class 4.

Boosey & Hawkes Limited, London, England. Electrical sound recording and sound reproducing instruments. 441,504, Nov. 30; Serial No. 520,376, published Aug. 31, 1948. Class 21.

Boott Mills, Lowell, Mass. Turkish towels. 245,674, renewed Aug. 21, 1948. O. G. Nov. 30. Class 42.

Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y., to The Boss Manufacturing Company, Kewanee, Ill. Workmen's gloves and mittens. 247,275, renewed Sept. 25, 1948. O. G. Nov. 30. Class 39.

Bossemeyer Bros., Superior, Nebr., by Maritime Milling Co. Inc., Buffalo, N. Y. Chick mash, chick feed, growing mash, etc. 344,371, Mar. 23, 1937. Republished Nov. 30. Class 46.

Boston Varnish Company, Everett, Mass. Ready-mixed paint, paint enamel, and varnishes. 241,765, May 8, 1928. Republished Nov. 30. Class 16.

Botany Mills, Inc., Passaic, N. J. Hand knitting yarns and machine knitting yarns. 504,507, Nov. 30; Serial No. 523,099. Class 43.

Boyd-Richardson Company, St. Louis, Mo. Jackets. 240,475, Mar. 27, 1928. Corrected. O. G. Nov. 30. Class 39.

Boyle Leather Goods Co. Inc., New York, N. Y. Certain articles made from leather, fabric, composition materials, plastic materials. 504,329, Nov. 30; Serial No. 531,296, published Aug. 17, 1948. Class 3.

Bradley's Laboratory by Hy-Phen Corporation, Matoaka, W. Va. Analgesic and sedative preparations. 243,733, June 26, 1928. Republished Nov. 30. Class 6.

Breon, George A., & Company, Kansas City, Mo. Protein preparation. 504,453, Nov. 30; Serial No. 547,610, published Aug. 21, 1948. Class 6.

Brightwater Paper Company, Dover, Del., and Adams, Mass. Writing paper. 504,325, Nov. 30; Serial No. 531,089, published Aug. 24, 1948. Class 37.

Brightwater Paper Company, Dover, Del., and Adams, Mass. Writing paper. 504,419, Nov. 30; Serial No. 542,204, published Aug. 10, 1948. Class 37.

British Music & Tennis Strings Limited, London, England. Strings for musical instruments. 504,385, Nov. 30; Serial No. 538,715, published Sept. 7, 1948. Class 36.

Brooks Brothers, New York, N. Y. Bottle openers, cork screws, ice picks and hammers, and ice tongs. 504,330, Nov. 30; Serial No. 531,308, published Aug. 17, 1948. Class 23.

Brooks, E. J., Company: *See*—
Brooks, E. J., and Company.

Brooks, E. J., and Company, New York, N. Y., to E. J. Brooks Company, Newark, N. J. Base-metal truck-car and shipping-case seals, seals for containers and packages, etc. 247,916, renewed Oct. 9, 1948. O. G. Nov. 30. Class 25.

Brown, Nathan J., doing business as Transolene Co. and Plastic Distributors, Barrington and Chicago, Ill. Plastic coated metal wire screen. 441,444, Nov. 30; Serial No. 493,738, published Aug. 24, 1948. Class 50.

Brown's Clipper Company, (1939) Limited, Birmingham, England. Manually operated non-electric portable clippers. 441,464, Nov. 30; Serial No. 505,948, published Aug. 17, 1948. Class 23.

Brownville Board Company, Inc., Brownville, N. Y. Manila tag boards. 329,612–13, Nov. 5, 1935. Republished Nov. 30. Class 37.

Brownville Board Company, Inc., Brownville, N. Y. Solid white paper tagboard. 353,605, Jan. 11, 1938. Republished Nov. 30. Class 37.

Buck, John F., San Antonio, Tex., by Claussner Hosiery Company, Paducah, Ky. Chiffon hosiery. 223,607, Feb. 8, 1927. Republished Nov. 30. Class 39.

Budeke, Geoge M., by Budeke's, Inc., Baltimore, Md. Oil paint, ready-mixed and paste; linseed oils, etc. 175,295, Nov. 6, 1923. Republished Nov. 30. Classes 12 and 16.

Budeke, George M., doing business as George M. Budeke Co., and Budeke's, by Bureke's, Inc., Baltimore, Md. Painters' materials. 400,440, Mar. 9, 1943. Published Nov. 30. Class 16.

Budeke, George M., doing business as George M. Budeke Co., and Budeke's, by Budeke's, Inc., Baltimore, Md. Paste paint. 400,441, Mar. 9, 1943. Republished Nov. 30. Class 16.

Budeke, George M., Co.: *See*—
Budeke, George M.

Budeke's: *See*—
Budeke, George M.

Budeke's, Inc.: *See*—
Budeke, George M.

Buffalo Scale Company, Inc., Buffalo, N. Y. Weighing scale. 322,834, Mar. 19, 1935. Republished Nov. 30. Class 26.

Buhal Publishing Co., Inc., Chicago, Ill. Magazine containing reading matter of general interest. 441,495, Nov. 30; Serial No. 518,587, published Aug. 10, 1948. Class 38.

Bureau of National Affairs, The: *See*—
United States News Publishing Corporation.

Bureau of National Affairs, Inc., The, assignee: *See*—
United States News Publishing Corporation.

Burgess Battery Company, Chicago and Freeport, Ill. Portable electric engraving and cutting implements. 504,290, Nov. 30; Serial No. 528,048, published Aug. 24, 1948. Class 21.

Burgess, C. F., Laboratories, Inc., Madison, Wis., by Burgess Cellulose Company, Freeport, Ill. Stereotype mats. 264,562, Nov. 26, 1929. Republished Nov. 30. Class 37.

Burgess Cellulose Company: *See*—
Burgess, C. F., Laboratories, Inc.

Burgess-Manning Company, Libertyville, Ill. Mufflers and silencers for quieting noises at exhausts and intakes of internal combustion engines, etc. 504,289, Nov. 30; Serial No. 527,792, published Aug. 17, 1948. Class 23.

Burlington Mills Corporation, Greensboro, N. C. Cotton yarns. 504,442, Nov. 30; Serial No. 546,357, published Sept. 7, 1948. Class 43.

Burlington Mills Corporation, Greensboro, N. C. Yarns. 504,523, Nov. 30; Serial No. 541,075. Class 43.

C. & D. Novelty Company, New York, N. Y. Shoulder pads for garments. 441,486, Nov. 30; Serial No. 515,897, published Aug. 17, 1948. Class 40.

Caldwell-Gray, Inc., San Francisco, Calif. Dresses. 504,365, Nov. 30; Serial No. 536,231, published Aug. 10, 1948. Class 39.

Campbell-Hausfeld Co., The, Harrison, Ohio. Air compressors and parts thereof. 504,262, Nov. 30; Serial No. 511,136, published Aug. 10, 1948. Class 23.

Campe Corporation, The, by The Campe Corporation, New York, N. Y. Knitted underwear. 127,266, Nov. 4, 1919. Republished Nov. 30. Class 39.

Campe Corporation, The, by The Campe Corporation, New York, N. Y. Knitted underwear. 127,346, Nov. 11, 1919. Republished Nov. 30. Class 39.

Campe Corporation, The, New York, N. Y. Women's and children's rayon and knit underwear. 277,104, Nov. 4, 1930. Republished Nov. 30. Class 39.

Campe Corporation, The, New York, N. Y. Men's union suits, shorts, briefs, etc. 383,987, Dec. 31, 1940. Republished Nov. 30. Class 39.

Campe Corporation, The, New York, N. Y. Men's and boy's pajamas, undershirts, undershorts, etc. 421,697, June 11, 1946. Republished Nov. 30. Class 39.

Canova Foods, Incorporated: *See*—
Maury-Cole Company.

Capital City Products Company, The: *See*—
Vail, Ed. S., Butterine Co.

Capital City Products Company, The, Columbus, Ohio. Refined corn oil and mayonnaise. 282,672, Apr. 28, 1931. Republished Nov. 30. Class 46.

Caravetta Foods Co.: *See*—
Ebrat, George.

Carity, David: *See*—
Carlton Trading Company.

Carity Hosiery Company: *See*—
Carlton Trading Company.

Carlton Trading Company, New York, N. Y., by David Carity, trading as Carity Hosiery Company and United Hosiery Company, Philadelphia, Pa. Women's hose. 144,713, July 19, 1921. Republished Nov. 30. Class 39.

Carrel, Ltd., Chicago, Ill. Cosmetic preparations. 504,261, Nov. 30; Serial No. 505,732, published Aug. 31, 1948. Class 6.

Carrier Corporation: *See*—
York Heating & Ventilating Corporation.

Carter Products, Inc., New York, N. Y. Lotion make-up foundation. 504,432, Nov. 30; Serial No. 543,775, published June 1, 1948. Class 6.

Carver File Company, by Delta File Works, Inc., Philadelphia, Pa. Files and rasps. 50,538, Mar. 20, 1906. Republished Nov. 30. Class 23.

Carver File Company, by Delta File Works, Inc., Philadelphia, Pa. Files and rasps. 54,129, June 19, 1906. Republished Nov. 30. Class 23.

Carver File Company, by Delta File Works, Inc., Philadelphia, Pa. Files. 49,706, Feb. 13, 1906. Republished Nov. 30. Class 23.

Carver File Co., also doing business as Delta File Works, by Delta File Works, Inc., Philadelphia, Pa. Metal surfaces. 188,204, Aug. 19, 1924. Republished Nov. 30. Class 23.

Carver File Company, doing business as Delta File Works, by Delta File Works, Inc., Philadelphia, Pa. Files. 233,302, Sept. 27, 1927. Republished Nov. 30. Class 23.

Carver File Company, doing business as Delta File Works, by Delta File Works, Inc., Philadelphia, Pa. Files. 233,510, Oct. 4, 1927. Republished Nov. 30. Class 23.

Casino Novelty Embroidery Co., New York, N. Y. Sequins, and sequin trimmings. 441,506, Nov. 30; Serial No. 521,112, published Aug. 24, 1948. Class 40.

Catalina, Inc.: *See*—
Catalina Knitting Mills.

Catalina Knitting Mills, now by change of name Catalina, Inc., by Catalina, Inc., Los Angeles, Calif. Men's, women's, and children's sports wear. 417,845, Nov. 20, 1945. Republished Nov. 30. Class 39.

Cavalier Corporation: *See*—
Tennessee Furniture Corporation.

Ceejay Products Company, assignor to Ceejay Products Company, Los Angeles, Calif., a partnership composed of C. A. and R. J. Munz. Power machine clutches. 504,288, Nov. 30; Serial No. 527,626, published Aug. 17, 1948. Class 23.

Centennial Flouring Mills Company: *See*—
Centennial Mill Co.
Centennial Mill Company, The.
Centennial Mill Company of Tenn.
Ritzville Flouring Mills.
Seattle Grain Co.
Seattle Grain Company.
Sprague Roller Mills.
Tacoma Grain Co.
Tacoma Grain Company.
Washington Grain and Milling Co.
Wenatchee Milling Co.

Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 345,324, Apr. 20, 1937. Republished Nov. 30. Class 46.

Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 345,433, Apr. 27, 1937. Republished Nov. 30. Class 46.

Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 347,923, July 13, 1937. Republished Nov. 30. Class 46.

Centennial Flouring Mills Co., Seattle, Wash. Bread and breakfast cereal. 381,325, Sept. 17, 1940. Republished Nov. 30. Class 46.

Centennial Flouring Mills Company, Seattle, Wash. Dog meal pellets. 382,686, Nov. 5, 1940. Republished Nov. 30. Class 46.

Centennial Mill Co., Seattle and Spokane, by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 88,397, Sept. 17, 1912. Republished Nov. 30. Class 46.

Centennial Mill Co., Spokane, by Centennial Flouring Mills Company, Seattle, Wash. Self-rising wheat flour. 114,700, Jan. 2, 1917. Republished Nov. 30. Class 46.

Centennial Mill Co., by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 117,517, July 17, 1917. Republished Nov. 30. Class 46.

Centennial Mill Co., by Centennial Flouring Mills Company, Seattle, Wash. Self-rising wheat flour. 119,258, Nov. 13, 1917. Republished Nov. 30. Class 46.

Centennial Mill Co., Memphis, Tenn., by Centennial Flouring Mills Company, Seattle, Wash. Self-rising wheat flour. 122,065, June 25, 1918. Republished Nov. 30. Class 46.

Centennial Mill Company, The, by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 123,979, Dec. 31, 1918. Republished Nov. 30. Class 46.

Centennial Mill Co., by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 141,512, Apr. 26, 1921. Republished Nov. 30. Class 46.

Centennial Mill Company, Seattle and Spokane, by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 152,705, Mar. 7, 1922. Republished Nov. 30. Class 46.

Centennial Mill Company of Tenn., Memphis, Tenn., by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 140,769, Mar. 29, 1921. Republished Nov. 30. Class 46.

Central Canning Co. A. S., Stavanger, Norway. Canned fish. 260,163, Aug. 20, 1929. Republished Nov. 30. Class 46.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Mineral coated paper. 504,285, Nov. 30; Serial No. 527,304, published Aug. 24, 1948. Class 37.

Chemco Photoproducts Company, by Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Etching enamel for engravers' plates. 338,047, Aug. 25, 1936. Republished Nov. 30. Class 11.

Chemco Photoproducts Company, Inc.: *See*—
Chemco Photoproducts Company.

Chicago Bridge & Iron Company, Chicago, Ill. Steel tanks. 504,294, Nov. 30; Serial No. 528,335, published Sept. 7, 1948. Class 2.

Chicago Roller Skate Company, Chicago, Ill. Roller skates with shoes attached and rollers for roller skates. 504,259, Nov. 30; Serial No. 497,528, published Aug. 27, 1948. Class 22.

Chittenden Press: *See*—
McBride, Helen E.

Chocolat Suchard Societe Anonyme, Neuchatel, Switzerland. Cocoa, chocolate, chocolate candy, etc. 343,662, Mar. 2, 1937. Republished Nov. 30. Class 46.

Christian Becker Inc., by The Torsion Balance Company, New York, N. Y. Balance and scales. 112,408, Sept. 5, 1916. Republished Nov. 30. Class 26.

Chula Vista Citrus Association, The: *See*—
Chula Vista Citrus Association.

Chula Vista Citrus Association, to The Chula Vista Citrus Association, Chula Vista, Calif. Fresh citrus fruits. 253,859, renewed Mar. 5, 1949. O. G. Nov. 30. Class 46.

Clapp, George W., New York, N. Y., Orlando, Fla., and Reading, Pa. Fresh oranges and grapefruit. 295,258, June 21, 1932. Canceled Oct. 22, 1948. O. G. Nov. 30. Class 46.

Clark, David, Company, Inc., Worcester, Mass. Girdles, foundation garments, and brassières. 504,503, Nov. 30; Serial No. 519,800. Class 39.

Clary Multiplier Corporation, Los Angeles, Calif. Adding machines. 504,511, Nov. 30; Serial No. 528,555. Class 26.

Claussner Hosiery Company: *See*—
Buck, John F.

Claussner Hosiery Company, Paducah, Ky. Hosiery. 329,118, Oct. 15, 1935. Republished Nov. 30. Class 39.

Cloverleaf-Freeland Corporation, Hazleton and Honesdale, Pa. Quills or bobbins, shipping spools, winder spools, etc. 504,331, Nov. 30; Serial No. 531,441, published Aug. 24, 1948. Class 23.

Clubhouse Casuals, Inc., New York, N. Y. Men's and women's sportswear. 504,274, Nov. 30; Serial No. 522,568, published Aug. 17, 1948. Class 39.

Clyman Farms, Inc., Clyman, Wis. Cheese. 405,583, Feb. 8, 1944. Republished Nov. 30. Class 46.

Coe Laboratories, Inc., Chicago, Ill. Dental prostheses. 377,919, May 21, 1940. Republished Nov. 30. Class 44.

Colonial Candle Co. of California, San Rafael, Calif. Wax candles. 441,515, Nov. 30; Serial No. 524,952, published Aug. 24, 1948. Class 15.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Blank and preprinted lithographic paper plates or mats, etc. 441,439, Nov. 30; Serial No. 488,509, published Aug. 31, 1948. Class 37.

Commander Larabee Milling Company: *See*—
Commander Milling Company.

Commander Milling Company, to Commander Larabee Milling Company, Minneapolis, Minn. Wheat flour. 253,860, renewed Mar. 5, 1949. O. G. Nov. 30. Class 46.

Conde Nast Publications Inc., The, New York, N. Y. Monthly magazine. 504,456, Nov. 30; Serial No. 548,483, published Aug. 17, 1948. Class 38.

Con Ferro Paint & Varnish Company: *See*—
Con Ferro Paint & Varnish Co.
Con-Ferro Paint and Varnish Co., The.

Con Ferro Paint & Varnish Co., doing business as Delta Lacquer & Products Company, St. Louis, Mo., by Con Ferro Paint & Varnish Company, New York, N. Y., and St. Louis, Mo. Ready-mixed paints, paint enamels, varnish, etc. 226,942, Apr. 26, 1927. Republished Nov. 30. Class 16.

Con-Ferro Paint and Varnish Co., The, St. Louis, Mo., by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Stipple wall finish. 265,552, Dec. 31, 1929. Republished Nov. 30. Class 12.

Conti Products Corporation, Brooklyn, N. Y. Hair tonic. 504,401, Nov. 30; Serial No. 540,779, published Aug. 31, 1948. Class 6.

Continental Steel Corporation, Kokomo, Ind. Lead covered or coated steel or iron sheets. 504,439, Nov. 30; Serial No. 545,095, published Aug. 17, 1948. Class 14.

Corn Products Refining Company, Jersey City, N. J., and New York, N. Y., to Corn Products Refining Company, New York, N. Y. Grape-sugar, and corn-sugar. 72,187, re-renewed Jan. 5, 1949. O. G. Nov. 30. Class 46.

Correct Garment Co.: *See*—
Correct Garment Co., Inc.

Correct Garment Co., Inc., by Correct Garment Co., New York, N. Y. Women's and misses' and children's skirts. 357,816, June 14, 1938. Republished Nov. 30. Class 39.

Cosmet Company, Minneapolis, Minn. Lens cleaning preparation. 409,161, Feb. 19, 1944. Republished Nov. 30. Class 4.

Country Club Soda Company, Inc., Springfield, Mass. Birch beer, root beer, lemon soda, etc. 126,831, Oct. 7, 1919. Republished Nov. 30. Class 45.

Country Club Soda Company, Inc., Springfield, Mass. Whiskey. 321,546, Feb. 5, 1935. Republished Nov. 30. Class 49.

Cow, P. B., & Co. Limited, London, England. Air beds and cushions. 504,361, Nov. 30; Serial No. 535,823, published Aug. 24, 1948. Class 32.

Cowden Manufacturing Company, Kansas City, Mo. Overalls. 130,688, May 4, 1920. Republished Nov. 30. Class 39.

Cowden Manufacturing Company, Kansas City, Mo. Automobile service suits, play suits, overalls, etc. 266,131, Jan. 14, 1930. Republished Nov. 30. Class 39.

Cowden Manufacturing Company, Kansas City, Mo. Automobile service suits, play suits, overalls, etc. 266,954, Feb. 11, 1930. Republished Nov. 30. Class 39.

Cowden Manufacturing Company, Kansas City, Mo. Automobile service suits, play suits, overalls, etc. 266,956, Feb. 11, 1930. Republished Nov. 30. Class 39.

Crookes Laboratories, Inc., New York, N. Y. Fungicidal solution. 504,377, Nov. 30; Serial No. 537,428, published Aug. 24, 1948. Class 6.

Crown Cork & Seal Company, Inc., Baltimore, Md. Metallic closures for receptacles. 504,437, Nov. 30; Serial No. 544,519, published Aug. 17, 1948. Class 50.

Crown Luggage Co., Inc., Baltimore, Md. Luggage. 504,414–15, Nov. 30; Serial Nos. 541,728–9, published Aug. 10, 1948. Class 3.

Cubberley, F. H.: *See*—
Smith, C. C.

Cunningham, Jack B., doing business as Shortwave Plastic Forming Company, Burbank, Calif. Electronic high frequency generators. 441,484, Nov. 30; Serial No. 514,579, published May 25, 1948. Class 21.

Cutter Laboratories, Berkeley, Calif. Veterinarian sodium penicillin. 504,436, Nov. 30; Serial No. 544,331, published Aug. 24, 1948. Class 6.

Dainty Apron Mfg. Co.: *See*—
Salomon, William.

Danforth Anchors, Berkeley, Calif. Ships' anchors. 504,310, Nov. 30; Serial No. 529,441, published July 27, 1948. Class 14.

Daprato Statuary Company, Chicago, Ill. Composition altars. 504,284, Nov. 30; Serial No. 527,243, published Aug. 24, 1948. Class 50.

Daumit, Kay, assignor, by mesne assignments, to Kathryn, Inc., Chicago, Ill. Perfume. 441,440, Nov. 30; Serial No. 489,716, published June 24, 1947. Class 6.

Davidson, M. T., Company, Brooklyn, N. Y. Steam pumps, pumping engines, and condenser and evaporators. 441,468, Nov. 30; Serial No. 508,838, published Aug. 24, 1948. Class 23.

Davis, Joel Baily, Co., The, Philadelphia, Pa. Hosiery. 73,087, re-renewed Mar. 16, 1949. O. G. Nov. 30. Class 39.

Delk, Charles C., doing business as Delk Pest Control, Fresno, Calif. Pest control materials. 441,455, Nov. 30; Serial No. 502,807, published Aug. 31, 1948. Class 6.

Delk Pest Control: *See*—
Delk, Charles C.

Delta File Works: *See*—
Carver File Co.

Delta File Works, Inc.: *See*—
Carver File Co.
Carver File Company.

Delta File Works, Inc., Philadelphia, Pa. Files. 200,098, June 23, 1925. Republished Nov. 30. Class 23.

Delta Lacquer & Products Company: *See*—
Con Ferro Paint & Varnish Co.

Design for Display, Inc., Cleveland, Ohio. Small, artistic creations for the display of merchandise in store windows and on store counters, etc. 441,508, Nov. 30; Serial No. 521,647, published Aug. 17, 1948. Class 50.

Design Inc., St. Louis, Mo. Refreshment bars, refreshment back bars, tables, and chairs. 504,257, Nov. 30; Serial No. 497,466, published Aug. 31, 1948. Class 32.

Design Inc., St. Louis, Mo. Refreshment bars, refreshment back bars, and display, etc. 504,258, Nov. 30; Serial No. 497,467, published Aug. 31, 1948. Class 32.

Detmer, Bruner & Mason, Inc.: *See*—
Detmer Woolen Company.

Detmer Woolen Company, by Detmer, Bruner & Mason, Inc., New York, N. Y. Cotton and woolen piece goods. 66,569, Dec. 10, 1907. Republished Nov. 30. Class 42.

Dichter & Schatz, Inc., New York, N. Y. Women's dresses. 504,524, Nov. 30; Serial No. 543,283. Class 39.

Diebold, Incorporated, Canton, Ohio. Storage files. 504,314, Nov. 30; Serial No. 530,388, published Sept. 7, 1948. Class 32.

Digby Products, Ltd., White Plains, N. Y. Leather portfolios. 441,505, Nov. 30; Serial No. 520,865, published Aug. 10, 1948. Class 3.

Direct Transit Lines, Inc., Grand Rapids, Mich. Freight trucking. 504,485, Nov. 30; Serial No. 535,227, published Aug. 31, 1948. Class 55.

Disney, Walt, Productions: *See*—
Barry, Bert B., and Associates.

Diversey Corporation, The, Chicago, Ill. Alkaline product in powdered form. 504,275, Nov. 30; Serial No. 522,735, published Sept. 7, 1948. Class 6.

Dix, Henry A., & Sons Corporation, New York, N. Y. Women's aprons, collars, and cuffs, etc. 246,677, renewed Sept. 11, 1948. O. G. Nov. 30. Class 39.

Dixie Medicine Co., Inc., Morrison, Tenn. Laxative and stomachic. 504,362, Nov. 30; Serial No. 535,835, published Sept. 7, 1948. Class 6.

Dolge, C. B., Company, The: *See*—
Embalmers Supply Co., The.

Dolge, C. B., Company, The, Westport, Conn. Insecticides, rodenticides, germicides, etc. 297,808, Oct. 4, 1932. Republished Nov. 30. Class 6.

Donath, Ernest, Boston, Mass. Outer skirts, outer shorts, slacks, etc. 504,488, Nov. 30; Serial No. 495,453. Class 39.

Dorgin Textile Corporation, New York, N. Y. Yarn. 504,460, Nov. 30; Serial No. 548,941, published Sept. 7, 1948. Class 43.

Douglas of California, Inc., New York, N. Y. Ladies' and misses' hats, scarfs, mittens, etc. 504,423, Nov. 30; Serial No. 542,547, published Aug. 24, 1948. Class 39.

Dow Chemical Company, The, Midland, Mich. Vat dyes. 504,410, Nov. 30; Serial No. 541,268, published Aug. 24, 1948. Class 6.

Drackett Chemical Company, The, by The Drackett Company, Cincinnati, Ohio. Epsom salt. 251,039, Dec. 25, 1928. Republished Nov. 30. Class 6.

Drackett Company, The: *See*—
Drackett Chemical Company, The.

Dresner, S., & Son, Inc., Chicago, Ill. Ladies' and misses' fitted (overnight) cases. 504,471, Nov. 30; Serial No. 549,912, published Aug. 31, 1948. Class 3.

Druge Brothers Manufacturing Co., Oakland, Calif. Tire air gauges and parts for the same. 504,263, Nov. 30; Serial No. 511,987, published Aug. 31, 1948. Class 26.

Dual Parking Meter Company, The, Canton, Ohio. Parking meters. 441,470, Nov. 30; Serial No. 509,207, published Aug. 24, 1948. Class 26.

Dublin Creamery Company, Inc., Dublin, Tex., by Florida-gold Citrus Corporation, Lake Alfred, Fla. Butter. 328,668, Oct. 1, 1935. Republished Nov. 30. Class 46.

Dulcich Brothers, Earlimart, Calif. Fresh grapes. 504,516–17, Nov. 30; Serial Nos. 530,478–9. Class 46.

Durene Association of America, New York, N. Y. Yarns. 504,486, Nov. 30; Serial No. 550,316, published Sept. 7, 1948. Class 43.

Duro-Persian Mfg. Co., Inc., East Newark, N. J. Cordage. 504,506, Nov. 30; Serial No. 521,571. Class 7.

Eastern Coal Sales Company: *See*—
Tierney, Laurence E., Fuel Company.

Eastern Coal Sales Company, Bluefield, W. Va. Bituminous coal. 397,817, Sept. 22, 1942. Republished Nov. 30. Class 1.

Eastern Coal Sales Company, Bluefield, W. Va. Bituminous coal. 402,082–4, June 29, 1942. Republished Nov. 30. Class 1.

Eastern Industries Incorporated: *See*—
Automatic Signal Corporation.

Economy Bias Binding Co., Inc., New York, N. Y. Bias tape, ric-rack braid, blanket binding. 504,353, Nov. 30; Serial No. 534,006, published Aug. 10, 1948. Class 40.

Edison Bros. Stores, Inc., St. Louis, Mo. Shoes. 338,749, Sept. 15, 1936. Republished Nov. 30. Class 39.

Edison Brothers Stores, Inc., St. Louis, Mo. Ladies' shoes. 430,591, June 17, 1947. Republished Nov. 30. Class 39.

Education Printing House, Inc., The: *See*—
American Education Press, Inc.

Ehrat, George, to Caravetta Foods Co., Chicago, Ill. Olive-oil. 71,374, re-renewed Nov. 24, 1948. O. G. Nov. 30. Class 46.

Embalmers Supply Co., The, by The C. B. Dolge Company, Westport, Conn. Liquid disinfectants. 36,799, July 23, 1901. Republished Nov. 30. Class 6.

Empire Crafts Corporation, Newark, N. Y. Silver-plated flat tableware. 441,447, Nov. 30; Serial No. 496,549, published Sept. 7, 1948. Class 28.

Enco Shirt Company, Inc., The, Louisville, Ky. Negligee and dress shirts. 233,951, renewed Mar. 12, 1949. O. G. Nov. 30. Class 39.

Eugene, Ltd., Brooklyn, N. Y. Solutions and preparations used for permanent waving, hair drying, etc. 504,388, Nov. 30; Serial No. 539,143, published Aug. 31, 1948. Class 6.

Eugene, Ltd., Brooklyn, N. Y. Solutions and preparations used for permanent waving, hair drying, etc. 504,389, Nov. 30; Serial No. 539,145, published Aug. 31, 1948. Class 6.

Ev-Air Cosmetic Co.: *See*—
Marlow, Dwain S.

Evans Case Co., North Attleboro, Mass. Compacts and lipstick holders. 504,315, Nov. 30; Serial No. 530,486, Aug. 31, 1948. Class 2.

Farnsworth, Daniel W., New York, N. Y. Woolen and worsted fabrics in the piece. 383,522, Dec. 10, 1940. Republished Nov. 30. Class 42.

Farquhar, A. B., Company, York, Pa. Seed and fertilizer planting machines, wheel hoes, and plows, etc. 441,437, Nov. 30; Serial No. 487,184, published Aug. 10, 1948. Class 23.

Farquhar, A. B., Company, York, Pa. Vegetable seed planters, fertilizer planting machines, wheel hoes, plows, etc. 441,438, Nov. 30; Serial No. 487,185, published Aug. 10, 1948. Class 23.

Feature Ring Co., Inc., New York, N. Y. Mountings for jewelry. 504,406, Nov. 30; Serial No. 541,191, published Aug. 24, 1948. Class 28.

Feist Fabrics, Inc., New York, N. Y. Waterproof, coated piece goods of nylon. 504,487, Nov. 30; Serial No. 490,585. Class 42.

Finger Weeder Company, Portland, Oreg. Combination weed pulling and cultivating tools. 504,491, Nov. 30; Serial No. 505,691. Class 23.

Finkl, A., & Sons Company, Chicago, Ill. Forgings of steel alloy. 166,414, Apr. 3, 1923. Republished Nov. 30. Class 14.

Finkl, A., & Sons Company, Chicago, Ill. Steel forgings. 175,029, Oct. 30, 1923. Republished Nov. 30. Class 14.

Finkl, A., & Sons Company, Chicago, Ill. Steel forgings. 175,060, Oct. 30, 1923. Republished Nov. 30. Class 14.

Finkl, A., & Sons Company, Chicago, Ill. Steel dies. 369,486, July 25, 1939. Republished Nov. 30. Class 23.

Finkl, A., & Sons Company, Chicago, Ill. Steel dies. 400,088, Feb. 16, 1943. Republished Nov. 30. Class 23.

Finkl, A., & Sons Company, Chicago, Ill. Steel used for die blocks and inserts in drop hammers and forging presses, etc. 401,694, June 1, 1943. Republished Nov. 30. Class 14.

Finkl, A., & Sons Company, Chicago, Ill. Finished die blocks and sow blocks. 403,790, Oct. 19, 1943. Republished Nov. 30. Class 23.

Finkl, A., & Sons Company, Chicago, Ill. Finished die blocks, rams and sow blocks. 403,791, Oct. 19, 1943. Republished Nov. 30. Class 23.

Finkl, A., & Sons Company, Chicago, Ill. Steel dies and machine parts. 424,200–1, Sept. 24, 1946. Republished Nov. 30. Class 23.

Finkl, A., & Sons Company, Chicago, Ill. Hardened and tempered steel dies and machine parts. 424,202, Sept. 24, 1946. Republished Nov. 30. Class 23.

Finkl, A., & Sons Company, Chicago, Ill. Steel used for die blocks, sow blocks, and forged parts for drop hammers, etc. 425,292, Nov. 12, 1946. Republished Nov. 30. Class 14.

Finkl, A., & Sons Company, Chicago, Ill. Steel used for hardened and tempered die blocks, sow blocks and forged parts for drop hammers, etc. 425,293, Nov. 12, 1946. Republished Nov. 30. Class 14.

Finkl, A., & Sons Company, Chicago, Ill. Steel used for piston rods, crankshafts, rams, etc. 425,294, Nov. 12, 1946. Republished Nov. 30. Class 14.

Finkl, A., & Sons Company, Chicago, Ill. Steel used for die blocks, sow blocks, and forged parts for drop hammers, etc. 429,012, Apr. 15, 1947. Republished Nov. 30. Class 14.

Finkl, A., & Sons Company, Chicago, Ill. Piston rods, crankshafts, rams and forged parts. 432,967, Sept. 23, 1947. Republished Nov. 30. Class 23.

Fitler, Edwin H., Co., The, Philadelphia, Pa. Manila rope. 504,418, Nov. 30; Serial No. 542,200, published Aug. 10, 1948. Class 7.

Fleisher Yarns, Inc., Long Island City, N. Y. Art needlework yarns. 504,458, Nov. 30; Serial No. 548,649, published Sept. 7, 1948. Class 43.

Fletcher Paper Company, Alpena, Mich. Printing paper. 504,340, Nov. 30; Serial No. 532,672, published Aug. 24, 1948. Class 37.

Flintkote Company, The, New York, N. Y. Prepared roofing. 233,906, Oct. 11, 1927. Republished Nov. 30. Class 12.

Floridagold Citrus Corporation: *See*—
Dublin Creamery Company, Inc.

Floridagold Citrus Corporation, Lake Alfred, Fla. Canned grapefruit. 285,838, Aug. 11, 1931. Republished Nov. 30. Class 46.

Floridagold Citrus Corporation, Lake Alfred, Fla. Canned citrus fruits and canned citrus juices. 345,057, Apr. 13, 1937. Republished Nov. 30. Class 46.

Floridagold Citrus Corporation, Lake Alfred, Fla. Grapefruit and orange segments. 345,625, May 4, 1937. Republished Nov. 30. Class 46.

Food Display Cover Company, Inc., Indianapolis, Ind. Transparent covered frames and racks. 441,496, Nov. 30; Serial No. 518,884, published Sept. 7, 1948. Class 32.

Forbes Lithograph Manufacturing Company, Chelsea, Mass. Printed bands. 305,089, Aug. 1, 1933. Republished Nov. 30. Class 37.

Ford, Henry M., Madison, Wis. Child's game. 441,475, Nov. 30; Serial No. 512,406, published Aug. 10, 1948. Class 22.

Ford Motor Company, Fordson, Detroit, to Ford Motor Company, Dearborn, Mich. Belts of leather or fabric, portable tire-repair kits, nonmetallic washers, etc. 251,383, renewed Jan. 8, 1949. O. G. Nov. 30. Class 35.

Ford Motor Company, Fordson, Detroit, to Ford Motor Company, Dearborn, Mich. Automobile body floor mats. 252,216, renewed Jan. 29, 1949. O. G. Nov. 30. Class 19.

Forest City Products, Inc., Cleveland, Ohio. Bust forms. 504,269, Nov. 30; Serial No. 516,684, published Aug. 24, 1948. Class 40.

Formaid Co.: *See*—
Standish, Eula S.

Foster Wheeler Corporation: *See*—
Alberger Condenser Company.

Franco-Italian Packing Company, Terminal Island, Calif. Canned fish. 382,494, Oct. 29, 1940. Republished Nov. 30. Class 46.

Franco-Italian Packing Company, Terminal Island, Calif. Fish meal used in health ration for poultry livestock, dog and cat food. 386,565, Apr. 15, 1941. Republished Nov. 30. Class 46.

Franco-Italian Packing Company, Terminal Island, Calif. Canned fish. 407,947, July 11, 1944. Republished Nov. 30. Class 46.

Frantz Manufacturing Company, Sterling, Ill. Doors that open into an overhead position. 282,609, Apr. 28, 1931. Republished Nov. 30. Class 12.

Fraser Manufacturing Co., Inc., New York, N. Y. Cordé. 504,379, Nov. 30; Serial No. 537,683, published Aug. 10, 1948. Class 43.

French Sardine Company of California, The, Terminal Island, Calif. Canned sardines. 334,190, Apr. 21, 1936. Republished Nov. 30. Class 46.

French Sardine Company of California, The, Terminal Island, Calif. Canned fish. 374,481, Jan. 9, 1940. Republished Nov. 30. Class 46.

French Sardine Company of California, The, Terminal Island, Calif. Canned fish. 381,518, Sept. 24, 1940. Republished Nov. 30. Class 46.

French Sardine Company of California, The, Terminal Island, Calif. Cat food. 388,570, July 1, 1941. Republished Nov. 30. Class 46.

Freydberg Bros.-Strauss, Inc., New York, N. Y. Metallic covered thread. 504,457, Nov. 30; Serial No. 548,494, published Aug. 31, 1948. Class 43.

Fricke, J. E., Co., The, Philadelphia, Pa. Twines, rope, seine twine, trot line, etc. 504,351, Nov. 30; Serial No. 533,722, published Aug. 10, 1948. Class 7.

Gahan, A. J., doing business as The Gold Cup Food Co., by Haas Brothers, San Francisco, Calif. Canned dog and cat food. 303,904, Jan. 13, 1933. Republished Nov. 30. Class 46.

Gall Novelty Company, New York, N. Y. Wallets. 504,413, Nov. 30; Serial No. 541,664, published Aug. 10, 1948. Class 3.

Galowin, Ralph, Brooklyn, N. Y. Preparation for killing moths. 280,147, Feb. 10, 1931. Canceled Oct. 29, 1948. O. G. Nov. 30. Class 6.

Garlock Packing Company, The, Palmyra, N. Y. Cord plugs for cleaning condenser tubes. 250,480, Dec. 11, 1928. Republished Nov. 30. Class 13.

Gem Bag Company, Inc., New York, N. Y. Handbags. 504,395, Nov. 30; Serial No. 540,271, published Aug. 10, 1948. Class 3.

General Dry Batteries, Inc., Lakewood, Ohio. Dry cell batteries. 432,118, Aug. 19, 1947. Republished Nov. 30. Class 21.

General Grocer Company, St. Louis, Mo. Coffee. 337,520, Aug. 11, 1936. Republished Nov. 30. Class 46.

General Thread Mills, Inc., The, Boston, Mass. Cotton thread. 504,264, Nov. 30; Serial No. 513,176, published Aug. 10, 1948. Class 43.

Gerber & Co., Inc., New York, N. Y. Cheese. 251,045, renewed Dec. 25, 1948. O. G. Nov. 30. Class 46.

Geuder, Paeschke & Frey Co.: *See*—
Geuder & Paeschke Manufacturing Company.

Geuder, Paeschke & Frey Co., Milwaukee, Wis. Pieced tinware, stamped sheet-metal ware, japanned sheet-metal ware, etc. 103,059, Mar. 16, 1915. Republished Nov. 30. Class 13.

Geuder, Paeschke & Frey Co., Milwaukee, Wis. Metal containers in the form of cans and drums. 214,257, June 15, 1926. Republished Nov. 30. Class 2.

Geuder & Paeschke Manufacturing Company, by Geuder, Paeschke & Frey Co., Milwaukee, Wis. Pieced tinware, stamped sheet-metal ware, japanned sheet-metal ware, etc. 58,976, Dec. 25, 1906. Republished Nov. 30. Class 13.

Gibbons, J. T., Inc., New Orleans, La. Scratch feeds for poultry. 419,319, Feb. 12, 1946. Republished Nov. 30. Class 46.

Gibbons, J. T., Inc., New Orleans, La. Dairy feed. 419,614, Feb. 26, 1946. Republished Nov. 30. Class 46.

Gibbons, J. T., Inc., New Orleans, La. Feed for horses and mules, scratch feed for poultry, and pigeon feed. 421,306, May 28, 1946. Republished Nov. 30. Class 46.

Gilbert Center, New York, N. Y. Umbrellas. 441,490–1, Nov. 30; Serial No. 517,611–12, published Aug. 10, 1948. Class 41.

Gillette Safety Razor Company, Boston, Mass. Cutters with replaceable blades. 249,087, renewed Nov. 6, 1948. O. G. Nov. 30. Class 23.

Gillette Safety Razor Company, Boston, Mass. Cutters with replaceable blades. 249,117, renewed Nov. 6, 1948. O. G. Nov. 30. Class 23.

Gillette Safety Razor Company, Boston, Mass. Safety razors and safety razor blades. 441,448, Nov. 30; Serial No. 498,622, published Feb. 24, 1948. Class 23.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 441,488, Nov. 30; Serial No. 516,974, published Oct. 7, 1947. Class 23.

Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. 504,281, Nov. 30; Serial No. 527,070, published Aug. 17, 1948. Class 22.

Gladding, McBean & Co., Los Angeles, Calif. Pottery. 323,685, Apr. 30, 1935. Republished Nov. 30. Class 30.

Glidden Company, The, doing business as Metals Refining Company, Cleveland, Ohio, and Hammond, Ind. Metal powders. 441,492, Nov. 30; Serial No. 517,845, published Aug. 12, 1947. Class 14.

Globe Shirt & Overall Company, Abingdon, by Protexall, Inc., Galesburg, Ill. Overalls, work-coats or shop-coats, work-shirts, etc. 143,021, May 24, 1921. Republished Nov. 30. Class 39.

Glovecraft, Inc., Johnstown, N. Y. Gloves. 389,223, July 29, 1941. Republished Nov. 30. Class 39.

Gluck, Sidney J., Mfg. Co. Inc., The, New York, N. Y. Wide woven silk, wool, rubber, cotton, synthetic and metal yarn fabrics. 504,519, Nov. 30; Serial No. 532,009. Class 42.

Godfrey, Joe, Jr., Chicago, Ill., by Grant Advertising, Inc., Dallas, Tex. Periodical. 346,123, May 18, 1937. Republished Nov. 30. Class 38.

Gold Cup Food Co., The: *See*—
Gahan, A. J.

Goldwyn Pictures Corporation, by Loew's, Incorporated, New York, N. Y. Moving-picture films. 123,995, Dec. 31, 1918. Republished Nov. 30. Class 26.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 504,296, Nov. 30; Serial No. 528,449, published Aug. 24, 1948. Class 35.

Governor Fastener Co., New York, N. Y. Garment engaging fasteners. 504,381, Nov. 30; Serial No. 538,001, published Aug. 10, 1948. Class 40.

Gradiaz, Annis & Co., Inc., Tampa, Fla. Cigars. 504,417, Nov. 30; Serial No. 542,121, published Aug. 24, 1948. Class 17.

Grant Advertising, Inc.: *See*—
Godfrey, Joe, Jr.

Grant Advertising, Inc., Dallas, Tex. Testing machines. 416,019, Aug. 21, 1945. Republished Nov. 30. Class 26.

Gray & Company, Portland, Oreg. Maltless, nonalcoholic beverages. 366,017, Mar. 28, 1939. Republished Nov. 30. Class 45.

Gray & Company, Portland, Oreg. Maltless, nonalcoholic beverages. 372,070, Oct. 24, 1939. Republished Nov. 30. Class 45.

Gray Envelope Manufacturing Company, Inc., The, Brooklyn, N. Y. Correspondence envelopes. 504,420, Nov. 30; Serial No. 542,229, published Aug. 10, 1948. Class 37.

Great American Tea Company, The, New York, N. Y. Multi-vitamin capsules, vitamin A + D capsules, etc. 504,476, Nov. 30; Serial No. 550,504, published Aug. 31, 1948. Class 6.

Green Bay Canning Corporation, Green Bay, Wis. Canned vegetables. 425,839, Dec. 3, 1946. Republished Nov. 30, 1948. Class 46.

Greenfield's, E., Sons, New York and Brooklyn, by Henry Heide, Incorporated, New York, N. Y. Chocolates and candies. 170,088, July 10, 1923. Republished Nov. 30. Class 46.

Greenfield's, E., Sons, New York and Brooklyn, by Henry Heide, Incorporated, New York, N. Y. Chocolates and candies. 170,495, July 17, 1923. Republished Nov. 30. Class 46.

Greenlee Bros. & Co., Rockford, Ill. Augers, auger bits, car bits, etc. 224,193, Feb. 22, 1927. Republished Nov. 30. Class 23.

Greif Bros. Cooperage Corporation, Cleveland, Ohio. Garment hangers and cardboard anticreasing guards therefor. 440,175, Aug. 17, 1948. Corrected. O. G. Nov. 30. Class 50.

Grunert, Ferdinand, by Kraft Foods Company, Chicago, Ill. Full-cream cheese. 73,943, June 1, 1909. Republished Nov. 30. Class 46.

Guardian Metals Company, Hamilton, Ohio. Metal plates. 222,105–6, renewed Dec. 21, 1946. O. G. Nov. 30. Class 14.

Gump, B. F., Co., Chicago, Ill. Blending and mixing machines. 251,475, renewed Jan. 8, 1949. O. G. Nov. 30. Class 23.

Gusler, George T.: *See*—
Omar Chemical Company.

Gutmann, Carl, & Co., by Carl Gutmann & Co. Inc., New York, N. Y. Ladies' and misses' sweaters, blouses, outer sport skirts, etc. 404,570, Dec. 7, 1943. Republished Nov. 30. Class 39.

Gutmann, Carl, & Co. Inc.: *See*—
Gutmann, Carl, & Co.

Haas, Baruch & Co., Los Angeles, Calif. Canned fish, canned fruits, canned vegetables, etc. 243,930, July 3, 1928. Republished Nov. 30. Class 46.

Haas Brothers: *See*—
Gahan, A. J.
Lilienthal, Benjamin P.

Haas Brothers, San Francisco, Calif. Wax paper. 259,388, July 30, 1929. Republished Nov. 30. Class 37.

Hanes Hosiery Mills Co., Winston-Salem, N. C., and New York, N. Y. Hosiery. 504,514, Nov. 30; Serial No. 529,896. Class 39.

Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear, and children's sleepers. 504,332, Nov. 30; Serial No. 531,468, published Aug. 10, 1948. Class 39.

Hano Paper Corporation, New York, N. Y. Paper products. 441,453, Nov. 30; Serial No. 502,577, published Aug. 24, 1948. Class 37.

Hard Manufacturing Company, Buffalo, N. Y. Furniture, beds, and bedding. 504,344, Nov. 30; Serial No. 532,930, published Sept. 7, 1948. Class 32.

Harper-Wyman Company, Chicago, Ill. Smoker's ash trays. 504,270, Nov. 30; Serial No. 518,293, published Sept. 7, 1948. Class 8.

Hartley, Wm. P., Limited, Liverpool and London, England. Jams, fruit preserves, marmalade, etc. 366,361, Apr. 11, 1939. Republished Nov. 30. Class 46.

Hartmann Company: *See*—
Hartmann Trunk Company.

Hartmann Trunk Company, to Hartmann Company, Racine, Wis. Wardrobe cases, suitcases, luggage hatboxes, etc. 253,559, renewed Feb. 26, 1949. O. G. Nov. 30. Class 3.

Heathcoat, John, & Co., Tiverton, Devon, England, assignor to Heathcoat, John & Co., Inc., New York, N. Y. Medical and surgical supplies. 441,502, Nov. 30; Serial No. 519,953, published Aug. 31, 1948. Class 44.

Heathcoat, John, & Co., Inc., assignee: *See*—
Heathcoat, John & Co.

Heide, Henry, by Henry Heide, Incorporated, New York, N. Y. Almond paste. 54,938, Aug. 7, 1906. Republished Nov. 30. Class 46.

Heide, Henry, by Henry Heide, Incorporated, New York, N. Y. All forms of candies. 58,790, Dec. 25, 1906. Republished Nov. 30. Class 46.

Heide, Henry, by Henry Heide, Incorporated, New York, N. Y. Candies, bakers' pastes, and cake-fillers, etc. 103,102, Mar. 16, 1915. Republished Nov. 30. Class 46.

Heide, Henry, by Henry Heide, Incorporated, New York, N. Y. Candies, cocoa and chocolate. 105,053, July 6, 1915. Republished Nov. 30. Class 46.

Heide, Henry, Incorporated: *See*—
Greenfield's, E., Sons.
Heide, Henry.

Heide, Henry, Incorporated, New York, N. Y. Candies. 220,367, Nov. 9, 1926. Republished Nov. 30. Class 46.

Heide, Henry, Incorporated, New York, N. Y. Candies, candied nut products. 243,976, July 3, 1928. Republished Nov. 30. Class 46.

Heide, Henry, Incorporated, New York, N. Y. Candies, candied nut products. 293,766, May 3, 1932. Republished Nov. 30. Class 46.

Hendricks, Frank R., doing business as Majestic Venetian Blind Manufacturers, Puyallup, Wash. Venetian blinds. 504,282, Nov. 30; Serial No. 527,084, published Aug. 17, 1948. Class 32.

Henri, Jon, Inc., Cincinnati, Ohio. Liquid cream shampoo. 441,493, Nov. 30; Serial No. 517,846, published Aug. 31, 1948. Class 6.

Heribert, Herbert J.: *See*—
Heribert, Inc., assignee.

Heribert, Inc., New York, N. Y., assignee of H. J. Heribert. Printing lacquers for use on plastic sheetings. 504,490, Nov. 30; Serial No. 501,740. Class 11.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Wallets and key containers. 504,462, Nov. 30; Serial No. 549,253, published Aug. 31, 1948. Class 3.

Hicks, W. Wesley, doing business as Wesix Heater Factory, San Francisco, Calif. Electric water heaters. 254,781, Apr. 2, 1929. Republished Nov. 30. Class 21.

Hicks, W. Wesley, Los Angeles, by Wesix Electric Heater Co., San Francisco, Calif. Electric air heaters. 273,645, Aug. 5, 1930. Republished Nov. 30. Class 21.

Hoberg Paper and Fibre Company, to Hoberg Paper Mills, Inc., Green Bay, Wis. Toilet paper, paper towels, and paper napkins. 246,877, renewed Sept. 18, 1948. O. G. Nov. 30. Class 37.

Hoberg Paper Mills, Inc.: *See*—
Hoberg Paper and Fibre Company.

Hollingsworth & Vose Company, East Walpole, Mass. Technical and industrial papers of rope, jute, and/or rag manufactured and sold in bulk. 504,308, Nov. 30; Serial No. 529,386, published Aug. 10, 1948. Class 37.

Home Products Co., Los Angeles, Calif. Plastic sink tops and cabinet tops. 441,478, Nov. 30; Serial No. 513,180, published Aug. 31, 1948. Class 32.

Hornes, Maria, Inc.: *See*—
Hornes, Maria, Ltd.

Hornes, Maria, Ltd., London, England; assignor to Maria Hornes, Inc., New York, N. Y. Face lotion, hand lotion, foot lotion, etc. 504,429, Nov. 30; Serial No. 543,184, published Aug. 31, 1948. Class 6.

Horrocks-Ibbotson Company, Utica, N. Y. Fishing rods and poles, fishing reels, fishing lures, hooks, sinkers, etc. 441,483, Nov. 30; Serial No. 514,341, published Aug. 17, 1948. Class 22.

Houghton, E. F., & Co., Philadelphia, Pa. Lubricating oils and lubricating greases. 504,350, Nov. 30; Serial No. 533,567, published Aug. 17, 1948. Class 15.

Howard Paper Mills, Inc., Dayton, Ohio. Bond paper, ledger paper and paper envelopes. 504,311, Nov. 30; Serial No. 529,993, published Aug. 10, 1948. Class 37.

Hoyt, F. M., & Co.: *See*—
Hoyt, Frank M.

Hoyt, F. M., & Co., Inc.: *See*—
Hoyt, Frank M.

Hoyt, Frank M., by F. M. Hoyt & Co., Inc., Amesbury, Mass. Peanut butter. 67,578, Feb. 11, 1908. Republished Nov. 30. Class 46.

Hoyt, Frank M., by F. M. Hoyt & Co., Inc., Amesbury, Mass. Salted nuts. 114,355, Dec. 12, 1916. Republished Nov. 30. Class 46.

Hoyt, Frank M., doing business as F. M. Hoyt & Co., by F. M. Hoyt & Co., Inc., Amesbury, Mass. Candy. 186,139, July 1, 1924. Republished Nov. 30. Class 46.

Hudnut, Richard, New York, N. Y. Men's talcum, after shave lotion, cologne, etc. 441,469, Nov. 30; Serial No. 509,003, published Aug. 31, 1948. Class 6.

Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 250,329, Dec. 4, 1928. Republished Nov. 30. Class 39.

Hy-Phen Corporation: *See*—
Bradley's Laboratory.

Industrial Synthetics Corporation, Garwood, N. J. Clothesline. 504,444, Nov. 30; Serial No. 546,774, published Aug. 31, 1948. Class 7.

Industrial Synthetics Corporation, Garwood, N. J. Clothesline. 504,461, Nov. 30; Serial No. 549,148, published Aug. 31, 1948. Class 7.

Inglada, Miguel, doing business as Mida Record Co., New York, N. Y. Mechanically grooved phonograph records. 504,518, Nov. 30; Serial No. 531,327. Class 36.

Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Enameled metal signs. 105,851, Aug. 24, 1915. Republished Nov. 30. Class 50.

Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Enameled metal door-plates. 106,233, Oct. 19, 1915. Republished Nov. 30. Class 50.

Inter-Communication System of America, Inc., Chicago, Ill. Wired and wireless two-way electrical loudspeaker, etc. 504,313, Nov. 30; Serial No. 530,203, published Sept. 7, 1948. Class 21.

International Braid Company, assignor to International Braid Company, (1947), Providence, R. I. Ladder tapes for Venetian blinds. 504,391, Nov. 30; Serial No. 539,956, published Aug. 10, 1948. Class 40.

International Braid Company, (1947): *See*—
International Braid Company.

International Cellucotton Products Company, Chicago, Ill. All purpose absorbent paper tissues. 504,337, Nov. 30; Serial No. 532,229, published Aug. 3, 1948. Class 37.

International Nickel Company, Inc., The, New York, N. Y. Nickel-containing alloy addition agent in crushed form. 504,443, Nov. 30; Serial No. 546,706, published Aug. 10, 1948. Class 14.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Lard substitute. 117,149, June 19, 1917. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Shortening. 117,150, June 19, 1917. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Shortening compound. 118,783, Oct. 2, 1917. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Cotton seed oil shortening. 121,449, Apr. 30, 1918. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Company, by Mrs. Tucker's Foods, Inc., Sherman, Tex. Shortening. 133,999, Aug. 10, 1920. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Shortening made from cottonseed oil. 205,183, Nov. 3, 1925. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Flaked hydrogenated cottonseed oil. 342,471, Jan. 19, 1937. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Lard substitute. 354,633, Feb. 15, 1938. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Vegetable oil shortening. 367,645, May 23, 1939. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Wheat flour, canned vegetables, canned fruits, etc. 367,965, June 6, 1939. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Vegetable oil shortening and hydrogenated oil. 421,225, May 21, 1946. Republished Nov. 30. Class 46.

Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Vegetable oil shortening. 422,222–3, July 9, 1946. Republished Nov. 30. Class 46.

Intertype Corporation, Brooklyn, N. Y. Type-character-bearing elements for use in typographical machines. 504,495, Nov. 30; Serial No. 513,251. Class 23.

Intertype Corporation, Brooklyn, N. Y. Typographical line composing machines. 504,496–7, Nov. 30; Serial Nos. 513,253–4. Class 23.

Intertype Corporation, Brooklyn, N. Y. Type-character-bearing elements. 504,498, Nov. 30; Serial No. 513,255. Class 23.

Jacoby & Friedman Inc., New York, N. Y. Dresses for women, misses and girls. 441,446, Nov. 30; Serial No. 495,607, published Aug. 17, 1948. Class 39.

Jaymor Yarn Corporation, White Plains, N. Y. Yarn. 504,376, Nov. 30; Serial No. 537,320, published Aug. 10, 1948. Class 43.

Jeddo-Highland Coal Company, Jeddo, Pa. Coal. 252,082, renewed Jan. 22, 1949. O. G. Nov. 30. Class 1.

Jewett & Sherman Co., Milwaukee, Wis. Coffee, tea, cocoa, etc. 432,573, Sept. 9, 1947. Republished Nov. 30. Class 46.

Johnson & Johnson, New Brunswick, N. J. Protective surgical adhesive bandages. 441,459, Nov. 30; Serial No. 503,296, published Feb. 10, 1948. Class 44.

Jones, Dean, Inc., Kansas City, Mo. Ladies' frocks. 504,522, Nov. 30; Serial No. 540,594. Class 39.

Juilliard, A. D., & Co., Inc.: *See*—
Atlantic Mills, The.

Kansas Oxygen Company, Inc., Hutchinson, Kans. Hard facing alloy metal. 504,421, Nov. 30; Serial No. 542,322, published Aug. 10, 1948. Class 14.

Kathryn, Inc., assignee: *See*—
Daumit, Kay.

Kaufman and Ruderman Co. Inc., New York, N. Y. Ornamental pins and brooches. 504,271, Nov. 30; Serial No. 518,464, published Sept. 7, 1948. Class 28.

Keith Paper Company, Turners Falls, Mass. Writing and printing paper. 504,345, Nov. 30; Serial No. 533,028, published Aug. 10, 1948. Class 37.

Keith Paper Company, Turner Falls, Mass. Writing and printing paper. 504,346–7, Nov. 30; Serial Nos. 533,030–1, published Aug. 10, 1948. Class 37.

Keystone Cabinet Company, Littlestown, Pa. Kitchen cabinets. 504,342, Nov. 30; Serial No. 532,833, published Aug. 17, 1948. Class 32.

Keystone Hair Insulator Company, Allegheny, Pa., by American Hair & Felt Company, Chicago, Ill. Linings of insulating material. 46,337, Sept. 12, 1905. Republished Nov. 30. Class 12.

Keystone Hair Insulator Company, Allegheny, Pa., by American Hair & Felt Company, Chicago, Ill. Linings of insulating material. 47,364, Oct. 31, 1905. Republished Nov. 30. Class 12.

Keystone Hair Insulator Company, Allegheny, Pa., by American Hair & Felt Company, Chicago, Ill. Linings of insulating material. 48,212, Dec. 19, 1905. Republished Nov. 30. Class 12.

Keystone Hair Insulator Co., Pittsburgh, Pa., by American Hair & Felt Company, Chicago, Ill. Insulating material. 88,090, Aug. 27, 1912. Republished Nov. 30. Class 12.

Keystone Hair Insulator Company, Pittsburgh, Pa., by American Hair & Felt Company, Chicago, Ill. Insulating-sheeting. 144,592, July 12, 1921. Republished Nov. 30. Class 12.

Keystone Hair Insulator Company, Pittsburgh, Pa., and New York, N. Y., by American Hair & Felt Company, Chicago, Ill. Sheets of insulating material. 210,404, Mar. 16, 1926. Republished Nov. 30. Class 12.

Kinerk, E., Indianapolis, Ind., to Red Robin Stores, Inc., New York, N. Y. Hosiery. 250,283, renewed Dec. 4, 1948. O. G. Nov. 30. Class 39.

King, Charles L., New York, N. Y. Billfolds, brief cases, toilet cases, etc. 504,382, Nov. 30; Serial No. 538,147, published Aug. 17, 1948. Class 3.

King Milling Co., The, Lowell, Mich. Wheat flour. 102,117, Jan. 26, 1915. Republished Nov. 30. Class 46.

Koch, George, Sons, Inc., Evansville, Ind. Base metal flower vases, trays and holders. 310,894, Mar. 13, 1934. Republished Nov. 30. Class 13.

Koppers Company, Inc., Pittsburgh, Pa., and Baltimore, Md. Piston rings. 504,299, Nov. 30; Serial No. 528,801, published Aug. 17, 1948. Class 35.

Kraft Foods Company: *See*—
Grunert, Ferdinand.

Krause, Herbert H., & Associates, Chicago, Ill. Toys. 441,452, Nov. 30; Serial No. 501,512, published Aug. 3, 1948. Class 22.

Krim, Max, Lebanon, Pa. Nonalcoholic beverages, etc. 276,210, Oct. 14, 1930. Canceled Aug. 11, 1948. O. G. Nov. 30. Class 45.

Kroll Brothers Company, Chicago, Ill. Cribs. 441,441, Nov. 30; Serial No. 493,128, published May 6, 1947. Class 32.

Kroll Brothers Company, Chicago, Ill. Crib springs. 441,442, Nov. 30; Serial No. 493,127, published May 6, 1947. Class 32.

Kroll Brothers Company, Chicago, Ill. Crib springs. 441,443, Nov. 30; Serial No. 493,129, published May 6, 1947. Class 32.

Krout & Fite Manufacturing Company, Philadelphia, Pa. Tapes and bindings. 73,109, re-renewed Mar. 16, 1949. O. G. Nov. 30. Class 40.

Laub's, Geo., Sons, Buffalo, N. Y. Leather. 277,501, Nov. 11, 1930. Republished Nov. 30. Class 1.

Lavino, E. J., and Company, Philadelphia, Pa. Expansion plates. 375,086, Feb. 6, 1940. Canceled Oct. 29, 1948. O. G. Nov. 30. Class 12.

Lee Rubber and Tire Corporation, Conshohocken, Pa. Rubber cements. 504,375, Nov. 30; Serial No. 537,200, published Sept. 7, 1948. Class 5.

Lee, William W., & Co., Watervliet and Troy, by William W. Lee & Co. (1945), Watervliet, N. Y. Croup remedy. 101,958, Jan. 19, 1915. Republished Nov. 30. Class 6.

Lee, William W., & Co. (1945): *See*—
Lee, William W., & Co.

Lehman-Baer Company, Baltimore, Md. Children's sunsuits, wash suits, etc. 504,373, Nov. 30; Serial No. 537,053, published Aug. 10, 1948. Class 39.

Lektrolite Corporation, New York, N. Y. Penknives and pocket knives. 441,480, Nov. 30; Serial No. 514,120, published Aug. 31, 1948. Class 23.

Leonardo Lamp Mfg. Co., New York and Brooklyn, N. Y. Photographic lamp mounting brackets. 441,497, Nov. 30; Serial No. 519,075, published Aug. 31, 1948. Class 26.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 504,424, Nov. 30; Serial No. 542,602, published Aug. 17, 1948. Class 4.

Levine, Rae B., Leominster, Mass. Combs. 504,411, Nov. 30; Serial No. 541,307, published Aug. 10, 1948. Class 40.

Lewis-Shepard Products, Inc., Watertown, Mass. Materials-handling equipment. 504,265, Nov. 30; Serial No. 513,183, published Aug. 17, 1948. Class 23.

Lilenthal, Benjamin P., by Haas Brothers, San Francisco, Calif. Whiskey. 310,242, Feb. 13, 1934. Republished Nov. 30. Class 49.

Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding rods and welding wire. 504,430, Nov. 30; Serial No. 543,198, published Aug. 17, 1948. Class 14.

Lincoln Engineering Company, St. Louis, Mo. Portable and stationary lubricating apparatus. 430,242, June 10, 1947. Republished Nov. 30. Class 23.

Lincoln Engineering Company, St. Louis, Mo. Non-metallic packing washers. 504,260, Nov. 30; Serial No. 502,221, published Aug. 31, 1948. Class 35.

Lindquist, R. J., & Co.: *See*—
Lindquist, Robert J.

Lindquist, Robert J., doing business as R. J. Lindquist & Co., Los Angeles, Calif. Medical electronic equipment. 504,291, Nov. 30; Serial No. 528,087, published Aug. 31, 1948. Class 44.

Litchfield Creamery Co., Litchfield, Ill. Canned evaporated milk. 265,695, Jan. 7, 1930. Republished Nov. 30. Class 46.

Loew's, Incorporated: *See*—
Goldwyn Pictures Corporation.
Metro-Goldwyn Distributing Corporation.

Logan-Long Company, The, Chicago, Ill. Building material, etc. 295,718, July 12, 1932. Corrected. O. G. Nov. 30. Class 12.

Logan, Walter A., doing business as Truecraft Mfg. Co., Pasadena, Calif. Buttons. 504,468–9, Nov. 30; Serial Nos. 549,813–14, published Sept. 7, 1948. Class 40.

Los Angeles Soap Company, Los Angeles, Calif. Soaps. 504,318, Nov. 30; Serial No. 530,746, published Aug. 24, 1948. Class 4.

Lumbard-Watson Co., Auburn, Maine. Shoes. 504,520, Nov. 30; Serial No. 532,242. Class 39.

M. K. M. Hosiery Mills, Inc.: *See*—
Massachusetts Knitting Mills.

Maas & Waldstein Co., Newark, N. J. Paints in ready-mixed form, lacquers and paint enamels. 421,703, June 11, 1946. Republished Nov. 30. Class 16.

Magic Smell Tackle Company, The: *See*—
Smeja, Eugene A.

Majestic Venetian Blind Manufacturers: *See*—
Hendricks, Frank R.

Maltine Company, The, New York, N. Y. Blood tonic, vitamin capsules with dicalcium phosphate, etc. 441,463, Nov. 30; Serial No. 505,903, published Aug. 24, 1948. Class 6.

Maubee Equipment Company, Inc., Chicago, Ill. Machines for checking the dynamic and static balance of the wheels of motor vehicles. 441,473, Nov. 30; Serial No. 510,712, published Aug. 31, 1948. Class 26.

Manifold Supplies Company, Brooklyn, N. Y. Carbon paper and inked ribbons. 504,448, Nov. 30; Serial No. 547,136, published Aug. 31, 1948. Class 11.

Manley Sand Company, Rockton, Ill. Bentonite. 441,524, Nov. 30; Serial No. 510,852. Class 1.

Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann, Paris, France. Yarns and threads. 504,301, Nov. 30; Serial No. 528,874, published Aug. 10, 1948. Class 43.

Marble Arms & Mfg. Company, Gladstone, Mich. Hunting knives, fish knives, safety pocket axes, etc. 504,316, Nov. 30; Serial No. 530,535, published Aug. 17, 1948. Class 23.

Marcus, E. N. & Co., Boston, Mass. Women's and misses' dresses. 504,513, Nov. 30; Serial No. 529,664. Class 39.

Maritime Milling Co. Inc.: *See*—
Bossemeyer Bros.
Maritime Trading Corporation.

Maritime Milling Co. Inc., Buffalo, N. Y. Poultry and stock feed. 204,081, Oct. 6, 1925. Republished Nov. 30. Class 46.

Maritime Milling Company, Inc., Buffalo, N. Y. Dairy feed. 234,023, Oct. 18, 1927. Republished Nov. 30. Class 46.

Maritime Milling Co. Inc., Buffalo, N. Y. Poultry feeds. 297,592, Sept. 20, 1932. Republished Nov. 30. Class 46.

Maritime Milling Co. Inc., Buffalo, N. Y. Dog food. 344,267, Mar. 16, 1937. Republished Nov. 30. Class 46.

Maritime Milling Co. Inc., Buffalo, N. Y. Dog food. 372,136, Oct. 24, 1939. Republished Nov. 30. Class 46.

Maritime Trading Corporation, New York, by Maritime Milling Co. Inc., Buffalo, N. Y. Stock food. 127,286, Nov. 4, 1919. Republished Nov. 30. Class 46.

Markay Bags, Inc., New York, N. Y. Handbags. 504,352, Nov. 30; Serial No. 533,757, published Sept. 7, 1948. Class 3.

Marlow, Dwain S., doing business as Ev-Air Cosmetic Co., Tulsa, Okla. Hair rinse. 504,427, Nov. 30; Serial No. 542,959, published Sept. 7, 1948. Class 6.

Marquette Petroleum Products, Inc., Chicago, Ill. Lubricating oils. 243,139, June 12, 1928. Republished Nov. 30. Class 15.

Mason, Harry L., New York, N. Y. Costume ornaments. 441,457, Nov. 30; Serial No. 503,167, published Aug. 24, 1948. Class 40.

Masonite Corporation, Chicago, Ill. and Laurel, Miss. Binders in powder or other dry form. 504,273, Nov. 30; Serial No. 521,743, published Aug. 31, 1948. Class 5.

Massachusetts Knitting Mills, to M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. 248,837, renewed Oct. 30, 1948. O. G. Nov. 30. Class 39.

Master Rule Manufacturing Co., Inc., New York, N. Y. Rules, folding rules, and extension rules. 273,810, Aug. 12, 1930. Republished Nov. 30. Class 26.

Maury-Cole Company, to Canova Foods, Incorporated, Memphis, Tenn. Coffee, salad dressing, Thousand Island dressing, etc. 214,065, renewed Jan. 5, 1948. O. G. Nov. 30. Class 46.

Maury-Cole Company, to Canova Foods, Incorporated, Memphis, Tenn. Pepper sauce. 233,460, re-renewed Jan. 5, 1948. O. G. Nov. 30. Class 46.

Mayer Handbag Co., The, South Norwalk, Conn. Handbags. 505,510, Nov. 30; Serial No. 525,636. Class 3.

McBride, Helen E., doing business as Chittenden Press, Toledo, Ohio. Paper covers for bridge tables. 504,348, Nov. 30; Serial No. 533,188, published Aug. 10, 1948. Class 37.

McCoy's Laboratories, Inc., New York, N. Y., to Quel Products Inc., Cleveland, Ohio. Digestive tablets. 236,755, renewed Dec. 20, 1947. O. G. Nov. 30. Class 6.

McKay, Davis Company, Toledo, Ohio. Cough syrups and tablets, headache and stomach relief medicines in liquid, powder, tablet, and granular forms. 441,527, Nov. 30; Serial No. 525,361. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Nose and throat spray and gargle. 243,902, renewed July 3, 1948. O. G. Nov. 30. Class 6.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Nose and throat spray and gargle. 243,913, renewed July 3, 1948. O. G. Nov. 30. Class 6.

McNeely & Price, to McNeely & Price Co., Philadelphia, Pa. Glazed kid. 71,715, re-renewed Dec. 15, 1948. O. G. Nov. 30. Class 1.

McNeely & Price Co.: *See*—
McNeely & Price.

Medina, J. A., Company, New York, N. Y. Green coffee. 253,610, renewed Mar. 5, 1949. O. G. Nov. 30. Class 46.

Meier & Frank Company, by Meier & Frank Company, Inc., Portland, Oreg. Men's and boys' suits and overcoats. 231,095, Aug. 9, 1927. Republished Nov. 30. Class 39.

Meier & Frank Company, Inc.: *See*—
Meier & Frank Company.

Meier, Inc., Detroit, Mich. Filters and filter elements. 441,481, Nov. 30; Serial No. 514,210, published Sept. 7, 1948. Class 31.

Mendenhall, J. C., Medicine Co., Incorporated, Mount Vernon, Ind. Malaria chill and fever tonic. 504,447, Nov. 30; Serial No. 547,014, published Sept. 7, 1948. Class 6.

Metal Textile Corporation, West Orange, N. J. Handle mounted pot cleansers. 504,433, Nov. 30; Serial No. 543,953, published Aug. 17, 1948. Class 4.

Metal-Lite Products Specialty Manufacturing Company, Bay City, Mich. Archery equipment, etc. 422,854, May 20, 1947. Canceled Oct. 29, 1948. O. G. Nov. 30. Class 22.

Metals Refining Company: *See*—
Glidden Company, The.

Metro-Goldwyn Distributing Corporation, assignor to Metro-Goldwyn Pictures Corporation of New York, N. Y., by Loew's, Incorporated, New York, N. Y. Motion picture films. 206,370, Dec. 1, 1925. Republished Nov. 30. Class 26.

Metro-Goldwyn Pictures Corporation of New York, N. Y.: *See*—
Metro-Goldwyn Distributing Corporation.

Meyer, Foote & Dayton Co., Rochester, N. Y. Coffee and tea. 99,769, Sept. 15, 1914. Republished Nov. 30. Class 46.

Meyer, Foote & Dayton Co., Rochester, N. Y. Bluing. 166,265, Mar. 27, 1923. Republished Nov. 30. Class 6.

Miami Knitting Mills: *See*—
Schlanger, Hyman.

Mida Record Co.: *See*—
Inglada, Miguel.

Midland Shoe Company, St. Louis, Mo. Women's and misses' shoes. 504,499, Nov. 30; Serial No. 513,804. Class 39.

Mido Societe Anonyme, Bienne, Switzerland, assignor to Mido Watch Company of America, Inc., New York, N. Y. Watches, watch casings, and parts of watches. 441,522, Nov. 30; Serial No. 498,535. Class 27.

Mido Watch Company of America, Inc., assignee: *See*—
Mido Societe Anonyme.

Mike, Frances B., Newark, N. J. Scalp and hair dressing pomades. 416,795, Sept. 25, 1945. Canceled Oct. 29, 1948. O. G. Nov. 30. Class 6.

Miller, G. S., Co.: *See*—
Miller, Louise S.

Miller, Louise S., doing business as G. S. Miller Co., Sheffield, Mass. Oil. 441,474, Nov. 30; Serial No. 511,173, published Mar. 2, 1948. Class 15.

Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Agricultural machinery, implements, and accessories. 504,309, Nov. 30; Serial No. 529,395, published Aug. 17, 1948. Class 23.

Mission Dry Corporation: *See*—
Mission Dry Corporation, Ltd.

Mission Dry Corporation, Ltd., by Mission Dry Corporation, Los Angeles, Calif. Non-alcoholic, noncereal, maltless beverages. 296,449, Aug. 9, 1932. Republished Nov. 30. Class 45.

Mission Dry Corporation, Los Angeles, Calif. Sherbet base. 409,505–6, Oct. 10, 1944. Republished Nov. 30. Class 46.

Mixermobile Manufacturers, Portland, Oreg. Automotive material handling apparatus. 504,500, Nov. 30; Serial No. 514,426. Class 23.

Mock, Judson, Voehringer Co., Inc., by Mojud Hosiery Co., Inc., Long Island City, N. Y. Stockings. 309,242, Jan. 9, 1934. Republished Nov. 30. Class 39.

Mock, Judson, Voehringer Co. of New York, Inc., by Mojud Hosiery Co., Inc., Long Island City, N. Y. Title for a magazine section. 388,611, July 1, 1941. Republished Nov. 30. Class 38.

Modern Handcraft, Inc., doing business as Aunt Martha's Studios, Kansas City, Mo. Hot iron transfers. 504,470, Nov. 30; Serial No. 549,824, published Aug. 31, 1948. Class 40.

Modern Venetian Blinds, Inc., New York, N. Y. Venetian blinds. 504,371, Nov. 30; Serial No. 536,946, published Aug. 31, 1948. Class 32.

Mohawk Brush Company, Albany, N. Y. Hair brushes, military brushes, clothes brushes, etc. 389,617, Aug. 12, 1941. Republished Nov. 30. Class 29.

Mohawk Brush Company, Albany, N. Y. Hair brushes, military brushes, clothes brushes, etc. 392,336, Dec. 23, 1941. Republished Nov. 30. Class 29.

Mojud Hosiery Co., Inc.: *See*—
Mock, Judson, Voehringer Co., Inc.
Mock, Judson, Voehringer Co. of New York, Inc.

Molinard: *See*—
Benard & Honnorat.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 504,479, Nov. 30; Serial No. 554,582, published Sept. 7, 1948. Class 6.

Morgan & Allen Company, San Francisco, Calif. Jewelry. 504,384, Nov. 30; Serial No. 538,309, published Aug. 24, 1948. Class 28.

Motor Parts & Supply Co., Liberal, Kans. Crank shafts, etc. 381,433, Sept. 24, 1940. Canceled Oct. 1, 1948. O. G. Nov. 30. Class 23.

Mount Carbon Manufacturing and Supply Company, Pottsville, Pa. Beer. 414,104, May 29, 1945. Republished Nov. 30. Class 48.

Mueller Brass Co., Port Huron, Mich. Parts of refrigeration apparatus. 432,689, Sept. 9, 1947. Republished Nov. 30. Class 31.

Multicomb Company, assignor to Multicomb, Incorporated, Pasadena, Calif. Hair combs. 504,515, Nov. 30; Serial No. 530,420. Class 40.

Multicomb, Incorporated: *See*—
Multicomb Company.

Mundet Cork Corporation, Brooklyn, N. Y. Cork discs. 441,507, Nov. 30; Serial No. 521,594, published Aug. 31, 1948. Class 50.

Mutual Citrus Products Company, Anaheim, Calif. Canned citrus fruit juice. 329,321, Oct. 22, 1935. Republished Nov. 30. Class 46.

Mutual Citrus Products Company, Anaheim, Calif. Powdered beverage base. 402,099, June 29, 1943. Republished Nov. 30. Class 45.

Mutual Citrus Products Company, Anaheim, Calif. Powdered fruit base. 408,701, Aug. 29, 1944. Republished Nov. 30. Class 46.

Nadelle Bags: *See*—
Trystman, Lillian.

Nance, Jim (Miss), Charlotte, N. C. Ladies' blouses. 441,494, Nov. 30; Serial No. 517,859, published Aug. 17, 1948. Class 39.

Napco Corporation, The, The Barbasol Company, Indianapolis, Ind. Paste-like preparation for shaving and skin-healing purposes. 135,022, Sept. 21, 1920. Republished Nov. 30. Class 4.

Narrow Fabric Company, The, West Reading, Pa. Plain and fancy narrow knitted elastic bands, narrow elastic braids, and narrow elastic webbing. 504,355, Nov. 30; Serial No. 534,325, published Aug. 17, 1948. Class 40.

National Acme Company, The, Cleveland, Ohio. Chucking machines. 441,461, Nov. 30; Serial No. 505,511, published June 17, 1947. Class 23.

National Silver Company, New York, N. Y. Tableware and cutlery. 441,489, Nov. 30; Serial No. 517,146, published Aug. 31, 1948. Class 23.

Newark Paraffine & Parchment Paper Co., Newark, N. J. Wax paper. 254,333, renewed Mar. 19, 1949. O. G. Nov. 30. Class 37.

New Process Company, Warren, Pa. Men's traveling bags. 504,392, Nov. 30; Serial No. 540,086, published Aug. 10, 1948. Class 3.

New Process Company, Warren, Pa. Ladies' traveling bags. 504,393, Nov. 30; Serial No. 540,087, published Aug. 10, 1948. Class 3.

New York Air Brake Company, The, New York and Watertown, N. Y. Track sanders. 504,295, Nov. 30; Serial No. 528,365, published Aug. 17, 1948. Class 23.

Niles-Bemet-Pond Company, West Hartford, Conn. Dimension gages. 504,278, Nov. 30; Serial No. 526,700, published Aug. 31, 1948. Class 26.

Niles Rolling Mill Company, The, Niles, Ohio. Copper bearing steel sheets and galvanized steel sheets. 504,380, Nov. 30; Serial No. 537,720, published Aug. 17, 1948. Class 14.

Nipa Laboratories Limited, London, England. Organic esters. 504,472, Nov. 30; Serial No. 549,943, published Aug. 31, 1948. Class 6.

Nolde & Horst Company, The, Reading, Pa., by Arkwright, Incorporated, New York, N. Y. Hosiery. 279,882, Feb. 3, 1931. Repub'ished Nov. 30. Class 39.

Nordic Baking and Importing Company, Seattle, Wash. Prepared food products, etc. 387,322, May 13, 1941. Canceled Oct. 29, 1948. O. G. Nov. 30. Class 46.

Nordic Baking and Importing Company, Seattle, Wash. Knackebrod. 398,667; Nov. 17, 1942. Canceled Oct. 29, 1948. O. G. Nov. 30. Class 46.

Northam Warren Corporation, Stamford, Conn. Nail polish, nail polish remover, basecoat, etc. 504,412, Nov. 30; Serial No. 541,329, published Aug. 31, 1948. Class 6.

Northwestern Luggage Co., Seattle, Wash. Hand luggage. 504,272, Nov. 30; Serial No. 520,642, published Aug. 10, 1948. Class 3.

Nourse Oil Company, Kansas City, Kans. Lubricating oils and lubricating greases. 246,526, renewed Sept. 11, 1948. O. G. Nov. 30. Class 15.

Nye Tool Company: *See*—
Nye Tool & Machine Works.

Nye Tool & Machine Works, The, by Nye Tool Company, Chicago, Ill. Pipe cutters, pipe cutter wheels, pipe vises, etc. 192,911, Dec. 16, 1924. Republished Nov. 30. Class 23.

Oakes & Company, Chicago, Ill. Baseballs, softballs, baseball gloves, etc. 441,498, Nov. 30; Serial No. 519,086, published Aug. 3, 1948. Class 22.

Ohio Match Company, The, by The Ohio Match Company, Wadsworth, Ohio. Matches. 106,662, Oct. 26, 1915. Republished Nov. 30. Class 9.

Ohio Match Company, The, by The Ohio Match Company, Wadsworth, Ohio. Matches. 186,690, July 22, 1924. Republished Nov. 30. Class 9.

Ohio Match Company, The, by The Ohio Match Company, Wadsworth, Ohio. Matches. 211,533–4, Apr. 13, 1926. Republished Nov. 30. Class 9.

Old Colony Paint & Chemical Co., Los Angeles, Calif. Wood or cement floor paint, house paint. 396,119, June 30, 1942. Republished Nov. 30. Class 16.

Old Virginia Packing Company, Inc., Front Royal, Va. Fruit jellies, fruit jams, fruit preserves, etc. 429,831, May 20, 1947. Republished Nov. 30. Class 46.

Olympia Canning Company, Olympia, Wash. Canned vegetables. 252,308, renewed Jan. 29, 1949. O. G. Nov. 30. Class 46.

Omar Chemical Company, by George T. Gusler, Columbus, Ohio. Preparation for cleaning wall paper. 316,967, Sept. 11, 1934. Republished Nov. 30. Class 4.

Oneida Bleachery, Inc., The, New York Mills, N. Y. Pillow cases. 420,298, Apr. 2, 1946. Republished Nov. 30. Class 42.

Oneida Ltd., Oneida and Sherrill, N. Y. Silverplated flat and hollow tableware. 504,434–5, Nov. 30; Serial Nos. 544,185–6, published Sept. 7, 1948. Class 28.

Onondaga Silk Company, Inc., Syracuse and New York, N. Y. Silk fabrics in the piece. 298,701, Nov. 1, 1932. Republished Nov. 30. Class 42.

Onondaga Silk Company, Inc., New York, N. Y. Silk fabrics in the piece. 300,523, Jan. 24, 1933. Republished Nov. 30. Class 42.

Onondaga Silk Company, Inc., New York, N. Y. Silk piece goods. 331,410, Jan. 7, 1936. Republished Nov. 30. Class 42.

Oppenheim, Collins & Co. Inc., New York, N. Y. Women's, misses', and children's shoes. 248,998, Nov. 6, 1928. Republished Nov. 30. Class 39.

Osborn Manufacturing Company, The, Cleveland, Ohio. Brushes. 504,276, Nov. 30; Serial No. 524,202, published Aug. 24, 1948. Class 23.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Wardrobe trunks. 504,473, Nov. 30; Serial No. 549,946, published Aug. 31, 1948. Class 3.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Trunks, hand luggage. 504,474, Nov. 30; Serial No. 549,947, published Aug. 31, 1948. Class 3.

Overland Automobile Company, Indianapolis, Ind., to Willys-Overland Motors, Inc., Toledo, Ohio. Automobiles. 72,436, re-renewed Jan. 26, 1949. O. G. Nov. 30. Class 19.

Pacific Trading Co., Inc., San Francisco, Calif. Canned fish. 247,681, renewed Oct. 2, 1948. O. G. Nov. 30. Class 46.

Page Milk Co., The, Merrill, Wis. Special vitamin A and vitamin D enriched evaporated milk. 431,162, July 15, 1947. Republished Nov. 30. Class 46.

Pal Blade Company, assignor to Pal Blade Co. Inc., New York, N. Y. Safety razor blades. 441,436, Nov. 30; Serial No. 481,078, published July 3, 1945. Class 23.

Pal Blade Co. Inc., assignee: *See*—
Pal Blade Company.

Parfums Blanchard, New York, N. Y. Bubbling bath oil. 441,512, Nov. 30; Serial No. 524,204, published Aug. 31, 1948. Class 6.

Parke, Davis & Company, Detroit, Mich. Digitalis extract. 504,364, Nov. 30; Serial No. 536,125, published Aug. 24, 1948. Class 6.

Parke, Davis & Company, Detroit, Mich. Ulcer inhibiting preparation. 504,452, Nov. 30; Serial No. 547,478, published Aug. 17, 1948. Class 6.

Pate, Lola, Houston, Tex. Women's and misses' underwear. 504,512, Nov. 30; Serial No. 528,640. Class 39.

Pate Oil Company, Milwaukee, Wis. Lubricating oils and greases. 504,360, Nov. 30; Serial No. 535,608, published Aug. 24, 1948. Class 15.

Patent Button Co., The, Waterbury, Conn. Metal (nonprecious) and plastic buttons. 411,893, Feb. 6, 1945. Republished Nov. 30. Class 40.

Patricia Petticoat Co., Inc., The, by Rhythm Lingeries, Inc., New York, N. Y. Ladies' silk or rayon slips, petticoats, nightgowns, etc. 362,258, Nov. 13, 1938. Republished Nov. 30. Class 39.

Patricia Petticoat Co., Inc., The, by Rhythm Lingeries, Inc., New York, N. Y. Ladies' and misses' slips, petticoats, nightgowns, etc. 377,775, May 14, 1940. Republished Nov. 30. Class 39.

Pears, A. & F., Limited, London, to A. & F. Pears Limited, Isleworth, England. Perfumed toilet soap. 70,853, renewed Oct. 13, 1948. O. G. Nov. 30. Class 4.

Peerless Confection Company, Chicago, Ill. Candies. 174,660, Oct. 23, 1923. Republished Nov. 30. Class 46.

Peerless Confection Company, Chicago, Ill. Candies. 175,079, Oct. 30, 1923. Republished Nov. 30. Class 46.

Peerless Confection Company, Chicago, Ill. Hard candies and filled confections. 202,131, Aug. 18, 1925. Republished Nov. 30. Class 46.

Peerless Confection Company, Chicago, Ill. Mint candy. 220,103, Nov. 2, 1926. Republished Nov. 30. Class 46.

Peerless Confection Company, Chicago, Ill. Candy. 336,677, July 14, 1936. Republished Nov. 30. Class 46.

Penn Tobacco Company, Wilkes-Barre, Pa. Smoking tobacco. 504,390, Nov. 30; Serial No. 539,742, published Aug. 17, 1948. Class 17.

Periodical House Inc., New York, N. Y. Monthly periodical. 504,354, Nov. 30; Serial No. 534,181, published Aug. 24, 1948. Class 38.

Perkins, B. F., & Son, Inc., Holyoke, Mass. Paper testing machines. 72,681, re-renewed Feb. 9, 1949. O. G. Nov. 30. Class 26.

Personal Stationery Co.: *See*—
Blask, Maxwell A.

Phillfuels Company to Phillips Petroleum Company, Bartlesville, Okla. Liquefied industrial gases. 249,081, renewed Nov. 6, 1948. O. G. Nov. 30. Class 6.

Phillfuels Company, to Phillips Petroleum Company, Bartlesville, Okla. Concentrated natural gas. 249,082, renewed Nov. 6, 1948. O. G. Nov. 30. Class 6.

Phillips-Clonick Co., assignor to Phillips-Clonick Corporation, Rochester, N. Y. Insecticide device. 441,451, Nov. 30; Serial No. 501,404, published June 22, 1948. Class 6.

Phillips-Clonick Corporation, assignee: *See*—
Phillips-Clonick Co.

Phillips, P., Dr., Company: *See*—
Phillips, Philip.

Phillips Petroleum Company: *See*—
Phillfuels Company.

Phillips, Philip, by Dr. P. Phillips Company, Orlando, Fla. Fresh fruits and fresh vegetables. 102,584, Feb. 16, 1915. Republished Nov. 30. Class 46.

Pioneer Manufacturing Company of Wilkes-Barre, Pa., Wilkes-Barre, Pa., and New York, N. Y., now by change of name, Pioneer Manufacturing Company, Inc. Cotton, rayon, silk, and woolen dresses, play suits, jackets, etc. 441,526, Nov. 30; Serial No. 517,323. Class 39.

Pioneer Manufacturing Company, Inc.: *See*—
Pioneer Manufacturing Company of Wilkes-Barre, Pa.

Piper Aircraft Corporation, Lock Haven, Pa. Airplanes and structural parts thereof. 430,222, June 10, 1947. Republished Nov. 30. Class 19.

Pittsburgh Shovel Company, The, Pittsburgh, Pa., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 264,435, Nov. 26, 1929. Republished Nov. 30. Class 23.

Plastic Distributors: *See*—
Brown, Nathan J.

Plastic Sheet Fabrication, Inc., New York, N. Y. Heat insulating containers of plastic sheeting and insulating material. 504,366, Nov. 30; Serial No. 536,546, published Sept. 7, 1948. Class 2.

Polis & Hagan, Edinburg, Tex. Fresh citrus fruits and fresh vegetables. 418,035, Nov. 27, 1945. Republished Nov. 30. Class 46.

Polk Miller Products Corporation, Richmond, Va. Mange medicine. 504,266, Nov. 30; Serial No. 515,785, published Aug. 31, 1948. Class 6.

Polk Miller Products Corporation, Richmond, Va. Disinfectant. 504,267, Nov. 30; Serial No. 515,786, published Aug. 31, 1948. Class 6.

Pollak, Henry Inc., New York, N. Y. Hat braids. 426,626, Jan. 7, 1947. Republished Nov. 30. Class 40.

Pondel Fabrics, Inc., Pawtucket, R. I. Fabrics in the piece made of rayon. 400,634, Mar. 23, 1943. Canceled

Post Watch Co., Inc., New York, N. Y. Watches and parts thereof. 504,504, Nov. 30; Serial No. 520,898. Class 27.
Oct. 15, 1948. O. G. Nov. 30. Class 42.

Powdrell & Alexander, Inc., Boston, Mass. Piece goods and curtains. 252,769, renewed Feb. 12, 1949. O. G. Nov. 30. Class 42.

Presstite Engineering Company, The, St. Louis, Mo. Sealing material for mechanical joints and the like. 356,814, May 10, 1938. Republished Nov. 30. Class 12.

Progressive Musical Instrument Corporation, New York, N. Y. Strings for violins and similar musical instruments. 441,525, Nov. 30; Serial No. 514,290. Class 36.

Protexall, Inc.: *See*
Globe Shirt & Overall Company.

Publishers Digest: *See*—
Spalding Publications, Inc., The.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor fuels. 243,164, June 12, 1928. Corrected. O. G. Nov. 30. Class 15.

Purox Company, Denver, Colo., to Union Carbide and Carbon Corporation, New York, N. Y. Welding and cutting gas torches. 248,842, renewed Oct. 30, 1948. O. G. Nov. 30. Class 34.

Purox Company, Denver, Colo., to Union Carbide and Carbon Corporation, New York, N. Y. Gas pressure regulators. 249,110, renewed Nov. 6, 1948. O. G. Nov. 30. Class 13.

Purox Company, Denver, Colo., to Union Carbide and Carbon Corporation, New York, N. Y. Welding rods. 249,111, renewed Nov. 6, 1948. O. G. Nov. 30. Class 14.

Purox Company, Denver, Colo., to Union Carbide and Carbon Corporation, New York, N. Y. Rubber hose. 249,112, renewed Nov. 6, 1948. O. G. Nov. 30. Class 35.

Quaker Maid Mills, by Quaker Maid Mills, Inc., Philadelphia, Pa. Knitted rugs. 424,733, Oct. 22, 1946. Republished Nov. 30. Class 42.

Quaker Maid Mills, Inc.: *See*—
Quaker Maid Mills.

Quel Products Inc.: *See*—
McCoy's Laboratories, Inc.

Radio Corporation of America, New York, N. Y. Calculators of the slide rule type, photographic lens, etc. 441,520, Nov. 30; Serial No. 525,951, published Aug. 31, 1948. Class 26.

Rand Rubber Company, Inc., Brooklyn, N. Y. Dress shields. 504,445, Nov. 30; Serial No. 546,792, published Aug. 10, 1948. Class 40.

Randolph Marketing Company, Porterville, Calif. Fresh citrus fruits, fresh vegetables, fresh deciduous fruits, etc. 299,833, Dec. 27, 1932. Republished Nov. 30. Class 46.

Randolph Marketing Company, Porterville, Calif. Fresh vegetables and melons. 340,938, Nov. 24, 1936. Republished Nov. 30. Class 46.

Rau Fastener Company, Providence, R. I. Snap fasteners. 504,297, Nov. 30; Serial No. 528,644, published Aug. 10, 1948. Class 40.

Raybestos-Manhattan, Inc., Passaic, N. J. Belting and hose, etc. 504,349, Nov. 30; Serial No. 533,390, published Aug. 24, 1948. Class 35.

Raybestos-Manhattan, Inc., Passaic, N. J. Machinery belting and hose. 504,446, Nov. 30; Serial No. 546,909, published Aug. 17, 1948. Class 35.

Record Guild of America, Inc., The, Freeport, N. Y. Mechanically grooved phonograph records. 504,493–4, Nov. 30; Serial Nos. 509,034–5. Class 36.

Red Robin Stores, Inc.: *See*—
Kinerk, E.

Reed, C. A., Company, Williamsport, Pa. Crepe paper. 504,304, Nov. 30; Serial No. 529,299, published Aug. 10, 1948. Class 37.

Reed, C. A., Company, Williamsport, Pa. Crepe paper. 504,305, Nov. 30; Serial No. 529,301, published Aug. 10, 1948. Class 37.

Reed, C. A., Company, Williamsport, Pa. Crepe paper. 504,306, Nov. 30; Serial No. 529,305, published Aug. 10, 1948. Class 37.

Reichhold Chemicals, Inc.: *See*—
Beck, Koller & Company, Inc.

Reichhold Chemicals, Inc., Detroit, Mich. Synthetic plastic resins and solutions. 409,382, Oct. 3, 1944. Republished Nov. 30. Class 5.

Reichhold Chemicals, Inc., Detroit, Mich. Synthetic plastic resins. 410,091, Nov. 7, 1944. Republished Nov. 30. Class 1.

Reichhold Chemicals, Inc., Detroit, Mich. Oils, processed oils, synthetic oils, etc. 410,574, Dec. 5, 1944. Republished Nov. 30. Class 16.

Reichhold Chemicals, Inc., Detroit, Mich. Synthetic plastic resins and solutions. 411,720, Jan. 30, 1945. Republished Nov. 30. Class 5.

Reichhold Chemicals, Inc., Detroit, Mich. Processed oils, synthetic oils, resins, etc. 413,965, May 22, 1945. Republished Nov. 30. Class 11.

Reichhold Chemicals, Inc., Detroit, Mich. Processed oils, synthetic oils, resins, etc. 414,133, May 29, 1945. Republished Nov. 30. Classes 1 and 6.

Reichhold Chemicals, Inc., Detroit, Mich. Synthetic resins and solutions. 415,920, Aug. 21, 1945. Republished Nov. 30. Class 5.

Remington Arms Company, Inc., Bridgeport, Conn. Firearms. 441,503, Nov. 30; Serial No. 520,055, published Aug. 17, 1948. Class 9.

Repro-Tone Co.: *See*—
Repro-Tone Company.

Repro-Tone Company, by Repro-Tone Co., Kansas City, Mo. Reproductions of photographic prints and illustrations in half-tone. 406,119, Mar. 14, 1944. Republished Nov. 30. Class 38.

Republic Steel Corporation, Cleveland, Ohio. Black steel, galvanized steel, rust-resisting anticorrosive iron, etc. 441,471, Nov. 30; Serial No. 509,534, published July 27, 1948. Class 14.

Research Products Corporation, Madison, Wis. Air filters. 504,319, Nov. 30; Serial No. 530,764, published Sept. 7, 1948. Class 31.

Reynolds & Reynolds Company, The, Dayton, Ohio. Manifold forms. 250,810, renewed Dec. 18, 1948. O. G. Nov. 30. Class 37.

Reynolds & Reynolds Company, The, Dayton, Ohio. Blank slips, ledger leaves, manifold books, etc. 252,070, renewed Jan. 22, 1949. O. G. Nov. 30. Class 37.

Rhoads, J. E., & Sons, Philadelphia, Pa. Leather belting. 252,430–33, renewed Feb. 5, 1949. O. G. Nov. 30. Class 35.

Rhythm Lingeries, Inc.: *See*—
Patricia Petticoat Co., Inc., The.

Rice-Stix Dry Goods Company, St. Louis, Mo. Cotton piece goods. 504,521, Nov. 30; Serial No. 534,194. Class 42.

Ries, Jacob, Bottling Works, Inc., Shakopee, Minn. Still and effervescent table-waters, mineral waters, etc. 136,602, Nov. 2, 1920. Republished Nov. 30. Class 45.

Ries, Jacob, Bottling Works, Inc., Shakopee, Minn. Non-alcoholic, maltless, lemon juice drink and syrup. 326,543, July 23, 1935. Republished Nov. 30. Class 45.

Ritzville Flouring Mills, Ritzville, by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 119,377, Nov. 13, 1917. Republished Nov. 30. Class 46.

Robertson, Emory H., doing business as Robertson Fireworks Company, Fort Worth, Tex. Fireworks. 504,455, Nov. 30; Serial No. 548,409, published Aug. 17, 1948. Class 9.

Robertson Fireworks Company: *See*—
Robertson, Emory H.

Robinson Syrup Company, Cairo, Ga. Table syrup. 233,423, Sept. 27, 1927. Republished Nov. 30. Class 46.

Rockers, Inc., Sheboygan, Wis. Platform rockers. 504,367, Nov. 30; Serial No. 536,548, published Aug. 24, 1948. Class 32.

Roerig, J. B., and Company, Chicago, Ill. Medicinal preparation containing calcium, iron, and vitamins. 504,326, Nov. 30; Serial No. 531,147, published Aug. 17, 1948. Class 6.

Roerig, J. B., and Company, Chicago, Ill. Medicinal preparation containing ferrous sulphate, vitamins, etc. 504,327, Nov. 30; Serial No. 531,148, published Aug. 17, 1948. Class 6.

Roerig, J. B., and Company, Chicago, Ill. Medicinal preparation, a lactalbumin hydrolysate. 504,328, Nov. 30; Serial No. 531,149, published Aug. 17, 1948. Class 6.

Roessler Corporation, Philadelphia, Pa. Fish lures and artificial bait. 504,339, Nov. 30; Serial No. 532,635, published Aug. 17, 1948. Class 22.

Rom, M., & Sons Company, Inc., Pittsburgh, Pa. Chili sauce, catsup, finger peppers, etc. 369,862, Aug. 8, 1939. Republished Nov. 30. Class 46.

Roman Meal Company, Tacoma, Wash. Cereal breakfast food, bread, biscuits, etc. 251,517, Jan. 8, 1929. Republished Nov. 30. Class 46.

Rombro Bros., by Rombro Brothers Inc., Baltimore, Md. Work shirts. 334,880, May 19, 1936. Republished Nov. 30. Class 39.

Rombro Brothers Inc.: *See*—
Rombro Bros.

Rosenfeld, Harry, Inc., New York, N. Y. Handbags, pocketbooks, and purses. 504,475, Nov. 30; Serial No. 550,074, published Sept. 7, 1948. Class 3.

Roths Industries, Inc., Alma, Mich. Garden tractors. 441,482, Nov. 30; Serial No. 514,304, published Aug. 17, 1948. Class 23.

Royalayre Company, Aurora, Ill. Luggage identification tags. 504,440, Nov. 30; Serial No. 545,169, published Aug. 17, 1948. Class 3.

St. Regis Paper Company, New York, N. Y. Wire ties. 504,336, Nov. 30; Serial No. 532,172, published Aug. 31, 1948. Class 7.

Salomon, William, doing business as Dainty Apron Mfg. Co., New York, N. Y. Ladies' aprons, pinafores, brunch coats, and smocks. 504,341, Nov. 30; Serial No. 532,759, published Aug. 24, 1948. Class 39.

Sanford Ink Company: *See*—
Sanford Manufacturing Co.

Sanford Manufacturing Co., Chicago, to Sanford Ink Company, Bellwood, Ill. Paste. 70,802, re-renewed Oct. 6, 1948. O. G. Nov. 30. Class 5.

Sargeant Acnoid Pharmaceutical Co. Inc., East Orange, N. J., to Stanley M. Sargeant, Highland Mills, N. Y. Ointment. 254,076, renewed Mar. 12, 1949. O. G. Nov. 30. Class 6.

Sargeant, Stanley M.: *See*—
Sargeant Acnoid Pharmaceutical Co. Inc.

Saxon Toy Corporation, Brooklyn, N. Y. Toy construction kits. 441,487, Nov. 30; Serial No. 516,789, published Aug. 17, 1948. Class 22.

Schering Corporation: *See*—
Schering-Kahlbaum A. G.

Schering-Kahlbaum A. G., Berlin, Germany, to Sherka Chemical Company, Inc., Bloomfield, N. J. Extirpating preparations, disinfectants, chemical fire-extinguishing preparation, etc. 252,487, renewed Feb. 12, 1949. O. G. Nov. 30. Class 6.

Schering-Kahlbaum A. G., Berlin, Germany, to Schering Corporation, Bloomfield, N. J. Medicinal preparations. 252,529, renewed Feb. 12, 1949. O. G. Nov. 30. Class 6.

Schlanger, Hyman, doing business as Miami Knitting Mills, New York, N. Y. Sweaters for men, women, and children. 504,492, Nov. 30; Serial No. 508,494. Class 39.

Schoellkopf Company, The, Dallas, Tex. Gun cases. 504,386, Nov. 30; Serial No. 538,821, published Aug. 17, 1948. Class 9.

Schwab, Armand, & Co., Inc., New York, N. Y. Millinery braids. 504,396, Nov. 30; Serial No. 540,321, published Aug. 17, 1948. Class 40.

Schwarzwaelder Company, The, Philadelphia, Pa. Cloths and worsteds. 72,292, re-renewed Jan. 12, 1949. O. G. Nov. 30. Class 42.

Scientific Anglers, assignor to Scientific Anglers, Inc., Midland, Mich. Composition comprising a silicone resin and a comminuted adherent. 441,445, Nov. 30; Serial No. 494,712, published Aug. 17, 1948. Class 22.

Scientific Anglers, Inc., assignee: *See*—
Scientific Anglers.

Screw Conveyor Corporation, Hammond, Ind. Elevating and conveying apparatus. 373,056, Nov. 21, 1939. Republished Nov. 30. Class 23.

Seattle Grain Co., by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 117,065, June 12, 1917. Republished Nov. 30. Class 46.

Seattle Grain Co., by Centennial Flouring Mills Company, Seattle, Wash. Self-rising flour. 117,613, July 17, 1917. Republished Nov. 30. Class 46.

Seattle Grain Company, by Centennial Flouring Mills Company, Seattle, Wash. Self-rising flour. 126,898, Oct. 7, 1919. Republished Nov. 30. Class 46.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. 441,467, Nov. 30; Serial No. 508,495, published Aug. 10, 1948. Class 6.

Shattuck, Frank G., Company: *See*—
Shattuck, Jane M.

Shattuck, Frank G., Company, Boston, Mass., and New York, N. Y. Ice-cream containers of paper. 208,209, Jan. 19, 1926. Republished Nov. 30. Class 2.

Shattuck, Frank G., Company, New York, N. Y. Candy. 226,967, Apr. 26, 1927. Republished Nov. 30. Class 46.

Shattuck, Frank G., Company, New York, N. Y. Cakes. 240,053, Mar. 20, 1928. Republished Nov. 30. Class 46.

Shattuck, Jane M., assignor to Frank G. Shattuck Company, New York, N. Y. Cakes, pies, pastry, etc. 409,246, Sept. 26, 1944. Republished Nov. 30. Class 46.

Shaw & Lucas, Inc., Glendale, Calif. Sewing thimbles. 504,407, Nov. 30; Serial No. 541,206, published Aug. 17, 1948. Class 40.

Sherka Chemical Company, Inc.: *See*—
Schering-Kahlbaum A. G.

Shlansky, Philip & Bro. Inc.: *See*—
Shlansky, Philip, & Bro., Inc.

Shlansky, Philip, & Bro., Inc., by Philip Shlansky & Bro. Inc., New York, N. Y. Women's and misses' pile fabric and cloth coats. 390,577, Sept. 30, 1941. Republished Nov. 30. Class 39.

Shortwave Plastic Forming Company: *See*—
Cunningham, Jack B.

Siebring Manufacturing Co., George, Iowa. Manure loaders. 504,489, Nov. 30; Serial No. 499,438. Class 23.

Simon, William, Brewery, The, Buffalo, N. Y. Ale. 314,422, June 26, 1934. Republished Nov. 30. Class 48.

Simon, William, Brewery, The, Buffalo, N. Y. Beer and ale. 315,354, July 24, 1934. Republished Nov. 30. Class 48.

Slumber Products Corporation, Memphis, Tenn. Beds, cots, chairs, etc. 504,338, Nov. 30; Serial No. 532,347, published Aug. 31, 1948. Class 32.

Smeja, Eugene A., doing business as The Magic Snell Tackle Company, Rochester, N. Y. Fish hooks. 441,466, Nov. 30; Serial No. 508,074, published Aug. 17, 1948. Class 22.

Smith, C. C., doing business as C. C. Smith Fruit Company, Yakima, by F. H. Cubberley, Tieton, Wash. Fresh deciduous fruits. 308,664, Dec. 12, 1933. Republished Nov. 30. Class 46.

Smith, C. C., Fruit Company: *See*—
Smith, C. C.

Smith, Kenneth, Lenexa, Kans. Golf clubs and parts thereof. 356,624, May 3, 1938. Republished Nov. 30. Class 22.

Smith, Kenneth, Lenexa, Kans. Golf clubs and parts thereof. 357,861, June 14, 1938. Republished Nov. 30. Class 22.

Smith, Kenneth, Lenexa, Kans. Golf clubs and parts thereof. 361,583, Oct. 25, 1938. Republished Nov. 30. Class 22.

Smith, Kenneth, Lenexa, Kans. Golf clubs. 378,192–3, May 28, 1940. Republished Nov. 30. Class 22.

Smith, Sam, Shelf Ltd., Clough Mills, Shelf, Halifax, England. Woolen knitting yarns. 441,500, Nov. 30; Serial No. 519,492, published Aug. 17, 1948. Class 43.

Smucker, J. M., Co., The, Orrville, Ohio. Apple butter, preserves, and jellies. 322,183, Feb. 26, 1935. Republished Nov. 30. Class 46.

Soc. A. R. L. De Vecchi, Milan, Italy. Stomach tonics and bitters. 441,501, Nov. 30; Serial No. 519,572, published Aug. 31, 1948. Class 6.

Societe Rhodiaceta, Paris, France. Yarns and threads of fibers. 182,400, renewed Apr. 8, 1944. O. G. Nov. 30. Class 43.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum oils, greases, waxes, etc. 441,479, Nov. 30; Serial No. 514,071, published Aug. 24, 1948. Class 15.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum products. 441,514, Nov. 30; Serial No. 524,828, published Aug. 24, 1948. Class 15.

Son-Chief Electrics, Incorporated, Winsted, Conn. Electrical apparatus. 441,513, Nov. 30; Serial No. 524,577, published Aug. 31, 1948. Class 21.

Sonotone Corporation, Elmsford, N. Y. Radio receiver sets. 441,454, Nov. 30; Serial No. 502,724, published July 13, 1948. Class 21.

Southern Gas & Equipment Co., Tulsa, Okla. Apparatus, comprising tanks and fittings. 441,450, Nov. 30; Serial No. 501,290, published May 18, 1948. Class 34.

Southern Packing Co., Inc., Baltimore, Md. Canned fruits and vegetables. 256,543, May 21, 1929. Republished Nov. 30. Class 46.

Southern Spring Bed Company, Atlanta, Ga. Mattresses. 504,368, Nov. 30; Serial No. 536,660, published Aug. 10, 1948. Class 32.

Spalding Publications, Inc., The, Mount Morris, to Publishers Digest, Chicago, Ill. Monthly magazine. 243,501, renewed June 26, 1948. O. G. Nov. 30. Class 38.

Specialties, Inc., Syosset, N. Y. Aircraft instruments and parts therefor. 441,499, Nov. 30; Serial No. 519,450, published Aug. 31, 1948. Class 26.

Speidel Corporation, Providence, R. I. Bracelets. 433,811, Oct. 28, 1947. Republished Nov. 30. Class 28.

Spencer Chemical Company, Kansas City, Mo. Solid carbon dioxide, anhydrous ammonia, nitrogen solution. 504,383, Nov. 30; Serial No. 538,191, published Aug. 24, 1948. Class 6.

Spinnerin Yarn Co., Inc., South Hackensack, N. J., and New York, N. Y. Yarn. 504,466, Nov. 30; Serial No. 549,761, published Sept. 7, 1948. Class 43.

Spinnerin Yarn Co., Inc., South Hackensack, N. J. Yarn. 504,467, Nov. 30; Serial No. 549,762, published Sept. 7, 1948. Class 43.

Spirittine Chemical Company, Wilmington, N. C. Liquid soap, pine cleanser, and sweeping compound. 504,477, Nov. 30; Serial No. 552,890, published Aug. 24, 1948. Class 4.

Sprague Roller Mills, Sprague, by Centennial Flouring Mills Company, Seattle, Wash. Wheat-flour and self-rising flour. 139,633–4, Feb. 8, 1921. Republished Nov. 30. Class 46.

Sprague Roller Mills, Sprague, by Centennial Flouring Mills Company, Seattle, Wash. Self-rising flour. 176,719, Nov. 27, 1923. Republished Nov. 30. Class 46.

Standard Electronic Research Corporation, New York, N. Y. Electrical apparatus. 504,408, Nov. 30; Serial No. 541,218, published Aug. 31, 1948. Class 26.

Standard Oil Company, The, Cleveland, Ohio. Aviation and automotive gasolines. 441,449, Nov. 30; Serial No. 498,936, published Aug. 31, 1948. Class 15.

Standish, Eula S., Providence, R. I., by Formaid Co., Boston, Mass. Brassières and bandeaux. 251,212, Jan. 1, 1929. Republished Nov. 30. Class 39.

Stant Manufacturing Company, Connersville, Ind. Vehicle radiator and gasoline filler caps. 299,973, Jan. 3, 1933. Republished Nov. 30. Class 19.

Stein Uniform Company, Baltimore, Md. Nurses' uniforms and capes. 403,687, Oct. 12, 1943. Republished Nov. 30. Class 39.

Stix, Baer and Fuller Company, St. Louis, Mo. Furniture and upholstery. 312,727, May 8, 1934. Republished Nov. 30. Class 32.

Stix, Baer and Fuller Company, St. Louis, Mo. Trunks, bill folds, brief cases, etc. 366,634, Apr. 25, 1939. Republished Nov. 30. Class 3.

Stix, Baer and Fuller Company, St. Louis, Mo. Electric floor and table lamps. 371,926, Oct. 17, 1939. Republished Nov. 30. Class 21.

Stratbury Manufacturing Co.: *See*—
Stratbury Manufacturing Company.

Stratbury Manufacturing Company, by Stratbury Manufacturing Co., Galion, Ohio. Overcoats and topcoats for men. 355,759, Mar. 29, 1938. Republished Nov. 30. Class 39.

Straubel Paper Company, Green Bay, Wis. Paper towels and toilet tissue. 504,277, Nov. 30; Serial No. 526,618, published Aug. 24, 1948. Class 37.

Straubel Paper Company, Green Bay, Wis. Paper towels, toilet tissue and paper table coverings. 504,292, Nov. 30; Serial No. 528,139, published Aug. 10, 1948. Class 37.

Stroh Brewery Company, The, to The Stroh Brewery Company, Detroit, Mich. Beer, stout, and malt extract. 70,922, re-renewed Oct. 13, 1948. O. G. Nov. 30. Classes 6 and 48.

Strulson Novelty Corporation, New York, N. Y. Barrettes. 504,459, Nov. 30; Serial No. 548,766, published Aug. 31, 1948. Class 40.

Stunzi Sons Silk Company, Inc., New York, N. Y. Artificial-silk crepe in the piece. 252,791, renewed Feb. 12, 1949. O. G. Nov. 30. Class 42.

Sun Oil Company, Philadelphia, Pa. Lubricating oil. 441,485, Nov. 30; Serial No. 515,281, published Aug. 17, 1948. Class 15.

Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Printing paper and wrapping paper. 441,462, Nov. 30; Serial No. 505,530, published Aug. 3. 1948. Class 37.

Swift & Fisher, Inc., North Attleboro, Mass. Ecclesiastical goods. 414,427, June 12, 1945. Republished Nov. 30. Class 28.

Swigart Paper Company, Chicago, Ill. Uncalendered sheet paper. 504,363, Nov. 30; Serial No. 536,009, published Aug. 10, 1948. Class 37.

Symington-Gould Corporation, The, Rochester and Depew, N. Y. Malleable iron and steel castings and forgings. 504,302, Nov. 30; Serial No. 528,896, published Aug. 10, 1948. Class 14.

Tacoma Grain Company, Tacoma, by Centennial Flouring Mills Company, Seattle, Wash. Wheat-flour. 73,848, May 25, 1909. Republished Nov. 30. Class 46.

Tacoma Grain Company, Tacoma, by Centennial Flouring Mills Company, Seattle, Wash. Wheat-flour. 110,518, May 30, 1916. Republished Nov. 30. Class 46.

Tacoma Grain Company, Tacoma, by Centennial Flouring Mills Company, Seattle, Wash. Wheat-flour. 138,719, Jan. 4, 1921. Republished Nov. 30. Class 46.

Tacoma Grain Co., Tacoma, by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 191,938, Nov. 25, 1924. Republished Nov. 30. Class 46.

Tanners Products Company, by American Hair & Felt Company, Chicago, Ill. Hair. 161,316, Nov. 7, 1922. Republished Nov. 30. Class 1.

Taylor & Caldwell, to Taylor & Caldwell, Inc., Walkerton, Va. Canned vegetables. 252,789, renewed Feb. 12, 1949. O. G. Nov. 30. Class 46.

Taylor & Caldwell, Inc.: *See*—
Taylor & Caldwell.

Tennessee Furniture Corporation, by Cavalier Corporation, Chattanooga, Tenn. Bedroom, dining-room, living-room, and kitchen furniture. 186,489, July 22, 1924. Republished Nov. 30. Class 32.

Terre Haute Brewing Company, Inc., Terre Haute, Ind. Beer. 364,195, Jan. 24, 1939. Republished Nov. 30. Class 48.

Terre Haute Brewing Company, Inc., Terre Haute, Ind. Beer. 375,124, Feb. 6, 1940. Republished Nov. 30. Class 48.

Terri, Lee, Co., Lincoln, Nebr. Dolls. 504,300, Nov. 30; Serial No. 528,824, published Aug. 17, 1948. Class 22.

Texas Farm Products Company, Nacogdoches, Tex. Stock feed, chicken feed and dairy feed. 295,169, July 21, 1932. Republished Nov. 30. Class 46.

Textile Mills Corporation, by Adams-Millis Corporation, High Point, N. C. Dress hosiery. 193,841, Jan. 6, 1925. Republished Nov. 30. Class 39.

Textile Mills Corporation, The, by Adams-Millis Corporation, High Point, N. C. Hosiery. 291,647, Feb. 23, 1932. Republished Nov. 30. Class 39.

Textile Mills Corporation, The, by Adams-Millis Corporation, High Point, N. C. Hosiery. 304,923, July 25, 1933. Republished Nov. 30. Class 39.

Thermoid Company, Trenton, N. J. Transmission belts. 504,416, Nov. 30; Serial No. 541,979, published Aug. 31, 1948. Class 35.

Tierney, Laurence E., Fuel Company, by Eastern Coal Sales Company, Bluefield, W. Va. Coal. 179,232, Feb. 5, 1924. Republished Nov. 30. Class 1.

Tilden Produce Company, St. Paul, Minn. Butter, eggs, and cheese. 247,357, renewed Sept. 25, 1948. O. G. Nov. 30. Class 46.

Torsion Balance Company, The: *See*—
Christian, Becker, Inc.

Torsion Balance Company, The, New York, N. Y. Balances and scales. 69,102, May 19, 1908. Republished Nov. 30. Class 26.

Torsion Balance Company, The, New York, N. Y. Balances and scales. 112,448, Sept. 5, 1916. Republished Nov. 30. Class 26.

Tradesmens National Bank and Trust Company, Philadelphia, Pa. Services of banking and acting as a fiduciary. 504,484, Nov. 30; Serial No. 530,038, published Aug. 17, 1948. Class 55.

Transco Products, Inc., Los Angeles, Calif. Suction tube and strainer unit. 504,280. Nov. 30; Serial No. 526,997, published Aug. 24, 1948. Class 23.

Transolene Co.: *See*—
Brown, Nathan J.

Truecraft Mfg. Co.: *See*—
Logan, Walter A.

True's Oil Company, Spokane, Wash. Gasoline, kerosene, benzine, etc. 277,126, Nov. 4, 1930. Republished Nov. 30. Class 15.

Trystman, Lillian, doing business as Nadelle Bags, New York, N. Y. Ladies' handbags. 504,527, Nov. 30; Serial No. 537,402. Class 3.

Tubbs Cordage Company, San Francisco, Calif. Rope and twine. 504,283, Nov. 30; Serial No. 527,139, published Aug. 10, 1948. Class 7.

Tucciarone, Biagio, & Co., Inc., New York, N. Y. Hair wigs, toupees, and human hair braids and curls. 504,464, Nov. 30; Serial No. 549,497, published Sept. 7, 1948. Class 40.

Tucker's, Mrs., Foods, Inc.: *See*—
Interstate Cotton Oil Refining Co.
Interstate Cotton Oil Refining Company.

U. M. A. Inc., New York, N. Y. Diagnostic medical instruments. 441,523, Nov. 30; Serial No. 507,353. Class 44.

Union Carbide and Carbon Corporation: *See*—
Purox Company.

United-Carr Fastener Corporation, Cambridge, Mass. Snap buckles. 504,465, Nov. 30; Serial No. 549,596, published Aug. 31, 1948. Class 40.

United Drill & Tool Corporation: *See*—
Whitman & Barnes, Inc.
Whitman Barnes-Detroit Corporation.

United Hosiery Company: *See*—
Carlton Trading Company.

United Stove Company, Ypsilanti, Mich. Oil stoves, ranges, ovens and heaters. 290,080, Dec. 22, 1931. Republished Nov. 30. Class 34.

U. S. Highway Supply Co.: *See*—
Weiner, Jack H.

United States News Publishing Corporation, doing business as The Bureau of National Affairs, Washington, D. C., assignor to The Bureau of National Affairs, Inc., by The Bureau of National Affairs, Inc., Washington, D. C. Periodical publications. 433,751, Oct. 28, 1947. Republished Nov. 30. Class 38.

United States Playing-Card Company, The: *See*—
Blask, Maxwell A.

Urbana Laboratories, The, Urbana, Ill. Solution for testing soils for acidity. 286,228, Aug. 25, 1931. Republished Nov. 30. Class 6.

Urbana Laboratories, The, Urbana, Ill. Chemical reagents. 301,663, Mar. 7, 1933. Republished Nov. 30. Class 6.

Val, Giovanni, Ontario, Calif. Brandies. 312,991, May 15, 1934. Republished Nov. 30. Class 49.

Val, Giovanni, Ontario, Calif. Wines. 313,628, June 5, 1934. Republished Nov. 30. Class 47.

Val, Giovanni, Los Angeles, and Ontario, Calif. Wines. 349,369, Aug. 24, 1937. Republished Nov. 30. Class 47.

Val, Giovanni, Ontario, Calif. Wines. 349,370, Aug. 24, 1937. Republished Nov. 30. Class 47.

Vail, Ed. S., Butterine Co., Chicago, Ill., by The Capital City Products Company, Columbus, Ohio. Oleomargarine. 182,106, Apr. 1, 1924. Republished Nov. 30. Class 46.

Valley City Milling Company, Portland, Mich. Wheat flour, self-rising flour, buckwheat-flour compound, etc. 282,225, Apr. 14, 1931. Republished Nov. 30. Class 46.

Van Ameringen, Arnold L., by van Ameringen-Haebler, Inc., New York, N. Y. Essences of perfumes, essences for perfumery materials, aromatic materials, synthetic perfume materials, etc. 245,446, Aug. 14, 1928. Republished Nov. 30. Class 6.

Van Ameringen-Haebler, Inc.: *See*—
Van Ameringen, Arnold L.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Garden hose and rakes, manure, hay and coal forks, etc. 81,560, Apr. 18, 1911. Republished Nov. 30. Classes 23 and 35.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Hinges, butts, sash lifts, etc. 81,836, May 9, 1911. Republished Nov. 30. Class 13.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Liquid spray used as an insecticide and germicide. 219,670, Oct. 19, 1926. Republished Nov. 30. Class 6.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Storage batteries. 255,436, Apr. 23, 1929. Republished Nov. 30. Class 21.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Fishing tackle. 317,772, Oct. 2, 1934. Republished Nov. 30. Class 22.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Garden hose, automobile tires and tubes, bicycle tires and tubes, etc. 318,514, Oct. 30, 1934. Republished Nov. 30. Class 35.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Friction tape. 318,609, Oct. 30, 1934. Republished Nov. 30. Class 5.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Plumbs, levels, squares, etc. 318,839, Nov. 6, 1934. Republished Nov. 30. Class 26.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Electric smoothing and pressing irons. 326,684, July 30, 1935. Republished Nov. 30. Class 21.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Hinges, sash lifts, door hangers, etc. 414,056, May 22, 1945. Republished Nov. 30. Class 13.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Bicycles. 414,216, May 29, 1945. Republished Nov. 30. Class 19.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Scythes, hoes and rakes. 414,781, June 26, 1945. Republished Nov. 30. Class 23.

Vanity Fair Mills, Inc.: *See*—
Vanity Fair Silk Mills.

Vanity Fair Silk Mills, by Vanity Fair Mills, Inc., Reading, Pa. Hosiery. 130,430, Apr. 20, 1920. Republished Nov. 30. Class 39.

Vanity Fair Silk Mills, by Vanity Fair Mills, Inc., Reading, Pa. Bandeaux, bloomers, brassières, etc. 183,424, Apr. 29, 1924. Republished Nov. 30. Class 39.

Vanity Fair Silk Mills, by Vanity Fair Mills, Inc., Reading, Pa. Knitted and textile underwear for women. 289,350, Nov. 24, 1931. Republished Nov. 30. Class 39.

Vanity Fair Silk Mills, by Vanity Fair Mills, Inc., Reading, Pa. Bandeaux and panties. 293,042, Apr. 5, 1932. Republished Nov. 30. Class 39.

Vanity Fair Silk Mills, by Vanity Fair Mills, Inc., Reading, Pa. Hosiery. 306,697, Sept. 26, 1933. Republished Nov. 30. Class 39.

Van Patten Pharmaceutical Co., Chicago, Ill. Brominated thyroid products. 425,673, Nov. 26, 1946. Republished Nov. 30. Class 6.

Verity Mills, Inc., Buffalo, N. Y. Rations for cows, horse feed, dog feed, etc. 429,528, May 6, 1947. Republished Nov. 30. Class 46.

Vespe, Peter A., doing business as Vespe's Drum Shop, Camden, N. J. Drums. 441,460, Nov. 30; Serial No. 503,685, published July 27, 1948. Class 36.

Vespe's Drum Shop: *See*—
Vespe, Peter A.

Viking Refrigerators, Inc., Kansas City, Mo. Refrigerated display cases and refrigerators, etc. 504,441, Nov. 30; Serial No. 545,200, published Sept. 7, 1948. Class 31.

Vokes Limited, Guildford, England. Silencers and silencing apparatus. 441,476, Nov. 30; Serial No. 512,878, published Aug. 24, 1948. Class 23.

Vulcanized Rubber and Plastics Company, New York, N. Y. Rubber combs and plastic combs. 504,398, Nov. 30; Serial No. 540,499, published Aug. 10, 1948. Class 40.

Vulcanized Rubber and Plastics Company, New York, N. Y. Combs. 504,399, Nov. 30; Serial No. 540,501, published Aug. 10, 1948. Class 40.

Vulcanized Rubber and Plastics Company, New York, N. Y. Rubber combs and plastic combs. 504,404, Nov. 30; Serial No. 541,053, published Aug. 10, 1948. Class 40.

Walgreen Co., Chicago, Ill. Fluid for cigarette lighters. 248,312, renewed Oct. 16, 1948. O. G. Nov. 30. Class 6.

Walgreen Co., Chicago, Ill. Milk of magnesia, magnesia tooth paste, and aspirin tablets. 504,323, Nov. 30; Serial No. 531,065, published Aug. 31, 1948. Class 6.

Walgreen Co., Chicago, Ill. Rubbing alcohol. 504,324, Nov. 30; Serial No. 531,066, published Aug. 31, 1948. Class 6.

Ward Baking Company, New York, N. Y. Cake. 249,813, renewed Nov. 20, 1948. O. G. Nov. 30. Class 46.

Ward, Samuel, Manufacturing Co., Boston, Mass. Record books and diaries. 296,543, Aug. 9, 1932. Republished Nov. 30. Class 37.

Warren Featherbone Co., The, Three Oaks, Mich. Tape measures. 504,397, Nov. 30; Serial No. 540,355, published Aug. 31, 1948. Class 26.

Warren, S. D., Company, Boston, Mass. Printing paper. 504,425, Nov. 30; Serial No. 542,733, published Aug. 10, 1948. Class 37.

Warren Trading Corporation, New York, N. Y. Watches. 504,428, Nov. 30; Serial No. 542,984, published Sept. 7, 1948. Class 27.

Washington Grain and Milling Co., Reardan, by Centennial Flouring Mills Company, Seattle, Wash. Self-rising flour. 114,041, Nov. 14, 1916. Republished Nov. 30. Class 46.

Washington Grain and Milling Co., Reardan, by Centennial Flouring Mills Company, Seattle, Wash. Wheat-flour. 124,427, Feb. 11, 1919. Republished Nov. 30. Class 46.

Webster Electric Company, Racine, Wis. Audio-frequency amplifiers. 433,517, Oct. 14, 1947. Republished Nov. 30. Class 21.

Wee Moderns, Inc., New York, N. Y. Children's and infants' playtogs. 504,369, Nov. 30; Serial No. 536,852, published Aug. 10, 1948. Class 39.

Weiner, Jack H., doing business as U. S. Highway Supply Co., Chicago, Ill. Penetrating liquid oil concentrate and lubricant to be added to motor fuel. 441,509, Nov. 30; Serial No. 521,772, published Aug. 17, 1948. Class 15.

Weissman & Wolfson, Inc., New York, N. Y. Women's and little women's dresses. 504,508, Nov. 30; Serial No. 523,722. Class 39.

Welding Service, Inc., by Welding Service Sales, Inc., San Francisco, Calif. Electrical welding machines and accessories. 324,268, May 14, 1935. Republished Nov. 30. Class 21.

Welding Service Sales, Inc.: *See*—
Welding Service, Inc.

Wenatchee Milling Co., Wenatchee, by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 117,622, July 17, 1917. Republished Nov. 30. Class 46.

Wesix Electric Heater Co.: *See*—
Hicks, W. Wesley.

Wesix Heater Factory: *See*—
Hicks, W. Wesley.

Wesson Company, Ferndale, Mich. Spotfacers, counterbores, countersinks, etc. 408,006, July 11, 1944. Republished Nov. 30. Class 23.

Wester Bros.: *See*—
Wester, Herbert.

Wester, Herbert, doing business as Wester Bros., New York, N. Y. Manicuring files and tweezers, corn and cuticle knives and nippers, corn chisels and nail nippers. 504,431. Nov. 30; Serial No. 543,241, published Aug. 24, 1948. Class 44.

Western Tablet & Stationery Corporation, Dayton, Ohio. Account, data and order books. 441,521, Nov. 30; Serial No. 526,146. published Aug. 31, 1948. Class 37.

Wheeling Steel Corporation, Wheeling, W. Va. Sheet and strip metal. 504,378, Nov. 30; Serial No. 537,535, published July 27, 1948. Class 14.

Whisko Company, Inc., The, by The Barbasol Company, Indianapolis, Ind. Shaving cream. 278,186, Dec. 9, 1930. Republished Nov. 30. Class 4.

White, Morris Fashions, Inc., New York, N. Y. Ladies' and misses' handbags. 504,526, Nov. 30; Serial No. 548,984. Class 3.

Whitehead Bros. Rubber Co., The, Trenton, N. J. Hose of rubber and cotton canvas duck. 145,864, Aug. 16, 1921. Republished Nov. 30. Class 35.

Whitehead Bros. Rubber Co., The, Trenton, N. J. Conveyor belts. 383,067, Nov. 19, 1940. Republished Nov. 30. Class 35.

Whitehead Bros. Rubber Co., The, Treaton, N. J. Gasoline hose, oil hose, rotary drilling hose, etc. 389,359, Aug. 5, 1941. Republished Nov. 30. Class 35.

Whiting-Adams Company, Inc.: *See*—
Whiting, John L., & Son Co.
Whiting, John L.-J. J. Adams Company.

Whiting, John L.-J. J. Adams Company, by Whiting-Adams Company, Inc., Boston, Mass. Brushes 213,648, June 1, 1926. Republished Nov. 30. Class 29.

Whiting, John L.-J. J. Adams Company, by Whiting-Adams Company, Inc., Boston, Mass. Brushes. 213,924, June 8, 1926. Republished Nov. 30. Class 29.

Whiting, John L., & Son Co., by Whiting-Adams Company, Inc., Boston, Mass. Brushes. 48,820, Jan. 16, 1906. Republished Nov. 30. Class 29.

Whiting, John L., & Son Co., by Whiting-Adams Company, Inc., Boston, Mass. Brushes. 52,830–31, May 22, 1906. Republished Nov. 30. Class 29.

Whiting, John L., & Son Co., by Whiting-Adams Company, Inc., Boston, Mass. Brushes. 52,833, May 22, 1906. Republished Nov. 30. Class 29.

Whiting, John L., & Son Co., by Whiting-Adams Company, Inc., Boston, Mass. Brushes. 52,835, May 22, 1906. Republished Nov. 30. Class 29.

Whiting, John L., & Son Co., by Whiting-Adams Company, Inc., Boston, Mass. Brushes. 52,851, May 22, 1906. Republished Nov. 30. Class 29.

Whiting, John L., & Son Co., by Whiting-Adams Company, Inc., Boston, Mass. Brushes. 52,868, May 22, 1906. Republished Nov. 30. Class 29.

Whiting, John L., & Son Co., by Whiting-Adams Company, Inc., Boston, Mass. Brushes. 53,145, May 29, 1906. Republished Nov. 30. Class 29.

Whitman Barnes-Detroit Corporation, Detroit, Mich., by United Drill & Tool Corporation, Chicago, Ill. Twist drills, reamers, cutters, etc. 231,181, Aug. 16, 1927. Republished Nov. 30. Class 23.

Whitman & Barnes, Inc., Detroit, Mich., by United Drill & Tool Corporation, Chicago, Ill. Twist drills. 272,929, July 15, 1930. Republished Nov. 30. Class 23

Whitman & Barnes, Inc., by United Drill & Tool Corporation, Detroit, Mich. Punches, punch retainers, and twist drills. 275,908, Oct. 7, 1930. Republished Nov. 30. Class 23.

Whitman & Barnes, Inc., Detroit, Mich., by United Drill & Tool Corporation, Chicago, Ill. Drills. 278,039, Dec. 2, 1930. Republished Nov. 30. Class 23.

Whitman & Barnes, Inc., Detroit, Mich., by United Drill & Tool Corporation, Chicago, Ill. Twist drills. 327,884, Sept. 10, 1935. Republished Nov. 30. Class 23.

Wide-A-Wake Luggage Company, Lawton, Okla. Luggage. 504,374, Nov. 30; Serial No. 537,117, published Aug. 17, 1948. Class 3.

Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heating units and electric heaters. 441,517–18, Nov. 30; Serial No. 525,734–5, published Aug. 24, 1948. Class 21.

Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heating units and electric heaters. 441,519, Nov. 30; Serial No. 525,737, published Aug. 24, 1948. Class 21.

Williams Bros. & Co.: *See*—
Williams, D. S.

Williams Bros. & Company: *See*—
Williams, D. S.

Williams Brothers & Company: *See*—
Williams, D. S.

Williams, D. S., doing business as Williams Brothers & Company, by Williams Bros. & Co., Wilkes-Barre, Pa. Canned vegetables, canned milk, catchup, etc. 172,640, Sept. 11, 1923. Republished Nov. 30. Class 46.

Williams, D. S., doing business as Williams Bros. & Company, by Williams Bros. & Co., Wilkes-Barre, Pa. Canned vegetables and fruits, canned evaporated milk, catchup, etc. 202,871, Sept. 8, 1925. Republished Nov. 30. Class 46.

Williams, D. S., doing business as Williams Bros. & Co., by Williams Bros. & Co., Wilkes-Barre, Pa. Coffee, sliced beef, mayonnaise, etc. 243,233, June 12, 1928. Republished Nov. 30. Class 46.

Willys-Overland Motors, Inc.: *See*—
Overland Automobile Company.

Wilson, Ralph W.: *See*—
Wilson, Ralph W., Company, Inc.

Wilson, Ralph W., Company, Inc., by R. W. Wilson, New York, N. Y. Non-noble metal containers. 320,512, Jan. 1, 1935. Republished Nov. 30. Class 2.

Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Plant-fertilizing materials. 70,947, re-renewed Oct. 20, 1948. O. G. Nov. 30. Class 10.

Winne, Frank W., & Son, Inc., Philadelphia, Pa. Clothes-lines, and seine twine. 504,409, Nov. 30; Serial No. 541,244, published Aug. 17, 1948. Class 7.

Wire Rope Manufacturing & Equipment Company, Seattle, Wash. Wire rope. 504,463, Nov. 30; Serial No. 549,314, published Sept. 7, 1948. Class 7.

Wood, John, Manufacturing Company, Inc.: *See*—
Bennett Pumps Corporation, The.
Wortendyke Manufacturing Co., Richmond, Va. Toilet paper. 504,317, Nov. 30; Serial No. 530,611, published Aug. 24, 1948. Class 37.
Wrenn Paper Company, The, Middletown, Ohio. Blotting-paper. 70,710, re-renewed Sept. 29, 1948. O. G. Nov. 30. Class 37.
Wright-Batchelder Corporation, Boston, Mass. Shoe welts. 419,105, Feb. 5, 1946. Republished Nov. 30. Class 39.
Wright, J. A., & Co., Keene, N. H. Silver and metal polish. 83,462, Sept. 12, 1911. Republished Nov. 30. Class 4.
Wright, J. A., & Co., Keene, N. H. Kit containing a metal polish, sponge, chamois, etc. 336,201–2, June 30, 1936. Republished Nov. 30. Class 50.
Yakima County Horticultural Union, Yakima, Wash. First quality of fresh deciduous fruits. 100,940, Oct. 27, 1914. Republished Nov. 30. Class 46.
Yawman and Erbe Mfg. Co., Rochester, N. Y. Ledger card trays of sheet metal. 247,846, renewed Oct. 9, 1948. O. G. Nov. 30. Class 32.
Yawman and Erbe Mfg. Co., Rochester, N. Y. Filing equipment. 251,381, renewed Jan. 8, 1949. O. G. Nov. 30. Class 32.
York Heating & Ventilating Corporation, Bridgeport and Philadelphia, Pa., to Carrier Corporation, Syracuse, N. Y. Radiators, heat-diffusing units. 251,205, renewed Jan. 1, 1949. O. G. Nov. 30. Class 34.
Young, W. F., Inc.: *See*—
Young, Wilbur F.
Young, Wilbur F., by W. F. Young, Inc., Springfield, Mass. Liniment. 89,786, Jan. 7, 1913. Republished Nov. 30. Class 6.
Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Bars, plates, hot-rolled strip, etc. 504,372, Nov. 30; Serial No. 536,973, published July 27, 1948. Class 14.
Z. B. Yarn Mills, Union City, to Z. B. Yarn Mills, Inc., West New York, N. J. Cotton, rayon, wool, worsted, and tinsel yarns and threads. 248,862–3, renewed Oct. 30, 1948. O. G. Nov. 30. Class 43.
Z. B. Yarn Mills, Inc.: *See*—
Z. B. Yarn Mills.
Zeuthen, Leon H., Minneapolis, Minn. Garment hangers. 429,313, Apr. 29, 1947. Republished Nov. 30. Class 50.
Ziv Steel & Wire Co., Chicago, Ill. Drill and tool steel. 504,422, Nov. 30; Serial No. 542,388, published Aug. 17 1948. Class 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bentonite. Manley Sand Company. 441,524, Nov. 30; Serial No. 510,852.
Coal. Black Star Coal Company. 221,212, Nov. 23, 1926. Republished Nov. 30.
Coal. Black Star Coal Company. 289,728, Dec. 1, 1931. Republished Nov. 30.
Coal. Jeddo-Highland Coal Company. 252,082, renewed Jan. 22, 1949. O. G. Nov. 30.
Coal. Laurence E. Tierney Fuel Company. 179,232, Feb. 5, 1924. Republished Nov. 30.
Coal, Bituminous. Eastern Coal Sales Company. 397,817, Sept. 22, 1942. Republished Nov. 30.
Coal, Bituminous. Eastern Coal Sales Company. 402,082–4, June 29, 1943. Republished Nov. 30.
Hair. Tanners Products Company. 161,316, Nov. 7, 1922. Republished Nov. 30.
Kid, Glazed. McNeely & Price. 71,715, re-renewed Dec. 15, 1948. O. G. Nov. 30.
Leather. Geo. Laub's Sons. 277,501, Nov. 11, 1930. Republished Nov. 30.
Oils, Processed, synthetic oils, resins, etc. Reichhold Chemicals, Inc. 414,133, May 29, 1945. Republished Nov. 30.
Resins, Plastic synthetic. Beck, Koller & Company, Inc. 301,085, Feb. 14, 1933. Republished Nov. 30.
Resins, Synthetic. Beck, Koller & Company, Inc. 301,493, Mar. 7, 1933. Republished Nov. 30.
Resins, Synthetic plastic. Reichhold Chemicals, Inc. 410,091, Nov. 7, 1944. Republished Nov. 30.

CLASS 2

Compacts and lipstick holders. Evans Case Co. 504,315, Nov. 30; Serial No. 530,486, published Aug. 31, 1948.
Containers in the form of cans and drums, Metal. Geuder, Paeschke & Frey Co. 214,257, June 15, 1926. Republished Nov. 30.
Containers, Non-noble metal. Ralph W. Wilson Company, Inc. 320,512, Jan. 1, 1935. Republished Nov. 30.
Containers of paper, Ice-cream. Frank G. Shattuck Company. 208,209, Jan. 19, 1926. Republished Nov. 30.
Containers of plastic sheeting and insulating material, Heat insulating. Plastic Sheet Fabrication, Inc. 504,366, Nov. 30; Serial No. 536,546, published Sept. 7, 1948.
Tanks, Steel. Chicago Bridge & Iron Company. 504,294, Nov. 30; Serial No. 528,335, published Sept. 7, 1948.

CLASS 3

Articles, Certain, made from leather, fabric, composition materials, plastic materials. Boyle Leather Goods, Co. Inc. 504,329, Nov. 30; Serial No. 531,296, published Aug. 17, 1948.
Bags, Ladies' traveling. New Process Company. 504,393, Nov. 30; Serial No. 540,087, published Aug. 10, 1948.
Bags, Men's traveling. New Process Company. 504,392, Nov. 30; Serial No. 540,086, published Aug. 10, 1948.
Bags, Traveling. B. P. Bohn. 504,394, Nov. 30; Serial No. 540,245, published Aug. 10, 1948.
Billfolds, brief cases, toilet cases, etc. C. L. King. 504,382, Nov. 30; Serial No. 538,147, published Aug. 17, 1948.
Cases, Ladies' and misses' fitted (overnight). S. Dresner & Son, Inc. 504,471, Nov. 30; Serial No. 549,912, published Aug. 31, 1948.
Cases, Wardrobe, suitcases, luggage hatboxes, etc. Hartmann Trunk Company. 253,559, renewed Feb. 26, 1949. O. G. Nov. 30.
Hand-bags. Atlantic Products Corporation. 504,356, Nov. 30; Serial No. 534,733, published Aug. 10, 1948.
Handbags. Gem Bag Company, Inc. 504,395, Nov. 30; Serial No. 540,271, published Aug. 10, 1948.
Handbags. Markay Bags, Inc. 504,352, Nov. 30; Serial No. 53,757, published Sept. 7, 1948.
Handbags, Mayer Handbag Co. 505,510, Nov. 30; Serial No. 525,636.
Handbags, Ladies'. L. Trystman. 504,527, Nov. 30; Serial No. 537,402.
Handbags, Ladies' and misses'. White, Morris Fashions, Inc. 504,526, Nov. 30; Serial No. 548,984.
Handbags, pocketbooks, and purses. Harry Rosenfeld, Inc. 504,475, Nov. 30; Serial No. 550,074, published Sept. 7, 1948.
Hand-bags, pocketbooks, hat boxes, etc., Ladies'. Arkwright, Incorporated. 412,706, Mar. 20, 1945. Republished Nov. 30.
Luggage. Crown Luggage Co., Inc. 504,414–15, Nov. 30; Serial Nos. 541,728–9, published Aug. 10, 1948.
Luggage and trunks. Wide-A-Wake Luggage Company. 504,374, Nov. 30; Serial No. 537,117, published Aug. 17, 1948.
Luggage, Hand. Northwestern Luggage Co. 504,272, Nov. 30; Serial No. 520,642, published Aug. 10, 1948.
Luggage identification tags. Royalayre Company. 504,440, Nov. 30; Serial No. 545,169, published Aug. 17, 1948.
Portfolios, Leather. Digby Products, Ltd. 441,505, Nov. 30; Serial No. 520,865, published Aug. 10, 1948.
Trunks, bill folds, brief cases, etc. Stix, Baer and Fuller Company. 366,634, Apr. 25, 1939. Republished Nov. 30.
Trunks; hand baggage. Oshkosh Trunks and Luggage. 504,474, Nov. 30; Serial No. 549,947, published Aug. 31, 1948.
Trunks, Wardrobe. Oshkosh Trunks and Luggage. 504,473, Nov. 30; Serial No. 549,946, published Aug. 31, 1948.
Wallets. Gail Novelty Company. 504,413, Nov. 30; Serial No. 541,664, published Aug. 10, 1948.
Wallets and key containers. Hickok Manufacturing Co. Inc. 504,462, Nov. 30; Serial No. 549,253, published Aug. 31, 1948.

CLASS 4

Abrasive pastes, Grinding and lapping. Bonide, Inc. 504,438, Nov. 30; Serial No. 544,972, published Aug. 31, 1948.
Abrasive products, Coated. Armour and Company. 504,343, Nov. 30; Serial No. 532,900, published Aug. 24, 1948.
Abrasive wheels, abrasive compositions, and bonding-compositions having abrasive properties. Bilton's Abrasives, Limited. 441,465, Nov. 30; Serial No. 507,509, published Aug. 24, 1948.
Cleaning preparation, Lens. Cosmet Company. 409,161, Feb. 19, 1944. Republished Nov. 30.
Cleansers, Handle mounted pot. Metal textile Corporation. 504,433, Nov. 30; Serial No. 543,953, published Aug. 17, 1948.
Grinding discs and wheels. Charles H. Besly and Company. 504,454, Nov. 30; Serial No. 547,965, published Aug. 24, 1948.
Paste-like preparation for shaving. Barbasol Company. 245,858, Aug. 21, 1928. Republished Nov. 30.
Paste-like preparation for shaving and skin-healing purposes. Napco Corporation. 135,022, Sept. 21, 1920. Republished Nov. 30.
Polish, Silver and metal. J. A. Wright & Co. 83,462, Sept. 12, 1911. Republished Nov. 30.

Preparation for cleaning wall paper. Omar Chemical Company. 316,967, Sept. 11, 1934. Republished Nov. 30.
Shaving cream. Whisko Company, Inc. 278,186, Dec. 9, 1930. Republished Nov. 30.
Soap. Armour and Company. 504,402, Nov. 30; Serial No. 540,965, published Aug. 17, 1948.
Soap, Liquid, pine cleanser, and sweeping compound. Spirittine Chemical Company. 504,477, Nov. 30; Serial No. 552,890, published Aug. 24, 1948.
Soap, Perfumed toilet. A. & F. Pears Limited. 70,853, re-renewed Oct. 13, 1948. O. G. Nov. 30.
Soaps. Los Angeles Soap Company. 504,318, Nov. 30; Serial No. 530,746, published Aug. 24, 1948.
Soaps, Toilet. Les Parfums de Dana, Inc. 504,424, Nov. 30; Serial No. 542,602, published Aug. 17, 1948.

CLASS 5

Adhesive compositions, Blood resin. Armour and Company. 504,387, Nov. 30; Serial No. 538,848, published Sept. 7, 1948.
Binders in powder or other dry form. Masonite Corporation. 504,273, Nov. 30; Serial No. 521,743, published Aug. 31, 1948.
Cements, Rubber. Lee Rubber and Tire Corporation. 504,375, Nov. 30; Serial No. 537,200, published Sept. 7, 1948.
Paste. Sanford Manufacturing Co. 70,802, re-renewed Oct. 6, 1948. O. G. Nov. 30.
Resins and solutions, Synthetic. Reichhold Chemicals, Inc. 415,920, Aug. 21, 1945. Republished Nov. 30.
Resins and solutions, Synthetic plastic. Reichhold Chemicals, Inc. 409,382, Oct. 3, 1944. Republished Nov. 30.
Resins and solutions, Synthetic plastic. Reichhold Chemicals, Inc. 411,720, Jan. 30, 1945. Republished Nov. 30.
Tape, Friction. Van Camp Hardware & Iron Company. 318,609, Oct. 30, 1934. Republished Nov. 30.

CLASS 6

Alcohol, Rubbing. Walgreen Co. 504,324, Nov. 30; Serial No. 531,066, published Aug. 31, 1948.
Alkaline product in powdered form. Diversey Corporation. 504,275, Nov. 30; Serial No. 522,735, published Sept. 7, 1948.
Analgesic and sedative preparations. Bradley's Laboratory. 243,733, June 26, 1928. Republished Nov. 30.
Antibacterial preparation. Sharp & Dohme, Incorporated. 441,467, Nov. 30; Serial No. 508,495, published Aug. 10, 1948.
Bacteria-producing mixture. F. W. Biedsoe. 504,478, Nov. 30; Serial No. 554,466, published Sept. 7, 1948.
Bath oil, Bubbling. Parfums Blanchard. 441,512, Nov. 30; Serial No. 524,204, published Aug. 31, 1948.
Bay rum, camphorated oil U. S. P., castor oil, etc. Associated Merchandising Corporation. 441,458, Nov. 30; Serial No. 503,179, published Aug. 24, 1948.
Beer, stout, and malt extract. Stroh Brewery Company. 70,922, re-renewed Oct. 13, 1948. O. G. Nov. 30.
Blood tonic, vitamin capsules with dicalcium phosphate. Maltine Company. 441,463, Nov. 30; Serial No. 505,903, published Aug. 24, 1948.
Bluing. Meyer, Foote & Dayton Co. 166,265, Mar. 27, 1923. Republished Nov. 30.
Capsules, Multi-vitamins, vitamin A & D capsules, etc. Great American Tea Company. 504,476, Nov. 30; Serial No. 550,504, published Aug. 31, 1948.
Carbon dioxide, Solid, anhydrous ammonia, nitrogen solution. Spencer Chemical Company. 504,383, Nov. 30; Serial No. 538,191, published Aug. 24, 1948.
Cosmetic, Face pack, white face pack cosmetic, etc. Boncilla Laboratories, Inc. 403,035, Aug. 31, 1943. Republished Nov. 30.
Cosmetics preparations. Carrel, Ltd. 504,261, Nov. 30; Serial No. 505,732, published Aug. 31, 1948.
Cough syrups and tablets, headache and stomach relief medicines in liquid, powder, tablet, and granular forms. McKay Davis Company. 441,527, Nov. 30; Serial No. 525,361.
Croup remedy. William W. Lee & Co. 101,958, Jan. 19, 1915. Republished Nov. 30.
Digitalis extract. Parke, Davis & Company. 504,364, Nov. 30; Serial No. 536,125, published Aug. 24, 1948.
Disinfectant. Polk Miller Products Corporation. 504,267, Nov. 30; Serial No. 515,786, published Aug. 31, 1948.
Disinfectants, Liquid. Embalmers Supply Co. 36,799, July 23, 1901. Republished Nov. 30.
Dyes, Vat. Dow Chemical Company. 504,410, Nov. 30; Serial No. 541,268, published Aug. 24, 1948.
Epsom salt. Drackett Chemical Company. 251,039, Dec. 25, 1928. Republished Nov. 30.
Essences of perfumes, essences for perfumery materials, aromatic materials, synthetic perfume materials, etc. A. L. van Ameringen. 245,446, Aug. 14, 1928. Republished Nov. 30.
Ester gums. Beck, Koller & Company, Inc. 301,102, Feb. 14, 1933. Republished Nov. 30.
Esters, Organic. Nipa Laboratories Limited. 504,472, Nov. 30; Serial No. 549,943, published Aug. 31, 1948.
Extirpating preparations, disinfectants, chemical fire-extinguishing preparations, etc. Schering-Kahlbaum A. G. 252,487, renewed Feb. 12, 1949. O. G. Nov. 30.
Fluid for cigarette lighters. Walgreen Co. 248,312, renewed Oct. 16, 1948. O. G. Nov. 30.
Fungicidal solution. Crookes Laboratories, Inc. 504,377, Nov. 30; Serial No. 537,428, published Aug. 24, 1948.
Gas, Concentrated natural. Philfuels Company. 249,082, renewed Nov. 6, 1948. O. G. Nov. 30.
Gases, Liquefied industrial. Philfuels Company. 249,081, renewed Nov. 6, 1948. O. G. Nov. 30.
Hair rinse. D. S. Marlow. 504,427, Nov. 30; Serial No. 542,950, published Sept. 7, 1948.
Insecticide device. Phillips-Clonick Co. 441,451, Nov. 30; Serial No. 501,404, published June 22, 1948.
Insecticides. Agkem, Inc. 504,400, Nov. 30; Serial No. 540,760, published Sept. 7, 1948.
Insecticides, rodenticides, germicides, etc. C. B. Dolge Company. 297,808, Oct. 4, 1932. Republished Nov. 30.
Laxative and stomachic. Dixie Medicine Co., Inc. 504,362, Nov. 30; Serial No. 535,835, published Sept. 7, 1948.
Liniment. W. F. Young. 89,786, Jan. 7, 1913. Republished Nov. 30.
Lotion, Face, hand lotion, foot lotion, etc. Maria Hornes, Ltd. 504,429, Nov. 30; Serial No. 543,184, published Aug. 31, 1948.
Lotion make-up foundation. Carter Products, Inc. 504,432, Nov. 30; Serial No. 543,775, published June 1, 1948.
Medicinal preparation containing calcium, iron, and vitamins. J. B. Roerig and Company. 504,326, Nov. 30; Serial No. 531,147, published Aug. 17, 1948.
Medicinal preparation containing ferrous sulphate, vitamins, etc. J. B. Roerig and Company. 504,327, Nov. 30; Serial No. 531,148, published Aug. 17, 1948.
Medicinal preparation, lactalbumin hydrolysate. J. B. Roerig and Company. 504,328, Nov. 30; Serial No. 531,149, published Aug. 17, 1948.
Medicinal preparations. Schering-Kahlbaum A. G. 252,529, renewed Feb. 12, 1949. O. G. Nov. 30.
Medicine, Mange. Polk Miller Products Corporation. 504,266, Nov. 30; Serial No. 515,785, published Aug. 31, 1948.
Milk of magnesia, magnesia tooth paste, and aspirin tablets. Walgreen Co. 504,323, Nov. 30; Serial No. 531,065, published Aug. 31, 1948.
Nail polish, nail polish remover, basecoat, etc. Northam Warren Corporation. 504,412, Nov. 30; Serial No. 541 329, published Aug. 31, 1948.
Oils, Processed, synthetic oils, resins, etc. Reichhold Chemicals, Inc. 414,133, May 29, 1945. Republished Nov. 30.
Ointment. Sargeant Acnoid Pharmaceutical Co. Inc. 254,076, renewed Mar. 12, 1949. O. G. Nov. 30.
Perfume. K. Daumit. 441,440, Nov. 30; Serial No. 489,716, published June 24, 1947.
Perfume, cologne, deodorant, pomades, etc. Bo-Kay Perfume Co. 504,403, Nov. 30; Serial No. 540,979, published Aug. 24, 1948.
Perfumes, toilet water, cologne, etc. Benard & Honnorat. 504,525, Nov. 30; Serial No. 548,318.
Pest control materials. C. C. Delk. 441,455, Nov. 30; Serial No. 502,807, published Aug. 31, 1948.
Pomades, Scalp and hair dressing. F. B. Mike. 416,795, Sept. 25, 1945. Canceled Oct. 29, 1948. O. G. Nov. 30.
Powder foundation, Creamy. Elizabeth Arden Sales Corporation. 504,405, Nov. 30; Serial No. 541,068, published Aug. 24, 1948.
Preparation for killing moths. R. Galowin. 280,147, Feb. 10, 1931. Canceled Oct. 29, 1948. O. G. Nov. 30.
Protein preparation. George A. Breon & Company. 504,453, Nov. 30; Serial No. 547,610, published Aug. 31, 1948.
Reagents, Chemical. Urbana Laboratories. 301,663, Mar. 7, 1933. Republished Nov. 30.
Resins, Synthetic. Monsanto Chemical Company. 504,479, Nov. 30; Serial No. 554,582, published Sept. 7, 1948.
Shampoo, Liquid cream. Jon Henri Inc. 441,493, Nov. 30; Serial No. 517,846, published Aug. 31, 1948.
Sodium penicillin, Veterinarian. Cutter Laboratories. 504,436, Nov. 30; Serial No. 544,331, published Aug. 24, 1948.
Solution for testing soils for acidity. Urbana Laboratories. 286,228, Aug. 25, 1931. Republished Nov. 30.
Solutions and preparations used for permanent waving, hair drying, etc. Eugene, Ltd. 504,388, Nov. 30; Serial No. 539,143, published Aug. 31, 1948.
Solutions and preparations used for permanent waving, hair drying, etc. Eugene, Ltd. 504,389, Nov. 30; Serial No. 539,145, published Aug. 31, 1948.
Spray and gargle, Nose and throat. McKesson & Robbins, Incorporated. 243,902, renewed July 3, 1948. O. G. Nov. 30.
Spray and gargle, Nose and throat. McKesson & Robbins, Incorporated. 243,913, renewed July 3, 1948. O. G. Nov. 30.
Spray used as an insecticide and germicide, Liquid. Van Camp Hardware & Iron Company. 219,670, Oct. 19, 1926. Republished Nov. 30.
Stomach tonics and bitters. Soc. A. R. L. De Vecchi. 441,501, Nov. 30; Serial No. 519,572, published Aug. 31, 1948.
Sulfadiazine buffered with sodium citrate. Ames Company, Inc. 504,449, Nov. 30; Serial No. 547,416, published Aug. 31, 1948.

Sulfaguanidine buffered with sodium citrate. Ames Company, Inc. 504,450, Nov. 30; Serial No. 547,417, published Aug. 31, 1948.
Sulfathiazole buffered with sodium citrate. Ames Company, Inc. 504,451, Nov. 30; Serial No. 547,418, published Aug. 31, 1948.
Tablets, Digestive. McCoy's Laboratories, Inc. 236,755, renewed Dec. 20, 1947. O. G. Nov. 30.
Talcum, after shave lotion, cologne, etc., Men's. R. Hudnut. 441,469, Nov. 30; Serial No. 509,003, published Aug. 31, 1948.
Thyroid products, Brominated. Van Patten Pharmaceutical Co. 425,673. Nov. 26, 1946. Republished Nov. 30.
Tonic, Hair. Conti Products Corporation. 504,401, Nov. 30; Serial No. 540,779, published Aug. 31, 1948.
Tonic, Malaria chill and fever. J. C. Mendenhall Medicine Co., Incorporated. 504,447, Nov. 30; Serial No. 547,014, published Sept. 7, 1948.
Ulcer inhibiting preparation. Parke, Davis & Company. 504,452, Nov. 30; Serial No. 547,478, published Aug. 17, 1948.

CLASS 7

Clothesline. Industrial Synthetics Corporation. 504,444, Nov. 30; Serial No. 546,774, published Aug. 31, 1948.
Clothesline. Industrial Synthetics Corporation. 504,461, Nov. 30; Serial No. 540,148, published Aug. 31, 1948.
Clotheslines and seine twine. Frank W. Winne & Son, Inc. 504,409, Nov. 30; Serial No. 541,244, published Aug. 17, 1948.
Cordage. Duro-Persian Mfg. Co., Inc. 504,506, Nov. 30; Serial No. 521,571.
Rope and twine. Tubbs Cordage Company. 504,283, Nov. 30; Serial No. 527,139, published Aug. 10, 1948.
Rope, Manila. Edwin H. Fitler Co. 504,418, Nov. 30; Serial No. 542,200, published Aug. 10, 1948.
Rope, Wire. Wire Rope Manufacturing & Equipment Company. 504,463, Nov. 30; Serial No. 549,314, published Sept. 7, 1948.
Ties, Wire. St. Regis Paper Company. 504,336, Nov. 30; Serial No. 532,172, published Aug. 31, 1948.
Twine. Bemis Bro. Bag Company. 504,279, Nov. 30; Serial No. 526,837, published Aug. 17, 1948.
Twines, rope, seine twine, trot line, etc. J. E. Fricke Co. 504,351, Nov. 30; Serial No. 533,722, published Aug 10, 1948.

CLASS 8

Ash trays, Smokers'. Harper-Wyman Company. 504,270, Nov. 30; Serial No. 518,293, published Sept. 7, 1948.

CLASS 9

Firearms. Remington Arms Company, Inc. 441,503, Nov. 30; Serial No. 520,055, published Aug. 17, 1948.
Fireworks. E. H. Robertson. 504,455, Nov. 30; Serial No. 548,409, published Aug. 17, 1948.
Gun cases. Schoellkopf Company. 504,386, Nov. 30; Serial No. 538,821, published Aug. 17, 1948.
Gun wadding. American Hair Felt Company. 247,789, Oct. 2, 1928. Republished Nov. 30.
Matches. Ohio Match Company. 106,662, Oct. 26, 1915. Republished Nov. 30.
Matches. Ohio Match Company. 186,690, July 22, 1924 Republished Nov. 30.
Matches. Ohio Match Company. 211,533–4, Apr. 13, 1926. Republished Nov. 30.

CLASS 10

Plant-fertilizing materials. Wilson & Toomer Fertilizer Co. 70,947, re-renewed Oct. 20, 1948. O. G. Nov. 30.

CLASS 11

Carbon paper and inked ribbons. Manifold Supplies Company. 504,448, Nov. 30; Serial No. 547,136, published Aug. 31, 1948.
Etching enamel for engravers' plates. Chemco Photoproducts Company. 338,047, Aug. 25, 1936. Republished Nov. 30.
Lacquers, Printing, for use on plastic sheetings. Heribert, Inc. 504,490, Nov. 30; Serial No. 501,740.
Oils, Processed, synthetic oils, resins, etc. Reichhold Chemicals, Inc. 413,965, May 22, 1945. Republished Nov. 30.

CLASS 12

Building material, etc. Logan-Long Company. 295,718, July 12, 1932. Corrected. O. G. Nov. 30.
Doors that open into an overhead position. Frantz Manufacturing Company. 282,609, Apr. 28, 1931. Republished Nov. 30.
Insulating material. Keystone Hair Insulator Co. 88,090, Aug. 27, 1912. Republished Nov. 30.
Insulating material, Felt. American Hair Felt Company. 169,332, June 12, 1923. Republished Nov. 30.
Insulating-sheeting. Keystone Hair Insulator Company. 144,592, July 12, 1921. Republished Nov. 30.
Linings of insulating material. Keystone Hair Insulator Company. 46,333–7, Sept. 12, 1905. Republished Nov. 30.
Linings of insulating material. Keystone Hair Insulator Company. 47,364, Oct. 31, 1905. Republished Nov. 30.
Linings of insulating material. Keystone Hair Insulator Company. 48,212, Dec. 19, 1905. Republished Nov. 30.
Paint, Oil, ready-mixed and paste; linseed oils, etc. G. M. Budeke. 175,295, Nov. 6, 1923. Republished Nov. 30.
Plates, Expansion. E. J. Lavino and Company. 375,086, Feb. 6, 1940. Canceled Oct. 29, 1948. O. G. Nov. 30.
Roofing, Prepared. Flintkote Company. 233,906, Oct. 11, 1927. Republished Nov. 30.
Sealing material for mechanical joints and the like. Presstite Engineering Company. 356,814, May 10, 1938. Republished Nov. 30.
Sheets of insulating material. Keystone Hair Insulator Company. 210,404, Mar. 16, 1926. Republished Nov. 30.
Wall finish, Stipple. Con-Ferro Paint and Varnish Co. 265,552, Dec. 31, 1929. Republished Nov. 30.

CLASS 13

Cooking utensils, Aluminum. Aluminum Goods Mfg. Co. 422,215, July 9, 1946. Republished Nov. 30.
Cord plugs for cleaning condenser tubes. Garlock Packing Company. 250,480, Dec. 11, 1928. Republished Nov. 30.
Hinges, butts, sash lifts, etc. Van Camp Hardware & Iron Company. 81,836, May 9, 1911. Republished Nov. 30.
Hinges, sash lifts, door hangers, etc. Van Camp Hardware & Iron Company. 414,056, May 22, 1945. Republished Nov. 30.
Joints, Expansion. Alberger Condenser Company. 66,319, re-renewed Nov. 19, 1947. O. G. Nov. 30.
Regulators, Gas pressure. Purox Company. 249,110, renewed Nov. 6, 1948. O. G. Nov. 30.
Tinware, Pieced, stamped sheet-metal ware, japanned sheet-metal ware, etc. Geuder, Paeschke & Frey Co. 103,059, Mar. 16, 1915. Republished Nov. 30.
Tinware, Pieced, stamped sheet-metal ware, japanned sheet-metal ware, etc. Geuder & Paeschke Manufacturing Company. 58,976, Dec. 25, 1906. Republished Nov. 30.
Vases, Base metal flower, trays and holders. George Koch Sons, Inc. 310,894, Mar. 13, 1934. Republished Nov. 30.

CLASS 14

Alloy addition agent in crushed form, Nickel-containing. International Nickel Company, Inc. 504,443, Nov. 30; Serial No. 546,706, published Aug. 10, 1948.
Alloy metal, Hard facing. Kansas Oxygen Company, Inc. 504,421, Nov. 30; Serial No. 542,322, published Aug. 10, 1948.
Anchors, Ships. Danforth Anchors. 504,310, Nov. 30; Serial No. 529,441, published July 27, 1948.
Bars, plates, hot-rolled strip, etc. Youngstown Sheet and Tube Company. 504,372, Nov. 30; Serial No. 536,973, published July 27, 1948.
Forgings of steel alloy. A. Finkl & Sons Company. 166,414, Apr. 3, 1923. Republished Nov. 30.
Forgings, Steel. A. Finkl & Sons Company. 175,029, Oct. 30, 1923. Republished Nov. 30.
Forgings, Steel. A. Finkl & Sons Company. 175,060, Oct. 30, 1923. Republished Nov. 30.
Iron and steel castings and forgings, Malleable. Symington-Gould Corporation. 504,302, Nov. 30; Serial No. 528,896, published Aug. 10, 1948.
Metal, Sheet and strip. Wheeling Steel Corporation. 504,378, Nov. 30; Serial No. 537,535, published July 27, 1948.
Plates, Metal. Guardian Metals Company. 222,105–6, renewed Dec. 21, 1946. O. G. Nov. 30.
Powders, Metal. Glidden Company. 441,492, Nov. 30; Serial No. 517,845, published Aug. 12, 1947.
Rods, Welding. Purox Company. 249,111, renewed Nov. 6, 1948. O. G. Nov. 30.
Solders composed primarily of lead and tin. Alpha Metals, Inc. 504,357, Nov. 30; Serial No. 535,446, published Aug. 3, 1948.
Steel, Black, galvanized steel, rust-resisting anticorrosive iron, etc. Republic Steel Corporation. 441,471, Nov. 30; Serial No. 509,534, published July 27, 1948.
Steel, Drill and tool. Ziv Steel & Wire Co. 504,422, Nov. 30; Serial No. 542,388, published Aug. 17, 1948.
Steel or iron sheets, Lead covered or coated. Continental Steel Corporation. 504,439, Nov. 30; Serial No. 545,095, published Aug. 17, 1948.
Steel sheets and galvanized steel sheets, Copper bearing. Niles Rolling Mill Company. 504,380, Nov. 30; Serial No. 537,720, published Aug. 17, 1948.
Steel used for die blocks and inserts in drop hammers and forging presses, etc. A. Finkl & Sons Company. 401,604, June 1, 1943. Republished Nov. 30.
Steel used for die blocks, sow blocks, and forged parts for drop hammers, etc. A. Finkl & Sons Company. 425,292. Nov. 12, 1946. Republished Nov. 30.
Steel used for die blocks, sow blocks, and forged parts for drop hammers, etc. A. Finkl & Sons Company. 429,012, Apr. 15, 1947. Republished Nov. 30.
Steel used for hardened and tempered die blocks, sow blocks and forged parts for drop hammers, etc. A. Finkl & Sons Company. 425,293, Nov. 12, 1946. Republished Nov. 30.
Steel used for piston rods, crankshafts, rams, etc. A. Finkl & Sons Company. 425,294, Nov. 12, 1946. Republished Nov. 30.

Welding rods and welding wire, Metallic. Lincoln Electric Company. 504,430, Nov. 30; Serial No. 543,198, published Aug. 17, 1948.
Zinc-coated ferrous sheets. American Zinc Institute Incorporated. 504,293, Nov. 30; Serial No. 528,148, published Aug. 10, 1948.

CLASS 15

Candles, Wax. Colonial Candle Co. of California. 441,515, Nov. 30; Serial No. 524,952, published Aug. 24, 1948.
Fuels, Hydrocarbon motor. Pure Oil Company. 243,164, June 12, 1928. Corrected. O. G. Nov. 30.
Gasoline, kerosene, benzine, etc. True's Oil Company. 277,126, Nov. 4, 1930. Republished Nov. 30.
Gasolines, Aviation and automotive. Standard Oil Company. 441,449, Nov. 30; Serial No. 498,936, published Aug. 31, 1948.
Oil. L. S. Miller. 441,474, Nov. 30; Serial No. 511,173, published Mar. 2, 1948.
Oil concentrate and lubricant to be added to motor fuel, Penetrating liquid. J. H. Weiner. 441,509, Nov. 30; Serial No. 521,772, published Aug. 17, 1948.
Oils and greases, Lubricating. Pate Oil Company. 504,360, Nov. 30; Serial No. 535,608, published Aug. 24, 1948.
Oils, greases, waxes, etc., Petroleum. Socony-Vacuum Oil Company, Incorporated. 441,479, Nov. 30; Serial No. 514,071, published Aug. 24, 1948.
Oils, Lubricating. Marquette Petroleum Products, Inc. 243,139, June 12, 1928. Republished Nov. 30.
Oils, Lubricating. Sun Oil Company. 441,485, Nov. 30; Serial No. 515,281, published Aug. 17, 1948.
Oils, Lubricating and lubricating greases. E. F. Houghton & Co. 504,350, Nov. 30; Serial No. 533,567, published Aug. 17, 1948.
Oils, Lubricating, and lubricating greases. Nourse Oil Company. 246,526, renewed Sept. 11, 1948. O. G. Nov. 30.
Petroleum products. Socony-Vacuum Oil Company, Incorporated. 441,514, Nov. 30; Serial No. 524,828, published Aug. 24, 1948.

CLASS 16

Ester gums and soluble plastic resins, Soluble. Beck, Koller & Company, Inc. 301,770, Mar. 14, 1933. Republished Nov. 30.
Oils, processed oils, synthetic oils, etc. Reichhold Chemicals, Inc. 410,574, Dec. 5, 1944. Republished Nov. 30.
Paint enamels. American Varnish Company. 173,708, Oct. 2, 1923. Republished Nov. 30.
Paint, Oil, ready-mixed and paste; linseed oils, etc. G. M. Budeke. 175,295, Nov. 6, 1923. Republished Nov. 30.
Paint, Paste. G. M. Budeke. 400,441, Mar. 9, 1943. Republished Nov. 30.
Paint, Ready-mixed, paint enamel, and varnishes. Boston Varnish Company. 241,765, May 8, 1928. Republished Nov. 30.
Paint, Wood or cement floor, house paint. Old Colony Paint & Chemical Co. 396,119, June 30, 1942. Republished Nov. 30.
Painters' materials. G. M. Budeke. 400,440, Mar. 9, 1943. Republished Nov. 30.
Paints, Dry, paste and ready mixed, varnish, lacquers, etc. Beck, Koller & Company, Inc. 301,765, Mar. 14, 1933. Republished Nov. 30.
Paints in ready-mixed form, lacquers and paint enamels. Maas & Waldstein Co. 421,703, June 11, 1946. Republished Nov. 30.
Paints, Ready-mixed, paint enamels, varnish, etc. Con Ferro Paint & Varnish Co. 226,942, Apr. 26, 1927. Republished Nov. 30.
Resins, Soluble plastic. Beck, Koller & Company, Inc. 301,771, Mar. 14, 1933. Republished Nov. 30.

CLASS 17

Cigars. Annis Gradiaz & Co., Inc. 504,417, Nov. 30; Serial No. 542,121, published Aug. 24, 1948.
Tobacco, Smoking. Penn Tobacco Company. 504,390, Nov. 30; Serial No. 539,742, published Aug. 17, 1948.

CLASS 19

Airplanes and structural parts thereof. Piper Aircraft Corporation. 430,222, June 10, 1947. Republished Nov. 30.
Automobiles. Overland Automobile Company. 72,436, re-renewed Jan. 26, 1949. O. G. Nov. 30.
Bicycles. Van Camp Hardware & Iron Company. 414,216, May 29, 1945. Republished Nov. 30.
Bicycles, tricycles, ice velocipedes, etc. Arkwright, Incorporated. 378,589, June 11, 1940. Republished Nov. 30.
Floor mats, Automobile body. Ford Motor Company. 252,216, renewed Jan. 29, 1949. O. G. Nov. 30.
Radiator and gasoline filler cap, Vehicle. Stant Manufacturing Company. 299,973, Jan. 3, 1933. Republished Nov. 30.

CLASS 21

Amplifiers, Audio-frequency. Webster Electric Company. 433,517, Oct. 14, 1947. Republished Nov. 30.
Battery chargers, voltage regulators, ballasts and reactors, etc. Acme Electric Corporation. 504,320, Nov. 30; Serial No. 530,889, published Aug. 24, 1948.
Battery chargers, voltage regulators, ballasts and reactors, etc. Acme Electric Corporation. 504,321–2, Nov. 30; Serial Nos. 530,891–2, published Aug. 24, 1948.
Cables, Rubber insulated electric. Anchor Cable Company, Ltd. 196,513, Mar. 17, 1925. Canceled Oct. 29, 1948. O. G. Nov. 30.
Dry cell batteries. General Dry Batteries, Inc. 432,118, Aug. 19, 1947. Republished Nov. 30.
Electrical apparatus. Son-Chief Electrics, Incorporated. 441,513, Nov. 30; Serial No. 524,577, published Aug. 31, 1948.
Engraving and cutting implements, Portable electric. Burgess Battery Company. 504,290, Nov. 30; Serial No. 528,048, published Aug. 24, 1948.
Generators, Electronic high frequency. J. B. Cunningham. 441,484, Nov. 30; Serial No. 514,579, published May 25, 1948.
Heaters, Electric air. W. W. Hicks. 273,645, Aug. 5, 1930. Republished Nov. 30.
Heaters, Electric water. W. W. Hicks. 254,781, Apr. 2, 1929. Republished Nov. 30.
Heating units and electric heaters, Electric. E. L. Wiegand Company. 441,517–18, Nov. 30; Serial Nos. 525,734–5, published Aug. 24, 1948.
Heating units and electric heaters, Electric. E. L. Wiegand Company. 441,519, Nov. 30; Serial No. 525,737, published Aug. 24, 1948.
Irons, Electric smoothing and pressing. Van Camp Hardware & Iron Company. 326,684, July 30, 1935. Republished Nov. 30.
Lamps, Electric floor and table. Stix, Baer and Fuller Company. 371,926, Oct. 17, 1939. Republished Nov. 30.
Loud-speaker, etc., Wired and wireless two-way electrical, Inter-Communication System of America, Inc. 504,313, Nov. 30; Serial No. 530,203, published Sept. 7, 1948.
Operators for valves, etc., Electric motorized. Automatic Temperature Control Co., Inc. 431,667–8, July 29, 1947. Republished Nov. 30.
Radio antennae, Insulated. American Braiding Company. 274,338, Aug. 26, 1930. Republished Nov. 30.
Radio receiver sets. Sonotone Corporation. 441,454, Nov. 30; Serial No. 502,724, published July 13, 1948.
Sound recording and sound reproducing instruments, etc., Electrical. Boosey & Hawkes Limited. 441,504, Nov. 30; Serial No. 520,376, published Aug. 31, 1948.
Storage batteries. Van Camp Hardware & Iron Company. 255,436, Apr. 23, 1929. Republished Nov. 30.
Traffic-control system, Automatic electric. Automatic Signal Corporation. 249,865, renewed Nov. 20, 1948. O. G. Nov. 30.
Welding machines and accessories, Electrical. Welding Service, Inc. 324,268, May 14, 1935. Republished Nov. 30.

CLASS 22

Archery equipment, etc. Metal-Lite Products Specialty Manufacturing Company. 429,854, May 20, 1947. Canceled Oct. 29, 1948. O. G. Nov. 30.
Ball having a removable inflatable bladder and a waterproof cover or casing, Round play. Bayshore Industries, Inc. 441,510, Nov. 30; Serial No. 522,515, published Apr. 6, 1948.
Baseballs, softballs, baseball gloves, etc. Oakes & Company. 441,498, Nov. 30; Serial No. 519,086, published Aug. 3, 1948.
Bicycles, tricycles, ice velocipedes, etc. Arkwright, Incorporated. 378,589, June 11, 1940. Republished Nov. 30.
Composition comprising a silicone resin and a comminuted adherent such as clay. Scientific Anglers. 441,445, Nov. 30; Serial No. 494,712, published Aug. 17, 1948.
Dolls. Bert B. Barry and Associates. 272,070, June 24, 1930. Republished Nov. 30.
Dolls. Terri Lee Co. 504,300, Nov. 30; Serial No. 528,824, published Aug. 17, 1948.
Fish hooks. E. A. Smeja. 441,466, Nov. 30; Serial No. 508,074, published Aug. 17, 1948.
Fish lure and artificial bait. Roessler Corporation. 504,339, Nov. 30; Serial No. 532,635, published Aug. 17, 1948.
Fishing lines. B. F. Gladding & Co. Inc. 504,281, Nov. 30; Serial No. 527,070, published Aug. 17, 1948.
Fishing rods and poles, fishing reels, fishing lines, hooks, sinkers, etc. Horrocks-Ibbotson Company. 441,483, Nov. 30; Serial No. 514,341, published Aug. 17, 1948.
Fishing tackle. Van Camp Hardware & Iron Company. 317,772, Oct. 2, 1934. Republished Nov. 30.
Game, Child's. H. M. Ford. 441,475, Nov. 30; Serial No. 512,406, published Aug. 10, 1948.
Golf clubs. K. Smith. 378,192–3, May 28, 1940. Republished Nov. 30.
Golf clubs and parts thereof. K. Smith. 356,624, May 3, 1938. Republished Nov. 30.
Golf clubs and parts thereof. K. Smith. 357,861, June 14, 1938. Republished Nov. 30.
Golf clubs and parts thereof. K. Smith. 361,583, Oct. 25, 1938. Republished Nov. 30.
Playing cards. M. A. Blask. 247,877, renewed Oct. 9, 1948. O. G. Nov. 30.

Skates, Roller, with shoes attached and rollers for roller skates. Chicago Roller Skate Company. 504,259, Nov. 30; Serial No. 497,528, published Aug. 17, 1948.
Toy construction kits. Saxon Toy Corporation. 441,487, Nov. 30; Serial No. 516,789, published Aug. 17, 1948.
Toy cooking and baking utensils, toy tea sets and toy sand sets. Aluminum Goods Mfg. Co. 419,237, Feb. 5, 1946. Republished Nov. 30.
Toys. Herbert H. Krause & Associates. 441,452, Nov. 30; Serial No. 501,512, published Aug. 3, 1948.

CLASS 23

Air compressors and parts thereof. Campbell-Hausfeld Co. 504,262, Nov. 30; Serial No. 511,136, published Aug. 10, 1948.
Augers, auger bits, car bits, etc. Greenlee Bros. & Co. 224,193, Feb. 22, 1927. Republished Nov. 30.
Bearing elements, Type-character-. Intertype Corporation. 504,498, Nov. 30; Serial No. 513,255.
Blades, Safety razor. Gillette Safety Razor Company. 441,488, Nov. 30; Serial No. 516,974, published Oct. 7, 1947.
Blades, Safety razor. Pal Blade Company. 441,436, Nov. 30; Serial No. 481,078, published July 3, 1945.
Blending and mixing machines. B. F. Gump Co. 251,475, renewed Jan. 8, 1949. O. G. Nov. 30.
Broaching machines, broaching tools and broaching tool sharpening machines. American Broach & Machine Co. 504,312, Nov. 30; Serial No. 530,051, published Aug. 17, 1948.
Brushes. Osborn Manufacturing Company. 504,276, Nov. 30; Serial No. 524,202, published Aug. 24, 1948.
Chucking machines. National Acme Company. 441,461, Nov. 30; Serial No. 505,511, published June 17, 1947.
Clippers, Manually operated non-electric portable. Brown's Clipper Company, (1939) Limited. 441,464, Nov. 30; Serial No. 505,948, published Aug. 17, 1948.
Clutches, Power machine. Ceejay Products Company. 504,288, Nov. 30; Serial No. 527,626, published Aug. 17, 1948.
Crank shafts, etc. Motor Parts & Supply Co. 381,423, Sept. 24, 1940. Canceled Oct. 1, 1948. O. G. Nov. 30.
Cutters, Pipe, pipe cutter wheels, pipe vises, etc. Nye Tool & Machine Works. 192,911, Dec. 16, 1924. Republished Nov. 30.
Cutters with replaceable blades. Gillette Safety Razor Company. 249,087, renewed Nov. 6, 1948. O. G. Nov. 30.
Cutters with replaceable blades. Gillette Safety Razor Company. 249,117, renewed Nov. 6, 1948. O. G. Nov. 30.
Die blocks and sew blocks, Finished. A. Finkl & Sons Company. 403,790–1, Oct. 19, 1943. Republished Nov. 30.
Die blocks, cutting boards, and cutting blocks. Appleton Wood Products Company. 504,256, Nov. 30; Serial No. 483,601, published Aug. 17, 1948.
Dies, special stamping, jigs, tools, etc. Ace Manufacturing Corporation. 433,584, Oct. 21, 1947. Republished Nov. 30
Drills. Whitman & Barnes, Inc. 278,039, Dec. 2, 1930. Republished Nov. 30.
Drills, Twist. Whitman & Barnes, Inc. 272,929, July 15, 1929. Republished Nov. 30.
Drills, Twist. Whitman & Barnes, Inc. 327,884, Sept. 10, 1935. Republished Nov. 30.
Drills, Twist, reamers, cutters, etc. Whitman Barnes-Detroit Corporation. 231,181, Aug. 16, 1927. Republished Nov. 30.
Elevating and conveying apparatus. Screw Conveyor Corporation. 373,056, Nov. 21, 1939. Republished Nov. 30.
Files. Carver File Company. 49,706, Feb. 13, 1906. Republished Nov. 30.
Files. Carver File Company. 233,302, Sept. 27, 1927. Republished Nov. 30.
Files. Carver File Company. 233,510, Oct. 4, 1927. Republished Nov. 30.
Files. Delta File Works, Inc. 200,098, June 23, 1925. Republished Nov. 30.
Files and rasps. Carver File Company. 50,538, Mar. 20, 1906. Republished Nov. 30, 1948.
Files and rasps. Carver File Company. 54,129, June 19, 1906. Republished Nov. 30.
Fire extinguishers, Portable hand. Amity Manufacturing Corp. 504,268, Nov. 30; Serial No. 516,522, published Aug. 10, 1948.
Handling apparatus, Automotive material. Mixermobile Manufacturers. 504,500, Nov. 30; Serial No. 514,426.
Hoes and rakes, Garden, manure, hay and coal forks, etc. Van Camp Hardware & Iron Company. 81,560, Apr. 18, 1911. Republished Nov. 30.
Knives, Hunting, fish knives, safety pocket axes, etc. Marble Arms & Mfg. Company. 504,316, Nov. 30; Serial No. 530,535, published Aug. 17, 1948.
Line composing machines, Typographical. Intertype Corporation. 504,496–7, Nov. 30; Serial Nos. 513,253–4.
Loaders, Manure. Siebring Manufacturing Co. 504,489, Nov. 30; Serial No. 499,438.
Lubricating apparatus, Portable and stationary. Lincoln Engineering Company. 430,242, June 10, 1947. Republished Nov. 30.
Machinery, Agricultural, implements, and accessories, etc. Minneapolis-Moline Power Implement Company. 504,309, Nov. 30; Serial No. 529,395, published Aug. 17, 1948.
Materials-handling equipment. Lewis-Shepard Products, Inc. 504,265, Nov. 30; Serial No. 513,183, published Aug. 17, 1948.
Mufflers and silencers for quieting noises at exhausts and intakes of internal combustion engines, etc. Burgess-Manning Company. 504,289, Nov. 30; Serial No. 527,792, published Aug. 17, 1948.
Openers, Bottle, cork screws, ice picks and hammers, and ice tongs. Brooks Brothers. 504,330, Nov. 30; Serial No. 531,308, published Aug. 17, 1948.
Penknives and pocket knives. Lektrolite Corporation. 441,480, Nov. 30; Serial No. 514,120, published Aug. 31, 1948.
Piston rods, crankshafts, rams, and forged parts. A. Finkl & Sons Company. 432,967, Sept. 23, 1947. Republished Nov. 30.
Planters, fertilizer planting machines, wheel hoes, plows, etc., Vegetable seed. A. B. Farquhar Company. 441,438, Nov. 30; Serial No. 487,185, published Aug. 10, 1948.
Pumps, pumping engines, and condensers and evaporators, Steam. M. T. Davidson Company. 441,468, Nov. 30; Serial No. 508,838, published Aug. 24, 1948.
Punches, punch retainers, and twist drills. Whitman & Barnes, Inc. 275,908, Oct. 7, 1930. Republished Nov. 30.
Quills or bobbins, shipping spools, winder spools, etc. Cloverleaf-Freeland Corporation. 504,331, Nov. 30; Serial No. 531,441, published Aug. 24, 1948.
Razors and blades, Safety. Barbasol Company. 304,988, July 25, 1933. Republished Nov. 30.
Razors, Safety, and safety razor blades. Gillette Safety Razor Company. 441,448, Nov. 30; Serial No. 498,622, published Feb. 24, 1948.
Rolls constructed of rubber, Squeezing. American Wringer Company, Inc. 251,377, renewed Jan. 8, 1949. O. G. Nov. 30.
Sanders, Track. New York Air Brake Company. 504,295, Nov. 30; Serial No. 528,305, published Aug. 17, 1948.
Screw-drivers, hammer, pliers, and saw all sold as a unit. Baltimore Hardware Company. 504,298, Nov. 30; Serial No. 528,685.
Scythes, hoes, and rakes. Van Camp Hardware & Iron Company. 414,781, June 26, 1945. Republished Nov. 30.
Seed and fertilizer planting machines, wheel hoes, and plows, etc. A. B. Farquhar Company. 441,437, Nov. 30; Serial No. 487,184, published Aug. 10, 1948.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 229,925, July 12, 1927. Republished Nov. 30.
Shovels, spades, and scoops. Pittsburgh Shovel Company. 264,435, Nov. 26, 1929. Republished Nov. 30.
Silencers and silencing apparatus, mufflers, and similar apparatus, etc. Vokes Limited. 441,476, Nov. 30; Serial No. 512,878, published Aug. 24, 1948.
Spotfacers, counterbores, countersinks, etc. Wesson Company. 408,006, July 11, 1944. Republished Nov. 30.
Steel dies. A. Finkl & Sons Company. 369,486, July 25, 1939. Republished Nov. 30.
Steel dies. A. Finkl & Sons Company. 400,088, Feb. 16, 1943. Republished Nov. 30.
Steel dies and machine parts. A. Finkl & Sons Company. 424,200–1, Sept. 24, 1946. Republished Nov. 30.
Steel dies and machine parts, Hardened and tempered. A. Finkl & Sons Company. 424,202, Sept. 24, 1946. Republished Nov. 30.
Surfacers, Metal. Carver File Co. 188,204, Aug. 19, 1924. Republished Nov. 30.
Tableware and cutlery. National Silver Company. 441,489, Nov. 30; Serial No. 517,146, published Aug. 31, 1948.
Tank and nonmeasuring pumps, Combined lubricant. Bennett Pumps Corporation. 250,675, Dec. 11, 1928. Republished Nov. 30.
Tool handles. American Fork and Hoe Company. 504,286, Nov. 30; Serial No. 527,605, published Aug. 24, 1948.
Tool kits, Utility. Bayes Manufacturing Co. Inc. 504,335, Nov. 30; Serial No. 531,990, published Aug. 24, 1948.
Tools. American Fork and Hoe Company. 504,287, Nov. 30; Serial No. 527,606, published Aug. 31, 1948.
Tools and parts thereof. Ames Shovel and Tool Company. 258,346, July 2, 1929. Republished Nov. 30.
Tools, Combination weed pulling and cultivating. Finger Weeder Company. 504,491, Nov. 30; Serial No. 505,691.
Tools, Hand. Billings & Spencer Company. 248,759, renewed Oct. 30, 1948. O. G. Nov. 30.
Tools, knives, and blades, Cutting. A P Parts Corporation. 441,456, Nov. 30; Serial No. 503,031, published Aug. 17, 1948.
Tractors, Garden. Roths Industries, Inc. 441,482, Nov. 30; Serial No. 514,304, published Aug. 17, 1948.
Tube and strainer unit, Suction. Transco Products, Inc. 504,280, Nov. 30; Serial No. 526,997, published Aug. 24, 1948.
Type-character-bearing elements for use in typographical machines. Intertype Corporation. 504,493, Nov. 30; Serial No. 513,251.

CLASS 25

Seals, Base-metal truck-car and shipping-case, seals for containers and packages, etc. E. J. Brooks and Company. 247,916, renewed Oct. 9, 1948. O. G. Nov. 30.

CLASS 26

Adding machines. Clary Multiplier Corporation. 504,511, Nov. 30; Serial No. 528,555.
Aircraft instruments and parts therefor. Specialties, Inc. 441,499, Nov. 30; Serial No. 519,450, published Aug. 31, 1948.
Balance and scales. Christian Becker Inc. 112,408, Sept. 5, 1916. Republished Nov. 30.
Balances and scales. Torsion Balance Company. 69,102, May 19, 1908. Republished Nov. 30.
Balances and scales. Torsion Balance Company. 112,448, Sept. 5, 1916. Republished Nov. 30.
Brackets, Photographic lamp mounting. Leonardo Lamp Mfg. Co. 441,497, Nov. 30; Serial No. 519,075, published Aug. 31, 1948.
Calculators of the slide rule type, photographic lens, etc. Radio Corporation of America. 441,520, Nov. 30; Serial No. 525,951, published Aug. 31, 1948.
Electrical apparatus. Standard Electronic Research Corporation. 504,408, Nov. 30; Serial No. 541,218, published Aug. 31, 1948.
Gages, Dimension. Niles-Bement-Pond Company. 504,278, Nov. 30; Serial No. 526,700, published Aug. 31, 1948.
Gauges and parts for the same, Tire air. Druge Brothers Manufacturing Co. 504,263, Nov. 30; Serial No. 511,987, published Aug. 31, 1948.
Lenses and lens assemblies, Photographic. Argus, Incorporated. 504,307, Nov. 30; Serial No. 529,339, published Apr. 27, 1948.
Machines for checking the dynamic and static balance of the wheels of motor vehicles. Manbee Equipment Company, Inc. 441,473, Nov. 30; Serial No. 510,712, published Aug. 31, 1948.
Meters, Parking. Dual Parking Meter Company. 441,470, Nov. 30; Serial No. 509,207, published Aug. 24, 1948.
Motion picture films. Metro-Goldwyn Distributing Corporation. 206,370, Dec. 1, 1925. Republished Nov. 30.
Moving-picture films. Goldwyn Pictures Corporation. 123,995, Dec. 31, 1918. Republished Nov. 30.
Plumbs, levels, squares, etc. Van Camp Hardware & Iron Company. 318,839, Nov. 6, 1934. Republished Nov. 30.
Rules, folding rules, and extension rules. Master Rule Manufacturing Co., Inc. 273,810, Aug. 12, 1930. Republished Nov. 30.
Scale, Weighing. Buffalo Scale Company, Inc. 322,834, Mar. 19, 1935. Republished Nov. 30.
Tape measures. Warren Featherbone Co. 504,397, Nov. 30; Serial No. 540,355, published Aug. 31, 1948.
Testing machines. Grant Advertising, Inc. 416,019, Aug. 21, 1945. Republished Nov. 30.
Testing machines, Paper. B. F. Perkins & Son, Inc. 72,681, re-renewed Feb. 9, 1949. O. G. Nov. 30.

CLASS 27

Watches. Warren Trading Corporation. 504,428, Nov. 30; Serial No. 542,984, published Sept. 7, 1948.
Watches and parts thereof. Post Watch Co., Inc. 504,504, Nov. 30; Serial No. 520,898.
Watches, watch casings, and parts of watches. Mido Societe Anonyme. 441,522, Nov. 30; Serial No. 498,535.

CLASS 28

Bracelets. Speidel Corporation. 433,811, Oct. 28, 1947. Republished Nov. 30.
Ecclesiastical goods. Swift & Fisher, Inc. 414,427, June 12, 1945. Republished Nov. 30.
Jewelry. Alpco, Inc. 441,472, Nov. 30; Serial No. 510,539, published Aug. 24, 1948.
Jewelry, Morgan & Allen Company. 504,384, Nov. 30; Serial No. 538,309, published Aug. 24, 1948.
Mountings for jewelry. Feature Ring Co., Inc. 504,406, Nov. 30; Serial No. 541,191, published Aug. 24, 1948.
Pins and brooches, Ornamental. Kaufman and Ruderman Co. Inc. 504,271, Nov. 30; Serial No. 518,464, published Sept. 7, 1948.
Tableware, Silver plated flat. Empire Crafts Corporation. 441,447, Nov. 30; Serial No. 496,549, published Sept. 7, 1948.
Tableware, Silverplated flat and hollow. Oneida Ltd. 504,434–5, Nov. 30; Serial Nos. 544,185–6, published Sept. 7, 1948.

CLASS 29

Brushes. John L. Whiting-J. J. Adams Company. 213,648, June 1, 1926. Republished Nov. 30.
Brushes. John L. Whiting-J. J. Adams Company. 213,924, June 8, 1926. Republished Nov. 30.
Brushes. John L. Whiting & Son Co. 48,820, Jan. 16, 1906. Republished Nov. 30.
Brushes. John L. Whiting & Son Co. 52,830–1, May 22, 1906. Republished Nov. 30.
Brushes. John L. Whiting & Son Co. 52,833, May 22, 1906. Republished Nov. 30.
Brushes. John L. Whiting & Son Co. 52,835, May 22, 1906. Republished Nov. 30.
Brushes. John L. Whiting & Son Co. 52,851, May 22, 1906. Republished Nov. 30.
Brushes. John L. Whiting & Son Co. 52,868, May 22, 1906. Republished Nov. 30.
Brushes. John L. Whiting & Son Co. 53,145, May 29, 1906. Republished Nov. 30.
Brushes, Artists'. Baker Brush Co., Inc. 254,093, renewed Mar. 12, 1949. O. G. Nov. 30.
Brushes, Hair, military brushes, clothes brushes, etc. Mohawk Brush Company. 389,617, Aug. 12, 1941. Republished Nov. 30.
Brushes, Hair, military brushes, clothes brushes, etc. Mohawk Brush Company. 392,336, Dec. 23, 1941. Republished Nov. 30.

CLASS 30

Pottery. Gladding, McBean & Co. 323,685, Apr. 30, 1935. Republished Nov. 30.

CLASS 31

Display cases and refrigerators, Refrigerated. Viking Refrigerators, Inc. 504,441, Nov. 30; Serial No. 545,200, published Sept. 7, 1948.
Filters, Air. Research Products Corporation. 504,319, Nov. 30; Serial No. 530,764, published Sept. 7, 1948.
Filters and filter elements. Meier, Inc. 441,481, Nov. 30; Serial No. 514,210, published Sept. 7, 1948.
Refrigeration apparatus, Parts of. Mueller Brass Co. 432,689, Sept. 9, 1947. Republished Nov. 30.

CLASS 32

Bars, Refreshment, refreshment back bars, and display, etc. Design Inc. 504,258, Nov. 30; Serial No. 497,467, published Aug. 31, 1948.
Bars, Refreshment, refreshment back bars, tables and chairs. Design Inc. 504,257, Nov. 30; Serial No. 497,466, published Aug. 31, 1948.
Furniture, Bedroom, dining-room, living-room, and kitchen. Tennessee Furniture Corporation. 186,489, July 22, 1924. Republished Nov. 30.
Beds and cushions, Air. P. B. Cow & Co. Limited. 504,361, Nov. 30; Serial No. 535,823, published Aug. 24, 1948.
Beds, cots, chairs, etc. Slumber Products Corporation. 504,338, Nov. 30; Serial No. 532,347, published Aug. 31, 1948.
Cabinets, Kitchen. Keystone Cabinet Company. 504,342, Nov. 30; Serial No. 532,833, published Aug. 17, 1948.
Cribs. Kroll Brothers Company. 441,441, Nov. 30; Serial No. 493,128, published May 6, 1947.
Cushions, Hair carpet, and hair seat cushions. American Hair Felt Co. 172,349, Aug. 28, 1923. Republished Nov. 30.
Cushions, Hair-felt carpet, and hair-felt seat cushions. American Hair & Felt Company. 262,427, Oct. 8, 1929. Republished Nov. 30.
Cushions, Hair-felt carpet, and hair-felt seat cushions. American Hair & Felt Company. 263,747, Nov. 12, 1929. Republished Nov. 30.
Cushions, Hair-felt carpet, and hair-felt seat cushions. American Hair & Felt Company. 322,961, Mar. 26, 1935. Republished Nov. 30.
Cushions, Hair-felt carpet, and hair-felt seat cushions. American Hair & Felt Company. 324,578, May 21, 1935. Republished Nov. 30.
Cushions, Hair-felt carpet, and hair-felt seat cushions. American Hair & Felt Company. 324,579, May 21, 1935. Republished Nov. 30.
Files, Storage. Diebold, Incorporated. 504,314, Nov. 30; Serial No. 530,388, published Sept. 7, 1948.
Filing equipment. Yawman and Erbe Mfg. Co. 251,381, renewed Jan. 8, 1949. O. G. Nov. 30.
Frames and racks, Transparent covered. Food Display Cover Company, Inc. 441,496, Nov. 30; Serial No. 518,884, published Sept. 7, 1948.
Furniture. American Fixture and Mfg. Co. 504,370, Nov. 30; Serial No. 536,862, published Aug. 31, 1948.
Furniture and upholstery. Stix, Baer and Fuller Company. 312,727, May 8, 1934. Republished Nov. 30.
Furniture, beds, and bedding. Hard Manufacturing Company. 504,344, Nov. 30; Serial No. 532,930, published Sept. 7, 1948.
Ledger card trays of sheet metal. Yawman and Erbe Mfg. Co. 247,846, renewed Oct. 9, 1948. O. G. Nov. 30.
Mattresses. Southern Spring Bed Company. 504,368, Nov. 30; Serial No. 536,660, published Aug. 10, 1948.
Rockers, Platform. Rockers, Inc. 504,367, Nov. 30; Serial No. 536,548, published Aug. 24, 1948.
Sink tops and cabinet tops, Plastic. Home Products Co. 441,478, Nov. 30; Serial No. 513,180, published Aug. 31, 1948.
Springs, Crib. Kroll Brothers Company. 441,442, Nov. 30; Serial No. 493,127, published May 6, 1947.
Springs, Crib. Kroll Brothers Company. 441,443, Nov. 30; Serial No. 493,129, published May 6, 1947.
Venetian blinds. F. R. Hendricks. 504,282, Nov. 30; Serial No. 527,084, published Aug. 17, 1948.
Venetian blinds. Modern Venetian Blinds, Inc. 504,371, Nov. 30; Serial No. 536,946, published Aug. 31, 1948.

CLASS 34

Apparatus, comprising tanks and fittings. Southern Gas & Equipment Co. 441,450, Nov. 30; Serial No. 501,290, published May 18, 1948.
Radiators, heat-diffusing units. York Heating & Ventilating Corporation. 251,205, renewed Jan. 1, 1949. O. G. Nov. 30.
Stoves, ranges, ovens and heaters, Oil. United Stove Company. 290,080, Dec. 22, 1931. Republished Nov. 30.
Torches, Welding and cutting gas. Purox Company. 248,842, renewed Oct. 30, 1948. O. G. Nov. 30.

CLASS 35

Belting and hose. Raybestos-Manhattan, Inc. 504,349, Nov. 30; Serial No. 533,390, published Aug. 24, 1948.
Belting and hose, Machinery. Raybestos-Manhattan, Inc. 504,446, Nov. 30; Serial No. 546,909, published Aug. 17, 1948.
Belting, Leather. J. E. Rhoads & Sons. 252,430–3, renewed Feb. 5, 1949. O. G. Nov. 30.
Belts of leather or fabric, portable tire repair kits, nonmetallic washers, etc. Ford Motor Company. 251,383, renewed Jan. 8, 1949. O. G. Nov. 30.
Belts, Transmission. Thermoid Company. 504,416, Nov. 30; Serial No. 541,979, published Aug. 31, 1948.
Conveyor belts. Whitehead Bros. Rubber Co. 383,067, Nov. 19, 1940. Republished Nov. 30.
Hose and rakes, Garden, manure, hay and coal forks, etc. Van Camp Hardware & Iron Company. 81,560, Apr. 18, 1948. Republished Nov. 30.
Hose, Garden, automobile tires and tubes, bicycle tires and tubes, etc. Van Camp Hardware & Iron Company. 318,514, Oct. 30, 1934. Republished Nov. 30.
Hose, Gasoline, oil hose, rotary drilling hose, etc. Whitehead Bros. Rubber Co. 389,359, Aug. 5, 1941. Republished Nov. 30.
Hose of rubber and cotton canvas duck. Whitehead Bros. Rubber Co. 145,864, Aug. 16, 1921. Republished Nov. 30.
Hose, Rubber. Purox Company. 249,112, renewed Nov. 6, 1948. O. G. Nov. 30.
Rings, Piston. Koppers Company, Inc. 504,299, Nov. 30; Serial No. 528,801, published Aug. 17, 1948.
Tires, Pneumatic. Goodyear Tire & Rubber Company. 504,296, Nov. 30; Serial No. 528,449, published Aug. 24, 1948.
Washers. Non-metallic packing. Lincoln Engineering Company. 504,260, Nov. 30; Serial No. 502,221, published Aug. 31, 1948.

CLASS 36

Drums. P. A. Vespe. 441,460, Nov. 30; Serial No. 503,685, published July 27, 1948.
Musical instruments, Electric. Baldwin Company. 441,516, Nov. 30; Serial No. 525,183, published Sept. 7, 1948.
Records, Mechanically grooved phonograph. M. Inglada. 504,518, Nov. 30; Serial No. 531,327.
Records, Mechanically grooved phonograph. Record Guild of America, Inc. 504,493–4, Nov. 30; Serial Nos. 509,034–5.
Records, Phonograph. American Glossite Co., Incorporated. 410,954, Dec. 26, 1944. Republished Nov. 30.
Records, Phonograph. American Glossite Co., Incorporated. 411,755–6, Jan. 30, 1945. Republished Nov. 30.
Records, Phonograph. American Glossite Co., Incorporated. 414,540, June 12, 1945. Republished Nov. 30.
Strings for musical instruments. British Music & Tennis Strings Limited. 504,385, Nov. 30; Serial No. 538,715, published Sept. 7, 1948.
Strings for violins and similar musical instruments. Progressive Musical Instrument Corporation. 441,525, Nov. 30; Serial No. 514,290.

CLASS 37

Account, data and order books. Western Tablet & Stationery Corporation. 441,521, Nov. 30; Serial No. 526,146, published Aug. 31, 1948.
Bands, Printed. Forbes Lithograph Manufacturing Company. 305,089, Aug. 1, 1933. Republished Nov. 30.
Blank slips, ledger leaves, manifold book, etc. Reynolds & Reynolds Company. 252,070, renewed Jan. 22, 1949. O. G. Nov. 30.
Blotting-paper. Wrenn Paper Company. 70,710, re-renewed Sept. 29, 1948. O. G. Nov. 30.
Books and diaries, Record. Samuel Ward Manufacturing Co. 296,543, Aug. 9, 1932. Republished Nov. 30.
Books, Memorandum. Arrow-Hart & Hegeman Electric Company. 504,426, Nov. 30; Serial No. 542,899, published Aug. 10, 1948.
Envelopes, Correspondence. Gray Envelope Manufacturing Company, Inc. 504,420, Nov. 30; Serial No. 542,229, published Aug. 10, 1948.
Manifold forms. Reynolds & Reynolds Company. 250,810, renewed Dec. 18, 1948. O. G. Nov. 30.
Paper, Bond, ledger paper and paper envelopes. Howard Paper Mills, Inc. 504,311, Nov. 30; Serial No. 529,993, published Aug. 10, 1948.
Paper covers for bridge tables. H. E. McBride. 504,348, Nov. 30; Serial No. 533,188, published Aug. 10, 1948.
Paper, Crepe. C. A. Reed Company. 504,304, Nov. 30; Serial No. 529,299, published Aug. 10, 1948.
Paper, Crepe. C. A. Reed Company. 504,305, Nov. 30; Serial No. 529,301, published Aug. 10, 1948.
Paper, Crepe. C. A. Reed Company. 504,306, Nov. 30; Serial No. 529,305, published Aug. 10, 1948.
Paper, Mineral coated. Champion Paper and Fibre Company. 504,285, Nov. 30; Serial No. 527,304, published Aug. 24, 1948.
Paper plates or mats, etc., Blank and preprinted lithographic. Columbia Ribbon & Carbon Manufacturing Company. 441,439, Nov. 30; Serial No. 488,509, published Aug. 31, 1948.
Paper, Printing. Fletcher Paper Company. 504,340, Nov. 30; Serial No. 532,672, published Aug. 24, 1948.
Paper, Printing. S. D. Warren Company. 504,425, Nov. 30; Serial No. 542,733, published Aug. 10, 1948.
Paper, Printing, and wrapping paper. Svenska Cellulosa Aktiebolaget. 441,462, Nov. 30; Serial No. 505,530, published Aug. 3, 1948.
Paper products. Hano Paper Corporation. 441,453, Nov. 30; Serial No. 502,577, published Aug. 24, 1948.
Paper tagboard, Solid white. Brownville Board Company, Inc. 353,605, Jan. 11, 1938. Republished Nov. 30.
Paper tissues, All purpose absorbent. International Cellucotton Products Company. 504,337, Nov. 30; Serial No. 532,229, published Aug. 3, 1948.
Paper, Toilet. Wortendyke Manufacturing Co. 504,317, Nov. 30; Serial No. 530,611, published Aug. 24, 1948.
Paper, Toilet, paper towels, and paper napkins. Hoberg Paper and Fibre Company. 246,877, renewed Sept. 18, 1948. O. G. Nov. 30.
Paper towels and toilet tissue. Straubel Paper Company. 504,277, Nov. 30; Serial No. 526,618, published Aug. 24, 1948.
Paper towels, toilet tissue and paper table coverings. Straubel Paper Company. 504,292, Nov. 30; Serial No. 528,139, published Aug. 10, 1948.
Paper, Uncalendered sheet. Swigart Paper Company. 504,363, Nov. 30; Serial No. 536,009, published Aug. 10, 1948.
Paper, Wax. Haas Brothers. 259,388, July 30, 1929. Republished Nov. 30.
Paper, Wax. Newark Paraffine & Parchment Paper Co. 254,333, renewed Mar. 19, 1949. O. G. Nov. 30.
Paper, Writing. Brightwater Paper Company. 504,325, Nov. 30; Serial No. 531,089, published Aug. 24, 1948.
Paper, Writing. Brightwater Paper Company. 504,419, Nov. 30; Serial No. 542,204, published Aug. 10, 1948.
Paper, Writing and printing. Keith Paper Company. 504,345, Nov. 30; Serial No. 533,028, published Aug. 10, 1948.
Paper, Writing and printing. Keith Paper Company. 504,346–7, Nov. 30; Serial Nos. 533,030–1, published Aug. 10, 1948.
Papers of rope, jute, and/or rag manufactured and sold in bulk, Technical and industrial. Hollingsworth & Vose Company. 504,308, Nov. 30; Serial No. 529,386, published Aug. 10, 1948.
Stapling machines, Hand-operated. Ace Fastener Corporation. 504,303, Nov. 30; Serial No. 528,978, published Aug. 10, 1948.
Stereotype mats. C. F. Burgess Laboratories, Inc. 264,562, Nov. 26, 1929. Republished Nov. 30.
Tag boards, Manila. Brownville Board Company, Inc. 329,612–13, Nov. 5, 1935. Republished Nov. 30.

CLASS 38

Magazine containing reading matter of general interest. Buhai Publishing Co., Inc. 441,495, Nov. 30; Serial No. 518,587, published Aug. 10, 1948.
Magazine, Monthly. Conde Nast Publications Inc. 504,456, Nov. 30; Serial No. 548,483, published Aug. 17, 1948.
Magazine, Monthly. Spalding Publications, Inc. 243,501, renewed June 26, 1948. O. G. Nov. 30.
Periodical. J. Godfrey, Jr. 346,123, May 18, 1937. Republished Nov. 30.
Periodical, Monthly. Periodical House Inc. 504,354, Nov. 30; Serial No. 534,181, published Aug. 24, 1948.
Prints and illustrations in half-tone, Reproductions of photographic. Repro-Tone Company. 406,119, Mar. 14, 1944. Republished Nov. 30.
Publication, Weekly. American Education Press, Inc. 254,284, renewed Mar. 19, 1949. O. G. Nov. 30.
Publications, Periodical. United States News Publishing Corporation. 433,751, Oct. 28, 1947. Republished Nov. 30.
Title for a magazine section. Mock, Judson, Voehringer Co. 388,611, July 1, 1941. Republished Nov. 30.

CLASS 39

Aprons, collars, and cuffs, etc., Women's. Henry A. Dix & Sons Corporation. 246,677, renewed Sept. 11, 1948. O. G. Nov. 30.
Aprons, pinafores, brunch coats, and smocks, Ladies'. W Salomon. 504,341, Nov. 30; Serial No. 532,759, published Aug. 24, 1948.
Bandeaux and panties. Vanity Fair Silk Mills. 293,042, Apr. 5, 1932. Republished Nov. 30.
Bandeaux, bloomers, brassières, etc. Vanity Fair Silk Mills. 183,424, Apr. 29, 1924. Republished Nov. 30.
Blouses, Ladies'. J. Nance. 441,494, Nov. 30; Serial No. 517,859, published Aug. 17, 1948.
Brassières, and bandeaux. E. S. Standish. 251,212, Jan. 1, 1929. Republished Nov. 30.
Clothing. Allee Incorporated. 504,502, Nov. 30; Serial No. 517,689.
Coats, suits, overcoats, etc., Women's and children's. Arnold Constable & Co., Inc. 253,825, renewed Mar. 5, 1949. O. G. Nov. 30.
Coats, Women's and misses' pile-fabric and cloth. Philip Shlansky & Bro., Inc. 390,577, Sept. 30, 1941. Republished Nov. 30.
Dresses. Caldwell-Gray, Inc. 504,365, Nov. 30; Serial No. 536,231, published Aug. 10, 1948.
Dresses, Children's and misses'. Ash Manufacturing Company. 504,501, Nov. 30; Serial No. 515,528.

Dresses for women, misses, and girls. Jacoby & Friedman Inc. 441,446, Nov. 30; Serial No. 495,607, published Aug. 17, 1948.
Dresses, play suits, jackets, etc., Cotton, rayon, silk and woolen. Pioneer Manufacturing Company of Wilkes-Barre, Pa. 441,526, Nov. 30; Serial No. 517,323.
Dresses, Women's. Dichter & Schatz, Inc. 504,524, Nov. 30; Serial No. 543,283.
Dresses, Women's and little women's. Weissman & Wolfson, Inc. 504,508, Nov. 30; Serial No. 523,722.
Dresses, Women's and misses'. E. N. Marcus & Co. 504,513, Nov. 30; Serial No. 529,664.
Frocks, Ladies'. Jones, Dean Inc. 504,522, Nov. 30; Serial No. 540,594.
Girdles, foundation garments and brassières. David Clark Company, Inc. 504,503, Nov. 30; Serial No. 519,800.
Gloves. Glovecraft, Inc. 389,223, July 29, 1941. Republished Nov. 30.
Gloves and mittens, Workmen's. Boss Manufacturing Company. 247,275, renewed Sept. 25, 1948. O. G. Nov. 30.
Hats, scarfs, mittens, etc., Ladies' and misses'. Douglas of California, Inc. 504,423, Nov. 30; Serial No. 542,547, published Aug. 24, 1948.
Hose, Women's. Carlton Trading Company. 144,713, July 19, 1921. Republished Nov. 30.
Hosiery. Berks Textiles, Inc. 504,505, Nov. 30; Serial No. 521,556.
Hosiery. Clausaner Hosiery Company. 329,118, Oct. 15, 1935. Republished Nov. 30.
Hosiery. Hanes Hosiery Mills Co. 504,514, Nov. 30; Serial No. 529,896.
Hosiery. J. L. Hudson Company. 250,329, Dec. 4, 1928. Republished Nov. 30.
Hosiery. Joel Baily Davis Co. 73,087, re-renewed Mar. 16, 1949. O. G. Nov. 30.
Hosiery. E. Kinerk. 250,283, renewed Dec. 4, 1948. O. G. Nov. 30.
Hosiery. Massachusetts Knitting Mills. 248,837, renewed Oct. 30, 1948. O. G. Nov. 30.
Hosiery. Nolde & Horst Company. 279,882, Feb. 3, 1931. Republished Nov. 30.
Hosiery. Textile Mills Corporation. 291,647, Feb. 23, 1932. Republished Nov. 30.
Hosiery. Textile Mills Corporation. 304,923, July 25, 1933. Republished Nov. 30.
Hosiery. Vanity Fair Silk Mills. 130,430, Apr. 20, 1920. Republished Nov. 30.
Hosiery. Vanity Fair Silk Mills. 306,697, Sept. 26, 1933. Republished Nov. 30.
Hosiery, Chiffon. J. F. Buck. 223,607, Feb. 8, 1927. Republished Nov. 30.
Hosiery, Dress. Textile Mills Corporation. 193,841, Jan. 6, 1925. Republished Nov. 30.
Jackets. Boyd-Richardson Company. 240,475, Mar. 27, 1928. Corrected. O. G. Nov. 30.
Overalls. Cowden Manufacturing Company. 130,688, May 4, 1920. Republished Nov. 30.
Overalls, work-coats or shop-coats, work-shirts, etc. Globe Shirt & Overall Company. 143,021, May 24, 1921. Republished Nov. 30.
Overcoats and topcoats for men. Stratbury Manufacturing Company. 355,759, Mar. 29, 1938. Republished Nov. 30.
Pajamas, undershirts, undershorts, etc., Men's and boy's. Campe Corporation. 421,697, June 11, 1946. Republished Nov. 30.
Playtogs, Children's and infants'. Wee Moderns, Inc. 504,369, Nov. 30; Serial No. 536,852, published Aug. 10, 1948.
Shirts, Negligee and dress. Enro Shirt Company, Inc. 253,951, renewed Mar. 12, 1949. O. G. Nov. 30.
Shirts, Work. Rombro Bros. 334,880, May 19, 1936. Republished Nov. 30.
Shoe welts. Wright-Batcheider Corporation. 419,105, Feb. 5, 1946. Republished Nov. 30.
Shoes. Edison Bros. Stores, Inc. 338,749, Sept. 15, 1936. Republished Nov. 30.
Shoes. Lumbard-Watson Co. 504,520, Nov. 30; Serial No. 532,242.
Shoes, Ladies'. Edison Brothers Stores, Inc. 430,591, June 17, 1947. Republished Nov. 30.
Shoes, Women's and misses'. Midland Shoe Company. 504,499, Nov. 30; Serial No. 513,894.
Shoes, Women's, misses', and children's. Oppenheim, Collins & Co. Inc. 248,998, Nov. 6, 1928. Republished Nov. 30.
Skirts, Outer, outer shorts, slacks, etc. E. Donath. 504,488, Nov. 30; Serial No. 495,453.
Skirts, Women's and misses' and children's. Correct Garment Co., Inc. 357,816, June 14, 1938. Republished Nov. 30.
Slips, Ladies' and misses', petticoats, nightgowns, etc. Patricia Petticoat Co., Inc. 377,775, May 14, 1940. Republished Nov. 30.
Slips, Ladies' silk or rayon, petticoats, nightgowns, etc. Patricia Petticoat Co., Inc. 362,258, Nov. 13, 1938. Republished Nov. 30.
Sportswear, Men's and women's. Clubhouse Casuals, Inc. 504,274, Nov. 30; Serial No. 522,568, published Aug. 17, 1948.
Sports wear, Men's, women's, and children's. Catalina Knitting Mills. 417,845, Nov. 20, 1945. Republished Nov. 30.
Stockings, Mock, Judson, Voehringer Co., Inc. 309,242, Jan. 5, 1934. Republished Nov. 30.
Suits and overcoats, Men's and boys'. Meier & Frank Company. 231,095, Aug. 9, 1927. Republished Nov. 30.
Suits, Automobile service, play suits, overalls, etc. Cowden Manufacturing Company. 266,131, Jan. 14, 1930. Republished Nov. 30.
Suits, Automobile service, play suits, overalls, etc. Cowden Manufacturing Company. 266,954, Feb. 11, 1930. Republished Nov. 30.
Suits, Automobile service, play suits, overalls, etc. Cowden Manufacturing Company. 266,956, Feb. 11, 1930. Republished Nov. 30.
Suits, coats, dresses, etc., Ladies'. American Retailers Association, Inc. 208,604, Feb. 2, 1926. Republished Nov. 30.
Suits, shorts, briefs, etc., Men's union. Campe Corporation. 383,987, Dec. 31, 1940. Republished Nov. 30.
Sun-suits, wash suits, etc., Children's. Lehman-Baer Company. 504,373, Nov. 30; Serial No. 537,053, published Aug. 10, 1948.
Sweaters. H. Schlanger. 504,492, Nov. 30; Serial No. 508,494.
Sweaters and cardigans for boys and girls; brother and sister sets, etc. Alg-Schechner, Inc. 441,511, Nov. 30; Serial No. 522,917, published Aug. 24, 1948.
Sweaters, blouses, outer sport skirts, etc., Ladies' and misses'. C. Gutmann & Co. 404,570, Dec. 7, 1943. Republished Nov. 30.
Underwear and children's sleepers, Knit and woven. P. H. Hanes Knitting Company. 504,332, Nov. 30; Serial No. 531,468, published Aug. 10, 1948.
Underwear for women, Knitted and textile. Vanity Fair Silk Mills. 289,350, Nov. 24, 1931. Republished Nov. 30.
Underwear, Knitted. Campe Corporation. 127,266, Nov. 4, 1919. Republished Nov. 30.
Underwear, Knitted. Campe Corporation. 127,346, Nov. 11, 1919. Republished Nov. 30.
Underwear, Men's, children's, misses' and ladies' knit. Basbore Knitting Mills Company. 504,509, Nov. 30; Serial No. 524,049.
Underwear, Women's and children's rayon and knit. Campe Corporation. 277,104, Nov. 4, 1930. Republished Nov. 30.
Underwear, Women's and misses'. L. Pate. 504,512, Nov. 30; Serial No. 528,640.
Uniforms and capes, Nurses'. Stein Uniform Company. 403,687, Oct. 12, 1943. Republished Nov. 30.

CLASS 40

Barrettes. Strulson Novelty Corporation. 504,459, Nov. 30; Serial No. 548,766, published Aug. 31, 1948.
Braids, Hat. Henry Pollak Inc. 426,626, Jan. 7, 1947. Republished Nov. 30.
Braids, Millinery. Armand Schwab & Co., Inc. 504,396, Nov. 30; Serial No. 540,321, published Aug. 17, 1948.
Buckles. Snap. United-Carr Fastener Corporation. 504,465, Nov. 30; Serial No. 549,596, published Aug. 31, 1948.
Bust forms. Forest City Products, Inc. 504,269, Nov. 30; Serial No. 516,684, published Aug. 24, 1948.
Buttons. W. A. Logan. 504,468, Nov. 30; Serial No. 549,813, published Sept. 7, 1948.
Buttons. W. A. Logan. 504,469, Nov. 30; Serial No. 549,814, published Sept. 7, 1948.
Buttons and buckles. B. Blumenthal & Co., Inc. 504,333–4, Nov. 30; Serial Nos. 531,883–4, published Aug. 17, 1948.
Buttons, Metal (non-precious) and plastic. Patent Button Co. 411,893, Feb. 6, 1945. Republished Nov. 30.
Combs. R. B. Levine. 504,411, Nov. 30; Serial No. 541,307, published Aug. 10, 1948.
Combs. Vulcanized Rubber and Plastics Company. 504,399, Nov. 30; Serial No. 540,501, published Aug. 10, 1948.
Combs, Hair. Multicomb Company. 504,515, Nov. 30; Serial No. 530,420.
Combs, Rubber and plastic combs. Vulcanized Rubber and Plastics Company. 504,398, Nov. 30; Serial No. 540,499, published Aug. 10, 1948.
Combs, Rubber, and plastic combs. Vulcanized Rubber and Plastics Company. 504,404, Nov. 30; Serial No. 541,053, published Aug. 10, 1948.
Elastic bands, narrow elastic braids, and narrow elastic webbing, Plain and fancy narrow knitted. Narrow Fabric Company. 504,355, Nov. 30; Serial No. 534,325, published Aug. 17, 1948.
Fasteners, Snap. Rau Fastener Company. 504,297, Nov. 30; Serial No. 528,644, published Aug. 10, 1948.
Garment engaging fasteners, etc. Governor Fastener Co. 504,381, Nov. 30; Serial No. 538,001, published Aug. 10, 1948.
Hooks and knitting needles, Crochet. H. C. Bates. 400,816, Apr. 6, 1943. Republished Nov. 30.
Iron transfers, Hot. Modern Handcraft, Inc. 504,470, Nov. 30; Serial No. 549,824, published Aug. 31, 1948.
Needles and crochet hooks, Hand knitting. H. C. Bates. 388,716, July 8, 1941. Republished Nov. 30.
Ornaments, Costume. H. L. Mason. 441,457, Nov. 30; Serial No. 503,167, published Aug. 24, 1948.

Pads for garments, Shoulder. C. & D. Novelty Company. 441,486, Nov. 30; Serial No. 515,897, published Aug. 17, 1948.
Sequins, and sequin trimmings. Casino Novelty Embroidery Co. 441,506, Nov. 30; Serial No. 521,112, published Aug. 24, 1948.
Shields, Dress. Rand Rubber Company, Inc. 504,445, Nov. 30; Serial No. 546,792, published Aug. 10, 1948.
Tape, Bias, ric-rack braid, blanket binding. Economy Bias Binding Co., Inc. 504,353, Nov. 30; Serial No. 534,006, published Aug. 10, 1948.
Tapes and bindings. Krout & Fite Manufacturing Company. 73,109, re-renewed Mar. 16, 1949. O. G. Nov. 30.
Tapes for venetian blinds, Ladder. International Braid Company. 504,391, Nov. 30; Serial No. 539,956, published Aug. 10, 1948.
Thimbles, Sewing. Shaw & Lucas, Inc. 504,407, Nov. 30; Serial No. 541,206, published Aug. 17, 1948.
Wigs, Hair, toupees, and human hair braids and curls. Tucciarone, Biagio, & Co., Inc. 504,464, Nov. 30; Serial No. 549,497, published Sept. 7, 1948.

CLASS 41

Umbrellas. G. Center. 441,490–1, Nov. 30; Serial Nos. 517,611–12, published Aug. 10, 1948.

CLASS 42

Cloths and worsteds. Schwarzwaekler Company. 72,292, re-renewed Jan. 12, 1949. O. G. Nov. 30.
Crepe in the piece, Artificial-silk. Stunzi Sons Silk Company, Inc. 252,791, renewed Feb. 12, 1949. O. G. Nov. 30.
Dress goods and dress fabrics, Woolen. Atlantic Mills. 235,036, Nov. 8, 1927. Republished Nov. 30.
Dress goods and dress fabrics, Woolen. Atlantic Mills. 235,061, Nov. 8, 1927. Republished Nov. 30.
Fabrics in the piece made of rayon. Pondel Fabrics, Inc. 400,634, Mar. 23, 1943. Canceled Oct. 15, 1948. O. G. Nov. 30.
Fabrics in the piece, Silk. Onondaga Silk Company, Inc. 298,701, Nov. 1, 1932. Republished Nov. 30.
Fabrics in the piece, Silk. Onondaga Silk Company, Inc. 300,523, Jan. 24, 1933. Republished Nov. 30.
Fabrics in the piece, Woolen and worsted. D. W. Farnsworth. 383,522, Dec. 10, 1940. Republished Nov. 30.
Fabrics in the piece, Woolen textile. Atlantic Mills. 231,744, Aug. 23, 1927. Republished Nov. 30.
Piece goods and bedspreads, Cotton. Bates Manufacturing Company. 243,510, renewed June 26, 1948. O. G. Nov. 30.
Piece goods and curtains. Powdrell & Alexander, Inc. 252,769, renewed Feb. 12, 1949. O. G. Nov. 30.
Piece goods, Cotton. Rice-Stix Dry Goods Company. 504,521, Nov. 30; Serial No. 534,194.
Piece goods, Cotton and woolen. Detmer Woolen Company. 66,569, Dec. 10, 1907. Republished Nov. 30.
Piece goods of nylon, Waterproof, coated. Feist Fabrics, Inc. 504,487, Nov. 30; Serial No. 490,585.
Piece goods, Silk. Onondaga Silk Company, Inc. 331,410, Jan. 7, 1936. Republished Nov. 30.
Pillow cases. Oneida Bleachery, Inc. 420,298, Apr. 2, 1946. Republished Nov. 30.
Rugs, Knitted. Quaker Maid Mills. 424,733, Oct. 22, 1946. Republished Nov. 30.
Towels, Turkish. Boott Mills. 245,674, renewed Aug. 21, 1948. O. G. Nov. 30.
Yarn fabrics, Wide woven silk, wool, rubber, cotton, synthetic and metal. Sidney J. Gluck Mfg. Co. Inc. 504,519, Nov. 30; Serial No. 532,009.

CLASS 43

Cordé. Fraser Manufacturing Co. Inc. 504,379, Nov 30; Serial No. 537,683, published Aug. 10, 1948.
Spool-cotton, sewing-cotton, and thread. American Thread Company. 67,860–1, re-renewed Feb. 25, 1948. O. G. Nov. 30.
Thread, Cotton. General Thread Mills, Inc. 504,264, Nov. 30; Serial No. 513,176, published Aug. 10, 1948.
Thread, Metallic covered. Freydberg Bros.-Strauss, Inc. 504,457, Nov. 30; Serial No. 548,494, published Aug. 31, 1948.
Threads and artificial silk threads, Silk. Belding Heminway Company. 504,358, Nov. 30; Serial No. 535,462, published Aug. 10, 1948.
Threads, Silk and artificial silk. Belding Heminway Company. 504,359, Nov. 30; Serial No. 535,463, published Aug. 10, 1948.
Yarn. Dorgin Textile Corporation. 504,460, Nov. 30; Serial No. 548,941, published Sept. 7, 1948.
Yarn. Jaymor Yarn Corporation. 504,376, Nov. 30; Serial No. 537,320, published Aug. 10, 1948.
Yarn. Spinnerin Yarn Co., Inc. 504,466, Nov. 30; Serial No. 549,761, published Sept. 7, 1948.
Yarn. Spinnerin Yarn Co., Inc. 504,467, Nov. 30; Serial No. 549,762, published Sept. 7, 1948.
Yarns. Burlington Mills Corporation. 504,523, Nov. 30; Serial No. 541,075.
Yarns. Durene Association of America. 504,486, Nov. 30; Serial No. 550,316, published Sept. 7, 1948.
Yarns and machine knitting yarns, Hand knitting. Botany Mills, Inc. 504,507, Nov. 30; Serial No. 523,099.
Yarns and threads. Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann. 504,301, Nov. 30; Serial No. 528,874, published Aug. 10, 1948.
Yarns and threads, Cotton, rayon, wool, worsted, and tinsel. Z. B. Yarn Mills. 248,862–3, renewed Oct. 30, 1948. O. G. Nov. 30.
Yarns and threads of fibers. Societe Rhodiaceta. 182,400, renewed Apr. 8, 1944. O. G. Nov. 30.
Yarns, Art needlework. Fleisher Yarns, Inc. 504,458, Nov. 30; Serial No. 548,649, published Sept. 7, 1948.
Yarns, Cotton. Burlington Mills Corporation. 504,442, Nov. 30; Serial No. 546,357, published Sept. 7, 1948.
Yarns, Woolen knitting. Sam Smith Shelf Ltd. 441,500, Nov. 30; Serial No. 519,492, published Aug. 17, 1948.

CLASS 44

Files and tweezers, Manicuring, corn and cuticle knives and nippers, corn chisels, and nail nippers. H. Wester. 504,431, Nov. 30; Serial No. 543,241, published Aug. 24, 1948.
Manicure articles. H. C. Bates. 336,370, July 7, 1936. Republished Nov. 30.
Manicure kits. H. C. Batees. 395,996, June 23, 1942. Republished Nov. 30.
Medical and surgical supplies. John Heathcoat & Co. 441,502, Nov. 30; Serial No. 519,953, published Aug. 31, 1948.
Medical electronic equipment. R. J. Lindquist. 504,291, Nov. 30; Serial No. 528,087, published Aug. 31, 1948.
Medical instruments, Diagnostic. U. M. A. Inc. 441,523, Nov. 30; Serial No. 507,353.
Nail files. H. C. Bates. 333,008, Mar. 10, 1936. Republished Nov. 30.
Prostheses, Dental. Coe Laboratories, Inc. 377,919, May 21, 1940. Republished Nov. 30.
Surgical adhesive bandages, Protective. Johnson & Johnson. 441,459, Nov. 30; Serial No. 503,296, published Feb. 10, 1948.

CLASS 45

Beer, Birch, root beer, lemon soda, etc. Country Club Soda Company, Inc. 126,831, Oct. 7, 1919. Republished Nov. 30.
Beverage base, Powdered. Mutual Citrus Products Company. 402,099, June 29, 1943. Republished Nov. 30.
Beverages, etc, Nonalcoholic. M. Krim. 276,210, Oct. 14, 1930. Canceled Aug. 11, 1948. O. G. Nov. 30.
Beverages, Maltless, nonalcoholic. Gray & Company. 366,017, Mar. 28, 1939. Republished Nov. 30.
Beverages, Maltless, nonalcoholic. Gray & Company. 372,070, Oct. 24, 1939. Republished Nov. 30.
Beverages, Non-alcoholic, noncereal maltless. Mission Dry Corporation, Ltd. 296,449, Aug. 9, 1932. Republished Nov. 30.
Lemon juice drink and syrup, Non-alcoholic, maltless. Jacob Ries Bottling Works, Inc. 326,545, July 23, 1935. Republished Nov. 30.
Table-waters, Still and effervescent, mineral waters, etc. Jacob Ries Bottling Works, Inc. 136,602, Nov. 2, 1920. Republished Nov. 30, 1948.

CLASS 46

Almond paste. H. Heide. 54,938, Aug. 7, 1906. Republished Nov. 30.
Apple butter, preserves, and jellies. J. M. Smucker Co. 322,183, Feb. 26, 1935. Republished Nov. 30.
Apple juice. Berks-Lehigh Cooperative Fruit Growers, Inc. 386,595, Apr. 15, 1941. Republished Nov. 30.
Bread and breakfast cereal. Centennial Flouring Mills Co. 381,325, Sept. 17, 1940. Republished Nov. 30.
Butter. Dublin Creamery Company, Inc. 328,668, Oct. 1, 1935. Republished Nov. 30.
Butter, eggs, and cheese. Tilden Produce Company. 247,357, renewed Sept. 25, 1948. O. G. Nov. 30.
Cakes. Frank G. Shattuck Company. 240,053, Mar. 20, 1928. Republished Nov. 30.
Cake. Ward Baking Company. 249,813, renewed Nov. 20, 1948. O. G. Nov. 30.
Cakes, pies, pastry, etc. J. M. Shattuck. 409,246, Sept. 26, 1944. Republished Nov. 30.
Candies. Henry Heide, Incorporated. 220,367, Nov. 9, 1926. Republished Nov. 30.
Candies. Peerless Confection Company. 174,660, Oct. 23, 1923. Republished Nov. 30.
Candies. Peerless Confection Company. 175,079, Oct. 30, 1923. Republished Nov. 30.
Candies, All forms of. H. Heide. 58,790, Dec. 25, 1906. Republished Nov. 30.
Candies, bakers' pastes, and cake-fillers, etc. H. Heide. 103,102, Mar. 16, 1915. Republished Nov. 30.
Candies, candied nut products. Henry Heide, Incorporated. 243,976, July 3, 1928. Republished Nov. 30.
Candies, candied nut products. Henry Heide, Incorporated. 293,766, May 3, 1932. Republished Nov. 30.
Candies, cocoa, and chocolate. H. Heide. 105,052, July 6, 1915. Republished Nov. 30.
Candies, Hard, and filled confections. Peerless Confection Company. 202,181, Aug. 18, 1925. Republished Nov. 30.
Candy. F. M. Hoyt. 186,139, July 1, 1924. Republished Nov. 30.

Candy. Peerless Confection Company. 336,677, July 14, 1936. Republished Nov. 30.
Candy. Frank G. Shattuck Company. 226,967, Apr. 26, 1927. Republished Nov. 30.
Candy, Mint. Peerless Confection Company. 220,103, Nov. 2, 1926. Republished Nov. 30.
Canned citrus fruit juice. Mutual Citrus Products Company. 329,321, Oct. 22, 1935. Republished Nov. 30.
Canned citrus fruits and canned citrus juices. Floridagold Citrus Corporation. 345,057, Apr. 13, 1937. Republished Nov. 30.
Canned dog and cat food. A. J. Gahan. 303,904, Jan. 13, 1933. Republished Nov. 30.
Canned evaporated milk. Litchfield Creamery Co. 265,695, Jan. 7, 1930. Republished Nov. 30.
Canned fish. Central Canning Co. A. S. 260,163, Aug. 20, 1929. Republished Nov. 30.
Canned fish. Franco-Italian Packing Company. 382,494, Oct. 29, 1940. Republished Nov. 30.
Canned fish. Franco-Italian Packing Company. 407,947, July 11, 1944. Republished Nov. 30.
Canned fish. French Sardine Company of California. 374,481, Jan. 9, 1940. Republished Nov. 30.
Canned fish. French Sardine Company of California. 381,518, Sept. 24, 1940. Republished Nov. 30.
Canned fish. Pacific Trading Co., Inc. 247,681, renewed Oct. 2, 1948. O. G. Nov. 30.
Canned fish, canned fruits, canned vegetables, etc. Haas, Baruch & Co. 243,930, July 3, 1928. Republished Nov. 30.
Canned fruits and vegetables. Southern Packing Co., Inc. 265,543, May 21, 1929. Republished Nov. 30.
Canned grapefruit. Floridagold Citrus Corporation. 285,838, Aug. 11, 1931. Republished Nov. 30.
Canned peaches, pears, cherries, etc. Aunt Nellie's Farm Kitchen, Inc. 270,935, May 20, 1930. Republished Nov. 30.
Canned peas. Aunt Nellie's Farm Kitchen, Inc. 281,949, Apr. 7, 1931. Republished Nov. 30.
Canned peas, canned corn, canned beans, etc. Aunt Nellie's Farm Kitchen, Inc. 255,953, Apr. 30, 1929. Republished Nov. 30.
Canned peas, canned corn, canned beets, etc. Aunt Nellie's Farm Kitchen, Inc. 245,916, Aug. 28, 1928. Republished Nov. 30.
Canned sardines. French Sardine Company of California. 334,190, Apr. 21, 1936. Republished Nov. 30.
Canned vegetables. Green Bay Canning Corporation. 425,839, Dec. 3, 1946. Republished Nov. 30.
Canned vegetables. Olympia Canning Company. 252,308, renewed Jan. 29, 1949. O. G. Nov. 30.
Canned vegetables. Taylor & Caldwell. 252,789, renewed Feb. 12, 1949. O. G. Nov. 30.
Canned vegetables and fruits, canned evaporated milk, catchup, etc. D. S. Williams. 202,871, Sept. 8, 1925. Republished Nov. 30.
Canned vegetables, canned milk, catchup, etc. D. S. Williams. 172,640, Sept. 11, 1923. Republished Nov. 30.
Cat food. French Sardine Company of California. 388,570. July 1, 1941. Republished Nov. 30.
Cereal breakfast food, bread, biscuits, etc. Roman Meal Company. 251,517, Jan. 8, 1929. Republished Nov. 30.
Cheese. Clyman Farms, Inc. 405,583, Feb. 8, 1944. Republished Nov. 30.
Cheese. Gerber & Co., Inc. 251,045, renewed Dec. 25, 1948. O. G. Nov. 30.
Cheese, Full-cream. F. Grunert. 73,943, June 1, 1909. Republished Nov. 30.
Chili sauce, catsup, finger peppers, etc. M. Rom & Sons Company, Inc. 369,862, Aug. 8, 1939. Republished Nov. 30.
Chocolates and candies. E. Greenfield's Sons. 170,088, July 10, 1923. Republished Nov. 30.
Chocolates and candies. E. Greenfield's Sons. 170,495, July 17, 1923. Republished Nov. 30.
Cocoa, chocolate, chocolate candy, etc. Chocolat Suchard Societe Anonyme. 343,662, Mar. 2, 1937. Republished Nov. 30.
Coffee. General Grocer Company. 337,520, Aug. 11, 1936. Republished Nov. 30.
Coffee and tea. Meyer Foote & Dayton Co. 99,769, Sept. 15, 1914. Republished Nov. 30.
Coffee, Green. J. A. Medina Company. 253,610, renewed Mar. 5, 1949. O. G. Nov. 30.
Coffee, salad dressing, Thousand Island dressing, etc. Maury-Cole Company. 214,065, renewed Jan. 5, 1948. O. G. Nov. 30.
Coffee, sliced beef, mayonnaise, etc. D. S. Williams. 243,233, June 12, 1928. Republished Nov. 30.
Coffee, tea, cocoa, etc. Jewett & Sherman Co. 432,573, Sept. 9, 1947. Republished Nov. 30.
Corn oil and mayonnaise, Refined. Capital City Products Company. 282,672, Apr. 28, 1931. Republished Nov. 30.
Cottonseed oil, Flaked hydrogenated. Interstate Cotton Oil Refining Co. 342,471, Jan. 19, 1937. Republished Nov. 30.
Feed, Dairy. J. T. Gibbons, Inc. 419,614, Feb. 26, 1946. Republished Nov. 30.
Feed, Dairy. Maritime Milling Company, Inc. 234,023, Oct. 18, 1927. Republished Nov. 30.
Feed for horses and mules, scratch feed for poultry, and pigeon feed. J. T. Gibbons, Inc. 421,306, May 28, 1946. Republished Nov. 30.
Feed, Poultry and stock. Maritime Milling Co. Inc. 204,081, Oct. 6, 1925. Republished Nov. 30.
Feed, Stock, chicken feed and dairy feed. Texas Farm Products Company. 295,169, July 21, 1932. Republished Nov. 30.
Feeds for poultry, Scratch. J. T. Gibbons, Inc. 419,319, Feb. 12, 1946. Republished Nov. 30.
Feeds, Poultry. Maritime Milling Co. Inc. 297,592, Sept. 20, 1932. Republished Nov. 30.
Flour, Self-rising. Seattle Grain Co. 117,613, July 17, 1917. Republished Nov. 30.
Flour, Self-rising. Seattle Grain Company. 126,898, Oct. 7, 1919. Republished Nov. 30.
Flour, Self-rising. Sprague Roller Mills. 176,719, Nov. 27, 1923. Republished Nov. 30.
Flour, Self-rising. Washington Grain and Milling Co. 114,041, Nov. 14, 1916. Republished Nov. 30.
Flour, Self-rising wheat. Centennial Mill Co. 114,700, Jan. 2, 1917. Republished Nov. 30.
Flour, Self-rising wheat. Centennial Mill Co. 119,258, Nov. 13, 1917. Republished Nov. 30.
Flour, Self-rising wheat. Centennial Mill Co. 122,065, June 25, 1918. Republished Nov. 30.
Flour, Wheat. Centennial Flouring Mills Company. 345,324, Apr. 20, 1937. Republished Nov. 30.
Flour, Wheat. Centennial Flouring Mills Company. 345,433. Apr. 27, 1937. Republished Nov. 30.
Flour, Wheat. Centennial Flouring Mills Company. 347,923, July 13, 1937. Republished Nov. 30.
Flour, Wheat. Centennial Mill Co. 88,397, Sept. 17, 1912. Republished Nov. 30.
Flour, Wheat. Centennial Mill Co. 117,517, July 17, 1917. Republished Nov. 30.
Flour, Wheat. Centennial Mill Company. 123,979, Dec. 31, 1918. Republished Nov. 30.
Flour, Wheat. Centennial Mill Co. 141,512, Apr. 26, 1921. Republished Nov. 30.
Flour, Wheat. Centennial Mill Company. 152,705, Mar. 7, 1922. Republished Nov. 30.
Flour, Wheat. Commander Milling Company. 253,860, renewed Mar. 5, 1949. O. G. Nov. 30.
Flour, Wheat. King Milling Co. 102,117, Jan. 26, 1915. Republished Nov. 30.
Flour, Wheat. Ritzville Flouring Mills. 119,377, Nov. 13, 1917. Republished Nov. 30.
Flour, Wheat. Seattle Grain Co. 117,065, June 12, 1917. Republished Nov. 30.
Flour, Wheat. Tacoma Grain Co. 191,938, Nov. 25, 1924. Republished Nov. 30.
Flour, Wheat. Wenatchee Milling Co. 117,622, July 17, 1917. Republished Nov. 30.
Flour, Wheat, canned vegetables, canned fruits, etc. Interstate Cotton Oil Refining Co. 367,965, June 6, 1939. Republished Nov. 30.
Flour, Wheat, self-rising flour, buckwheat-flour compound, etc. Valley City Milling Company. 282,225, Apr. 14, 1931. Republished Nov. 30.
Food, Dog. Maritime Milling Co. Inc. 344,267, Mar. 16, 1937. Republished Nov. 30.
Food, Dog. Maritime Milling Co. Inc. 372,136, Oct. 24, 1939. Republished Nov. 30.
Food products, etc., Prepared. Nordic Baking and Importing Company. 387,322. May 13, 1941. Canceled Oct. 29, 1948. O. G. Nov. 30.
Fruit base, Powdered. Mutual Citrus Products Company. 408,701, Aug. 29, 1944. Republished Nov. 30.
Fruits and fresh deciduous fruits, Fresh citrus. E. L. Barr. 322,703, Mar. 19, 1935. Republished Nov. 30.
Fruits and fresh vegetables, Fresh. P. Phillips. 102,584, Feb. 16, 1915. Republished Nov. 30.
Fruits and fresh vegetables, Fresh citrus. Polis & Hagan. 418,035, Nov. 27, 1945. Republished Nov. 30.
Fruits, First quality of fresh deciduous. Yakima County Horticultural Union. 100,940, Oct. 27, 1914. Republished Nov. 30.
Fruits, Fresh citrus. Anaheim Citrus Fruit Association. 253,541, renewed Feb. 26, 1949. O. G. Nov. 30.
Fruits, Fresh citrus. Chula Vista Citrus Association. 253,859, renewed Mar. 5, 1949. O. G. Nov. 30.
Fruits, Fresh citrus, fresh vegetables, fresh deciduous fruits, etc. Randolph Marketing Company. 299,833, Dec. 27, 1932. Republished Nov. 30.
Fruits, Fresh deciduous. E. L. Barr. 326,864, Aug. 6, 1935. Republished Nov. 30.
Fruits, Fresh deciduous. C. C. Smith. 308,664, Dec. 12, 1933. Republished Nov. 30.
Grapefruit and orange segments. Floridagold Citrus Corporation. 345,625, May 4, 1937. Republished Nov. 30.
Grape-sugar and corn sugar. Corn Products Refining Company. 72,187, re-renewed Jan. 5, 1949. O. G. Nov 30.
Grapes, Fresh. Dulcich Brothers. 504,516–17, Nov. 30; Serial Nos. 530,478–9.
Grapes, Fresh and fresh deciduous fruits. E. L. Barr. 350,646, Oct. 5, 1937. Republished Nov. 30.
Jams, fruit preserves, marmalade, etc. W. P. Hartley, Limited. 366,361, Apr. 11, 1939. Republished Nov. 30.

Jellies, Fruit, fruit jams, fruit preserves, etc. Old Virginia Packing Company, Inc. 429,831, May 20, 1947. Republished Nov. 30.
Knackebrod. Nordic Baking and Importing Company. 398,667, Nov. 17, 1942. Canceled Oct. 29, 1948. O. G. Nov. 30.
Lard substitute. Interstate Cotton Oil Refining Co. 117,149, June 19, 1917. Republished Nov. 30.
Lard substitute. Interstate Cotton Oil Refining Co. 354,633, Feb. 15, 1938. Republished Nov. 30.
Mash, Chick, chick feed, growing mash, etc. Bossemeyer Bros. 344,371, Mar. 23, 1937. Republished Nov. 30.
Meal, Fish, used in health ration for poultry, livestock, dog and cat food. Franco-Italian Packing Company. 386,565, Apr. 15, 1941. Republished Nov. 30.
Meal pellets, Dog. Centennial Flouring Mills Company. 382,686, Nov. 5, 1940. Republished Nov. 30.
Milk, Special vitamin A and vitamin D enriched evaporated. Page Milk Co. 431,162, July 15, 1947. Republished Nov. 30.
Nuts, Salted. F. M. Hoyt. 114,355, Dec. 12, 1916. Republished Nov. 30.
Oleomargarin. Blanton Manufacturing Company. 69,352, re-renewed June 9, 1948. O. G. Nov. 30.
Oleomargarine. Ed. S. Vail Butterine Co. 182,106, Apr. 1, 1924. Republished Nov. 30.
Olive-oil. G. Ehrat. 71,374, re-renewed Nov. 24, 1948. O. G. Nov. 30.
Orange and grapefruit, Fresh. G. W. Clapp. 295,258, June 21, 1932. Canceled Oct. 22, 1948. O. G. Nov. 30.
Peanut butter. F. M. Hoyt. 67,578, Feb. 11, 1908. Republished Nov. 30.
Rations for cows, horse feed, dog feed, etc. Verity Mills, Inc. 429,528, May 6, 1947. Republished Nov. 30.
Sauce, Pepper. Maury-Cole Company. 233,460, re-renewed Jan. 5, 1948. O. G. Nov. 30.
Sherbet base. Mission Dry Corporation. 409,505–6, Oct. 10, 1944. Republished Nov. 30.
Shortening. Interstate Cotton Oil Refining Co. 117,150, June 19, 1917. Republished Nov. 30.
Shortening. Interstate Cotton Oil Refining Company. 133,999, Aug. 10, 1920. Republished Nov. 30.
Shortening and hydrogenated oil, Vegetable oil. Interstate Cotton Oil Refining Co. 421,225, May 21, 1946. Republished Nov. 30.
Shortening compound. Interstate Cotton Oil Refining Co. 118,783, Oct. 2, 1917. Republished Nov. 30.
Shortening, Cotton seed oil. Interstate Cotton Oil Refining Co. 121,449, Apr. 30, 1918. Republished Nov. 30.
Shortening made from cottonseed oil. Interstate Cotton Oil Refining Co. 205,183, Nov. 3, 1925. Republished Nov. 30.
Shortening, Vegetable oil. Interstate Cotton Oil Refining Co. 367,645, May 23, 1939. Republished Nov. 30.
Shortening, Vegetable oil. Interstate Cotton Oil Refining Co. 422,222–3, July 9, 1946. Republished Nov. 30.
Sirup, Table. Robinson Syrup Company. 233,423, Sept. 27, 1927. Republished Nov. 30.
Stock feed, horse feed, dairy feed, etc. Barber & Bennett, Inc. 130,633, May 4, 1920. Republished Nov. 30.
Stock food. Maritime Trading Corporation. 127,286, Nov. 4, 1919. Republished Nov. 30.
Vegetables and melons, Fresh. Randolph Marketing Company. 340,938, Nov. 24, 1936. Republished Nov. 30.
Wheat-flour. Centennial Mill Company of Tenn. 140,769, Mar. 29, 1921. Republished Nov. 30.
Wheat-flour. Tacoma Grain Company. 73,848, May 25, 1909. Republished Nov. 30.
Wheat-flour. Tacoma Grain Company. 110,518, May 30, 1916. Republished Nov. 30.
Wheat-flour. Tacoma Grain Company. 138,719, Jan. 4, 1921. Republished Nov. 30.
Wheat-flour. Washington Grain and Milling Co. 124,427, Feb. 11, 1919. Republished Nov. 30.
Wheat-flour and self-rising flour. Sprague Roller Mills. 139,633–4, Feb. 8, 1921. Republished Nov. 30.

CLASS 47

Wines. G. Val. 313,628, June 5, 1934. Republished Nov. 30.
Wines. G. Val. 349,369, Aug. 24, 1937. Republished Nov. 30.
Wines. G. Val. 349,370, Aug. 24, 1937. Republished Nov. 30.

CLASS 48

Ale. William Simon Brewery. 314,422, June 26, 1934. Republished Nov. 30.
Beer. Mount Carbon Manufacturing and Supply Company. 414,104, May 29, 1945. Republished Nov. 30.
Beer. Terre Haute Brewing Company, Inc. 364,195, Jan. 24, 1939. Republished Nov. 30.
Beer. Terre Haute Brewing Company, Inc. 375,124, Feb. 6, 1940. Republished Nov. 30.
Beer and ale. William Simon Brewery. 315,354, July 24, 1934. Republished Nov. 30.
Beer, stout, and malt extract. Stroh Brewery Company. 70,922, re-renewed Oct. 13, 1948. O. G. Nov. 30.

CLASS 49

Brandies. G. Val. 312,991, May 15, 1934. Republished Nov. 30.
Whiskey. B. P. Lilienthal. 310,242, Feb. 13, 1934. Republished Nov. 30.
Whiskey. Country Club Soda Company, Inc. 321,546, Feb. 5, 1935. Republished Nov. 30.

CLASS 50

Altars, Composition. Daprato Statuary Company. 504,284, Nov. 30; Serial No. 527,243, published Aug. 24, 1948.
Artistic creations for the display of merchandise in store windows and on store counters, etc. Small. Design for Display, Inc. 441,508, Nov. 30; Serial No. 521,647, published Aug. 17, 1948.
Carpet cushions and hair-felt seat cushions, Hair-felt. American Hair & Felt Company. 263,747, Nov. 12, 1929. Republished Nov. 30.
Carpet cushions and hair felt seat cushions, Hair felt. American Hair & Felt Company. 324,578, May 21, 1935. Republished Nov. 30.
Carpet cushions, Hair. American Hair & Felt Company. 262,347, Oct. 8, 1929. Republished Nov. 30.
Carpet cushions, Hair and hair seat cushions. American Hair Felt Co. 172,349, Aug. 28, 1923. Republished Nov. 30.
Carpet cushions, Hair-felt and hair-felt seat cushions. American Hair & Felt Company. 262,427, Oct. 8, 1929. Republished Nov. 30.
Carpet cushions, Hair-felt and hair-felt seat cushions. American Hair & Felt Company. 322,961, Mar. 26, 1935. Republished Nov. 30.
Carpets or rugs, Felt. American Hair & Felt Company. 336,696, July 14, 1936. Republished Nov. 30.
Closures for receptacles, Metallic. Crown Cork & Seal Company, Inc. 504,437, Nov. 30; Serial No. 544,519, published Aug. 17, 1948.
Discs, Cork. Mundet Cork Corporation. 441,507, Nov. 30; Serial No. 521,594, published Aug. 31, 1948.
Door-plates, Enameled metal. Ingram-Richardson Manufacturing Company. 106,233, Oct. 19, 1915. Republished Nov. 30.
Felt. American Hair Felt Co. 169,084, June 5, 1923. Republished Nov. 30.
Felts for miniature golf courses. American Hair & Felt Company. 282,766, Apr. 28, 1931. Republished Nov. 30.
Garment hangers. L. H. Zeuthen. 429,313, Apr. 29, 1947. Republished Nov. 30.
Garment hangers and cardboard anticreasing guards therefor. Greif Bros. Cooperage Corporation. 440,175, Aug. 17, 1948. Corrected. O. G. Nov. 30.
Kit containing a metal polish, sponge, chamois, etc. J. A. Wright & Co. 336,201–2, June 30, 1936. Republished Nov. 30.
Screen, Plastic coated metal wire. N. J. Brown. 441,444, Nov. 30; Serial No. 493,738, published Aug. 24, 1948.
Service insignia. American Emblem Company. 441,477, Nov. 30; Serial No. 513,093, published Aug. 17, 1948.
Signs, Enameled metal. Ingram-Richardson Manufacturing Company. 105,851, Aug. 24, 1915. Republished Nov. 30.
Underlining for floor coverings. American Hair & Felt Company. 286,584, Sept. 1, 1931. Republished Nov. 30.

CLASS 55

Banking and acting as a fiduciary, Services of. Tradesmens National Bank and Trust Company. 504,484, Nov. 30; Serial No. 530,038, published Aug. 17, 1948.
Small loan, instalment loan and instalment credit business, Services rendered in the. Beneficial Industrial Loan Corporation. 504,480, Nov. 30; Serial No. 527,263, published July 27, 1948.
Small loan, instalment loan and instalment credit business, Services rendered in the. Beneficial Industrial Loan Corporation. 504,481, Nov. 30; Serial No. 527,265, published July 13, 1948.
Small loan, instalment loan and instalment credit business, Services rendered in the. Beneficial Industrial Loan Corporation. 504,482, Nov. 30; Serial No. 527,268, published Aug. 31, 1948.
Small loan, instalment loan and instalment credit business, Services rendered in the. Beneficial Industrial Loan Corporation. 504,483, Nov. 30; Serial No. 527,273, published Aug. 31, 1948.
Trucking, Freight. Direct Transit Lines, Inc. 504,485, Nov. 30; Serial No. 535,227, published Aug. 31, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Davidson, Glenn, Aurora, Ill. Adhesives from vegetable proteinous material. Re. 23,052, Nov. 30.
Mentley, Max B., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing. Re. 23,053, Nov. 30.
National Broach & Machine Company, assignee: *See*— Mentley, Max B.

LIST OF PLANT PATENTEES

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 811, Nov. 30.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark,, N. Y. Rose plant. 812, Nov. 30.
Jackson & Perkins Company, assignee: See— Boerner, Eugene S.

LIST OF DESIGN PATENTEES

Air-O-Tomic, Inc., assignee: *See*— La Barre, Dwight, and Ornas.
Arpels, Claude, New York, N. Y. Brooch or similar article. 151,864, Nov. 30.
Arpels, Claude, New York, N. Y. Brooch or similar article. 151,865, Nov. 30.
Arpels, Claude, New York, N. Y. Bracelet or similar article. 151,866, Nov. 30.
Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Earring. 151,867, Nov. 30.
Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Brooch or similar article. 151,868, Nov. 30.
Bogoff, Henry, Chicago, Ill. Link bracelet. 151,869, Nov. 30.
Bradley, Elizabeth K., New York, N. Y., assignor to B. D. Gilbert, Stamford, Conn. Slipper. 151,870, Nov. 30.
Carapellotti, Charles J., Philadelphia, Pa. Ravioli. 151,871, Nov. 30.
Carssow, Harriet F., assignee: *See*— Carssow, John F.
Carssow, John F., Los Angeles, Calif., assignor to R. B. and H. F. Carssow, San Antonio, Tex. Water compass sundial. 151,872, Nov. 30.
Carssow, Rudolf B., assignee: *See*— Carssow, John F.
Cohn, Herbert, Baltimore, Md. Door knocker. 151,873, Nov. 30.
Cole, Charles W., Los Angeles, Calif. Tie clasp. 151,874, Nov. 30.
Coro, Inc., assignee: *See*— Katz, Adolph.
Crabdree, Glenn J., Farmington, Mo. Fishing lure. 151,875, Nov. 30.
D'Arcy, James M., assignee: *See*— Rose, Alexander.
Dunlop Tire and Rubber Corporation, assignee: *See*— Hardeman, William E., and Parker.
Eastman Kodak Company, assignee: *See*— Van Dyck, Kenneth A.
Edwards, Harley W., Groton, Vt. Insulator applying and removing hammer. 151,876, Nov. 30.
Erwin, Darrett S., Sarasota, Fla. Lamp standard or similar article. 151,877, Nov. 30.
Fitz Gerald, Harold G., Los Angeles, Calif. Projector for handling transparent plates. 151,878, Nov. 30.
Foulke, Louise M. J., Brooklyn, N. Y. Toy wheeled barge. 151,879, Nov. 30.
Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 151,880, Nov. 30.
Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 151,881, Nov. 30.
Friedman, Max, New York, N. Y. Hat or similar article. 151,882, Nov. 30.
Friedman, Max, New York, N. Y. Hat or similar article. 151,883, Nov. 30.
Gilbert, Benjamin D., assignee: *See*— Bradley, Elizabeth K.
Graham, Elizabeth N., New York, N. Y. Container for perfumed bath tablets or the like. 151,884, Nov. 30.
Haft, Morris W., & Bros., Inc., assignee: *See*— Freedman, Jules.
Hamilton, Josef N., Bellingham, Wash. Bathing suit. 151,885, Nov. 30.
Hardeman, William E., Solihull, and S. C. Parker, Erdington, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire. 151,886, Nov. 30.
Jewett & Sherman Co., Inc., assignee: *See*— Smith, Frasier.
Kaplan, Karl, New York, N. Y. Slip. 151,887, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,888, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,889, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,890, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,891, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,892, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,893, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,894, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,895, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,896, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,897, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,898, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,899, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 151,900, Nov. 30.
Katz, Adolph, Providence, R. I. Necklace or similar article. 151,901, Nov. 30.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 151,902, Nov. 30.
Katz, Adolph, Providence, R. I. Bracelet or similar article. 151,903, Nov. 30.
Katz, Adolph, Providence, R. I. Bracelet or similar article. 151,904, Nov. 30.
Kronmiller, Carl G., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Clock thermostat. 151,905, Nov. 30.
La Barre, Dwight, near Pontiac, and T. Ornas, Ferndale, assignors to Air-O-Tomic, Inc., Detroit, Mich. Space heater. 151,906, Nov. 30.

Landers, Frary & Clark, assignee: *See*—
Metz, Harry E.
McDonald, James D., Los Angeles, Calif. Switch escutcheon. 151,907, Nov. 30.
McElderry, Maurice M., Duluth, Minn. Pulpwood tongs or similar article. 151,908, Nov. 30.
Medgyes, Ladislas, assignor to Helena Rubinstein, Inc., New York, N. Y. Bottle. 151,909, Nov. 30.
Mellor, Adrien R., Loma Linda, Calif. Riding stick toy. 151,910, Nov. 30.
Metz, Harry E., assignor to Landers, Frary & Clark, New Britain, Conn. Electrical switching device or similar article. 151,911, Nov. 30.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Kronmiller, Carl G.
Myers, Lawrence: *See*—
Rose, Leo, Myers, and Richter.
Negbaur, H., & Co., assignee: *See*—
Treiss, Herman G.
Ornas, Theodore: *See*—
La Barre, Dwight, and Ornas.
Parker, Samuel C.: *See*—
Hardeman, William E., and Parker.
Partlow, James P., Youngstown, Ohio. Combined cigarette case and lighter. 151,912, Nov. 30.
Perfection Stove Company, assignee: *See*—
Raymond, David L.
Petry, Edward J., Jefferson City, Mo. Electric motor generator. 151,913, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,914, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,915, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,916, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,917, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 151,918, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 151,919, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,920, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,921, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,922, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,923, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,924, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 151,925, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,926, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,927, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,928, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,929, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,930, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,931, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,932, Nov. 30.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,933, Nov. 30.
Plehn, Henry M., New York, N. Y. Brassière. 151,934, Nov. 30.
Pyle, Richard M., Dallas, Tex. Heating casing. 151,935, Nov. 30.
Raymond, David L., South Euclid, assignor to Perfection Stove Company, Cleveland, Ohio. Water heater casing. 151,936, Nov. 30.
Reiner, Samuel J., New York, N. Y. Brassière. 151,937 Nov. 30.
Reinstein, Harry, Rye, N. Y. Necklace. 151,938, Nov. 30
Reinstein, Harry, Rye, N. Y. Necklace. 151,939, Nov. 30.
Richter, Moses: *See*—
Rose, Leo, Myers, and Richter.
Rose, Alexander, New York, assignor of one-half to J. M. D'Arcy, Brooklyn, N. Y. Brooch or similar article. 151,940, Nov. 30.
Rose, Leo, L. Myers, and M. Richter, Mount Gilead, N. C., assignors to United Mills Corporation. Slip. 151,941, Nov. 30.
Rothweiler, Charles O., Milwaukee, Wis. Astrolabe. 151,942, Nov. 30.
Rubinstein, Helena, Inc., assignee: *See*—
Medgyes, Ladislas.
Sapin, Bernard, New York, N. Y. Knitted sweater. 151,943, Nov. 30.
Shackelford, George E., West Columbia, Tex. Kite. 151,944, Nov. 30.
Smith, Frasier, Wheeling, W. Va., assignor to Jewett & Sherman Co., Inc., Milwaukee, Wis. Jar. 151,945, Nov. 30.
Spear Novelty Co., assignee: *See*—
Bogoff, Henry.
Treiss, Herman G., Brooklyn, assignor to H. Negbaur & Co., New York, N. Y. Table lighter. 151,946, Nov. 30.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
United Mills Corporation, assignee: *See*—
Rose, Leo, Myers, and Richter.
Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Optical comparator. 151,947, Nov. 30.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abeles, Paul W., London W. 11, England. Composite structural member. 2,455,153, Nov. 30.
Action Buffs, Inc., assignee: *See*—
Seelenfreund, Louis M.
Aerojet Engineering Corporation, assignee: *See*—
Mace, Harry W., and Chamberlain.
Vegt, Ernest J.
Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Fevold, Harry L., and Dimick.
Air Reduction Company, Incorporated, assignee: *See*—
Hoover, Charles O.
Aircraft-Marine Products, Inc., assignee: *See*—
Neijstrom, Kenneth.
Allen, Howard B., Jr., Chatham, assignor to National Union Radio Corporation, Newark, N. J. Cathode for electronic discharge devices. 2,455,287, Nov. 30.
Allen, Neal C. S., Bennington, Vt. Fruit juice extractor. 2,454,905, Nov. 30.
Allied Chemical & Dye Corporation, assignee: *See*—
Collins, George T.
Teeters, Wilber O., and Mueller.
Allis, Louis, Company, The, assignee: *See*—
Wieseman, Theodore R.
Alter, Harry, Company, The, assignee: *See*—
Cahensli, Martin T., Jr.
Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Umbrella. 2,455,288, Nov. 30.
Alvarez Patent Corporation, assignee: *See*—
Alvarez, Octavio J.
Amberg, Walter E., Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Paper cup and handle thereof. 2,454,906, Nov. 30.
American Can Company, assignee: *See*—
Nordquist, Ronald E. J.
American Car and Foundry Company, assignee: *See*—
Shields, Robert A.
American Cyanamid Company, assignee: *See*—
Pietzsch, Kurt F.
Scalera, Mario, and Forster.
Scalera, Mario, Lester, and Hardy.
Thurston, Jack T.
American Enka Corporation, assignee: *See*—
Meerdink, Gerhard J.
American Gas Association, Inc., assignee: *See*—
Starkey, Robert L., and Wight.
American Laundry Machinery Company, The, assignee: *See*—
Matthews, Albert, and Geriach.
Shaw, Julian C., and Blettner.
American Locomotive Company, assignee: *See*—
Weber, Theodore R.
American Optical Company, assignee: *See*—
Guellich, Gustav E.
American Seal-Kap Corporation of Delaware, assignee: *See*—
Goodwin, Carl W., and Martin.
American Seating Company, assignee: *See*—
Morgan, Erving B., and Clay.
American Viscose Corporation, assignee: *See*—
Kreamer, William H., Klingener, and Bauer.
Whytlaw, Graeme G.
Amino Acids, Inc., assignee: *See*—
Reyniers, James A.
Anderson, Earl I.: *See*—
Stolze, William J., and Anderson.
Anderson, George M., Highlands, N. J. Electrical connector. 2,454,760, Nov. 30.
Anderson, Joseph B., Washington, D. C. Apparatus for disseminating weather information. 2,455,209, Nov. 30.
Anderson, Joseph B., Washington, D. C. Apparatus for disseminating weather information. 2,455,210, Nov. 30.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Ice tray. 2,454,958, Nov. 30.
Apex Tool & Cutter Company, assignee: *See*—
Catlin, Louis F., Sr., Rourke, and Catlin, L. F., Jr.
Armco Steel Corporation, assignee: *See*—
Loveless, Donald L.
Armstrong, Wesley G., Yardville, N. J. Water fountain for poultry. 2,455,211, Nov. 30.
Arnall, Paul E., assignee: *See*—
Hayslip, Homer C.
Arnolt Corporation, assignee: *See*—
Larson, Raymond T.
Atlas Imperial Diesel Engine Co., assignee: *See*—
Laxo, Ed.
Attorney General of the United States: *See*—
Crespi, Silvio B.
Mayer, Ernest.
Atwood Vacuum Machine Company, The, assignee: *See*—
Schofield, Earl L., and Lustig.
Auda, Valentine, executor: *See*—
Ravella, Jean A.
Automatic Electric Laboratories, Inc., assignee: *See*—
McCreary, Harold J.
Avakian, Souren: *See*—
Martin, Gustav J., and Avakian.
Bader, Edward G., Hawthorne, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Contractile film spool. 2,454,984, Nov. 30.
Baierlein, George W., Springfield, Mass., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Fuel injection pump. 2,455,289, Nov. 30.
Baierlein, George W., Springfield, Mass., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Discharge valve assembly for fuel injector pumps. 2,455,290, Nov. 30.
Bailey, James R., Fort Worth, Tex. Shelf elevating mechanism for food containers. 2,455,154, Nov. 30.
Baima, Dominick B., Detroit, Mich. Fish lure. 2,455,155, Nov. 30.
Bakst, Myron: *See*—
Warner, Arthur J., and Bakst.
Balzi, Clemente, P. Juravcoff, and C. H. Ristenpart, San Francisco, Calif., said Balzi and said Juravcoff assignors to said Ristenpart. Desk drawer for typewriters, including elevating typewriter supports. 2,455,156, Nov. 30.
Barkley & Dexter, assignee: *See*—
Dexter, Robert G.
Barnes, Norman F., Schenectady, N. Y., assignor to General Electric Company. Optical apparatus for showing rotating parts at rest. 2,454,959, Nov. 30.
Barrow, Wilmer L., Concord, Mass., and W. W. Mieher, Mineola, N. Y., assignors to The Sperry Corporation. Ultra high frequency device. 2,454,761, Nov. 30.
Bartle, George R.: *See*—
Schoot, Donald E., and Bartle.
Barton, George G., assignor to Hartmann Company, Racine, Wis. Frame construction for soft-sided luggage. 2,454,985, Nov. 30.
Bauer, Alexander, assignee: *See*—
Hurst, George L.
Bauer, Ernest K.: *See*—
Kreamer, William H., Klingener, and Bauer.
Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator humidity control. 2,454,855, Nov. 30.
Baumner, William L., Jr., Jenkintown, Pa. Dispenser. 2,455,212, Nov. 30.
Bausch & Lomb Optical Company, assignee: *See*—
Flint, Edward F.
Oughton, Charles A., Sterling, and Turner.
Beals, Gillson W., assignor to The Miller Company, Meriden, Conn. Lighting fixture cover. 2,455,107, Nov. 30.
Beauregard, Hector, Utica, Mich. Electrode holder. 2,455,108, Nov. 30.
Becker, George L., assignee: *See*—
Mungall, Thomas, Sr.
Beckman, Arnold O., Altadena, assignor to National Technical Laboratories, South Pasadena, Calif. Variable resistance device. 2,454,986, Nov. 30.
Beckwith, Edwin L., West Newton, and C. P. MacIver, Stow, Mass., assignors to Beckwith Manufacturing Company, Dover, N. H. Process of making molded scabbards. 2,455,215, Nov. 30.
Beckwith Manufacturing Company, assignee: *See*—
Beckwith, Edwin L., and MacIver.
Beech Aircraft Corporation, assignee: *See*—
Pelley, Perry H.
Vint, Jesse L., Jr.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bode, Hendrik W.
Edwards, Paul G., and Herrington.
Fisher, Harold J.
Griest, Raymond H.
Pierce, John R.
Samuel, Arthur L.
Bell, Thomas W., Washington, D. C. Towel rack. 2,455,213, Nov. 30.
Belluche, Frank R., assignor to The Christensen Machine Company, Racine, Wis. Sheet feeding method and apparatus therefor. 2,454,762, Nov. 30.

Bendix Aviation Corporation, assignee: *See*—
Buxton, James E.
Holmes, William R.
Lawrence, Donald M.
Miller, Donald L.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Eaton, Wilfred A.
Vorech, Stephen.

Bennekou, Ingolf, Frederiksberg, assignor to Lovens Kemiske Fabrik v/Aug. Kongsted, Copenhagen, Denmark. Production of such glucosides of polyoxy compounds with cyclopentane-polyhydro-phenanthrene ring system as have at least one free oxy group in the sterine skeleton. 2,455,214, Nov. 30.

Benoit, Leon, assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Cellular carton. 2,455,291, Nov. 30.

Berkeley, Harrison C., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ice tray. 2,454,960, Nov. 30.

Better Packages Incorporated, assignee: *See*—
Sharpe, Everett E.

Bible, Paul, Hollis, Okla. Safety coupling pin for trailer hitches. 2,454,836, Nov. 30.

Biewen, John W.: *See*—
Stewart, Raymond R., and Biewen.

Bigelow, Charles A., Houston, Tex. Emergency aircraft exit for transport aircraft. 2,455,157, Nov. 30.

Bish, Edwin E., East Detroit, Mich. Clamp bracket. 2,454,857, Nov. 30.

Bishop, Herbert S., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical system for gauging a dimension by the width of a spark gap. 2,454,763, Nov. 30.

Blanton, Ray E., Tulsa, Okla. Vehicle wheel mounting. 2,455,216, Nov. 30.

Blettner, Harry E.: *See*—
Shaw, Julian C., and Blettner.

Blumenthal, Sol: *See*—
Smith, Cleveland S., Jr., and Blumenthal.

Bode, Hendrik W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Averaging mechanism. 2,455,035, Nov. 30.

Boeing Airplane Company, assignee: *See*—
Tatom, Raymond F.

Booth, Morris F., Alden, Mich. Method and apparatus for casting aluminum. 2,454,961, Nov. 30.

Borden, David M., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Control apparatus. 2,455,292, Nov. 30.

Borges, Alberto, Rio de Janeiro, Brazil. Joints of hollow beams. 2,455,217, Nov. 30.

Bowditch, Hoel L., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Mechanism for moving movable members. 2,455,326, Nov. 30.

Bowers, Frederick H., Kalamazoo, Mich. Fabricating merchandise holders and display devices. 2,455,109, Nov. 30.

Boyer, Hugh N., Canfield, Ohio. Traction device for tractors. 2,455,110, Nov. 30.

Boylan, Gypsy A., Rocky River, Ohio. Brassière. 2,455,036, Nov. 30.

Bradley Pulverizer Company, assignee: *See*—
Gibson, William A., and Mayer.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Wave guide coupling device. 2,455,158, Nov. 30.

Bradner, Donald B., Cincinnati, Ohio. Calculating machine. 2,454,987, Nov. 30.

Branstrator, Clem G., Fort Wayne, Ind. Door for vehicles. 2,455,293, Nov. 30.

Brassert, H. A., & Company, assignee: *See*—
Ramseyer, Charles F., and Brassert.

Brassert, Herman A.: *See*—
Ramseyer, Charles F., and Brassert.

Braucher, Harvey M., Baltimore, Md. Milling tool. 2,454,764, Nov. 30.

Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Electric headlamp projector and incandescent lamp therefor. 2,454,765, Nov. 30.

Bremer, Emil R., Alameda, Calif. Lawn washer and sprinkler support. 2,455,037, Nov. 30.

Bremner, John G. M., and D. G. Jones, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Purification of tetrahydrofurfuryl alcohol containing furfural and furfuryl alcohol as impurities. 2,455,159, Nov. 30.

Breth, Walter J., assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for building tires. 2,455,038, Nov. 30.

Briggs, Richard S., North Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency tube. 2,455,218, Nov. 30.

Briggs & Stratton Corporation, assignee: *See*—
Jacobi, Edward N.

Brillouin, Leon N., Providence, R. I., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Broad band antenna. 2,454,766, Nov. 30.

Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Compass follower. 2,455,219, Nov. 30.

Broderick, Frederick C., Glencoe, Ill. Hot-water heating system. 2,455,039, Nov. 30.

Broderick, Frederick C., Glencoe, Ill. Heating system. 2,455,040, Nov. 30.

Brody, Samuel C., Newton, Mass. Blast torch. 2,455,220, Nov. 30.

Brody, Samuel C., Newton, Mass. Blast torch. 2,455,221, Nov. 30.

Brody, Samuel C., Newton, Mass. Blast torch. 2,455,222, Nov. 30.

Brody, Samuel C., Newton, Mass. Blast torch perforated combustion burner. 2,455,223, Nov. 30.

Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Radio-frequency network. 2,454,907, Nov. 30.

Brown, James V., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Container for electrical apparatus. 2,454,962, Nov. 30.

Brushaber, Herman J., deceased, Milwaukee, Wis.; R. E. Brushaber, executor. Conduit fitting. 2,454,767, Nov. 30.

Brushaber, Ralph E., executor: *See*—
Brushaber, Herman J.

Bryan, Rochelle D., Glenmore, La. Pipe wrench having a pivoted and adjustable outer jaw. 2,455,041, Nov. 30.

Bryant Heater Company, assignee: *See*—
Higley, Frank R.

Buchwalter, Louise, Hallsville, Ohio, and G. G. Harvey, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,455,224, Nov. 30.

Buescher Band Instrument Co., assignee: *See*— —
Comer, Floyd E.

Buffalo Electro-Chemical Company, Inc., assignee: *See*—
Dawsey, Lynn H., Umhoefer, and Muehlhausser.

Buffum, Donald C.: *See*—
Van Winkle, Delbert M., and Buffum.

Bullard Company, The, assignee: *See*—
Lobdell, Franklin H.

Bunker, Vincent W., assignor to Gallmeyer & Livingston Company, Grand Rapids, Mich. Grinder speed control. 2,454,988, Nov. 30.

Burroughs, Gordon S., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finding antenna system. 2,454,768, Nov. 30.

Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Making styrene resin. 2,455,225, Nov. 30.

Burrow, Bob, Maricopa County, Ariz. Load leveler for power scoops. 2,455,160, Nov. 30.

Burt, John C., Oakland, Calif. Garment hanger bin. 2,454,858, Nov. 30.

Busnel, Francoise A. M., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Piezoelectric crystal support. 2,454,769, Nov. 30.

Butt, Charles S., Jr.: *See*—
Kemmer, Paul H., Reichert, and Butt.

Buttner, Arnold, Flushing, N. Y. Switch control device. 2,455,161, Nov. 30.

Buttress, George A., Los Angeles, Calif. Lath board. 2,455,016, Nov. 30.

Buxton, Frederick L., Burbank, Calif. Hanger. 2,454,908, Nov. 30.

Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,455,327, Nov. 30.

Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing and control. 2,455,328, Nov. 30.

Bylund, Eric, Genoa, Ill., assignor to John Oster Manufacturing Company, Racine, Wis. Brush mounting for electric motors. 2,454,909, Nov. 30.

Cabes, Lucien A. B., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Identification circuit arrangement for automatic or semiautomatic telephone systems. 2,454,770, Nov. 30.

Cahenzli, Martin T., Jr., assignor to The Harry Alter Company, Chicago, Ill. Combination metering device and heat exchanger for refrigerators. 2,455,298, Nov. 30.

Calhoun, Ann E., administratrix: *See*—
Calhoun, Taylor P.

Calhoun, Taylor P., deceased, Worcester, Mass.; A. E. Calhoun, administratrix. Clothes cleansing and fluid extracting apparatus having a flexible clothes squeezing diaphragm. 2,455,043, Nov. 30.

Cannistra, Joseph J.: *See*—
Thurnell, Orville D., and Cannistra.

Cantrell, Troy L.: *See*—
Smith, Herschel G., Cantrell, and Peters.

Caplan, Harry, Los Angeles, Calif. Parachute. 2,455,044, Nov. 30.

Carbone, Joseph F., Everett, and M. N. Fairbank, Belmont, assignors to Polaroid Corporation, Cambridge, Mass. Self-developing camera. 2,455,111, Nov. 30.

Carey, Cecil: *See*—
Cartmell, Harold, and Carey.

Carlson, Carl H., and W. Russell, Chicago, Ill. Auxiliary tool handle. 2,454,989, Nov. 30.

Carr, Sarah J., assignee: *See*—
Carr, Walter E.

Carr, Walter E., assignor by decree of distribution to S. J. Carr, Spokane, Wash. Drill bit assembly. 2,454,771, Nov. 30.

Carr, William P., Rossford, assignor to The De Vilbiss Company, Toledo, Ohio. Applying coatings to molded or cast articles. 2,454,910, Nov. 30.

Cartmell, Harold, and C. Carey, Chilliwack, British Columbia, Canada. Vacuum scuffler. 2,455,226, Nov. 30.

Case, J. I., Company, assignee: *See*—
Hansen, Charles W., and Kranick.
Heth, Sherman C.
Russell, Stanley D.

Case, Percival H., assignor to Universal Camera Corporation, New York, N. Y. Water- and weatherproofing construction of casings for binoculars. 2,454,859, Nov. 30.

Case, Rogers, Orange, N. J., assignor to Transadean Associates, Inc., New York, N. Y. Wire transposing device. 2,455,227, Nov. 30.

Case, Rogers, Orange, N. J., assignor to Transadean Associates, Inc., New York, N. Y. Transposition bracket. 2,455,228, Nov. 30.

Case, Rogers, Orange, N. J., assignor to Transadean Associates, Inc., New York, N. Y. Transposition bracket. 2,455,229, Nov. 30.

Catlin, Louis F., Jr.: *See*—
Catlin, Louis F., Sr., Rourke, and Catlin.

Catlin, Louis F., Sr., R. Rourke, and L. F. Catlin, Jr., assignors to Apex Tool & Cutter Company, Shelton, Conn. Milling tool. 2,455,230, Nov. 30.

Celanese Corporation of America, assignee: *See*—
Simpson, William J., and Finlayson.

Chain Belt Company, assignee: *See*—
Lind, Arthur C.

Chamberlain, Beverly H.: *See*—
Mace, Harry W., and Chamberlain.

Chatterjea, Prafulla K., and L. W. Houghton, London, W. C. 2, assignors to Standard Telephones and Cables Limited, London, England. Pulse echo system for distance measuring. 2,454,772, Nov. 30.

Chatterjea, Prafulla K., and L. W. Houghton, assignors to Standard Telephones and Cables Limited, London, England. Pulse multiplex transmitter employing a cathode-ray tube time modulator. 2,454,773, Nov. 30.

Chesus, Frank O., Jackson Heights, and F. G. Thomas, Islip, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Antenna. 2,454,774, Nov. 30.

Chindlund, Cecil W., Storm Lake, Iowa. Implement seat support. 2,454,990, Nov. 30.

Christensen Machine Company, The, assignee: *See*—
Belluche, Frank R.

Christison, William F., Gadsden, Ala. Door guard. 2,455,112, Nov. 30.

Chrysler Corporation, assignee: *See*—
Borden, David M.
Saunders, Seymour G.
Slack, Frederic W., and Utz.

Clamp Nail Company, assignee: *See*—
Scianna, Anthony.

Clark, James R., Mobile, Ala. Portable elevator for loading trucks. 2,454,860, Nov. 30.

Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Shoe last. 2,455,294, Nov. 30.

Clay, Royce W.: *See*—
Morgan, Erving B., and Clay.

Clayton, Martin M., Enon Valley, assignor to National Electric Products Corporation, Pittsburgh, Pa. Electrical raceway. 2,455,231, Nov. 30.

Cleveland Welding Company, The, assignee: *See*—
Mueller, Homer L.

Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Geological exploration system. 2,454,911, Nov. 30.

Coates, Neligh C., Kansas City, Mo. Masonry saw. 2,455,113, Nov. 30.

Coates, Neligh C., Kansas City, Mo. Latching device. 2,455,163, Nov. 30.

Cobb, Emerson G., Mitchell, S. Dak., assignor to United Aircraft Corporation, East Hartford, Conn. Protecting metal surfaces. 2,455,114, Nov. 30.

Cohrt, Eigil, Copenhagen, Denmark, assignor to International Standard Electric Corporation, New York, N. Y. Electric alarm signaling system. 2,454,775, Nov. 30.

Coker, Alva C., San Antonia, Tex. Machine for cutting handholes. 2,454,861, Nov. 30.

Coleman, George L., assignor of one-half to W. O. Huske, Fayetteville, N. C. Apparatus for resurfacing meat blocks. 2,454,992, Nov. 30.

Collins, George T., Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Product and process of reacting alkenyl succinic esters with sulfur. 2,454,862, Nov. 30.

Combs, Ida, Philadelphia, Pa. Undergarment construction. 2,454,963, Nov. 30.

Comer, Floyd E., Briston, assignor to Buescher Band Instrument Co., Elkhart, Ind. Saxophone key mounting. 2,455,232, Nov. 30.

Commercial Solvents Corporation, assignee: *See*—
Morey, Glen H.

Conant, Harold B., Lincoln, Nebr. Indicating circuit for alternating-current bridges. 2,454,776, Nov. 30.

Conmar Products Corporation, assignee: *See*—
Jones, Lester L.

Continental Can Company, Inc., assignee: *See*—
Coyle, John.
Gray, Harry C.
Jackson, George F.

Continental Oil Company, assignee: *See*—
Jones, William A.

Contos, Harry A., assignee: *See*—
Papas, Gus S.

Cook, Lyman, assignor to The Foxboro Company, Foxboro, Mass. Mechanical linkage. 2,455,329, Nov. 30.

Cooke, Grady C., Winston-Salem, N. C. Variable-speed transmission. 2,454,991, Nov. 30.

Cooley, Perry E., assignor to Thompson Products, Inc., Cleveland, Ohio. Making valves. 2,455,299, Nov. 30.

Copeland, Shirley C., Mansfield, assignor of one-half to E. C. Porter, Dallas, Tex. Automatic throttle control. 2,455,233, Nov. 30.

Cox, John W., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Cellular carton. 2,455,295, Nov. 30.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Hand sealer for containers. 2,455,045, Nov. 30.

Crawford, Charles P., Chicago, Ill. Cooking unit. 2,454,993, Nov. 30.

Crede, Charles E.: *See*—
Grogan, Charles H., and Crede.

Crespi, Silvio B., Milan, Italy; vested in the Attorney General of the United States. Process and apparatus for treating milk, blood, and other globular liquids. 2,455,235, Nov. 30.

Crick, Cyril C., Pittsburgh, Pa. Conserving and delivering water. 2,455,234, Nov. 30.

Crippen, Basil H., Titusville, Pa. Coupling. 2,454,994. Nov. 30.

Crocker, Guy J., New Brunswick, N. J., assignor to Industrial Tape Corporation. Web tension equalizing device. 2,454,863, Nov. 30.

Crompton & Knowles Loom Works, assignee: *See*—
Turner, Richard G.

Cronan, Walter I., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Manufacturing piezo crystals. 2,454,777, Nov. 30.

Cunningham, Marion M., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Springy adjustable seating structure. 2,454,912, Nov. 30.

Curran, Elwood M., Los Angeles, Calif. Disposable tooth cleaning kit. 2,454,995, Nov. 30.

Current, Philip M., Fort Wayne, Ind. Case for firearms. 2,455,296, Nov. 30.

Curry, Herman H., United States Coast Guard. Electrical control system. 2,454,778, Nov. 30.

Curtis, Russell R.: *See*—
Curtis, William H. and R. R.

Curtis, William H., Los Angeles, Calif., and R. R. Curtis, Dayton, assignors, by mesne assignments, to Thompson Products, Inc., Cleveland, Ohio. Sliding vane air pump lubrication. 2,455,297, Nov. 30.

Dahleen, Francis L., Los Angeles, Calif. Spring holding device for vehicles. 2,454,996, Nov. 30.

Dan River Mills, Incorporated, assignee: *See*—
Newton, Russell B.

Darvie, Irving: *See*—
Darvie, Samuel and I., and Pearlman.

Darvie, Samuel and I., and S. Pearlman, New York, N. Y. Clasp. 2,455,236, Nov. 30.

Davidson, David, New York, N. Y., and S. J. Kahn, Rutherford, assignors to The Trubek Laboratories, Incorporated, East Rutherford, N. J. Method for the preparation of methallylbenzene and related compounds. 2,454,779, Nov. 30.

Davis, Frank L., College Point, N. Y. Cargo blanket. 2,455,237, Nov. 30.

Dawsey, Lynn H., and R. R. Umhoefer, Kenmore, and C. R. Muehlhausser, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Manufacture of hydrogen peroxide. 2,455,238, Nov. 30.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication switching system. 2,454,780, Nov. 30.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Matched potential control system. 2,454,781, Nov. 30.

De Armond Harry, assignor to Rowe Industries, Toledo, Ohio. Guitar magnetic microphone. 2,455,046, Nov. 30.

De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Liquid fuel burner. 2,455,115, Nov. 30.

De Marco, Louis, Cleveland, Ohio. Centrifugal governor. 2,454,913, Nov. 30.

De Marco, Louis, Cleveland, Ohio. Speed control mechanism. 2,454,914, Nov. 30.

Den Hertog, Martinus: *See*—
Kruithof, Jacob, Kozma, and den Hertog.

Denison, William C., Jr., Delaware, Ohio. Hydraulic apparatus. 2,455,330, Nov. 30.

De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Adjustable expanded sweep for radar oscilloscopes. 2,454,782, Nov. 30.

Detroit Engineering Laboratories, Inc., assignee: *See*—
Du Brie, Stanley R.
Devaney, Lawrence W.: *See*—
McBee, Earl T., and Devaney.
De Vilbiss Company, The, assignee: *See*—
Carr, William P.
Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S.
Dexter, Robert G., Lexington, assignor to Barkley & Dexter, Boston, Mass. Package of individual cleansing tissue. 2,454,864, Nov. 30.
Diamond, Doris, assignee: *See*—
Diamond, Israel.
Diamond, Herbert H., assignee: *See*—
Diamond, Israel.
Diamond, Israel, assignor of one-fourth to R. Diamond, one-fourth to D. Diamond, one-fourth to M. Diamond, and one-fourth to H. H. Diamond, Washington, D. C. Forming eyes on wire. 2,454,997, Nov. 30.
Diamond Match Company, The, assignee: *See*—
Madigan, William A.
Diamond, Mildred, assignee: *See*—
Diamond, Israel.
Diamond, Ruth, assignee: *See*—
Diamond, Israel.
Dimick, Adele L.: *See*—
Fevold, Harry L., and Dimick.
Dingley, Edward N., Jr., Arlington, Va. Radio direction finder. 2,454,783, Nov. 30.
Distillation Products, Inc., assignee: *See*—
Hickman, Kenneth C. D.
Distillers Company, Limited, The, assignee: *See*—
Duval, Bruce, and Tuerck.
Di Toro, Michael J., Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Time-delay network. 2,454,865, Nov. 30.
Dodge Manufacturing Corporation, assignee: *See*—
Firth, David.
Dole Valve Company, The, assignee: *See*—
Kempton, Leslie A.
Donnelly, Daniel, Milwaukee, assignor to Universal Milking Machine Company, Waukesha, Wis. Spray cooling apparatus for milk cans. 2,455,162, Nov. 30.
Dosker, Cornelius D., assignor to Gamble Brothers, Louisville, Ky. Lighter shell and making same. 2,454,998, Nov. 30.
Doussain, Robert, Villerubane, France. Device for regulating the pitch of two counterrotating coaxial propellers. 2,455,239, Nov. 30.
Dowell, Henry L.: *See*—
Shelton, George L., and Dowell.
Doyle, Charles C., Willoughby, Ohio. Adjustable heater support. 2,455,047, Nov. 30.
Draper Corporation, assignee: *See*—
Nichols, Edward C.
Du Brie, Stanley R., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich. Attachment for trailer boat caster units. 2,455,048, Nov. 30.
Dupler, Raymond R., Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. Feed valve. 2,455,240, Nov. 30.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Hitt, Ira V.
Vaala, Gordon T.
Duval, Bruce, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Manufacture of ethylhexoic acid. 2,455,241, Nov. 30.
Dwyer, Martin, Hewlett Harbor, Long Island, N. Y. Emergency day and night signaling device. 2,455,242, Nov. 30.
Eastman Kodak Company, assignee: *See*—
Glass, Dudley B., Vittum, and Weissberger.
Eaton, Wilfred A., Oakville, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Combined brake and steering mechanism. 2,454,999, Nov. 30.
Ebeling, James A., Charleston, W. Va. Radio position finding system. 2,455,164, Nov. 30.
Eckel, Joseph C., Ingram, and H. E. Romine, Crafton, Pa. Enameling. 2,455,331, Nov. 30.
Eclipse Moulded Products Company, assignee: *See*—
Nash, James.
Edwards, Paul G., and H. W. Herrington, Verona, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Shockproof electromagnetic circuit controller. 2,455,049, Nov. 30.
Eisenberger, Sidney, New York, and S. Machila, New Rochelle, assignors to O. D. Chemical Corporation, New York, N. Y. Nondusting detergent compositions. 2,455,050, Nov. 30.
Elder, Charles J., assignor to The Moore Company, Muncie, Ind. Bed spring. 2,454,964, Nov. 30.
Elder, Charles J., assignor to The Moore Company, Muncie, Ind. Bed spring. 2,454,965, Nov. 30.
Engel, James S., New Rochelle, assignor to Federal Telephone and Radio Corporation, New York, N. Y. High-frequency power supply to multiple loads. 2,454,784, Nov. 30.
Engle, Loy S., Harrington Park, E. Sheridan, South Bound Brook, N. J., and E. K. Fischer, Long Island City, assignors to Interchemical Corporation, New York, N. Y. Making urea-aldehyde resin dispersions. 2,454,785, Nov. 30.
Eppig, Henry J.: *See*—
Hart, David, and Eppig.
Epprecht, Edward H., Cheswick, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for automatic control of heat input to stillpots. 2,455,243, Nov. 30.
Evans, Charles S., Atherton, Calif., assignor, by mesne assignments, to Morton Gregory Corporation. Stud for welding. 2,455,244, Nov. 30.
Evans, Theodore W.: *See*—
Hearne, George W., Evans, and Yale.
Fabricon Products, Inc., assignee: *See*—
Welk, Karl.
Fairbank, Murray N.: *See*—
Carbone, Joseph F., and Fairbank.
Fairbanks, Henry N., Beverly Hills, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Film sprocket clamp. 2,455,051, Nov. 30.
Fairey Aviation Company Limited, The, assignee: *See*—
Forsyth, Archibald G.
Fansteel Metallurgical Corporation, assignee: *See*—
Holmes, Carl E.
Farles Manufacturing Company, assignee: *See*—
Masterson, William F.
Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Heated stylus inkless recorder. 2,454,966, Nov. 30.
Faust, Jacob: *See*—
Liberthson, Leo, and Faust.
Faust, Jacob, Belleville, N. J., assignor to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,825, Nov. 30.
Faust, Jacob, Belleville, N. J., assignor to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,828, Nov. 30.
Federal Telephone & Radio Corporation, assignee: *See*—
Sherman, Vernon W., and Wheeler.
Federal Telephone and Radio Corporation, assignee: *See*—
Brillouin, Leon N.
Burroughs, Gordon S.
Chesus, Frank O., and Thomas.
Cronan, Walter I.
De Rosa, Louis A.
Engel, James S.
Frink, Frederick W., and Kaplan.
Grieg, Donald D.
Hartstein, Sidney R., and Stolte.
Israelski, Ignatius J.
Kandolan, Armig G.
Kennedy, Arthur.
Labin, Emile.
Labin, Emile, and Grieg.
Libby, Lester L.
Richardson, Avery G., and Kaplan.
Skinker, Murray F.
Warner, Arthur J., and Bakst.
Feitl, Rudolf, Brooklyn, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Tool for handling retaining rings. 2,455,165, Nov. 30.
Fevold, Harry L., and A. L. Dimick, assignors to United States of America as represented by the Secretary of Agriculture. Isolation of lipovitellenin from egg yolk. 2,454,915, Nov. 30.
Filbert, John P., assignee: *See*—
Zimmerman, Ernest F.
Finlayson, Donald: *See*—
Simpson, William J., and Finlayson.
Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Shaft bearing. 2,455,166, Nov. 30.
Fischer, Earl K.: *See*—
Engle, Loy S., Sheridan, and Fischer.
Fisher, Harold J., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal receiving system. 2,455,052, Nov. 30.
Flint, Edward F., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical method and apparatus for checking propeller blades. 2,455,053, Nov. 30.
Ford Motor Company, assignee: *See*—
Jovanovich, Milton, and Wharam.
Wharam, John J., and Jovanovich.
Forster, Warren S.: *See*—
Scalera, Mario, and Forster.
Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Electrically operated pitch changing mechanism. 2,455,000, Nov. 30.
Fortin, Victor, La Tuque, Quebec, Canada. Chimney scraper. 2,455,001, Nov. 30.
Foudy, Francis W., assignor to Norton Company, Worcester, Mass. Crankpin grinding machine. 2,455,002, Nov. 30.
Foulkes, Christopher H., assignor to Standard Telephones and Cables Limited, London, England. Electron discharge apparatus. 2,454,786, Nov. 30.
Foxboro Company, The, assignee: *See*—
Bowditch, Hoel L.
Cook, Lyman.
Francek, Joseph R., Fox River Grove, assignor to E. J. Sheehan, Chicago, Ill. Dry expansion of wood veneer. 2,454,787, Nov. 30.
Francis, Louis, Union City, N. J. Expansible chamber motor with valved flexible piston. 2,455,245, Nov. 30.

Franklin, Albert W., New York, N. Y. Radio tube socket. 2,455,300, Nov. 30.
French Oil Mill Machinery Company, The, assignee: *See*—
Stacy, Thomas F.
Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Multiple contactor. 2,454,788, Nov. 30.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation of paraffins in presence of hydrofluoric acid. 2,455,003, Nov. 30.
Frink, Frederick W., East Orange, N. J., and M. Kaplan, Brooklyn, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Tuning control mechanism. 2,454,789, Nov. 30.
Frost, Leslie R., Southhampton, England. Electric selective signaling system. 2,454,967, Nov. 30.
Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Single-phase induction-motor control system. 2,454,968, Nov. 30.
Gaines, Walter S.: *See*—
Meyers, Ellwood H., and Gaines.
Gair, Robert, Company, Inc., assignee: *See*—
Benoit, Leon.
Gallaher, Andrew J., St. Louis, Mo. Boiler of tubular-section type. 2,454,866, Nov. 30.
Gallmeyer & Livingston Company, assignee: *See*—
Bunker, Vincent W.
Gamble Brothers, assignee: *See*—
Dosker, Cornelius D.
Gamble, Ralph M., assignor to Jones & Lamson Machine Company, Springfield, Vt. Machine tool. 2,454,916, Nov. 30.
Gamrath, Harry R., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticizers for polyvinyl acetal resins. 2,455,301, Nov. 30.
Garrett, Emil, United States Marine Corps. Firing mechanism. 2,454,790, Nov. 30.
Garrett, Joseph W., Detroit, Mich. Bus bar bender. 2,454,867, Nov. 30.
Garside, John I., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding machine. 2,455,004, Nov. 30.
Geddes, George A., Minneapolis, Minn. Brake and clutch mechanism for transmissions. 2,454,917, Nov. 30.
Geddes, George A., Minneapolis, Minn. Spinning top. 2,454,918, Nov. 30.
Geiger, Lyle M., Edgewood, and D. L. Marsh, Avalon, assignors to The Neville Company, Neville Island, Pittsburgh, Pa. Water dispersible phenothiazine and producing same. 2,455,054, Nov. 30.
General Electric Company, assignee: *See*—
Barnes, Norman F.
Faus, Harold T.
Lafferty, James M.
Langmuir, Robert V.
Mason, Charles R.
Norgaard, Donald E.
Safford, Moyer M.
Snell, De Witt S., and Grobel.
Sobell, Morton.
General Industries Company, The, assignee: *See*—
Sweighert, David V.
General Motors Corporation, assignee: *See*—
Berkeley, Harrison C.
Brown, James V.
McCormick, Francis H.
Sullivan, Franklin S.
Wallace, De Loss D.
General Tire & Rubber Company, The, assignee: *See*—
Breth, Walter J.
Gerlach, Frank A.: *See*—
Matthews, Albert, and Gerlach.
Gibson, Austin A.: *See*—
Morgan, Leslie B., Russell, Gibson, Kinnear, and Heyes.
Gibson, William A., and C. W. Mayer, Allentown, Pa., assignors to Bradley Pulverizer Company, Boston, Mass. Removable drive shaft unit for pulverizing mills. 2,454,868, Nov. 30.
Gibson, William T., assignor to Standard Telephones and Cables Limited, London, England. Vacuum tube and mounting therefor. 2,454,791, Nov. 30.
Gilbert, Roswell W., Montclair, assignor to Western Electrical Instrument Corporation, Newark, N. J. Dual electric instrument. 2,455,167, Nov. 30.
Gilmore, Roy E., Portland, Oreg. Folding child's vehicle. 2,455,168, Nov. 30.
Gittus, Virgil O., Brooklyn, N. Y. Method of and apparatus for measuring the color quality of light. 2,455,116, Nov. 30.
Glass, Dudley B., P. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Colored couplers. 2,455,169, Nov. 30.
Glass, Dudley B., P. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Colored couplers. 2,455,170, Nov. 30.
Glavis, Frank J., Elkins Park, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Noncombustible hydraulic fluid. 2,455,117, Nov. 30.
Glidden Company, The, assignee: *See*—
Hampton, Burt L.
Goldsby, Arthur R., Beacon, and C. W. Watson, Tuckahoe, assignors to The Texas Company, New York, N. Y. Alkylation method. 2,454,869, Nov. 30.
Goodrich, B. F., Company, The, assignee: *See*—
Hunter, Willson H.
Goodwin, Carl W., Plainfield, N. J., and H. W. Martin, Malverne, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Cap applying machine. 2,455,246, Nov. 30.
Gotti, George A., New York, A. Killian, Elmhurst, and N. Volpicelli, Astoria, N. Y. Extension clasp for bands such as bracelets. 2,455,302, Nov. 30.
Grate, Earl L., Salem, Ohio. Rotary pump. 2,455,303, Nov. 30.
Gray, Harry C., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Curing frame for resin impregnated stock sheets. 2,455,055, Nov. 30.
Gregor, Edmund L.: *See*—
Hagen, John A., Prendergast, and Gregor.
Gregory, Morton, Corporation, assignee: *See*—
Evans, Charles S.
Grieg, Donald D.: *See*—
Labin, Emile, and Grieg.
Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse multiplex communication system. 2,454,792, Nov. 30.
Griest, Raymond H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric motor control apparatus. 2,455,247, Nov. 30.
Grisanti, Frank J., Forrestville, N. Y. Apparatus for use in applying wire to rows of plants. 2,454,870, Nov. 30.
Grobel, Lloyd P.: *See*—
Snell, De Witt S., and Grobel.
Grogan, Charles H., West Falls Church, Va., and C. E. Crede, Winchester, Mass. Shock gauge. 2,454,793, Nov. 30.
Guellich, Gustav E., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Adhesive and joining elements therewith. 2,455,118, Nov. 30.
Gulf Oil Corporation, assignee: *See*—
Smith, Herschel G., Cantrell, and Peters.
Gulf Research & Development Company, assignee: *See*—
Epprecht, Edward H.
Versaw, Forest F.
Gunderson, Norman R., Pasadena, Calif. Nonlinear electrooptical system. 2,454,871, Nov. 30.
Gustin-Bacon Manufacturing Company, assignee: *See*—
Stephens, Joseph F.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Sealing cartons. 2,455,304, Nov. 30.
Haantjes, Johan, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. System for magnetic deflection in cathode-ray tubes. 2,455,171, Nov. 30.
Hagan, Cora L., South Ozone Park, N. Y., assignor to The Lord Baltimore Press, Baltimore, Md. Multiply container with dispensing outlet secured thereto. 2,454,919, Nov. 30.
Hagdahl, John E., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Accumulator meter. 2,455,056, Nov. 30.
Hagen Corporation, assignee: *See*—
Markson, Alfred A.
Hagen, John A., Glen Rock, L. Prendergast, Passaic, and E. L. Gregor, Ramsey, assignors to Molded Latex Products, Inc., Passaic, N. J. Balloon. 2,455,248, Nov. 30.
Hakanson, Alfred, Alhambra, Calif. Sash holder. 2,454,794, Nov. 30.
Hall, Bertie R., El Cerrito, Calif. Collapsible gocart. 2,455,119, Nov. 30.
Hall, Lee R., Tonasket, Wash. Internal pipe wrench. 2,455,005, Nov. 30.
Haller, Lawrence F., San Antonio, Tex. Rotary hydraulic coupling with automatic speed control. 2,455,249, Nov. 30.
Hallinan, William W., Racine, Wis. Heating system. 2,455,250, Nov. 30.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Pipe-line fitting. 2,455,120, Nov. 30.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Fitting for pipe lines. 2,455,121, Nov. 30.
Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Polymerization of rosin. 2,454,795, Nov. 30.
Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Polymerization of rosin. 2,454,796, Nov. 30.
Hansen, Charles W., and F. N. G. Kranick, assignors to J. I. Case Company, Racine, Wis. Windrow device. 2,455,122, Nov. 30.
Hanson, Frank E.: *See*—
Richa, John H., and Hanson.
Hardy, Elizabeth M.: *See*—
Scalera, Mario, Lester, and Hardy.
Hardy, René, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Radioelectric receiver, particularly for watch on broad frequency bands. 2,454,797, Nov. 30.

Hare, Donald G. C., Roslyn, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Wide-range audio-frequency amplifier. 2,455,332, Nov. 30.

Harrington, Joseph, Riverside, Ill. Centrifugal separation of solids according to specific gravity. 2,454,798, Nov. 30.

Harris, Alexander, Scobeyville, N. J., assignor to Ronson Art Metal Works, Inc. Fuel indicating lighter. 2,454,872, Nov. 30.

Harris Langenberg Hat Co., assignee: *See*—
Kohler, Oliver and William Rieder.

Harris, Milton A., Gloucester, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lamp locking device. 2,455,333, Nov. 30.

Hart, David, and H. J. Eppig, Dover, N. J. Producing protective coatings on magnesium powder. 2,454,799, Nov. 30.

Hart, Kenneth V., Cleveland, Ohio. Electric welding apparatus. 2,455,057, Nov. 30.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Haantjes, Johan.

Hartmann Company, assignee: *See*—
Barton, George G.

Hartstein, Sidney R., New Brunswick, N. J., and F. Stolte, St. Albans, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Insulated electric cable and insulation therefor. 2,454,800, Nov. 30.

Hartwick, Louis M.: *See*—
Kinney, Selwyne P., and Hartwick.

Harvey, George G.: *See*—
Buchwalter, Louise, and Harvey.

Hays, Russell R., Lawrence, Kans. Counter torque mechanism for helicopters. 2,455,006, Nov. 30.

Hayslip, Homer C., Atlanta, assignor of one-half to P. E. Arnall, Griffin, Ga. Marking system. 2,455,007, Nov. 30.

Hazeltine Research, Inc., assignee: *See*—
Di Toro, Michael J.

Hearne, George W., El Cerrito, T. W. Evans, Oakland, and H. L. Yale, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of 2-monosubstituted pyrimidines. 2,455,172, Nov. 30.

Heideman, Fred J., assignee: *See*—
Johnson, George L.

Heineman, Emil J., Chicago, Ill., assignor, by mesne assignments, to Kell Lock Co. Inc., Charlestown, N. H. Lock construction. 2,454,920, Nov. 30.

Heinemann, Heinz, Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Production of aluminum fluoride gels. 2,454,921, Nov. 30.

Herman, Daniel F., assignor to Publicker Industries Inc., Philadelphia, Pa. Reacting acetylene and potassium hydroxide. 2,455,058, Nov. 30.

Herrington, Harold W.: *See*—
Edwards, Paul G., and Herrington.

Hersey, Donald S., assignor to United Aircraft Corporation, East Hartford, Conn. Constant thrust fan. 2,455,251, Nov. 30.

Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Air cleaning device for motor vehicles. 2,455,252, Nov. 30.

Heva, Jack A., Seattle, Wash. Thermostatic device for draining condensate from steam cylinders and the like. 2,455,305, Nov. 30.

Heyes, Reginald G.: *See*—
Morgan, Leslie B., Russell, Gibson, Kinnear, and Heyes.

Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum unobstructed path distillation apparatus. 2,445,059, Nov. 30.

Higley, Frank R., Cleveland Heights, Ohio, assignor to Bryant Heater Company. Thermally responsive unit. 2,455,306, Nov. 30.

Hill, Thomas C., Parkville, and W. A. Schmidt, assignors to The Glenn L. Martin Company, Middle River, Md. Constant volume expansible brake line. 2,455,334, Nov. 30.

Himmer, Harold H., Aberdeen, Md. Rotating band. 2,454,801, Nov. 30.

Hipps, Herbert E., U. S. Navy. Portable surgical table. 2,454,802, Nov. 30.

Hite, Everett C., assignor to The Timken Roller Bearing Company, Canton, Ohio. Basic refractory structures. 2,454,922, Nov. 30.

Hitt, Ira V., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn treating apparatus. 2,455,173, Nov. 30.

Hitt, Ira V., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Free fall fiber. 2,455,174, Nov. 30.

Hohl, John, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Capping machine. 2,455,175, Nov. 30.

Hollins, Abraham and J., New York, N. Y. Control switch assembly. 2,454,873, Nov. 30.

Hollins, Jesse: *See*—
Hollins, Abraham and J.

Holmes, Carl E., La Crescenta, Calif., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Selenium rectifier element. 2,455,176, Nov. 30.

Holmes, William R., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Reverse current relay and system. 2,455,060, Nov. 30.

Hood, Arthur J., Reno, Nev. Surgical cast cutter. 2,455,008, Nov. 30.

Hood, Arthur J., Reno, Nev. Surgical cast shears. 2,455,009, Nov. 30.

Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Treatment of liquid hydrocarbons. 2,455,061, Nov. 30.

Houghton, Leslie W.: *See*—
Chatterjea, Prafulla K., and Houghton.

Howell, Alleyne C., Jr., Dallas, Tex. Emergency wheel. 2,454,923, Nov. 30.

Hoyer, Arnold, Conshohocken, Pa., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Thermohydrometer. 2,455,010, Nov. 30.

Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator and circuit therefor. 2,455,253, Nov. 30.

Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Covering for preventing ice formation on aircraft. 2,454,874, Nov. 30.

Hurd, Loren C., Jenkintown, A. J. Vander Weyden, and J. D. Stroupe, assignors to Rohm & Haas Company, Philadelphia, Pa. Zirconia opacifiers and method of making. 2,455,123, Nov. 30.

Hurst, George L., assignor of one-half to A. Bauer, and one-half to E. Thompson, San Francisco, Calif. Barrel washer. 2,454,924, Nov. 30.

Huske, William O., assignee: *See*—
Coleman, George L.

Hyde, Robert W., Englewood, N. J. Soldering iron. 2,454,875, Nov. 30.

Ifield, Richard J., Ealing, London, assignor to Joseph Lucas Limited, Birmingham, England. Variable stroke pump. 2,455,062, Nov. 30.

Imperial Chemical Industries Limited, assignee: *See*—
Bremner, John G. M., and Jones.
Jones, Elwyn.
Morgan, Leslie B., Russell, Gibson, Kinnear, and Heyes.
Whetstone, John, and Taylor.

Induction Heating Corp., assignee: *See*—
Levin, Nathan.

Industrial Tape Corporation, assignee: *See*—
Crocker, Guy J.

Ingels, Clarence W., St. Albans, N. Y. Thermal alarm apparatus. 2,455,011, Nov. 30.

Interchemical Corporation, assignee: *See*—
Engle, Loy S., Sheridan, and Fischer.

International Standard Electric Corporation, assignee: *See*—
Cabes, Lucien A. B.
Bishop, Herbert S.
Busnel, Francoise A. M.
Cohrt, Eigil.
Deakin, Gerald.
Hardy, René.
Kruithof, Jacob, Kozma, and den Hertog.
Lalande, Marc A.
Lehmann, Gerard J.
Levy, Maurice M.
Powers, Stephen J.
Searle, Arthur M.

Interval Instruments, Inc., assignee: *See*—
Rieber, Frank.

Irish, Russell E., Pittsburgh, Pa. Mechanical mixing bowl. 2,455,177, Nov. 30.

Irvin, Basil D., Ottawa, Ontario, assignor of one-half to N. Samuel, Toronto, Ontario, Canada. Traction device for wheeled vehicles. 2,455,307, Nov. 30.

Israelski, Ignatius J., Jersey City, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Connecting base plate. 2,454,803, Nov. 30.

Jackson, George F., Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Forming metal closures for paper containers. 2,455,063, Nov. 30.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Automatic keyhole lock cover. 2,454,925, Nov. 30.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock device for compartment doors. 2,454,926, Nov. 30.

Janette, John T., Kenilworth, assignor to Janette Manufacturing Company, Chicago, Ill. Centrifugally operated electric governor. 2,455,335, Nov. 30.

Janette Manufacturing Company, assignee: *See*—
Janette, John T.

Jarowski, Charles I., Springfield, assignor to Wyeth Incorporated, Philadelphia, Pa. Antioxidant. 2,455,256, Nov. 30.

Jarowski, Charles I., Springfield, and E. T. Stiller, assignors to Wyeth Incorporated, Philadelphia, Pa. Antioxidants. 2,455,254, Nov. 30.

Jarowski, Charles I., Springfield, E. T. Stiller, Philadelphia, and M. B. Williamson, Lansdowne, assignors to Wyeth Incorporated, Philadelphia, Pa. Preparing an antioxidant from rice bran. 2,455,255, Nov. 30.

Johnson, George L., assignor of one-fourth to F. J. Heideman, Detroit, Mich. Special purpose file. 2,455,064, Nov. 30.

Johnson, Henry A., Kansas City, Mo. Collapsible container. 2,455,124, Nov. 30.

Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Manufacture of tetralol. 2,454,804, Nov. 30.

Jones, David G.: *See*—
Bremner, John G. M., and Jones.

Jones, Elwyn, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Delay action initiator for explosive charges. 2,455,336, Nov. 30.

Jones & Lamson Machine Company, assignee: *See*—
Gamble, Ralph M.

Jones, Lester L., Oradell, assignor to Conmar Products Corporation, Newark, N. J. Winglock slider for slide fasteners. 2,455,178, Nov. 30.

Jones, William A., assignor to Continental Oil Company, Ponca City, Okla. Addition agent for lubricants. 2,455,337, Nov. 30.

Jovanovich, Milton: *See*—
Wharam, John J., and Jovanovich.

Jovanovich, Milton, Detroit, and J. J. Wharam, assignors to Ford Motor Company, Dearborn, Mich. Concentric steering column gearshift. 2,455,179, Nov. 30.

Juravcoff, Paul: *See*—
Balzi, Clemente, Juravcoff, and Ristenpart.

Justi, H. D., & Son, Inc., assignee: *See*—
Slack, Fred A., Jr.

Kahn, Samuel J.: *See*—
Davidson, David, and Kahn.

Kalwo, Ludwig J., Bronx, N. Y., assignor, by mesne assignments, to Keil Lock Co. Inc., Charlestown, N. H. Knob construction for locks. 2,454,927, Nov. 30.

Kalwo, Ludwig J., Bronx, N. Y., assignor, by mesne assignments, to Keil Lock Co. Inc., Charlestown, N. H. Lock construction. 2,454,928, Nov. 30.

Kandolan Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Vertical scanning antenna-reflector system. 2,454,805, Nov. 30.

Kaplan, Murray: *See*—
Frink, Frederick W., and Kaplan.
Richardson, Avery G., and Kaplan.

Kaufman, Philip, and R. Stovall, Kansas City, Mo. Footrest and pedal extension. 2,454,969, Nov. 30.

Kearney, James R., Corporation, assignee: *See*—
Oaklwy, Thurman.

Keil Lock Co., Inc., assignor: *See*—
Heineman, Emil J.
Kalwo, Ludwig J.

Keller, Spencer R., Handley, W, Va. Adjustable internal expansion grinder. 2,455,065, Nov. 30.

Kemmer, Paul H., Fairfield, and C. E. Reichert, and C. S. Butt, Jr., Dayton, Ohio. Mounting machine guns in airplanes. 2,454,806, Nov. 30.

Kempf, Paul S., Brookline, Mass. Garment hanger. 2,455,066, Nov. 30.

Kempton, Leslie A., assignor to The Dole Valve Company, Chicago, Ill. Flow control. 2,454,929, Nov. 30.

Kennedy, Arthur, Wood-Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Control circuits. 2,454,807, Nov. 30.

Kennedy, Frank J., Brooklyn, N. Y., assignor to National Electric Products Corporation, Pittsburgh, Pa. Thinwall tubing connector. 2,455,180, Nov. 30.

Killian, Andrew: *See*—
Gotti, George A., and Killian, and Volpicelli.

Kimberlin, Charles N., Jr.: *See*—
Pierce, Jerry A., Kimberlin.

King, Frederick H., Detroit, Mich. Marble game. 2,455,012, Nov. 30.

Kinnear, Robert A.: *See*—
Morgan, Leslie B., Russell, Gibson, Kinnear, and Heyes.

Kinney, S. P., Engineers, Inc., assignee: *See*—
Kinney, Selwyne P., and Hartwick.

Kinney, Selwyne P., Crafton, and L. M. Hartwick, Beaver, assignors, by mesne assignments, to S. P. Kinney Engineers, Inc., Pittsburgh, Pa. Strainer. 2,455,181, Nov. 30.

Kirkpatrick, Willard H., and D. L. Wilson, Sugar Land, assignors to Visco Products Company, Houston, Tex. Reagent and resolving emulsions. 2,454,808, Nov. 30.

Klingener, John C.: *See*—
Kreamer, William H., Klingener, and Baner.

Klinicki, Anthony S., Detroit, Mich. Fish hook remover. 2,455,013, Nov. 30.

Kohler, Oliver, and W Rieder, Lebanon, Ill, said Kohler assignor to Harris Langenberg Hat Co., St. Louis, Mo. Plant for the rapid manufacture of straw hats. 2,455,257, Nov. 30.

Koppers Company, Inc., assignee: *See*—
Johnson, Robert.

Kozma, Ladislas: *See*—
Kruithof, Jacob, Kozma, and den Hertog.

Kranick, Frank N. G.: *See*—
Hansen, Charles W., and Kranick.

Kreamer, William H., J. C. Klingener, and E. K. Bauer, Meadville, Pa., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for treating filamentary material. 2,454,930, Nov. 30.

Kruithof, Jacob, L. Kozma, and M. den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Telephone system utilizing register controlled final selector switches. 2,454,809, Nov. 30.

Kyle, William D., Jr., Milwaukee, and C. Schindler, Wauwatosa, Wis., assignors to Line Material Company. Automatic reclosing circuit breaker. 2,455,067, Nov. 30.

Labin, Emile, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio transmitting and receiving system. 2,454,810, Nov. 30.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Pulse signaling system. 2,454,811, Nov. 30.

Lafferty, James M., Colonie, N. Y., assignor to General Electric Company. Ultra high frequency electric discharge device. 2,454,970, Nov. 30.

Lalande, Marc A., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Electromechanical amplifier. 2,454,812, Nov. 30.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Apparatus for exposing and processing photographic film. 2,455,125, Nov. 30.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Apparatus for exposing and processing photographic film. 2,455,126, Nov. 30.

Landry, Victor E., Pittsburgh, Pa. Tonsillar instrument. 2,455,068, Nov. 30.

Langley, Sarah L., administratrix: *See*—
Neely, Charles A.

Langmuir, Robert V., Schenectady, N. Y., assignor to General Electric Company. Frequency modulation. 2,454,971, Nov. 30.

Larson, Charles O., Sterling, Ill. Picture hanger. 2,454,813, Nov. 30.

Larson, Raymond T., Park Ridge, Ill., assignor, by mesne assignments, to Arnolt Corporation. Automotive spotlight. 2,454,931, Nov. 30.

Launder, William D., Los Angeles, Calif. Tube lock. 2,455,069, Nov. 30.

La Vallee, Oscar A., Wolf Point, Mont. Refrigerator drawer. 2,455,182, Nov. 30.

La Valliere, Walter J., Sheboygan, Wis. Spring supported rocking chair. 2,454,932, Nov. 30.

Lawrence, Donald M., Wood-Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Synchronizing mechanism. 2,455,070, Nov. 30.

Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gripper mechanism. 2,454,876, Nov. 30.

Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Conveyer gripper member for can bodies. 2,455,127, Nov. 30.

Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,455,308, Nov. 30.

Lee, Theodore, Bejou, Minn. Axe sharpening device. 2,455,014, Nov. 30.

Lehmann, Gerard J., assignor to International Standard Electric Corporation, New York, N. Y. Interference reducing radio receiver. 2,454,814, Nov. 30.

Lenski, Stanley S., La Salle, Ill. Unit-type flush box and toilet construction. 2,455,128, Nov. 30.

Leone, Joseph C., Roxbury, Mass. Lathe dog. 2,455,071, Nov. 30.

Lepperhoff, John H., New York, N. Y. Apparatus for coating the threaded portion of bushings and nuts. 2,455,129, Nov. 30.

Lester, Charles T.: *See*—
Scalera, Mario, Lester, and Hardy.

Levin, Nathan, Brooklyn, assignor to Induction Heating Corp., New York, N. Y. Soldering bourdon tubes and the like. 2,455,309, Nov. 30.

Levitin, Benjamin, Roselle, N. J. Garment hanger. 2,455,258, Nov. 30.

Levy, Maurice M., assignor to Standard Telephone and Cables Limited, London, England. Multichannel pulse communication system employing complex multivibrator modulators. 2,454,815, Nov. 30.

Levy, Maurice M., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Potentiometer. 2,454,816, Nov. 30.

Lewis, William M., Brownfield, Tex. Christmas tree stand. 2,454,877, Nov. 11.

Libby, Lester L., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Mixer circuit arrangement. 2,454,817, Nov. 30.

Liberthson, Leo, New York, N. Y., and J. Faust, Belleville, N. J., assignors to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,826, Nov. 30.

Lilly, Eli, and Company, assignee: *See*—
Rohrmann, Ewald.
Shonle, Horace A., and Van Arendonk.

Lily-Tulip Cup Corporation, assignee: *See*—
Amberg, Walter E.

Lind, Arthur C., assignor to Chain Belt Company, Milwaukee, Wis. Scum removing apparatus. 2,455,338, Nov. 30.

Lindley, Curtis, Jr., Empire, Calif. Fruit cutter and pitter with rotary blades. 2,455,072, Nov. 30.

Line Material Company, assignee: *See*—
Kyle, William D., Jr., and Schindler.

Lobdell, Franklin H., Naugatuck, Conn., assignor to The Bullard Company. Tool. 2,455,183, Nov. 30.

Lomax, Frank B., Chicago, Ill., deceased; M. P. Lomax, executrix, assignor to M. P. Lomax, Chicago, Ill. Method of and apparatus for filtering. 2,455,130, Nov. 30.

Lomax, Mary P., assignee, executrix: *See*—
Lomax, Frank B.
Lord Baltimore Press, The, assignee: *See*—
Hagan, Cora L.
Lorentzen Hardware Mf'g. Corp., assignee: *See*—
Nelson, Harry.
Loveless, Donald L., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Production of stainless steel. 2,455,073, Nov. 30.
Loveless, Donald L., Baltimore, Md., assignor to Armco Steel Corporation. Production of stainless steel. 2,455,074, Nov. 30.
Lovens Kemiske Fabrik v/Aug. Kongsted, assignee: *See*—
Bennekou, Ingolf.
Lucas, Joseph, Limited, assignee: *See*—
Ifield, Richard J.
Lucht, Victor F., Washington, D. C. Gun recoil spring surge dampener. 2,454,818, Nov. 30.
Luck, David G. C., Hightstown, N. J., assignor to Radio Corporation of America. Frequency modulation. 2,454,933, Nov. 30.
Lummus Company, The, assignee: *See*—
Reed, Carl S.
Lustig, Walter R.: *See*—
Schofield, Earl L., and Lustig.
Mace, Harry W., Glendale, and B. H. Chamberlain, Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Igniting propellant in rocket motors. 2,455,015, Nov. 30.
Machinefabriek Reineveld N. V., assignee: *See*—
Van Riel, Pieter.
Machlis, Samuel: *See*—
Eisenberger, Sidney, and Machlis.
MacIver, Charles P.: *See*—
Beckwith, Edwin L., and MacIver.
Madigan, William A., Barberton, Ohio, assignor to The Diamond Match Company, New York, N. Y. Printing plate and base mount therefor. 2,455,075, Nov. 30.
Magealson, Harry G., Kokomo, Ind. Single contact dial indicator. 2,455,076, Nov. 30.
Mallory, P. R., & Co., Inc., assignee: *See*—
Huetten, Clarence.
Smith, Cleveland S., Jr., and Blumenthal.
Markson, Alfred A., Mount Lebanon, assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa. Totalizing device. 2,455,184, Nov. 30.
Marler, Albert R., Forest Park, assignor to C. C. Sittler, Chicago, Ill. Fuse puller. 2,454,878, Nov. 30.
Marlin Firearms Company, The, assignee: *See*—
Robinson, Thomas R., Jr.
Marmor, Ralph A.: *See*—
Moyer, Wendell W., and Marmor.
Marsh, Donald L.: *See*—
Geiger, Lyl M., and Marsh.
Martin, George W., Eau Claire, Wis. Mounting for outboard motors. 2,454,972, Nov. 30.
Martin, Glenn L., Company, The, assignee: *See*—
Hill, Thomas C., and Schmidt.
Martin, Gustav J., Philadelphia, and S. Avakian, Oreland, assignors to The National Drug Company, Philadelphia, Pa. 2-Methyl-3-hydroxy-4-hydroxymethyl pyridine and its acid salts. 2,455,259, Nov. 30.
Martin, Harold: *See*—
Goodwin, Carl W., and Martin.
Mason, Charles R., Ballston Spa, N. Y., assignor to General Electric Company. Polarized electromagnetic control device. 2,454,973, Nov. 30.
Masterson, William F., Decatur, assignor, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill. Lamp base assembly. 2,455,131, Nov. 30.
Mastrangelo, Bianca, assignee: *See*—
Mastrangelo, Frank.
Mastrangelo, Faustina, assignee: *See*—
Mastrangelo, Frank.
Mastrangelo, Frank, Fitchburg, assignor of one-half to F. Mastrangelo, Lunenburg, and one-half to B. Mastrangelo, Fitchburg, Mass. Detachable sash fastener. 2,455,077, Nov. 30.
Mathis, John A., and R. W. Milan, Pickneyville, Ill. Electrical oxygen vaporizer and protecting cover. 2,454,934, Nov. 30.
Matthews, Albert, and F. A. Gerlach, Cincinnati, assignors to The American Laundry Machinery Company, Norwood, Ohio. Door securing means. 2,455,132, Nov. 30.
Mattingly, Benjamin J., Center Point, Tex. Fishing tackle. 2,454,879, Nov. 30.
May, Mike D., Durham, N. C. Pitch and chip golf game. 2,455,185, Nov. 30.
Mayer, Charles W.: *See*—
Gibson, William A., and Mayer.
Mayer, Ernest, Leipzig, Germany; vested in the Attorney General of the United States. Mold. 2,454,819, Nov. 30.
McBee, Earl T., West Lafayette, Ind., and L. W. Devaney, Beacon, N. Y., assignors to Purdue Research Foundation, West Lafayette, Ind. Making hexachlorobutadiene. 2,454,820, Nov. 30.
McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mas. Ultra high frequency tube. 2,455,310, Nov. 30.
McCormick, Claud E., Snyder, Tex. Storage tank rack. 2,455,017, Nov. 30.
McCormick, Francis H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic electric heater. 2,455,186, Nov. 30.
McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Frequency changer. 2,455,078, Nov. 30.
McKee, Philip L., assignor to National Greenhouse Co., Pana, Ill. Glazing and caulking material. 2,454,821, Nov. 30.
McKeown, Irma B., Charlotte, N. C. Gate operating means. 2,455,018, Nov. 30.
McNeill, Robert M., Hollywood, Calif. Pencil holder. 2,455,019, Nov. 30.
McQuaid, Harry W., Los Angeles, Calif. Ecliptic flasher lamp. 2,455,020, Nov. 30.
Meaker Company, The, assignee: *See*—
Miller, Constantine G.
Meerdink, Gerhard J., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Regeneration of activated carbon by inorganic liquid treatment. 2,455,260, Nov. 30.
Mennesson, André, Neuilly-sur-Seine, assignor to Société Anonyme Solex, Neuilly-sur-Seine (Seine), France. Liquid distributing device. 2,454,974, Nov. 30.
Mercer, Warren H., Anaheim, Calif. Safety eyeglass case. 2,455,079, Nov. 30.
Meyers, Ellwood H., Brecksville, and W. S. Gaines, Chagrin Falls, Ohio, assignors, by mesne assignments, to Republic Industries, Inc., New York, N. Y. Conduit connection for tanks. 2,455,311, Nov. 30.
Michelman, Nathan, New York, N. Y. Driving means for rolling doors. 2,454,880, Nov. 30.
Michelman, Nathan, New York, N. Y. Adjustable stroke eccentric mechanism. 2,454,881, Nov. 30.
Mieher, Walter W.: *See*—
Barrow, Wilmer L., and Mieher.
Milan, Roland W.: *See*—
Mathis, John A., and Milan.
Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Ethers of 5-hydroxy, 3-methyl, penta-3-en-yne-1. 2,455,261, Nov. 30.
Miller Company, The, assignee: *See*—
Beals, Gilison W.
De Lancey, Ralph W.
Runge, Richard M.
Miller, Constantine G., assignor to The Meaker Company, Chicago, Ill. Continuous wire and strip electroprocessing machine. 2,454,935, Nov. 30.
Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,455,339, Nov. 30.
Miller, Ralph W., Topango, and E. B. Powell, San Diego, assignors of 75 per cent to said Powell, Pasadena, Calif., and 25 per cent to said Miller. Ordnance chambrage and cartridge case. 2,455,080, Nov. 30.
Milling, Martin A., assignee: *See*—
Wolpert, Walter J.
Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Cunningham, Marion M.
Mitchell Camera Corporation, assignee: *See*—
Bader, Edward G.
Fairbanks, Henry N.
Moffat, John H., Indianapolis, Ind., Parking device. 2,455,133, Nov. 30.
Molded Latex Products, Inc., assignee: *See*—
Hagen, John A., Prendergast, and Gregor.
Monitor Controller Company, The, assignee: *See*—
Frese, Joseph F.
Monroe Calculating Machine Company, assignee: *See*—
Britten, Edwin F., Jr.
Monsanto Chemical Company, assignee: *See*—
Gamrath, Harry R.
Seymour, Raymond B.
Moore Company, The, assignee: *See*—
Elder, Charles J.
Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparing unsaturated alcohols. 2,454,936, Nov. 30.
Morf, Ernest, La Chaux-de-Fonds, Switzerland. Shock absorbing bearing. 2,455,081, Nov. 30.
Morgan, Erving B., and R. W. Clay, assignors to American Seating Company, Grand Rapids, Mich. Spring pivot chair structure. 2,455,262, Nov. 30.
Morgan, Leslie B., Baugley, P. Russell, A. A. Gibson, R. A. Kinnear, and R. G. Heyes, Welwyn, Garden City, England, assignors to Imperial Chemical Industries Limited. Plasticizing polyvinyl chloride compositions. 2,455,042, Nov. 30.
Morith, Franklin J., Huntington Park, Calif. Variable speed and power transmission. 2,455,082, Nov. 30.
Moscowitz, Abraham, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Lubricants for textile materials. 2,454,822, Nov. 30.
Moscowitz, Abraham, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,823, Nov. 30.
Moscowitz, Abraham, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,824, Nov. 30.

Moscowitz, Abraham, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,827, Nov. 30.
Motiograph, assignee: *See*—
Wienke, Emil J.
Moyer, Wendell W., and R. A. Marmor, assignors to A. E. Staley Manufacturing Co., Decatur, Ill. Treating glyceride oils with activated magnesium oxide. 2,454,937, Nov. 30.
Muelhausser, Carl R.: *See*—
Dawsey, Lynn H., Umhoefer, and Muehlhausser.
Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Kick stand. 2,455,312, Nov. 30.
Mueller, Max B.: *See*—
Teeters, Wilber O., and Mueller.
Mullard Radio Valve Company Limited, assignee: *See*—
Richards, Claude L.
Mungall, Thomas, Sr., assignor of one-half to G. L. Becker, Cleveland, Ohio. Synchronous electric motor. 2,455,134, Nov. 30.
Musser, David M., Orange, N. J., assignor to Pacific Mills, Boston, Mas. Cellulose ethers of 3,4 epoxy 1-butene and their oxidation products. 2,455,083, Nov. 30.
Nash, James, assignor to Eclipse Moulded Products Company, Milwaukee, Wis. Edge for T-square and the like. 2,454,938, Nov. 30.
National Drug Company, The, assignee: *See*—
Martin, Gustav J., and Avakian.
National Electric Products Corporation, assignee: *See*—
Clayton, Martin M.
Kennedy, Frank J.
National Greenhouse Co., assignee: *See*—
McKee, Philip L.
National Technical Laboratories, assignee: *See*—
Beckman, Arnold O.
National Union Radio Corporation, assignee: *See*—
Allen, Howard B., Jr.
Schneider, Gerhard G.
Navy, United States of America, as represented by the Secretary of, assignee: *See*—
Hare, Donald G. C.
Watt, Bob E.
Werner, Frank D.
Neely, Charles A., deceased, Seattle, assignor of forty per cent to H. J. Sweeney, Everson, Wash.; S. L. Langley, administratrix of said C. A. Neely. Deep well pump 2,455,084, Nov. 30.
Neher, Harry T.: *See*—
Glavis, Frank J., and Neher.
Neijstrom, Kenneth, Harrisburg, Pa., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J. Electrical connector. 2,454,829, Nov. 30.
Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind head-bar organization. 2,455,135, Nov. 30.
Neville Company, The, assignee: *See*—
Geiger, Lyle M., and Marsh.
Newman, Barbara, Forest Hills, N. Y. Crib and bed guard. 2,455,340, Nov. 30.
Newton, Russell B., Danville, Va., assignor, by mesne assignments, to Dan River Mills, Incorporated. Tensioned roving and forming same. 2,454,830, Nov. 30.
Niagara Blower Company, assignee: *See*—
Olstad, Martin H., and Williams.
Nicholls, Kenneth H.: *See*—
Rose, Alfred G., and Nicholls.
Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Harness motions. 2,455,263, Nov. 30.
Niles-Bement-Pond Company, assignee: *See*—
Baierlein, George W.
Lee, Leighton, II.
Noffsinger, Fred P., Greeley, Colo. Potato digger attachment for tractors. 2,455,264, Nov. 30.
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Conveyer to fish canning machine. 2,454,831, Nov. 30.
Norgaard, Donald E., Schenectady, N. Y., assignor to General Electric Company. Pulse radar system. 2,455,265, Nov. 30.
Norton Company, assignee: *See*—
Foudy, Francis W.
Garside, John I.
Nudelman, Eoina, Chicago, Ill. Children's amusement device. 2,455,266, Nov. 30.
O. D. Chemical Corporation, assignee: *See*—
Eisenberger, Sidney, and Machlis.
Oakes, Raymond S., Brookfield, Ill. Coin and disk projector for amusement devices. 2,454,939, Nov. 30.
Oakley, Thurman, Belleville, Ill., assignor to James R. Kearney Corporation, St. Louis, Mo. Obtaining load and voltage recordings of electrical distribution systems on a single recorder. 2,454,882, Nov. 30.
Obert, Maximilian J., North Merchantville, N. J., assignor to Radio Corporation of America. Securing leads to electrical capacitors. 2,455,136, Nov. 30.
Olstad, Martin H., Port Washington, and A. E. Williams, White Plains, assignors to Niagara Blower Company, Buffalo, N. Y. Apparatus for cooling compressed gases. 2,454,883, Nov. 30.
Osofsky, Irving B., Buffalo, N. Y. Heat exchanging airplane propeller. 2,455,313, Nov. 30.
Oster, John, Manufacturing Company, assignee: *See*—
Bylund, Eric.
Oughton, Charles D., Rochester, S. Sterling, Irondequoit, and A. F. Turner, Brighton, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for tempering glass articles. 2,455,085, Nov. 30.
Owens, Freeman H., New York, N. Y. Photographic film magazine. 2,455,187, Nov. 30.
Owens-Illinois Glass Company, assignee: *See*—
Hohl, John.
Hoyer, Arnold.
Oxford, William F., Jr., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Drilling fluid. 2,455,188, Nov. 30.
Pacific Mills, assignee: *See*—
Musser, David M.
Pacotto, Joseph D., Dorchester, Mass. Potato ricer. 2,455,267, Nov. 30.
Papas, Gus S., assignor of one-third to H. A. Contos, Chicago, Ill. Centrifugally operated, expanding shoe type, automatic clutch. 2,455,086, Nov. 30.
Parke, Davis & Company, assignee: *See*—
Rawlins, Albert L.
Parker Appliance Company, The, assignee: *See*—
Parker, Arthur L.
Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Sealing element for valves. 2,455,087, Nov. 30.
Patterson, Wilbur I., Fairfax, Va., and M. B. Williamson, Darby, assignors, by mesne assignments, to Wyeth Incorporated, Philadelphia, Pa. Antioxidant. 2,455,088, Nov. 30.
Paulus, Charles L., Dayton, Ohio. Electric servo. 2,454,832, Nov. 30.
Peaden, William H., Muskogee, Okla. Cleaning device for conduits. 2,454,884, Nov. 30.
Pearlman, Samuel: *See*—
Darvie, Samuel and I., and Pearlman.
Pedersen, Alfred, Warren, Pa. Work holder for woodworking machines. 2,455,189, Nov. 30.
Pelley, Perry H., assignor to Beech Aircraft Corporation, Wichita, Kans. Window molding. 2,454,975, Nov. 30.
Pennington, Gordon R., Bloomfield Hills, Mich. Radio circuit selector switch. 2,455,137, Nov. 30.
Pennsylvania Industrial Chemical Corporation, assignee: *See*—
Burroughs, Samuel G.
Perez, Horacio E., Valhalla, N. Y. Windshield wiper motor. 2,455,089, Nov. 30.
Perkins, George C. H., Hamilton, Mass. Pivoted bender with reversible clamp and former. 2,455,138, Nov. 30.
Perry, Melvin W., Algoma, Wis. Holding frame for core strips. 2,455,268, Nov. 30.
Peters, Harry C., assignor to The T. L. Smith Company, Milwaukee, Wis. Seal for chutes of concrete mixers. 2,454,940, Nov. 30.
Peters, John G.: *See*—
Smith, Herschel G., Cantrell, and Peters.
Petro-Chem Process Company, Incorporated, assignee: *See*—
Wallis, John S., and Throckmorton.
Pfahl, Wilbert C., Silver Lake, Ohio. Truss. 2,454,833, Nov. 30.
Philco Corporation, assignee: *See*—
Bauman, John J.
Bradley, William E.
Phillips Petroleum Company, assignee: *See*—
Frey, Frederick E.
Vinyard, Roy E., Roach, and Skinner.
Pierce, Jerry A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Drying hydrogel catalysts by distilling with butanol. 2,454,941, Nov. 30.
Pierce, Jerry A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of spherical adsorbent particles. 2,454,942, Nov. 30.
Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Velocity variation apparatus. 2,455,269, Nov. 30.
Pietzsch, Kurt F., Pittsburgh, Pa., assignor to American Cyanamid Company, New York, N. Y. Fractional condensation of phthalic anhydride. 2,455,314, Nov. 30.
Pike, Robert D., Pittsburgh, Pa. Extracting potash from wyomingite. 2,455,190, Nov. 30.
Ploeger, Clyde E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Compressor load protector. 2,454,976, Nov. 30.
Poirette Corsets Inc., assignee: *See*—
Robbins, Jack E.
Polaroid Corporation, assignee: *See*—
Carbone, Joseph F., and Fairbank.
Land, Edwin H.
Porocel Corporation, assignee: *See*—
Heinemann, Heinz.
Porter, Earl C., assignee: *See*—
Copeland, Shirley C.
Powell, Edward B., assignee: *See*—
Miller, Ralph W.

Powers, Stephen J., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Manufacture of base assemblies for electric discharge tubes. 2,454,834, Nov. 30.

Prendergast, Laurence: *See*—
Hagen, John A., Prendergast and Gregor.

Prevost, Auxance N., Deep River, Conn. Piano mechanism. 2,455,139, Nov. 30.

Pritchard, Wilmot T., assignor to Stetson-Ross Machine Company, Seattle, Wash. Hydraulic marine steering gear for operating the rudders of ships. 2,455,090, Nov. 30.

Publicker Industries Inc., assignee: *See*—
Herman, Daniel F.

Purdue Research Foundation, assignee: *See*—
McBee, Earl T., and Devaney.

Radio Corporation of America, assignee: *See*—
Brown, George H.
Luck, David G. C.
Obert, Maximilian J.
Stoize, William J., and Anderson.
Townsend, Charles L.
Usselman, George L.

Ramsey, De Witt, Miami, Fla. Bearing assembly. 2,455,091, Nov. 30.

Ramseyer, Charles F., Old Greenwich, and H. A. Brassert, Washington, Conn., assignors to H. A. Brassert & Company, New York, N. Y. Apparatus for reacting finely divided solid material and a gas. 2,455,092, Nov. 30.

Ravella, Jean A., deceased, by Y. Auda, executrix, Lyon, assignor to Société à responsabilité limitée "Mermet & Virthner," Villeurbonne (Rhone), France. Automatic striking tool. 2,455,270, Nov. 30.

Rawlins, Albert L., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. N-propyl diaminodiphenylsulfone and obtaining same. 2,454,335, Nov. 30.

Raymond, Thomas E., assignor to Simplex Engineering Company, Zanesville, Ohio. Hydraulic apparatus. 2,455,271, Nov. 30.

Rayner, Philip D., New York, N. Y. Foot pad. 2,454,836, Nov. 30.

Reed, Carl S., assignor to The Lummus Company, New York, N. Y. Heater for hydrocarbon fluids. 2,454,943, Nov. 30.

Reiber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Pressure meter. 2,455,021, Nov. 30.

Reichert, Carl E.: *See*—
Kemmer, Paul H., Reichert, and Butt.

Republic Flow Meters Company, assignee: *See*—
Rosenberger, Albert J.

Republic Industries, Inc., assignee: *See*—
Meyers, Ellwood H., and Gaines.

Research Corporation, assignee: *See*—
Milas, Nicholas A.

Reynlers, James A., Niles, Mich., assignor to Amino Acids, Inc., Wilmington, Del. Solubilizing protogenous substances. 2,454,837, Nov. 30.

Reynolds, Harry E., Detroit, Mich. Garment hanger. 2,454,944, Nov. 30.

Reynolds, John M., Shreveport, La. Bailer. 2,454,945, Nov. 30.

Richa, John H., and F. E. Hanson, Kansas City, Mo. Adjustable shoulder support for garment finishing apparatus. 2,454,977, Nov. 30.

Richards, Claude L., assignor to The Mullard Radio Valve Company, London, England. Radio wave detector system. 2,455,191, Nov. 30.

Richardson, Avery G., Boonton, N. J., and M. Kaplan, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Plug assembly. 2,454,838, Nov. 30.

Rieder, William: *See*—
Kohler, Oliver, and Rieder.

Ring, Roland, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Retrieving apparatus. 2,454,839, Nov. 30.

Ristenpart, Chester H.: *See*—
Baizi, Clemente, Juravcoff, and Ristenpart.

Roach, Wendell W.: *See*—
Vinyard, Roy E., Roach, and Skinner.

Robbins, Jack E., assignor to Poirette Corsets Inc., New York, N. Y. Panty girdle. 2,455,272, Nov. 30.

Robertshaw-Fulton Controls Company, assignee: *See*—
Strobel, Charles K.

Robinson, Roy H., Chicago, Ill. Preheating installation in boilers for quick heating and steaming. 2,455,192, Nov. 30.

Robinson, Thomas R., Jr., Newton, assignor to The Marlin Firearms Company, New Haven, Conn. Detachable operating handle for retracting breech bolts. 2,454,885, Nov. 30.

Rohm & Haas Company, assignee: *See*—
Glavis, Frank J., and Neher.
Hurd, Loren C., Vander Weyden, and Stroupe.

Rohrmann, Ewald, assignor to Eli Lilly and Company, Indianapolis, Ind. Aldehyde derivatives of 2-aminoalkanes. 2,455,193, Nov. 30.

Romine, Hugh E.: *See*—
Eckel, Joseph C., and Romine.

Ronson Art Metal Works, Inc., assignee: *See*—
Harris, Alexander.

Rose, Alfred G., Gainsborough, and K. H. Nicholls, Freshford, England. Pilot operated hydraulic valve and dither mechanism therefor. 2,455,315, Nov. 30.

Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Pressure transmitting instrument. 2,454,946, Nov. 30.

Roth, Arthur J., Detroit, Mich. Automobile towing device. 2,455,140, Nov. 30.

Rourke, Raymond: *See*—
Catlin, Louis F., Sr., Rourke, and Catlin.

Rowe Industries, assignee: *See*—
De Armond, Harry.

Ruben, Samuel, assignee: *See*—
Scudder, Cleveland, Scudder, Jr., and Blumenthal.

Rumsey, Edward C., deceased, Detroit, Mich.; L. G. Rumsey, executrix. Rotary flexible vane pump. 2,455,194, Nov. 30.

Rumsey, Lillian G., executrix: *See*—
Rumsey, Edward C.

Runge, Richard M., assignor to The Miller Company, Meriden, Conn. Wiring channel hanger. 2,455,141, Nov. 30.

Russell, Paul: *See*—
Morgan, Leslie B., Russell, Gibson, Kinnear, and Heyes.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Combination drawbar and support structure. 2,455,195, Nov. 30.

Ryan, Warren W., Dayton, Ohio. Fighter airplane bomb lift. 2,454,840, Nov. 30.

Sackville, William, U. S. Army, Berkeley, Calif., assignor to United States of America as represented by the Secretary of War. Apparatus for detecting the presence and position of an invisible body by infrared radiation. 2,454,841, Nov. 30.

Sadusky, Edward, and H. T. Thompson, Staples, Minn. Hoist attachment for tractors. 2,455,093, Nov. 30.

Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Preparation of Dimethyl silicone gums. 2,454,759, Nov. 30.

Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Velocity variation transmitter-receiver. 2,455,094, Nov. 30.

Samuel, Norman, assignee: *See*—
Irvin, Basil D.

Sapiro, Reuben H., Pinner, England. Prevention of mist and frost on glass and similar sheet material. 2,454,886, Nov. 30.

Saunders, Seymour G., Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Clamp for bonding brake lining to brake shoes. 2,455,341, Nov. 30.

Scalera, Mario, Somerville, N. J., C. T. Lester, De Kalb, Ga., and E. M. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. 4-alkylmorphonline sulfur trioxide compounds. 2,454,978, Nov. 30.

Scalera, Mario, and W. S. Forster, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. 4-Amino-1,8-naphthalic imide disulfonic acids. 2,455,095, Nov. 30.

Schaefer, Frederic, Pittsburgh, Pa. Brake beam. 2,455,316, Nov. 30.

Schindler, Carl: *See*—
Kyle, William D., Jr., and Schindler.

Schmadlewsky, Paul, Portland, Oreg. Retouching frame. 2,455,096, Nov. 30.

Schmidt, Benjamin F., Los Angeles, Calif. Submersible double-acting fluid piston deep well pump. 2,455,022, Nov. 30.

Schmidt, William A.: *See*—
Hill, Thomas C., and Schmidt.

Schmiege, Herbert F., Chesaning, Mich. Photoalbum leaf. 2,455,023, Nov. 30.

Schneider, Gerhard G., Maplewood, assignor to National Union Radio Corporation, Newark, N. J. Tube sealing machine. 2,455,317, Nov. 30.

Schneider, Harold W., Terrell, Tex. Drill jig. 2,455,024, Nov. 30.

Schofield, Earl L., and W. R. Lustig, assignors to The Atwood Vacuum Machine Company, Rockford, Ill. Bicycle kick stand. 2,454,842, Nov. 30.

Schott, Donald E., Flushing, and G. R. Bartle, Woodside, assignors to Thomas C. Wilson, Inc., Long Island City, N. Y. Self-propelled tube cleaner having adjustable tube-engaging means. 2,455,273, Nov. 30.

Schott, Edgar R., Benton, Mo. Time switch. 2,454,887, Nov. 30.

Schroeder, Clarence J., Sheboygan, Wis. Christmas tree holder. 2,455,025, Nov. 30.

Schroeder, John F., South Bend, Ind. Wheel starter. 2,454,947, Nov. 30.

Sclanna, Anthony, assignor to Clamp Nail Company, Chicago, Ill. Adjustable radial kerfing saw. 2,455,097, Nov. 30.

Scovill Manufacturing Company, assignee: *See*—
Seyfried, Arthur W.

Scriver, Clarence A., Glens Falls, N. Y. Ski trainer and exerciser. 2,455,274, Nov. 30.

Searle, Arthur M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Metal rectifier. 2,454,843, Nov. 30.

Seelenfreund, Louis M., assignor to Action Buffs, Inc., Chicago, Ill. Buffing wheel. 2,455,098, Nov. 30.

Seelenfreund, Louis M., assignor to Action Buffs, Inc., Chicago, Ill. Buffing wheel. 2,455,099, Nov. 30.

Seltzer, Clifford S., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Electric resistance seam welding apparatus. 2,454,948, Nov. 30.

Servel, Inc., assignee: *See*—
Andersson, Sven W. E.
Ploeger, Clyde E.
Simpson, Walter M.

Seyfried, Arthur W., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Motor-driven food mixer. 2,455,026, Nov. 30.

Seymour, Raymond B., Chattanooga, Tenn., assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymers of fumarodinitrile and styrenes. 2,455,342, Nov. 30.

Shakowitz, Isidore, Philadelphia, Pa. Sled. 2,455,318, Nov. 30.

Sharpe, Everett E., Shelton, N. Y., assignor to Better Packages Incorporated. Dispenser for measured lengths of pressure sensitive tape. 2,454,844, Nov. 30.

Shaw, Julian C., and H. E. Blettner, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Garment finishing device. 2,454,888, Nov. 30.

Sheehan, Edmund J., assignee: *See*—
Francek, Joseph R.

Shell Development Company, assignee: *See*—
Hearne, George W., Evans, and Yale.

Shellmar Products Corporation, assignee: *See*—
Cox, John W.

Shelton, George I., and H. L. Dowell, Athens, Tex. Automobile service table. 2,454,889, Nov. 30.

Sheppard, Richard H., Hanover, Pa. Fuel pump drive for Diesel engines. 2,455,275, Nov. 30.

Sheridan, Edward: *See*—
Engle, Loy S., Sheridan, and Fischer.

Sherman, Vernon W., Summit, and C. M. Wheeler, Montclair, N. J., assignors to Federal Telephone & Radio Corporation, New York, N. Y. High-frequency oscillator circuit for induction heating apparatus. 2,454,845, Nov. 30.

Shields, Robert A., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Drop bottom mine car latch. 2,455,276, Nov. 30.

Shonle, Horace A., and A. M. Van Arendonk, assignors to Eli Lilly and Company, Indianapolis, Ind. 4-dialkylaminoalkylamino-6-methoxyquinoline. 2,454,949, Nov. 30.

Signal Oil and Gas Company, assignee: *See*—
Young, Garth L.

Simmon, Alfred: *See*—
Simmon, Rudolph and A.

Simmon Brothers, Inc., assignee: *See*—
Simmon, Rudolph and A.

Simmon, Rudolph and A., Jackson Heights, assignors to Simmon Brothers, Inc., Long Island City, N. Y. Condenser type photographic enlarger with exchangeable lenses and adjustable lamp housing. 2,455,142, Nov. 30.

Simplex Engineering Company, assignee: *See*—
Raymond, Thomas E.

Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,455,196, Nov. 30.

Simpson, William J., and D. Finlayson, Spondon, near Darby, England, assignors to Celanese Corporation of America. Stabilized cellulose acetate. 2,454,950, Nov. 30.

Singer Manufacturing Company, The, assignee: *See*—
Fuge, Harry B.

Sittler, Carl C., assignee: *See*—
Marler, Albert R.

Skinner, Murray F., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier stack. 2,454,846, Nov. 30.

Skinner, Bradley: *See*—
Vinyard, Roy E., Roach, and Skinner.

Slack, Fred A., Jr., Penn Valley, assignor to H. D. Justi & Son, Inc., Philadelphia, Pa. Mold, mold charging, and molding process. 2,454,847, Nov. 30.

Slack, Frederic W., Detroit, and C. C. Utz, Magnolia, assignors to Chrysler Corporation, Highland Park, Mich. Joint. 2,455,343, Nov. 30.

Smith, Cleveland S., Jr., West Orange, N. J., and S. Blumenthal, Indianapolis, Ind.; said Smith assignor to S. Ruben, New Rochelle, N. Y., and said Blumenthal assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Selenium boiler. 2,455,277, Nov. 30.

Smith, Franklin N., Cedar Rapids, Iowa. Support means for idler rollers. 2,455,100, Nov. 30.

Smith, Herbert H., Bay Shore, N. Y. Spring heel for footwear. 2,454,951, Nov. 30.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,454,890, Nov. 30.

Smith, T. L., Company, The, assignee: *See*—
Peters, Harry C.

Snell, De Witt S., and L. P. Grobel, Schenectady, N. Y., assignors to General Electric Company. Gas filled machine. 2,454,979, Nov. 30.

Snyder, Ben, assignee: *See*—
Trowbridge, Charles A.

Snyder, Gerson, assignee: *See*—
Trowbridge, Charles A.

Snyder Mfg. Company, assignee: *See*—
Trowbridge, Charles A.

Sobell, Morton, Schenectady, N. Y., assignor to General Electric Company. Damper. 2,454,980, Nov. 30.

Société à responsabilité limitée "Mermet & Virthner," Villeurbonne, assignee: *See*—
Ravella, Jean A.

Société Anonyme Solex, assignee: *See*—
Mennesson, André.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Clewell, Dayton H.

Sonneborn, L., Sons, Inc., assignee: *See*—
Faust, Jacob.
Liberthson, Leo, and Faust.
Moscowitz, Abraham.

Sorensen, Edward M., deceased, Stamford, Conn.; H. S. Sorensen, administratrix. Cathode controlled electronic voltage regulator circuit. 2,455,143, Nov. 30.

Sorensen, Helen S., administratrix: *See*—
Sorensen, Edwin M.

Spause, Edward A., Philadelphia, Pa. Pocket football game apparatus. 2,454,891, Nov. 30.

Spencer, Clifford R., and D. G. Wilhelm, Buffalo, N. Y. Mechanism for effecting the regulation and automatic control of the temperature of bath water. 2,455,144, Nov. 30.

Sperry Corporation, The, assignee: *See*—
Barrow, Wilmer L., and Micher.

Sperry-Sun Well Surveying Company, assignee: *See*—
Ring, Roland.

Sprow, John H., Jackson, Ohio. Blast furnace tuyère. 2,454,892, Nov. 30.

Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Fluid operated motor. 2,454,893, Nov. 30.

Staley, A. E., Manufacturing Co., assignee: *See*—
Moyer, Wendell W., and Marmor.

Standard Oil Development Company, assignee: *See*—
Pierce, Jerry A., and Kimberlin.

Standard Telephones and Cables Limited, assignee: *See*—
Chatterjea, Prafulla K., and Houghton.
Foulkes, Christopher H.
Gibson, William T.
Levy, Maurice M.

Starkey, Robert L., New Brunswick, N. J., and K. M. Wight, Philadelphia, Pa., assignors to American Gas Association, Inc., New York, N. Y. Measurement of corrosive characteristics of the soil. 2,454,952, Nov. 30.

Stearns Magnetic Mfg. Co., assignee: *See*—
Stearns, Roswell H.

Stearns, Roswell H., Wauwatosa, assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis. Floor sweeping magnet device. 2,455,319, Nov. 30.

Stennitt, Thomas, Lansdowne, Ontario, Canada. Saw fitting device. 2,454,953, Nov. 30.

Stephens, Joseph F., Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Company. Automatic condensation control apparatus. 2,455,320, Nov. 30.

Sterling, Scott: *See*—
Oughton, Charles D., Sterling, and Turner.

Stetson-Ross Machine Company, assignee: *See*—
Pritchard, Wilmot T.

Stevens, Douglas F., Pasadena, Calif. Rocket projector. 2,455,101, Nov. 30.

Stewart, Raymond R., and J. W. Biewen, assignors to Universal Producing Company, Fairfield, Iowa. Display stand for displaying merchandise. 2,455,278, Nov. 30.

Stewart-Warner Corporation, assignee: *See*—
Williams, Lynn A., Jr.

Stiller, Eric T.: *See*—
Jarowski, Charles I., and Stiller.
Jarowski, Charles I., Stiller, and Williamson.

Stolte, Fred: *See*—
Hartstein, Sidney R., and Stolte.

Stolze, William J., Astoria, Long Island, and E. I. Anderson, Manhasset, N. Y., assignors to Radio Corporation of America. Cathode-ray beam deflection system. 2,455,321, Nov. 30.

Stovall, Reyn: *See*—
Kaufman, Philip, and Stovall.

Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Safety control system for fuel burners. 2,454,848, Nov. 30.

Stroup, Charles L., Oak Park, Ill. Electric circuit interrupter. 2,454,849, Nov. 30.

Stroupe, James D.: *See*—
Hurd, Loren C., Vander Weyden, and Stroupe.

Sullivan, Franklin S., Farmington, assignor to General Motors Corporation, Detroit, Mich. Material supporting pallet. 2,455,197, Nov. 30.

Sun Oil Company, assignee: *See*—
Dupler, Raymond R.
Oxford, William F., Jr.

Swanstrom, Klas A., Buckingham Township, Bucks County, Pa. Fastener. 2,455,145, Nov. 30.

Swatzell, Wilbert J., El Dorado, Ark. Long or short line assembly elevator stop. 2,455,279, Nov. 30.

Sweeney, Hugh J., assignee: *See*—
Neely, Charles A.

Sweighert, David V., Cleveland, assignor to The General Industries Company, Elyria, Ohio. Motor mount and motor drive means for phonographs. 2,455,280, Nov. 30.

Sylvania Electric Products Inc., assignee: *See*—
Briggs, Richard S.
Harris, Milton A.
McCarthy, Henry J.

Tann, David, Detroit, Mich. Yarn assembly. 2,455,146, Nov. 30.

Tatom, Raymond F., Seattle, Wash., assignor to Boeing Airplane Company. Hook. 2,454,894, Nov. 30.

Taylor, James: *See*—
Whetstone, John, and Taylor.

Taylor-Winfield Corporation, The, assignee: *See*—
Seltzer, Clifford S.

Teeters, Wilber O., River Edge, and M. B. Mueller, Dumont, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Oxynitration of aromatic compounds. 2,455,322, Nov. 30.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Hagdahl, John E.

Temple, Sidney J., Forest Hills, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating unit. 2,455,102, Nov. 30.

Teta, Angelo M., Manhasset, N. Y. Convertible tricycle. 2,455,281, Nov. 30.

Texas Company, The, assignee: *See*—
Goldsby, Arthur R., and Watson.

Thomas, Frank G.: *See*—
Chesus, Frank O., and Thomas.

Thompson, Ernest, assignee: *See*—
Hurst, George L.

Thompson, Helmer T.: *See*—
Sadusky, Edward, and Thompson.

Thompson Products, Inc., assignee: *See*—
Cooley, Perry E.
Curtis, William H. and R. R.

Thomson, Samuel G., Flushing, N. Y. Litter stretcher-bar assembly. 2,455,027, Nov. 30.

Throckmorton, John W.: *See*—
Wallis, John S., and Throckmorton.

Thurnell, Orville D., and J. J. Cannistra, Chicago, Ill. Flashlight. 2,454,895, Nov. 30.

Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing insolubilized sulfonates and products thereof. 2,455,282, Nov. 30.

Timken Roller Bearing Company, The, assignee: *See*—
Hite, Everett C.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,455,028, Nov. 30.

Tinnerman Products, Inc., assignee: *See*—
Tinnerman, George A.

Townsend, Charles L., Yonkers, N. Y., assignor to Radio Corporation of America. Phasing system. 2,455,323, Nov. 30.

Transadean Associates, Inc., assignee: *See*—
Case, Rogers.

Traub, Ellis, Worcester, Mass. Automobile position signal. 2,454,896, Nov. 30.

Traver, Harry G., Cranford, N. J. Means to connect tractor and trailer sections and for effecting steering thereof. 2,455,147, Nov. 30.

Traver, Harry G., Cranford, N. J. Motor-driven rotary digging apparatus. 2,455,148, Nov. 30.

Trowbridge, Charles A., Roxborough, assignor to B. and G. Snyder, co-partners trading as Snyder Mfg. Company, Philadelphia, Pa. Antenna mounting. 2,454,897, Nov. 30.

Trubek Laboratories, Incorporated, The, assignee: *See*—
Davidson, David, and Kahn.

Tuerck, Karl H. W.: *See*—
Duval, Bruce, and Tureck.

Tung-Sol Lamp Works, Inc., assignee: *See*—
Braunsdorff, Reginald K.

Turner, Arthur F.: *See*—
Oughton, Charles A., Sterling, and Turner.

Turner, Quilla T., Winnipeg, Manitoba, Canada. Ready-reference card index holder. 2,455,103, Nov. 30.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin magazine for weft replenishing looms. 2,455,149, Nov. 30.

Tuthill, Harry J., St. Louis, Mo. Shading process for photographs. 2,454,898, Nov. 30.

Twomey, Kathryn B., Chicago, Ill. Aid to art practice and instruction. 2,454,899, Nov. 30.

Umhoefer, Robert R.: *See*—
Dawsey, Lynn H., Umhoefer, and Muehlhausser.

United Aircraft Corporation, assignee: *See*—
Cobb, Emerson G.
Hersey, Donald S.
Waring, Dana B.

United-Carr Fastener Corporation, assignee: *See*—
Wagstaff, George.

United Shoe Machinery Corporation, assignee: *See*—
Lawson, Robert H.

Universal Camera Corporation, assignee: *See*—
Case, Percival H.

Universal Milking Machine Company, assignee: *See*—
Donnelly, Daniel.

Universal Producing Company, assignee: *See*—
Stewart, Raymond R., and Biewen.

Usselman, George I., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,454,954, Nov. 30.

Utz, Chester C.: *See*—
Slack, Frederic W., and Utz.

Vaala, Gordon T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making shaped articles. 2,455,198, Nov. 30.

Valley, George E., Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Indicating system. 2,455,283, Nov. 30.

Van Allen, Lawrence R., Chicago, Ill. Blanching natural gums or resins. 2,455,199, Nov. 30.

Van Arendonk, Arthur M.: *See*—
Shonle, Horace A., and Van Arendonk.

Vander Weyden, Allen J.: *See*—
Hurd, Loren C., Vander Weyden, and Stroupe.

Vang, Alfred, Newark, N. J. Carbureting air for fuel mixtures. 2,454,900, Nov. 30.

Van Riel, Pieter, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands. Centritugal machine. 2,455,284, Nov. 30.

Van Winkle, Delbert M., Newton, and D. C. Buffum, Cambridge, Mass. Torsion specimen and holder for same. 2,454,850, Nov. 30.

Varney, C. B., assignee: *See*—
Wilson, Charles R.

Verderber, Joseph, Cleveland, Ohio. Golf club. 2,455,150, Nov. 30.

Versaw, Forest F., Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Strain gauge. 2,455,285, Nov. 30.

Vint, Jesse L., Jr., assignor to Beech Aircraft Corporation, Wichita, Kans. Aircraft control. 2,454,981, Nov. 30.

Vinyard, Roy E., and W. W. Roach, Borger, Tex., and B. Skinner, Bartlesville, Okla., assignors to Phillips Petroleum Company. Control of temperature in regeneration of solid hydrocarbon conversion catalysts 2,454,901, Nov. 30.

Visco Products Company, assignee: *See*—
Kirkpatrick, Willard H., and Wilson.

Vittum, Paul W.: *See*—
Glass, Dudley B., Vittum, and Weissberger.

Vogt, Ernest J., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Electrical control system. 2,455,029, Nov. 30.

Volpicelli, Nicholas: *See*—
Gotti, George A., Killian, and Volpicelli.

Vorech, Stephen, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,455,030, Nov. 30.

Vulcan Corporation, assignee: *See*—
Clausing, George.

Wagstaff, George, Long Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic tubes. 2,455,324, Nov. 30.

Waldes Koh-I-Noor, Inc., assignee: *See*—
Feitl, Rudolf.

Waldorf Paper Products Company, assignee: *See*—
Guyer, Reynolds.

Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Liquid level indicator. 2,455,200, Nov. 30.

Wallace, De Loss D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Filter element. 2,454,982, Nov. 30.

Wallace & Tiernan Products, Inc., assignee: *See*—
Wallace, Charles F.

Wallis, John S., Darien, and J. W. Throckmorton, Wilton, Conn., assignors to Petro-Chem Process Company, Incorporated. Furnace baffle. 2,455,201, Nov. 30.

War, United States of America as represented by the Secretary of, assignee: *See*—
Buchwalter, Louise, and Harvey.
Sackville, William.
Valley, George E., Jr.

Ware, Cecil, Houston, Tex. Packing. 2,455,202, Nov. 30.

Waring, Dana B., assignor to United Aircraft Corporation, East Hartford, Conn. Ignition control. 2,455,344, Nov. 30.

Warner, Arthur J., South Orange, N. J., and M. Bakst, Alexandria, Va., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Insulating material containing polystyrene and plasticizer and making. 2,454,851, Nov. 30.

Warner, Douglas K., Sarasota, Fla. Fan blades in opening of rotary valve in two-cycle supercharged engines. 2,454,852, Nov. 30.

Warren, Henry E., Ashland, Mass. Speed governor. 2,454,902, Nov. 30.

Watson, Claude W.: *See*—
Goldsby, Arthur R., and Watson.

Watt, Bob E., Boston, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Capacitive angular velocity measuring device. 2,455,345, Nov. 30.

Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Journal box structure. 2,455,031, Nov. 30.

Welk, Karl, Detroit, assignor to Fabricon Products, Inc., River Rouge, Mich. Steaming or vaporizing means. 2,454,903, Nov. 30.

Weinberger, Joseph M., assignor of one-half to T. Weinberger, Brooklyn, N. Y. Stroboscopic apparatus for calibrating time indicating devices. 2,454,983, Nov. 30.

Weinberger, Tessie, assignee: *See*—
Weinberger, Joseph M.

Weinig, Friedrich S., Stuttgart-Moehringen, Germany. Ribbon parachute. 2,454,853, Nov. 30.

Weissberger, Arnold: *See*—
Glass, Dudley B., Vittum, and Weissberger.

Wells, Martin, Los Angeles, Calif. Heavy-duty electrode holder. 2,455,325, Nov. 30.

Werner, Frank D., Kansas City, Mo., assignor to United States of America as represented by the Secretary of the Navy. Antenna cap. 2,455,286, Nov. 30.

West, Clifford S., Adams, Mass. Clothesline apparatus. 2,455,203, Nov. 30.

Western Electrical Instrument Corporation, assignee: *See*—
Gilbert, Roswell W.

Wharam, John J.: *See*—
Jovanovich, Milton, and Wharam.

Wharam, John J., Dearborn, and M. Jovanovich, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Concentric steering column gearshift operating mechanism. 2,455,204, Nov. 30.

Wheeler, Carson M.: *See*—
Sherman, Vernon W., and Wheeler.

Wheeler, William N., Paris, Ky. Eye opening and closing mechanism for dolls. 2,455,104, Nov. 30.

Whetstone, John, West Kilbride, and J. Taylor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Compositions suitable for use as gas and power producing liquids. 2,455,205, Nov. 30.

Whytlaw, Graeme G., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Drying wound packages. 2,454,854, Nov. 30.

Wickwire Brothers, Inc., assignee: *See*—
Wickwire, Charles C.

Wickwire, Charles C., assignor to Wickwire Brothers, Inc., Cortland, N. Y. Welder for wire mesh fabrics. 2,455,346, Nov. 30.

Wiegand, Edwin L., Company, assignee: *See*—
Temple, Sidney J.

Wienke, Emil J., Glen Ellyn, assignor to Motiograph, Chicago, Ill. Tension shoe mounting for projectors. 2,455,206, Nov. 30.

Wieseman, Theodore R., assignor to The Louis Allis Company, Milwaukee, Wis. Rotor for electric motors and making the same. 2,454,955, Nov. 30.

Wight, Kent M.: *See*—
Starkey, Robert L., and Wight.

Wilhelm, Donald G.: *See*—
Spencer, Clifford R., and Wilhelm.

Williams, Alfred O., Richland, Mich. Musical instrument. 2,455,032, Nov. 30.

Williams, Allan E.: *See*—
Olstad, Martin H., and Williams.

Williams, Lynn A., Jr., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater with nozzle heating means. 2,455,207, Nov. 30.

Williamson, Martin B.: *See*—
Jarowski, Charles I., Stiller, and Williamson.
Patterson, Wilbur I., and Williamson.

Wilson, Charles R., assignor of one-half to C. B. Varney, Road Fork, Ky. Coupling pin structure. 2,455,105, Nov. 30.

Wilson, Doyne L.: *See*—
Kirkpatrick, Willard H., and Wilson.

Wilson, Thomas C., Inc., assignee: *See*—
Schoot, Donald E., and Bartle.

Wirth, Rudolph, New York, N. Y. Door indicating device. 2,455,208, Nov. 30.

Wirtz, Robert W., Peoria, Ill. Toe creasing machine. 2,455,106, Nov. 30.

Wolpert, Walter J., assignor of one-half to M. A. Milling, Indianapolis, Ind. Safety razor. 2,455,152, Nov. 30.

Wood, Edward L., Detroit, Mich. Wheel trim. 2,455,151, Nov. 30.

Wright, Charles W., Tipton, Kans. Printer's knockout. 2,455,033, Nov. 30.

Wyeth-Incorporated, assignee: *See*—
Jarowski, Charles I.
Jarowski, Charles I., and Stiller.
Patterson, Wilbur I., and Williamson.

Wylie, John R., San Francisco, Calif. Door lock protector. 2,454,904, Nov. 30.

Yale, Harry L.: *See*—
Hearne, George W., Evans, and Yale.

Young, Garth L., assignor to Signal Oil and Gas Company, Los Angeles, Calif. System for corrosion protection. 2,454,956, Nov. 30.

Zimmerman, Ernest F., Orange, assignor of one-half to J. P. Filbert, Los Angeles, Calif. Water-cooling jacket. 2,454,957, Nov. 30.

Zoegall, Richard R., Los Angeles, Calif. Home barbeque device. 2,455,034, Nov. 30.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adhesives from vegetable proteinous material. G. Davidson. Re. 23,052, Nov. 30.

Gear finishing. M. B. Mentley. Re. 23,053, Nov. 30.

LIST OF PLANT INVENTIONS

Rose plant. E. S. Boerner. 811, Nov. 30.

Rose plant. E. S. Boerner. 812, Nov. 30.

LIST OF DESIGN INVENTIONS

Astrolabe. C. O. Rothweiler. 151,942, Nov. 30.
Bathing suit. J. N. Hamilton. 151,885, Nov. 30.
Bottle. L. Medgyes. 151,909, Nov. 30.
Bracelet or similar article. C. Arpels. 151,866, Nov. 30.
Bracelet or similar article. A. Katz. 151,903–4, Nov. 30.
Brassière. H. M. Plehn. 151,934, Nov. 30.
Brassière. S. J. Reiner. 151,937, Nov. 30.
Brooch or similar article. C. Arpels. 151,864–5, Nov. 30.
Brooch or similar article. H. Bogoff. 151,868, Nov. 30.
Brooch or similar article. A. Katz. 151,888–9, Nov. 30.
Brooch or similar article. A. Philippe. 151,914–17, Nov. 30.
Brooch or similar article. A. Philippe. 151,924, Nov. 30.
Brooch or similar article. A. Philippe. 151,926–33, Nov. 30.
Brooch or similar article. A. Rose. 151,940, Nov. 30.
Brooch or similar article, Separable. A. Katz. 151,902, Nov. 30.
Casing, Heater. R. M. Pyle. 151,935, Nov. 30.
Casing, Water heater. D. L. Raymond. 151,936, Nov. 30.
Cigarette case and lighter, Combined. J. P. Partlow. 151,912, Nov. 30.
Clock thermostat. C. G. Kronmiller. 151,905, Nov. 30.
Container for perfumed bath tablets or the like. E. N. Graham. 151,884, Nov. 30.
Door knocker. H. Cohn. 151,873, Nov. 30.
Earring. H. Bogoff. 151,867, Nov. 30.
Earring or similar article. A. Katz. 151,900, Nov. 30.
Earring or similar article. A. Philippe. 151,918–19, Nov. 30.
Earring or similar article. A. Philippe. 151,925, Nov. 30.
Generator, Electric motor. E. J. Petry. 151,903, Nov. 30.
Hammer, Insulator applying and removing. H. W. Edwards. 151,876, Nov. 30.
Hat or similar article. M. Friedman. 151,882–3, Nov. 30.
Heater, Space. D. La Barre and T. Ornas. 151,906, Nov. 30.
Jar. F. Smith. 151,945, Nov. 30.
Kite. G. E. Shackelford. 151,944, Nov. 30.
Lamp standard or similar article. D. S. Erwin. 151,877, Nov. 30.
Lighter, Table. H. G. Treiss. 151,946, Nov. 30.
Link bracelet. H. Bogoff. 151,869, Nov. 30.
Lure, Fishing. G. J. Crabdree. 151,875, Nov. 30.
Necklace. H. Reinstein. 151,938–9, Nov. 30.
Necklace or similar article. A. Katz. 151,901, Nov. 30.
Necklace or similar article. A. Philippe. 151,920–3, Nov. 30.
Optical comparator. K. A. Van Dyck. 151,947, Nov. 30.
Projector for handling transparent plates. H. G. Fitz Gerald. 151,878, Nov. 30.
Ravioli. C. J. Carapellotti. 151,871, Nov. 30.
Riding stick toy. A. R. Mellor. 151,910, Nov. 30.
Slip. K. Kaplan. 151,887, Nov. 30.
Slip. L. Rose, L. Myers, and M. Richter. 151,941, Nov. 30.
Slipper. E. K. Bradley. 151,870, Nov. 30.
Suit. J. Freedman. 151,880–1, Nov. 30.
Sundial, Water compass. J. F. Carssow. 151,872, Nov. 30.
Sweater, Knitted. B. Sapin. 151,943, Nov. 30.
Switch escutcheon. J. D. McDonald. 151,907, Nov. 30.
Switching device or similar article, Electrical. H. E. Metz. 151,911, Nov. 30.
Tie clasp. C. W. Cole. 151,874, Nov. 30.
Tire. W. E. Hardeman and S. C. Parker. 151,886, Nov. 30.
Tongs or similar article, Pulpwood. M. M. McElderry. 151,908, Nov. 30.
Toy wheeled barge. L. M. J. Foulke. 151,879, Nov. 30.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF NOVEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulator meter. J. E. Hagdahl. 2,455,056, Nov. 30.
Acetate, Stabilized cellulose. W. J. Simpson and D. Finlayson. 2,454,950, Nov. 30.
Acetylene and potassium hydroxide, Reacting. D. F. Herman. 2,455,058, Nov. 30.
Adhesive and joining elements therewith. G. E. Guellich. 2,455,118, Nov. 30.
Adjustable heater support. C. C. Doyle. 2,455,047, Nov. 30.
Agent for lubricants, Addition. W. A. Jones. 2,455,337, Nov. 30.
Aid to art practice and instruction. K. B. Twomey. 2,454,899, Nov. 30.
Air cleaning device for motor vehicles. S. C. Heth. 2,455,252, Nov. 30.
Air conditioning. W. M. Simpson. 2,455,196, Nov. 30.
Aircraft control. J. L. Vint, Jr. 2,454,981, Nov. 30.
Air pump lubrication, Sliding vane. W. H. and R. R. Curtis. 2,455,297, Nov. 30.
Alarm apparatus, Thermal. C. W. Ingels. 2,455,011, Nov. 30.
Aldehyde derivatives of 2-aminoalkanes. E. Rohrmann. 2,455,193, Nov. 30.
Alkenyl succinic esters with sulfur, Product and process of reacting. G. T. Collins. 2,454,862, Nov. 30.
Alkylation method. A. R. Goldsby and C. W. Watson. 2,454,869, Nov. 30.
Alkylation of paraffins in presence of hydrofluoric acid. F. E. Frey. 2,455,003, Nov. 30.
Aluminum fluoride gels, Production of. H. Heinemann. 2,454,921, Nov. 30.
Amplifier, Electromechanical. M. A. Lalande. 2,454,812, Nov. 30.
Amplifier, Wide-range audio frequency. D. G. C. Hare. 2,455,332, Nov. 30.
Amusement device, Children's. E. Nudelman. 2,455,266, Nov. 30.
Antenna. L. Buchwalter and G. G. Harvey. 2,455,224, Nov. 30.
Antenna. F. O. Chesus and F. G. Thomas. 2,454,774, Nov. 30.
Antenna, Broad band. L. N. Brillouin. 2,454,766, Nov. 30.
Antenna cap. F. D. Werner. 2,455,286, Nov. 30.
Antenna mounting. C. A. Trowbridge. 2,454,897, Nov. 30.
Antenna-reflector system, Vertical scanning. A. G. Kandoian. 2,454,805, Nov. 30.
Antenna system, Direction finding. G. S. Burroughs. 2,454,768, Nov. 30.
Antioxidant. C. I. Jarowski. 2,455,256, Nov. 30.
Antioxidant. W. I. Patterson and M. B. Williamson. 2,455,088, Nov. 30.
Antioxidant from rice bran, Preparing an. C. I. Jarowski, E. T. Stiller, and M. B. Williamson. 2,455,255, Nov. 30.
Antioxidants. C. I. Jarowski and E. T. Stiller. 2,455,254, Nov. 30.
Antioxidants for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,454,890, Nov. 30.
Apparatus for automatic control of heat input to stillpots. E. H. Epprecht. 2,455,243, Nov. 30.
Apparatus for building tires. W. J. Breth. 2,455,038, Nov. 30.
Apparatus for coating the threaded portion of bushings and nuts. J. H. Lepperhoff. 2,455,129, Nov. 30.
Apparatus for cooling compressed gases. M. H. Olstad and A. E. Williams. 2,454,883, Nov. 30.
Apparatus for detecting the presence and position of an invisible body by infrared radiation. W. Sackville. 2,454,841, Nov. 30.
Apparatus for disseminating weather information. J. B. Anderson. 2,455,209–10, Nov. 30.
Apparatus for exposing and processing photographic film. E. H. Land. 2,455,125–6, Nov. 30.
Apparatus for reacting finely divided solid material and a gas. C. F. Ramseyer and H. A. Brassert. 2,455,092, Nov. 30.
Apparatus for resurfacing meat blocks. G. L. Coleman. 2,454,992, Nov. 30.
Apparatus for tempering glass articles. C. D. Oughton, S. Sterling, and A. F. Turner. 2,455,058, Nov. 30.
Apparatus for treating filamentary material. W. H. Kreamer, J. C. Klingener, and E. K. Bauer. 2,454,930, Nov. 30.
Apparatus for use in applying wire to rows of plants. F. J. Grisanti. 2,454,870, Nov. 30.
Aromatic compounds, Oxynitration of. W. O. Teeters and M. B. Mueller. 2,455,322, Nov. 30.

616 O. G.—91c

Attachment for trailer boat caster units. S. R. Du Brie. 2,455,048, Nov. 30.
Automatic keyhole lock cover. E. N. Jacobi. 2,454,925, Nov. 30.
Automatic striking tool. J. A. Ravella. 2,455,270, Nov. 30.
Automobile position signal. E. Traub. 2,454,896, Nov. 30.
Automobile service table. G. I. Shelton and H. L. Dowell. 2,454,889, Nov. 30.
Auxiliary tool handle. C. H. Carlson and W. Russell. 2,454,989, Nov. 30.
Averaging mechanism. H. W. Bode. 2,455,035, Nov. 30.
Bailer. J. M. Reynolds. 2,454,945, Nov. 30.
Balloon. J. A. Hagen, L. Prendergast, and E. L. Gregor. 2,455,248, Nov. 30.
Band, Rotating. H. H. Himmer. 2,454,801, Nov. 30.
Barbeque device, Home. R. R. Zoegall. 2,455,034, Nov. 30.
Base assemblies for electric discharge tubes, Manufacture of. S. J. Powers. 2,454,834, Nov. 30.
Beam deflection system, Cathode-ray. W. J. Stolze and E. I. Anderson. 2,455,321, Nov. 30.
Bearing: *See*—
Shaft bearing.
Shock absorbing bearing.
Bearing assembly. D. Ramsey. 2,455,091, Nov. 30.
Bed spring. C. J. Elder. 2,454,964–5, Nov. 30.
Bender with reversible clamp and former, Pivoted. G. C. H. Perkins. 2,455,138, Nov. 30.
Bicycle kick stand. E. L. Schofield and W. R. Lustig. 2,454,842, Nov. 30.
Bin, Garment hanger. J. C. Burt. 2,454,858, Nov. 30.
Blanket, Cargo. F. L. Davis. 2,455,237, Nov. 30.
Blast torch. S. C. Brody. 2,455,220–22, Nov. 30.
Blast torch perforated combustion burner. S. C. Brody. 2,455,223, Nov. 30.
Board: *See*—
Lath board.
Bobbin magazine for weft replenishing looms. R. G. Turner. 2,455,149, Nov. 30.
Boiler: *See*—
Selenium boiler.
Boiler for tubular-section type. A. J. Gallaher. 2,454,866, Nov. 30.
Bomb lift, Fighter airplane. W. W. Ryan. 2,454,840, Nov. 30.
Box structure, Journal. T. R. Weber. 2,455,031, Nov. 30.
Bracket: *See*—
Clamp bracket.
Transposition bracket.
Brake and clutch mechanism for transmissions. G. A. Geddes. 2,454,917, Nov. 30.
Brake and steering mechanism, Combined. W. A. Eaton. 2,454,999, Nov. 30.
Brake beam. F. Schaefer. 2,455,316, Nov. 30.
Brake line, Constant volume expansible. T. C. Hill and W. A. Schmidt. 2,455,334, Nov. 30.
Brassière. G. A. Boylan. 2,455,036, Nov. 30.
Buffing wheel. L. M. Seelenfreund. 2,455,098–9, Nov. 30.
Burner: *See*—
Blast torch perforated combustion burner.
Liquid fuel burner.
Bus bar bender. J. W. Garrett. 2,454,867, Nov. 30.
Cable and insulation therefor, Insulated electric. S. R. Hartstein and F. Stolte. 2,454,800, Nov. 30.
Calculating machine. D. B. Bradner. 2,454,987, Nov. 30.
Camera, Self-developing. J. F. Carbone and M. N. Fairbank. 2,455,111, Nov. 30.
Cap: *See*—
Antenna cap.
Cap applying machine. C. W. Goodwin and H. W. Martin. 2,455,246, Nov. 30.
Capping machine. J. Hohl. 2,455,175, Nov. 30.
Carbureting air for fuel mixtures. A. Yang. 2,454,900, Nov. 30.
Carton, Cellular. L. Benoit. 2,455,291, Nov. 30.
Carton, Cellular. J. W. Cox. 2,455,295, Nov. 30.
Cartons, Sealing. R. Guyer. 2,455,304, Nov. 30.
Case: *See*—
Safety eyeglass case.
Case for firearms. P. M. Current. 2,455,296, Nov. 30.
Casting aluminum, Method and apparatus for. M. F. Booth. 2,454,961, Nov. 30.
Cathode controlled electronic voltage regulator circuit. E. M. Sorensen. 2,455,143, Nov. 30.
Cathode for electronic discharge devices. H. B. Allen, Jr. 2,455,287, Nov. 30.

Cellulose ethers of 3,4 epoxy 1-butene and their oxidation products. D. M. Musser. 2,455,083, Nov. 30.
Centrifugal machine. P. van Riel. 2,455,284, Nov. 30.
Centrifugally operated, expanding shoe type, automatic clutch. G. S. Papas. 2,455,086, Nov. 30.
Chair: *See*—
Spring supported rocking chair.
Chair structure, Spring pivot. E. B. Morgan and R. W. Clay. 2,455,262, Nov. 30.
Christmas tree holder. C. J. Schroeder. 2,455,025, Nov. 30.
Christmas tree stand. W. M. Lewis. 2,454,877, Nov. 30.
Circuit: *See*—
Cathode controlled electronic voltage regulator circuit.
Circuit arrangement for automatic or semiautomatic telephone systems, Identification. L. A. B. Cabes. 2,454,770, Nov. 30.
Circuit arrangement, Mixer. L. L. Libby. 2,454,817, Nov. 30.
Circuit breaker, Automatic reclosing. W. D. Kyle, Jr., and C. Schindler. 2,455,067, Nov. 30.
Circuit controller, Shockproof electromagnetic. P. G. Edwards and H. W. Herrington. 2,455,049, Nov. 30.
Circuit for alternating-current bridges, Indicating. H. B. Conant. 2,454,776, Nov. 30.
Circuit for induction heating apparatus, High frequency oscillator. V. W. Sherman and C. M. Wheeler. 2,454,845, Nov. 30.
Circuit interrupter, Electric. C. L. Stroup. 2,454,849, Nov. 30.
Clamp: *See*—
Film sprocket clamp.
Clamp bracket. E. E. Bish. 2,454,857, Nov. 30.
Clamp for bonding brake lining to brake shoes. S. G. Saunders. 2,455,341, Nov. 30.
Clasp. S. and I. Darvie, and S. Pearlman. 2,455,236, Nov. 30.
Clasp for bands such as bracelets, Extension. G. A. Gotti, A. Killian, and N. Volpicelli. 2,455,302, Nov. 30.
Cleaning device for conduits. W. H. Peaden. 2,454,884, Nov. 30.
Cleansing and fluid extracting apparatus having a flexible clothes squeezing diaphragm, Clothes. T. P. Calhoun. 2,455,043, Nov. 30.
Closures for paper containers, Forming metal. G. F. Jackson. 2,455,063, Nov. 30.
Clothesline apparatus. C. S. West. 2,455,203, Nov. 30.
Clutch: *See*—
Centrifugally operated, expanding shoe type, automatic clutch.
Coatings on magnesium powder, Producing protective. D. Hart and H. J. Eppig. 2,454,799, Nov. 30.
Coatings to molded or cast articles, Applying. W. P. Carr. 2,454,910, Nov. 30.
Collapsible container. H. A. Johnson. 2,455,124, Nov. 30.
Communication system employing complex multivibrator modulators, Multichannel pulse. M. M. Levy. 2,454,815, Nov. 30.
Communication system, Pulse multiplex. D. D. Grieg. 2,454,792, Nov. 30.
Compass follower. E. F. Britten, Jr. 2,455,219, Nov. 30.
Compositions suitable for use as g. s and power producing liquids. J. Whetstone and J. Taylor. 2,455,205, Nov. 30.
Compressor load protector. C. E. Ploeger. 2,454,976, Nov. 30.
Condensation of phthalic anhydride, Fractional. K. F. Pietzsch. 2,455,314, Nov. 30.
Conduit connection for tanks. E. H. Meyers and W. S. Gaines. 2,455,311, Nov. 30.
Connector: *See*—
Electrical connector.
Thin-wall tubing connector.
Conserving and delivering water. C. C. Crick. 2,455,234, Nov. 30.
Contactor, Multiple. J. F. Frese. 2,454,788, Nov. 30.
Container: *See*—
Collapsible container.
Container for electrical apparatus. J. V. Brown. 2,454,962, Nov. 30.
Container with dispensing outlet secured thereto, Multiply. C. L. Hagan. 2,454,919, Nov. 30.
Control apparatus. D. M. Borden. 2,455,292, Nov. 30.
Control apparatus, Automatic condensation. J. F. Stephens. 2,455,320, Nov. 30.
Control apparatus for internal-combustion engines. L. Lee, II. 2,455,308, Nov. 30.
Control circuits. A. Kennedy. 2,454,807, Nov. 30.
Control device, Polarized electromagnetic. C. R. Mason. 2,454,973, Nov. 30.
Control mechanism, Fluid pressure. S. Vorech. 2,455,030, Nov. 30.
Control mechanism, Speed. L. De Marco. 2,454,914, Nov. 30.
Control mechanism, Tuning. F. W. Frink and M. Kaplan. 2,454,789, Nov. 30.
Control of temperature in regeneration of solid hydrocarbon conversion catalysts. R. E. Vinyard, W. W. Roach, and B. Skinner. 2,454,901, Nov. 30.
Control switch assembly. A. and J. Hollins. 2,454,873, Nov. 30.
Control system, Electrical. H. H. Curry. 2,454,778, Nov. 30.
Control system, Electrical. E. J. Vogt. 2,455,029, Nov. 30.
Control system for fuel burners, Safety. C. K. Strobel. 2,454,848, Nov. 30.
Control system, Matched potential. G. Deakin. 2,454,781, Nov. 30.
Control system, Single-phase induction-motor. H. B. Fuge. 2,454,968, Nov. 30.
Conveyer gripper member for can bodies. E. Laxo. 2,455,127, Nov. 30.
Conveyer to fish canning machine. R. E. J. Nordquist. 2,454,831, Nov. 30.
Cooking unit. C. P. Crawford. 2,454,993, Nov. 30.
Copolymers of fumarodinitrile and styrenes. R. B. Seymour. 2,455,342, Nov. 30.
Countertorque mechanism for helicopters. R. R. Hays. 2,455,006, Nov. 30.
Couplers, Colored. D. B. Glass, P. W. Vittum, and A. Weissberger. 2,455,169–70, Nov. 30.
Coupling. B. H. Crippen. 2,454,994, Nov. 30.
Coupling device, Wave guide. W. E. Bradley. 2,455,158, Nov. 30.
Coupling pin for trailer hitches, Safety. P. Bible. 2,454,856, Nov. 30.
Coupling with automatic speed control, Rotary hydraulic. L. F. Haller. 2,455,249, Nov. 30.
Cover: *See*—
Automatic keyhole lock Lighting fixture cover.
cover.
Covering for preventing ice formation on aircraft. W. H. Hunter. 2,454,874, Nov. 30.
Crystals, Manufacturing piezo. W. I. Cronan. 2,454,777, Nov. 30.
Curing frame for resin impregnated stock sheets. H. C. Gray. 2,455,055, Nov. 30.
Current relay and system, Reverse. W. R. Holmes. 2,455,060, Nov. 30.
Cutter: *See*—
Surgical cast cutter.
Cutter and pitter with rotary blades, Fruit. C. Lindley, Jr. 2,455,072, Nov. 30.
Damper. M. Sobell. 2,454,980, Nov. 30.
Deep well pump. C. A. Neely. 2,455,084, Nov. 30.
Detachable sash fastener. F. Mastrangelo. 2,455,077, Nov. 30.
Detector system, Radio wave. C. L. Richards. 2,455,191, Nov. 30.
Detergent compositions, Nondusting. S. Eisenberger and S. Machlis. 2,455,050, Nov. 30.
Device for regulating the pitch of two counterrotating coaxial propellers. R. Doussain. 2,455,239, Nov. 30.
Digging apparatus, Motor-driven rotary. H. G. Traver. 2,455,148, Nov. 30.
Dimethyl silicone gums, Preparation of. M. M. Safford. 2,454,759, Nov. 30.
Direction finder, Radio. E. N. Dingley, Jr. 2,454,783, Nov. 30.
Discharge apparatus, Electron. C. H. Foulkes. 2,454,786, Nov. 30.
Discharge device, Ultra high frequency electric. J. M. Lafferty. 2,454,970, Nov. 30.
Dispenser. W. L. Baumner, Jr. 2,455,212, Nov. 30.
Dispenser for measured lengths of pressure sensitive tape. E. E. Sharpe. 2,454,844, Nov. 30.
Distillation apparatus, Vacuum unobstructed path. K. C. D. Hickman. 2,455,059, Nov. 30.
Distributing device, Liquid. A. Mennesson. 2,454,974, Nov. 30.
Domestic electric heater. F. H. McCormick. 2,455,186, Nov. 30.
Door for vehicles. C. G. Branstrator. 2,455,293, Nov. 30.
Door guard. W. F. Christison. 2,455,112, Nov. 30.
Door indicating device. R. Wirth. 2,455,208, Nov. 30.
Door lock protector. J. R. Wylie. 2,454,904, Nov. 30.
Door securing means. A. Matthews and F. A. Gerlach. 2,455,132, Nov. 30.
Drawbar and support structure, Combination. S. D. Russell. 2,455,195, Nov. 30.
Drawer for typewriters, including elevating typewriter supports, Desk. C. Balzi, P. Juravcoff, and C. H. Listenpart. 2,455,156, Nov. 30.
Drawer, Refrigerator. O. A. La Vallee. 2,455,182, Nov. 30.
Drill bit assembly. W. E. Carr. 2,454,771, Nov. 30.
Drill jig. H. W. Schneider. 2,455,024, Nov. 30.
Drive shaft unit for pulverizing mills, Removable. W. A. Gibson and C. W. Mayer. 2,454,868, Nov. 30.
Driving means for rolling doors. N. Michelman. 2,454,880, Nov. 30.
Drop bottom mine car latch. R. A. Shields. 2,455,276, Nov. 30.
Elliptic flasher lamp. H. W. McQuaid. 2,455,020, Nov. 30.
Edge for T-square and the like. J. Nash. 2,454,938, Nov. 30.
Electric instrument, Dual. R. W. Gilbert. 2,455,167, Nov. 30.
Electric servo. C. L. Paulus. 2,454,832, Nov. 30.

Electrical connector. G. M. Anderson. 2,454,760, Nov. 30.
Electrical connector. K. Neijstrom. 2,454,829, Nov. 30.
Electrical system for gauging a dimension by the width of a spark gap. H. S. Bishop. 2,454,763, Nov. 30.
Electrode holder. H. Beauregard. 2,455,108, Nov. 30.
Electrooptical system, Nonlinear. N. R. Gunderson. 2,454,871, Nov. 30.
Elevating mechanism for food containers, Shelf. J. R. Bailey. 2,455,154, Nov. 30.
Elevator for loading trucks, Portable. J. R. Clark. 2,454,860, Nov. 30.
Elevator stop, Long or short line assembly. W. J. Swatzell. 2,455,279, Nov. 30.
Emergency wheel. A. C. Howell, Jr. 2,454,923, Nov. 30.
Enameling. J. C. Eckel and H. E. Romine. 2,455,331, Nov. 30.
Ethers of 5-hydroxy, 3-methyl, penta-3-en-yne-1. N. A. Milas. 2,455,261, Nov. 30.
Ethylhexoic acid, Manufacture of. B. Duval and K. H. W. Tuerck. 2,455,241, Nov. 30.
Exit for transport aircraft, Emergency aircraft. C. A. Bigelow. 2,455,157, Nov. 30.
Extractor: *See*—
Fruit juice extractor.
Eye opening and closing mechanism for dolls. W. N. Wheeler. 2,455,104, Nov. 30.
Fan blades in opening of rotary valve in two-cycle supercharged engines. D. K. Warner. 2,454,852, Nov. 30.
Fan, Constant thrust. D. S. Hersey. 2,455,251, Nov. 30.
Fastener: *See*—
Detachable sash fastener.
Fastener. K. A. Swanstrom. 2,455,145, Nov. 30.
Fastening device. G. A. Tinnerman. 2,455,028, Nov. 30.
Feed valve. R. R. Dupler. 2,455,240, Nov. 30.
Fiber, Free fall. I. V. Hitt. 2,455,174, Nov. 30.
File, Special purpose. G. L. Johnson. 2,455,064, Nov. 30.
Film magazine, Photographic. F. H. Owens. 2,455,187, Nov. 30.
Film spool, Contractile. E. G. Bader. 2,454,984, Nov. 30.
Film sprocket clamp. H. N. Fairbanks. 2,455,051, Nov. 30.
Filter element. D. D. Wallace. 2,454,982, Nov. 30.
Filtering, Method of and apparatus for. F. B. Lomax. 2,455,130, Nov. 30.
Finding system, Radio position. J. A. Ebeling. 2,455,164, Nov. 30.
Firing mechanism. E. Garrett. 3,454,790, Nov. 30.
Fish hook remover. A. S. Klinicki. 2,455,013, Nov. 30.
Fish lure. D. B. Baima. 2,455,155, Nov. 30.
Fishing tackle. B. J. Mattingly. 2,454,879, Nov. 30.
Fitting, Conduit. H. J. Brushaber. 2,454,767, Nov. 30.
Fitting device, Saw. T. Stennitt. 2,454,953, Nov. 30.
Fitting for pipe lines. L. S. Hamer. 2,455,121, Nov. 30.
Fitting, Pipe-line. L. S. Hamer. 2,455,120, Nov. 30.
Flashlight. O. D. Thurnell and J. J. Cannistra. 2,454,895, Nov. 30.
Flow control. L. A. Kempton. 2,454,929, Nov. 30.
Fluid, Drilling. W. F. Oxford, Jr. 2,455,188, Nov. 30.
Fluid operated motor. T. F. Stacy. 2,454,893, Nov. 30.
Flush box and toilet construction, Unit-type. S. S. Lenski. 2,455,128, Nov. 30.
Folding child's vehicle. R. E. Gilmore. 2,455,168, Nov. 30.
Foot pad. P. D. Rayner. 2,454,836, Nov. 30.
Footrest and pedal extension. P. Kaufman and R. Stovall. 2,454,969, Nov. 30.
Forming eyes on wire. I. Diamond. 2,454,997, Nov. 30.
4-Alkylmorpholine sulfur trioxide compounds. M. Scalera, C. T. Lester, and E. M. Hardy. 2,454,978, Nov. 30.
4-Amino-1,8-naphthalic imide disulfonic acids. M. Scalera and W. S. Forster. 2,455,095, Nov. 30.
4-dialkylaminoalkylamino-6-methoxyquinoline. H. A. Shonle and A. M. Van Arendonk. 2,454,949, Nov. 30.
Frame: *See*—
Retouching frame.
Frame construction for soft-sided luggage. G. G. Barton. 2,454,985, Nov. 30.
Frame for core strips, Holding. M. W. Perry. 2,455,268, Nov. 30.
Frequency changer. H. J. McCreary. 2,455,078, Nov. 30.
Frequency modulation. R. V. Langmuir. 2,454,971, Nov. 30.
Frequency modulation. D. G. C. Luck. 2,454,933, Nov. 30.
Frequency modulation. G. L. Usselman. 2,454,954, Nov. 30.
Fruit juice extractor. N. C. S. Allen. 2,454,905, Nov. 30.
Fuel indicating lighter. A. Harris. 2,454,872, Nov. 30.
Fuel injection pump. G. W. Baierlein. 2,455,289, Nov. 30.
Fuel pump drive for Diesel engines. R. H. Sheppard. 2,455,275, Nov. 30.
Furnace baffle. J. S. Wallis and J. W. Throckmorton. 2,455,201, Nov. 30.
Fuse puller. A. R. Marler. 2,454,878, Nov. 30.
Game apparatus, Pocket football. E. A. Spause. 2,454,891, Nov. 30.
Garment finishing device. J. C. Shaw and H. E. Blettner. 2,454,888, Nov. 30.
Garment hanger. P. S. Kempf. 2,455,066, Nov. 30.
Garment hanger. B. Levitin. 2,455,258, Nov. 30.
Garment hanger. H. E. Reynolds. 2,454,944, Nov. 30.
Gas filled machine. De W. S. Snell and L. P. Grobel. 2,454,979, Nov. 30.
Gate operating means. I. B. McKeown. 2,455,018, Nov. 30.
Gauge: *See*—
Shock gauge. Strain gauge.
Gearing and control, Engine starter. J. E. Buxton. 2,455,328, Nov. 30.
Gearing, Engine starter. J. E. Buxton. 2,455,327, Nov. 30.
Gearing, Engine starter. D. L. Miller. 2,455,339, Nov. 30.
Gearshift, Concentric steering column. M. Jovanovich and J. J. Wharam. 2,455,179, Nov. 30.
Geological exploration system. D. H. Clewell. 2,454,911, Nov. 30.
Girdle, Panty. J. E. Robbins. 2,455,272, Nov. 30.
Glazing and caulking material. P. L. McKee. 2,454,821, Nov. 30.
Glucosides of polyoxy compounds with cyclopentane-polyhydrophenanthrene ring system as have at least one free oxy group in the sterine skeleton, Production of such. I. Bennekou. 2,455,214, Nov. 30.
Glyceride oils with activated magnesium oxide, Treating. W. W. Moyer and R. A. Marmor. 2,454,937, Nov. 30.
Gocart, Collapsible. B. R. Hall. 2,455,119, Nov. 30.
Golf club. J. Verderber. 2,455,150, Nov. 30.
Golf game, Pitch and chip. M. D. May. 2,455,185, Nov. 30.
Governor, Centrifugal. L. De Marco. 2,454,913, Nov. 30.
Governor, Centrifugally operated electric. J. T. Janette. 2,455,335, Nov. 30.
Governor, Speed. H. E. Warren. 2,454,902, Nov. 30.
Grinder, Adjustable internal expansion. S. R. Keller. 2,455,065, Nov. 30.
Grinding machine. J. I. Garside. 2,455,004, Nov. 30.
Grinding machine, Crankpin. F. W. Foudy. 2,455,002, Nov. 30.
Gripper mechanism. R. H. Lawson. 2,454,876, Nov. 30.
Guard, Crib and bed. B. Newman. 2,455,340, Nov. 30.
Gun recoil spring surge dampener. V. F. Lucht. 2,454,818, Nov. 30.
Handle: *See*—
Auxiliary tool handle.
Handle for retracting breech bolts, Detachable operating. T. R. Robinson, Jr. 2,454,885, Nov. 30.
Hanger: *See*—
Garment hanger. Wiring channel hanger.
Picture hanger.
Hanger. F. L. Buxton. 2,454,908, Nov. 30.
Harness motions. E. C. Nichols. 2,455,263, Nov. 30.
Heat exchanging airplane propeller. I. B. Osofsky. 2,455,313, Nov. 30.
Heater: *See*—
Domestic electric heater.
Heater for hydrocarbon fluids. C. S. Reed. 2,454,943, Nov. 30.
Heater with nozzle heating means, Internal-combustion. L. A. Williams, Jr. 2,455,207, Nov. 30.
Heating system. F. C. Broderick. 2,455,040, Nov. 30.
Heating system. W. W. Hallinan. 2,455,250, Nov. 30.
Heating system, Hot-water. F. C. Broderick. 2,455,039, Nov. 30.
Heating unit, Electric. S. J. Temple. 2,455,102, Nov. 30.
Heavy-duty electrode holder. M. Wells. 2,455,325, Nov. 30.
Hexachlorobutadiene, Making. E. T. McBee and L. W. Devaney. 2,454,820, Nov. 30.
Hoist attachment for tractors. E. Sadusky and H. T. Thompson. 2,455,093, Nov. 30.
Holder: *See*—
Christmas tree holder. Pencil holder.
Electrode holder. Ready-reference card index holder.
Heavy-duty electrode holder. Sash holder.
Holder for thermionic tubes. G. Wagstaff. 2,455,324, Nov. 30.
Holders and display devices, Fabricating merchandise. F. H. Bowers. 2,455,109, Nov. 30.
Hook. R. F. Tatom. 2,454,894, Nov. 30.
Humidity control, Refrigerator. J. J. Bauman. 2,454,855, Nov. 30.
Hydraulic apparatus. W. C. Denison, Jr. 2,455,330, Nov. 30.
Hydraulic apparatus. T. E. Raymond. 2,455,271, Nov. 30.
Hydraulic fluid, Noncombustible. F. J. Glavis and H. T. Neher. 2,455,117, Nov. 30.
Hydrocarbons, Treatment of liquid. C. O. Hoover. 2,455,061, Nov. 30.
Hydrogel catalysts by distilling with butanol, Drying. J. A. Pierce and C. N. Kimberlin, Jr. 2,454,941, Nov. 30.
Hydrogen peroxide, Manufacture of. L. H. Dawsey, R. R. Umhoefer, and C. R. Muehlhausser. 2,455,238, Nov. 30.
Ice tray. S. W. E. Andersson. 2,454,958, Nov. 30.
Ice tray. H. C. Berkeley. 2,454,960, Nov. 30.
Igniting propellant in rocket motors. H. W. Mace and B. H. Chamberlain. 2,455,015, Nov. 30.
Ignition control. D. B. Waring. 2,455,344, Nov. 30.
Implement seat support. C. W. Chindlund. 2,454,990, Nov. 30.

Indicating system. G. E. Valley, Jr. 2,455,283, Nov. 30.
Indicator: *See*—
Liquid level indicator.
Single contact dial indicator.
Initiator for explosive charges, Delay action. E. Jones. 2,455,336, Nov. 30.
Instrument, Musical. A. O. Williams. 2,455,032, Nov. 30.
Instrument, Pressure transmitting. A. J. Rosenberger. 2,454,946, Nov. 30.
Insulating material containing polystyrene and plasticizer and making. A. J. Warner and M. Bakst. 2,454,851, Nov. 30.
Internal pipe wrench. L. R. Hall. 2,455,005, Nov. 30.
Iron: *See*—
Soldering iron.
Jacket, Water-cooling. E. F. Zimmerman. 2,454,957, Nov. 30.
Joint. F. W. Slack and C. C. Utz. 2,455,343, Nov. 30.
Joints of hollow beams. A. Borges. 2,455,217, Nov. 30.
Kick stand. H. L. Mueller. 2,455,312, Nov. 30.
Knob construction for locks. L. J. Kalwo. 2,454,927, Nov. 30.
Knockout, Printer's. C. W. Wright. 2,455,033, Nov. 30.
Lamp: *See*—
Ecliptic flasher lamp.
Lamp base asssembly. W. F. Masterson. 2,455,131, Nov. 30.
Lamp locking device, Fluorescent. M. A. Harris. 2,455,333, Nov. 30.
Latch: *See*—
Drop bottom mine car latch.
Latching device. N. C. Coates. 2,455,163, Nov. 30.
Lath board. G. A. Buttress. 2,455,016, Nov. 30.
Lathe dog. J. C. Leone. 2,455,071, Nov. 30.
Lawn washer and sprinkler support. E. R. Bremer. 2,455,037, Nov. 30.
Leads to electrical capacitors, Securing. M. J. Obert. 2,455,136, Nov. 30.
Lighter: *See*—
Fuel indicating lighter.
Lighter shell and making same. C. D. Dosker. 2,454,998, Nov. 30.
Lighting fixture cover. G. W. Beals. 2,455,107, Nov. 30.
Linkage, Mechanical. L. Cook. 2,455,329, Nov. 30.
Lipovitellenin from egg yolk, Isolation of. H. L. Fevold and A. L. Dimick. 2,454,915, Nov. 30.
Liquid fuel burner. R. W. De Laucey. 2,455,115, Nov. 30.
Liquid level indicator. C. F. Wallace. 2,455,200, Nov. 30.
Litter stretcher-bar assembly. S. G. Thomson. 2,455,027, Nov. 30.
Load and voltage recordings of electrical distribution systems on a single recorder, Obtaining. T. Oakley. 2,454,882, Nov. 30.
Load leveler for power scoops. B. Burrow. 2,455,160, Nov. 30.
Lock: *See*—
Tube lock.
Lock construction. E. J. Heineman. 2,454,920, Nov. 30.
Lock construction. L. J. Kalwo. 2,454,928, Nov. 30.
Lock device for compartment doors. E. N. Jacobi. 2,454,926, Nov. 30.
Lubricants for textile materials. A. Moscowitz. 2,454,822, Nov. 30.
Machine for cutting handholes. A. C. Coker. 2,454,861, Nov. 30.
Machine guns in airplanes, Mounting. P. H. Kemmer, C. E. Reichert, and C. S. Butt, Jr. 2,454,806, Nov. 30.
Machine tool. R. M. Gamble. 2,454,916, Nov. 30.
Magnet device, Floor sweeping. R. H. Stearns. 2,455,319, Nov. 30.
Marble game. F. H. King. 2,455,012, Nov. 30.
Marking system. H. C. Hayslip. 2,455,007, Nov. 30.
Means to connect tractor and trailer sections and for effecting steering thereof. H. G. Traver. 2,455,147, Nov. 30.
Measurement of corrosive characteristics of the soil. R. L. Starkey and K. M. Wight. 2,454,952, Nov. 30.
Measuring device, Capacitive angular velocity. B. E. Watt. 2,455,345, Nov. 30.
Measuring the color quality of light, Method of and apparatus for. V. O. Gittus. 2,455,116, Nov. 30.
Mechanism for effecting the regulation and automatic control of the temperature of bath water. C. R. Spencer and D. G. Wilhelm. 2,455,144, Nov. 30.
Mechanism for moving movable members. H. L. Bowditch. 2,455,326, Nov. 30.
Metal surfaces, Protecting. E. G. Cobb. 2,455,114, Nov. 30.
Meter: *See*—
Accumulator meter.
Pressure meter.
Metering device and heat exchanger for refrigerators, Combination. M. T. Cahenzli, Jr. 2,455,298, Nov. 30.
Methallylbenzene and related compounds, Preparation of. D. Davidson and S. J. Kahn. 2,454,779, Nov. 30.
Microphone, Guitar magnetic. H. De Armond. 2,455,046, Nov. 30.
Milling tool. H. M. Brancher. 2,454,764, Nov. 30.
Milling tool. L. F. Catlin, Sr., R. Rourke, and L. F. Catlin, Jr. 2,455,230, Nov. 30.
Mixer: *See*—
Motor-driven food mixer.
Mixing bowl, Mechanical. R. E. Irish. 2,455,177, Nov. 30.
Mold. E. Mayer. 2,454,819, Nov. 30.
Mold, mold charging, and molding process. F. A. Slack, Jr. 2,454,847, Nov. 30.
Molded scabbards, Making. E. L. Beckwith and C. P. MacIver. 2,455,215, Nov. 30.
Motor: *See*—
Fluid operated motor.
Windshield wiper motor.
Synchronous electric motor.
Motor control apparatus, Electric. R. H. Griest. 2,455,247, Nov. 30.
Motor-driven food mixer. A. W. Seyfried. 2,455,026, Nov. 30.
Motor mount and motor drive means for phonographs. D. W. Sweighert. 2,455,280, Nov. 30.
Motor with valved flexible piston, Expansible chamber. L. Francis. 2,455,245, Nov. 30.
Mounting: *See*—
Antenna mounting.
Vehicle wheel mounting.
Saxophone key mounting.
Mounting for electric motors, Brush. E. Bylund. 2,454,909, Nov. 30.
Mounting for outboard motors. G. W. Martin. 2,454,972, Nov. 30.
N-propyl diaminodiphenylsulfone and obtaining same. A. L. Rawlins. 2,454,835, Nov. 30.
Natural gums or resins, Blanching. L. R. Van Allen. 2,455,199, Nov. 30.
Network, Time-delay. M. J. Di Toro. 2,454,865, Nov. 30.
Optical apparatus for showing rotating parts at rest. N. F. Barnes. 2,454,959, Nov. 30.
Optical method and apparatus for checking propeller blades. E. F. Flint. 2,455,053, Nov. 30.
Ordnance chambrage and cartridge case. R. W. Miller and E. B. Powell. 2,455,080, Nov. 30.
Package of individual cleansing tissue. R. G. Dexter. 2,454,864, Nov. 30.
Packages, Drying wound. G. G. Whytlaw. 2,454,854, Nov. 30.
Packing. C. Ware. 2,455,202, Nov. 30.
Pad: *See*—
Foot pad.
Pallet, Material supporting. F. S. Sullivan. 2,455,197, Nov. 30.
Paper cup and handle therefor. W. E. Amberg. 2,454,906, Nov. 30.
Parachute. H. Caplan. 2,455,044, Nov. 30.
Parachute, Ribbon. F. S. Weinig. 2,454,853, Nov. 30.
Parking device. J. H. Moffat. 2,455,133, Nov. 30.
Pencil holder. R. M. McNeill. 2,455,019, Nov. 30.
Phasing system. C. L. Townsend. 2,455,323, Nov. 30.
Phenothiazine and producing same, Water dispersible. L. M. Geiger and D. L. Marsh. 2,455,054, Nov. 30.
Photonibum leaf. H. F. Schmiege. 2,455,023, Nov. 30.
Photographic enlarger with exchangeable lenses and adjustable lamp housing, Condenser type. R. and A. Simmon. 2,455,142, Nov. 30.
Piano mechanism. A. N. Prevost. 2,455,139, Nov. 30.
Picture hanger. C. O. Larson. 2,454,813, Nov. 30.
Piezoelectric crystal support. F. A. M. Busnel. 2,454,769, Nov. 30.
Pin structure, Coupling. C. R. Wilson. 2,455,105, Nov. 30.
Pipe wrench having a pivoted and adjustable outer jaw. R. D. Bryan. 2,455,041, Nov. 30.
Pitch changing mechanism, Electrically operated. A. G. Forsyth. 2,455,000, Nov. 30.
Plant for the rapid manufacture of straw hats. O. Kohler and W. Rieder. 2,455,257, Nov. 30.
Plasticizers for polyvinyl acetal resins. H. R. Gamrath. 2,455,301, Nov. 30.
Plate, Connecting base. I. J. Israelski. 2,454,803, Nov. 30.
Plug assembly. A. G. Richardson and M. Kaplan. 2,454,838, Nov. 30.
Polyvinyl chloride compositions, Plasticizing. L. B. Morgan, P. Russell, A. A. Gibson, R. A. Kinnear, and R. G. Heyes. 2,455,042, Nov. 30.
Portable surgical table. H. E. Hipps. 2,454,802, Nov. 30.
Potash from wyomingite, Extracting. R. D. Pike. 2,455,190, Nov. 30.
Potato digger attachment for tractors. F. P. Noffsinger. 2,455,264, Nov. 30.
Potentiometer. M. M. Levy. 2,454,816, Nov. 30.
Power supply to multiple loads, High-frequency. J. S. Engel. 2,454,784, Nov. 30.
Preheating installation in boilers for quick heating and steaming. R. H. Robinson. 2,455,192, Nov. 30.
Pressure meter. F. Rieber. 2,455,021, Nov. 30.
Prevention of mist and frost on glass and similar sheet material. R. H. Sapiro. 2,454,886, Nov. 30.
Printing plate and base mount therefor. W. A. Madigan. 2,455,075, Nov. 30.
Projector and incandescent lamp therefor, Electric headlamp. R. K. Braunsdorff. 2,454,765, Nov. 30.
Projector for amusement devices, Coin and disk. R. S. Oakes. 2,454,939, Nov. 30.
Projector, Rocket. D. F. Stevens. 2,455,101, Nov. 30.
Protector: *See*—
Compressor load protector. Door lock protector.
Protogenous substances, Solubilizing. J. A. Reyniers. 2,454,837, Nov. 30.
Puller: *See*—
Fuse puller.

Pulse echo system for distance measuring. P. K. Chatterjea and L. W. Houghton. 2,454,772, Nov. 30.
Pulse radar system. D. E. Norgaard. 2,455,265, Nov. 30.
Pump: *See*—
Deep well pump.
Submersible double-acting fluid piston deep well pump.
Fuel injection pump.
Rotary flexible vane pump.
Rotary pump.
Variable stroke pump.
Raceway, Electrical. M. M. Clayton. 2,455,231, Nov. 30.
Rack: *See*—
Storage tank rack.
Towel rack.
Radio circuit selector switch. G. R. Pennington. 2,455,137, Nov. 30.
Radio-frequency network. G. H. Brown. 2,454,907, Nov. 30.
Radio receiver, Interference reducing. G. J. Lehmann. 2,454,814, Nov. 30.
Radio transmitting and receiving system. E. Labin. 2,454,810, Nov. 30.
Razor, Safety. W. J. Wolpert. 2,455,152, Nov. 30.
Ready-reference card index holder. Q. T. Turner. 2,455,103, Nov. 30.
Reagent and resolving emulsions. W. H. Kirkpatrick and D. L. Wilson. 2,454,808, Nov. 30.
Receiver, particularly for watch on broad frequency bands, Radio-electric. R. Hardy. 2,454,797, Nov. 30.
Receiving system, Signal. H. J. Fisher. 2,455,052, Nov. 30.
Recorder, Heated stylus inkless. H. T. Faus. 2,454,966, Nov. 30.
Rectifier, Metal. A. M. Searle. 2,454,843, Nov. 30.
Rectifier stack. M. F. Skinker. 2,454,846, Nov. 30.
Refractory structures, Basic. E. C. Hite. 2,454,922, Nov. 30.
Regeneration of activated carbon by inorganic liquid treatment. G. J. Meerdink. 2,455,260, Nov. 30.
Resistance device, Variable. A. O. Beckman. 2,454,986, Nov. 30.
Retouching frame. P. Schmadlewsky. 2,455,096, Nov. 30.
Retrieving apparatus. R. Ring. 2,454,839, Nov. 30.
Ricer, Potato. J. D. Pacotto. 2,455,267, Nov. 30.
Rosin, Polymerization of. B. L. Hampton. 2,454,795–6, Nov. 30.
Rotary flexible vane pump. E. C. Rumsey. 2,455,194, Nov. 30.
Rotary pump. E. L. Grate. 2,455,303, Nov. 30.
Rotor for electric motors and making the same. T. R. Wieseman. 2,454,955, Nov. 30.
Safety eyeglass case. W. H. Mercer. 2,455,079, Nov. 30.
Sash holder. A. Hakanson. 2,454,794, Nov. 30.
Saw, Adjustable radial kerfing. A. Scianna. 2,455,097, Nov. 30.
Saw, Masonry. N. C. Coates. 2,455,113, Nov. 30.
Saxophone key mounting. F. E. Comer. 2,455,232, Nov. 30.
Scraper, Chimney. V. Fortin. 2,455,001, Nov. 30.
Scum removing apparatus. A. C. Lind. 2,455,338, Nov. 30.
Seal for chutes of concrete mixers. H. C. Peters. 2,454,940, Nov. 30.
Sealer for containers, Hand. J. Coyle. 2,455,045, Nov. 30.
Sealing element for valves. A. L. Parker. 2,455,087, Nov. 30.
Sealing machine, Tube. G. G. Schneider. 2,455,317, Nov. 30.
Seam welding apparatus, Electric resistance. C. S. Seltzer. 2,454,948, Nov. 30.
Seating structure, Springy adjustable. M. M. Cunningham. 2,454,912, Nov. 30.
Selenium boiler. C. S. Smith, Jr., and S. Blumenthal. 2,455,277, Nov. 30.
Selenium rectifier element. C. E. Holmes. 2,455,176, Nov. 30.
Shading process for photographs. H. J. Tuthill. 2,454,898, Nov. 30.
Shaft bearing. D. Firth. 2,455,166, Nov. 30.
Shaped articles, Making. G. T. Vaala. 2,455,198, Nov. 30.
Sharpening device, Axe. T. Lee. 2,455,014, Nov. 30.
Shears, Surgical cast. A. J. Hood. 2,455,009, Nov. 30.
Sheet feeding method and apparatus therefor. F. R. Beliuche. 2,454,762, Nov. 30.
Shock absorbing bearing. E. Morf. 2,455,081, Nov. 30.
Shock gauge. C. H. Grogan and C. E. Crede. 2,454,793, Nov. 30.
Shoe last. G. Clausing. 2,455,294, Nov. 30.
Shoe mounting for projectors, Tension. E. J. Wienke. 2,455,206, Nov. 30.
Shoulder support for garment finishing apparatus, Adjustable. J. H. Richa and F. E. Hanson. 2,454,977, Nov. 30.
Signal: *See*—
Automobile position signal.
Signaling device, Emergency day and night. M. Dwyer. 2,455,242, Nov. 30.
Signaling system, Electric alarm. E. Cohrt. 2,454,775, Nov. 30.
Signaling system, Electric selective. L. R. Frost. 2,454,967, Nov. 30.
Signaling system, Pulse. E. Labin and D. D. Grieg. 2,454,811, Nov. 30.
Single contact dial indicator. H. G. Magealson. 2,455,076, Nov. 30.
Ski trainer and exerciser. C. A. Scriver. 2,455,274, Nov. 30.
Sled. I. Shakowitz. 2,455,318, Nov. 30.
Soldering iron. R. W. Hyde. 2,454,875, Nov. 30.
Solids according to specific gravity, Centrifugal separation of. J. Harrington. 2,454,798, Nov. 30.
Speed control, Grinder. V. W. Bunker. 2,454,988, Nov. 30.
Spherical adsorbent particles, Preparation of. J. A. Pierce and C. N. Kimberlin, Jr. 2,454,942, Nov. 30.
Spinning top. G. A. Geddes. 2,454,918, Nov. 30.
Spotlight, Automotive. R. T. Larson. 2,454,931, Nov. 30.
Spray cooling apparatus for milk cans. D. Donnelly. 2,455,162, Nov. 30.
Spring: *See*—
Bed spring.
Spring heel for footwear. H. H. Smith. 2,454,951, Nov. 30.
Spring holding device for vehicles. F. L. Dahleen. 2,454,996, Nov. 30.
Spring supported rocking chair. W. J. La Valliere. 2,454,932, Nov. 30.
Stainless steel, Production of. D. L. Loveless. 2,455,073–4, Nov. 30.
Stand: *See*—
Bicycle kick stand.
Kick stand.
Christmas tree stand.
Stand for displaying merchandise, Display. R. R. Stewart and J. W. Blewen. 2,455,278, Nov. 30.
Steaming or vaporizing means. K. Weik. 2,454,903, Nov. 30.
Steering column gearshift operating mechanism, Concentric. J. J. Wharam and M. Jovanovich. 2,455,204, Nov. 30.
Steering gear for operating the rudders of ships, Hydraulic marine. W. T. Pritchard. 2,455,090, Nov. 30.
Storage tank rack. C. E. McCormick. 2,455,017, Nov. 30.
Strain gauge. F. F. Versaw. 2,455,285, Nov. 30.
Strainer. S. P. Kinney and L. M. Hartwick. 2,455,181, Nov. 30.
Stroboscopic apparatus for calibrating time indicating devices. J. M. Weinberger. 2,454,983, Nov. 30.
Stroke eccentric mechanism, Adjustable. N. Michelman. 2,454,881, Nov. 30.
Structural member, Composite. P. W. Abeles. 2,455,153, Nov. 30.
Stud for welding. C. S. Evans. 2,455,244, Nov. 30.
Styrene resin, Making. S. G. Burroughs. 2,455,225, Nov. 30.
Submersible double-acting fluid piston deep well pump. B. F. Schmidt. 2,455,022, Nov. 30.
Sulfonates and products thereof, Preparing insolubilized. J. T. Thurston. 2,455,282, Nov. 30.
Support: *See*—
Adjustable heater support.
Piezoelectric crystal support.
Implement seat support.
Lawn washer and sprinkler support.
Support means for idler rollers. F. N. Smith. 2,455,100, Nov. 30.
Surgical cast cutter. A. J. Hood. 2,455,008, Nov. 30.
Sweep for radar oscilloscopes, Adjustable expanded. L. A. de Rosa. 2,454,782, Nov. 30.
Switch: *See*—
Radio circuit selector switch.
Time switch.
Switch control device. A. Buttner. 2,455,161, Nov. 30.
Synchronizing mechanism. D. M. Lawrence. 2,455,070, Nov. 30.
Synchronous electric motor. T. Mungall, Sr. 2,455,134, Nov. 30.
System for corrosion protection. G. L. Young. 2,454,956, Nov. 30.
System for magnetic deflection in cathode-ray tubes. J. Haantjes. 2,455,171, Nov. 30.
Table: *See*—
Automobile service table.
Portable surgical table.
Telecommunication switching system. G. Deakin. 2,454,780, Nov. 30.
Telephone system utilizing register controlled final selector switches. J. Kruithof and M. D. Hertog. 2,454,809, Nov. 30.
Tensioned roving and forming same. R. B. Newton. 2,454,830, Nov. 30.
Tetrahydrofurfuryl alcohol containing furfural and furfuryl alcohol as impurities, Purification of. J. G. M. Bremner and D. G. Jones. 2,455,159, Nov. 30.
Tetralol, Manufacture of. R. Johnson. 2,454,804, Nov. 30.
Thermohydrometer. A. Hoyer. 2,455,010, Nov. 30.
Thermostatic device for draining condensate from steam cylinders and the like. J. A. Heva. 2,455,305, Nov. 30.
Thin-wall tubing connector. F. J. Kennedy. 2,455,180, Nov. 30.
Throttle control, Automatic. S. C. Copeland. 2,455,233, Nov. 30.
Time switch. E. R. Schott. 2,454,887, Nov. 30.

Toe creasing machine. R. W. Wirtz. 2,455,106, Nov. 30.
Tonsillar instrument. V. E. Landry. 2,455,068, Nov. 30.
Tool: *See*—
Automatic striking tool. Milling tool.
Machine tool.
Tool. F. H. Lobdell. 2,455,183, Nov. 30.
Tool for handling retaining rings. R. Feiti. 2,455,165, Nov. 30.
Tooth cleaning kit, Disposable. E. M. Curran. 2,454,995, Nov. 30.
Torsion specimen and holder for same. D. M. Van Winkle and D. C. Buffum. 2,454,850, Nov. 30.
Totalizing device. A. A. Markson. 2,455,184, Nov. 30.
Towel rack. T. W. Bell. 2,455,213, Nov. 30.
Towing device, Automobile. A. J. Roth. 2,455,140, Nov. 30.
Traction device for tractors. H. N. Boyer. 2,455,110, Nov. 30.
Traction device for wheeled vehicles. B. D. Irvin. 2,455,307, Nov. 30.
Transmission, Variable-speed. G. C. Cooke. 2,454,991, Nov. 30.
Transmission, Variable speed and power. F. J. Morith. 2,455,082, Nov. 30.
Transmitter employing a cathode-ray tube time modulator, Pulse multiplex. P. K. Chatterjea and L. W. Houghton. 2,454,773, Nov. 30.
Transmitter-receiver, Velocity variation. A. L. Samuel. 2,455,094, Nov. 30.
Transportation bracket. R. Case. 2,455,228–9, Nov. 30.
Treating milk, blood, and other globular liquids, Process and apparatus for. S. B. Crespi. 2,455,235, Nov. 30.
Tricycle, Convertible. A. M. Teta. 2,455,281, Nov. 30.
Truss. W. C. Pfahl. 2,454,833, Nov. 30.
Tube: *See*—
Ultra high frequency tube.
Tube and mounting therefor, Vacuum. W. T. Gibson. 2,454,791, Nov. 30.
Tube cleaner having adjustable table tube-engaging means, Self-propelled. D. E. Schott and G. R. Bartle. 2,455,273, Nov. 30.
Tube lock. W. D. Launder. 2,455,069, Nov. 30.
Tube socket, Radio. A. W. Franklin. 2,455,300, Nov. 30.
Tubes and the like, Soldering bourdon. N. Levin. 2,455,309, Nov. 30.
Tuyère, Blast furnace. J. H. Sprow. 2,454,892, Nov. 30.
2-Methyl-3-hydroxy-4-hydroxymethyl pyridine and its acid salts. G. J. Martin and S. Avakian. 2,455,259, Nov. 30.
2-Monosubstituted pyrimidines, Production of. G. W. Hearne, T. W. Evans, and H. L. Yale. 2,455,172, Nov. 30.
Ultra high frequency device. W. L. Barrow and W. W. Mieher. 2,454,761, Nov. 30.
Ultra high frequency tube. R. S. Briggs. 2,455,218, Nov. 30.
Ultra high frequency tube. H. J. McCarthy. 2,455,310, Nov. 30.
Umbrella. O. J. Alvarez. 2,455,288, Nov. 30.
Undergarment construction. I. Combs. 2,454,963, Nov. 30.
Unit, Thermally responsive. F. R. Higley. 2,455,306, Nov. 30.
Unsaturated alcohols, Preparing. G. H. Morey. 2,454,936, Nov. 30.
Urea-aldehyde resin dispersions, Making. L. S. Engle, E. Sheridan, and E. K. Fischer. 2,454,785, Nov. 30.
Vacuum scuffler. H. Cartmell and C. Carey. 2,455,226, Nov. 30.
Valve: *See*—
Feed valve.
Valve and dither mechanism therefor, Pilot operated hydraulic. A. G. Rose and K. H. Nicholls. 2,455,315, Nov. 30.
Valve assembly for fuel injector pumps, Discharge. G. W. Balerlein. 2,455,290, Nov. 30.
Valves, Making. P. E. Cooley. 2,455,299, Nov. 30.
Vaporizer and protecting cover, Electrical oxygen. J. A. Mathis and R. W. Milan. 2,454,934, Nov. 30.
Variable stroke pump. R. J. Ifield. 2,455,062, Nov. 30.
Vehicle: *See*—
Folding child's vehicle.
Vehicle wheel mounting. R. E. Blanton. 2,455,216, Nov. 30.
Velocity variation apparatus. J. R. Pierce. 2,455,269, Nov. 30.
Venetian blind head-bar organization. H. Nelson. 2,455,135, Nov. 30.
Vibrator and circuit therefor. C. Huetten. 2,455,253, Nov. 30.
Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. J. Faust. 2,454,825, Nov. 30.
Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. J. Faust. 2,454,828, Nov. 30.
Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. L. Liberthson and J. Faust. 2,454,826, Nov. 30.
Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. A. Moscowitz. 2,454,823–4, Nov. 30.
Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. A. Moscowitz. 2,454,827, Nov. 30.
Washer, Barrel. G. L. Hurst. 2,454,924, Nov. 30.
Water- and weatherproofing construction of casings for binoculars. P. H. Case. 2,454,859, Nov. 30.
Water fountain for poultry. W. G. Armstrong. 2,455,211, Nov. 30.
Web tension equalizing device. G. J. Crocker. 2,454,863, Nov. 30.
Welder for wire mesh fabrics. C. C. Wickwire. 2,455,346, Nov. 30.
Welding apparatus, Electric. K. V. Hart. 2,455,057, Nov. 30.
Wheel: *See*—
Buffing wheel. Emergency wheel.
Wheel starter. J. F. Schroeder. 2,454,947, Nov. 30.
Wheel trim. E. L. Wood. 2,455,151, Nov. 30.
Windshield wiper motor. H. E. Perez. 2,455,089, Nov. 30.
Window molding. P. H. Pelley. 2,454,975, Nov. 30.
Windrow device. C. W. Hansen and F. N. G. Kranick. 2,455,122, Nov. 30.
Winglock slider for slide fasteners. L. L. Jones. 2,455,178, Nov. 30.
Wire and strip electroprocessing machine, Continuous. C. G. Miller. 2,454,935, Nov. 30.
Wire transposing device. R. Case. 2,455,227, Nov. 30.
Wiring channel hanger. R. M. Runge. 2,455,141, Nov. 30.
Wood veneer, Dry expansion of. J. R. Francek. 2,454,787, Nov. 30.
Work holder for woodworking machines. A. Pedersen. 2,455,189, Nov. 30.
Wrench: *See*—
Internal pipe wrench.
Yarn assembly. D. Tann. 2,455,146, Nov. 30.
Yarn treating apparatus. I. V. Hitt. 2,455,173, Nov. 30.
Zirconia opacifiers and making. L. C. Hurd, A. J. Vander Weyden, and J. D. Stroupe. 2,455,123, Nov. 30.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 30, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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2,455,337: 252—45.6
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CLASSIFICATION OF DESIGNS

D 3— 4: Des.151,880
Des.151,881
Des.151,943
13: Des.151,882
Des.151,883
17: Des.151,885
26: Des.151,887
Des.151,941
D 7— 7: Des.151,870
D 8— 1: Des.151,871
D10— 7: Des.151,873
D17—10: Des.151,874
D20— 4: Des.151,934
Des.151,937

D26— 5: Des.151,913
13: Des.151,907
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D31— 4: Des.151,875
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D52— 7: Des.151,905
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D58— 9: Des.151,909
11: Des.151,884
25: Des.151,945
D61— 1: Des.151,878
Des.151,947
D81— 2: Des.151,936
19: Des.151,906
Des.151,935
D90—2): Des.151,886
D93— 4: Des.151,876
Des.151,908

U. S. GOVERNMENT PRINTING OFFICE: 1948

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

CARL W. OSBORNE *v.* HERBERT F. PATTERSON AND OTTO W. SCHOTZ

[169 F.2d 817; 79 USPQ 72]

No. 5476. Decided June 1, 1948. Petition for Rehearing Denied Sept. 30, 1948

1. INTERFERENCE—CONSTRUCTION OF COUNTS.
When there is no contention that the language of the counts is vague, ambiguous, or indefinite, *Held* that they must be construed as broadly as their language will reasonably permit.

2. SAME—SAME—"AUTOMATICALLY CONTROLLED MEANS."
When appellant insists that the "automatically controlled means" requires that the responsive element thereof must be a single or unitary device, *Held* that a means for performing any function includes all of the elements contributing to such performance, regardless as to the number of kind of such elements.

3. SAME—VARIABLE SPEED TRANSMISSION.
Held that since the counts are supported by the application of appellees, we find no error in the decision of the Board of Interference Examiners awarding priority of invention of the subject matter of the two counts to appellees.

APPEAL from the Patent Office. Interference No. 81,935.

AFFIRMED.

Max W. Zabel, Edward C. Gritzbaugh and *Benton Baker* for Osborne.

Sidney A. Ochs (*Charles M. Thomas* and *Harness, Lind, Pattee, and Harris* of counsel) for Patterson et al.

JACKSON, *J.*:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners awarding priority of invention of the subject matter of two counts copied from the patent of appellant by appellees for the purpose of provoking this interference.

The interference involves appellant's Patent No. 2,328,291, dated August 31, 1943, on an application, Serial No. 403,198, filed January 19, 1941, and an application of appellees, Serial No. 360,068, filed August 7, 1940. The Borg-Warner Corporation is the assignee of appellant's patent and the Chrysler Corporation is assignee of the application of appellees.

The counts read as follows:

1. A variable speed transmission comprising in combination a countershaft type unit having low, second and direct drive ratios, and a planetary type unit having direct drive and overdrive ratios, automatically controlled means for effecting shifts between second and direct drive in the countershaft unit and between direct drive and overdrive in the planetary unit, said means being adapted to effect up shifts from second to direct to overdrive direct, and manually operated overcontrol means for effecting downshifts from overdrive direct to overdrive second to second.

2. A variable speed transmission comprising in combination a countershaft type unit having low, second and direct drive ratios, and a planetary type unit having direct drive and overdrive ratios, automatically controlled means for effecting shifts between second and direct drive in the countershaft unit and between direct drive and overdrive in the planetary unit, said means being adapted to effect upshifts from second to direct to overdrive direct, manually operated overcontrol means for effecting down-shifts from overdrive direct to overdrive second to second, and means for limiting said down-shifts above a predetermined speed of operation of one of the units from overdrive direct to direct only.

After the preliminary statements had been opened, appellant was placed under an order to show cause why judgment on the record should not be entered against him for the reason that all of the dates alleged by him were subsequent to the filing date of appellees.

Thereupon appellant moved to dissolve the interference alleging that the counts are not readable on the disclosure of the application of appellees; that the disclosure of appellees is inoperative to perform the functions stated in the counts; that appellees' disclosure is radically different from that of appellant's patent; and that the counts should be interpreted in the light of the patentee's disclosure. The motion to dissolve was opposed by appellees on the ground that the allegations contained therein are not supported in fact and in law.

The Primary Examiner denied appellant's motion and final hearing was had before the Board of Interference Examiners for a review of the Primary Examiner's decision. The Board in its decision affirmed both the conclusion and reasoning given by the Examiner.

The inventions of the parties in general concern a power transmission device for motor vehicles directed to speed change transmissions and the controls thereof. The devices comprise a countershaft transmission connected in tandem with an overdrive unit of the planetary type. Each unit is designed so as to be actuated by means of an electromagnetically controlled power device in accordance with the speed of the vehicle and the manipulation of the conventional accelerator pedal.

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The structures upon which the issue of fact depends are very complicated and highly complex. It will not be necessary, however, to describe those structures in detail.

[1] It will be noted that the counts are identical except for the last clause appearing in count 2, and the parties appear to agree that such difference does not affect the questions before us. There is no contention that the language of the counts is vague, ambiguous, or indefinite, and, therefore, they must be construed as broadly as their language will reasonably permit. *Moniz* v. *Kronmiller*, 25 CCPA (Patents) ——, 168 F.2d 100, 77 USPQ 628, 614 O. G. 18. For the reasons hereinbefore set out, we will confine our discussion to count 1.

That count defines a transmission structure comprising a combination of a countershaft type transmission with two forward speeds. Those transmissions are conventional and well known in the automotive art. The novelty which is said to be here involved is in the providing of mechanism to make possible and to effectuate the bringing into operation of sequences of combinations of the transmission's speed or gear positions in the ordinary operation of the structure. The novel parts of the combination in the structure are recited in the count as "automatically controlled means" and a "manually operated overcontrol means." The automatically controlled means is made effective by being responsive to conditions obtaining in the structure, and the manually operated overcontrol means is such that it will supersede the automatically controlled means by manual operation.

[2] It is the contention of appellant that the means disclosed by appellees with respect to the automatically controlled means does not respond to the count because appellees use as a responsive element, in effecting the gear shift from second to direct, a separate speed responsive switch and also a centrifugal clutch, which is a distinct and separate element for effecting the overdrive in the planetary transmission in which the shift from direct to overdrive is accomplished. Arguing in support of that contention, appellant insists that the "automatically controlled means" requires that the responsive element thereof must be a single or unitary device. We can not agree with such contention. It has been held many times in this and other courts that a means for performing any function includes all of the elements contributing to such performance, regardless as to the number or kind of such elements. *Moniz* v. *Kronmiller*, supra.

With respect to the "manually operated overcontrol means" by which down-shifts are made from overdrive direct to overdrive second speed and from overdrive second to second speed in place of the normal reverse of sequence of upshifts, taken care of by the automatic means, reads on the disclosure of appellees in their system which is under control of an accelerator pedal operated switch. When that switch is closed by full depression of the pedal, as the machine is working in overdrive direct within a set range of speeds, it will "kick down" the transmission to overdrive second speed in conjunction with the effect of the centrifugal clutch upon the operation of the throttle, thus obtaining a reversal of torque. Such operation is accomplished without opening the pedal switch. If such switch were opened, direct drive might be restored in the countershaft transmission during speed which is below the set range to shift down from the overdrive. Therefore, in our opinion, the shift down sequence, obtained as above set out, is determined by a manual operation, and consequently fully responds to the limitation "manually operated overcontrol means" of the count.

It is contended by appellant that because the second down shift in appellees' device is made by operation of the centrifugal clutch, that such down shift is wholly automatic and without manual control. However, the centrifugal clutch is clearly only one of the elements of the manually operated means. The foot pedal must first be operated in order to bring about the second shift of the speed sequence and condition it for the second shift thereof, and it must be manipulated to allow the centrifugal clutch to be operated and at the same time prevent reshift in the countershaft transmission to direct drive, and thus prevent selection of the second shift in the overcontrol means. Consequently the clutch as well as the pedal comprise the means. Since no structure is recited in the count defining the means, the expression "manually operated overcontrol means" must be a definition of the means as a whole when functionally viewed. That limitation of the count can not properly be interpreted in a restricted fashion to some unidentified subcombination of the means, as appellant appears to contend. Therefore, in our opinion, the disclosure of appellant supports the count, as was held by both the Primary Examiner and the Board.

While the devices of the parties are different, such difference is not so great that they will not both support the same count, and we find nothing in the record which could require reading into the count limitations which fit only the disclosure of appellant.

[3] Since we are of opinion that the counts are supported by the application of appellees, we find no error in the decision of the Board of Interference Examiners.

Diminution of the record was suggested by each of the parties, and in consequence thereof certain papers from the Patent Office were certified to this court pursuant to a writ of certiorari. Since it was not necessary to our decision to consider such papers, costs will be taxed against each of the parties for the printing of the papers of each of them brought here on certiorari.

For the reasons hereinbefore set out, the decision of the Board is affirmed.

AFFIRMED.

By reason of illness, O'CONNELL, *J.*, was not present at the argument of this case and did not participate in the decision.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,574,700, Schlesinger & Heine, Foot controlled washfountain; 2,196,301, H. E. Heine, Washfountain, D. C., S. D. Ohio (Cincinnati), Doc. 282, *Bradley Washfountain Co.* v. *Metalloid Engineering & Mfg. Co.* Cause dismissed without prejudice Oct. 5, 1948.

1,845,011, G. M. Yerkes, Bust form, D. C., S. D. N. Y., Doc. 39/10, *G. M. Poiz, Inc.*, v. *The Formfit Co.* Stipulation and order of dismissal of action, with prejudice (notice Oct. 8, 1948).

1,889,499, Rorrer & Mitterer, Apparatus and method for refrigeration; 2,011,731, 1,987,796, same, Refrigerated show case; Re. 21,264, same, Showcase, filed June 3, 1948, D. C., S. D. Calif., C. Div., Doc. 8144, *Stadium Stores, Inc.*, v. *Weber Showcase & Fixture Co., Inc.* Stipulation and order of dismissal Sept. 28, 1948.

1,909,537, R. M. Hollingshead, Jr., Drive-in theatre, filed Aug. 27, 1948, D. C., S. D. Calif., C. Div., Doc. 8582, *Park-In Theatres, Inc.*, v. *Drive-In Theatres of America et al.*

1,953,670, J. D. Cochin, Auto lift, filed Oct. 7, 1948, D. C., S. D. Calif., C. Div., Doc. 8738–Y, *Bay Mfg. Co.* v. *Torrance Steam Generator Co. et al.*

1,987,796. (See 1,889,499.)

2,011,232, Parks & Hildenbrand, Folding carton, filed Sept. 10, 1948, D. C. Calif (Los Angeles), Doc. 8629, *Nolox Co. of America* v. *M. Hyndman.* Same, filed Oct. 20, 1948, D. C. Calif. (San Francisco), Doc. 28382–H, *Nolox Co. of America* v. *Western Paper Box Co.*

2,011,731. (See 1,889,499.)

2,036,393, A. J. Briggs, Stranded wire structure and process and machine for producing same, filed Oct. 6, 1948, D. C., E. D. Va. (Richmond), Doc. 853, *American Chain & Cable Co., Inc.*, v. *Rochester Ropes, Inc.*

2,040,177, Johnson & Johnson, Hydraulic lubricating connection, appeal filed Sept. 27, 1948, C. C. A., 8th Cir. Doc. 13835, *The Alemite Co.* v. *Jiffy Lubricator Co.* Same, appeal filed Oct. 7, 1948, C. C. A., 8th Cir., Doc. 13840, *Jiffy Lubricator Co.* v. *The Alemite Co.*

2,052,221, W. J. Dubil, Method of preparing fresh meat, filed Sept. 16, 1948, D. C., S. D. Calif., C. Div., Doc. 8649–Y, *W. J. Dubil et al.* v. *Rayford Camp & Co. et al.*

2,081,717, H. C. Steel, Tank closure, filed Oct. 15, 1948, D. C., N. D. Ohio, E. Div., Doc. 25954, *Snap-Up Gas Cap Co.* v. *Matomatic Products Co. et al.*

2,087,232, E. Constam, Traction lines for ski-runners and other passengers, filed June 21, 1948, D. C. Colo. (Denver), Doc. 2468, *Omega Industrial Corp* v. *City & County of Denver, Colo.*

2,159,832. (See Re. 20,818 (a) and (b).)

2,159,833. (See Re. 20,818 (b).)

2,196,301. (See 1,574,700.)

2,229,607, Poist & Poist, Self-adjustable clamping spider, D. C., S. D. Calif., C Div., Doc. 4400–W, *H. B. Poist* v. *Beach-Ross Tool Co.* Suit held not infringed, complaint dismissed (notice Oct. 12, 1948).

2,230,486. (See Re. 20,818 (b).)

2,233,159, B. R. Crampton, Handle and operating lever assembly for flushing tanks, filed Oct. 12, 1948, D. C., W. D. Mich. (Grand Rapids), Doc. 1216, *Crampton Mfg. Co.* v. *Durable Products Co.*

2,272,341, G. L. Holzapfel, Vaporizer and pressure regulator, filed Oct. 2, 1948, D. C., S. D. Calif., C. Div., Doc. 8716, *G. L. Holzapfel* v. *Dix Mfg. Co.*

2,349,809, C. F. Black, Clamp, D. C., S. D. N. Y., Doc. 46/736, *Central Equipment Co.* v. *The Actus Corp.* Stipulation and order dismissing action with prejudice (notice Sept. 29, 1948).

2,364,899, M. H. Hatton, Brassière, filed Oct. 1, 1948, D. C., S. D. Calif. (Los Angeles), Doc. 8712–M, *M. H. Hatton* v. *The Helene Brassiere Co.*

2,388,772, R. Thompson, Tamper for cigarette machine feeders, appeal filed Oct. 16, 1948, C. C. A., 4th Cir., Doc. 5821, *R. Thompson et al.* v. *The American Tobacco Co.*

2,389,327. (See Re. 20,818 (b).)

2,389,327, D. C. Rockola et al., Phonograph, filed Aug. 6, 1948, D. C., S. D. Calif., C. Div., Doc. 8514, *No-Rinkle Products Co., Inc., et al.* v. *Lucky Mfg. Co. et al.*

2,446,721, A. M. Rothbardt, Miniature steeling wheel, filed Oct. 4, 1948, D. C., S. D. Calif., C. Div., Doc. 8723–Y, *Statler Mfg. Co.* v. *Evco, Inc., et al.*

Re. 20,818 (a), P. H. Smyth, Jr., Selective phonographic playing machine; 2,159,832, same, Phonograph, filed Oct. 5, 1948, D. C., E. D. Wis. (Milwaukee), Doc. 4593, *Rock-Ola Mfg. Corp* v. *United Coin Machine Co., Inc.*

Re. 20,818 (b), P. H. Smyth, Jr., Selective phonographic playing machine; 2,159,832, 2,159,833, same, Phonograph; 2,389,327, D. C. Rockola et al., same; 2,230,486, L. D. Durant, Selector mechanism, filed Oct. 6, 1948, D. C., S. D. Fla. (Miami), Doc. 2679–M, *Rock-Ola Mfg. Corp* v. *Shayne-Dixie Music Co.* Same, filed Oct. 5, 1948, D. C., N. D. Calif., S. Div., Doc. 28348–R, *Rock-Ola Mfg. Corp* v. *E. T. Mape Distributing Co.*

Re. 21,264. (See 1,889,499.)

Des. 142,332, A. Di Chiara, Frame for spectacles, filed Dec. 16, 1947, D. C., S. D. N. Y., Doc. 44/335, *Liberty Optical Mfg. Co. et al.* v. *Visionette Optical Co., Inc.*

Des. 146,224, A. Kono, Spectacle frame, filed Oct. 14, 1948, D. C., E. D. N. Y., Doc. C–9413, *The Kono Mfg. Co.* v. *Willoughby Optical Co., Inc.* Same, D. C., S. D. N. Y., Doc. 47/619, *The Kono Mfg. Co.* v. *Nu-Site Optical Frame Mfg. Co., Inc.*

Des. 150,360, R. R. Hutcheson, Casing for heater fan unit, filed Oct. 11, 1948, D. C., S. D. N. Y., Doc. 47/605, *E. A. Laboratories, Inc.*, v. *Warren-Connolly Co., Inc.*

T. M. 185,365, Strauss & Strauss, Finger ring; T. M. 430,436, Granat Bros., Inc., same, filed Aug. 3, 1948, D. C., N. D. Calif., S. Div., Doc. 28219–H, *Granat Bros.* v. *S. H. Friend.* Doc. 28220–H, *Granat Bros.* v. *H. Brown.*

T. M. 430,436. (See T. M. 185,365.)

NOTICES

Patentability Reports

Where an application, properly assigned to one examining division, is found to contain one or more claims per se classifiable in one or more other divisions, which claims are not divisible inter se or from the claims which govern classification of the application in the first division, the application may be referred to the other division or divisions concerned for a report as to the patentability of certain designated claims. This report will be known as a Patentability Report (P. R.) and will be signed by the Primary Examiner of the reporting division. Credit for an action will be given for each such report.

The practice above authorized becomes effective December 1, 1948, and supersedes the dual prosecution procedure as outlined in the notices of October 7, 13, 14, and 20, 1941, the memorandum of June 5, 1943, and the notices of September 25, 1944, and November 24, 1947.

LAWRENCE C. KINGSLAND,
November 10, 1948. *Commissioner of Patents.*

Disclaimers

2,272,965.—*John C. Crowley*, Cleveland Heights, Ohio. VULCANIZER CLAMP. Patent dated Feb. 10, 1942. Disclaimer filed Nov. 5, 1948, by the assignee, *The Dill Manufacturing Company*.

Hereby enters this disclaimer to claims 14 and 15 of said patent.

2,297,365.—*John Ellis Ostline*, Chicago, Ill. TELEPHONE SYSTEM. Patent dated Sept. 29, 1942. Disclaimer filed Oct. 27, 1948, by the assignee, *Automatic Electric Laboratories, Inc.*; the inventor consenting.

Hereby enters this disclaimer of claims 27 and 29 of said patent.

2,408,664.—*Charles William Lloyd*, Brooklyn, N. Y. MIXING FAUCET FOR BEVERAGES. Patent dated Oct. 1, 1946. Disclaimer filed Oct. 23, 1948, by the assignee, *Dispensers Inc.*

Hereby enters this disclaimer to claims 1 and 4 in said specification.

2,434,739.—*Charles L. Flindt*, San Jose, Calif. SOLE TRIMMING MACHINE. Patent dated Jan. 20, 1948. Disclaimer filed Oct. 25, 1948, by the patentee.

Hereby enters disclaimer to the following words appearing in column 5, lines 5 and 6, claim 1 of the patent:

"means for rotating the blade past the said cooperating edge"

and substitutes in lieu thereof:

means for conveying motor power for rotating the blade past the said cooperating edge.

Interference Notice

Louis S. Richman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Cudahy Packing Co., 221 North La Salle Street, Chicago, Ill., for registration of a trade-mark and registration No. 388,367, issued June 24, 1941, to Louis S. Richman, 225 Grand Street, New York, N. Y., and the notice of such declaration sent by registered mail to the said Richman at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Richman, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Nov. 4, 1948. *Assistant Commissioner of Patents.*

Cancellation Notice

Mary Pardo, her assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Elizabeth Arden Sales Corporation, 681 Fifth Ave., New York 22, N. Y., to effect the cancellation of trade-mark registration of Mary Pardo, 552 Cabrini Place, Chicago, Ill., No. 347,316, dated June 22, 1937, and the notice of such proceeding sent by registered mail to the said Mary Pardo at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Mary Pardo, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Nov. 5, 1948. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

General Aniline & Film Corporation has placed more than 3,000 patents on the Register of Patents as being available for licensing. The patents are grouped in five sections. Publication began November 2, 1948. The following patents (Reg. Nos. 13,400 through 13,933) are the balance of Section 3, relating to Miscellaneous Organic Compounds and Processes, including Vinyl Compounds and Iron Carbonyl, Groups 28; 33; 35, and part of Section 4, relating to Photographic—Chemical and Mechanical, Groups 28; 39—12. Inquiries concerning these patents should be addressed to the Patent Department, General Aniline & Film Corporation, 247 Park Ave., New York 17, N. Y.

SECTION 3—Continued

Pat. 2,174,287. Tanning Agents and Process of Producing Same. Sept. 26, 1939.

Pat. 2,175,096. Floor and Wall Covering Material. Oct. 3, 1939.

Pat. 2,176,843. Process of Preparing Imidazolines. Oct. 17, 1939.

Pat. 2,177,420. Water-Soluble Condensation Products. Oct. 24, 1939.

Pat. 2,177,619. Process of Producing Nitriles. Oct. 24, 1939.

Pat. 2,177,621. Process for Preparing Calcium Carbide. Oct. 24, 1939.

Pat. 2,177,622. Electric Furnace for the Production of Calcium Carbide. Oct. 24, 1939.

Pat. 2,178,454. Production of Olefin Oxides. Oct. 31, 1939.

Pat. 2,178,523. Production of High Molecular Hydroxylated Condensation Products from Crotonaldehyde. Oct. 31, 1939.

Pat. 2,179,038. Tanning Agents and Process of Producing Them. Nov. 7, 1939.

Pat. 2,179,040. Process of Polymerization in the Gaseous State. Nov. 7, 1939.

Pat. 2,179,209. Esters Derived from Isocyclic Compounds. Nov. 7, 1939.

Pat. 2,179,800. Process of Producing Condensation Products Having Tanning Action. Nov. 14, 1939.

Pat. 2,180,382. Process of Preparing Calcium Cyanamide. Nov. 21, 1939.

Pat. 2,182,306. Polymerization of Ethylene Imines. Dec. 5, 1939.

Pat. 2,182,754. Process of Preparing Cyclic Acetals of Formaldehyde. Dec. 5, 1939.

Pat. 2,184,622. Manufacture of Tanning Agents. Dec. 26, 1939.

Pat. 2,185,480. Nitrogenous Condensation Products and Process of Producing the Same. Jan. 2, 1940.

Pat. 2,187,570. Polyvinyl Acetals. Jan. 16, 1940.

Pat. 2,188,272. Shaped Article and Process of Preparing It. Jan. 23, 1940.

Pat. 2,188,778. Production of Polymerization Products of Vinyl Ethers. Jan. 30, 1940.

Pat. 2,190,179. Conversion Products of Constituents of Carob Beans. Feb. 13, 1940.

Pat. 2,190,184. Process of Producing Aldehyde Resins. Feb. 13, 1940.

Pat. 2,191,737. Production of Water-Soluble Condensation Products. Feb. 27, 1940.

Pat. 2,191,738. High Molecular Polycarboxylic Acid Amides and Their Production. Feb. 27, 1940.

Pat. 2,191,978. Quaternary Nitrogen Compounds and Process of Preparing Them. Feb. 27, 1940.

Pat. 2,191,982. Water Repellent Textile Material. Feb. 27, 1940.

Pat. 2,193,327. Artificial Resins. Mar. 12, 1940.

Pat. 2,193,944. Alkylation Products of Aromatic Compounds and a Process of Preparing Them. Mar. 19, 1940.

Pat. 2,194,419. Cyclic Amidines and Process of Producing Them. Mar. 19, 1940.

Pat. 2,194,429. Production of Condensation Products Suitable as Assistants in the Lacquer and Related Industries. Mar. 19, 1940.

Pat. 2,194,906. Nitrogenous Condensation Product and Process of Producing Same. Mar. 26, 1940.

Pat. 2,195,088. Sulphonated Ketones. Mar. 26, 1940.

Pat. 2,195,974. Process of Producing New Aminocarboxylic Acids. Apr. 2, 1940.

Pat. 2,196,135. Abradant. Apr. 2, 1940.

Pat. 2,196,156. Production of Formic Acid. Apr. 2, 1940.

Pat. 2,197,880. Aromatic Polynuclear Polycarboxylic Acids and a Process of Making Them. Apr. 23, 1940.

Pat. 2,198,042. Porous Metal Bodies. Apr. 23, 1940.

Pat. 2,198,046. Process of Producing Esters and Ethers. Apr. 23, 1940.

Pat. 2,199,780. Imidazolines Containing Sulphuric Acid Radicals and Process of Preparing Them. May 7, 1940.

Pat. 2,199,934. Process of Preparing Higher Halogenated Ketones. May 7, 1940.

Pat. 2,200,216. Production of High Molecular Unsaturated Ketones and Conversion Products Thereof. May 7, 1940.

Pat. 2,200,220. N-Substituted Aspartic Acids and Their Functional Derivatives and Process of Producing Them. May 7, 1940.

Pat. 2,200,437. Highly Viscous Polymerization Products and a Process of Preparing Them. May 14, 1940.

Pat. 2,200,485. Process of Diminishing or Preventing Foaming. May 14, 1940.

Pat. 2,202,169. Method of Protecting Goods Containing Proteins Against Insects. May 28, 1940.

Pat. 2,203,628. Production of Butane-Polycarboxylic Acids. June 4, 1940.

Pat. 2,205,021. Production of Condensation Products. June 18, 1940.

Pat. 2,206,273. Production of Alkylene Imines. July 2, 1940.

Pat. 2,207,603. Manufacture of Aliphatic Amino-Sulphonic Acids. July 9, 1940.

Pat. 2,208,919. Device for Subdividing Fused Calcium Carbide. July 23, 1940.

Pat. 2,210,563. Production of Alkyl Halides. Aug. 6, 1940.

Pat. 2,210,564. Production of Alkyl Halides. Aug. 6, 1940.

Pat. 2,210,588. Process of Preparing Imidazolines. Aug. 6, 1940.

Pat. 2,210,874. Process of Preparing Cyclic Carboxylic Acids Substituted in the Nucleus. Aug. 13, 1940.

Pat. 2,211,001. Oxalkyl Derivatives of Imidazolines. Aug. 13, 1940.

Pat. 2,211,019. Electrical Condenser. Aug. 13, 1940.

Pat. 2,211,152. Substituted Alpha-Amino-Acrylic Acid Nitriles. Aug. 13, 1940.

Pat. 2,211,436. Plastic Masses from Nitrocellulose. Aug. 13, 1940.

Pat. 2,211,709. Triazine-Aldehyde Resinous Condensation Products. Aug. 13, 1940.

Pat. 2,211,710. Diazine-Aldehyde Resinous Condensation Products. Aug. 13, 1940.

Pat. 2,213,984. Condensation Products Having the Constitution of Acid Amides and a Process of Preparing Them. Sept. 10, 1940.

Pat. 2,214,629. Products for Fixing Tanning Agents and a Method of Carrying Out This Fixing. Sept. 10, 1940.

Pat. 2,215,095. Production of Maleic Acid. Sept. 17, 1940.

Pat. 2,215,573. Production of Shaped Articles. Sept. 24, 1940.

Pat. 2,215,861. Manufacture of Imidazolines. Sept. 24, 1940.

Pat. 2,215,862. Manufacture of Imidazolines. Sept. 24, 1940.

Pat. 2,215,863. Manufacture of Imidazolines. Sept. 24, 1940.

Pat. 2,215,864. Manufacture of Imidazolines. Sept. 24, 1940.

Pat. 2,215,865. Recovery of Concentrated Alkylene Chlorhydrins. Sept. 24, 1940.

Pat. 2,217,836. Preparation of Phenol. Oct. 15, 1940.

Pat. 2,217,846. Condensation Products of Betaine-like Constitution and a Process of Preparing Them. Oct. 15, 1940.

Pat. 2,218,077. Resinous Condensation Products and Process of Making Same. Oct. 15, 1940.

Pat. 2,218,640. Production of Aliphatic Hydrocarbons of the Diolefin Series. Oct. 22, 1940.

Pat. 2,218,660. Process of Producing Products of High Wetting Power from Aliphatic Ketones. Oct. 22, 1940.

Pat. 2,218,939. Urethane-Like Compounds. Oct. 22, 1940.

Pat. 2,218,996. Tanning Material. Oct. 22, 1940.

Pat. 2,219,006. Addition Products of 3.4 Dehydrocyclotetramethylene Sulphone. Oct. 22, 1940.

Pat. 2,219,433. Splinterless Glass. Oct. 29, 1940.

Pat. 2,220,906. Drying Oil. Nov. 12, 1940.

Pat. 2,221,140. Process for Bleaching Montan Wax. Nov. 12, 1940.

Pat. 2,221,418. Thiodiglycol-Polycarboxylic Acid Condensation Products. Nov. 12, 1940.

Pat. 2,222,208. Nitrogenous Condensation Product and a Process of Producing Same. Nov. 19, 1940.

Pat. 2,222,302. Synthesis of Adipic Acid Dinitrile. Nov. 19, 1940.

Pat. 2,223,448. Process for Manufacturing Carbon Tetrachloride. Dec. 3, 1940.

Pat. 2,224,022. Maleic Acid and Fumaric Acid Derivatives. Dec. 3, 1940.

Pat. 2,224,026. Process of Producing Fatty Acid Mono-Esters of Monochlorhydrin. Dec. 3, 1940.

Pat. 2,224,964. Manufacture of Aromatic Sulphones. Dec. 17, 1940.

Pat. 2,227,163. Aqueous Emulsions of Polymerization Products and a Process of Preparing Them. Dec. 31, 1940.

Pat. 2,227,948. Production of Epichlorhydrin. Jan. 7, 1941.

Pat. 2,228,270. Interpolymerization Products of the Vinyl Methyl Ketone and Crotonic Acid. Jan. 14, 1941.

Pat. 2,228,365. Process of Producing Vinyl Esters. Jan. 14, 1941.

Pat. 2,228,929. Recovering Surface Active Compounds Containing Polyglycol Ether Radicles. Jan. 14, 1941.

Pat. 2,229,649. Sulphated Methyl Heptadecenyl Carbinol. Jan. 28, 1941.

Pat. 2,229,781. Laminated Glass. Jan. 28, 1941.

Pat. 2,230,591. Aliphatic Aldehyde Condensation Products and a Process for Making Them. Feb. 4, 1941.

Pat. 2,230,812. Process of Recovering Phenols from Resins of Phenols and Aldehydes. Feb. 4, 1941.

Pat. 2,231,502. Process for the Production of High Molecular Nitrogenous Condensation Products. Feb. 11, 1941.

Pat. 2,231,649. Artificial Resins Soluble in Drying Oils and Process of Producing the Same. Feb. 11, 1941.

Pat. 2,232,053. Foaming Composition. Feb. 18, 1941.

Pat. 2,232,867. Production of Alkinols. Feb. 25, 1941.

Pat. 2,233,296. Process of Making Mono Acyl Alkylene Diamines. Feb. 25, 1941.

Pat. 2,233,805. Triazoles. Mar. 4, 1941.

Pat. 2,233,817. Process for Producing Melamine. Mar. 4, 1941.

Pat. 2,235,507. Floor and Wall Covering Material. Mar. 18, 1941.

Pat. 2,238,471. Production of Dihydric Alcohols of the Acetylene Series. Apr. 15, 1941.

Pat. 2,239,780. Process for Improving the Properties of Thermoplastic, Film-Forming, Organic Substances. Apr. 29, 1941.

Pat. 2,240,730. Solutions of Polyvinyl Alkyl Ketones and a Process of Polymerizing Vinyl Alkyl Ketones. May 6, 1941.

Pat. 2,241,200. Process of Producing Chlorinated Ethers. May 6, 1941.

Pat. 2,241,201. Condensation Products from Butane Tetracarboxylic Acids and Process for Producing Same. May 6, 1941.

Pat. 2,241,777. Production of Aliphatic Branched-Chain Hydrocarbons of the Diolefin Series. May 13, 1941.

Pat. 2,241,792. Process of Producing Diolefins. May 13, 1941.

Pat. 2,242,019. Laminated Glass. May 13, 1941.

Pat. 2,242,485. Production of Alkylene Oxides Difficultly Soluble in Water. May 20, 1941.

Pat. 2,242,490. Nitrogenous Condensation Product from 1.2-Alkylene Imines. May 20, 1941.

Pat. 2,243,437. Sulphonic Acid Amides and a Process of Preparing Them. May 27, 1941.

Pat. 2,245,183. Production of Olefin Oxides by Catalytic Oxidation of Olefins. June 10, 1941.

Pat. 2,245,377. Production of Carbonyl Compounds. June 10, 1941.

Pat. 2,246,049. Process of Preparing Glyoxal. June 17, 1941.

Pat. 2,247,735. Condensation Products. July 1, 1941.

Pat. 2,248,729. Quaternary Allsylol Poly-Ammonium Compounds and Process for Producing Them. July 8, 1941.

Pat. 2,251,245. Production of Hydroxy Alkyl Amines. July 29, 1941.

Pat. 2,251,292. Production of Tetrahydrofuranes. Aug. 5, 1941.

Pat. 2,251,835. Production of Tetrahydrofurane from 1.4-Butylene Glycol. Aug. 5, 1941.

Pat. 2,251,895. Production of Tetrahydrofuranes. Aug. 5, 1941.

Pat. 2,253,323. Production of Drying Oils. Aug. 19, 1941.

Pat. 2,255,082. Capillary Active Compounds and Process of Preparing Them. Sept. 9, 1941.

Pat. 2,255,229. Solvent for Organic Film-Forming Materials. Sept. 9, 1941.

Pat. 2,256,186. Quaternary Nitrogen Compounds. Sept. 16, 1941.

Pat. 2,256,189. Antioxidant for Rubber. Sept. 16, 1941.

Pat. 2,257,148. Capillary Active Product. Sept. 30, 1941.

Pat. 2,257,239. Process for Improving Fibrous Materials. Sept. 30, 1941.

Pat. 2,257,980. Manufacture of Aliphatic Unsaturated Nitro Compounds. Oct. 7, 1941.

Pat. 2,263,598. Interpolymerization Product of Vinyl Acetate and Crotonic Acid. Nov. 25, 1941.

Pat. 2,265,163. A Mixture of Sulphonic Acid Chlorides. Dec. 9, 1941.

Pat. 2,265,194. Process for the Production of Capillary-Active Water-Soluble Condensation Products. Dec. 9, 1941.

Pat. 2,265,200. Process of Preparing Propylene Oxide Sulphonic Acid. Dec. 9, 1941.

Pat. 2,265,201. Process of Producing Heterocyclic Nitrogen Compounds Containing a Six-Membered Ring. Dec. 9, 1941.

Pat. 2,265,211. Process of Producing High Molecular Weight Carbonyl Compounds. Dec. 9, 1941.

Pat. 2,265,416. Polymerization Products. Dec. 9, 1941.

Pat. 2,266,771. Acyloxy-Acrylic Acid Nitriles and Process of Preparing Them. Dec. 23, 1941.

Pat. 2,267,068. Process for Producing Ethers of Thioammeline. Dec. 23, 1941.

Pat. 2,267,749. Process of Converting Dihydroxy Compounds of the Acetylene Series into Dihydroxy Compounds of the Ethylene Series. Dec. 30, 1941.

Pat. 2,267,757. Process of Producing Substituted Alpha-Pyrrolidones. Dec. 30, 1941.

Pat. 2,268,129. Process for Making Amines of the Acetylene Series. Dec. 30, 1941.

Pat. 2,270,893. Process of Imparting Hydrophobic Properties to Fibrous Materials. Jan. 27, 1942.

Pat. 2,271,708. Process of Producing High Molecular Oxygen-Containing Compounds. Feb. 3, 1942.

Pat. 2,272,466. Production of Waxlike Substances. Feb. 10, 1942.

Pat. 2,272,489. Nitrogenous Condensation Products and a Process of Producing Same. Feb. 10, 1942.

Pat. 2,273,030. Process of Preparing Phenols. Feb. 17, 1942.

Pat. 2,273,101. Iron Oxide Pigments and Process of Producing the Same. Feb. 17, 1942.

Pat. 2,273,141. Production of Amines of the Acetylene Series. Feb. 17, 1942.

Pat. 2,273,506. Reclaiming of Rubber. Feb. 17, 1942.

Pat. 2,273,515. Fire-Extinguishing Liquid. Feb. 17, 1942.

Pat. 2,273,940. Addition Products of Amides of Low Molecular Carboxylic Acids and Process of Producing the Same. Feb. 24, 1942.

Pat. 2,275,586. Tri(hydroxy Methyl) Acetaldehyde and a Process of Making It. Mar. 10, 1942.

Pat. 2,276,166. Process of Preparing Chlorinated Bromomethanes. Mar. 10, 1942.

Pat. 2,276,309. Formaldehyde-Polyalkylene Polyamine Condensation Products and Production Thereof. Mar. 17, 1942.

Pat. 2,276,666. α-Chloro-β-Alkoxy-Butyraldehydes and Process of Preparing Them. Mar. 17, 1942.

Pat. 2,277,202. Process and Auxiliary for Improving Textile Fabrics. Mar. 24, 1942.

Pat. 2,277,650. Process of Producing N-Butylene. Mar. 24, 1942.

Pat. 2,280,484. Reclaiming of Rubber. Apr. 21, 1942.

Pat. 2,282,264. Process of Producing Substances Having Tanning Action. May 5, 1942.

Pat. 2,282,928. Water-Soluble Condensation Products. May 12, 1942.

Pat. 2,283,764. Esterlike Condensation Products and a Process of Preparing Them. May 19, 1942.

Pat. 2,288,178. Process of Preparing Acylated Halogen Alkyl Amines. June 30, 1942.

Pat. 2,288,588. Solvent for Organic Film-Forming Materials. June 30, 1942.

Pat. 2,289,275. Process of Waterproofing Textiles. July 7, 1942.

Pat. 2,289,278. Resinous Sulphonated Condensation Products. July 7, 1942.

Pat. 2,289,282. Method of Delustering. July 7, 1942.

Pat. 2,291,798. Addition Products of 3.4-Dehydrocyclotetramethylene Sulfone. Aug. 4, 1942.

Pat. 2,294,666. Water Soluble Adhesives Obtained by Etherifying Wood. Sept. 1, 1942.

Pat. 2,294,878. Nitrogenous Waxy to Resinous Condensation Products and Process of Producing Same. Sept. 1, 1942.

Pat. 2,295,618. Recovery of Aliphatic Polyhydroxy Compounds. Sept. 15, 1942.

Pat. 2,296,211. Production of Nitrogenous Condensation Products. Sept. 15, 1942.

Pat. 2,296,225. Nitrogenous Condensation Products and a Process of Producing Same. Sept. 15, 1942.

Pat. 2,296,226. Nitrogenous Condensation Products and a Process of Producing Same. Sept. 15, 1942.

Pat. 2,296,331. Softener for Halogen-Containing High Molecular Weight, Organic Compounds. Sept. 22, 1942.

Pat. 2,298,078. Plastic Masses Similar to Factice and Linoxyn. Oct. 6, 1942.

Pat. 2,299,013. Catalytic Oxidation of Ketones. Oct. 13, 1942.

Pat. 2,300,566. Process of Preparing Polymerization Products. Nov. 3, 1942.

Pat. 2,300,587. Adhesive. Nov. 3, 1942.

Pat. 2,300,589. Animalizing Cellulosic Fibers. Nov. 3, 1942.

Pat. 2,300,598. Process of Producing Butene-2-Diol-1.4 and Its Substitution Products. Nov. 3, 1942.

Pat. 2,300,920. Interpolymers of Vinyl Sulphonic Acid with Another Vinyl Compound and Aqueous Emulsions Thereof. Nov. 3, 1942.

Pat. 2,300,969. Production of Alkinols. Nov. 3, 1942.

Pat. 2,301,676. Water-Repellent Textile Material and a Process of Preparing It. Nov. 10, 1942.

Pat. 2,302,345. Production of Alcohols of the Acetylene Series. Nov. 17, 1942.

Pat. 2,302,885. Hydrohalides of Substituted Isothio-Ureas and a Process of Preparing Them. Nov. 24, 1942.

Pat. 2,304,917. Polymerization of Vinyl Compounds with Acetylene Alcohols. Dec. 15, 1942.

Pat. 2,306,924. Hard Infusible Resinous Condensation Products. Dec. 29, 1942.

Pat. 2,307,118. Process of Producing Effects on Textile Material. Jan. 5, 1943.

Pat. 2,311,307. Production of Metal Carbonyls. Feb. 16, 1943.

Pat. 2,312,064. Production of Dihalogenated Saturated Hydrocarbons. Feb. 23, 1943.

Pat. 2,312,135. Method of Preparing Valuable Nitrogenous Condensation Products. Feb. 23, 1943.

Pat. 2,312,863. Polymerization Products. Mar. 2, 1943.

Pat. 2,313,573. Capillary Active Compounds and Process of Preparing Them. Mar. 9, 1943.

Pat. 2,313,695. Process of Preparing Amino-Sulphonic Acids Substituted in the Amino Group by Acyl Radicals of Fatty Acids. Mar. 9, 1943.

Pat. 2,314,454. Production of Esters of Halogen Alcohols. Mar. 23, 1943.

Pat. 2,314,968. Process of Impregnating Textile Materials and the Material Thus Obtained. Mar. 30, 1943.

Pat. 2,316,653. Condensation Products of Acetylene with Dimethylol Urea. Apr. 13, 1943.

Pat. 2,316,921. Process of Preparing Acetals of Polyvinyl Alcohol. Apr. 20, 1943.

Pat. 2,317,466. Process of Producing Effects on Textile Material. Apr. 27, 1943.

Pat. 2,318,323. Manufacture of Halogenated Hydrocarbons. May 4, 1943.

Pat. 2,319,707. Production of Aliphatic Dihydric Alcohols. May 18, 1943.

Pat. 2,321,451. Water-Soluble Condensation Product. June 8, 1943.

Pat. 2,321,493. Phenol-Furfuryl Alcohol Resinous Condensation Products. June 8, 1943.

Pat. 2,322,095. Catalytic Hydrogenation of Organic Compounds. June 15, 1943.

Pat. 2,322,096. Catalytic Hydrogenation of High Molecular Aliphatic Carboxylic Acids. June 15, 1943.

Pat. 2,322,097. Catalytic Hydrogenation of Aliphatic Carboxylic Acid Anhydrides. June 15, 1943.

Pat. 2,322,098. Catalytic Hydrogenation of Alicyclic Carboxylic Acids. June 15, 1943.

Pat. 2,322,099. Catalytic Hydrogenation of Organic Compounds. June 15, 1943.

Pat. 2,324,896. Mixed Polymerization Products. July 20, 1943.

Pat. 2,325,760. Cyclic Acetals of Formaldehyde and a Process of Preparing Them. Aug. 3, 1943.

Pat. 2,326,501. Isocyanates. Aug. 10, 1943.

Pat. 2,334,195. Process for the Production of Polymerization Products. Nov. 16, 1943.

Pat. 2,335,795. Production of Aliphatic Alcohols. Nov. 30, 1943.

Pat. 2,335,813. Production of Carboxylic Acid Esters of Monochlorhydrins. Nov. 30, 1943.

Pat. 2,336,100. Process of Producing Twists of Organic Thermoplastic Material. Dec. 7, 1943.

Pat. 2,337,887. Paper and Its Production. Dec. 28, 1943.

Pat. 2,337,924. Aromatic Sulphonic Acids Having Capillary-Active Properties and a Process of Preparing Them. Dec. 28, 1943.

Pat. 2,339,066. Process for the Manufacture of Benzoic Acid Vinyl Ester. Jan. 11, 1944.

Pat. 2,339,314. Resinous Condensation Products of Aldehydes and Compounds of the Pyrrole and Thiazole Series. Jan. 18, 1944.

Pat. 2,342,295. Interpolymerization Products of Vinyl Compounds with Cyclic Imides. Feb. 22, 1944.

Pat. 2,342,400. Production of Polymerization Products from Ethylene. Feb. 22, 1944.

Pat. 2,342,463. Process for the Manufacture of Vinyl Esters of Monocarboxylic Acids. Feb. 22, 1944.

Pat. 2,342,493. Organic Nitrogen Compounds and Process of Producing Same. Feb. 22, 1944.

Pat. 2,344,321. Condensation Products of Sulphonic Acid Amides and Sulphonic Acid Hydrazides and a Process of Preparing Them. Mar. 14, 1944.

Pat. 2,345,427. Solvent for Organic Film-Forming Materials. Mar. 28, 1944.

Pat. 2,349,912. Halogen Methyl Compounds of Sulphonamides and Sulphonhydrazides and a Process of Preparing Them. May 30, 1944.

Pat. 2,351,462. Pulverulent Metallic Substance for Electromagnetic Purposes. June 13, 1944.

Pat. 2,352,097. Production of Organic Compounds Containing Sulphur, Chlorine and Oxygen. June 20, 1944.

Pat. 2,356,079. Animalizing of Cellulosic Materials. Aug. 15, 1944.

Pat. 2,359,038. Interpolymerization Products of Diene Synthesis Products and Compounds Having an ω-Methylene Group and Process of Their Production. Sept. 26, 1944.

Pat. 2,362,858. Solvents for Organic Film-Forming Materials. Nov. 14, 1944.

Pat. 2,363,951. Process of Emulsion-Polymerization. Nov. 28, 1944.

Pat. 2,368,082. 1:2 Alkylene Imine Condensation Products. Jan. 23, 1945.

Pat. 2,382,185. Nitrogenous Condensation Products of Alkylene Imines. Aug. 14, 1945.

Pat. 2,392,952. Production of Resin Alcohols. Jan. 15, 1946.

Pat. 2,410,647. Production of Allyl Chloride. Nov. 5, 1946.

Pat. 2,421,650. Process of Producing Pyrroles and Hydrogenated Pyrroles. June 3, 1947.

Pat. 2,426,293. Quaternary Ammonium Salts and Process of Preparing Them. Aug. 26, 1947.

Pat. 2,428,733. Capillary-Active Substances. Oct. 7, 1947.

Pat. 2,442,710. Methine Dyestuffs. June 1, 1948.

SECTION 4

Photographic—Chemical and Mechanical

Pat. 1,840,307. Printing Frame. Jan. 12, 1932.

Pat. 1,843,319. Film Holding Box for Cinematograph Apparatus. Feb. 2, 1932.

Pat. 1,845,404. Backing of Photographic Materials to Prevent Halation. Feb. 16, 1932.

Pat. 1,846,486. Exposure-Meter for Photographic Purposes. Feb. 23, 1932.

Pat. 1,848,523. Photographic Shutter. Mar. 8, 1932.

Pat. 1,850,162. Fixing Bleaching-Out Pictures. Mar. 22, 1932.

Pat. 1,850,220. Photographic Bleaching-Out Layer. Mar. 22, 1932.

Pat. 1,853,455. Photographic Developer. Apr. 12, 1932.

Pat. 1,857,724. Holder for Photographic Image Carriers. May 10, 1932.

Pat. 1,858,575. Camera Body. May 17, 1932.

Pat. 1,858,576. Film and Plate Hanger. May 17, 1932.

Pat. 1,858,585. Photographic Film Cartridge. May 17, 1932.

Pat. 1,860,482. Photographic Film-Pack Casing. May 31, 1932.

Pat. 1,860,575. Photographic Objective. May 31, 1932.

Pat. 1,864,657. Combined Shutter and Film Moving Mechanism. June 28, 1932.

Pat. 1,867,109. Shutter for Photographic Objectives. July 12, 1932.

Pat. 1,870,354. Photographic Gelatine Layer. Aug. 9, 1932.

Pat. 1,871,217. Film Pack Casing. Aug. 9, 1932.

Pat. 1,871,830. Fixing Photographic Bleaching-Out Layers. Aug. 16, 1932.

Pat. 1,871,983. Attachment of Moving Picture Film to the Film Spool. Aug. 16, 1932.

Pat. 1,873,927. Folding Camera. Aug. 23, 1932.

Pat. 1,874,529. Printing Pictures of a Lenticular Film. Aug. 30, 1932.

Pat. 1,875,193. Cinematographic Projection Apparatus. Aug. 30, 1932.

Pat. 1,879,179. Mechanically Grinding Concave Lenses. Sept. 27, 1932.

Pat. 1,879,188. Film Door for Motion Picture Apparatus. Sept. 27, 1932.

Pat. 1,879,236. Printing Color Pictures. Sept. 27, 1932.

Pat. 1,879,237. Production of Lenticular Elements on Films. Sept. 27, 1932.

Pat. 1,879,443. Protective Paper Strips for Daylight Loading Film Rolls. Sept. 27, 1932.

Pat. 1,879,537. Anti-Halation Layers for Photographic Material. Sept. 27, 1932.

Pat. 1,880,572. Color Photography. Oct. 4, 1932.

Pat. 1,880,573. Light-Sensitive Material for the Bleaching Out Process. Oct. 4, 1932.

Pat. 1,883,510. Enlarging Apparatus. Oct. 18, 1932.

Pat. 1,883,511. Film Holder for Cameras. Oct. 18, 1932.

Pat. 1,883,512. Camera Front. Oct. 18, 1932.

Pat. 1,883,997. Tripod Socket for Cameras and the Like. Oct. 25, 1932.

Pat. 1,883,998. Camera Shutter. Oct. 25, 1932.

Pat. 1,885,982. Focusing Device for Cameras. Nov. 1, 1932.

Pat. 1,892,725. Production of Photosensitive Emulsions. Jan. 3, 1933.

Pat. 1,897,429. Protecting Film Roll from the Entry of Light. Feb. 14, 1933.

Pat. 1,898,512. Process of Manufacturing Photographic Silver Salt Emulsions and Light-Sensitive Material. Feb. 21, 1933.

Pat. 1,898,675. Speed Control for Motion Picture Cameras. Feb. 21, 1933.

Pat. 1,899,279. Photographic Film Reel. Feb. 28, 1933.

Pat. 1,903,434. Combined View Finder and Catch for Cameras. Apr. 11, 1933.

Pat. 1,903,783. Production and Application of Layers Sensitive to Light. Apr. 18, 1933.

Pat. 1,903,937. Photographic Roll Film Spool. Apr. 18, 1933.

Pat. 1,904,221. Protective Layer on Photographic Films. Apr. 18, 1933.

Pat. 1,904,760. Merchandising and Display Receptacle. Apr. 18, 1933.

Pat. 1,906,931. Film Gate for Motion Picture Cameras. May 2, 1933.

Pat. 1,907,444. N-Hydroxyethyl Derivatives of Nuclear Substitution Products of 4-Amino-1-Hydroxybenzene. May 9, 1933.

Pat. 1,909,759. Driving Mechanism in Cinematograph Apparatus. May 16, 1933.

Pat. 1,910,294. **High Gloss Drying Apparatus for Photographic Prints.** May 23, 1933.

Pat. 1,912,797. **Photographic Material.** June 6, 1933.

Pat. 1,914,398. **Intermittent Movement.** June 20, 1933.

Pat. 1,915,418. **Process for Printing Copies from a Lenticular Film.** June 27, 1933.

Pat. 1,916,350. **Manufacture of Color-Pictures.** July 4, 1933.

Pat. 1,916,779. **Light-Sensitive Material.** July 4, 1933.

Pat. 1,918,492. **Manufacture of Material Suitable for Receiving Writings by Electrodecomposition.** July 18, 1933.

Pat. 1,918,623. **Multicolored Pictures.** July 18, 1933.

Pat. 1,923,485. **Antihalation Layer and Halation-proof Photographic Material.** Aug. 22, 1933.

Pat. 1,924,093. **Film Reel for Cinematograph Apparatus.** Aug. 29, 1933.

Pat. 1,930,334. **Camera Body.** Oct. 10, 1933.

Pat. 1,930,335. **Film Receptacle.** Oct. 10, 1933.

Pat. 1,932,617. **Condenser for Film-Projectors.** Oct. 31, 1933.

Pat. 1,937,053. **Folding Camera.** Nov. 28, 1933.

Pat. 1,937,057. **Folding Camera.** Nov. 28, 1933.

Pat. 1,940,312. **Intermittent Movement for Motion-Picture Projectors and the Like.** Dec. 19, 1933.

Pat. 1,941,852. **Photographic Gelatin Layer.** Jan. 2, 1934.

Pat. 1,943,169. **Process of Making Film-Supports for Color Photography.** Jan. 9, 1934.

Pat. 1,945,658. **Production of Colored Photographic Pictures.** Feb. 6, 1934.

Pat. 1,949,815. **Manufacture of 3-Hydroxyseleno-Naphthene.** Mar. 6, 1934.

Pat. 1,950,533. **Focusing Means in Photographic Enlarging Apparatus.** Mar. 13, 1934.

Pat. 1,951,347. **Focal Plane Camera Shutter.** Mar. 20, 1934.

Pat. 1,953,175. **Subtractive Two-Color Picture.** Apr. 3, 1934.

Pat. 1,953,176. **Apparatus for Projecting Lenticular Screen Films.** Apr. 3, 1934.

Pat. 1,954,294. **Superimposed Colored Photographic Layers.** Apr. 10, 1934.

Pat. 1,955,170. **Photographic Copying Apparatus.** Apr. 17, 1934.

Pat. 1,955,898. **Sensitizing of Bleaching-Out Layers.** Apr. 24, 1934.

Pat. 1,956,230. **Process for Obtaining Different Gradations in Developing Silver Halide Emulsion Layers.** Apr. 24, 1934.

Pat. 1,959,268. **Apparatus for Taking Cinematographic Pictures.** May 15, 1934.

Pat. 1,959,739. **Sound Recording System.** May 22, 1934.

Pat. 1,963,197. **Color Photography and Cinematography.** June 19, 1934.

Pat. 1,966,857. **Film Guiding Roll for Cinematographic Apparatus.** July 17, 1934.

Pat. 1,966,873. **Manufacture of Sound Films.** July 17, 1934.

Pat. 1,968,145. **Process and Device for Printing Multicolor Partial Pictures on Lenticular Films.** July 31, 1934.

Pat. 1,968,938. **Motion Picture Apparatus.** Aug. 7, 1934.

Pat. 1,968,944. **Three-Color Photography.** Aug. 7, 1934.

Pat. 1,969,858. **Photographic Roll-Film.** Aug. 14, 1934.

Pat. 1,970,869. **Photographic Reversal Development.** Aug. 21, 1934.

Pat. 1,970,890. **Process and Multicolor Filter for Producing Color Pictures on Lenticular Films.** Aug. 21, 1934.

Pat. 1,971,410. **Apparatus for Projecting Multicolor Pictures on Lenticular Films.** Aug. 28, 1934.

Pat. 1,971,430. **Antihalation Layer.** Aug. 28, 1934.

Pat. 1,971,569. **Safety Shutter for Projectors.** Aug. 28, 1934.

Pat. 1,972,424. **Photographic Roll-Film Cartridge.** Sept. 4, 1934.

Pat. 1,974,524. **Photographic Material.** Sept. 25, 1934.

Pat. 1,977,184. **Stop for Motion Picture Apparatus** Oct. 16, 1934.

Pat. 1,978,638. **Film Retaining Means.** Oct. 30, 1934.

Pat. 1,981,102. **Photographic Material and Process of Making the Same.** Nov. 20, 1934.

Pat. 1,982,739. **Motion Picture Apparatus.** Dec. 4, 1934.

Pat. 1,982,987. **Sensitizing of Photographic Emulsions.** Dec. 4, 1934.

Pat. 1,983,910. **Inscription Bearing Film and Ink for Making Same.** Dec. 11, 1934.

Pat. 1,984,481. **Apparatus for Projecting Lenticular Films.** Dec. 18, 1934.

Pat. 1,984,504. **Color Photography.** Dec. 18, 1934.

Pat. 1,986,278. **Protective Paper for Photographic Material.** Jan. 1, 1935.

Pat. 1,987,247. **Protecting Film Rolls from the Entry of Light.** Jan. 8, 1935.

Pat. 1,987,254. **Roll Film Camera.** Jan. 8, 1935.

Pat. 1,988,550. **Supports Made of Cellulose Derivatives for Use in the Manufacture of Sheets of Material Soluble in Organic Solvents.** Jan. 22, 1935.

Pat. 1,988,812. **Sound Negative for Direct Production of Sounds.** Jan. 22, 1935.

Pat. 1,989,813. **Photographic and Cinematographic Film Employed Without Use of a Protective Paper Strip.** Feb. 5, 1935.

Pat. 1,990,843. **Sound Recording.** Feb. 12, 1935.

Pat. 1,991,670. **Apparatus for Projecting Lenticular Films in Natural Colors.** Feb. 19, 1935.

Pat. 1,994,170. **Compound of the Distyryl Pyridinium Salt Series and Its Production.** Mar. 12, 1935.

Pat. 1,994,627. **Filmpack for Multicolor Photography.** Mar. 19, 1935.

Pat. 1,994,875. **Photographic Film Free from Halation.** Mar. 19, 1935.

Pat. 1,994,876. **Photographic Film Free from Halation.** Mar. 19, 1935.

Pat. 1,996,868. **Manufacture of Lenticular Films.** Apr. 9, 1935.

Pat. 1,998,530. **Photographic Material.** Apr. 23, 1935.

Pat. 2,000,353. **Process of Treating Photographic Layers in a Bath Containing a Wetting Agent and New Preparations Intended for Acting on Photographic Layers.** May 7, 1935.

Pat. 2,001,250. **Process of Producing Cinematographic Three- and Multi-Color Pictures.** May 14, 1935.

Pat. 2,002,035. **Pack of Photographic Plates.** May 21, 1935.

Pat. 2,002,076. **Photographic Camera.** May 21, 1935.

Pat. 2,005,818. **Camera.** June 25, 1935.

Pat. 2,005,820. **Folding Camera.** June 25, 1935.

Pat. 2,005,837. **Manufacture of Photographic Emulsions.** June 25, 1935.

Pat. 2,005,847. **Sound Film.** June 25, 1935.

Pat. 2,006,002. **Manufacture of Photographic Silver Halide Emulsion Layers.** June 25, 1935.

Pat. 2,010,186. **Container for Film Rolls.** Aug. 6, 1935.

Pat. 2,010,188. **Process of Fastening Photographic Films on Supports and Article Produced Thereby.** Aug. 6, 1935.

Pat. 2,011,669. **Photographic Emulsions.** Aug. 20, 1935.

Pat. 2,011,895. **Photographic Camera.** Aug. 20, 1935.

Pat. 2,014,495. **Sound Recording.** Sept. 17, 1935.

Pat. 2,015,261. **Diaphragm for Cameras.** Sept. 24, 1935.

Pat. 2,016,471. **Stabilizing Silver Halide Emulsions.** Oct. 8, 1935.

Pat. 2,017,184. **Cutting Webs of Paper.** Oct. 15, 1935.

Pat. 2,018,812. **Printing Sound and Moving Picture Films.** Oct. 29, 1935.

Pat. 2,020,607. **Photographic Material.** Nov. 12, 1935.

Pat. 2,020,636. **Sensitizing of Silver Halide Emulsions.** Nov. 12, 1935.

Pat. 2,020,642. **Manufacture of Foils and Threads.** Nov. 12, 1935.

Pat. 2,020,901. **Process for Producing Pictures.** Nov. 12, 1935.

Pat. 2,021,264. **Printing Device for Sound Films.** Nov. 19, 1935.

Pat. 2,022,768. **Process of Printing Copies from a Lenticular Film.** Dec. 3, 1935.

Pat. 2,025,862. **Illuminating Device.** Dec. 31, 1935.

Pat. 2,026,677. **Folding Camera.** Jan. 7, 1936.

Pat. 2,026,899. **Process of Retouching Photographic Films or Plates.** Jan. 7, 1936.

Pat. 2,027,688. **Manufacture of Foils.** Jan. 14, 1936.

Pat. 2,029,578. **Flashlight.** Feb. 4, 1936.

Pat. 2,030,336. **Photographic Developer.** Feb. 11, 1936.

Pat. 2,030,983. **Treatment of Films and Foils of Organic Cellulose Esters.** Feb. 18, 1936.

Pat. 2,031,071. **Photographic Copying Apparatus.** Feb. 18, 1936.

Pat. 2,032,506. **Sensitizing Photographic Silver Halide Emulsions.** Mar. 3, 1936.

Pat. 2,033,225. **Projector.** Mar. 10, 1936.

Pat. 2,034,029. **Flashlight Device.** Mar. 17, 1936.

Pat. 2,034,978. **Photographic Camera.** Mar. 24, 1936.

Pat. 2,036,326. **Camera.** Apr. 7, 1936.

Pat. 2,036,546. **Filter Layer.** Apr. 7, 1936.

Pat. 2,038,037. **Photographic Camera.** Apr. 21, 1936.

Pat. 2,038,831. **Manufacture of Multicolor Filter.** Apr. 28, 1936.

Pat. 2,042,895. **Color Photography.** June 2, 1936.

Pat. 2,043,612. **Roll Film Camera.** June 9, 1936.

Pat. 2,044,333. **Marking Sound and Moving Picture Film for the Purpose of Synchronization.** June 16, 1936.

Pat. 2,045,037. **Range Finder Focusing Attachment for Folding Cameras.** June 23, 1936.

Pat. 2,045,080. **Manufacture of Molded Articles.** June 23, 1936.

Pat. 2,050,588. **Manufacture of Anti-Halation or Filter Layers.** Aug. 11, 1936.

Pat. 2,051,134. **Sensitizing Silver-Halide Emulsions.** Aug. 18, 1936.

Pat. 2,052,754. **Sensitizing Silver Halide Emulsions.** Sept. 1, 1936.

Pat. 2,053,867. **Photographic Camera.** Sept. 8, 1936.

Pat. 2,057,153. **Motion Picture Projector.** Oct. 13, 1936.

Pat. 2,057,764. **Manufacture of Stabilized Silver Halide Emulsions.** Oct. 20, 1936.

Pat. 2,058,438. **Film Reel.** Oct. 27, 1936.

Pat. 2,058,439. **Cinematographic Apparatus.** Oct. 27, 1936.

Pat. 2,058,725. **Backing of Photographic Materials to Prevent Halation.** Oct. 27, 1936.

Pat. 2,060,089. **Combination of Camera and Exposure Meter.** Nov. 10, 1936.

Pat. 2,060,382. **Trimethine-Cyanine Dyes.** Nov. 10, 1936.

Pat. 2,060,383. **Sensitized Silver Halide Emulsions.** Nov. 10, 1936.

Pat. 2,060,594. **Photographic Developer.** Nov. 10, 1936.

Pat. 2,060,595. **Photographic Developer.** Nov. 10, 1936.

Pat. 2,060,596. **Photographic Developer.** Nov. 10, 1936.

Pat. 2,060,933. **Camera.** Nov. 17, 1936.

Pat. 2,060,956. **Film Roll.** Nov. 17, 1936.

Pat. 2,061,230. **Manufacture of Gelatin Reliefs for Printing.** Nov. 17, 1936.

Pat. 2,061,688. **Manufacture of Direct Positives for Autotype.** Nov. 24, 1936.

Pat. 2,065,411. **Sensitizing of Photographic Emulsions.** Dec. 22, 1936.

Pat. 2,065,412. **Sensitizing of Photographic Emulsions.** Dec. 22, 1936.

Pat. 2,065,449. **Camera.** Dec. 22, 1936.

Pat. 2,066,099. **Photographic Emulsion.** Dec. 29, 1936.

Pat. 2,066,727. **Photographic Printing.** Jan. 5, 1937.

Pat. 2,066,966. **Manufacture of Light Sensitive Materials.** Jan. 5, 1937.

Pat. 2,066,967. Dyes of the Cyanine Series. Jan. 5, 1937.

Pat. 2,066,968. Manufacture of Light-Sensitive Materials. Jan. 5, 1937.

Pat. 2,068,047. Thio- and Seleno-Carbocyanines. Jan. 19, 1937.

Pat. 2,068,911. Photographic Shutter. Jan. 26, 1937.

Pat. 2,070,122. Roll Film Camera. Feb. 9, 1937.

Pat. 2,071,374. Sensitizing of Photographic Emulsions. Feb. 23, 1937.

Pat. 2,071,462. Film. Feb. 23, 1937.

Pat. 2,071,463. Film. Feb. 23, 1937.

Pat. 2,071,993. Trimethine Cyanine Dyes. Feb. 23, 1937.

Pat. 2,071,994. Thiazole Trimethine Cyanines. Feb. 23, 1937.

Pat. 2,072,908. Naphthoxo-Trimethine Cyanines. Mar. 9, 1937.

Pat. 2,073,759. Manufacture of Polymethine Dyes. Mar. 16, 1937.

Pat. 2,074,200. Prepared Chemicals and Method of Preparing the Same. Mar. 16, 1937.

Pat. 2,074,647. Manufacture of Foils and Artificial Products. Mar. 23, 1937.

Pat. 2,075,144. Antihalation Layers for Photographic Plates and Films. Mar. 30, 1937.

Pat. 2,075,145. Antihalation Layer. Mar. 30, 1937.

Pat. 2,075,153. Light Filter. Mar. 30, 1937.

Pat. 2,076,984. Intensifying and Fluorescent Screen. Apr. 13, 1937. Re. 21,216. Sept. 26, 1939.

Pat. 2,077,789. Antihalation Layer. Apr. 20, 1937.

Pat. 2,078,689. Source of Light for Photography. Apr. 27, 1937.

Pat. 2,080,551. Sensitizing Silver Halide Emulsion. May 18, 1937.

Pat. 2,082,178. Light Sensitive Derivatives of Vat Dyestuffs and a Process of Preparing Them. June 1, 1937.

Pat. 2,083,804. Sensitizing Photographic Emulsion. June 15, 1937.

Pat. 2,084,041. Storage Roll for Films. June 15, 1937.

Pat. 2,084,165. Cinematographic Film Spool. June 15, 1937.

Pat. 2,084,420. Manufacture of Photographic Pictures. June 22, 1937.

Pat. 2,084,436. Photographic Material. June 22, 1937.

Pat. 2,086,689. Carbocyanine Dyes and Process of Manufacturing the Same. July 13, 1937.

Pat. 2,086,930. Cassette for Photographic Films. July 13, 1937.

Pat. 2,088,145. Light-Sensitive Material. July 27, 1937.

Pat. 2,089,321. Photographic Sensitizer Material. Aug. 10, 1937.

Pat. 2,089,322. Methine Cyanine Dye. Aug. 10, 1937.

Pat. 2,089,323. Manufacture of Benzoselenocyanine Dyes. Aug. 10, 1937.

Pat. 2,089,460. Process for Fastening a Photographic Material on a Support and the Resulting Product. Aug. 10, 1937.

Pat. 2,089,764. Antihalation Layer. Aug. 10, 1937.

Pat. 2,090,798. Driving Claw. Aug. 24, 1937.

Pat. 2,094,214. Device for Stopping Multicolor Filters. Sept. 28, 1937.

Pat. 2,094,799. Delay Action Mechanism or Timing Device for Photographic Shutters. Oct. 5, 1937.

Pat. 2,095,015. Manufacture of Half Tone Screens. Oct. 5, 1937.

Pat. 2,095,018. Manufacture of Antihalation Layers. Oct. 5, 1937.

Pat. 2,096,842. Trimethine Cyanine Dyes. Oct. 26, 1937.

Pat. 2,097,119. Bleaching-Out Dye Layers. Oct. 26, 1937.

Pat. 2,097,197. Folding Camera. Oct. 26, 1937.

Pat. 2,098,086. Photographic Desensitizer. Nov. 2, 1937.

Pat. 2,098,891. Photographic Material. Nov. 9, 1937.

Pat. 2,099,159. Developing Apparatus. Nov. 16, 1937.

Pat. 2,099,439. Pasting Press. Nov. 16, 1937.

Pat. 2,100,594. Color Photography. Nov. 30, 1937.

Pat. 2,101,710. Apparatus for Measuring the Region of Density of a Negative. Dec. 7, 1937.

Pat. 1,101,932. Exposure Control. Dec. 14, 1937.

Pat. 2,103,961. Exposure Frame for Roentgen Film. Dec. 28, 1937.

Pat. 2,104,064. Sensitizing of Silver Halide Emulsions. Jan. 4, 1938.

Pat. 2,104,855. Polymethine Dyes. Jan. 11, 1938.

Pat. 2,106,374. Film Magazine. Jan. 25, 1938.

Pat. 2,106,383. Manufacture of Carbocyanine Dyes. Jan. 25, 1938.

Pat. 2,107,116. Multicolor Filter. Feb. 1, 1938.

Pat. 2,107,379. Manufacture of Carbocyanine Dyes. Feb. 8, 1938.

Pat. 2,108,243. Photographic Developer. Feb. 15, 1938.

Pat. 2,108,982. Apparatus for Developing Film in Daylight. Feb. 22, 1938.

Pat. 2,110,292. Means for Supporting Cameras on Vehicles. Mar. 8, 1938.

Pat. 2,111,425. Small Size Camera. Mar. 15, 1938.

Pat. 2,111,479. Light-Sensitive Derivatives of Vat Dyestuffs and a Process of Preparing Them. Mar. 15, 1938.

Pat. 2,122,599. Photographic Developers. July 5, 1938.

Pat. 2,123,465. Range Finder. July 12, 1938.

Pat. 2,124,159. Method of Increasing the Brilliancy of Photographic Pictures, and Composition Therefor. July 19, 1938.

Pat. 2,124,292. Photographic Camera with Photo-Electric Exposure Meter. July 19, 1938.

Pat. 2,124,612. Color Photography. July 26, 1938.

Pat. 2,125,162. Manufacture of Lenticular Stencil Film. July 26, 1938.

Pat. 2,126,078. Sensitizing Photographic Emulsion. Aug. 9, 1938.

Pat. 2,126,852. Carbocyanine Dyestuffs and a Process of Preparing Them. Aug. 16, 1938.

Pat. 2,129,302. Means for Sensitizing and Processing Cards. Sept. 6, 1938.

Pat. 2,129,847. Winding Roll Film. Sept. 13, 1938.

Pat. 2,130,572. Layers Containing Bleaching-Out Dyes. Sept. 20, 1938.

Pat. 2,131,742. Photographic Desensitizing. Oct. 4, 1938.

Pat. 2,131,853. Substituted Hepta- and Penta-Methine Cyanines. Oct. 4, 1938.

Pat. 2,131,864. Process of Making Heptamethine Dyes. Oct. 4, 1938.

Pat. 2,131,865. Process of Making Pentamethine Cyanine Dyes. Oct. 4, 1938.

Pat. 2,132,157. Roll Film Camera. Oct. 4, 1938.

Pat. 2,132,160. Manufacture of Shaped Articles. Oct. 4, 1938.

Pat. 2,132,169. Photographic Desensitizing. Oct. 4, 1938.

Pat. 2,134,546. High Speed Infrared Film. Oct. 25, 1938.

Pat. 2,135,638. Cinematographic Apparatus. Nov. 8, 1938.

Pat. 2,138,223. Polymethine Dyes. Nov. 29, 1938.

Pat. 2,139,870. Photographic Developers. Dec. 13, 1938.

Pat. 2,143,389. Dyes of the Cyanine Series. Jan. 10, 1939.

Pat. 2,146,040. Development of Silver Halide Emulsions in Color. Feb. 7, 1939.

Pat. 2,146,802. Dry Hypersensitizing of Photographic Emulsions. Feb. 14, 1939.

Pat. 2,147,112. Antihalation Layer and Filter Layer. Feb. 14, 1939.

Pat. 2,148,790. Time Controlled Electrical Switch. Feb. 28, 1939.

Pat. 2,148,979. Color Photography. Feb. 28, 1939.

Pat. 2,148,980. Photographic Material for Color Photography. Feb. 28, 1939.

Pat. 2,150,757. Film Drier. Mar. 14, 1939.

Pat. 2,150,966. Intensifying and Fluorescent Screen. Mar. 21, 1939.

Pat. 2,152,460. Manufacture of Photographic Gelatin Emulsions. Mar. 28, 1939.

Pat. 2,152,615. Pentamethine-Omega-Aldehydes of Heterocyclic Bases. Mar. 28, 1939.

Pat. 2,153,617. Manufacture of Colored Photographic Pictures. Apr. 11, 1939.

Pat. 2,153,619. Production of Photographs in Blue-Black Tones. Apr. 11, 1939.

Pat. 2,153,665. Roll Film Camera. Apr. 11, 1939.

Pat. 2,154,895. Process of Hardening Protein Substances. Apr. 18, 1939.

Pat. 2,154,918. Coupling Compounds for Color Forming Development. Apr. 18, 1939.

Pat. 2,154,958. View Finder for Cameras. Apr. 18, 1939.

Pat. 2,155,475. Sensitizing Silver Halide Emulsions. Apr. 25, 1939.

Pat. 2,155,501. Photographic Treating Bath. Apr. 25, 1939.

Pat. 2,156,821. Derivatives of α-Hydroxynaphthoic Acid. May 2, 1939.

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 13,934 through 14,175) are the balance of Schedule 2, Groups 28; 32.

Detailed information concerning specific abstracts should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 2—Continued

Patents Relating to Sodium

Pat. 1,931,144. Treatment of Metals. Oct. 17, 1933. Inert gas such as N_2 is passed thru molten Na to form a mixture of N_2 and Na vapors which are passed into molten metals such as steel.

Pat. 1,937,934. Metallurgical Process. Dec. 5, 1933. Deoxidation of molten brass by adding a sodium-zinc alloy.

Pat. 1,943,307. Purifying Light Metals. Jan. 16, 1934. Filtration of liquid sodium. Liquid sodium under nitrogen is removed through a filter by suction and the sludge is collected and removed at bottom of container. Filter is cleaned by a backward surge of the liquid metal.

Pat. 1,952,616. Process for Refining Hydrocarbon Oils. Mar. 27, 1934. Refining hydrocarbon oils, gasoline, etc. by treating with large excess of Na. Excess recovered and reused.

Pat. 1,962,698. Refining Liquid Hydrocarbons. June 12, 1934. Hydrocarbons partially refined by treatment with a mixture of Na and by-products from a previous treatment is further refined by treatment with an excess of Na, the excess Na and by-product mixture being separated and used to partially refine untreated hydrocarbons.

Pat. 1,996,471. Preparation of Acyloins. Apr. 2, 1935. Acyloins containing 24 or more carbon atoms are made by reacting fatty acid esters with sodium in a solvent.

Pat. 2,019,022. Preparation of High Molecular Weight Alcohols. Oct. 29, 1935. High molecular weight alcohols are produced by reacting an ester of the corresponding high molecular weight acid simultaneously with sodium and a hydrolytic alcohol in an inert medium.

Pat. 2,025,684. Fatty Acid Esters of Symmetrical Dialkyl Ethylene Glycols and Their Production. Dec. 24, 1935. Acyloins of higher fatty acids, e. g. caprylic, lauric, myristic and stearic acids, are reduced by Na and alcohol or by H_2 with nickel catalyst to glycols which are esterified.

Pat. 2,029,998. Metal Recovery. Feb. 4, 1936. Process for treating sodium filter residue with NaCl to convert the Ca to Na and for recovering the latter.

Pat. 2,042,557. Refining Hydrocarbons. June 2, 1936. Hydrocarbon lubricating oils are refined by simultaneous treatment with sodium and oxygen.

Pat. 2,048,169. Refining Hydrocarbons. July 21, 1936. Hydrocarbons such as petroleum and coal distillates are purified (i. e. sulfur removed and unsaturated hydrocarbons polymerized) by treating with a sodium addition compound of a polycyclic aromatic addition compound, e. g. naphthalene, anthracene, diphenyl.

Pat. 2,054,316. Separation of Metals. Sept. 15, 1936. Traces of Ca are removed from Na by treating with molten NaOH to oxidize the Ca and removing precipitated CaO by filtration or settling.

Pat. 2,056,184. Electrolysis of Fused Salts. Oct. 6, 1936. Improvements in cell design to prevent changes in electrolyte composition between the electrodes. Circulation is increased by perforating the cathode. A cell with

a smaller distance between the anode and cathode, whereby the cell can be operated at a lower temperature and improved efficiency.

Pat. 2,058,131. Process of Refining Hydrocarbon Oil. Oct. 20, 1936. Hydrocarbon oils treated with alkali metal in such quantities that no excess is left. The impurities are filtered out and the oil is then treated with an absorbent material.

Pat. 2,068,681. Apparatus for the Production of Light Metals. Jan. 26, 1937. Cooled riser pipe for Downs Cell for electrolytic production of sodium.

Pat. 2,071,124. Metal Recovery Process. Feb. 16, 1937. Filter sludge containing Na, Ca and oxides is electrolyzed in a Downs cell to give Na and $CaCl_2$.

Pat. 2,073,631. Metal Recovery. Mar. 16, 1937. Process for converting Ca in sodium filter sludge to Na by the reaction Ca plus 2NaCl equals 2Na plus $CaCl_2$.

Pat. 2,073,973. Treating Hydrocarbon Oils. Mar. 16, 1937. Reaction of hydrocarbon oils with sodium under hydrogen pressure to produce complex sodium compounds which act as hydrogenation catalysts.

Pat. 2,079,403. Reduction of Acyloins. May 4, 1937. Acyloins of higher fatty acids, e. g. caprylic, lauric, myristic and stearic acids, are reduced to the corresponding glycols by sodium and alcohol, or by H_2 under pressure in the presence of a catalyst, e. g. reduced nickel.

Pat. 2,091,179. Preparation of Salt Mixtures. Aug. 24, 1937. Salt mixtures containing NaCl, $CaCl_2$, and CaO are electrolyzed (e. g. in the Downs Na cell) to convert the CaO to $CaCl_2$.

Pat. 2,096,036. Reduction of Esters. Oct. 19, 1937. High molecular weight alcohols are produced by reducing esters of the corresponding acids (e. g. ricinoleic, sebacic, abietic) with Na and alcohol in the presence of an aliphatic ether.

Pat. 2,106,555. Manufacture of White Lead. Jan. 25, 1938. Lead containing 0.5 to 1% of sodium is used in place of pure lead in the usual white lead processes. The presence of the sodium causes more rapid reaction.

Pat. 2,111,264. Electrolysis of Fused Salts. Mar. 15, 1938. Process for production of sodium by fused salt electrolysis, utilizing perforated cathode.

Pat. 2,113,243. Production of Abietic Alcohol. Apr. 5, 1938. Higher alcohols produced by reducing esters of the corresponding acids with Na and a secondary or tertiary alcohol.

Pat. 2,124,564. Metal Purification. July 26, 1938. Sodium amalgam or Na containing small quantities of Hg is reacted with a alkali earth metal (Ca) above the melting point of Na (300° C.) to form a sludge of alkali earth amalgam which is removed leaving pure sodium.

Pat. 2,130,801. Production of Light Metals. Sept. 20, 1938. Removal of crude sodium from Downs Cell in such manner that calcium is precipitated and returned to electrolyte.

Pat. 2,148,404. Production of Alkali Metals. Feb. 21, 1939. Production of sodium ex amalgam by electrolysis in a low fusing electrolyte, e. g. NaOH–NaI.

Pat. 2,150,437. Metal Recovery. Mar. 14, 1939. A process and apparatus for carrying out the reaction Ca plus 2NaCl equals 2Na plus $CaCl_2$ and other reactions of a similar nature. Process used for converting Ca in sodium filter sludge into sodium.

Pat. 2,162,619. Metallurgical Process. June 13, 1939. Sodium ex carbonate and carbon; gas cooling of reaction products.

Pat. 2,163,100. Production of Finely Divided Sodamide. June 20, 1939. Finely divided sodamide by reacting metallic sodium with liquid ammonia in the presence of an iron compound as catalyst.

Pat. 2,177,412. Process for Reducing Metal Compounds. Oct. 24, 1939. Metal powders made by reducing metal salts with sodium naphthalene addition compound.

Pat. 2,188,930. Metal Cleaning Process. Feb. 6, 1940. Sodium-lead alloy for cleaning metal, e. g. for removing oxide coating.

Pat. 2,194,441. Refining Lead. Mar. 19, 1940. Molten lead containing bismuth is purified by addition of Mg, KOH and Na.

Pat. 2,194,443. Anode for Electrolytic Cell. Mar. 19, 1940. Slotted anode for sodium cell for electrolysis of fused salt.

Pat. 2,194,444. Fused Salt Electrolysis Cell. Mar. 19, 1940. In a fused salt electrolytic cell, a gas collecting device comprising a gas collecting dome and a slotted pipe located in the dome.

Pat. 2,211,415. Potassium-Sodium-Lead Alloy. Aug. 13, 1940. Preparation of potassium-lead alloy containing small amount of sodium (for refining lead).

Pat. 2,218,021. Electrolytic Cell Gas Outlet. Oct. 15, 1940. Dome for Na cell containing diagonal baffle of a construction designed to prevent freezing of bath in upper part of dome.

Pat. 2,224,814. Electrolytic Production of Metals. Dec. 10, 1940. Sodium amalgam produced by electrolysis of salt solutions is cooled to precipitate a concentrated amalgam from which Na is separated by distillation or by reaction with an alkali earth metal (Ca) to produce sodium and separate alkali earth metal amalgam.

Pat. 2,224,820. Electrolytic Fused Bath. Dec. 10, 1940. Solid salt in sodium cell riser pipe to remove calcium.

Pat. 2,234,967. Production of Alkali Metals. Mar. 18, 1941. In an electrolytic cell for recovery of sodium from a sodium amalgam anode, an insulated shield to prevent the cell wall from acting as anode.

Pat. 2,249,765. Electrical Contacts in Electrolytic Cells. July 22, 1941. Metallized electric contact between copper bus bars and graphite electrodes, particularly for fused salt cells.

Pat. 2,266,750. Metal Purification. Dec. 23, 1941. Method and apparatus for treating molten metals with sodium involving a bell device into which molten sodium is dropped and vaporized, the vapors passing under the edges of the bell into the molten metal.

Pat. 2,267,733. Alcoholates. Dec. 30, 1941. Sodium alcoholates prepared by reacting alcohols with sodium hydride.

Pat. 2,276,232. Metal Coating Process. Mar. 10, 1942. Process for coating base metal with sodium alloys Na-Sn or Na-Zn.

Pat. 2,277,268. Metal Treatment Process and Apparatus. Mar. 24, 1942. Method and apparatus for treating non-ferrous metals particularly copper, with Na vapors. Molten copper is flowed through an atmosphere of Na vapor into a mold and the mold is then immersed in liquid Na to generate Na vapor and freeze the copper.

Pat. 2,340,613. Salt Purification. Feb. 1, 1944. Purification of salt by froth flotation in a saturated brine solution.

Pat. 2,347,408. Location of Faults in Electrolytic Cell Systems. Apr. 25, 1944. Method and apparatus for location of ground faults in electrolytic cell systems by periodically measuring the resistance between the electrolytic cell, D. C. circuit and ground, and measuring the voltage at a selected point between the cell circuit and ground and, from the results of these periodic measurements, determining the degree and location of current leakage by a simple computation. A formula is provided for making the computation.

Pat. 2,361,027. Drying Compositions. Oct. 24, 1944. Drying oils are produced by the condensation of esters of unsaturated aliphatic acids in the presence of condensing agents of the Claisen type, e. g. NaH and NaOH. Superior drying oils are obtained from the simple esters of tung, menhaden, and sardine oils.

Pat. 2,364,799. Concentration of Slurries. Dec. 12, 1944. Centrifugal separator for the concentration of slurries, e. g. salt slurries.

Pat. 2,372,670. Production of Alkali Metal Hydride. Apr. 3, 1945. Alkali metal hydride, made by mixing molten sodium or other alkali metal with a finely divided solid material, e. g. sodium hydride, and a fatty acid salt, e. g. magnesium stearate, and reacting the mixture with hydrogen.

Pat. 2,372,671. Production of Alkali Metal Hydride. Apr. 3, 1945. Alkali metal hydride, formed by mixing molten alkali metal (sodium) with alkali metal hydride and alkali metal hydrocarbide or hydrocarbon and reacting with hydrogen above the melting point of the alkali metal.

Pat. 2,432,013. Measurement of Leakage Resistance in Electrolytic Cell Systems. Dec. 2, 1947. A device for measuring resistance to ground in a system of direct electrolytic cells comprising a voltmeter connected between said system and ground, a shunt circuit having a resistance of known value connected in parallel with said voltmeter, and a switch for opening and closing said shunt circuit.

Pat. 2,432,973. Level Control. Dec. 16, 1947. Apparatus for automatically feeding salt into a sodium cell, comprising a salt feeding orifice and a float mechanism capable of limited vertical movement to control the flow of salt from the orifice onto a horizontal plate attached to the float.

Patents Relating to Sodium Hydride

Pat. 2,158,071. Ester Condensations. May 16, 1939. Sodium hydride as a condensing agent for ester and ketone condensation reactions.

Pat. 2,211,419. Ester Condensation. Aug. 13, 1940. NaH as condensing agent for condensing esters with aromatic aldehydes, e. g. benzaldehyde, furfural.

Pat. 2,218,026. Organic Condensations. Oct. 15, 1940. Condensation of esters by means of sodium hydride.

Pat. 2,377,876. Metal Cleaning Process and Composition. June 12, 1945. Cleaning metals in a fused bath composed of alkali metal hydroxide having dissolved therein an alkali metal hydride.

Pat. 2,398,738. Process of Metal Coating Light Metals. Apr. 16, 1946. Coating aluminum or magnesium surfaces by contact with a fused salt bath comprising a halide of copper, lead, or silver, removing residual halide by immersion in alkali metal hydride dissolved in caustic, and washing in water.

Patents Relating to Sodium-Naphthalene and Derivatives

Pat. 2,019,832. Reactions of Sodium with Hydrocarbons. Nov. 5, 1935. Addition compounds of Na with naphthalene and its homologues are formed in a reaction medium comprising an aliphatic meno ether having an oxygen to carbon ratio of not less than 1:4 and having a CH_3—O— group.

Pat. 2,023,793. Reactions of Sodium with Hydrocarbons. Dec. 10, 1935. Addition compounds of Na with naphthalene and its homologues are formed in a reaction medium comprising a poly ether of a polyhydric alcohol.

Pat. 2,027,000. Process of Reacting Alkali Metals with Aromatic Hydrocarbons. Jan. 7, 1936. Addition compounds of Na with naphthalene and its homologues are formed in a reaction medium comprising an inert but effective ether.

Pat. 2,033,056. Production of Organic Acids. Mar. 3, 1936. Dicarboxylic acids of partially hydrogenated polycyclic aromatic hydrocarbons (dihydronaphthalene) are produced by reacting Na with the hydrocarbon (naphthalene) in a suitable ether solvent and simultaneously adding CO_2 at a sufficient rate to discharge color of reaction mixture.

Pat. 2,035,346. Synthetic Resin. Mar. 24, 1936. Resins produced by heating a polyhydric alcohol (e. g. glycerol) with a dihydrogenated polycyclic polycarboxylic acid (e. g. dihydronaphthalene dicarboxylic acid).

Pat. 2,040,882. Cellulose Derivative Compositions. May 19, 1936. Esters of dihydronaphthalene dicarboxylic acid are used as plasticizers in compositions of cellulose derivatives.

Pat. 2,054,100. Preparation of Polycyclic Aromatic Monocarboxylic Acids. Sept. 15, 1936. Production of monobasic aromatic acids (e. g. naphthoic acid) by the oxidation of dihydrodicarboxy derivatives of polycyclic aromatic hydrocarbons (e. g. DHN dicarboxylic acid) in an aqueous solution of a complex cyanide (e. g. ferricyanide).

Pat. 2,054,303. Reactions of Sodium with Hydrocarbons. Sept. 15, 1936. Production of sodium naphthalene by addition of Na to naphthalene in a solution of ethylene glycol methyl ethyl ether.

Pat. 2,055,708. Hydrogenated Products. Sept. 29, 1936. A process for making dihydronaphthalene, its homologues, and resinous polymers thereof, by reacting naphthalene with Na in a suitable ether solvent and hydrolyzing the reaction product.

Pat. 2,060,829. Esters of Dihydronaphthalene-Dicarboxylic Acids and Method of Making Same. Nov. 17, 1936. Dihydronaphthalene is treated with a monohydric alcohol, or the Na salt of the acid is reacted with a halide to produce the corresponding esters (e. g. dibutyl, dimethoxyethyl, dicyclohexyl, diethyl, dimethyl, dilauryl).

Pat. 2,065,756. Hydrogenated Esters. Dec. 29, 1936. Esters of dihydronaphthalene dicarboxylic acid are hydrogenated at 1000–1500 lbs./sq. in. and 100–200° C., using a nickel catalyst.

Pat. 2,108,213. Hydrogenated Products. Feb. 25, 1938. Dihydronaphthalene polymers are produced by reacting dihydronaphthalene with sodium naphthalene at 20–30° C. and hydrolyzing the reaction product.

Pat. 2,108,277. Reacting Hydrocarbons with Alkali Metals. Feb. 15, 1938. Tertiary amine ethers as solvents for alkali metal-aromatic hydrocarbon addition reactions.

Pat. 2,119,493. Reacting Hydrocarbons with Alkali Metals. May 31, 1938. Tertiary aliphatic amines as solvents for alkali metal-aromatic hydrocarbon addition reactions.

Pat. 2,125,401. Process of Reacting Alkali Metal with Aromatic Hydrocarbons. Aug. 2, 1938. Addition compounds of Na with naphthalene and homologues are formed in a reaction medium comprising aliphatic poly ethers.

Pat. 2,130,800. Hydrogenated Resins. Sept. 20, 1938. Hydrogenated dihydronaphthalene resin.

Pat. 2,168,011. Polymerization of 1,2-Dihydronaphthalene and Polymer. Aug. 1, 1939. Dimer of 1,2-dihydronaphthalene made by sulfuric acid treatment of dihydronaphthalene.

Pat. 2,171,869. Preparation of Organic Cyano Compounds. Sept. 5, 1939. Use of sodium naphthalene and homologues to form sodium addition products of nitriles.

Pat. 2,171,871. Preparation of Organic Acids. Sept. 5, 1939. Use of sodium naphthalene and homologues to form sodium addition compounds of organic acids.

Pat. 2,174,293. Purification of Ethers. Sept. 26, 1939. Ethers purified with sodium naphthalene addition compound.

Pat. 2,181,770. Method of Polymerization of 1,2-Dihydronaphthalene. Nov. 28, 1939. Polymerization of 1,2-dihydronaphthalene by means of sodium naphthalene addition compound.

Pat. 2,181,771. Method of Polymerization of Styrene. Nov. 28, 1939. Polymerization of styrene with sodium naphthalene addition compound.

Pat. 2,183,847. Process of Reacting Alkali Metals with Aromatic Hydrocarbons. Dec. 19, 1939. Formals as solvents for sodium-naphthalene reaction.

Pat. 2,194,450. Dimer of 1,4-Dihydronaphthalene. Mar. 19, 1940. Dihydronaphthalene dimer.

Pat. 2,199,026. Chlorinated Aromatic Resins. Apr. 30, 1940. Dihydronaphthalene resin chlorinated to contain from 2 to 3.75 atoms of chlorine per naphthalene nucleus.

Pat. 2,202,501. Sulphurized Dihydropolycyclic Aromatic Hydrocarbons and Process for Making Same. May 28, 1940. Sulfurized dihydronaphthalene.

Pat. 2,202,502. Sulphurized Dihydronaphthalene Dimer and Process for Making Same. May 28, 1940. Sulfurized dihydronaphthalene dimer formed by heating a dihydronaphthalene dimer with sulfur at 140–170° C.

Pat. 2,267,773. Colloidal Dispersions of 1,2-Dihydronaphthalene Polymer. Dec. 30, 1941. Colloidal dispersions of infusible 1,2-dihydronaphthalene polymer in halogenated compounds.

Patents Relating to Vinyl Products

Pat. 1,945,307. Polymerization of Esters of Ethylenedicarboxylic Acids. Jan. 30, 1934. Interpolymers of esters of fumaric, maleic, citraconic, or messaconic acids with vinyl esters or styrene.

Pat. 1,975,087. Composition of Matter. Oct. 2, 1934. Chlorine-free resins ex vinyl chloroacetate and an alkali metal salt of an alcohol, phenol, or carboxylic acid.

Pat. 1,988,529. Low-Viscosity Vinyl Polymers. Jan. 22, 1935. Low-viscosity vinyl resins ex vinyl esters or styrene in presence of ethylene oxide.

Pat. 2,053,112. Flexible Conductor. Sept. 1, 1936. Hose of polyvinyl alcohol.

Pat. 2,098,836. Insecticide. Nov. 9, 1937. Nicotine insecticidal spray containing a hydrophillic vinyl compound, e. g. polyvinyl alcohol, its partial esters, ethers and acetals.

Pat. 2,127,896. Method of Producing Elastic Objects from Polyvinyl Alcohols. Aug. 23, 1938. Elastic articles, e. g. hoses, threads, bands, packings, etc., made ex compositions of polyvinyl alcohol, a softening agent and a minimum amount of water.

Pat. 2,138,751. Process for the Production of Elastic Objects from Polyvinyl Alcohol. Nov. 29, 1938. Elastic articles, e. g tubing, sheets, packings, etc., made ex compositions of water-insoluble polyvinyl alcohol, a softening agent and water.

Pat. 2,162,618. Coating Metal. June 13, 1939. Polyvinyl alcohol coatings for protecting metals against corrosion and rust.

Pat. 2,174,629. Process for Printing and Photographing and Material Therefor. Oct. 3, 1939. Sensitized coating for photographic and printing purposes comprising polyvinyl alcohol and a catalyst (e. g. a soluble bichromate) reactive therewith in the presence of actinic rays to render same less soluble.

Pat. 2,184,288. Photographic and Printing Media. Dec. 26, 1939. Combination of polyvinyl alcohol with salts of higher fatty acids for photolithography.

Pat. 2,184,289. Photographic and Printing Media. Dec. 26, 1939. Organic sulfonyl compounds for increasing the ink-receptivity of polyvinyl alcohol printing plates.

Pat. 2,184,310. Photographic and Printing Media. Dec. 26, 1939. Combinations of polyvinyl alcohol with polybasic acids for photolithography.

Pat. 2,184,311. Photographic and Printing Media. Dec. 26, 1939. Polyvinyl alcohol and rubber latex for photolithographic plates.

Pat. 2,226,075. Soap Product. Dec. 24, 1940. Polyvinyl alcohol-soap mixture in sheet form.

Pat. 2,231,887. Chemical Process. Feb. 18, 1941. Production of N-vinyl imides by reacting acetylene with an amide in the liquid phase using a mercury salt catalyst.

Pat. 2,232,785. Preparation of Low Molecular Weight Polymers of Vinylidene Compounds. Feb. 25, 1941. Conversion of vinyl and vinylidene compounds to dimers and trimers by heating with inhibitives.

Pat. 2,250,681. Adhesives. July 29, 1941. Adhesive comprising polyvinyl alcohol and unhydrolyzed starch.

Pat. 2,251,296. Paper Products. Aug. 5, 1941. Paper is rendered grease-proof by a coating of polyvinyl alcohol.

Pat. 2,256,853. Paper Product. Sept. 23, 1941. Paper is rendered grease-proof by a coating consisting of polyvinyl alcohol and starch.

Pat. 2,257,355. Method of Attaching Coupling to Hoses. Sept. 30, 1941. Method of attaching fittings to polyvinyl alcohol tubing.

Pat. 2,322,887. Chemical Treatment of Paper. June 29, 1943. Use of aliphatic N-methylol compounds as insolubilizers for starch in paper manufacture. A small amount of polyvinyl alcohol is used with the starch.

Pat. 2,322,888. Process for Producing High Wet Strength Paper. June 29, 1943. Treatment of paper web with polyvinyl alcohol and aliphatic N-methylol compounds.

Pat. 2,327,082. Polymerization of Styrene. Aug. 17, 1943. Styrene is polymerized utilizing an alkali metal in the presence of certain ethers such as an unsaturated, aliphatic, acyclic polyether having not more than one ether oxygen attached to any one carbon atom or an ethylene glycol dialkyl ether.

Pat. 2,330,314. Manufacture of Non-Woven Fabrics. Sept. 28, 1943. Non-woven fabrics (e. g. for making paper) of high wet strength prepared by applying polyvinyl alcohol solution to the unwoven web of fibers, followed by treatment with alkaline solution.

Pat. 2,334,236. Coated Cellulosic Material. Nov. 16, 1943. Coating cellulosic materials (paper, wood, cellulose film, etc.) with co-polymers of asymmetrical dichloroethylene and a vinyl or vinylidene compound.

Pat. 2,351,301. Plastic Compositions. June 13, 1944. Soft elastic compositions suitable for making printing rolls and the like are prepared by incorporating in partially saponified P. V. A. (Sap. No. 200–500) considerable amounts (35–70%) of a polyglycol such as triethylene glycol or tetramethylene glycol as a plasticizer.

Pat. 2,358,444. Copolymers of Vinyl Ethinyl Carbinols with Alpha-Methylene Mono-Carboxylic Acid Esters. Sept. 19, 1944. Copolymers of vinyl ethinyl carbinols and methacrylic esters.

Pat. 2,378,015. Polyvinyl Ethers of Beta Guanylethanols. June 12, 1945. Polyvinyl ethers of beta-hydroxypropionamidines are produced by reacting polyvinyl beta-cyanoethyl ethers with an anhydrous alcohol and a non-oxidizing acid followed by reaction with ammonia or a monoamine.

Pat. 2,378,535. Monomeric and Polymeric Esters of Vinyl Thiols and Process for Their Manufacture. June 19, 1945. Vinyl thiol esters by heating an ester of 2-mercaptoethanol.

Pat. 2,378,536. New Vinyl Polymer and Process for Its Production. June 19, 1945. Hydrolysis of polyvinyl thiol esters to produce polyvinyl thiols.

Pat. 2,380,009. Interpolymers of Asymmetrical Dichloroethylene. July 10, 1945. Interpolymers of vinylidene chloride and unsaturated ketones.

Pat. 2,381,338. Vinyl Trimethyl Acetate and Synthetic Resins Made Therefrom. Aug. 7, 1945. A copolymer of vinyl trimethyl-acetate and trichloroethylene.

Pat. 2,389,626. Preparation of Vinyl Halides. Nov. 27, 1945. Production of vinyl halides by bringing an acetylenic compound in the vapor phase, in admixture with a hydrogen halide, into contact with a gold halide. For example, reacting acetylene with HCl by contact with gold chloride.

Pat. 2,391,465. Synthesis of Vinyl Chloride. Dec. 25, 1945. Production of vinyl chloride by reacting acetylene with hydrogen chloride in the presence of a supported mercurous chloride catalyst.

Pat. 2,395,581. Modified Vinyl Chloride-Fumaric Ester Copolymer. Feb. 26, 1946. Vinyl chloride-fumaric ester copolymers plasticized with an alkoxyalkyl ester of a carboxylic acid having at least two oxygen-bearing functional groups; e. g. dibutoxy sebacate and methoxyethyl acetyl recinoleate.

Pat. 2,397,724. Copolymers of Vinyl Chloride and Trichloroethylene. Apr. 2, 1946. Production of resins of copolymerizing vinyl chloride and trichloroethylene.

Pat. 2,399,208. Surface Useful Materials. Apr. 30, 1946. Lithographic printing plate surfaced with completely hydrolyzed ethylene/vinyl acetate or polyvinyl alcohol copolymer, grease receptive printing layers being located on the copolymer coating.

Pat. 2,399,401. Polyvinyl Alcohol Compositions. Apr. 30, 1946. Polyvinyl alcohol is plasticized with a combination of an aldehyde and an organic hydroxy compound, e. g. furfural or benzaldehyde and glycerol or ethanol formamide.

Pat. 2,399,456. Plasticized Polyvinyl Compositions. Apr. 30, 1946. Polyvinyl alcohol compositions are plasticized by means of solid polymers of formaldehyde, e. g. paraform and trioxane.

Pat. 2,403,215. Resinous Compositions and Electrical Conductors Insulated Therewith. July 2, 1946. Electrical insulating compositions comprising plasticized vinyl chloride-fumaric ester copolymers containing 1–10% of calcium hydroxide or other alkaline earth metal compound.

Pat. 2,404,780. Process for the Conjoint Polymerization of Vinyl Chloride with Fumaric Esters. July 30, 1946. Polymerization of a vinyl halide in admixture with fumaric esters in an aqueous medium in the presence of a persulfate and a dispersing agent comprising an acyclic hydrocarbon of 12–18 carbon atoms with only one N-free anionic solubilizing agent.

Pat. 2,404,781. Vinyl Polymers. July 30, 1946. Interpolymerization of a vinyl halide with an alpha, beta-unsaturated acid ester in an aqueous medium, in the presence of a persulfate and a dispersing agent, comprising an acyclic hydrocarbon 12–18 carbon atoms substituted with only one N-free anionic solubilizing group.

Pat. 2,404,791. Vinyl Polymers. July 30, 1946. Emulsion polymerization of vinyl halides admixed with at least one compound containing one ethylenic bond capable of vinyl polymerization in aqueous medium containing a perdisulfate and a dispersing agent.

Pat. 2,408,402. Trichloroethylene Copolymers. Oct. 1, 1946. Interpolymers of trichloroethylene with organic compounds having ethylenic unsaturation conjugated with a multiple bond between C and C, O, or N, e. g. acrylic and methacrylic esters, styrene, vinyl ketones, butadiene, etc.

Pat. 2,408,608. Chlorinated Resins. Oct. 1, 1946. Chlorination of vinylidene chloride-vinyl chloride copolymers.

Pat. 2,408,609. Resins of High Chlorine Content. Oct. 1, 1946. Production of chlorinated resins by reacting a vinyl chloridetrichloroethylene copolymer with chlorine.

Pat. 2,416,874. Treatment of Interpolymers of Vinyl Chloride and Esters of Ethylenedicarboxylic Acids. Mar. 4, 1947. Improved interpolymers of vinyl chloride with an ester of an ethylene dicarboxylic acid by heating with sulfur, a rubber vulcanization accelerator and a Group II metal oxide at not less than 100° C. for at least 15 minutes.

Pat. 2,432,296. Stabilized Chlorine Containing Polymers. Dec. 9, 1947. Chlorine-containing polymers stabilized with mercaptoalcohols.

Patents Relating to Miscellaneous

Pat. 1,911,722. Polymerization of Furylethylene. May 30, 1933. Polymerizing furylethylene, in presence of a polymerization catalyst, to the toluene-soluble stage; also polymerizing in presence of a drying or semi-drying oil.

Pat. 1,912,373. Method for Producing Carbon Black. June 6, 1933. Dissociation of hydrocarbon oil by submerged electric arc, while maintaining 5–15% of carbon black dispersed in the oil.

Pat. 1,914,870. Method of Hydrogenation. June 20, 1933. Organic compounds are hydrogenated under pressure using I_2 or HI as catalyst in the presence of H_2O.

Pat. 1,931,800. Apparatus for Effecting Dissociation of Other Reaction of Organic Liquids. Oct. 24, 1933. Apparatus for effecting a plurality of submerged electric arcs in oil, featuring adjustable, rotating electrodes.

Pat. 1,937,650. Metal Refining. Dec. 5, 1933. Copper calcium alloys are freed of calcium by passing N_2, NH_3 or H_2 thru molten alloy.

Pat. 1,937,728. Catalyst. Dec. 5, 1933. A copper catalyst for hydrogenation or for production of CH_3OH ex H_2 and CO is made by reducing cuprammonium hydroxide.

Pat. 1,941,009. Apparatus for Electrothermal Dissociation of Organic Liquids. Dec. 26, 1933. An arc-in-oil apparatus having stationary and moving electrodes.

Pat. 1,946,918. Hydrogenation of CO to Methyl Formate and Methanol in Liquid Phase with Alcoholate Catalysts. Feb. 13, 1934. Carbon monoxide is hydrogenated under pressure in an alcohol medium containing a mixture of alkali and alkaline earth alcoholates (Na and Ca methylates) and a soluble iodide to produce methanol and methyl formate.

Pat. 1,958,012. Process for the Manufacture of Alkali Metal Hydride. May 8, 1934. Alkali metal in an inert distributing liquid is hydrogenated at 230–400° C. at or above atmospheric pressure. NaH of 100% purity is obtained.

Pat. 1,965,925. Method of Electrothermal Dissociation of Organic Liquids. July 10, 1934. Process utilizing electric arc submerged in an organic liquid between a stationary annular electrode and a rotating electrode.

Pat. 1,975,697. Plasticizing Esters. Oct. 2, 1934. A composition comprising a cellulose derivative, a solvent and a fluorene or indene carboxylic ester as a conditioner or plasticizer.

Pat. 2,004,350. Condensation of Alcohols. June 11, 1935. Higher alcohols are produced from lower alcohols by heating under pressure at 150° C. or above in presence of a hydrogenation catalyst (Cu catalyst) and a condensation catalyst (KOH or K_2CO_3, etc.). Butanol produced ex ethanol.

Pat. 2,021,567. Catalyst and Process of Hydrogenating Organic Compounds. Nov. 19, 1935. Sodium and an aromatic hydrocarbon are heated together under pressure to form sodium hydrocarbide—a derivative of the hydrocarbon polymer. The product is used as catalyst for hydrogenating aromatic hydrocarbons.

Pat. 2,027,732. Electrode for Use in Electrothermal Processes for the Production of Carbon Black. Jan. 14, 1936. An electrode for arc-in-oil operations, composed of rubber-dispersible carbon black.

Pat. 2,035,314. Synthetic Resin. Mar. 24, 1936. Resins produced by heating a polycarboxylic acid with an alkyl disubstituted ethylene glycol, the alkyl groups of which contain at least 9 C atoms.

Pat. 2,054,084. Production of Carbon Black by the Thermal Dissociation of Organic Materials. Sept. 15, 1936. Thermal dissociation of solutions of organic materials to produce carbon black.

Pat. 2,071,417. Treatment of Calcium Magnesium Chloride. Feb. 23, 1937. Method for grinding deliquescent materials.

Pat. 2,077,073. Recovery of Metals from Their Ores. Apr. 13, 1937. Tungstic acid is recovered from tungsten ores by (1) refluxing with sulfur chlorides, (2) hydrolyzing with water, (3) extraction with ammonia, (4) calcining to convert ammonium tungstate to tungstic acid.

Pat. 2,079,557. Apparatus for Producing Carbon Black. May 4, 1937. A carbon black plant including in combination an arc-in-oil device and means for separating and drying carbon black.

Pat. 2,079,613. Hydroxycycloalkylammonium Salts. May 11, 1937. Reaction of organic acids with hydroxy hydroaromatic amines.

Pat. 2,083,870. Preparation of Sodium Hydrosulphite. June 15, 1937. Sodium hydrosulphite prepared by the reaction of SO_2 or alkyl sodium sulfite with organic sodium addition compounds.

Pat. 2,090,593. Process for the Preparation of Urea Derivatives. Aug. 17, 1937. Reactions of sodium urea with acyl halides.

Pat. 2,090,594. Acyl Urea and Process for the Preparation Thereof. Aug. 17, 1937. Reactions of sodium urea with esters.

Pat. 2,090,595. Process of Preparing Amido Derivatives. Aug. 17, 1937. Reaction of sodium derivatives of amines and amides (e. g. formamide, acetamide urea, phenyl hydrazine) with fatty oils, e. g. cocoanut, linseed, china wood, etc.

Pat. 2,090,596. Nitrogenous Compounds. Aug. 17, 1937. Reaction of sodium derivatives of amides (e. g. formamide, urea) with esters of an alpha-methylene carboxylic acid, e. g. methyl alpha-methacrylate.

Pat. 2,091,180. Process for Treating Paper Products. Aug. 24, 1937. Paper is impregnated with mixtures of dihydronaphthalene resin and paraffin.

Pat. 2,101,587. Insecticidal Product and Process. Dec. 7, 1937. Cyclohexene oxide as an insecticide.

Pat. 2,105,665. Chromium Sulphomolybdate Catalyst. Jan. 18, 1938. Chromium sulphomolybdate catalyst and process of preparing it.

Pat. 2,106,180. Process of Preparing Tertiary Ethynyl Carbinols and Product Produced Thereby. Jan. 25, 1938. A process for preparing tertiary ethynyl carbinols by reacting alkali metal acetylides with ketones in liquid ammonia.

Pat. 2,106,181. Ethynyl Carbinols and Process of Preparing the Same. Jan. 25, 1938. A process for preparing primary and secondary ethynyl carbinols by reacting alkali metal acetylides with aldehydes in liquid ammonia.

Pat. 2,106,182. Process of Reacting Alkali Metal Acetylides with Alkylene Oxides and Products Thereby Produced. Jan. 25, 1938. Ethynyl carbinols prepared by reacting alkylene oxides with sodium acetylide in liquid ammonia.

Pat. 2,119,507. Resin Composition. May 31, 1938. Resinous compositions containing dihydronaphthalene polymer and resinous rubber compositions, e. g. "Pliolite".

Pat. 2,122,719. Ethynylhydroxycarboxylic Acids, Dactones Thereof and Process of Preparing Them. July 5, 1938. Ethynyl lactones made by reacting keto acids with sodium acetylide in liquid ammonia.

Pat. 2,125,376. Waterproofing Process. Aug. 2, 1938. Acyloins of fatty acids as waterproofing agents for soluble materials, e. g. granular salts, etc.

Pat. 2,125,384. Preparation of Ethynyl Carbinols. Aug. 2, 1938. Sodium acetylide or a sodium derivative of an acetylenic hydrocarbon is reacted in liquid ammonia at below −33° C. for 5–50 hours. The sodium alcoholate in reaction mixture is reacted with an ammonium salt to liberate the ethynyl carbinol before the NH_3 is evaporated.

Pat. 2,125,386. Coating Alkaline Surfaces. Aug. 2, 1938. Abietyl alcohol is used as a coating or impregnating agent for alkaline materials such as marble and concrete.

Pat. 2,130,501. Reduction of Cyclic Ethers. Sept. 20, 1938. Preparation of tetrahydrofurfurane compounds by hydrogenation of succinyl compounds.

Pat. 2,130,805. Sterilizing Agent. Sept. 20, 1938. 1,3-Dichlor-5,5-dimethylhydantoin as a sterilizing agent for water, milk, etc.

Pat. 2,143,021. Reaction of Alpha-Halogenated Ethers with Olefines in the Presence of Titanium Halide Catalysts. Jan. 10, 1939. Process comprising reacting an olefine containing ethylenic unsaturation only with a brominated or chlorinated ether in the presence of titanium tetrachloride or tetrabromide.

Pat. 2,145,097. Condensation of Alcohols. Jan. 24, 1939. Esters are produced by heating alcohols under pressure in the presence of dehydrogenating catalysts, e. g. reduced Cu, Ni.

Pat. 2,148,355. Method for Producing Carbon Black. Feb. 21, 1939. A flash evaporation method for recovering carbon black from black-oil mixtures.

Pat. 2,148,356. Method for Producing Carbon Black. Feb. 21, 1939. A two-stage evaporation process for recovering carbon black from black-oil mixtures.

Pat. 2,150,947. Washing Apparatus. Mar. 21, 1939. A rotary, three-level washer for the washing of coal, middlings and slate, after separation by means of a gravity liquid, to recover the gravity liquid.

Pat. 2,152,532. Bleaching with Organic Bleaching Agent. Mar. 28, 1939. Tertiary butyl hypochlorite as a bleaching agent.

Pat. 2,155,728. Vapor Phase Bleaching. Apr. 25, 1939. Bleaching by means of tertiary butyl hypochlorite vapor.

Pat. 2,162,676. Preparation of Acetylene Glycols. June 13, 1939. Acetylene glycols ex sodium acetylide and carbonyl compounds.

Pat. 2,167,976. Electric Arc Apparatus for Producing Chemical Reactions. Aug. 1, 1939. Submerged arc pyrolysis of liquid hydrocarbons, with supply of constant current to arc.

Pat. 2,172,803. Polycarboxylic Acid Esters. Sept. 12, 1939. Esters of alpha-ketols prepared by reacting saturated polycarboxylic acids with alkynyl carbinols in presence of Hg salts of carboxylic acids.

Pat. 2,176,107. Separation of Materials. Oct. 17, 1939. Method and apparatus for the hydraulic separation of materials, particularly for washing and classifying coal. The hydraulic classifier is of the upward current type.

Pat. 2,176,632. Lubricating Composition and Method of Making Same. Oct. 17, 1939. Mixtures of lubricating oil and sulfurized dihydronaphthalene dimer.

Pat. 2,176,633. Lubricating Composition and Method of Making Same. Oct. 17, 1939. Mixtures of lubricating oil and sulfurized dihydronaphthalene.

Pat. 2,177,407. Alcoholysis of Glycerides Oct. 24, 1939. Fatty acid glycerides are converted to esters of monohydric alcohols by a non-catalytic alcoholysis reaction carried out with excess alcohol at 175–300° C. under pressure. Saturated esters may be produced by carrying out alcoholysis and hydrogenation of unsaturated glycerides (in presence of Ni catalyst) with excess alcohol under H_2 pressure.

Pat. 2,181,759. Apparatus for Producing Carbon Black. Nov. 28, 1939. In the submerged electric arc method for producing carbon black from liquid hydrocarbons, the arcing zone is surrounded by a baffle to confine gaseous decomposition products. The method results in an increased production of carbon black.

Pat. 2,182,242. Process for Hydrogenating Aromatic Hydrocarbons. Dec. 5, 1939. Reduction of monocyclic aromatic hydrocarbons with sodium in liquid ammonia.

Pat. 2,191,012. Electrothermal Pyrolysis of Carbon-Bearing Liquids. Feb. 20, 1940. Method and apparatus for production of carbon black by submerged arc. The rotating electrode is rotated in synchronism with the arc current so that it is out of arcing relationship with a half-ring electrode during a substantial part of each cycle.

Pat. 2,194,294. Preparation of N-Substituted Alkylol Amines. Mar. 19, 1940. N-alkanolamines, particularly dimethyl ethanolamine, are prepared by condensation of ethanolamine with CH_2O and hydrogenating the resulting product.

Pat. 2,197,258. Preparation of Acrolein. Apr. 16, 1940. Production of acrolein by the reaction of propylene with mercuric sulfate and water in the presence of less than 15% of sulfuric acid.

Pat. 2,198,172. Monocarboxylic Acid Esters. Apr. 23, 1940. Esters of alpha-ketols prepared by reacting monocarboxylic acids with alkynyl carbinols in presence of Hg salts of carboxylic acids.

Pat. 2,202,994. Chemical Process. June 4, 1940. Sodium is reacted with liquid ammonia in the presence of a catalyst comprising Na_2O and a hydrated salt of Fe, Ni or Co to form sodamide.

Pat. 2,212,146. Preparation of Alpha-Alkylenimines, e. g. ethylenimine. Aug. 20, 1940. Preparation of alpha-alkyleneimines from a beta-chloroalkylamine hydrochloride and caustic.

Pat. 2,230,199. Glass Manufacture. Jan. 28, 1941. Sodium monoxide as glass ingredient for making ruby and opal glasses.

Pat. 2,270,386. Aliphatic Hydrocarbon Ammonium Chromate. Jan. 20, 1942. Long-chain alkyl-ammonium acid chromates.

Pat. 2,274,058. Long-Chain Alkyl Ammonium Metallonitriles and Process for Their Manufacture. Feb. 24, 1942. Long-chain alkyl-ammonium metallonitriles.

Pat. 2,284,241. Corrosion Inhibition. May 26, 1942. A ferrous metal having its surface coated with a thin film consisting of an aliphatic acid ester polycarboxylic acid in which the aliphatic radical is a member of the group consisting of an acyclic aliphatic cyclohexylnaphthenyl radical and contains at least 6 carbon atoms, said ester consisting of the elements: carbon, hydrogen and oxygen.

Pat. 2,293,580. Process for the Treatment of Iron-Containing Surfaces and Product Thereof. Aug. 18, 1942. Protection of iron-containing surfaces against corrosion by coating with a mixture of cocoanut oil acids.

Pat. 2,294,077. Manufacture of Optical Glass. Aug. 25, 1942. Use of sodium monoxide in making striae-free optical glass.

Pat. 2,295,760. Process for Separating Aldehydes and Ketones. Sept. 15, 1942. Separation and isolation of aldehydes and ketones by reaction with an acyclic alkyl thiol in the presence of a substance, which in a polar solution gives an acidic reaction, so as to obtain the corresponding mercaptals and mercaptols and separating the desired mercaptals from the mercaptols.

Pat. 2,297,929. Increasing the Ink Receptivity of Metallic Surfaces. Oct. 6, 1942. A process for increasing the oleaginous ink receptivity of selected areas of a lithographic print which receive and retain the lithographic ink for comprising treating said areas with a composition of which the non-volatile portion is essentially completely a long chain aliphatic salt forming compound.

Pat. 2,307,643. Process for the Production of a Cyano-Imino Compound. Jan. 5, 1943. Production of cyano-imino compounds by reacting an alkali metal addition compound of a polycyclic aromatic hydrocarbon with an organic nitrile having at least one hydrogen atom on a carbon atom alpha to the nitrile group.

Pat. 2,323,226. Preparation of 2-Chlorobutene-2. June 29, 1943. Vapor phase preparation of 2-chlorobutene-2 ex 2,3-dichlorobutane in presence of $BaCl_2$.

Pat. 2,323,227. Preparation of 2,2,3-Trichlorobutane. June 29, 1943. Preparation of 2,2,3-trichlorobutane by chlorination of 2-chlorobutene-2.

Pat. 2,327,080. Polymerization of Conjugated Dienes. Aug. 17, 1943. Polymerization of diolefines, e. g. butadiene and styrene, in the presence of sodium in a special ether solvent which promotes the reaction. Ethers such as dimethyl ether and ethylene glycol dimethyl ether are suitable, the latter being preferred. Butadiene gives drying oils.

Pat. 2,333,206. Protection of Ferrous Metals Against Corrosion. Nov. 2, 1943. Protection from atmospheric corrosion of metallic surfaces by treatment with an acyclic aliphatic monoamine having an aliphatic group of a chain length of at least 8 carbon atoms.

Pat. 2,334,192. Preparation of Alpha-Cyanobutadiene. Nov. 16, 1943. Production of alpha-cyanobutadiene by dehydration of tetrahydrofuramide or its equivalent.

Pat. 2,334,683. Separation of Materials. Nov. 16, 1943. Apparatus and method for separating minerals (e. g. coal) utilizing both ordinary hydraulic classification and hindered settling. In general, this invention utilizes the features of U. S. P. 2,176,107 with certain improvements.

Pat. 2,342,102. Metal Refining Process. Feb. 22, 1944. Phosphorus is removed from iron or other metal by treatment of the molten metal within an oxide of an alkali metal, preferably sodium monoxide.

Pat. 2,343,107. Preparation of Butadiene. Feb. 29, 1944. Vapor phase preparation of butadiene ex dichlorobutanes in absence of catalysts.

Pat. 2,343,108. Production of Butadiene. Feb. 29, 1944. Production of butadiene by reacting butylene with Br_2 to produce dibrombutane, pyrolyzing the latter to butadiene and HBr, converting the HBr to Br_2 (Deacon's process) and using the Br_2 formed to produce more dibrombutane.

Pat. 2,347,410. Pyridine Carboxylic Acids. Apr. 25, 1944. Nicotine acid is produced from copper quinolinate utilizing ammonia as solvent for the latter before precipitation of copper oxide. In the final stage the crude quinolinic acid is dicarboxylated by treatment with hot acetic acid to produce nicotinic acid. Other heavy metal salts may be similarly treated.

Pat. 2,347,446. Preparation of Reducing Agents. Apr. 25, 1944. Formamidine sulfinic acid by reacting H_2O_2 with a mixture of NH_4CNS and thiourea under controlled temperature.

Pat. 2,353,026. Metal-Cleaning Process and Composition. July 4, 1944. Metal articles, particularly cast iron and other ferrous metals are cleaned by contact with a fused caustic bath containing sodamide. The bath may also contain sodium hydride.

Pat. 2,355,970. Process of Acylation. Aug. 15, 1944. Acylation of methyl lactate with vinyl esters using a tertiary amine catalyst.

Pat. 2,355,971. Process for Acylation. Aug. 15, 1944. Acylation of methyl lactate with a vinyl ester using alkali metal cyanides, silicates, carbonates, or tetraborates, as catalysts.

Pat. 2,356,542. Process of Rendering Massive Inorganic Bodies Hydrophobic. Aug. 22, 1944. Siliceous construction materials are rendered water-resistant by treatment with an aliphatic amine containing at least 8 carbon atoms in an alkyl group, and salts thereof.

Pat. 2,360,950. Welding Plastic Material and Device Therefor. Oct. 24, 1944. A heat-conductive tool for welding thermoplastic organic materials such as "Saran".

Pat. 2,370,394. Chlorinated Phenylene Diacetic Acids. Feb. 27, 1945. Nuclear chlorinated p-phenylene diacetic acids containing up to three chlorine atoms by reacting nuclear chlorinated p-xylylene dichlorides with alkali metal cyanide and hydrolyzing the dicyanide.

Pat. 2,372,709. Preparation of Benzoin. Apr. 3, 1945. A continuous process for producing benzoin ex benzaldehyde utilizing a methanol-water mixture as solvent and sodium cyanide as the condensing agent.

Pat. 2,373,870. Organic Nitrogen-Containing Compounds and Processes for Their Production. Apr. 17, 1945. Di-sodium N-(beta-hydroxyethyl)-imino-bis-(methane sulfonate).

Pat. 2,377,749. Preparation of Benzil. June 5, 1945. In the oxidation of benzoin to benzil using as aqueous copper sulfate-pyridine solution, air is passed through the reaction mixture to maintain the activity of the catalyst.

Pat. 2,387,495. Products and Process Therefor. Oct. 23, 1945. Production of acetals by reacting acetylene with a monohydric alcohol ester of hydroxy acetic acid under anhydrous conditions using a mercury catalyst.

Pat. 2,392,505. Monochlorohydantoins and Salts Thereof. Jan. 8, 1946. Production of metal salts of N-monochloro-5,5-disubstituted hydantoins by reacting a soluble metal compound with a solution of an N-monochlorohydantoin or solution of an alkali metal salt of an N-monochloro-5,5-dialkyl hydantoin; production of N-monochlorohydantoins by chlorination of 5,5-disubstituted hydantoins.

Pat. 2,394,776. Modified Polymeric Polyhydric Alcohols. Feb. 12, 1946. Ethers of polymeric polyhydric alcohols and 3-hydroxy-thiolane-1,1-dioxide.

Pat. 2,398,598. 1,3-Dichloro-5-Methyl-5-Isobutyl Hydantoin and Method of Preparation. Apr. 16, 1946. 1,3-dichloro-5-methyl-5-isobutyl hydantoin and production by reacting chlorine with 5-methyl-5-isobutyl hydantoin.

Pat. 2,398,599. Chlorinated Hydantoins. Apr. 16, 1946. Production of 3,3-dichloro-1,1′-methylene-bis-(5-methyl-5-ethyl hydantoin) and 3,3-dichloro-1,1′-methylene-bis-(5-methyl-5-isobutyl hydantoin) by chlorinating the corresponding hydantoin in aqueous alkaline medium.

Pat. 2,401,099. Reaction of 1,3-Dienes with Polyhalogenated Alkanes and Products Thereof. May 28, 1946. Low molecular weight reaction products of 1,3-dienes or 2,5-dihydrothiophene-1-dioxides with polyhalogenated alkanes by reaction in the presence of a polyhydroxy benzene, a peroxygen compound, and iron; e. g. 2,5-dihydrothiophene-1-dioxide with carbon tetrachloride in the presence of pyrogallol, benzoyl peroxide, and iron.

Pat. 2,408,623. Coating Ferrous Metals with Molten Aluminum. Oct. 1, 1946. Iron or steel is coated with aluminum by dipping the clean metal wet with water into molten aluminum.

Pat. 2,411,396. Reaction Products of Formaldehyde and Sodium Cyanamide. Nov. 19, 1946. Reaction product of sodium cyanamide and formaldehyde and process for its production.

Pat. 2,411,397. Production of Sodium Cyanamide-Formaldehyde Condensation Product. Nov. 19, 1946. Production of a sodium cyanamide-formaldehyde condensation product by reacting at pH of 10.5 and temperature below 45° C. approximately equimolecular amounts of monosodium cyanamide and formaldehyde and precipitating the product by addition of strong acid.

Pat. 2,416,624. Stabilization of Cyanhydrins. Feb. 25, 1947. Cyanhydrins are stabilized against decomposition during distillation by the addition of iodine.

Pat. 2,422,528. Rinse Compositions. June 17, 1947. Tetrachlorosuccinonitrile, a new compound, and its production by reacting succinonitrile with chlorine in the vapor phase at 200–550° C. or reacting the above in the liquid phase to produce chloromaleo- or chlorofumaronitrile and chlorinating these in vapor phase.

Pat. 2,424,664. N-Beta-Cyanoethylalkane-Sulfonamides. July 29, 1947. N-beta-cyanoethylalkanemonosulfonamides and preparation from acrylonitrile and appropriate sulfonamides.

Pat. 2,425,677. Fungicidal Compositions. Aug. 12, 1947. Fungicidal mixture containing 50–85% by weight of paraformaldehyde and symmetrical trichloroaniline.

Pat. 2,425,678. Fungicidal Compositions. Aug. 12, 1947. Fungicide comprising 50–85% paraformaldehyde and the remainder 1,2- or 1,4-dihydronaphthalene.

Pat. 2,429,391. Bis(Carboxy Methyl Propyl) Sulfide. Oct. 21, 1947. Bis(carboxy methyl propyl) sulfide.

Pat. 2,429,392. Bis(Amino Methyl Propyl) Sulfide. Oct. 21, 1947. Bis(amino methyl propyl) sulfide.

Pat. 2,429,452. Bis(Cyano Methyl Propyl) Sulfide. Oct. 21, 1947. Bis(methyl propyl) sulfide compound.

Pat. 2,429,859. Sulfur-Formaldehyde Resins. Oct. 28, 1947. Sodium polysulfide is reacted with formaldehyde or alpha polyoxymethylene to form pliable resins of rubber-like resiliency.

Pat. 2,430,233. Halogen Yielding Compositions. Nov. 4, 1947. Production of N-monohalohydantoins by reacting unhalogenated hydantoins with N,N′-dihalohydantoins.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING OCTOBER, 1948

EX PARTE JOHN F. JELKE COMPANY, Serial No. 486,782.

In a decision rendered October 1, 1948 (171 Ms. Dec. 17, 79 USPQ 85), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to John F. Jelke Company, of Chicago, Ill., the word "SPOTLESS" as a trade-mark for oleomargarine under the act of 1905.

After noting that registration was refused in view of prior registration No. 97,046 (renewed), which discloses the word "SPOTLESS" together with certain design features as a trade-mark for wheat flour, in response to applicant's argument that oleomargarine and wheat flour are clearly distinct products, it was held that it is not open to argument that they possess the same descriptive properties.

After noting that applicant's mark was heretofore registered and that such registration was inadvertently permitted to expire, it was held that the fact of such prior registration is entitled to consideration, but where, as here, the marks in their essential nature are the same and the goods are clearly of the same descriptive properties, it cannot entitle applicant to registration in view of the specific provisions of section 5 of the Trade-Mark Act of 1905.

After noting that the mark has also been refused on the ground that it is descriptive, it was held that in view of the foregoing, this need not be considered.

EX PARTE JOHN F. JELKE COMPANY, Serial No. 486,783.

In a decision rendered October 1, 1948 (171 Ms. Dec. 19, 79 USPQ 85), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to John F. Jelke Company, of Chicago, Ill., the word "TRYME" as a trade-mark for oleomargarine under the act of 1905.

After noting that the refusal is based upon the existence of three prior registrations: No. 105,963, disclosing the mark "Try Me" for self rising wheat flour; No. 101,969, disclosing the mark "TRY ME" for catsup, jells, jams, apple butter, syrup for table use, mustard, pickles, pickle relish, and olives; and No. 217,117 (renewed), disclosing the mark "TRY-ME" for food flavoring extracts; it was held that the comments in the decision with respect to application Serial No. 486,782, supra, apply to this case and need not be repeated.

EX PARTE JOHN F. JELKE COMPANY, Serial No. 486,790.

In a decision rendered October 1, 1948 (171 Ms. Dec. 18, 79 USPQ 84), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to John F. Jelke Company, of Chicago, Ill., the word "BAKO" as a trade-mark for oleomargarine under the act of 1905.

After noting that registration has been refused in view of certain prior registrations, of which only registration No. 51,010 (renewed), disclosing the trade-mark "BA-KO" for shortening for pastry, need now be considered, it was held that the marks being identical, the only question for consideration is whether or not the goods are similar within the meaning of section 5 of the Trade-Mark Act of 1905.

It was held that it cannot be questioned but that the goods have the same descriptive properties.

THE BORDEN COMPANY V. VITAMINS & PHARMACEUTICALS, INC. (PHARMACEUTICAL ORGANICS, INC., ASSIGNEE, SUBSTITUTED), Opposition No. 25,401.

In a decision rendered October 1, 1948 (171 Ms. Dec. 15, 79 USPQ 86), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences dismissing the notice of opposition of The Borden Company, of New York, N. Y., to the application of Vitamins & Pharmaceuticals, Inc. (Pharmaceutical Organics, Inc., assignee, substituted), of Dover, Del., to register, under the Trade-Mark Act of 1905, the word "GERIATRONE" as a trade-mark for a preparation containing various vitamins, minerals and amino acids, as a dietary supplement and for the correction of nutritional deficiencies. Opposer relied upon ownership and prior use of the trade-mark "GERILAC" as a trade-mark for certain food products for special dietary uses, and ownership of registration No. 417,947 of that mark for powdered modified milk for special dietary uses, containing certain named spray-dried substances.

It was held that the fact that opposer's product is classified in the Patent Office for registration purposes in Class 46, Foods and ingredients of foods, while applicant's product is classified for registration purposes in Class 6, Chemicals, medicines, and pharmaceutical preparations, is not controlling on the question of likelihood of confusion.

It was held that while it is true that there are specific differences between these products, and that applicant's product may be used as food or in con-

nection with cooking and baking, nevertheless, both are essentially dietary supplements intended for use in connection with nutritional deficiency, and must therefore be regarded as having broadly the same descriptive properties.

It was held that considering the marks in their entireties, they differ in sound and appearance to such an extent that it is doubtful that there is reasonable likelihood of any confusion between them, so that the Examiner of Interferences was right in ruling that the marks when viewed as a whole must be considered sufficiently different in sound, appearance, and significance, that, at least when taken in connection with the specific differences between the products to which they are applied, there is little likelihood of confusion in trade or deception of purchasers.

BOTANY WORSTED MILLS (BY CHANGE OF NAME, BOTANY MILLS, INC.) *v.* VERNEY FABRICS CORPORATION, Opposition No. 25,736.

In a decision rendered October 5, 1948 (171 Ms. Dec. 21, 79 USPQ 87), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences dismissing the opposition of Botany Worsted Mills (by change of name, Botany Mills, Inc.), of Passaic, N. J., to the application of Verney Fabrics Corporation, of New York, N. Y., to register, under the act of February 20, 1905, the notation "CH'INTANG" as a trade-mark for piece goods of synthetic and natural fibres, namely, rayon, cotton, wool, silk and mixtures thereof. Opposer relied upon likelihood of confusion between that mark and opposer's trade-mark "Chinka," registered, No. 348,695, for woolen piece goods.

It was held that the Examiner of Interferences was right in ruling that although the two marks contain a certain succession of letters in common, they differ substantially when viewed as a whole, so that there is practically no similarity between them in general appearance, and when pronounced in any normal manner to which they seem to be susceptible, they appear to be readily distinguishable in sound.

EX PARTE JOSEPH BANCROFT & SONS CO., Serial No. 475,599.

In a decision rendered October 7, 1948 (171 Ms. Dec. 24, 79 USPQ 88), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to Joseph Bancroft & Sons Co., of Wilmington, Del., under the Trade-Mark Act of 1905, the notation "BAN-RINKLE" as a trade-mark for piece goods of cotton, of rayon, and of wool, and of various mixtures thereof.

After noting that "Rinkle" is a phonetic misspelling of "wrinkle," it was held that the words here sought to be registered when applied to the goods of the applicant are aptly descriptive thereof, and as applied to such goods would have no other meaning to the public, so that they are merely descriptive and therefore not entitled to registration.

EX PARTE JOSEPH BANCROFT & SONS CO., Serial No. 475,600.

In a decision rendered October 7, 1948 (171 Ms. Dec. 23, 79 USPQ 89), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to Joseph Bancroft & Sons Co., of Wilmington, Del., under the Trade-Mark Act of 1905, the notation "BAN-CREASE" as a trade-mark for piece goods of cotton, of rayon, and of wool, and of various mixtures thereof.

After noting that the Examiner's statement and the brief filed by applicant are identical with those filed in the appeal from the refusal to register the word "BAN-RINKLE," application Serial No. 475,599, supra, it was held that the issues presented are identical and are controlled by that decision.

K & S CORSET MANUFACTURING CO., INC., *v.* ROSE HANSKAT, Cancellation No. 5112.

In a decision rendered October 8, 1948 (171 Ms. Dec. 25, 79 USPQ 89), *Assistant Commissioner Daniels* denied a petition, pursuant to rule 27 of the Rules of Practice in Trade-Mark Cases, by respondent, Rose Hanskat, of Pass-a-Grille Beach, Fla., in the cancellation proceeding instituted on the petition of K & S Corset Manufacturing Co., Inc., of New York, N. Y., requesting that supervisory authority be exercised by directing the Examiner of Trade-Mark Interferences to consider the merits of a motion to dismiss the cancellation proceeding, the motion before the Examiner having been made pursuant to Rule 41(b) of the Federal Rules of Civil Procedure after the petitioner for cancellation had completed the taking of its prima facie testimony.

It was held that, in view of rules 23.1 and 23.6 of the Rules of Practice in Trade-Mark Cases, the Examiner of Interferences was right in ruling that section 41(b) of the Federal Rules of Civil Procedure cannot be followed in this proceeding, because: (1) it is not applicable and appropriate; and (2) that it is "otherwise provided" by Patent Office rules.

It was held that if any doubt existed as to the correctness of the Examiner's ruling in this case, it would be disposed of by the amendment to Rule 41(b) adopted by the Supreme Court on December 27, 1946, and transmitted to the Attorney General on January 2, 1947, which amendment clearly indicates that there was no abuse of discretion by the Examiner in refusing to pass upon the merits of petitioner's motion at this time, and declining to render any judgment until the close of all the evidence.

EX PARTE JOSEPH BANCROFT & SONS CO., Serial No. 475,598.

In a decision rendered October 12, 1948 (171 Ms. Dec. 28, 79 USPQ 151), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to Joseph Bancroft & Sons Co., of Wilmington, Del., under the Trade-Mark Act of 1905, the notation "STAZE-SET" as a trade-mark for piece goods of cotton, of rayon, and of wool, and of various mixtures thereof.

After noting that registration was refused on the ground that "STAZE-SET" is a misspelling of the words "stays set" and clearly indicates a result obtained from the treatment of the material either before or during its fabrication, it was held that, as it is clear from the record presented that "set" is commonly used as describing the making and treating of textiles, that "STAZE-SET" is descriptive can hardly be argued, and that since the only meanings which the word may have are descriptive, they must therefore be regarded as "merely descriptive."

After noting that applicant places much emphasis on the fact that it is the owner of certain trade-marks which it regards as similar for similar goods, and that an opposition brought by it to prevent a similar registration on similar goods was sustained, it was held that a mark may be "merely descriptive" as applied to certain goods and arbitrary as to others, but whether or not such registrations were proper was not before the Assistant Commissioner for consideration, and even if they were wrongly registered, which he was not prepared to find, this would not permit or require registration of this mark.

ATLAS LEATHER CASE CO. (PLATT LUGGAGE, INC., ASSIGNEE, SUBSTITUTED) *v.* GLADSTONE CASE MFG. CO., INC., Interference No. 3669.

In a decision rendered October 19, 1948 (171 Ms. Dec. 30, 79 USPQ 184), *Assistant Commissioner Daniels* reversed the action of the Examiner of Trade-Mark Interferences, who, in an interference proceeding between Atlas Leather Case Co. (Platt Luggage, Inc., assignee, substituted), of Chicago, Ill., the junior party, and Gladstone Case Mfg. Co., Inc., of Chicago, Ill., the senior party, involving two applications for registration of the word "Pilot" as a trade-mark for luggage under the Trade-Mark Act of 1905, had awarded priority to the junior party, and adjudged that it is entitled to the registration for which it has made application, and further adjudged that the senior party is not entitled to the registration which it seeks.

It was held that since Atlas was not the first to "affix" the mark to its goods, it is not entitled to the registration for which it has made application.

In response to the contention of Atlas that even though it be held to be not entitled to registration, registration by Gladstone should also be refused, it was held that while the evidence as to the specific uses by Atlas is adequate, it cannot be accepted as sufficient to establish such extensive use or public recognition, prior to Gladstone's use of the mark, as to deprive Gladstone of a right to registration based upon its actual trade-mark use, so that Gladstone was the first to affix the mark here involved to the goods and to use it as a trade-mark for luggage and on the record here presented Gladstone's use was a technical trade-mark use which would entitle it to its registration, which is not negatived by prior non-trade-mark use by Atlas.

BROOKS BROTHERS *v.* B. BENNETT COMPANY, INC., ET AL., Trade-Mark Interference No. 3593.

In a decision rendered October 20, 1948 (171 Ms. Dec. 37, 79 USPQ 188), *Assistant Commissioner Daniels* reversed the action of the Examiner of Interferences in an interference between an application of Brooks Brothers, of New York, N. Y., and registration No. 364,217 of B. Bennett Company, Inc., of New Orleans, La., and others, thereby reversing the holding that Brooks Brothers, the junior party, is the prior user and is entitled to the registration for which it has made application under the Trade-Mark Act of 1905.

After noting that because of the insertion of pamphlets or booklets in the packages of Brooks Brothers, the Examiner has found that the mark was "affixed" to the goods within the meaning of section 29 of the Trade-Mark Act of 1905, it was held that while it cannot be questioned under said section that the inclusion of the trade-mark in the package may constitute a trade-mark use, nevertheless, the use must be such that it is obviously intended to associate the trade-mark directly with the goods and identify it as a trade-mark use, which is not the case in any of the exhibits here considered.

It was held that on the record presented Brooks Brothers has failed to sustain the burden of proof as to the use of the pamphlets referred to prior to January 12, 1923, and that even if so used during the period involved the mark was not used as a trade-mark or in such a manner that it can be considered to have been affixed to the goods within the meaning of the Trade-Mark Act of 1905.

FRANCES DENNEY *v.* ELIZABETH ARDEN SALES CORPORATION, Opposition No. 25,127.

In a decision rendered October 28, 1948 (171 Ms. Dec. 46, 79 USPQ —), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition of Frances Denney, of Philadelphia, Pa., to the application of Elizabeth Arden Sales Corporation, of New York, N. Y., to register, under the Trade-Mark Act of 1905, the notation "ARDENA PORINE CREAM" as a trade-mark for face and body creams, the word "CREAM" being disclaimed. Opposer relied upon the prior use of the word "PORETTE" as a trade-mark for face creams.

It was held that the fact that the notice of opposition alleges use since a date later than that actually proved does not weaken the clear and uncontradicted oral and documentary evidence, and is considered immaterial since both the date alleged and the earlier date proven antedate applicant's use by several years.

After noting that a sample of the actual product was submitted in evidence, as were labels and other material, it was held that it is clearly sold as a face cream, and accordingly is identical with the product for which applicant seeks registration.

After noting that prior use having been shown, it was not necessary that opposer establish any exclusive rights to the mark on which it relies, it was held that it requires no discussion that "PORINE" and "PORETTE" are confusingly similar as applied to identical goods within the meaning of the confusion-in-trade clause of the Trade-Mark Act of 1905.

In response to applicant's contention that the use of the word "ARDENA" with the word "PORINE" removes any possibility of confusion, since "ARDENA" in itself is a well recognized trademark, it was held that the addition of this term to the word "PORINE" is not, however, sufficient to distinguish between them.

COLGATE-PALMOLIVE-PEET COMPANY *v.* M. LEO HEIM, Opposition No. 25,887.

In a decision rendered October 28, 1948 (171 Ms. Dec. 43, 79 USPQ —), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition of Colgate-Palmolive-Peet Company, of Jersey City, N. J., to the application of M. Leo Heim, of Brooklyn, N. Y., for registration, under the Trade-Mark Act of 1905, of the word "HELOZ" as a trade-mark for soaps, soap powder, soap cakes, shaving cream, cleaning compositions for glass, porcelain, marble, walls, painted surfaces, linoleum, carpets, leather, and cloth, such as cotton, wool, silk, rayon, and compositions for polishing and waxing metals and leather. Opposer relied upon ownership and prior use of the trade-mark "HALO" for various soap products. Opposer's ownership and prior use of the mark, for the products mentioned, and its ownership of three registrations, each covering certain of those products, were established by a stipulation of facts.

It was held that the goods of the parties possess the same descriptive properties.

It was held that the Examiner was correct in finding that applicant has done little more than make a substantial appropriation of opposer's entire mark and added thereto the letter "z".

It was held that applicant's contention that it derived its mark from a combination of certain words would be accepted as indicating good faith on applicant's part if that were in issue, but is not a matter which would be apparent to the purchasing public or influence their judgment.

It was held that the Examiner of Interferences was right in concluding that the marks of the parties bear such near resemblance in appearance and sound that their concurrent use would be likely to cause confusion or mistake in the minds of the public or to deceive purchasers as to their origin.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 30, 1948

[VOL. 616. No. 5]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 515,087. CULLIGAN ZEOLITE COMPANY, Northbrook, Ill. Filed Dec. 31, 1946.

CULLSAN

FOR UNPROCESSED AND GRADED SILICA SAND FOR USE IN WATER FILTERING EQUIPMENT.
Claims use since Aug. 5, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 512,798. RICO LEATHER SPECIALTY INC., Chicago, Ill. Filed Nov. 18, 1946.

Rico

FOR WALLETS, POCKET SECRETARIES, KEY CASES, OVERNIGHT CASES AND BAGS, BRIEF CASES, PORTFOLIOS, AND BRIEF BAGS.
Claims use since March 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 522,019. JESSIE BERYL POOLE, doing business as Package Products, Toronto, Ontario, Canada. Filed May 7, 1947.

JETSPEED

FOR GENERAL PURPOSE CLEANSER FOR HOUSEHOLD AND INDUSTRIAL USE.
Claims use since Jan. 15, 1947.

Ser. No. 522,057. JESSIE BERYL POOLE, doing business as Package Products, Toronto, Ontario, Canada. Filed May 7, 1947.

JETSPEED

FOR GENERAL PURPOSE CLEANER FOR HOUSEHOLD AND INDUSTRIAL USE.
Claims use since Jan. 15, 1947.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 443,582. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, now by change of name Ciba Limited. Filed May 14, 1941.

CIBANTINE

FOR COAL TAR COLORS.
Claims use since Mar. 15, 1941.

Ser. No. 489,164. CONSTANCE BANNISTER, New York, N. Y. Filed Sept. 29, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Bannister

The name "Bannister" is a facsimile of applicant's signature.
FOR FACE AND BODY POWDER.
Claims use since Aug. 30, 1945.

Ser. No. 504,917. MEDICONE COMPANY, New York, N. Y. Filed July 1, 1946.

Theo Tabs
MEDICONE

Applicant claims no registration rights in the word "Tabs" apart from the mark.
FOR MEDICINAL PRODUCT FOR SYMPTOMATIC TREATMENT OF CARDIO-VASCULAR DISEASES AND HYPERTENSION.
Claims use since June 25, 1946.

Ser. No. 507,356. M. CALTHORPE & COMPANY LIMITED, Ossett, England. Filed June 7, 1946.

VIROTABS

FOR MEDICINAL TONIC IN TABLET FORM FOR USE AS A BLOOD ENRICHER, DIGESTIVE, AND AID TO HEALTHY CIRCULATION.
Claims use since Oct. 12, 1943.

Ser. No. 523,314. HALITOSINE COMPANY, St. Louis, Mo. Filed May 31, 1947.

HALITONE

FOR MOUTH WASH.
Claims use since Apr. 16, 1925.

Ser. No. 524,422. MURRAY ROCK, doing business as Murray Rock and Company, Dayton, Ohio. Filed June 18, 1947.

Color-Lur. by Joroc

The word "Color" is disclaimed apart from the entire mark as shown.
FOR HAIR COLORING SOLUTION.
Claims use since Mar. 13, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 519,898. ALBERT RIES, doing business as Royal Fastener Company, New York, N. Y. Filed Mar. 31, 1947.

ROYAL

FOR SLIDE FASTENERS, TO BE USED ON CLOTHING, LEATHERGOODS, HANDBAGS, AND LUGGAGE.
Claims use since Dec. 1, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 523,559. ALLEGHENY LUDLUM STEEL CORPORATION, Pittsburgh, Pa. Filed June 5, 1947.

DUNKIRK EZ

The word "Dunkirk" is disclaimed apart from the mark.
FOR GRAPHITE STEEL IN THE FORM OF INGOTS, BILLETS, BARS, ROD, WIRE, PLATES, SHEETS, AND STRIP.
Claims use since November 1945.

CLASS 15

OILS AND GREASES

Ser. No. 512,783. CHARLES J. ODDYKE, doing business as Ko-Lube Co., Lansing, Mich. Filed Nov. 18, 1946.

KO-LUBE

The word "Lube" is disclaimed apart from the mark.
FOR LUBRICATING OIL.
Claims use since Nov. 15, 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 493,710. AFFILIATED RETAILERS, INC., New York, N. Y. Filed Dec. 22, 1945.

ARTRON

FOR RADIO AND TELEVISION TUBES.
Claims use since Nov. 23, 1945.

Ser. No. 506,704. THE TELEOPTIC COMPANY, Racine, Wis. Filed Aug. 1, 1946.

KLEER KING

No registration rights to "Kleer," except in the association shown, are claimed.
FOR ELECTRIC CLEARANCE AND MARKER LIGHTS FOR MOTOR VEHICLES.
Claims use since July 9, 1946.

Ser. No. 508,889. GEORGE D. CHICHESTER, Pittsburgh, Pa. Filed Sept. 12, 1946.

SILENT—and SOUND

The word "Sound" is disclaimed apart from the mark.
FOR ELECTRICAL SOUND REPRODUCING LOUDSPEAKERS, MICROPHONES, AND EARPHONES.
Claims use since Apr. 23, 1946.

Ser. No. 517,946. AIRBORNE INSTRUMENTS LABORATORY, INC., Mineola, N. Y. Filed Feb. 24, 1947.

AIRBORNE INSTRUMENTS LABORATORY Inc. AIL

Applicant hereby disclaims the words "Airborne Instruments Laboratory, Inc." for purposes of this registration.
FOR RADIO RECEIVERS AND PARTS THEREFOR.
Claims use since Oct. 23, 1946.

Ser. No. 521,683. PEERLESS ELECTRICAL PRODUCTS COMPANY, Los Angeles, Calif. Filed May 1, 1947.

PEPCO

FOR RADIO RECEIVER COMPONENTS—NAMELY, TRANSFORMERS AND CHOKE COILS; AND BALLAST COMPONENTS—NAMELY, BALLAST COILS FOR GASEOUS ILLUMINATING TUBES.
Claims use since Apr. 1, 1936.

Ser. No. 522,002. THE CONTROL CORPORATION, Minneapolis, Minn. Filed May 7, 1947.

PEAK-TROL

The notation "Peak" is disclaimed apart from the mark as shown.
FOR LOAD CONTROLS FOR POWER LINES COMPRISING ELECTRONIC TRANSMITTERS FOR IMPRESSING SIGNALS ON THE LINES AND ELECTRONIC RECEIVERS RESPONSIVE TO SUCH SIGNALS AND SERVING TO CONTROL CERTAIN LOADS ON THE LINES.
Claims use since Feb. 10, 1947.

Ser. No. 523,699. PAUL E. ALLEN, Chicago, Ill. Filed June 6, 1947.

Cradle pal

FOR ELECTRICALLY HEATED BOTTLE WARMERS AND ELECTRIC NURSERY LAMPS.
Claims use since Apr. 30, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 525,122. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed June 28, 1947. Under section 5b of the act of 1905 as amended in 1920.

A. G. Spalding & Bros.

FOR FOOTBALLS, BASEBALL BATS, BASEBALL MASKS, BASEBALL MITTS AND GLOVES, BOXING GLOVES, STRIKING BAGS, BASKETBALLS, HANDBALLS, GOLF BALLS, GOLF CLUBS, BADMINTON AND TENNIS NETS, INDOOR BASEBALLS, SOCCER BALLS, GOLF BAGS, SQUASH RACKETS, TENNIS BALLS, TENNIS RACKETS, TENNIS COURT MARKERS AND POSTS, TENNIS RACKET PRESSES, TENNIS RACKET COVERS, MEDICINE BALLS, VOLLEY BALLS, SHUTTLECOCKS, AND BADMINTON RACKETS.
Claims use on footballs since 1898; on baseball bats, baseball masks, baseball mitts and gloves, boxing gloves, striking bags, basketballs, handballs, golf balls, golf clubs, athletic supporters, athletic wrist and angle supporters, nets, indoor baseballs, soccer balls, golf bags, squash rackets, uniforms, athletic shoes, and score books since 1901; on tennis balls, tennis rackets, tennis court markers and posts, tennis racket presses and tennis racket covers since 1902; and on medicine balls, volley balls, shuttlecocks, and badminton rackets since 1903.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 518,493. TRANSERVICE, INC., New York, N. Y. Filed Mar. 4, 1947.



EL MACHO

FOR MACHETES.
Claims use since Feb. 17, 1947.

Ser. No. 518,494. TRANSERVICE, INC., New York, N. Y. Filed Mar. 4, 1947.

EL MACHO

FOR MACHETES.
Claims use since Feb. 17, 1947.

Ser. No. 523,968. GERALD L. KUHL, doing business as Champall Mfg. Co., Chester, Minn. Filed June 11, 1947.

CHAMPALL

FOR LOADERS FOR LOADING MATERIAL INTO WAGONS OR TRUCKS, HITCHES, AND SNOW PLOWS.
Claims use since Apr. 1, 1947.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 518,743. APPLIANCE CORPORATION OF AMERICA, Milwaukee, Wis. Filed Mar. 10, 1947.

akka

FOR AUTOMATIC HOUSEHOLD LAUNDRY WASHING MACHINES.
Claims use since Oct. 15, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 501,908. HELLIGE, INC., Long Island City, N. Y. Filed May 11, 1946.

'Bio-PhotoCol'

"Bio-Photo" is disclaimed apart from the mark.
FOR PHOTOELECTRIC COLORIMETERS.
Claims use since Mar. 10, 1946.

Ser. No. 515,777. OPTRON LABORATORY, Dayton, Ohio. Filed Jan. 15, 1947.

OPTRON

FOR OPTICAL MEASURING INSTRUMENTS—NAMELY, INTERFERENCE VIEWERS.
Claims use since Apr. 30, 1943.

Ser. No. 524,164. TECHNICOLOR MOTION PICTURE CORPORATION, Hollywood, Calif. Filed June 13, 1947.

TEXNIKOΛOP

The mark is the Greek translation, in Greek characters, of applicant's trade-mark "Technicolor."
FOR DEVELOPED MOTION PICTURE FILM.
Claims use since Aug. 8, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 514,836. NIVIA WATCH MFG. CO., LTD., Bienne, Switzerland. Filed Dec. 26, 1946.

NIVIA

The word "Precision" is hereby disclaimed apart from the mark as shown.
FOR WATCHES AND WATCH MOVEMENTS.
Claims use since 1933.

Ser. No. 521,026. NORMAN M. MORRIS, INCORPORATED, New York, N. Y. Filed Apr. 19, 1947.

CALAMATIC

FOR WATCHES.
Claims use since Feb. 1, 1947.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 491,543. H. S. CHAFFEE COMPANY, Buffalo, N. Y. Filed Nov. 14, 1945.

GLASFREZE

FOR COOLING AND FREEZING COMPARTMENTS OR ROOMS AND PARTS THEREOF IN PREFABRICATED FORM FOR PERMANENT INSTALLATION AND DOORS FOR THE SAME.
Claims use since May 1945.

Ser. No. 500,018. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Apr. 11, 1946.

Woolaroc

FOR FROZEN FOOD CABINETS FOR BOTH DOMESTIC AND COMMERCIAL USE.
Claims use since Feb. 18, 1946.

Ser. No. 524,526. CONTINENTAL AIR FILTERS, INC., Louisville, Ky. Filed June 20, 1947.

CONTINENTAL

FOR SELF CLEANING AIR FILTER EMPLOYING AN OIL BATH AS A CLEANING MEDIA, AND FILTER CELLS THEREFOR, NOT COMPRISING A PART OF AN ENGINE OR MACHINE, BUT SOLD SEPARATELY THEREFROM.
Claims use since Apr. 15, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 519,983. JEAN OSKAR RYDSTROM, Glenview, Ill. Filed Apr. 1, 1947.

PEDALETTE

FOR PIANO PEDAL STOOLS PROVIDING OPERATING EXTENSIONS FOR THE PEDALS OF A PIANO, AND A FOOT REST, FOR CHILDREN.
Claims use since Jan. 27, 1947.

Ser. No. 523,904. MASSACHUSETTS MATTRESS COMPANY, Boston, Mass. Filed June 10, 1947.

King Arthur

FOR BEDDING CONSISTING OF MATTRESSES AND BOX SPRINGS.
Claims use since the early part of 1935.

Ser. No. 523,905. MASSACHUSETTS MATTRESS COMPANY, Boston, Mass. Filed June 10, 1947.

Lady Elaine

FOR BEDDING CONSISTING OF MATTRESSES AND BOX SPRINGS.
Claims use since on or about June 1935.

Ser. No. 523,907. MASSACHUSETTS MATTRESS COMPANY, Boston, Mass. Filed June 10, 1947.

Queen Guinevere

FOR BEDDING, CONSISTING OF MATTRESSES AND BOX SPRINGS.
Claims use since on or about June 1935.

Ser. No. 523,913. MASSACHUSETTS MATTRESS COMPANY, Boston, Mass. Filed June 10, 1947.

Sir Galahad

FOR BEDDING, CONSISTING OF MATTRESSES AND BOX SPRINGS.
Claims use since on or about June 1935.

Ser. No. 523,914. MASSACHUSETTS MATTRESS COMPANY, Boston, Mass. Filed June 10, 1947.

Sir Lancelot

FOR BEDDING, CONSISTING OF MATTRESSES AND BOX SPRINGS.
Claims use since on or about June 1935.

Sér. No. 525,517. THE ADAMS & WESTLAKE COMPANY, Chicago, Ill. Filed July 2, 1947.

ADLAKE

FOR WINDOW BLINDS, WINDOW SHADES, AND WINDOW SHADE ROLLERS.
Claims use since September 1895.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 510,885. BEN ELLISON, doing business as Hollywood International Records, Los Angeles, Calif. Filed Oct. 15, 1946.



FOR GROOVED PHONOGRAPH RECORDS.
Claims use since Aug. 1, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 476,902. DEFOE SHIPBUILDING CO., Bay City, Mich. Filed Nov. 27, 1944.

THE DEFOE "ROLLOVER"

The words "The Defoe" are disclaimed.
FOR TRADE PERIODICALS CONTAINING NEWS ITEMS AND ADVERTISING MATTER RELATING PRINCIPALLY TO APPLICANT'S BUSINESS AND ITS EMPLOYEES AND THE PRODUCTS MADE AND SOLD BY APPLICANT.
Claims use since December 1942.

Ser. No. 515,040. THE OLD PROFESSOR, INC., Brooklyn, N. Y. Filed Dec. 30, 1946.

The Old PROFESSOR'S Lucky Longshots

FOR DAILY RACING PUBLICATIONS.
Claims use since Nov. 18, 1946.

Ser. No. 515,041. THE OLD PROFESSOR, INC., Brooklyn, N. Y. Filed Dec. 30, 1946.



Th portrait of the man is fanciful.
FOR DAILY RACING PUBLICATIONS.
Claims use since Nov. 18, 1946.

Ser. No. 520,198. ALFRED BENDER, doing business as Veterans Post and The Best Publishing Company, San Francisco, Calif. Filed Apr. 5, 1947.

Veterans Post

The word "Veterans" is disclaimed apart from the balance of the mark.
FOR VETERANS' NEWSPAPER.
Claims use since June 1, 1946.

Ser. No. 521,425. WILLIAM R. ANDERSON, doing business as Read-A-Gram Company, Trenton, Mich. Filed Apr. 28, 1947.

READ A GRAM COMPANY

The word "Company" is disclaimed apart from the mark.
FOR PRINTED CARDS FOR CUSTOMER DISTRIBUTION.
Claims use since Apr. 10, 1947.

CLASS 39

CLOTHING

Ser. No. 477,632. SWISSTEX COMPANY, West New York, N. J. Filed Dec. 15, 1944.

Ellen Maid

FOR FOUNDATION GARMENTS, CORSETS, BRASSIÈRES, AND COMBINATIONS OF THE SAME.
Claims use since May 1, 1944.

Ser. No. 489,406. THE CHARLES MEIS SHOE COMPANY, Cincinnati, Ohio. Filed Oct. 4, 1945.

Hollywood Steppers

The word "Hollywood" is disclaimed except in the connection shown.
FOR WOMEN'S AND MISSES' SHOES OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Apr. 1, 1938.

Ser. No. 502,572. THE FRANCES SHOP, INC., South Bend, Ind. Filed May 22, 1946.

calita

FOR WOMEN'S AND MISSES' SKIRTS, COATS, DRESSES, BATHING SUITS, SLACKS, AND SUN DRESSES, SUN ROBES, SHORTS, AND PEDAL PUSHERS.
Claims use since Feb. 25, 1946.

Ser. No. 515,908. RODNEY BLOUSES, INC., New York, N. Y. Filed Jan. 17, 1947.

Designed by Ellen Sue

The words "Designed by" are disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' BLOUSES.
Claims use since Dec. 20 ,1946.

Ser. No. 516,679. DUTCHESS UNDERWEAR CORP., New York, N. Y. Filed Jan. 31, 1947.

Skintimates

FOR LADIES' UNDERWEAR, PAJAMAS, NIGHTGOWNS, AND DRESSES.
Claims use since Jan. 15, 1945.

Ser. No. 516,680. DUTCHESS UNDERWEAR CORP., New York, N. Y. Filed Jan. 31, 1947.

Kumfytyma

FOR LADIES' UNDERWEAR, PAJAMAS, NIGHTGOWNS, AND DRESSES.
Claims use since Jan. 15, 1945.

Ser. No. 518,010. KIDDIE-WEAR OF CALIFORNIA, INC., Santa Barbara, Calif. Filed Feb. 24, 1947.



Cali-cub

FOR CHILDREN'S SLEEPING GARMENTS AND PLAY CLOTHES—NAMELY, "SLEEP-SAFE" PATENTED SLEEPING PAJAMAS, GIRLS' NIGHTGOWNS, GIRLS' AND BOYS' PLAYSUITS, TODDLERS' OVERALLS AND JUMPER DRESSES.
Claims use since Jan. 6, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 524,755. THE WELLA CORPORATION, New York, N. Y. Filed June 24, 1947.

WELLA Twurler

The word "Twurler" is disclaimed apart from the mark.
FOR PRECISION TOOL FOR SHAPING PIN CURLS IN DRESSING THE HAIR.
Claims use since Feb. 25, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 492,865. STARTEX MILLS, Tucapau, S. C. Filed Dec. 7, 1945.

CARNIVAL STRIPE

STARTEX MILLS

"Stripe" and "Mills" are disclaimed apart from the mark as shown.
FOR TOWELS AND TOWELINGS.
Claims use since Aug. 7, 1939.

Ser. No. 507,386. FOREMAN FABRICS CORP., New York, N. Y. Filed Aug. 14, 1946.

kassaka

FOR WOVEN TEXTILE FABRICS OF RAYON YARN IN THE PIECE.
Claims use since May 1946.

Ser. No. 518,818. CHARMETTE FABRICS CO. INC., New York, N. Y. Filed Mar. 11, 1947.

VERICHARM

FOR FABRICS IN THE PIECE MADE OF RAYON FIBRES — NAMELY, REGENERATED CELLULOSE FIBRES AND CELLULOSE ACETATE FIBRES OR ADMIXTURES THEREOF.
Claims use since Feb. 24, 1947.

Ser. No. 522,281. MEADTEX FABRICS CO., New York, N. Y. Filed May 12, 1947.

Tubmaster

FOR PIECE GOODS MADE OF COTTON, RAYON, WOOL, AND LINEN, AND MIXTURES THEREOF.
Claims use since Aug. 18, 1944.

Ser. No. 523,714. SWISS MILLS, INC., New York, N. Y. Filed June 6, 1947.



The abbreviation "Inc." is disclaimed apart from the mark.
FOR PIECE GOODS OF COTTON, LINEN, SILK, WOOL, NYLON, AND RAYON.
Claims use since January 1933.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 501,158. BECTON, DICKINSON & Co., Rutherford, N. J. Filed Apr. 30, 1946.

B-D

FOR HYPODERMIC SYRINGES AND PARTS THEREOF; BULB SYRINGES AND PARTS THEREOF FOR USE IN EAR IRRIGATING AND ASPIRATING, NASAL SUCTION AND IRRIGATION, ETC.; CARTRIDGE SYRINGES AND PARTS THEREOF AND MEDICINAL CARTRIDGES THEREFOR; SEDIMENTATION TUBES; VETERINARY HYPODERMIC SYRINGES AND PARTS THEREOF; VETERINARY DOSE SYRINGES AND PARTS THEREOF; VETERINARY NEEDLES; VETERINARY MILKING TUBES; CLINICAL THERMOMETERS; ELASTIC BANDAGES; ADHESIVE BANDAGES; STETHOSCOPES; MANOMETERS USED FOR TESTING BLOOD PRESSURE, AND PARTS THEREOF, VENOUS PRESSURE, SPINAL PRESSURE, AND UTEROSALPINGOGRAPHY; DENTAL HYPODERMIC SYRINGES AND PARTS THEREOF; DENTAL WATER SYRINGES AND PARTS THEREOF; DENTAL NEEDLES; DENTAL CHIP BLOWERS; STERILE CONTAINERS AND STERILIZING CASES FOR CLINICAL THERMOMETERS, HYPODERMIC SYRINGES, AND HYPODERMIC NEEDLES; AND INSTRUMENTS FOR THE COLLECTION OF BLOOD SPECIMENS.
Claims use since November 1915.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 480,997. NOEL & CIA. LTDA. SOCIEDAD ARGENTINA DE DULCES Y CONSERVAS, Buenos Aires, Argentina. Filed Mar. 16, 1945.

RISKO

FOR CANDIES.
Claims use since May 1944.

Ser. No. 505,922. BERNARD S. PINCUS COMPANY, Philadelphia, Pa. Filed July 19, 1946.



Yankee Maid

The picture in the drawing is fanciful.
FOR MEATS AND MEAT PRODUCTS—NAMELY, FRANKFURTERS, SMOKED AND COOKED HAMS, PORK SHOULDER BUTTS, PORK SAUSAGES, AND PORK AND BEEF SAUSAGES.
Claims use since spring of 1938.

Ser. No. 520,968. F. J. NORTHCUTT, doing business as Valley Coffee Mills, McAllen, Tex. Filed Apr. 18, 1947.

HOME-FOLKS

FOR COFFEE.
Claims use since Mar. 25, 1947.

Ser. No. 525,586. LLOYD GARRETSON COMPANY, Yakima, Wash. Filed July 2, 1947.



FOR FRESH DECIDUOUS FRUITS—NAMELY, APPLES AND PEARS.
Claims use since Sept. 19, 1919.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 511,979. BOHEMIAN DISTIBUTING COMPANY, also doing business as International Products Company, Los Angeles, Calif. Filed Nov. 4, 1946.

MICHEL

FOR GRENADINE SYRUP FOR FLAVORING ALCOHOLIC LIQUORS.
Claims use since Sept. 10, 1946.

Ser. No. 525,774. BOHEMIAN DISTRIBUTING COMPANY, also doing business as International Products Company, Los Angeles, Calif. Filed July 3, 1947.

CROWN RUSSE

The word "Russe" is disclaimed.
FOR VODKA AND ETHYL ALCOHOL.
Claims use since Oct. 18, 1940.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 476,853. SANDEE MANUFACTURING COMPANY, Chicago, Ill., assignee of Elmer D. Szantay. Filed Sept. 4, 1947.

Sandee

FOR SYNTHETIC PLASTIC MATERIALS FOR GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since May 25, 1944.

Ser. No. 529,052. J. GREENEBAUM TANNING CO., Chicago, Ill. Filed July 21, 1947.

"DEERO HORSE"

Applicant disclaims the word "Horse" except as shown in the mark. Applicant claims ownership of registration No. 322,057.
FOR LEATHER.
Claims use since Aug. 1, 1934.

Ser. No. 545,476. GREAT PLAINS SEED CO., Sioux Falls, S. Dak. Filed Dec. 26, 1947.

PLAINSMAN



FOR FARMS AND GARDEN SEEDS.
Claims use since Oct. 27, 1947.

Ser. No. 549,375. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

SAFE-T

Applicant claims ownership of registration No. 383,923.
FOR COTTON BATTING CHEMICALLY TREATED TO RENDER THE SAME NONINFLAMMABLE.
Claims use since Nov. 14, 1939.

Ser. No. 549,379. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

WARM-LITE

Applicant claims ownership of registration No. 301,688.
FOR COTTON BATTING.
Claims use since July 14, 1925.

CLASS 2

RECEPTACLES

Ser. No. 514,234. LILY-TULIP CUP CORPORATION, New York, N. Y., a corporation of Delaware, assignee of Universal Paper Products Company, Chicago, Ill. Filed July 28, 1947.

VEE DISHES

The word "Dishes" is disclaimed apart from the mark. Applicant claims ownership of registration No. 341,534.
FOR PAPER DISHES.
Claims use since Nov. 14, 1948.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 542,498. AFFILIATED RETAILERS, INC., New York, N. Y. Filed Nov. 28, 1947.

Arflite

FOR SUITCASES, PORTFOLIOS, POCKETBOOKS, HANDBAGS, TRUNKS, PULLMAN CASES, OVERNIGHT CASES, TRAVELLING CASES, WARDROBE CASES, WEEKEND CASES, BRIEF CASES, AND VALISES.
Claims use since June 7, 1947.

Ser. No. 545,241. CROUCH & FITZGERALD CORPORATION, New York, N. Y. Filed Dec. 23, 1947.

C & F

Applicant claims ownership of registration No. 254,970.
FOR SUIT CASES, TRAVELING BAGS, PORTFOLIOS, WARDROBES, OVERNIGHT BAGS, AND TRUNKS.
Claims use since 1839.

Ser. No. 548,408. RICO LEATHER SPECIALTY INC., Chicago, Ill. Filed Jan. 30, 1948.



FOR WALLETS, POCKET SECRETARIES, KEY CASES, OVERNIGHT CASES AND BAGS, BRIEF CASES, PORTFOLIOS, AND ZIPPER ENVELOPES.
Claims use since Aug. 1, 1947.

Ser. No. 556,564. ENGER-KRESS COMPANY, West Bend, Wis. Filed May 8, 1948.

CANDLELIGHT

FOR BILLFOLDS.
Claims use since Jan. 6, 1948.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 533,970. ARROW SUPPLY & TOOL CO., New York, N. Y. Filed Sept. 10, 1947.



Applicant claims ownership of registration No. 243,478.
FOR GREEN ROUGE IN STICK FORM FOR POLISHING PLATINUM, GOLD, AND OTHER PRECIOUS METALS; RED ROUGE IN STICK FORM FOR POLISHING GOLD AND OTHER PRECIOUS METALS, WHITE ROUGE IN STICK FORM FOR POLISHING WHITE GOLD AND HARD RUBBER, GREEN COMPOSITION IN BAR FORM FOR POLISHING VALCANITE AND HARD RUBBER, TRIPOLI COMPOSITION, RUBY POLISHING POWDER, AND PUTTY POLISHING POWDER.
Claims use since July 21, 1921.

Ser. No. 543,208. THE MENNEN COMPANY, Newark, N. J. Filed Dec. 3, 1947. Under section 2f of the act of 1946.

MENNEN

Applicant claims ownership of registration No. 237,898.
FOR SOAPS, AND SHAVING CREAMS, LATHERING AND NON-LATHERING TYPES.
Claims use since January 1926.

Ser. No. 544,348. HILL MANUFACTURING COMPANY, Atlanta, Ga. Filed Dec. 15, 1947.

Silver Puff

The word "Silver" is disclaimed apart from the mark as shown.
FOR SILVER POLISH.
Claims use since Feb. 12, 1945.

Ser. No. 547,996. JANITORS SUPPLY HOUSE, INCORPORATED, Baltimore, Md. Filed Jan. 26, 1948.

JAN-O

FOR SCOURING POWDER, SOAP POWDER, LIQUID SOAP, AND SWEEPING COMPOUND.
Claims use since 1923.

Ser. No. 550,270. STERNO, INC., New York, N. Y. Filed Feb. 20, 1948.

STERNO

Applicant claims ownership of registrations Nos. 105,426 and 178,221.
FOR METAL POLISH.
Claims use since Feb. 9, 1948.

CLASS 5

ADHESIVES

Ser. No. 537,578. THE FLINTKOTE COMPANY, New York, N. Y. Filed Oct. 11, 1947.

WELD-ON

FOR QUICK-SETTING, HIGH-STRENGTH CEMENT INTENDED FOR USE IN CEMENTING LAPS BETWEEN SHEETS OF ROLL ROOFING.
Claims use since Mar. 18, 1947.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 481,886. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Oct. 2, 1947.

DAREX

Applicant claims ownership of registrations Nos. 270,512 and 383,729.
FOR WAX OR PETROLEUM WAX BASE COMPOSITIONS USED FOR COATING, IMPREGNATING, LAMINATING, AND SEALING PAPER, FIBERBOARD, METAL, CELLOPHANE, GLASSINE, PARCHMENT, AND OTHER PAPER STOCKS.
Claims use since Mar. 14, 1941.

Ser. No. 514,937. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 8, 1948.



FOR CHEMICALS DERIVED FROM CORN—NAMELY, WHOLE PROTEIN DERIVED FROM CORN GLUTEN, ZEIN, CALCIUM PHYTATE, AND INOSITOL.
Claims use since May 30, 1944.

Ser. No. 519,735. A. W. CURTIS, JR., doing business as A. W. Curtis Laboratories, Detroit, Mich. Filed Nov. 14, 1947.



Dr. George W. Carver
CURTIS

The trade-mark consists of the name "Dr. George W. Carver" in association with the portrait of the individual, now deceased, together with the name "Curtis." The word "Curtis" is disclaimed apart from the mark. Applicant claims ownership of registration No. 416,249.
FOR FACE CREAMS, FACE POWDERS, MAKE-UP IN CAKE FORM, HAND, SKIN AND FACE LOTIONS, TALCUM POWDER, BATH OIL, COLOGNE, DEODORANTS, SHAMPOO, PREPARATIONS FOR THE HAIR—NAMELY, HAIR BEAUTIFIER, HAIR TONIC AND HAIR OIL, SACHET POWDER, TOOTH POWDER AND LIQUID CORN REMOVER.
Claims use since Sept. 10, 1946.

Ser. No. 519,815. JULIUS GOLDNER, doing business as Warwick Laboratories Company, Brooklyn, N. Y. Filed Nov. 4, 1947.

WARCO

Grade A

The word and letter "Grade A" are disclaimed apart from the mark. Applicant claims ownership of registration No. 435,544.
FOR HYDRAULIC BRAKE FLUID.
Claims use since May 1936.

Ser. No. 523,469. JAMIESON PHARMACAL COMPANY, Detroit, Mich. Filed Aug. 18, 1947.

EPHEDROSE

FOR LIQUID PHARMACEUTICAL COMPOSITIONS FOR THE TEMPORARY RELIEF OF NASAL CONGESTION AND TREATMENT OF NASAL AND NASOPHARYNGEAL AILMENTS.
Claims use since Mar. 16, 1938.

Ser. No. 525,603. LANCHERE, INC., Chicago, Ill. Filed Dec. 18, 1947.

Blue Rose

The word "Rose" is disclaimed apart from the mark shown. Applicant claims ownership of registration No. 167,227.
FOR PERFUME, TOILET WATER, COLOGNE, PERFUMED SACHET POWDER, TALCUM POWDER, FACE POWDER, BATH POWDER, FACE CREAMS, ASTRINGENTS, ROUGE, LIPSTICK, EYELASH BEAUTIFIER, HAND CREAM, HAND AND FACE LOTIONS, HAIR SHAMPOO, BRILLIANTINE, DEODORANT CREAM AND COLOGNE, BATH OIL, BATH SALTS, AND BUBBLE BATH PREPARATIONS.
Claims use since Mar. 26, 1912.

Ser. No. 530,906. ANGIER CHEMICAL COMPANY, Allston and Boston, Mass. Filed Aug. 9, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of registrations Nos. 24,051 and 152,115.

FOR EMULSION OF REFINED PETROLEUM USED AS A MILD LAXATIVE AND AS AN INTERNAL AND EXTERNAL MEDICANT IN THE TREATMENT OF INFECTIONS OF THE THROAT, LUNGS, AND OTHER ACCESSIBLE MUCUS MEMBRANES.

Claims use since Dec. 31, 1937.

Ser. No. 531,801. GRIFFIN CHEMICAL COMPANY, San Francisco, Calif. Filed Aug. 19, 1947.



FOR ACETAL; ACETALDEHYDE; ACETAMIDE; ACETIC ACID; ACETONE; ACETRONITRILE; ALLYL ALCOHOL; ALUMINA HYDRATE; ALUMINUM ACETATE; ALUMINUM CHLORIDE; ALUMINUM SULPHATE; ALUMINUM STEARATE; ALUMINUM PALMITATE; AMMONIA ALUM; AMMONIUM CHLORIDE; AMMONIUM NITRATE; AMMONIUM SULPHATE; AMMONIUM THIOCYANATE; AMYL ALCOHOL; AMYL ACETATE; ANHYDROUS AMMONIA; ANTIMONY SULPHIDE; AQUA AMMONIA; BARIUM CHLORIDE; BARIUM HYDROXIDE; BEESWAX; BENZOIC ACID; BENZOL; BORAX; BORIC ACID; BUTYL ACETATE; BUTYL ALCOHOL; CALCIUM CARBONATE; CALCIUM CHLORIDE; CALCIUM CYANIDE; CALCIUM GLUCONATE; CALCIUM HYDROXIDE; CALCIUM STEARATE; CALCIUM SULPHATE; CAPRYLIC ACID; CARBOLIC ACID; CARBON BISULPHIDE; CARBON TETRACHLORIDE; CASEIN; CASTOR OIL; CAUSTIC POTASH; CAUSTIC SODA; CHLORINE; CHLOROFORM; CHROME ALUM; CHROMIC ACID; COLLODION; COPPER ACETATE; COPPER CARBONATE; COPPER SULPHATE, BASIC; COPPER SULPHATE, NORMAL; CREAM OF TARTAR; CROTONALDEHYDE; CYCLOHEXANE; CYCLOHEXANOL; DIACETONE; DIBUTYLPHTHALATE; DICHLOROETHYLENE ETHER; DIETHYLENE GLYCOL; DIETHYLENE GLYCOL ETHER; DIOCTYL PHTHALATE; DIETHYLENE DIOXIDE; DISODIUM PHOSPHATE; EPSOM SALTS; ETHYL ACETATE; ETHYL ETHER; ETHYLHEXYL ALCOHOL; ETHYLENE DICHLORIDE; ETHYLENE DICHLORIDE CARBON TETRACHLORIDE FUMIGANT; ETHYLENE GLYCOL; ETHYLENE GLYCOL ETHERS; FORMALDEHYDE; FORMIC ACID; GLAUBERS SALT; GLUTAMIC ACID; GLYCERINE; GUM ARABIC; GUM SANDARAC; GUM TRAGACANTH; HEPTANE; HEXAMETHYLENE TETRA AMINE; HEXYLENE GLYCOL; HYDROCHLORIC ACID; HYDROGEN PEROXIDE; INSECTICIDES—NAMELY, DICHLORO-DIPHENYL-TRICHLOROETHANE SOLUTIONS AND DUST MIXTURES, PYRETHRUM, SULPHUR; IODINE; IRON SULPHATE; ISOBUTYL ALCOHOL; ISOPROPYL ACETATE; ISOPROPYL ALCOHOL; ISOPROPYL ETHER; ISOPROPYL OLEATE; LANOLIN; LITHIUM CHLORIDE; MAGNESIUM CARBONATE; MAGNESIUM CHLORIDE; MAGNESIUM OXIDE; MAGNESIUM STEARATE; MALEIC ACID; MANGANESE SULPHATE; METHANOL; METHYL ACETATE; METHYL ACETONE; METHYL ALCOHOL; METHYL ETHYL KETONE; METHYL ISOBUTYL KETONE; MONOETHANOLAMINE; MONOSODIUM CARBONATE; MONOSODIUM GLUTAMATE; MORPHOLINE; NAPHTHALENE; N-BUTYL ALCOHOL; N-PROPYL ALCOHOL; NITROBENZENE; NITRIC ACID; OCTYL ACETATE; OCTYL ALCOHOL; OLEIC ACID; ORTHODICHLOROBENZENE; OXALIC ACID; PAPAYOTIN; PARADICHLOROBENZENE; PARALDEHYDE; PARIS GREEN; PENTACETATE; PENTA BRYTHRITOL; PERCHLORETHYLENE; PERCHLORIC ACID; PETROLEUM ETHER; PETROLEUM SULPHONATE; PETROLEUM ALKYL SULPHONATES PLUS POLYHYDRIC ALCOHOLS; PHENOL; PHOSPHORIC ACID; PHOSPHORUS OXYCHLORIDE; PHOSPHORUS TRICHLORIDE; PINE OIL; PLASTICIZERS: BIS (DIETHYLENE GLYCOL MONOETHYLENE ETHER) PHTHALATE, BUTOXY ETHYL STEARATE, BUTYL BENZYL STEARATE, DIALLYL PHTHALATE, DIBENZYL SEBACATE, DIBUTYL ETHYL PHTHALATE, DIBUTYL SEBACATE, DICAPRYL PHTHALATE, DICYCLOHEXYL PHTHALATE, DIETHOXY ETHYL PHTHALATE, DIHEXYL PHTHALATE, DIHEXYL SEBACATE, DIMETHOXY ETHYL PHTHALATE, DIMETHYL SEBACATE, DIOCTYL PHTHALATE, DIOCTYL SEBACATE, FATTY PHTHALIC ACID ESTERS, METHOXY ETHYL ACETYL RICINOLEATE, METHOXY ETHYL OLEATE, TRIBUTOXY ETHYL PHOSPHATE, TRICRESYL PHOSPHATE; POLYETHYLENE GLYCOL; POLYHYDRIC ALCOHOL ESTERS PLUS ALDEHYDES; POLYHYDRIC ALCOHOL FATTY ACID ESTERS; POLYVINYL ACETATE SOLVENT MIXTURES; POTASSIUM ACETATE; POTASSIUM ALUM; POTASSIUM IODIDE; POTASSIUM NITRATE; POTASSIUM AND SODIUM TARTRATE; PROPYL ALCOHOL; PROPYLENE DICHLORIDE; PROPYLENE GLYCOL; ROCHELLE SALTS; SAL SODA; SALICYLIC ACID; SALT CAKE; SEBACIC ACID; SILVER NITRATE; SODA ASH; SODIUM ACETATE; SODIUM ALUMINATE; SODIUM BENZOATE; SODIUM BICARBONATE; SODIUM BICHROMATE; SODIUM CHLORIDE; SODIUM FLUORIDE; SODIUM HYPOSULPHITE; SODIUM METABORATE; SODIUM METASILICATE; SODIUM NITRATE; SODIUM PERBORATE; SODIUM PHOSPHATES; DISODIUM PHOSPHATE ANHYDROUS, DISODIUM PHOSPHATE CRYSTALLINE, MIXED SODIUM PHOSPHATES, MONOSODIUM PHOSPHATE ANHYDROUS, MONOSODIUM PHOSPHATE MONOHYDRATE, SODIUM ACID PYROPHOSPHATE, SODIUM HEXAMETAPHOSPHATE, SODIUM SILICO FLUORIDE, SODIUM TETRAPHOSPHATE, SODIUM TRIPOLYPHOSPHATE, TETRASODIUM PYROPHOSPHATE, TRISODIUM PHOSPHATE CRYSTALLINE, TRISODIUM PHOSPHATE MONOHYDRATE; SODIUM SALICYLATE; SODIUM SESQUICARBONATE; SODIUM SILICATE; SODIUM SILICOFLUORIDE; SODIUM SULPHATE; SODIUM SULPHITE; SODIUM SULPHOCYANIDE; SOYA FATTY ACID; STEARIC ACID; SUCCINIMIDE; SUCROSE OCTA ACETATE; SULPHUR DIOXIDE; SULPHUR MONOCHLORIDE; SULPHURIC ACID; TANNIC ACID; TANNIN QUEBRACHOS; TARTARIC ACID; TOLUOL; TRICALCIUM PHOSPHATE; TRICHLORETHYLENE; TRICRESYLPHOSPHATE; TRIETHANOLAMINE; UREA; WHITE OIL; XYLOL; XYLENE; ZINC ACETATE; ZINC CHLORIDE; ZINC HYDROSULPHITE; ZINC OXIDE; ZINC PALMITATE; ZINC STEARATE; AND ZINC SULPHATE.

Claims use since Mar. 5, 1935.

Ser. No. 537,480. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Oct. 10, 1947.

ZYMEZATE

FOR AUTOLYSATE OF PRIMARY GROWN YEAST SUITABLE FOR USE AS AN INGREDIENT IN MAKING PHARMACEUTICAL PREPARATIONS, SOLD IN BULK TO THE PHARMACEUTICAL MANUFACTURING INDUSTRY.

Claims use since Sept. 2, 1947.

Ser. No. 538,335. A. REED WILSON CO., Kansas City, Mo. Filed Oct. 18, 1947.



Applicant claims ownership of registration No. 304,696.

FOR INSECTICIDES, GERMICIDES, ANTISEPTICS, DISINFECTANTS, DEODORANTS, AND FUNGICIDES.

Claims use since Nov. 10, 1932.

Ser. No. 539,464. A & B SALES CORPORATION, Hillside, N. J. Filed Oct. 30, 1947.

"MITY MITE"

FOR CHEMICAL PREPARATION FOR PREVENTING SLUDGE AND GUM FORMATIONS, AND TO NEUTRALIZE ACIDS AND PREVENT CORROSION IN INTERNAL COMBUSTION ENGINES.

Claims use since November 1945.

Ser. No. 542,048. NATURO MFG. CO., Los Angeles, Calif. Filed Nov. 22, 1947.

Naturo

Applicant claims ownership of registration No. 249,760.

FOR PRODUCTS USED IN PREPARATION AND PRESERVATION OF THE HUMAN DEAD: EMBALMING FLUIDS, VIZ., ARTERIAL FLUID, CAVITY FLUID; FLUID MODIFIER; DROPSICAL FLUID; BLEACHING SOLUTION; AND DISINFECTANT AND DEODORANT CHEMICALS; AND COSMETICS, VIZ., RESTORATIVE WAX; ADHESIVE CLOSURE FOR EYES AND MOUTH; TINT FOR SKIN, LIPS, NAILS, AND FACE; ANTI-MOLD CREAM; PERFUME; COVERING CREAMS; INCISION SEALER AND SOLVENTS THEREFOR; FACE POWDER; ROUGE; AND MASSAGE CREAM.

Claims use on arterial fluid since March 1947; on cavity fluid since June 1946; on fluid modifier since 1927; on dropsical fluid since 1927; on bleaching solution since 1936; on disinfectant and deodorant chemicals since 1927; on restorative wax since 1927; on adhesive closure for eyes and mouth since 1947; on tint for skin, lips, nails, and face since 1928; on anti-mold cream since 1927; on perfume since 1927; on covering creams since 1934; on incision sealer and solvents therefor since 1940; on face powder since 1927; on rouge since 1927; and on massage cream since 1930.

Ser. No. 542,284. CLOROX CHEMICAL CO., Oakland, Calif. Filed Nov. 25, 1947.



The central portion of the drawing is lined for shading purposes only. Applicant claims ownership of registrations Nos. 102,650, 251,292, 279,405, 287,293, and 290,449.

FOR BLEACHING, CLEANSING, ANTISEPTIC AND GERMICIDAL COMPOUND.

Claims use since 1934.

Ser. No. 543,175. GEIGY COMPANY, INC., New York, N. Y. Filed Dec. 3, 1947.

"GY-BEN"

Applicant claims ownership of registrations Nos. 149,067, 342,763, 384,780, 432.258, 436,142, and 435,070.

FOR INSECTICIDES.

Claims use since Oct. 27 1947.

Ser. No. 543,373. THE PHARMA-CRAFT CORPORATION, New York, N. Y. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

FRESH

Applicant claims ownership of registrations Nos. 304,674, 371,350, 382.346, and 411,636.

FOR DEODORANT AND NONPERSPIRANT.

Claims use since Oct. 10, 1930.

Ser. No. 543,663. SOCIETE DE GRANDS TRAVAUX SCIENTIFIQUES (SOCIETE ANONYME), Paris, France. Filed Dec. 6, 1947.

HEMOBIOS

Applicant claims ownership of French registration No. 274,618, dated May 27, 1937.
FOR DAY CREAM, NIGHT CREAM, MAKE-UP EMULSION, MAKE-UP TONIC.

Ser. No. 544,595. WALTER NEUMANN, New York, N. Y. Filed Dec. 17, 1947.

ANTHAPHYLLINE

Applicant claims ownership of registration No. 353,581.
FOR MEDICINAL PREPARATIONS FOR TREATMENT OF NASAL AND SKIN HYPERSENSITIVITY.
Claims use since July 2, 1947.

Ser. No. 545,364. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Dec. 24, 1947.

Glid-N

Applicant claims ownership of registration No. 140,130.
FOR HERBICIDES AND INSECTICIDES.
Claims use since Feb. 6, 1947.

Ser. No. 548,303. WALLACE LABORATORIES, INC., Princeton, N. J., and New York, N. Y. Filed Jan. 29, 1948.

PENICLE

FOR LIQUID PREPARATION TO BE USED AS A VEHICLE FOR THE USE OF PENICILLIN, PARTICULARLY IN THE TREATMENT OF BOVINE MASTITIS.
Claims use since Nov. 6, 1947.

Reg. No. 548,969. LEWIS BROS., INC., New York, N. Y. Filed Feb. 6, 1948.

PHG

FOR HAIR DRESSING PREPARATIONS.
Claims use since Oct. 1, 1947.

Ser. No. 549,257. DOROTHY DAVES HOWARD, doing business as Wright Drug Company, Greenville, S. C. Filed Feb. 10, 1948.

CORTELLE

FOR MEDICINE FOR THE RELIEF OF POISON OAK AND POISON IVY.
Claims use since Feb. 1, 1946.

Ser. No. 550,622. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Feb. 26, 1948.

TRESULIDE

Applicant claims ownership of registrations Nos. 398,547, 431,963, 433,503, 433,504, and 500,418.
FOR ANTIBACTERIAL PREPARATION.
Claims use since Feb. 4 1948.

Ser. No. 550,990. BUFFALO FIRE APPLIANCE CORPORATION, Dayton, Ohio. Filed Mar. 2, 1948.

BUFFALO

FOR CHEMICAL KITS FOR RECHARGING ANTI-FREEZE FIRE EXTINGUISHERS—NAMELY, CALCIUM CHLORIDE CRYSTALS FOR PUMP TANK TYPE EXTINGUISHERS, AND CALCIUM CHLORIDE CRYSTALS AND CARTRIDGE CONTAINING CARBON DIOXIDE UNDER PRESSURE FOR AUTOMATIC CARTRIDGE TYPE EXTINGUISHERS.
Claims use since 1922.

Ser. No. 551,357. BENARD & HONNORAT, doing business as Molinard, Grasse, France.

CONCRETA

Applicant claims ownership of French registration No. 937, dated Dec. 30, 1925, renewed Jan. 28, 1941, No. 1371.
FOR PERFUMES, TOILET WATER, COLOGNE, FACE POWDER, LIPSTICK, ROUGE, MASCARA, EYE SHADOW, CREAM FOR FACE AND SKIN, AND TALCUM POWDER.

Ser. No. 551,440. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 8, 1948.

Buffalo

Applicant claims ownership of registrations Nos. 67,613 and 154,522.
FOR CORN STARCH FOR MANUFACTURING PURPOSES.
Claims use since Mar. 1, 1906.

Ser. No. 551,456. HY-PURE LABORATORIES, INC., Cincinnati, Ohio. Filed Mar. 8, 1948.

ACIDAR

FOR PREPARATION FOR RELIEVING HEARTBURN, FLATULENCE, SOUR STOMACH DUE TO HYPERACIDITY, AND STOMACH DISCOMFORTS DUE TO HYPERACIDITY AND OVERINDULGENCE.
Claims use since Jan. 1, 1929.

Ser. No. 551,457. HY-PURE LABORATORIES, INC., Cincinnati, Ohio. Filed Mar. 8, 1948.

CLOTAR

FOR PREPARATION FOR USE AS AN EXPECTORANT AND FOR RELIEVING COUGHS, COLDS, AND BRONCHIAL IRRITATIONS.
Claims use since Jan. 1, 1929.

Ser. No. 551,521. THE CARTER'S INK COMPANY, Cambridge, Mass. Filed Mar. 9, 1948. Under section 2f of the act of 1946.

CARTER'S

Applicant claims ownership of registrations Nos. 48,946, 50,451, and 104,815.
FOR INK ERADICATOR.
Claims use since August 1901.

Ser. No. 552,192. WALLACE & TIERNAN PRODUCTS, INC., Belleville, N. J. Filed Mar. 17, 1948.

FLURIUM

FOR MEDICINAL CHEWING GUM TO BE USED AS A PREVENTATIVE OF DENTAL CARIES.
Claims use since Mar. 2, 1948.

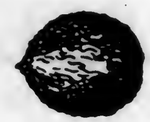
Ser. No. 552,273. LEO A. SAUER, doing business as V-O Manufacturing Company, North Hollywood, Calif. Filed Mar. 18, 1948.

CHEM-TUNE

FOR CHEMICAL COMPOSITION FOR USE IN REMOVING CARBON DEPOSITS, DIRT AND SLUDGE FROM AND TO OTHERWISE CLEAN INTERNAL COMBUSTION ENGINES.
Claims use since Mar. 15, 1946.

Ser. No. 552,680. JOHN F. MCLEOD, doing business as McLeod Rubber Co., Hendersonville, N. C. Filed Mar. 22, 1948.

Old Walnut



Applicant claims ownership of registration No. 211,371.
FOR HYDRAULIC BRAKE FLUID.
Claims use since Feb. 15, 1944.

Ser. No. 552,832. GEORGE R. BENT, doing business as G. R. Bent & Co., Chicago, Ill. Filed Mar. 24, 1948.

LIP-STYLE

Applicant disclaims the word "Lip" except in combination with the rest of the mark.
FOR LIP STICKS.
Claims use since Feb. 26, 1948.

Ser. No. 552,833. GEORGE R. BENT, doing business as G. R. Bent & Co., Chicago, Ill. Filed Mar. 24, 1948.

NAIL-STYLE

The word "Nail" is disclaimed apart from the mark as shown.
FOR NAIL LACQUERS.
Claims use since Feb. 26, 1948.

Ser. No. 560,106. HAAS-MILLER CORPORATION, Philadelphia, Pa. Filed June 24, 1948.

HAMILUBRIC

FOR SELF-EMULSIFIABLE OIL USED IN WATER DILUTION AS A HYDRAULIC LUBRICANT AND RUST PREVENTIVE, ALSO AS A WOOL STOCK LUBRICAN.T
Claims use since Dec. 18, 1936.

Ser. No. 560,192. ANDREW W. EASLEY, doing business as The Easley Company, Bluefield, W. Va. Filed June 25, 1948.

SAP FOR PAP

FOR PREPARATION FOR THE TREATMENT OF THE HAIR AND SCALP.
Claims use since May 23, 1948.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 502,718. ROGERS IMPORTS INC., New York, N. Y. Filed Dec. 29, 1947.

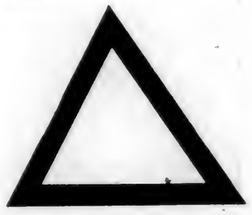
HUMIDO

FOR HUMIDIFIERS FOR TOBACCO PRODUCTS.
Claims use since June 5, 1929.

CLASS 10

FERTILIZERS

Ser. No. 528,558. DARLING AND COMPANY, Chicago, Ill. Filed July 14, 1947.



FOR FERTILIZERS.
Claims use since 1913.

Ser. No. 558,814. SARATOGA LABORATORIES INC., New York and Saratoga Springs, N. Y. Filed June 9, 1948.

Tracel

FOR MINERAL FERTILIZER.
Claims use since June 2, 1948.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 542,221. MARSH STENCIL MACHINE COMPANY, Belleville, Ill. Filed Aug. 14, 1947. Under section 2f of the act of 1946.

MARSH

Applicant claims ownership of registrations Nos. 422,854, 423,117, and 427,596.
FOR STENCIL MARKING INKS.
Claims use since Mar. 17, 1921.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 511,348. J. W. MORTELL COMPANY, Kankakee, Ill. Filed Sept. 25, 1947.

MORTEX

Applicant claims ownership of registration No. 245,544.
FOR LIQUID ASPHALTIC MATERIAL FOR SOUNDPROOFING, DAMPPROOFING, AND RUSTPROOFING METAL SURFACES, AND LIQUID ASPHALTIC MATERIAL FOR SECURING INSULATING MATERIALS TO WALLS, CEILINGS AND THE LIKE, AND FOR THE REPAIR OF ROOFS AND THE LIKE.
Claims use since Sept. 1, 1927.

Ser. No. 541,185. RUTLAND FIRE CLAY COMPANY, Rutland, Vt. Filed Nov. 14, 1947. Under section 2f of the act of 1946.



The figure in the drawing is fanciful. No claim is made to the words "Stove" and "Lining" apart from the mark as shown. Applicant claims ownership of registrations Nos. 152,978, 161,832, 324,155, and 324,156.
FOR COMPOUND INCLUDING ASBESTOS TO BE MIXED WITH WATER TO MAKE A PLASTIC STOVE LINING.
Claims use since Jan. 1, 1928.

Ser. No. 541,189. RUTLAND FIRE CLAY COMPANY, Rutland, Vt. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

RUTLAND

Applicant claims ownership of registrations Nos. 163,759, 324,155, 324,156, 152,978, and 161,832.
FOR SPACKLING COMPOUND TO BE MIXED WITH WATER TO FORM A MORTAR AND APPLIED WITH A CASE KNIFE OR TROWEL TO FILL SMALL CRACKS AND TO LEVEL THE SURFACE OF PLASTER, WOOD OR METAL, A CONCRETE PATCHING PLASTER TO BE MIXED WITH WATER FOR CLOSING CRACKS, BREAKS AND HOLES IN CONCRETE WALLS, WALKS, ROOFS, ETC., A PATCHING PLASTER TO BE MIXED WITH WATER FOR POINTING BRICKS AND PATCHING STUCCO, AN ASBESTOS STOVE LINING TO BE MIXED WITH WATER TO FORM A PLASTIC OR STIFF PUTTY, BLACK ROOFING CEMENT FOR BEDDING SLATE AND TILE, REPAIRING METAL ROOFS, STOPPING LEAKS, ETC., IRON CEMENT FOR MENDING BREAKS IN CASTINGS, AND LEAKS IN STEAM, GAS, AND WATER PIPES, ASBESTOS FURNACE CEMENT, RETORT CEMENT, AND BOILER COVERING.
Claims use since Apr. 1, 1883.

Ser. No. 550,394. THE DENVER FIRE CLAY COMPANY, Denver, Colo. Filed Feb. 24, 1948.

CALIBEX

Applicant claims ownership of registration No. 243,722.
FOR CALCINED DIASPORE, WHICH IS A HIGH TEMPERATURE OR REFRACTORY AGGREGATE.
Claims use since Oct. 15, 1927.

Serial No. 551,366. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 6, 1948.

LIBERTY

FOR ROLLED ROOFING.
Claims use since Apr. 1, 1918.

Ser. No. 551,896. IRVING SUBWAY GRATING CO. INC., Long Island City, N. Y. Filed Mar. 13, 1948.

IRVICO

FOR METAL GRATINGS FOR FLOORS AND STAIRCASES.
Claims use since Oct. 2, 1926.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 515,124. MUELLER BRASS CO., Port Huron, Mich. Filed Aug. 20, 1947.

STREAMLINE

Applicant claims ownership of registrations Nos. 214,272, 283,119, 283,781, 287,255, 289,612, 309,442, and 323,066.
FOR LAWN SPRINKLERS.
Claims use since Nov. 1, 1946.

Ser. No. 534,009. THE FERRY CAP & SET SCREW COMPANY, Cleveland, Ohio. Filed Sept. 10, 1947.

Lo-Carb

FOR HEXAGON HEAD SCREWS.
Claims use since Jan. 15, 1947.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 485,926. LAWRENCE B. SCOTT, Long Island City, N. Y. Filed Mar. 11, 1948. Under section 2f of the act of 1946.

TAPER LOCK

FOR METALLIC RODS AND ELEMENTS FOR REPAIRING CRACKED AND BROKEN CASTINGS OF STEEL, IRON, OR OTHER METALS.
Claims use since Jan. 1, 1943.

CLASS 15

OILS AND GREASES

Ser. No. 521,163. RUSSELL WILES, JR., doing business as Rig Products Company, Oregon, Ill. Filed July 30, 1947.

RIG

FOR RUST INHIBITING GREASE.
Claims use since March 1936.

Ser. No. 533,284. DEMERT & DOUGHERTY, INC., Chicago, Ill. Filed Sept. 4, 1947.

D and D

FOR LUBRICATING OILS HAVING ANTI-CORROSIVE PROPERTIES.
Claims use since Dec. 31, 1923.

CLASS 19

VEHICLES

Ser. No. 528,262. CLARK EQUIPMENT COMPANY, Buchanan, Mich. Filed July 10, 1947. Under section 2f of the act of 1946.

CLARK

Applicant claims ownership of registrations Nos. 165,644, 166,313, 169,144, 169,868, 240,492, 261,106, and 394,500.
FOR POWER OPERATED INDUSTRIAL MATERIAL HANDLING TRUCKS USED MERELY TO TRANSPORT GOODS.
Claims use since March 1918.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 526,656. P. R. MALLORY & CO., INC., Indianapolis, Ind. Filed July 5, 1947.

RECTOTRUCK

FOR ELECTRIC CURRENT RECTIFIERS, ELECTRIC BATTERY CHARGERS, AND RECTIFIER BATTERY CHARGERS, PARTICULARLY FOR TRUCK BATTERIES.
Claims use since May 29, 1947.

Ser. No. 528,915. ELECTRO MANUFACTURING CORPORATION, Chicago, Ill. Filed July 19, 1947. Under section 2f of the act of 1946.

ELECTRO-AIR

Applicant claims ownership of registration No. 412,349.
FOR GERMICIDAL LAMPS USED TO DESTROY AIR-BORNE BACTERIA.
Claims use since July 10, 1939.

Ser. No. 531,113. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

HARLEY-DAVIDSON

FOR MOTORCYCLE GENERATORS AND SPARE PARTS FOR SAME, WIRING AND WIRING HARNESSES FOR MOTORCYCLES, SWITCHES, SWITCH PANELS AND SPARE PARTS FOR SAME, ELECTRIC LAMPS AND SPARE PARTS FOR SAME, ELECTRIC LAMP MOUNTINGS AND SPARE PARTS FOR SAME, STORAGE BATTERIES AND SPARE PARTS FOR SAME, SPARK PLUGS, ELECTRIC SIGNS.
Claims use since Dec. 1, 1919.

Ser. No. 531,219. LE-LITE, INC., Chicago, Ill., assignor to Emarco Corporation, Chicago, Ill., a corporation of Illinois. Filed Aug. 13, 1947.

THORO FLARE

Applicant disclaims the word "Flare" and the design of the globe apart from the mark as shown.
FOR ELECTRICALLY OPERATED SIGNAL LIGHTS FOR EMERGENCY USE BY HIGHWAY VEHICLES AND FOR OTHER PURPOSES.
Claims use since July 7, 1947.

Ser. No. 531,655. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Aug. 18, 1947.

EA PRODUCTS

Applicant disclaims the word "Products." Applicant claims ownership of registration No. 354,568.
FOR ELECTRIC FANS, BOTH WITH AND WITHOUT SUPPLEMENTAL AIR HEATING MEANS.
Claims use since Apr. 5, 1920.

Ser. No. 532,280. DETROIT-MICHIGAN STOVE COMPANY, Detroit, Mich. Filed Aug. 25, 1947. Under section 2f of the act of 1946.

DETROIT JEWEL

FOR ELECTRIC RANGES.
Claims use since Jan. 1, 1936.

Ser. No. 535,065. MILLS INDUSTRIES, INCORPORATED, Chicago, Ill. Filed Sept. 19, 1947.



FOR AUTOMATIC SELECTIVE PHONOGRAPH MACHINES.
Claims use since Feb. 20, 1947.

Ser. No. 537,170. THE GATES RUBBER COMPANY, Denver, Colo. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

GATES

Applicant claims ownership of registration No. 353,065.
FOR ELECTRIC STORAGE BATTERIES AND STORAGE BATTERY CASINGS.
Claims use since Oct. 11, 1936.

Ser. No. 544,697. BUEHNER & WANNER, INC., New York, N. Y. Filed Dec. 18, 1947.

BUENILUM

FOR ELECTRIC LAMPS MADE FROM ALUMINUM, COPPER, BRASS, AND PEWTER.
Claims use since June 1933.

Ser. No. 547,027. PICO COMPANY, INC., Detroit, Mich. Filed Jan. 14, 1948.

NEWAL

FOR DOMESTIC LIGHTING APPLIANCES—NAMELY, ELECTRIC HOUSEHOLD LAMP FIXTURES AND WALL LAMP FIXTURES.
Claims use since Sept. 27, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 470,298. THE COLSON CORPORATION, Elyria, Ohio. Filed Aug. 1, 1947. Under section 2f of the act of 1946.

Colson

FOR CHILDREN'S VEHICLES—NAMELY, TRICYCLES, VELOCIPEDES AND SIDEWALK BICYCLES.
Claims use since Mar. 1, 1938.

Ser. No. 529,249. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed July 23, 1947.

CROSS FIRE

Applicant claims ownership of registration No. 323,900.
FOR COIN-CONTROLLED BALL ROLLING GAME.
Claims use since May 26, 1947.

Ser. No. 542,023. THE HORTON MANUFACTURING COMPANY, Bristol, Conn. Filed Nov. 22, 1947.

ELECTROMATIC

FOR FISHING REELS.
Claims use since Sept. 2, 1947.

Ser. No. 542,551. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Nov. 28, 1947.

CRYSTAL GAZER

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since Sept. 30, 1947.

Ser. No. 542,552. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Nov. 28, 1947.

EGYPTIAN SEERESS

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since Oct. 15, 1947.

Ser. No. 543,426. THE ENTERPRISE MANUFACTURING CO., Akron, Ohio. Filed Dec. 5, 1947.

DURITE

FOR FISHING LEADERS.
Claims use since Nov. 20, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 467,483. AMPCO METAL, INC., Milwaukee, Wis. Filed July 5, 1947.

AMPCOLOY

FOR WEAR RESISTANT AND CORROSION RESISTANT FINISHED MACHINE PARTS OF COPPER BASE ALLOY, AND GENERALLY MANUALLY OPERATED NON-SPARKING TOOLS OF COPPER BASE ALLOY—NAMELY, ADZES, AIR HAMMER BLANKS, AXES, BARS, CAULKING TOOLS, CHISELS, DRIFT PINS, STAR DRILLS, WEDGES, FORKS, HAMMERS, HATCHETS, HOES, ICE SHAVERS AND TONGS, KNIVES, NAIL PULLERS AND SETS, PACKING TOOLS, CHIPPERS, PICKS, PLIERS, PUNCHES, RAKES, SAWS, SCRAPERS, SCREW DRIVERS, SHEARS, SHOVELS, SPATULAS, SPRAY BOOTH KITS, SCOOPS, TROWELS, VISES AND WRENCHES.
Claims use since May 1938.

Ser. No. 505,020. WALWORTH COMPANY, Boston, Mass. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

STILLSON

Applicant claims ownership of registration No. 50,842.
FOR PIPE WRENCHES.
Claims use since Jan. 31, 1906.

Ser. No. 528,356. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn. Filed July 11, 1947. Under section 2f of the act of 1946.

MOLINE

The lining in the drawing indicates the color yellow. Applicant claims ownership of registrations Nos. 139,462 and 220,220.
FOR AGRICULTURAL MACHINERY—NAMELY, TRACTOR AND HORSE DRAWN MOLDBOARD AND DISK PLOWS, CULTIVATORS, PLANTERS, PLANTING ATTACHMENTS FOR TRACTOR MOUNTED PLOWS, HARROWS, WEEDERS, HAY RAKES AND LOADERS, LISTERS, ROTARY HOES AND MANURE SPREADERS.
Claims use since 1907.

Ser. No. 531,635. VAUGHAN NOVELTY MFG. CO., Chicago, Ill. Filed Aug. 16, 1947.

VALACO

FOR CAN OPENERS.
Claims use since Aug. 8, 1947.

Ser. No. 535,814. CONTRACTORS MACHINERY COMPANY, INC., Batavia, N. Y. Filed Sept. 26, 1947.

TROJAN

FOR ROAD CONSTRUCTION AND MAINTENANCE MACHINERY AND EARTH MOVING MACHINERY—NAMELY, GRADERS, BULLDOZERS, ANGLEDOZERS, AND SNOW PLOWS.
Claims use since 1930.

Ser. No. 535,815. CONTRACTORS MACHINERY COMPANY, INC., Batavia, N. Y. Filed Sept. 26, 1947.



FOR ROAD CONSTRUCTION AND MAINTENANCE MACHINERY AND EARTH MOVING MACHINERY—NAMELY, GRADERS, BULLDOZERS, ANGLEDOZERS, AND SNOW PLOWS.
Claims use since 1930.

Ser. No. 541,724. POTTER AND JOHNSTON MACHINE COMPANY, Pawtucket, R. I., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey. Filed Aug. 8, 1947.

POTTER & JOHNSTON

Applicant claims ownership of registration No. 388,498.
FOR MACHINE TOOLS, PARTICULARLY AUTOMATIC CHUCKING AND TURNING MACHINES AND PARTS THEREOF INCLUDING TOOLS AND TOOL HOLDERS THEREFOR.
Claims use since Dec. 15, 1898.

CLASS 25

LOCKS AND SAFES

Ser. No. 536,289. REESE PADLOCK COMPANY, Lancaster, Pa. Filed Sept. 30, 1947. Under section 2f of the act of 1946.

REESE

Applicant claims ownership of registration No. 224,771.
FOR PADLOCKS.
Claims use since Apr. 1, 1924.

Ser. No. 538,217. THE YALE & TOWNE MANUFACTURING CO., New York, N. Y. Filed Oct. 17, 1947. Under section 2f of the act of 1946.

BARROWS

FOR LOCKS AND KEYS.
Claims use since 1880.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 529,536. THE AETNA CASUALTY AND SURETY COMPANY, Hartford, Conn. Filed July 26, 1947.

DRIVORAMA

FOR APPARATUS TO TEST THE COMPETENCE OF AN AUTOMOBILE DRIVER THROUGH HIS OPERATION, BY USING A FULL-SIZE AUTOMOBILE STEERING WHEEL, FOOT-BRAKE AND ACCELERATOR, OF A MINIATURE MODEL AUTOMOBILE UPON A PANORAMA DEPICTING TYPICAL HIGHWAY TRAFFIC AND ON WHICH MINIATURE MODELS OF PERSONS AND VEHICLES ARE IN MOTION.
Claims use since January 1941.

Ser. No. 529,537. THE AETNA CASUALTY AND SURETY COMPANY, Hartford, Conn. Filed July 26, 1947.

DRIVEROMETER

FOR APPARATUS TO MEASURE THE TIME TAKEN BY AN AUTOMOBILE DRIVER TO RESPOND (1) MENTALLY AND (2) PHYSICALLY TO EVIDENCE OF IMMINENT PERSONAL PERIL, DENOTED VISUALLY BY THE PROJECTION ON A SCREEN OF MOTION PICTURES OF HIGHWAY TRAFFIC CONDITIONS AS THEY WOULD APPEAR TO AN AUTOMOBILE DRIVER.
Claims use since March 1947.

Ser. No. 529,538. THE AETNA CASUALTY AND SURETY COMPANY, Hartford, Conn. Filed July 26, 1947.

PERIOMETER

FOR APPARATUS TO MEASURE THE PERIPHERAL VISION OF AN AUTOMOBILE DRIVER BY RECORDING HIS ABILITY TO RECOGNIZE MOVING FIGURES STATIONED AT VARYING DEGREES TO EACH SIDE OF THE DIRECTION IN WHICH HE IS FACING.
Claims use since December 1938.

Ser. No. 529,539. THE AETNA CASUALTY AND SURETY COMPANY, Hartford, Conn. Filed July 26, 1947.

GLAROMETER

FOR APPARATUS TO MEASURE AN AUTOMOBILE DRIVER'S RESISTANCE TO AUTOMOBILE HEADLIGHT GLARE BY RECORDING HIS ABILITY TO STEER A SIMULATED AUTOMOBILE ALONG A SIMULATED CURVED HIGHWAY IN THE FACE OF VARYING INTENSITIES OF LIGHT.
Claims use since January 1936.

Ser. No. 529,578. BELL & HOWELL COMPANY, Chicago, Ill. Filed July 26, 1947. Under section 2f of the act of 1946.

AUTO LOAD

FOR PHOTOGRAPHIC CAMERAS.
Claims use since July 27, 1940.

Ser. No. 529,694. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio. Filed July 26, 1947. Under section 2f of the act of 1946.

EYE-HYE

FOR LIQUID LEVEL GAUGES AND INDICATORS, PARTS AND FITTINGS THEREOF.
Claims use since Sept. 10, 1936.

Ser. No. 529,700. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio. Filed July 26, 1947. Under section 2f of the act of 1946.

Micasight

FOR LIQUID LEVEL GAUGES AND INDICATORS, PARTS AND FITTINGS THEREOF.
Claims use since Jan. 23 1931.

Ser. No. 534,887. FEE & STEMWEDEL, INC., Chicago, Ill. Filed Sept. 18, 1947.

Trojan

FOR SPORT GLASSES, BINOCULARS, FIELD GLASSES, SPY GLASSES, AND OPERA GLASSES.
Claims use since 1936.

Ser. No. 538,300. LOUIS LEVIN AND SON, INC., Los Angeles, Calif. Filed Oct. 18, 1947. Under section 2f of the act of 1946.

LEVIN

FOR DEPTH MICROMETERS, JEWEL HOLE GAGES, AND OIL WELL SURVEYING INSTRUMENTS FOR THE PURPOSE OF DETERMINING THE DIRECTION OF THE DRILL FOR THE HOLE IN THE WELL.
Claims use since 1922.

Ser. No. 540,993. GOLDE MANUFACTURING CO., Chicago, Ill. Filed Nov. 13, 1947.

AIR-FLO STEREOPTON

No claim is made to the words "Air-Flo" apart from the mark as shown. Applicant claims ownership of registration No. 438,414.
FOR SLIDE PROJECTORS.
Claims use since June 15, 1947.

Ser. No. 542,713. UNITED WORLD FILMS, INC., New York, N. Y. Filed Oct. 1, 1947.

MUSIC ALBUM

Applicant disclaims the use of the word "Music" except as a part of the mark. Applicant claims ownership of registration No. 429,858.
FOR SOUND MOTION PICTURES.
Claims use since 1946.

Ser. No. 544,631. UNITED WORLD FILMS, INC., New York, N. Y. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

CASTLE FILMS

The word "Films" is disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 188,963, 312,652, 323,756, and 398,909.
FOR MOTION PICTURE FILMS.
Claims use since 1933.

Ser. No. 544,632. UNITED WORLD FILMS, INC., New York, N. Y. Filed Oct. 1, 1947.

CASTLE FILMS

The word "Films" is disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 188,963, 323,756, and 398,909.

FOR MOTION PICTURE FILMS.

Claims use since 1933.

Ser. No. 544,639. UNITED WORLD FILMS, INC., New York, N. Y. Filed Oct. 7, 1947. Under section 2f of the act of 1946.

CASTLE FILMS

The word "Films" is disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 188,963, 312,652, 323,756, and 398,909.

FOR MOTION PICTURE FILMS.

Claims use since 1923.

Ser. No. 546,336. THE SERVICE RECORDER COMPANY, Cleveland, Ohio. Filed Oct. 17, 1947. Under section 2f of the act of 1946.

THE SERVIS RECORDER

The word "Recorder" is disclaimed apart from the mark. Applicant claims ownership of registration No. 141,806.

FOR INSTRUMENTS FOR RECORDING THE PERIODS OF OPERATION AND REST OF MACHINERY AND OF REST OF MACHINERY AND VEHICLES, ELECTRIC MOTORS, DOORS, ELECTRICALLY OPERATED DEVICES, SUCH AS WELDERS AND THE LIKE.

Claims use since June 1912.

Ser. No. 549,080. THE MAGNA CO., St. Louis, Mo. Filed Feb. 7, 1948.

The 400

FOR FRAMES FOR EYEGLASSES.

Claims use since Jan. 20, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 553,010. NORTHWESTERN JEWELRY CO., INC., St. Paul, Minn. Filed Mar. 25, 1948.

EMPRESS

FOR JEWELRY—NAMELY, NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, BROOCHES, LOCKETS, CROSSES, LAVALIERS, ORNAMENTAL PINS, COSTUME JEWELRY, AND JEWELRY FOR MEN—NAMELY, TIE CLIPS AND BARS, CUFF LINKS, AND WATCH CHAINS.

Claims use since June 1, 1942.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 528,771. CHINA & GLASS DISTRIBUTORS, INC., New York, N. Y. Filed July 17, 1947.

FOR CHINAWARE, POTTERY, CROCKERY, PORCELAINS AND COMBINATIONS OF THE SAME—NAMELY, TEAPOTS, SUGAR BOWLS, CREAMERS, PITCHERS, RELISH TRAYS, VASES, COMPARTMENT PLATES AND JUGS.

Claims use since Dec. 30, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 506,319. INTERSTATE ENGINEERING CORPORATION, El Segundo, Calif. Filed Aug. 9, 1947.

REVELATION

Applicant claims ownership of registration No. 288,002.

FOR ELECTRIC WATER COOLERS.

Claims use since Oct. 1, 1940.

Ser. No. 513,282. THE WARREN COMPANY, INC., Atlanta, Ga. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

WARREN

FOR COMMERCIAL REFRIGERATORS—NAMELY, DISPLAY AND STORAGE CASES, REFRIGERATED SERVICE BARS, REACH-IN REFRIGERATORS, DAIRY REFRIGERATORS, FROZEN FOOD REFRIGERATORS, AND FLORAL REFRIGERATORS.

Claims use since July 1, 1922.

Ser. No. 522,616. WEBER SHOWCASE & FIXTURE CO., INC., Los Angeles, Calif. Filed Aug. 20, 1947.

FROZ-EL

Applicant disclaims "Froz" apart from the mark as shown. Applicant claims ownership of registration No. 260,129.

FOR REFRIGERATED DISPLAY CASES.

Claims use since Feb. 1, 1926.

Ser. No. 524,053. BORG-WARNER CORPORATION, Chicago, Ill. Filed July 30, 1947.

WATER BOY

Applicant disclaims use of the word "Water" except as shown. Applicant claims ownership of registration No. 285,077.

FOR WATER COOLERS AND PARTS THEREOF—NAMELY, THE CABINET AND THE COOLING APPARATUS SPECIFICALLY APPLICABLE TO THIS TYPE OF DEVICE.

Claims use since Jan. 10, 1947.

Ser. No. 527,842. SPARKLER MFG. CO., Mundelein, Ill. Filed July 5, 1947.

SPARKLER

Applicant claims ownership of registration No. 258,890.

FOR DOMESTIC AND INDUSTRIAL FILTERS FOR LIQUIDS, AND PARTS THEREOF.

Claims use since Jan. 11, 1929.

Ser. No. 528,266. ENZINGER UNION CORPORATION, Angola, N. Y. Filed July 10, 1947. Under section 2f of the act of 1946.

ENZINGER

FOR FILTERS EMPLOYING A FILTERMASS OF COTTON OR OTHER FIBROUS MATERIAL, DIATOMACEOUS EARTH OR THE LIKE—NAMELY, LIQUID FILTERS, AIR AND GAS FILTERS AND SLURRY FILTERS; SURFACE, DOUBLE-PIPE, AND MULTI-PIPE BEER COOLERS EMPLOYING LIQUID COOLANTS.

Claims use since 1903.

Ser. No. 529,358. CHICAGO ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed July 24, 1947.

SILVER QUEEN

FOR ELECTRIC ICE CREAM FREEZERS.

Claims use since 1935.

Ser. No. 532,925. GIBSON REFRIGERATOR COMPANY, Greenville, Mich. Filed Aug. 30, 1947.

GOOD HOUSEKEEPING

FOR REFRIGERATORS.

Claims use since Jan. 14, 1926.

Ser. No. 534,092. CORY CORPORATION, Chicago, Ill. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

CORY GLASS FILTER ROD

The words "Glass Filter Rod" are disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 331,919 and 425,394.

FOR COFFEE BREWER FILTERS MADE OF GLASS.

Claims use since Aug. 24, 1938.

Ser. No. 534,522. EBCO MANUFACTURING COMPANY, Columbus, Ohio, assignor to The Ebco Manufacturing Company, Columbus, Ohio, a corporation of Ohio. Filed Sept. 15, 1947.

OASIS

The linings and stipplings are for shading purposes only, and are not intended as a claim to any particular color. Applicant claims ownership of registration No. 416,771.

FOR WATER COOLING APPARATUS HAVING ELECTRICALLY POWERED REFRIGERATING UNITS.

Claims use since Aug. 4, 1941, as to the word "Oasis"; and since June 14, 1946, as to the composite mark.

Ser. No. 538,709. W. & R. BALSTON, LIMITED, Kent, England. Filed Oct. 23, 1947. Under section 2f of the act of 1946.

WHATMAN

FOR FOLDED FILTER PAPERS.

Claims use since Dec. 31, 1917.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 501,882. SUN-GLOW INDUSTRIES, INC., Mansfield, Ohio. Filed Sept. 11, 1947.

SUN-GLOW

Applicant claims ownership of registrations Nos. 371,867 and 302,554.

FOR BEDROOM SUITES, BUNK BEDS, ODD BEDS, KNEEHOLE DESKS, SECRETARY DESK CHESTS, DESK CHESTS, BOOKCASES, PIER CABINETS, DINETTE SUITES, CEDAR LINED CHESTS, WARDROBES, BENCHES, NITE STANDS, SEWING CABINETS, SMOKING CABINETS, RECORD CABINETS, COMMODES, MAPLE LIVING ROOM SUITES, TELEPHONE SETS EACH CONSISTING OF A CHAIR AND A TABLE, MAGAZINE RACKS, UTILITY TABLES, RADIO TABLES, DROPLEAF TABLES, LAMP TABLES, COCKTAIL TABLES, COFFEE TABLES, OCCASIONAL TABLES, END TABLES, HEADBOARDS, CREDENZA BOOKCASE, INNER SPRING MATTRESSES, FELT MATTRESSES, BOX SPRINGS, SOFA BEDS, HOLLYWOOD BED OUTFITS, CRIB PADS.

Claims use since Jan. 15, 1946.

Ser. No. 517,933. THE TECHNICON CO., New York, N. Y. Filed Aug. 28, 1947.

THE TECHNICON CO.

No claim is made to the abbreviation "Co." Applicant claims ownership of registration No. 407,208.

FOR FILING CABINETS USED IN FILING MICROSLIDES AND CARDS.

Claims use since June 1939.

Ser. No. 531,130. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

HETTRICK

FOR GLIDERS, CHAIRS, AND TABLES, ALL IN THE NATURE OF FURNITURE, AND HASSOCKS AND COUCH HAMMOCKS.

Claims use since November 1937.

Ser. No. 534,480. CARL J. SPECHT, doing business as Carol-Line Products Company, Columbus, Ohio. Filed Sept. 13, 1947.

CAROL-LINE

No claim is made to the word "Line" apart from the mark as shown.

FOR PORTABLE LAP BOARDS AND KNEE DESKS.

Claims use since July 7, 1947.

Ser. No. 536,795. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

ZENITH

FOR WINDOW SHADES.

Claims use since 1936.

Ser. No. 537,771. LULLABYE FURNITURE CORPORATION, Stevens Point, Wis. Filed Oct. 9, 1947.

LULLABYE

Applicant claims ownership of registration No. 99,534.

FOR FURNITURE, PARTICULARLY FOR INFANTS AND CHILDREN—NAMELY, CRIBS, CHIFFOROBES, COSTUMERS, LAYETTE CHESTS FOR STORAGE OF BABY GARMENTS, ETC., TOY CHESTS, YOUTH BEDS, CHEST OF DRAWERS, VANITIES, BOOKCASES, BED STEPS, CHAIRS OF A SIZE FOR MOTHERS, SCREENS, NURSERY CHAIRS, CHEST DESK COMBINATIONS, DRESSERS, NIGHT STANDS, BASSINETS AND CHEST ON CHESTS.

Claims use since Apr. 4, 1913, as to "Lullabye"; and since May 15, 1931, in the form shown.

Ser. No. 545,077. CAVALIER CORPORATION, Chattanooga, Tenn. Filed Dec. 22, 1947.

Dress- away

FOR COMBINATION DRESSER AND CHEST.

Claims use since Oct. 1, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 547,992. INSTITUTE OF GAS HEATING INDUSTRIES, Los Angeles, Calif. Filed Jan. 26, 1948. COLLECTIVE MARK.



FOR GAS HEATING EQUIPMENT OR APPARATUS MANUFACTURED, DISTRIBUTED, WHOLESALED, RETAILED OR INSTALLED BY FIRMS OR ORGANIZATIONS BELONGING TO THE INSTITUTE OF GAS HEATING INDUSTRIES.

Claims use since September 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 547,251. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Jan. 16, 1948.



No claim is made to the word "Grip" apart from the mark. Applicant claims ownership of registration No. 283,266.

FOR AUTOMOBILE TIRE TREADS AND CAMELBACK.

Claims use since Aug. 18, 1947.

Ser. No. 554,835. STOWE-WOODWARD, INC., Newton Upper Falls, Mass. Filed Apr. 16, 1948.

TANNITE

FOR DECKLE STRAPS.

Claims use since July 15, 1923.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 511,539. C. G. CONN, LTD., Elkhart, Ind. Filed July 11, 1947.

ZENJIAN

FOR CYMBALS.

Claims use since 1925.

Ser. No. 541,320. MUS-ED RECORD CO., San Francisco, Calif. Filed Nov. 15 1947.



The drawing is lined for shading only.

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.

Claims use since Aug. 1, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 531,449. DETROIT SULPHITE PULP & PAPER COMPANY, Detroit, Mich. Filed Aug. 15, 1947.

Mitschfibre

Applicant claims ownership of registration No. 74,339.

FOR TAG BOARDS, BRISTOL BOARDS, AND WRAPPING PAPERS.

Claims use since Nov. 1, 1907.

Ser. No. 535,628. C. B. RUDOLPH, INC., Philadelphia, Pa. Filed Sept. 24, 1947.

DEPTIK

FOR BANK DEPOSIT FORMS.

Claims use since Aug. 21, 1947.

Ser. No. 536,015. SWIGART PAPER COMPANY, Chicago, Ill. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

SWIGARTS

FOR PAPER—NAMELY, BOND PAPERS, COATED PAPERS, TEXT PAPERS, BOOK PAPERS, COVER PAPERS, MIMEOGRAPH PAPERS, LEDGER PAPERS, INDEX BRISTOLS, MILL BRISTOLS WEDDING BRISTOLS, ANNOUNCEMENTS, THIN VISITING CARDS, COATED AND UNCOATED POST CARDS, COATED BLANKS, PLAIN MILL BLANKS, THIN PAPERS, ONION SKINS, MANIFOLD PAPERS, SECOND SHEETS, GUMMED PAPERS IN SHEETS, BLOTTING PAPERS, DOCUMENT MANILAS, TYMPAN PAPER, AND DIE WIPE PAPERS.

Claims use since 1898.

Ser. No. 536,018. SWIGART PAPER COMPANY, Chicago, Ill. Filed Sept. 27, 1947. Under section 2f of tht act of 1946.

MONROE

FOR SHEET PAPER—NAMELY, DOCUMENT PAPERS.

Claims use since 1914.

Ser. No. 536,525. HORDER'S, INCORPORATED, Chicago, Ill. Filed Oct. 2, 1947. Under section 2f of the act of 1946.

TUFCRAFT

FOR WRAPPING PAPER.

Claims use since January 1932.

Ser. No. 537,130. BEACH PUBLISHING COMPANY, Detroit, Mich. Filed Oct. 8, 1947.

"COMMON SENSE"

Applicant claims ownership of registration No. 160,386.

FOR TRAVELER'S EXPENSE BOOKS.

Claims use since Jan. 1, 1892.

Ser. No. 537,256. WARD PAPER COMPANY, Merrill, Wis. Filed Oct. 8, 1947.

DENTA-DISC

No claim is made to the word "Disc" apart from the mark.
FOR DISPOSABLE PAPER COVERS FOR DENTIST'S TRAYS.
Claims use since July 22, 1947.

Ser. No. 537,450. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

Queensbury

Applicant claims ownership of registration No. 392,693.
FOR TOILET AND FACIAL TISSUE.
Claims use since Nov. 9, 1940.

Ser. No. 537,967. RICHARD BEST PENCIL COMPANY, INC. Springfield, N. J. Filed Oct. 16, 1947.

YELLOWSTONE

Applicant claims ownership of registration No. 285,321.
FOR LEAD PENCILS.
Claims use since 1907.

Ser. No. 543,165. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Dec. 3, 1947.

Palmer

FOR TOILET PAPER.
Claims use since May 15, 1936.

Ser. No. 543,166. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Dec. 3, 1947.

PAPERLUX

FOR TOILET PAPER.
Claims use since June 27, 1938.

Ser. No. 543,167. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Dec. 3, 1947.

Pom

FOR TOILET PAPER.
Claims use since Oct. 9, 1940.

Ser. No. 543,169. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Dec. 3, 1947.

TIDYNAPS

FOR PAPER NAPKINS.
Claims use since June 18, 1934.

Ser. No. 543,555. ZATOR COMPANY, Cambridge, Mass. Filed Dec. 5, 1947.

ZATOR

FOR CARDS USED IN FILING.
Claims use since June 17, 1947.

Ser. No. 543,602. HAAS BROTHERS, San Francisco, Calif. Filed Dec. 6, 1947.

Sanipure

Applicant claims ownership of registration No. 259,388.
FOR WAX PAPER AND TOILET PAPER.
Claims use since Feb. 5, 1929.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 502,409. SELAVISION COMPANY, Greensboro, N. C. Filed Jan. 16, 1948.

SELAVISION

FOR SALES PRESENTATIONS IN BOOK OR PAMPHLET FORM.
Claims use since 1935.

Ser. No. 533,312. CATHERINE A. HOWARD, Cambridge, Mass. Filed Sept. 4, 1947.

Living Leaders

FOR SETS OF PICTURES WITH BIOGRAPHIES AND AN ACCOMPANYING HISTORY.
Claims use since June 26, 1946.

Ser. No. 536,033. AMERICAN SOCIETY OF TOOL ENGINEERS, Detroit, Mich. Filed Sept. 29, 1947. COLLECTIVE MARK.

ASTE

FOR PUBLICITY, ADVERTISING AND PROMOTION BROCHURES AND CIRCULARS; CERTIFICATES AND DUES CARDS; AND THE OFFICIAL PUBLICATION OF THE ASSOCIATION SOLD AS SUCH TO THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS.
Claims use since Apr. 1, 1932.

Ser. No. 541,774. THE STECK COMPANY, Austin, Tex. Filed July 26, 1947.

AEROLOG

Applicant claims ownership of registration No. 419,608.
FOR DIRECTORY, ISSUED ANNUALLY, OF AIRCRAFT ENGINE AND PROPELLER PARTS FOR THE AIRCRAFT INDUSTRY, PRICING GUIDE FOR USED AIRCRAFT AND PARTS AND AIRCRAFT SERVICE MANUALS.
Claims use since Feb. 27, 1945.

Ser. No. 547,232. THE CANNER PUBLISHING COMPANY, Chicago, Ill. Filed Jan. 16, 1948.

The CANNER

Applicant claims ownership of registration No. 281,935.
FOR PERIODICAL.
Claims use since December 1904.

Ser. No. 548,210. AMERICAN BOYS' COMICS, INC., New York, N. Y., assignor to Headline Publications, Inc., New York, N. Y., a corporation of New York. Filed Jan. 26, 1948.

GLANCE

FOR PERIODICAL PUBLICATION IN THE NATURE OF A PICTURE MAGAZINE.
Claims use since Jan. 9, 1948.

CLASS 39

CLOTHING

Ser. No. 517,636. HOWARD H. HANLON, INC., Seattle, Wash., by change of name from Hanlon-Shortall Company, Inc. Filed Dec. 2, 1947.

Shorlon

FOR WOMEN'S HATS.
Claims use since Aug. 6, 1932.

Ser. No. 519,823. DAVID O. KRUGER, doing business as Kruger Surgical Company, Los Angeles, Calif. Filed Mar. 8, 1948.

DAVOK

FOR CORSETS.
Claims use since Aug. 27, 1946.

Ser. No. 523,489. SAMUEL R. TEDOFF, doing business as Glenmore Novelty Co., Inc., Brooklyn, N. Y. Filed Apr. 21, 1948.

"Snap 'r-all"

No claim is made to the word "Snap" apart from the mark as shown.
FOR INFANTS' AND CHILDREN'S SUITS, OVERALLS, AND BOYS' SUITS, CRAWLERS, SHORTS AND ROBES, ALL FOR CHILDREN'S WEAR.
Claims use since May 10, 1947.

Ser. No. 527,048. JOSEPH A. AYOUB, doing business as Blou-Slip Co., San Francisco, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.

Blou-Slip

The word "Slip" is disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 409,403, 420,978, and 421,896.
FOR BLOUSES, SLIPS, AND COMBINATION HALF-SLIPS AND BLOUSES FOR WOMEN AND GIRLS.
Claims use since May 15, 1941.

Ser. No. 527,982. REAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed July 5, 1947.

"EEZIES"

FOR MEN'S LEATHER SANDALS.
Claims use since September 1946.

Ser. No. 529,031. GOOD LUCK GLOVE COMPANY, Carbondale, Ill. Filed July 21, 1947.

RUFF-N-REDDY

FOR FABRIC WORK GLOVES.
Claims use since August 1932.

Ser. No. 531,539. SUTTON SHIRT CORP., New York, N. Y. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

McCoy

Applicant claims ownership of registration No. 368,536.
FOR MEN'S OUTER SHIRTS AND SPORT SHIRTS.
Claims use since Jan. 2, 1938.

Ser. No. 536,610. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

BANG-UP

FOR WORK GLOVES MADE OF FABRIC, AND LEATHER AND FABRIC COMBINATIONS.
Claims use since Jan. 16, 1939.

Ser. No. 536,614. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind. Filed Oct. 3, 1947.

WHIZ BANG

FOR WORK GLOVES MADE OF FABRIC, AND LEATHER AND FABRIC COMBINATIONS.
Claims use since Jan. 16, 1939.

Ser. No. 536,618. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

"OLD RELIABLE"

FOR FABRIC WORK GLOVES.
Claims use since Feb. 4, 1935.

Ser. No. 540,276. GRACE CORSET COMPANY, Kalamazoo, Mich. Filed Nov. 6, 1947.

Madame Grace
GRACEFULETTES

Applicant claims ownership of registrations Nos. 74,504 and 316,608.
FOR CORSETS.
Claims use since Apr. 1, 1924.

Ser. No. 547,222. ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed Jan. 16, 1948.

Corsees

Applicant claims ownership of registration No. 375,525.
FOR GIRDLES, CORSETS, AND BRASSIÈRES, AND COMBINATIONS THEREOF.
Claims use since May 24, 1939.

Ser. No. 560,747. ANGELUS SOUVENIR & MFG. CO., Los Angeles, Calif. Filed July 6, 1948.

Ruff'n Ready

FOR CHILDREN'S COWBOY CLOTHING—NAMELY, VESTS, CHAPS, CUFFS, AND BELTS.
Claims use since Jan. 1, 1931.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 509,744. UNITED LACE & BRAID COMPANY, Cranston, R. I. Filed Feb. 4, 1948. Under section 2f of the act of 1946.

Amba Tip

No claim is made to the word "Tip" apart from the mark as shown.
FOR SHOE LACES AND CORSET LACES.
Claims use since August 1928.

Ser. No. 523,133. SHAWNEE POTTERY COMPANY, Zanesville, Ohio. Filed Dec. 8, 1947.



No claim is made to the words "Darn-Aide" apart from the mark.
FOR CERAMIC SOCK DARNERS.
Claims use since Feb. 1, 1947.

Ser. No. 539,736. PARKER BROS., New York, N. Y. Filed Oct. 31, 1947.

HONEY-COMB

The word "Comb" is disclaimed apart from the mark.
FOR COMBS.
Claims use since Feb. 21, 1947.

Ser. No. 544,400. THE SCULPTURE CURLER COMPANY, INC., Berkeley, Calif. Filed Dec. 15, 1947.

Sculpture

FOR NON-ELECTRIC HAIR CURLERS.
Claims use since Feb. 18, 1946.

Ser. No. 550,485. CEREAL SOAPS COMPANY, INC., New York, N. Y. Filed Feb. 25, 1948.

Derbac Comb

The word "Comb" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 199,534.
FOR COMBS.
Claims use since September 1920 as to "Derbac"; and since 1940 for the entire mark.

Ser. No. 552,416. BERNHARD ULMANN CO. INC., Long Island City, N. Y. Filed Mar. 19, 1948.

WONDER-WEAVE

Applicant disclaims the word "Weave" per se. Applicant claims ownership of registrations Nos. 317,721, 317,722, 326,171, and 430,417.
FOR FABRICS STAMPED WITH DESIGNS FOR ART NEEDLEWORK.
Claims use since Sept. 25, 1940.

Ser. No. 555,756. KIRBY, BEARD & CO. LTD., Birmingham, England. Filed Apr. 28, 1948.



Applicant claims ownership of registrations Nos. 172,449 and 172,457.
FOR PINS AND HAIRPINS OF NON-PRECIOUS METALS.
Claims use since July 22, 1841.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 504,070. ROOSEN SILKS LIMITED, London, England. Filed June 10, 1948.

Roosen

Applicant claims ownership of English registration No. B. 634,680, dated Jan. 31, 1945.
FOR PIECE GOODS OF SILK, RAYON, WOOL, COTTON, AND OF VARIOUS MIXTURES THEREOF.

Ser. No. 506,148. THE VISKING CORPORATION, Chicago, Ill. Filed Oct. 27, 1947.

VISKON

FOR NONWOVEN FABRICS IN ROLLS AND CUT TO SIZE PIECES AND MADE OF UNSPUN SYNTHETIC FIBERS, COTTON OR MIXTURES THEREOF AND UNIFIED BY BONDING THE FIBERS IN PLACE.
Claims use since Nov. 29, 1945.

Ser. No. 512,942. WELLINGTON SEARS COMPANY, New York, N. Y. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

TARLAC

FOR COTTON PIECE GOODS.
Claims use since Jan. 1, 1939.

Ser. No. 531,714. THE L. B. PRICE MERCANTILE COMPANY, St. Louis, Mo. Filed Aug. 18, 1947. Under section 2f of the act of 1946.

PERFECTION

FOR BLANKETS.
Claims use since Jan. 5, 1915.

Ser. No. 537,584. S. HANDAL & SONS, INC., New York, N. Y. Filed Oct. 11, 1947.



The picture of the lady is purely fanciful. Applicant disclaims the word "Cotton" separately from the mark as shown.
FOR COTTON PIECE GOODS.
Claims use since Sept. 25, 1947.

Ser. No. 543,126. CROMPTON COMPANY, Crompton, R. I. Filed Dec. 3, 1947.

SCOTTIE

Applicant claims ownership of registration No. 358,931.
FOR FABRICS IN THE PIECE COMPOSED OF COTTON, SILK, RAYON, NYLON, AND PROTEIN FIBERS.
Claims use since Feb. 9. 1938.

Ser. No. 544,884. KUHN, BLUM & CO., INC., Philadelphia, Pa. Filed Dec. 19, 1947.

Stratford

FOR WINDOW CURTAINS, BEDSPREADS, PILLOW SHAMS, AND VANITY SKIRTS.
Claims use since Sept. 15, 1947.

Ser. No. 544,905. PASSAIC PIECE DYE WORKS, Passaic, N. J., now by change of name Hollywood Piece Dye Works, Inc., a corporation of New Jersey. Filed Dec. 19, 1947.

PERMASPUN

FOR CREASE-RESISTANT FABRICS WOVEN OF SPUN RAYON AND WOOL AND SPUN RAYON AND ACETATE.
Claims use since June 1947.

Ser. No. 546,454. AMERICAN SILK MILLS, INC., New York, N. Y. Filed Jan. 8, 1948.



The word "Mill" and the representation of the goods are disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 435,223.
FOR TEXTILE PIECE GOODS—SILK, RAYON, OR NYLON.
Claims use since Dec. 8, 1947.

Ser. No. 547,165. STEVENSON & SON, LTD., Dungannon, Ireland. Filed Jan. 15, 1948.

"NON KRUSH"



No claim is made to the exclusive use of the words "Non Krush" apart from the mark as shown. Applicant claims ownership of British registration No. 87,122.
FOR LINEN PIECE GOODS.
Claims use since Nov. 17, 1909.

Ser. No. 549,104. AMERICAN SILK MILLS INC., New York, N. Y. Filed Feb. 9, 1948.

peek-a-bouclé

The word "Bouclé" is disclaimed apart from the mark as shown.
FOR TEXTILE PIECE GOODS OF RAYON.
Claims use since Dec. 26, 1947.

Ser. No. 551,296. H. T. MILLER COMPANY, New York, N. Y. Filed Mar. 5, 1948.

HARMIL

FOR FABRICS IN THE PIECE, OF COTTON, RAYON, AND MIXTURES THEREOF.
Claims use since July 31, 1946.

Ser. No. 557,442. DUMOND LINEN CORPORATION, New York, N. Y. Filed May 20, 1948.

A
BEDTIME STORY

FOR PILLOW SLIPS.
Claims use since Mar. 25, 1948.

Ser. No. 557,443. DUMOND LINEN CORPORATION, New York, N. Y. Filed May 20, 1948.

DLC

FOR PILLOW SLIPS.
Claims use since Mar. 25, 1948.

Ser. No. 557,477. TOOTAL BROADHURST LEE CO. LIMITED, Manchester 1, England. Filed May 20, 1948.

ZAMPA

Applicant claims ownership of English registration No. 134,436, dated Dec. 2, 1925.
FOR COTTON PIECE GOODS.

Ser. No. 557,971. "STRIGA" AKTIENGESELLSCHAFT FUR MODERNE STRICKGARNE, Basel, Switzerland. Filed May 27, 1948.

striga

Applicant claims ownership of Swiss registration No. 82,190.
FOR TAPESTRY.

CLASS 43
THREAD AND YARN

Ser. No. 546,207. EVERFAST FABRICS, INC., New York, N. Y. Filed Jan. 5, 1948. Under section 2f of the act of 1946.

Everfast

Applicant claims ownership of registration No. 170,970.
FOR COTTON YARNS.
Claims use since May 25, 1922.

CLASS 44
DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 527,043. H. HERSCHEL LEITER, doing business as Depuy Manufacturing Company, Warsaw, Ind. Filed July 5, 1947. Under section 2f of the act of 1946.

De Puy

Applicant claims ownership of registration No. 182,861.
FOR FRACTURE APPLIANCES—NAMELY, CERVICAL COLLARS, FRACTURE SPLINTS (ARM AND LEG), HYPEREXTENSION FRAMES, LEG FRAMES, BONE INSTRUMENTS, BONE PLATES, FRACTURE TABLES, BONE DRILLS, WIRE CUTTERS, BENDING IRONS, OVERHEAD FRAMES FOR BEDS AND PLASTER CUTTERS.
Claims use since 1903.

Ser. No. 527,218. ARTHUR E. SMITH, Los Angeles, Calif. Filed July 5, 1947.

Conducto

Applicant claims ownership of registration No. 388,332.
FOR HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, INSTRUMENTS USED IN THE PRODUCTION OF INTRA-OSSEOUS ANESTHESIA, SURGICAL FORCEPS, INSTRUMENT STERILIZERS, I. E. CONTAINERS ADAPTED TO HOLD INSTRUMENTS WHILE THE SAME ARE BEING STERILIZED, EXTENSIONS FOR HYPODERMIC SYRINGES, ADAPTERS FOR HYPODERMIC SYRINGES AND DISSOLVING CUPS FOR THE PREPARATION OF ANESTHETIC SOLUTIONS.
Claims use since August 1915.

Ser. No. 543,007. THE LIBEL-FLARSHEIM COMPANY, Cincinnati, Ohio. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

Bovie

Applicant claims ownership of registration No. 396,370.
FOR ELECTROSURGICAL MACHINES.
Claims use since Jan. 14, 1928.

Ser. No. 543,242. HERBERT WESTER, doing business as Wester Bros., New York, N. Y. Filed Dec. 3, 1947.

WESTER BROS.

Applicant claims ownership of registration No. 164,569.
FOR NAIL NIPPERS, TOILET TWEEZERS AND MANICURE INSTRUMENTS OF ALL KINDS—NAMELY, CORN KNIVES, CUTICLE KNIVES, CORN CHISELS, NAIL FILES, AND CUTICLE NIPPERS.
Claims use since June 1904.

Ser. No. 548,505. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Jan. 31, 1948.

KETON

FOR DENTAL FLOSS.
Claims use since Sept. 30, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 536,409. DANIEL R. MCCLEERY, Alma, Nebr. Filed Oct. 1, 1947.

Grape Cooler

The word "Grape" is disclaimed apart from the mark as shown.
FOR NONALCOHOLIC MALTLESS SIRUP FOR MAKING SOFT DRINKS.
Claims use since July 10, 1923.

Ser. No. 539,076. WILLIAM PARNESS, doing business as Somm-Cola Bottling Company, New York, N. Y. Filed Oct. 25, 1947.

Somm-Cola

The word "Cola" is hereby disclaimed apart from the mark as shown.
FOR NON-ALCOHOLIC CARBONATED BEVERAGE IN THE NATURE OF A SOFT DRINK.
Claims use since Oct. 10, 1947.

Ser. No. 539,331. THE MATEY COMPANY, INC., New York, N. Y. Filed Oct. 28, 1947.

MATEY

FOR MALTLESS SOFT DRINKS AND BEVERAGE BASES FOR MAKING SAME.
Claims use since Feb. 13, 1947, on soft drink beverage base; and since Feb. 14, 1947 on maltless soft drinks.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 466,023. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif. Filed Aug. 2, 1947.



Applicant claims ownership of registration No. 292,419.
FOR FRESH VEGETABLES—NAMELY, LETTUCE.
Claims use since 1928.

Ser. No. 488,893. LUCIAN F. ELLIS, doing business as Rube's Food Products Company, Los Angeles, Calif. Filed Oct. 6, 1947.

Rube's

FOR PIE CRUST MIX; BISCUIT MIX; GRAVY MIX; EVAPORATED APPLES FOR MAKING APPLESAUCE; CONDIMENTS—NAMELY, SPICES, BAY LEAVES, IMITATION BLACK PEPPER, CHILI POWDER, AND GARLIC; CANDY DECORATIONS FOR CAKES; AND NUT MEATS.
Claims use since Mar. 1, 1943.

Ser. No. 506,035. KLINE'S PREPARED FOODS, INC., Orlando, Fla. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

KLINE'S

FOR PREPARED PIE CRUST MIX.
Claims use since July 19, 1933.

Ser. No. 512,817. A. A. BURNAND, JR., doing business as Burnand & Company, Nogales, Ariz. Filed Aug. 19, 1947.



FOR FRESH TOMATOES.
Claims use since February 1933.

Ser. No. 514,450. THE TORTOLA, San Francisco, Calif. Filed Nov. 13, 1947.

Tortola

FOR TAMALES.
Claims use since 1922.

Ser. No. 516,779. MENTONE HEIGHTS ASSOCIATION, Mentone, Calif. Filed Sept. 16, 1947. COLLECTIVE MARK.

Goldtone

Applicant claims ownership of registration No. 427,014.
FOR FRESH ORANGES.
Claims use since Jan. 22, 1947.

Ser. No. 517,607. BEWLEY MILLS, Fort Worth, Tex. Filed Mar. 31, 1948. Under section 2f of the act of 1946.

BISCUIT BAKER



The representation shown in the trade-mark drawing is fanciful.
FOR WHEAT FLOUR.
Claims use since Jan. 1, 1937.

Ser. No. 518,059. YOUNGSTOWN GRAPE DISTRIBUTORS, INC., Reedley, Calif. Filed Oct. 6, 1947.

Rennie Boy

FOR FRESH GRAPES.
Claims use since Aug. 1, 1946.

Ser. No. 519,228. STANDARD CANDY COMPANY, Nashville, Tenn. Filed Sept. 3, 1947.

GooGoo

FOR CANDIES.
Claims use since January 1920.

Ser. No. 519,767. MATO-MIX, INC., Stockton, Calif. Filed Oct. 13, 1947.

Mato-Mix

No claim is made to the word "Mix" apart from the mark.

FOR CANNED CONCENTRATED PURÉE OF TOMATOES.

Claims use since 1939.

Ser. No. 527,684. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947.

SILVER FROST

Applicant claims ownership of registration No. 222,826.

FOR PROCESSED DEODORIZED EDIBLE VEGETABLE OIL.

Claims use since Mar. 19, 1926.

Ser. No. 528,636. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed July 15, 1947.

National

The shaded background does not represent any particular color.

FOR FOOD STARCHES SOLD IN BULK TO FOOD MANUFACTURERS AS AN INGREDIENT FOR VARIOUS FINISHED FOOD PRODUCTS, SAID STARCHES NOT BEING SOLD DIRECTLY TO THE ULTIMATE CONSUMER.

Claims use since July 25, 1945.

Ser. No. 528,741. THE QUAKER MAID COMPANY, INC., New York, N. Y. Filed July 16, 1947. Under section 2f of the act of 1946.

ANN PAGE

The mark identifies no particular individual. Applicant claims ownership of registrations Nos. 280,575 and 329,728.

FOR KETCHUP; CHILI SAUCE; COCOA; CANNED BEANS—NAMELY, BEANS IN TOMATO SAUCE WITH PORK, BEANS IN TOMATO SAUCE WITHOUT MEAT, BEANS WITH PORK; PEANUT BUTTER; TABLE SYRUP; JELLY—NAMELY, GRAPE, QUINCE, CURRANT AND CRABAPPLE; FOOD FLAVORING EXTRACTS—NAMELY, ORANGE, VANILLA, LEMON AND ALMOND; SPAGHETTI; THIN SPAGHETTI; ELBOW SPAGHETTI; ELBOW MACARONI; VERMICILLI; MACARONI PRODUCT KNOWN AS "SEA SHELLS"; FRUIT PRESERVES—NAMELY, RASPBERRY, PINEAPPLE, PEACH, PLUM, CHERRY, BLACKBERRY, STRAWBERRY AND APRICOT; PREPARED AND SALAD MUSTARD; PLAIN AND STUFFED OLIVES; SALAD DRESSING; SWEET RELISH; CIDER AND WHITE VINEGAR; BAKING POWDER; JAMS—NAMELY, PLUM, BLACK RASPBERRY AND GRAPE; ORANGE MARMALADE; GELATIN; FRENCH DRESSING; THOUSAND ISLAND DRESSING; CANNED TOMATO SOUP; SPICES—NAMELY, GROUND TUMERIC, ALLSPICE, CELERY SALT, CINNAMON, CLOVES, GINGER, MUSTARD, NUTMEG, BLACK PEPPER, WHITE PEPPER, SAGE, RED CAYENNE PEPPER, CHILI SEASONING POWDER, CURRY POWDER, PAPRIKA, MACE, PUMPKIN PIE SPICE AND WHOLE ALLSPICE, BAY LEAVES, CARAWAY SEED, CELERY SEED, WHOLE CINNAMON, WHOLE CLOVES, WHOLE GINGER, MARJORAM LEAVES, MUSTARD SEED, WHOLE NUTMEG, WHOLE BLACK PEPPER, WHOLE WHITE PEPPER, PICKLING SPICE, SAGE LEAVES, SAVORY LEAVES AND THYME LEAVES.

Claims use on ketchup and chili sauce since Apr. 30, 1934; on cocoa since Apr. 25, 1934; on beans since Apr. 28, 1934; on peanut butter since Jan. 27, 1933; on table syrup since Jan. 20, 1933; on jelly since May 15, 1930; on food flavoring extracts, spaghetti and macaroni products since October 1936; on fruit preserves since Dec. 18, 1929; on mustard since February 1937; on olives since June 1937; on salad dressing since January 1937; on sweet relish since Jan. 6, 1941; on vinegar since April 1937; on baking powder since September 1934; on jams since December 1929; on orange marmalade since March 1936; on gelatin since January 1938; on French dressing since October 1938; on Thousand Island dressing since Apr. 7, 1932; on tomato soup since November 1938; and on spices since March 1938.

Ser. No. 529,239. WM. EDRIS CO., also doing business as Dennisons Foods, Seattle, Wash. Filed July 23, 1947. Under section 2f of the act of 1946.

Dennison's

Applicant claims ownership of registration No. 384,039.

FOR CANNED PORK AND BEANS, TOMATO PURÉE, TOMATO CATSUP, TOMATO CHILI SAUCE, AND TOMATO COCKTAIL SAUCE.

Claims use since 1927.

Ser. No. 530,539. MERCKENS CHOCOLATE COMPANY, INC., Buffalo, N. Y. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

MERCKENS

Applicant claims ownership of registrations Nos. 244,492 and 318,660.

FOR CHOCOLATE COATINGS, CHOCOLATE LIQUORS, COCOAPOWDERS, CHOCOLATE RICE, CHOCOLATE BITS, CHOCOLATE GRANULES, CHOCOLATE CRUMBLES, CHOCOLATE PUDDING POWDER, PREPARED COCOAS, AND ALL TYPES OF CHOCOLATE CANDY.

Claims use since Apr. 1, 1921.

Ser. No. 531,522. SEVILLE OLIVE CO., San Francisco, Calif. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

Los Olivos

Applicant claims ownership of registration No. 266,726.

FOR GREEN OLIVES, STUFFED OLIVES, AND COCKTAIL ONIONS.

Claims use since May 1, 1924.

Ser. No. 532,378. TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex. Filed Aug. 25, 1941. COLLECTIVE MARK. Under section 2f of the act of 1946.

Sunsweet

Applicant claims ownership of registration No. 375,156.

FOR FRESH CITRUS FRUITS AND CANNED CITRUS JUICES FOR FOOD PURPOSES.

Claims use since Dec. 15, 1921.

Ser. No. 533,411. THE J. M. SMUCKER CO., Orville, Ohio. Filed Sept. 4, 1947.

EVERY MEAL

Applicant claims ownership of registration No. 221,430.

FOR APPLE BUTTER, JELLIES, AND APRICOT NECTAR FOR FOOD PURPOSES.

Claims use since Jan. 1, 1921.

Ser. No. 534,675. SALINAS MARKETING COÖPERATIVE, Salinas, Calif. Filed Sept. 16, 1947.

green FLYER

No claim is made to the word "Green" apart from the mark.

FOR FRESH VEGETABLES.

Claims use since Apr. 26, 1946.

Ser. No. 534,957. JOHN WAGNER & SONS, Philadelphia, Pa. Filed Sept. 18, 1947.

SALAMANDER

FOR SAUCE, BEING A HIGHLY FLAVORED SHERRY AND PEPPER SEASONING FOR SOUPS, OYSTERS, ETC.

Claims use since 1936.

Ser. No. 534,958. JOHN WAGNER & SONS, Philadelphia, Pa. Filed Sept. 18, 1947.

1847

FOR SAUCE, BEING A VEGETABLE PROTEIN DERIVATION WITH PEPPER AND WINE.

Claims use since 1940.

Ser. No. 535,617. PLANTERS NUT & CHOCOLATE COMPANY, Suffolk, Va., and Wilkes-Barre, Pa. Filed Sept. 24, 1947.



No claim is made to the word "Peanut" or to the representation of a peanut apart from the mark as shown. Applicant claims ownership of registrations Nos. 206,415, 121,818, 327,234, 319,615, and 123,641.

FOR SALTED PEANUTS, PEANUT CANDY, CHOCOLATE COVERED PEANUTS, AND SALTED ASSORTED NUTS, AND PEANUT OIL FOR COOKING PURPOSES.

Claims use since June 1916.

Ser. No. 536,247. EVANS HONEY CO., Los Angeles, Calif. Filed Sept. 30, 1947. Under section 2f of the act of 1946.

VERDUGO

FOR OLIVE OIL, IMITATION VANILLA FLAVORING FOR FOOD PURPOSES, BOTTLED GREEN OLIVES, AND BOTTLED MARASCHINO CHERRIES.

Claims use since May 1, 1941.

Ser. No. 537,461. KRAFT FOODS COMPANY, Chicago, Ill. Filed Oct. 10, 1947.

MOOSE BRAND



No claim is made to the exclusive use of the word "Brand" apart from the mark shown. Applicant claims ownership of registration No. 31,207.
FOR CHEESE.
Claims use since Aug. 25, 1897.

Ser. No. 538,008. WALTER H. JOHNSON CANDY CO., Chicago, Ill. Filed Oct. 16, 1947.

ROGER WILCO

"Roger Wilco" is a fictitious name.
FOR CANDY.
Claims use since Aug. 15, 1947.

Ser. No. 538,605. CAUSSE MANUFACTURING & IMPORTING Co., Bound Brook and Jersey City, N. J. Filed Oct. 22, 1947.

Rosebud



Applicant claims ownership of registrations Nos. 104,989 and 121,143.
FOR GLACE, CRYSTALLIZED AND DRAINED BIGARREAUX AND MARASCHINO CHERRIES; GLACE, CRYSTALLIZED AND DRAINED PINEAPPLE, CITRON PEEL, ORANGE PEEL, LEMON PEEL, GRAPEFRUIT PEEL, GINGER AND PAPAYA; AND GLACE, CRYSTALLIZED AND DRAINED ASSORTED FRUITS, VIZ., KUMQUATS, PLUMS, GREENGAGES, PEARS, PEACHES, FIGS, APRICOTS, CANTALOUPES, AND CITRON MELON.
Claims use since Jan. 1, 1900.

Ser. No. 538,958. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif. Filed Oct. 24, 1947.

AMAZON

FOR FRESH CITRUS FRUITS.
Claims use since 1915.

Ser. No. 544,429. DOYLE PACKING COMPANY, Los Angeles, Calif. Filed Dec. 16, 1947.

FELIX

Applicant claims ownership of registration No. 303,902.
FOR CANNED CAT AND PUPPY FOOD.
Claims use since Jan. 17, 1933.

Ser. No. 544,430. DOYLE PACKING COMPANY, North Kansas City, Mo., and Los Angeles, Calif. Filed Dec. 16, 1947.

HUSKY

Applicant claims ownership of registration No. 287,943.
FOR CANNED DOG FOOD.
Claims use since Apr. 18, 1931.

Ser. No. 544,431. DOYLE PACKING COMPANY, Los Angeles, Calif. Filed Dec. 16, 1947.



Applicant claims ownership of registration No. 324,895.
FOR CANNED DOG AND CAT FOOD.
Claims use since July 1929.

CLASS 47

WINES

G.V.

Ser. No. 539,242. GIOVANNI VAI, doing business as Cucamonga Valley Wine Company, Ontario, Calif. Filed Oct. 27, 1947.

FOR WINES.
Claims use since November 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 528,250. BEVERWYCK BREWERIES, INC., Albany, N. Y. Filed July 10, 1947.

BEVERWYCK
IRISH
BRAND
CREAM ALE

No claim is made to the words "Irish Brand Cream Ale" and the representation of the outline of the label. Applicant claims ownership of registrations Nos. 345,323, 386,531, and 386,532.
FOR ALE.
Claims use since September 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 528,130. NATIONAL DISTILLERIES PRODUCTS CORPORATION, New York, N. Y. Filed July 8, 1947. Under section 2f of the act of 1946.

OLD TAYLOR

Applicant claims ownership of registration No. 53,035.
FOR WHISKEY.
Claims use since Jan. 1, 1887.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 530,377. THE J. R. CLARK COMPANY, Minneapolis, Minn. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

CLARK'S
STEEL-TRUSS

The words "Steel" and "Truss" are disclaimed apart from the mark. Applicant claims ownership of registration No. 312,030.
FOR LADDERS, STEP LADDERS, AND EXTENSION LADDERS.
Claims use since August 1932.

Ser. No. 530,618. BURLINGTON MILLS, INC., Burlington, Wis. Filed Aug. 6, 1947.

Bur-Tex

Applicant claims ownership of registrations Nos. 127,341 and 375,084.
FOR HAIR, WOOL AND JUTE-FELT PRODUCTS SOLD BOTH IN YARDAGE AND CUT PIECES; CANVAS BOAT COVERS; CANVAS MOTOR COVERS; TARPAULINS; PAINTERS' DROP CLOTHS; TRACTOR SEAT COVERS; AND TOOL COVERS.
Claims use since Nov. 11, 1919.

CLASS 55

SERVICES

Ser. No. 527,269. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del. Filed July 5, 1947. SERVICE MARK. Under section 2f of the act of 1946.



The drawing is lined for the color black. The word "Loans" is disclaimed apart from the mark. The claim of distinctiveness is based upon evidence submitted separately in this case.
FOR SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN, AND INSTALMENT CREDIT BUSINESS.
Claims use since June 20, 1947.

Ser. No. 527,271. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del. Filed July 5, 1947. SERVICE MARK. Under section 2f of the act of 1946.



The drawing is lined for the color black. The words "Finance Co." are disclaimed apart from the mark. The claim of distinctiveness is based upon evidence submitted separately in this case.
FOR SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN, AND INSTALMENT CREDIT BUSINESS.
Claims use since June 20, 1947.

Ser. No. 527,394. BUSINESS COLLABORATORS INCORPORATED, St. Louis, Mo. Filed July 5, 1947. SERVICE MARK.

Industrial VISIONEERS

The word "Industrial" is disclaimed apart from the mark.

FOR BUSINESS AND MANAGEMENT PLANNING AND CONSULTATION SERVICES.

Claims use since January 1942.

Ser. No. 529,493. RICHMOND PIECE DYE WORKS, INC., Richmond, Va. Filed July 25, 1947. SERVICE MARK.

C·R·F

The drawing is lined for the color blue.

FOR WASHING, DYEING, AND CREASEPROOFING OF TEXTILE FABRICS IN THE PIECE.

Claims use since Nov. 7, 1946.

Ser. No. 530,753. EDWARD MENDELL CO., INC., New York, N. Y. Filed Aug. 7, 1947. SERVICE MARK.

EDWARD MENDELL CO., Inc.

"Edward Mendell Co., Inc.," is disclaimed apart from the mark.

FOR BROKERAGE SERVICES RENDERED IN CONNECTION WITH THE IMPORTATION AND EXPORTATION OF DYE-STUFFS AND TEXTILES.

Claims use since Apr. 7, 1947.

Ser. No. 531,432. BRINKS, INCORPORATED, Chicago, Ill. Filed Aug. 15, 1947. SERVICE MARK.

FOR RECEIVING CHECKS, CASHING THE SAME, MAKING UP PAYROLLS, CARRYING SAME OR OTHER MONEYS OR SECURITIES, GUARDING AND PROTECTING SAME AND PAYING PAYROLLS, HANDLING CLEARINGS, SELLING TICKETS, HANDLING PROCEEDS FROM CONVENTIONS, EXHIBITIONS AND PERFORMANCES, REPAIRING SAFES, CHESTS, CASH PROTECTORS, AND SIMILAR EQUIPMENT.

Claims use since Sept. 10, 1859.

Ser. No. 531,893. THE DAYTON FUR CLEANING CO., Dayton, Ohio. Filed Aug. 20, 1947. SERVICE MARK.

DAY-TONE

FOR CLEANING SERVICE FOR FURS AND FUR GARMENTS.

Claims use since Apr. 1, 1945.

Ser. No. 540,172. THE CLEVELAND TRUST COMPANY, Cleveland, Ohio. Filed Nov. 5, 1947. SERVICE MARK.

FOR GENERAL BANKING SERVICES—NAMELY, SAVINGS, CHECKING, LOAN, TRUST, SAFE DEPOSIT, BRANCH BANKING, AND FOREIGN EXCHANGE SERVICES.

Claims use since December 1940.

Ser. No. 541,139. WALTER HAYES ABERNATHY, Memphis, Tenn. Filed Nov. 14, 1947. SERVICE MARK.

The National Checking System

The words "Checking System" are disclaimed apart from the mark as shown. The drawing is lined for shading.

FOR INVESTIGATION, ASCERTAINING AND PROCUREMENT OF EVIDENCE FOR LEGAL PROCEEDINGS, LOCATION AND PURSUIT OF MISSING PERSONS, IDENTIFICATION AND APPREHENSION OF PERSONS INVOLVED IN CRIMINAL ACCUSATIONS, AND INVESTIGATION OF FIDELITY AND EFFICIENCY OF EMPLOYEES, IN THE NATURE OF PRIVATE DETECTIVE SERVICES.

Claims use since Sept. 1, 1925.

Ser. No. 547,213. ZEESE-WILKINSON-DILLON CO. INC., Long Island City, N. Y. Filed Jan. 15, 1948. SERVICE MARK.

SIMILETONE

FOR OFFSET PRINTING.

Claims use since Dec. 1, 1928.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,436. SAFETY RAZOR BLADES. PAL BLADE COMPANY, New York, N. Y., assignor to Pal Blade Co. Inc., New York, N. Y., a corporation of New York.
Filed March 19, 1945. Serial No. 481,078. PUBLISHED JULY 3, 1945. Class 23.

441,437. SEED AND FERTILIZER PLANTING MACHINES, ETC. A. B. FARQUHAR COMPANY, York, Pa.
Filed August 17, 1945. Serial No. 487,184. PUBLISHED AUGUST 10, 1948. Class 23.

441,438. VEGETABLE SEED PLANTERS, FERTILIZER PLANTING MACHINES, WHEEL HOES, PLOWS, ETC. A. B. FARQUHAR COMPANY, York, Pa.
Filed August 17, 1945. Serial No. 487,185. PUBLISHED AUGUST 10, 1948. Class 23.

441,439. BLANK AND PREPRINTED LITHOGRAPHIC PAPER PLATES OR MATS IN SHEET AND CONTINUOUS FORM FOR USE IN DIRECT-IMAGE OFFSET DUPLICATING MACHINES. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y.
Filed September 15, 1945. Serial No. 488,509. PUBLISHED AUGUST 31, 1948. Class 37.

441,440. PERFUME. KAY DAUMIT, Chicago, Ill., assignor, by mesne assignments, to Kathryn, Inc., Chicago, Ill., a corporation of Illinois.
Filed October 10, 1945. Serial No. 489,716. PUBLISHED JUNE 24, 1947. Class 6.

441,441. CRIBS. KROLL BROTHERS COMPANY, Chicago, Ill.
Filed December 12, 1945. Serial No. 493,128. PUBLISHED MAY 6, 1947. Class 32.

441,442. CRIB SPRINGS. KROLL BROTHERS COMPANY, Chicago, Ill.
Filed December 12, 1945. Serial No. 493,127. PUBLISHED MAY 6, 1947. Class 32.

441,443. CRIB SPRINGS. KROLL BROTHERS COMPANY, Chicago, Ill.
Filed December 12, 1945. Serial No. 493,129. PUBLISHED MAY 6, 1947. Class 32.

441,444. PLASTIC COATED METAL WIRE SCREEN USED AS A GLASS SUBSTITUTE. NATHAN J. BROWN, doing business as Transolene Co. and Plastic Distributors, Barrington and Chicago, Ill.
Filed December 22, 1945. Serial No. 493,738. PUBLISHED AUGUST 24, 1948. Class 50.

441,445. COMPOSITION COMPRISING A SILICONE RESIN AND A COMMINUTED ADHERENT SUCH AS CLAY, ETC. SCIENTIFIC ANGLERS, Midland, Mich., assignor to Scientific Anglers, Inc., Midland, Mich., a corporation of Michigan.
Filed January 12, 1946. Serial No. 494,712. PUBLISHED AUGUST 17, 1948. Class 22.

441,446. DRESSES FOR WOMEN, MISSES, AND GIRLS. JACOBY & FRIEDMAN INC., New York, N. Y.
Filed January 29, 1946. Serial No. 495,607. PUBLISHED AUGUST 17, 1948. Class 39.

441,447. SILVER PLATED FLAT TABLEWARE. EMPIRE CRAFTS CORPORATION, Newark, N. J.
Filed February 14, 1946. Serial No. 496,549. PUBLISHED SEPTEMBER 7, 1948. Class 28.

441,448. SAFETY RAZORS AND SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed March 20, 1946. Serial No. 498,622. PUBLISHED FEBRUARY 24, 1948. Class 23.

441,449. AVIATION AND AUTOMOTIVE GASOLINES. THE STANDARD OIL COMPANY, Cleveland, Ohio.
Filed March 25, 1946. Serial No. 498,936. PUBLISHED AUGUST 31, 1948. Class 15.

441,450. APPARATUS, COMPRISING TANKS AND FITTINGS, FOR DISPENSING LIQUEFIED PETROLEUM GAS USED FOR DOMESTIC, COMMERCIAL, AND INDUSTRIAL HEATING, LIGHTING, POWER, AND REFRIGERATION. SOUTHERN GAS & EQUIPMENT CO., Tulsa, Okla.
Filed May 1, 1946. Serial No. 501,290. PUBLISHED May 18, 1948. Class 34.

441,451. INSECTICIDE DEVICE COMPRISING A STRIP OF MATERIAL CARRYING A COATING OF POISONOUS SUBSTANCE TOXIC TO FLIES AND OTHER INSECTS. PHILLIPS-CLONICK CO., Rochester, N. Y., assignor to Phillips-Clonick Corporation, Rochester, N. Y., a corporation of New York.
Filed May 3, 1946. Serial No. 501,404. PUBLISHED JUNE 22, 1948. Class 6.

441,452. TOYS—NAMELY, STUFFED ANIMALS, DOLLS, TOY FURNITURE, AND INFANTS' WOODEN TOYS. HERBERT H. KRAUSE & ASSOCIATES, Chicago, Ill.
Filed May 6, 1946. Serial No. 501,512. PUBLISHED AUGUST 3, 1948. Class 22.

441,453. PAPER PRODUCTS—NAMELY, PRINTING, WRITING, DRAWING, TRACING, WRAPPING, BOX-COVER, ETC. HANO PAPER CORPORATION, New York, N. Y.
Filed May 22, 1946. Serial No. 502,577. PUBLISHED AUGUST 24, 1948. Class 37.

441,454. RADIO RECEIVER SETS. SONOTONE CORPORATION, Elmsford, N. Y.
Filed May 24, 1946. Serial No. 502,724. PUBLISHED JULY 13, 1948. Class 21.

441,455. PEST CONTROL MATERIALS—NAMELY, HOUSEHOLD SPRAY AND POISON. CHARLES C. DELK, doing business as Delk Pest Control, Fresno, Calif.
Filed May 27, 1946. Serial No. 502,807. PUBLISHED AUGUST 31, 1948. Class 6.

441,456. CUTTING TOOLS, KNIVES, AND BLADES PARTICULARLY FOR CARVING AND HANDICRAFT USES. THE A P PARTS CORPORATION, Toledo, Ohio.
Filed May 31, 1946. Serial No. 503,031. PUBLISHED AUGUST 17, 1948. Class 23.

441,457. COSTUME ORNAMENTS—NAMELY, PINS, MADE OUT OF PLASTIC MATERIAL. HARRY L. MASON, New York, N. Y.
Filed June 1, 1946. Serial No. 503,167. PUBLISHED AUGUST 24, 1948. Class 40.

441,458. BAY RUM, CAMPHORATED OIL U. S. P., CASTOR OIL, COD LIVER OIL U. S. P. NORWEGIAN, ETC. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed June 3, 1946. Serial No. 503,179. PUBLISHED AUGUST 24, 1948. Class 6.

441,459. PROTECTIVE SURGICAL ADHESIVE BANDAGES. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed June 5, 1946. Serial No. 503,296. PUBLISHED FEBRUARY 10, 1948. Class 44.

441,460. DRUMS. PETER A. VESPE, doing business as Vespe's Drum Shop, Camden, N. J.
Filed June 11, 1946. Serial No. 503,685. PUBLISHED JULY 27, 1948. Class 86.

441,461. CHUCKING MACHINES SUCH AS SINGLE SPINDLE CHUCKING MACHINES. THE NATIONAL ACME COMPANY, Cleveland, Ohio.
Filed July 12, 1946. Serial No. 505,511. PUBLISHED JUNE 17, 1947. Class 23.

441,462. PRINTING PAPER AND WRAPPING PAPER. SVENSKA CELLULOSA AKTIEBOLAGET, Stockholm, Sweden.
Filed July 12, 1946. Serial No. 505,530. PUBLISHED AUGUST 3, 1948. Class 37.

441,463. BLOOD TONIC, VITAMIN CAPSULES WITH DICALCIUM PHOSPHATE, PREPARATION FOR RELIEF OF ASTHMA AND HAY FEVER, ETC. THE MALTINE COMPANY, New York, N. Y.
Filed July 19, 1946. Serial No. 505,903. PUBLISHED AUGUST 24, 1948. Class 6.

441,464. MANUALLY OPERATED NON-ELECTRIC PORTABLE CLIPPERS COMPRISING RECIPROCATING TOOTHED CUTTERS OPERATED BY PIVOTED HANDLES. BROWN'S CLIPPER COMPANY (1939) LIMITED, Birmingham, England.
Filed July 20, 1946. Serial No. 505,948. PUBLISHED AUGUST 17, 1948. Class 23.

441,465. ABRASIVE WHEELS; ABRASIVE COMPOSITIONS CONSISTING OF ABRASIVE PARTICLES AND A BONDING SUBSTANCE; AND BONDING COMPOSITIONS HAVING ABRASIVE PROPERTIES. BILTON'S ABRASIVES, LIMITED, London, England.
Filed August 16, 1946. Serial No. 507,509. PUBLISHED AUGUST 24, 1948. Class 4.

441,466. FISH HOOKS. EUGENE A. SMEJA, doing business as The Magic Snell Tackle Company, Rochester, N. Y.
Filed August 26, 1946. Serial No. 508,074. PUBLISHED AUGUST 17, 1948. Class 22.

441,467. ANTIBACTERIAL PREPARATIONS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed September 4, 1946. Serial No. 508,495. PUBLISHED AUGUST 10, 1948. Class 6.

441,468. STEAM PUMPS, PUMPING ENGINES, AND CONDENSER AND EVAPORATORS FOR USE IN CONNECTION WITH STEAM PUMPS, USED ON RECIPROCATING AND CENTRIFUGAL PUMPING MACHINERY. M. T. DAVIDSON COMPANY, Brooklyn, N. Y.
Filed September 11, 1946. Serial No. 508,838. PUBLISHED AUGUST 24, 1948. Class 23.

441,469. MEN'S TALCUM, AFTER SHAVE LOTION, COLOGNE, DEODORANT, HAIR DRESSING, AND SHAMPOO. RICHARD HUDNUT, New York, N. Y.
Filed September 13, 1946. Serial No. 509,003. PUBLISHED AUGUST 31, 1948. Class 6.

441,470. PARKING METERS. THE DUAL PARKING METER COMPANY, Canton, Ohio.
Filed September 17, 1946. Serial No. 509,207. PUBLISHED AUGUST 24, 1948. Class 26.

441,471. BLACK STEEL, GALVANIZED STEEL, RUST-RESISTING ANTICORROSIVE IRON, AND IRON, STEEL, AND ALLOY-STEEL METAL SHEETS. REPUBLIC STEEL CORPORATION, Cleveland, Ohio.
Filed September 21, 1946. Serial No. 509,534. PUBLISHED JULY 27, 1948. Class 14.

441,472. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. ALPCO, INC., Providence, R. I.
Filed October 10, 1946. Serial No. 510,559. PUBLISHED AUGUST 24, 1948. Class 28.

441,473. MACHINES FOR CHECKING THE DYNAMIC AND STATIC BALANCE OF THE WHEELS OF MOTOR VEHICLES. MANBEE EQUIPMENT COMPANY, INC., Chicago, Ill.
Filed October 11, 1946. Serial No. 510,712. PUBLISHED AUGUST 31, 1948. Class 26.

441,474. OIL USED IN GASOLINE TO LUBRICATE THE CYLINDERS OF AN INTERNAL COMBUSTION ENGINE TO AID IN FORMING A SEAL BETWEEN THE PISTONS AND PISTON RINGS ON THE ONE HAND, AND THE CYLINDER WALLS ON THE OTHER HAND, TO IMPROVE COMPRESSION, AND TO AID IN PREVENTING THE FORMATION OF CARBON DEPOSITS. LOUISE S. MILLER, doing business as G. S. Miller Co., Sheffield, Mass.
Filed October 19, 1946. Serial No. 511,173. PUBLISHED MARCH 2, 1948. Class 15.

441,475. CHILD'S GAME CONSISTING OF COLORED ADHESIVE CUT-OUTS WHICH CAN BE ARRANGED AND RE-ARRANGED IN NUMEROUS PRESCRIBED OR ORIGINAL PATTERNS. HENRY M. Ford, Madison, Wis.
Filed November 12, 1946. Serial No. 512,406. PUBLISHED AUGUST 10, 1948. Class 22.

441,476. SILENCERS AND SILENCING APPARATUS (I. E., MUFFLERS AND SIMILAR APPARATUS SILENCING INLET AND EXHAUST SYSTEMS) FOR MACHINERY FOR ENGINES AND FOR MOTORS INCLUDING SILENCERS FOR THE ENGINES AND MOTORS OF HAND VEHICLES AND PARTS THEREOF. VOKES LIMITED, Guildford, England.
Filed November 19, 1946. Serial No. 512,878. PUBLISHED AUGUST 24, 1948. Class 23.

441,477. SERVICE INSIGNIA MADE OF NON-PRECIOUS METALS; ARMY, NAVY, AND MARINE CORPS MEDALS MADE OF NON-PRECIOUS METALS; SCHOOL, FRATERNITY AND TRADE EMBLEMS, BUTTONS AND BADGES MADE OF NON-PRECIOUS METALS, ETC. AMERICAN EMBLEM COMPANY, New Hartford, N. Y.
Filed November 23, 1946. Serial No. 513,093. PUBLISHED AUGUST 17, 1948. Class 50.

441,478. PLASTIC SINK TOPS AND CABINET TOPS MORE PARTICULARLY DESCRIBED AS FOLLOWS, ETC. HOME PRODUCTS CO., Los Angeles, Calif.
Filed November 25, 1946. Serial No. 513,180. PUBLISHED AUGUST 31, 1948. Class 32.

441,479. PETROLEUM OILS, GREASES, WAXES, AND COMPOUNDS FOR CUTTING, TEMPERING, SLUSHING, FLUSHING, AND QUENCHING. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed December 11, 1946. Serial No. 514,071. PUBLISHED AUGUST 24, 1948. Class 15.

441,480. PENKNIVES AND POCKET KNIVES. LEKTROLITE CORPORATION, New York, N. Y.
Filed December 12, 1946. Serial No. 514,120. PUBLISHED AUGUST 31, 1948. Class 23.

441,481. FILTERS AND FILTER ELEMENTS FOR USE PRIMARILY IN CONNECTION WITH ENGINES. MEIER, INC., Detroit, Mich.
Filed December 13, 1946. Serial No. 514,210. PUBLISHED SEPTEMBER 7, 1948. Class 31.

441,482. GARDEN TRACTORS. BOTHS INDUSTRIES, INC., Alma, Mich.
Filed December 14, 1946. Serial No. 514,304. PUBLISHED AUGUST 17, 1948. Class 23.

441,483. FISHING RODS AND POLES, FISHING REELS, FISHING LINES, HOOKS, SINKERS, ARTIFICIAL BAIT, FLOATS, BAIT BOXES, LEADERS FISH NETS, SPINNERS, FISHING SPEARS, ARTIFICIAL FISHING FLIES. HORROCKS-IBBOTSON COMPANY, Utica, N. Y.
Filed December 16, 1946. Serial No. 514,341. PUBLISHED AUGUST 17, 1948. Class 22.

441,484. ELECTRONIC HIGH FREQUENCY GENERATORS SUITABLE FOR DIELECTRIC HEATING TO CAUSE DRYING OF ADHESIVES FOR BONDING LAYERS OF MATERIAL TOGETHER. JACK B. CUNNINGHAM, doing business as Shortwave Plastic Forming Company, Burbank, Calif.
Filed December 19, 1946. Serial No. 514,579. PUBLISHED MAY 25, 1948. Class 21.

441,485. LUBRICATING OIL. SUN OIL COMPANY, Philadelphia, Pa.
Filed January 4, 1947. Serial No. 515,281. PUBLISHED AUGUST 17, 1948. Class 15.

441,486. SHOULDER PADS FOR GARMENTS. C. & D. NOVELTY COMPANY, New York, N. Y.
Filed January 17, 1947. Serial No. 515,897. PUBLISHED AUGUST 17, 1948. Class 40.

441,487. TOY CONSTRUCTION KITS, COMPRISING A TERMINAL CLIP, BULB, BATTERY, BULB HOLDER, BATTERY HOLDER, BUZZER KEEPER, CONDUCTOR WIRE, ETC. SAXON TOY CORPORATION, Brooklyn, N. Y.
Filed February 1, 1947. Serial No. 516,789. PUBLISHED AUGUST 17, 1948. Class 22.

441,488. SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed February 5, 1947. Serial No. 516,974. PUBLISHED OCTOBER 7, 1947. Class 23.

441,489. TABLEWARE AND CUTLERY—NAMELY, KNIVES, FORKS, AND SPOONS MADE OUT OF BASE METAL, STAINLESS STEEL OR CARBON STEEL. NATIONAL SILVER COMPANY, New York, N. Y.
Filed February 7, 1947. Serial No. 517,146. PUBLISHED AUGUST 31, 1948. Class 23.

441,490. UMBRELLAS. GILBERT CENTER, New York, N. Y.
Filed February 17, 1947. Serial No. 517,611. PUBLISHED AUGUST 10, 1948. Class 41.

441,491. UMBRELLAS. GILBERT CENTER, New York, N. Y.
Filed February 17, 1947. Serial No. 517,612. PUBLISHED AUGUST 10, 1948. Class 41.

441,492. METAL POWDERS FOR METALLURGICAL FABRICATION. THE GLIDDEN COMPANY, doing business as Metals Refining Company, Cleveland, Ohio, and Hammond, Ind.
Filed February 20, 1947. Serial No. 517,845. PUBLISHED AUGUST 12, 1947. Class 14.

441,493. LIQUID CREAM SHAMPOO. JON HENRI, INC., Cincinnati, Ohio.
Filed February 20, 1947. Serial No. 517,846. PUBLISHED AUGUST 31, 1948. Class 6.

441,494. LADIES' BLOUSES. (MISS) JIM NANCE, Charlotte, N. C.
Filed February 20, 1947. Serial No. 517,859. PUBLISHED AUGUST 17, 1948. Class 39.

441,495. MAGAZINE CONTAINING READING MATTER OF GENERAL INTEREST, PUBLISHED AT REGULAR INTERVALS. BUHAI PUBLISHING CO., INC., Chicago, Ill.
Filed March 6, 1947. Serial No. 518,587. PUBLISHED AUGUST 10, 1948. Class 38.

441,496. TRANSPARENT COVERED FRAMES AND RACKS USED ON COUNTERS AND SHOW CASES IN STORES FOR DISPLAYING AND PROTECTING PASTRY AND OTHER FOOD PRODUCTS. FOOD DISPLAY COVER COMPANY, INC., Indianapolis, Ind.
Filed March 12, 1947. Serial No. 518,884. PUBLISHED SEPTEMBER 7, 1948. Class 32.

441,497. PHOTOGRAPHIC LAMP MOUNTING BRACKETS. LEONARDO LAMP MFG. CO., New York and Brooklyn, N. Y.
Filed March 15, 1947. Serial No. 519,075. PUBLISHED AUGUST 31, 1948. Class 26.

441,498. BASEBALLS, SOFTBALLS, BASEBALL GLOVES, ETC. OAKES & COMPANY, Chicago, Ill.
Filed March 15, 1947. Serial No. 519,086. PUBLISHED AUGUST 3, 1948. Class 22.

441,499. AIRCRAFT INSTRUMENTS AND PARTS THEREFOR, ETC. SPECIALTIES, INC., Syosset, N. Y.
Filed March 22, 1947. Serial No. 519,450. PUBLISHED AUGUST 31, 1948. Class 26.

441,500. WOOLEN KNITTING YARNS. SAM SMITH SHELF LTD., Clough Mills, Shelf, Halifax, England.
Filed March 24, 1947. Serial No. 519,492. PUBLISHED AUGUST 17, 1948. Class 43.

441,501. STOMACH TONICS AND BITTERS. SOC. A. R. L. DE VECCHI, Milan, Italy.
Filed March 26, 1947. Serial No. 519,572. PUBLISHED AUGUST 31, 1948. Class 6.

441,502. MEDICAL AND SURGICAL SUPPLIES—NAMELY, BANDAGES, CORSETS, KNEE-CAPS, STOCKINGS, ANKLETS, BELTS, WRISTLETS, ARCH SUPPORTS AND ELBOW SUPPORTS, ALL MADE OF NETTED MATERIAL AND ALL BEING CONTRIVANCES (NOT MEDICATED) FOR SURGICAL OR CURATIVE PURPOSES. JOHN HEATHCOAT & Co., Tiverton, Devon, England, assignor to John Heathcoat & Co., Inc., New York, N. Y.
Filed April 1, 1947. Serial No. 519,953. PUBLISHED AUGUST 31, 1948. Class 44.

441,503. FIREARMS—NAMELY, SPORTING SHOTGUNS AND RIFLES, AND PARTS THEREOF. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed April 2, 1947. Serial No. 520,055. PUBLISHED AUGUST 17, 1948. Class 9.

441,504. ELECTRICAL SOUND RECORDING AND SOUND REPRODUCING INSTRUMENTS IN WHICH THE RECORDING IS MADE MAGNETICALLY ON A MAGNETIC WIRE OR TAPE FOR USE WITH RADIO, PHONOGRAPH, AND TELEVISION APPARATUS. BOOSEY & HAWKES LIMITED, London, England.
Filed April 9, 1947. Serial No. 520,376. PUBLISHED AUGUST 31, 1948. Class 21.

441,505. LEATHER PORTFOLIOS CONTAINING A REMOVABLE LOOSE LEAF BINDER. DIGBY PRODUCTS, LTD., White Plains, N. Y.
Filed April 17, 1947. Serial No. 520,865. PUBLISHED AUGUST 10, 1948. Class 3.

441,506. SEQUINS, AND SEQUIN TRIMMINGS. CASINO NOVELTY EMBROIDERY CO., New York, N. Y.
Filed April 22, 1947. Serial No. 521,112. PUBLISHED AUGUST 24, 1948. Class 40.

441,507. CORK DISCS FOR USE IN CROWN CLOSURES, CROWN CLOSURES AND THREADED AND FRICTIONAL RECEPTACLE CLOSURES OF METAL, WOOD, OR PLASTIC. MUNDET CORK CORPORATION, Brooklyn, N. Y.
Filed April 30, 1947. Serial No. 521,594. PUBLISHED AUGUST 31, 1948. Class 50.

441,508. SMALL, ARTISTIC CREATIONS FOR THE DISPLAY OF MERCHANDISE IN STORE WINDOWS AND ON STORE COUNTERS, AND NOT IN THE NATURE OF STORE FURNITURE. DESIGN FOR DISPLAY, INC., Cleveland, Ohio.
Filed May 1, 1947. Serial No. 521,647. PUBLISHED AUGUST 17, 1948. Class 50.

441,509. PENETRATING LIQUID OIL CONCENTRATE AND LUBRICANT TO BE ADDED TO MOTOR FUEL FOR REDUCING CARBON AND INCREASING THE POWER AND EFFICIENCY OF COMBUSTION ENGINES. JACK H. WEINER, doing business as U. S. Highway Supply Co., Chicago, Ill.
Filed May 2, 1947. Serial No. 521,772. PUBLISHED AUGUST 17, 1948. Class 15.

441,510. ROUND PLAY BALL HAVING A REMOVABLE INFLATABLE BLADDER AND A WATERPROOF COVER OR CASING. BAYSHORE INDUSTRIES, INC., Elkton, Md.
Filed May 16, 1947. Serial No. 522,515. PUBLISHED APRIL 6, 1948. Class 22.

441,511. SWEATERS AND CARDIGANS FOR BOYS AND GIRLS; BROTHER AND SISTER SETS—NAMELY, TWO-PIECE BOYS' SUITS AND TWO-PIECE GIRLS' SUITS; BOYS' SUITS; CHILDREN'S DRESSES; PULLOVER SHIRTS; OVERALLS; BLOUSES; AND KNITWEAR—NAMELY, PAJAMAS, PANTY SUITS, CREEPERS, SNOWSUITS, AND DRESSES. AIG-SCHECHNER, INC., New York, N. Y.
Filed May 23, 1947. Serial No. 522,917. PUBLISHED AUGUST 24, 1948. Class 39.

441,512. BUBBLING BATH OIL. PARFUMS BLANCHARD, New York, N. Y.
Filed June 14, 1947. Serial No. 524,204. PUBLISHED AUGUST 31, 1948. Class 6.

441,513. ELECTRICAL APPARATUS—NAMELY, AUTOMATIC AND NON-AUTOMATIC TOASTERS, AUTOMATIC IRONS, HEATING PADS FOR GENERAL USE, CORD SETS, ETC. SON-CHIEF ELECTRICS, INCORPORATED, Winsted, Conn.
Filed June 20, 1947. Serial No. 524,577. PUBLISHED AUGUST 31, 1948. Class 21.

441,514. PETROLEUM PRODUCTS WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS FOR ILLUMINATING, HEATING, POWER, BURNING, LUBRICATING, CUTTING, GREASING, TEMPERING, QUENCHING, SLUSHING, AND FLUSHING; MINERAL WAX, WAX CANDLES, PENETRATING OILS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed June 25, 1947. Serial No. 524,828. PUBLISHED AUGUST 24, 1948. Class 15.

441,515. WAX CANDLES. COLONIAL CANDLE CO. OF CALIFORNIA, San Rafael, Calif.
Filed June 27, 1947. Serial No. 524,952. PUBLISHED AUGUST 24, 1948. Class 15.

441,516. ELECTRIC MUSICAL INSTRUMENTS. THE BALDWIN COMPANY, Cincinnati, Ohio.
Filed June 30, 1947. Serial No. 525,183. PUBLISHED SEPTEMBER 7, 1948. Class 36.

441,517. ELECTRIC HEATING UNITS AND ELECTRIC HEATERS—NAMELY, STRIP HEATERS, SEGMENT HEATERS, RING HEATERS, DISC HEATERS, ETC. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa.
Filed July 2, 1947. Serial No. 525,734. PUBLISHED AUGUST 24, 1948. Class 21.

441,518. ELECTRIC HEATING UNITS AND ELECTRIC HEATERS—NAMELY, STRIP HEATERS, SEGMENT HEATERS, RING HEATERS, DISC HEATERS, ETC. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa.
Filed July 2, 1947. Serial No. 525,735. PUBLISHED AUGUST 24, 1948. Class 21.

441,519. ELECTRIC HEATING UNITS AND ELECTRIC HEATERS—NAMELY, STRIP HEATERS, SEGMENT HEATERS, RING HEATERS, DISC HEATERS, ETC. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa.
Filed July 2, 1947. Serial No. 525,737. PUBLISHED AUGUST 24, 1948. Class 21.

441,520. CALCULATORS OF THE SLIDE RULE TYPE, PHOTOGRAPHIC LENS, AND ARTICLES COMPOSED WHOLLY OR IN PART OF NATURAL AND/OR SYNTHETIC RUBBER SOLD AS PARTS FOR AND AS REPLACEMENT PARTS OF SOUND MOTION PICTURE RECORDING AND REPRODUCING EQUIPMENT, ETC. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed July 3, 1947. Serial No. 525,951. PUBLISHED AUGUST 31, 1948. Class 26.

441,521. ACCOUNT, DATA, AND ORDER BOOKS. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed July 3, 1947. Serial No. 526,146. PUBLISHED AUGUST 31, 1948. Class 37.

ACT OF 1920

These registrations are not subject to opposition.

441,522. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MIDO SOCIETE ANONYME, Bienne, Switzerland, assignor to Mido Watch Company of America, Inc., New York, N. Y. Filed Mar. 19, 1946. Serial No. 498,535.

RADIOTIME

FOR WATCHES, WATCH CASINGS AND PARTS OF WATCHES.
Claims use since May 1937.

441,523. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) U. M. A. INC., New York, N. Y. Filed Aug. 13, 1946. Serial No. 507,353.

COLLENS
SPHYGMO-OSCILLOMETER

FOR DIAGNOSTIC MEDICAL INSTRUMENTS FOR DETERMINING POTENCY OF THE MAJOR BLOOD VESSELS OF THE LIMBS.
Claims use since Nov. 1, 1937.

441,524. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) MANLEY SAND COMPANY, Rockton, Ill. Filed Oct. 14, 1946. Serial No. 510,852.

WESTON BOND

FOR BENTONITE.
Claims use since Mar. 13, 1946.

441,525. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Dec. 14, 1946. Serial No. 514,290.

WILHELMY

FOR STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS.
Claims use since May 1, 1924.

441,526. (CLASS 39. CLOTHING.) PIONEER MANUFACTURING COMPANY OF WILKES-BARRE, PA., Wilkes-Barre, Pa., and New York, N. Y., now by change of name Pioneer Manufacturing Company, Inc., a corporation of Pennsylvania. Filed Feb. 11, 1947. Serial No. 517,323.



FOR COTTON, RAYON, SILK AND WOOLEN DRESSES, PLAY SUITS, JACKETS, SLACKS, OVERALLS, COATS, LEGGINGS, SNOW SUITS AND UNDERWEAR—ALL FOR CHILDREN.
Claims use since Dec. 12, 1945.

441,527. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MCKAY DAVIS COMPANY, Toledo, Ohio. Filed July 1, 1947. Serial No. 525,361.

McKay

FOR COUGH SYRUPS AND TABLETS, HEADACHE AND STOMACH RELIEF MEDICINES IN LIQUID, POWDER, TABLET AND GRANULAR FORMS, INCLUDING SALICYLATES, CITRATES, CARBONATES, AND ANTIPAIN MEDICINES.
Claims use since March 1934.

ACT OF 1946, PRINCIPAL REGISTER.

504,256. DIE BLOCKS, CUTTING BOARDS, AND CUTTING BLOCKS MADE FROM PLASTIC OR WOOD, SAID DIE BLOCKS, CUTTING BOARDS, AND CUTTING BLOCKS ALL CONSISTING OF A BOARD OR BLOCK UPON WHICH MATERIAL IS LAID DURING THE PROCESS OF TRIMMING OR CUTTING PATTERNS THEREFROM. APPLETON WOOD PRODUCTS COMPANY, Appleton, Wis.
Filed November 10, 1947. Serial No. 483,601. PUBLISHED AUGUST 17, 1948. Class 23.

504,257. REFRESHMENT BARS, REFRESHMENT BACK BARS, TABLES AND CHAIRS FOR COMMERCIAL AND PUBLIC ROOM USE INCLUDING COCKTAIL ROOMS, DINING ROOMS, AND HOTEL LOBBIES, AND DISPLAY, STORAGE, AND UTILITY CABINETS. DESIGN INC., St. Louis, Mo.
Filed July 5, 1947. Serial No. 497,466. PUBLISHED AUGUST 31, 1948. Class 32.

504,258. REFRESHMENT BARS, REFRESHMENT BACK BARS, AND DISPLAY, STORAGE, AND UTILITY CABINETS. DESIGN INC., St. Louis, Mo.
Filed July 5, 1947. Serial No. 497,467. PUBLISHED AUGUST 31, 1948. Class 32.

504,259. ROLLER SKATES WITH SHOES ATTACHED AND ROLLERS FOR ROLLER SKATES. CHICAGO ROLLER SKATE COMPANY, Chicago, Ill.
Filed October 25, 1947. Serial No. 497,528. PUBLISHED AUGUST 17, 1948. Class 22.

504,260. NON-METALLIC PACKING WASHERS FOR MACHINERY. LINCOLN ENGINEERING COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 502,221. PUBLISHED AUGUST 31, 1948. Class 35.

504,261. COSMETIC PREPARATIONS — NAMELY, BATH PERFUME AND WATER SOFTENER. CAREL, LTD., Chicago, Ill.
Filed October 21, 1947. Serial No. 505,732. PUBLISHED AUGUST 31, 1948. Class 6.

504,262. AIR COMPRESSORS AND PARTS THEREOF. THE CAMPBELL-HAUSFELD CO., Harrison, Ohio.
Filed August 11, 1947. Serial No. 511,136. PUBLISHED AUGUST 10, 1948. Class 23.

504,263. TIRE AIR GAUGES AND PARTS FOR THE SAME. DRUGE BROTHERS MANUFACTURING CO., Oakland, Calif.
Filed July 14, 1947. Serial No. 511,987. PUBLISHED AUGUST 31, 1948. Class 26.

504,264. COTTON THREAD. THE GENERAL THREAD MILLS, INC., Boston, Mass.
Filed September 11, 1947. Serial No. 513,176. PUBLISHED AUGUST 10, 1948. Class 43.

504,265. MATERIALS-HANDLING EQUIPMENT ACTUATED HORIZONTALLY OR FOR LIFTING PURPOSES MANUALLY OR BY OR WITH THE AID OF MOUNTED POWER UNITS, ETC. LEWIS-SHEPARD PRODUCTS, INC., Watertown, Mass.
Filed July 7, 1947. Serial No. 513,183. PUBLISHED AUGUST 17, 1948. Class 23.

504,266. MANGE MEDICINE. POLK MILLER PRODUCTS CORPORATION, Richmond, Va.
Filed October 28, 1947. Serial No. 515,785. PUBLISHED AUGUST 31, 1948. Class 6.

504,267. DISINFECTANT. POLK MILLER PRODUCTS CORPORATION, Richmond, Va.
Filed October 28, 1947. Serial No. 515,786. PUBLISHED AUGUST 31, 1948. Class 6.

504,268. PORTABLE HAND FIRE EXTINGUISHERS. AMITY MANUFACTURING CORP., Perth Amboy, N. J.
Filed January 22, 1948. Serial No. 516,522. PUBLISHED AUGUST 10, 1948. Class 23.

504,269. BUST FORMS. FOREST CITY PRODUCTS, INC., Cleveland, Ohio.
Filed November 26, 1947. Serial No. 516,684. PUBLISHED AUGUST 24, 1948. Class 40.

504,270. SMOKERS' ASH TRAYS MADE OF NON-PRECIOUS METALS. HARPER-WYMAN COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 518,293. PUBLISHED SEPTEMBER 7, 1948. Class 8.

504,271. ORNAMENTAL PINS AND BROOCHES. KAUFMAN AND RUDERMAN CO., INC., New York, N. Y.
Filed August 12, 1947. Serial No. 518,464. PUBLISHED SEPTEMBER 7, 1948. Class 28.

504,272. HAND LUGGAGE—NAMELY, VICTORIA MAKE-UP CASES, OVERNIGHT CASES, ETC. NORTHWESTERN LUGGAGE CO., Seattle, Wash.
Filed October 11, 1947. Serial No. 520,642. PUBLISHED AUGUST 10, 1948. Class 3.

504,273. BINDERS IN POWDER OR OTHER DRY FORM FOR BINDING FINELY DIVIDED MATERIAL. MASONITE CORPORATION, Chicago, Ill., and Laurel, Miss.
Filed August 28, 1947. Serial No. 521,743. PUBLISHED AUGUST 31, 1948. Class 5.

504,274. MEN'S AND WOMEN'S SPORTSWEAR—NAMELY, SPORTS COATS, JERKINS, SPORTS SHIRTS, SPORTS SLACKS, AND SPORTS JACKETS. CLUBHOUSE CASUALS, INC., New York, N. Y.
Filed July 31, 1947. Serial No. 522,568. PUBLISHED AUGUST 17, 1948. Class 39.

504,275. ALKALINE PRODUCT IN POWDERED FORM FOR NEUTRALIZING CREAM FOR USE IN MAKING BUTTER. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed August 2, 1947. Serial No. 522,735. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,276. BRUSHES FORMING PARTS OF INDUSTRIAL MACHINES, BRUSHES FOR MOUNTING UPON SHAFTING, POWER OPERATED ROTARY BRUSHES FOR POLISHING AND CLEANING, AND SECTIONS AND PARTS OF SUCH BRUSHES. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio.
Filed October 15, 1947. Serial No. 524,202. PUBLISHED AUGUST 24, 1948. Class 23.

504,277. PAPER TOWELS AND TOILET TISSUE. STRAUBEL PAPER COMPANY, Green Bay, Wis.
Filed July 5, 1947. Serial No. 526,618. PUBLISHED AUGUST 24, 1948. Class 37.

504,278. DIMENSION GAGES—VIZ., SCREW THREAD GAGES, CYLINDRICAL PLUG AND RING GAGES, TEMPLATE GAGES, SNAP GAGES, END MEASURES, STAR GAGES, PNEUMATICALLY AND ELECTRICALLY OPERATED GAGES, AND SPECIAL GAGES. NILES-BEMENT-POND COMPANY, West Hartford, Conn.
Filed July 5, 1947. Serial No. 526,700. PUBLISHED AUGUST 31, 1948. Class 26.

504,279. TWINE. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 526,837. PUBLISHED AUGUST 17, 1948. Class 7.

504,280. SUCTION TUBE AND STRAINER UNIT FOR REMOVAL OF WATER FROM A BOAT. TRANSCO PRODUCTS, INC., Los Angeles, Calif.
Filed July 5, 1947. Serial No. 526,997. PUBLISHED AUGUST 24, 1948. Class 23.

504,281. FISHING LINES. B. F. GLADDING & CO., INC., South Otselic, N. Y.
Filed July 5, 1947. Serial No. 527,070. PUBLISHED AUGUST 17, 1948. Class 22.

504,282. VENETIAN BLINDS. FRANK R. HENDRICKS, doing business as Majestic Venetian Blind Manufacturers, Puyallup, Wash.
Filed July 5, 1947. Serial No. 527,084. PUBLISHED AUGUST 17, 1948. Class 32.

504,283. ROPE AND TWINE MADE OF HARD FIBRE. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed July 5, 1947. Serial No. 527,139. PUBLISHED AUGUST 10, 1948. Class 7.

504,284. COMPOSITION ALTARS FOR USE IN CHURCHES AND THE LIKE. DAPRATO STATUARY COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,243. PUBLISHED AUGUST 24, 1948. Class 50.

504,285. MINERAL COATED PAPER, SUITABLE FOR PRINTING. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio.
Filed July 5, 1947. Serial No. 527,304. PUBLISHED AUGUST 24, 1948. Class 37.

504,286. TOOL HANDLES. THE AMERICAN FORK AND HOE COMPANY, Cleveland, Ohio.
Filed July 5, 1947. Serial No. 527,605. PUBLISHED AUGUST 24, 1948. Class 23.

504,287. TOOLS—NAMELY, CONSTRUCTION TOOLS COMPRISING CANT HOOKS, CROWBARS, DIGGING BARS, ETC. THE AMERICAN FORK AND HOE COMPANY, Cleveland, Ohio.
Filed July 5, 1947. Serial No. 527,606. PUBLISHED AUGUST 31, 1948. Class 23

504,288. POWER MACHINE CLUTCHES. CEEJAY PRODUCTS COMPANY, Los Angeles, Calif., assignor to Ceejay Products Company, Los Angeles, Calif., a partnership composed of Charles A. Munz and Rosella J. Munz.
Filed July 5, 1947. Serial No. 527,626. PUBLISHED AUGUST 17, 1948. Class 23.

504,289. MUFFLERS AND SILENCERS FOR QUIETING NOISES AT EXHAUSTS AND INTAKES OF INTERNAL COMBUSTION ENGINES, ETC. BURGESS-MANNING COMPANY, Libertyville, Ill.
Filed July 5, 1947. Serial No. 527,792. PUBLISHED AUGUST 17, 1948. Class 23.

504,290. PORTABLE ELECTRIC ENGRAVING AND CUTTING IMPLEMENTS. BURGESS BATTERY COMPANY, Chicago and Freeport, Ill.
Filed July 5, 1947. Serial No. 528,048. PUBLISHED AUGUST 24, 1948. Class 21.

504,291. MEDICAL ELECTRONIC EQUIPMENT—NAMELY, SHORT WAVE DIATHERMY, LOW VOLTAGE GENERATORS FOR USE WITH ELECTRICAL THERAPEUTIC APPLIANCES, ELECTRICAL NERVE AND MUSCLE STIMULATORS AND CHRONAXIE METERS; THERAPEUTIC RAY LAMPS; AND MEDICAL ELECTRODES FOR ELECTRICAL EQUIPMENT. ROBERT JEROME LINDQUIST, doing business as R. J. Lindquist & Co., Los Angeles, Calif.
Filed July 7, 1947. Serial No. 528,087. PUBLISHED AUGUST 31, 1948. Class 44.

504,292. PAPER TOWELS, TOILET TISSUE, AND PAPER TABLE COVERINGS. STRAUBEL PAPER COMPANY, Green Bay, Wis.
Filed July 8, 1947. Serial No. 528,139. PUBLISHED AUGUST 10, 1948. Class 37.

504,293. ZINC COATED FERROUS SHEETS. AMERICAN ZINC INSTITUTE INCORPORATED, New York, N. Y.
Filed July 8, 1947. Serial No. 528,148. PUBLISHED AUGUST 10, 1948. Class 14.

504,294. STEEL TANKS FOR THE STORAGE OF LIQUIDS SUCH AS WATER, GASOLINE, OIL, AND THE LIKE; AND ROOFS THEREFOR. CHICAGO BRIDGE & IRON COMPANY, Chicago, Ill.
Filed July 11, 1947. Serial No. 528,335. PUBLISHED SEPTEMBER 7, 1948. Class 2.

504,295. TRACK SANDERS. THE NEW YORK AIR BRAKE COMPANY, New York and Watertown, N. Y.
Filed July 11, 1947. Serial No. 528,365. PUBLISHED AUGUST 17, 1948. Class 23.

504,296. PNEUMATIC TIRES. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 12, 1947. Serial No. 528,449. PUBLISHED AUGUST 24, 1948. Class 35.

504,297. SNAP FASTENERS. RAU FASTENER COMPANY, Providence, R. I.
Filed July 15, 1947. Serial No. 528,644. PUBLISHED AUGUST 10, 1948. Class 40.

504,298. SCREW-DRIVERS, HAMMER, PLIERS, AND SAW, ALL SOLD IN A CLOTH KIT AS A UNIT. BALTIMORE HARDWARE COMPANY, Baltimore, Md.
Filed July 16, 1947. Serial No. 528,685. PUBLISHED AUGUST 17, 1948. Class 23.

504,299. PISTON RINGS. KOPPERS COMPANY, INC., Pittsburgh, Pa., and Baltimore, Md.
Filed July 17, 1947. Serial No. 528,801. PUBLISHED AUGUST 17, 1948. Class 35.

504,300. DOLLS. TERRI LEE CO., Lincoln, Nebr.
Filed July 17, 1947. Serial No. 528,824. PUBLISHED AUGUST 17, 1948. Class 22.

504,301. YARNS AND THREADS FROM ANIMAL, VEGETABLE, AND SYNTHETIC FIBERS. MANUFACTURES DE PRODUITS CHIMIQUES DU NORD ETABLISSEMENTS KUHLMANN, Paris, France.
Filed July 18, 1947. Serial No. 528,874. PUBLISHED AUGUST 1948. Class 43.

504,302. MALLEABLE IRON AND STEEL CASTINGS AND FORGINGS—NAMELY, RAILWAY CAR DRAFT RIGGING CASTINGS AND FORGINGS. THE SYMINGTON-GOULD CORPORATION, Rochester and Depew, N. Y.
Filed July 18, 1947. Serial No. 528,896. PUBLISHED AUGUST 10, 1948. Class 14.

504,303. HAND-OPERATED STAPLING MACHINES OF THE DESK, PLIER, AND TACKER TYPES, AND WIRE STAPLES FOR USE WITH SUCH MACHINES. ACE FASTENER CORPORATION, Chicago, Ill.
Filed July 21, 1947. Serial No. 528,978. PUBLISHED AUGUST 10, 1948. Class 37.

504,304. CREPE PAPER. C. A. REED COMPANY, Williamsport, Pa.
Filed July 23, 1947. Serial No. 529,299. PUBLISHED AUGUST 10, 1948. Class 37.

504,305. CREPE PAPER. C. A. REED COMPANY, Williamsport, Pa.
Filed July 23, 1947. Serial No. 529,301. PUBLISHED AUGUST 10, 1948. Class 37.

503,306. CREPE PAPER. C. A. REED COMPANY, Williamsport, Pa.
Filed July 23, 1947. Serial No. 529,305. PUBLISHED AUGUST 10, 1948. Class 37.

504,307. PHOTOGRAPHIC LENSES AND LENS ASSEMBLIES MOUNTED AS COMPONENT PARTS OF STILL CAMERAS, EXCLUDING MOTION PICTURE CAMERAS. ARGUS, INCORPORATED, Ann Arbor, Mich.
Filed July 24, 1947. Serial No. 529,339. PUBLISHED APRIL 27, 1948. Class 26.

504,308. TECHNICAL AND INDUSTRIAL PAPERS OF ROPE, JUTE, AND/OR RAG MANUFACTURED AND SOLD IN BULK. HOLLINGSWORTH & VOSE COMPANY, East Walpole, Mass.
Filed July 24, 1947. Serial No. 529,386. PUBLISHED AUGUST 10, 1948. Class 37.

504,309. AGRICULTURAL MACHINERY, IMPLEMENTS AND ACCESSORIES — NAMELY, COMBINED HARVESTER THRESHERS (COMBINES), ETC. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn.
Filed July 24, 1947. Serial No. 529,395. PUBLISHED AUGUST 17, 1948. Class 23.

504,310. SHIPS ANCHORS. DANFORTH ANCHORS, Berkeley, Calif.
Filed July 25, 1947. Serial No. 529,441. PUBLISHED JULY 27, 1948. Class 14.

504,311. BOND PAPER, LEDGER PAPER, AND PAPER ENVELOPES. HOWARD PAPER MILLS, INC., Dayton, Ohio.
Filed July 30, 1947. Serial No. 529,993. PUBLISHED AUGUST 10, 1948. Class 37.

504,312. BROACHING MACHINES, BROACHING TOOLS, AND BROACHING TOOL SHARPENING MACHINES. AMERICAN BROACH & MACHINE CO., Ann Arbor, Mich.
Filed July 31, 1947. Serial No. 530,051. PUBLISHED AUGUST 17, 1948. Class 23.

504,313. WIRED AND WIRELESS TWO-WAY ELECTRICAL LOUDSPEAKER OFFICE AND LIKE INTER-COMMUNICATING SYSTEMS, ELECTRICAL PUBLIC ADDRESS APPARATUS AND AMPLIFIERS THEREFOR, AND PARTS THEREFOR. INTER-COMMUNICATION SYSTEM OF AMERICA, INC., Chicago, Ill.
Filed August 1, 1947. Serial No. 530,203. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,314. STORAGE FILES. DIEBOLD, INCORPORATED, Canton, Ohio.
Filed August 4, 1947. Serial No. 530,388. PUBLISHED SEPTEMBER 7, 1948. Class 32.

504,315. COMPACTS AND LIPSTICK HOLDERS. EVANS CASE CO., North Attleboro, Mass.
Filed August 5, 1947. Serial No. 530,486. PUBLISHED AUGUST 31, 1948. Class 2.

504,316. HUNTING KNIVES, FISH KNIVES, SAFETY POCKET AXES AND CAMP AXES. MARBLE ARMS & MFG. COMPANY, Gladstone, Mich.
Filed August 5, 1947. Serial No. 530,535. PUBLISHED AUGUST 17, 1948. Class 23.

504,317. TOILET PAPER. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed August 5, 1947. Serial No. 530,611. PUBLISHED AUGUST 24, 1948. Class 37.

504,318. SOAPS. LOS ANGELES SOAP COMPANY, Los Angeles, Calif.
Filed August 7, 1947. Serial No. 530,746. PUBLISHED AUGUST 24, 1948. Class 4.

504,319. AIR FILTERS FOR USE WITH HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT AND WITH KITCHEN EXHAUST SYSTEMS. RESEARCH PRODUCTS CORPORATION, Madison, Wis.
Filed August 7, 1947. Serial No. 530,764. PUBLISHED SEPTEMBER 7, 1948. Class 31.

504,320. BATTERY CHARGERS, VOLTAGE REGULATORS, BALLASTS, AND REACTORS, ETC. ACME ELECTRIC CORPORATION, Cuba, N. Y.
Filed August 9, 1947. Serial No. 530,889. PUBLISHED AUGUST 24, 1948. Class 21.

504,321. BATTERY CHARGERS, VOLTAGE REGULATORS, BALLASTS, AND REACTORS, ETC. ACME ELECTRIC CORPORATION, Cuba, N. Y.
Filed August 9, 1947. Serial No. 530,891. PUBLISHED AUGUST 24, 1948. Class 21.

504,322. BATTERY CHARGERS, VOLTAGE REGULATORS, BALLASTS, AND REACTORS, ETC. ACME ELECTRIC CORPORATION, Cuba, N. Y.
Filed August 9, 1947. Serial No. 530,892. PUBLISHED AUGUST 24, 1948. Class 21.

504,323. MILK OF MAGNESIA, MAGNESIA TOOTH PASTE AND ASPIRIN TABLETS. WALGREEN CO., Chicago, Ill.
Filed August 11, 1947. Serial No. 531,065. PUBLISHED AUGUST 31, 1948. Class 6.

504,324. RUBBING ALCOHOL. WALGREEN CO., Chicago, Ill.
Filed August 11, 1947. Serial No. 531,066. PUBLISHED AUGUST 31, 1948. Class 6.

504,325. WRITING PAPER (BOND, VELLUM, AND LEDGER). BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass.
Filed August 12, 1947. Serial No. 531,089. PUBLISHED AUGUST 24, 1948. Class 37.

504,326. MEDICINAL PREPARATION CONTAINING CALCIUM, ETC. J. B. ROERIG AND COMPANY, Chicago, Ill.
Filed August 12, 1947. Serial No. 531,147. PUBLISHED AUGUST 17, 1948. Class 6.

504,327. MEDICINAL PREPARATION CONTAINING FERROUS SULPHATE, VITAMINS, CALCIUM PANTOTHENATE, AND NIACINAMIDE USEFUL IN THE TREATMENT OF ANEMIA. J. B. ROERIG AND COMPANY, Chicago, Ill.
Filed August 12, 1947. Serial No. 531,148. PUBLISHED AUGUST 17, 1948. Class 6.

504,328. MEDICINAL PREPARATION, A LACTALBUMIN HYDROLYSATE, USEFUL IN CONDITIONS WHERE PROTEIN INTAKE SHOULD BE AUGMENTED. J. B. ROERIG AND COMPANY, Chicago, Ill.
Filed August 12, 1947. Serial No. 531,149. PUBLISHED AUGUST 17, 1948. Class 6.

504,329. CERTAIN ARTICLES MADE FROM LEATHER, FABRIC, COMPOSITION MATERIALS, PLASTIC MATERIALS, AND COMBINATIONS THEREOF—NAMELY, TRAVELING BAGS, SUIT CASES, TRUNKS, WARDROBE CASES, BRIEF CASES, ETC. BOYLE LEATHER GOODS CO. INC., New York, N. Y.
Filed August 14, 1947. Serial No. 531,296. PUBLISHED AUGUST 17, 1948. Class 3.

504,330. BOTTLE OPENERS, CORK SCREWS, ICE PICKS AND HAMMERS, AND ICE TONGS. BROOKS BROTHERS, New York, N. Y.
Filed August 14, 1947. Serial No. 531,308. PUBLISHED AUGUST 17, 1948. Class 23.

504,331. QUILLS OR BOBBINS, SHIPPING SPOOLS, WINDER SPOOLS, STEAMING SPOOLS, SLUBBER SPOOLS, SPINNER SPOOLS, WARP SPOOLS, SHIPPING BOBBINS, WINDER BOBBINS, STEAMING BOBBINS, SLUBBER BOBBINS, ETC. CLOVERLEAF-FREELAND CORPORATION, Hazleton and Honesdale, Pa.
Filed August 15, 1947. Serial No. 531,441. PUBLISHED AUGUST 24, 1948. Class 23.

504,332. KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C.
Filed August 15, 1947. Serial No. 531,468. PUBLISHED AUGUST 10, 1948. Class 39.

504,333. BUTTONS AND BUCKLES, NOT MADE OF PRECIOUS METAL. B. BLUMENTHAL & CO., INC., New York, N. Y.
Filed August 20, 1947. Serial No. 531,883. PUBLISHED AUGUST 17, 1948. Class 40.

504,334. BUTTONS AND BUCKLES, NOT MADE OF PRECIOUS METAL. B. BLUMENTHAL & CO., INC., New York, N. Y.
Filed August 20, 1947. Serial No. 531,884. PUBLISHED AUGUST 17, 1948. Class 40.

504,335. UTILITY TOOL KITS, ETC. BAYES MANUFACTURING CO. INC., New York, N. Y.
Filed August 21, 1947. Serial No. 531,990. PUBLISHED AUGUST 24, 1948. Class 23.

504,336. WIRE TIES ADAPTED FOR TYING BAGS AND OTHER PURPOSES. ST. REGIS PAPER COMPANY, New York, N. Y.
Filed August 22, 1947. Serial No. 532,172. PUBLISHED AUGUST 31, 1948. Class 7.

504,337. ALL PURPOSE ABSORBENT PAPER TISSUES. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed August 23, 1947. Serial No. 532,229. PUBLISHED AUGUST 3, 1948. Class 37.

504,338. BEDS, COTS, CHAIRS IN THE NATURE OF FURNITURE, SOFAS, SOFA BEDS, BED SPRINGS, BOX SPRINGS, CUSHIONS, PILLOWS, PADS FOR BEDS, CRIBS, AND CHAIRS, AND MATTRESSES. SLUMBER PRODUCTS CORPORATION, Memphis, Tenn.
Filed August 25, 1947. Serial No. 532,347. PUBLISHED AUGUST 31, 1948. Class 32.

504,339. FISH LURES AND ARTIFICIAL BAIT. ROESSLER CORPORATION, Philadelphia, Pa.
Filed August 27, 1947. Serial No. 532,635. PUBLISHED AUGUST 17, 1948. Class 22.

504,340. PRINTING PAPER. FLETCHER PAPER COMPANY, Alpena, Mich.
Filed August 21, 1947. Serial No. 532,672. PUBLISHED AUGUST 24, 1948. Class 37.

504,341. LADIES' APRONS, PINAFORES, BRUNCH COATS, AND SMOCKS. WILLIAM SALOMON, doing business as Dainty Apron Mfg. Co., New York, N. Y.
Filed August 28, 1947. Serial No. 532,759. PUBLISHED AUGUST 24, 1948. Class 39.

504,342. KITCHEN CABINETS. KEYSTONE CABINET COMPANY, Littlestown, Pa.
Filed August 29, 1947. Serial No. 532,833. PUBLISHED AUGUST 17, 1948. Class 32.

504,343. COATED ABRASIVE PRODUCTS HAVING A FLEXIBLE BACKING WITH AN ABRASIVE SECURED TO THE BACKING BY AN ADHESIVE. ARMOUR AND COMPANY, Chicago, Ill.
Filed August 30, 1947. Serial No. 532,900. PUBLISHED AUGUST 24, 1948. Class 4.

532,344. FURNITURE, BEDS, AND BEDDING—NAMELY, NURSES' BEDS, BED SPRINGS, BED SIDES AND PARTS OF AND ACCESSORIES FOR BEDS, MATTRESSES, INNERSPRING MATTRESSES, PILLOWS, DRESSERS, CHIFFONIERS, BEDSIDE CABINETS, NIGHT STANDS, ETC. HARD MANUFACTURING COMPANY, Buffalo, N. Y.
Filed August 30, 1947. Serial No. 532,930. PUBLISHED SEPTEMBER 7, 1948. Class 32.

504,345. WRITING AND PRINTING PAPER. KEITH PAPER COMPANY, Turners Falls, Mass.
Filed September 2, 1947. Serial No. 533,028. PUBLISHED AUGUST 10, 1948. Class 37.

504,346. WRITING AND PRINTING PAPER. KEITH PAPER COMPANY, Turners Falls, Mass.
Filed September 2, 1947. Serial No. 533,030. PUBLISHED AUGUST 10, 1948. Class 37.

504,347. WRITING AND PRINTING PAPER. KEITH PAPER COMPANY, Turners Falls, Mass.
Filed September 2, 1947. Serial No. 533,031. PUBLISHED AUGUST 10, 1948. Class 37.

504,348. PAPER COVERS FOR BRIDGE TABLES. HELEN E. MCBRIDE, doing business as Chittenden Press, Toledo, Ohio.
Filed September 3, 1947. Serial No. 533,188. PUBLISHED AUGUST 10, 1948. Class 37.

504,349. BELTING AND HOSE COMPOSED OF RUBBER OR RUBBER AND FABRIC, RUBBER COVERING AND RUBBER LINING FOR METAL ROLLS, METAL TANKS, PIPES AND FLUES, BRAKE LININGS, AND CLUTCH FACINGS. RAYBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed September 4, 1947. Serial No. 533,390. PUBLISHED AUGUST 24. Class 35.

504,350. LUBRICATING OILS AND LUBRICATING GREASES. E. F. HOUGHTON & Co., Philadelphia, Pa.
Filed September 5, 1947. Serial No. 533,567. PUBLISHED AUGUST 17, 1948. Class 15.

504,351. TWINES, ROPE, SEINE TWINE, TROT LINE, CHALK AND MASON LINES, CABLE LAID CORD, CLOTHES LINE, SASH CORDS, AND SMALL CORDS. THE J. E. FRICKE CO., Philadelphia, Pa.
Filed September 8, 1947. Serial No. 533,722. PUBLISHED AUGUST 10, 1948. Class 7.

504,352. HANDBAGS. MARKAY BAGS, INC., New York, N. Y.
Filed September 8, 1947. Serial No. 533,757. PUBLISHED SEPTEMBER 7, 1948. Class 3.

504,353. BIAS TAPE, RICK-RACK BRAID, BLANKET BINDING. ECONOMY BIAS BINDING CO., INC., New York, N. Y.
Filed September 10, 1947. Serial No. 534,006. PUBLISHED AUGUST 10, 1948. Class 40.

504,354. MONTHLY PERIODICAL. PERIODICAL HOUSE INC., New York, N. Y.
Filed September 11, 1947. Serial No. 534,181. PUBLISHED AUGUST 24, 1948. Class 38.

504,355. PLAIN AND FANCY NARROW KNITTED ELASTIC BANDS, NARROW ELASTIC BRAIDS, AND NARROW ELASTIC WEBBING. THE NARROW FABRIC COMPANY, West Reading, Pa.
Filed September 12, 1947. Serial No. 534,325. PUBLISHED AUGUST 17, 1948. Class 40.

504,356. HAND-BAGS. ATLANTIC PRODUCTS CORPORATION, Trenton, N. J.
Filed September 17, 1947. Serial No. 534,733. PUBLISHED AUGUST 10, 1948. Class 3.

504,357. SOLDERS COMPOSED PRIMARILY OF LEAD AND TIN. ALPHA METALS, INC., Brooklyn, N. Y.
Filed September 24, 1947. Serial No. 535,446. PUBLISHED AUGUST 3, 1948. Class 14.

504,358. SILK THREADS AND ARTIFICIAL SILK THREADS. BELDING HEMINWAY COMPANY, New York, N. Y., assignor to Belding Heminway Company, Inc., New York, N. Y., a corporation of Delaware.
Filed September 24, 1947. Serial No. 535,462. PUBLISHED AUGUST 10, 1948. Class 43.

504,359. SILK AND ARTIFICIAL SILK THREADS. BELDING HEMINWAY COMPANY, New York, N. Y., assignor to Belding Heminway Company, Inc., New York, N. Y., a corporation of Delaware.
Filed September 24, 1947. Serial No. 535,463. PUBLISHED AUGUST 10, 1948. Class 43.

504,360. LUBRICATING OILS AND GREASES. PATE OIL COMPANY, Milwaukee, Wis.
Filed September 24, 1947. Serial No. 535,608. PUBLISHED AUGUST 24, 1948. Class 15.

504,361. AIR BEDS AND CUSHIONS. P. B. COW & CO. LIMITED, London, England.
Filed September 26, 1947. Serial No. 535,823. PUBLISHED AUGUST 24, 1948. Class 32.

504,362. LAXATIVE AND STOMACHIC. DIXIE MEDICINE CO., INC., Morrison, Tenn.
Filed September 26, 1947. Serial No. 535,835. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,363. UNCALENDERED SHEET PAPER—NAMELY, BOND PAPER. SWIGART PAPER COMPANY, Chicago, Ill.
Filed September 27, 1947. Serial No. 536,009. PUBLISHED AUGUST 10, 1948. Class 37.

504,364. DIGITALIS EXTRACT. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed September 29, 1947. Serial No. 536,125. PUBLISHED AUGUST 24, 1948. Class 6.

504,365. DRESSES. CALDWELL-GRAY, INC., San Francisco, Calif.
Filed September 30, 1947. Serial No. 536,231. PUBLISHED AUGUST 10, 1948. Class 39.

504,366. HEAT INSULATING CONTAINERS OF PLASTIC SHEETING, ETC. PLASTIC SHEET FABRICATION, INC., New York, N. Y.
Filed October 2, 1947. Serial No. 536,546. PUBLISHED SEPTEMBER 7, 1948. Class 2.

504,367. PLATFORM ROCKERS. ROCKERS, INC., Sheboygan, Wis.
Filed October 2, 1947. Serial No. 536,548. PUBLISHED AUGUST 24, 1948. Class 32.

504,368. MATTRESSES. SOUTHERN SPRING BED COMPANY, Atlanta, Ga.
Filed October 3, 1947. Serial No. 536,660. PUBLISHED AUGUST 10, 1948. Class 32.

504,369. CHILDREN'S AND INFANTS' PLAYTOGS—NAMELY, SUNSUITS, SUNDRESSES, SUN HATS, SUN BONNETS, CREEPERS, ROMPERS, OVERALLS, AND OVERALL-AND-JACKET SETS. WEE MODERNS, INC., New York, N. Y.
Filed October 4, 1947. Serial No. 536,852. PUBLISHED AUGUST 10, 1948. Class 39.

504,370. FURNITURE—NAMELY, CHAIRS, TABLES, STOOLS, AND RACKS. AMERICAN FIXTURE AND MFG. CO., St. Louis, Mo.
Filed October 6, 1947. Serial No. 536,862. PUBLISHED AUGUST 31, 1948. Class 32.

504,371. VENETIAN BLINDS. MODERN VENETIAN BLINDS, INC., New York, N. Y.
Filed October 6, 1947. Serial No. 536,946. PUBLISHED AUGUST 31, 1948. Class 32.

504,372. BARS, PLATES, HOT-ROLLED STRIP, COLD-ROLLED STRIP, HOT-ROLLED SHEETS, COLD-ROLLED SHEETS, BLACK PLATE, TIN PLATE, TERNE PLATE, WIRE RODS, AND WIRE. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed October 6, 1947. Serial No. 536,973. PUBLISHED JULY 27, 1948. Class 14.

504,373. CHILDREN'S SUN-SUITS, WASH SUITS, SHORTS, PLAY SUITS, AND OVERALLS. LEHMAN-BAER COMPANY, Baltimore, Md.
Filed October 7, 1947. Serial No. 537,053. PUBLISHED AUGUST 10, 1948. Class 39.

504,374. LUGGAGE—NAMELY, TRUNKS, TRAVELLING CASES, OVERNIGHT BAGS, AND SUITCASES. WIDE-A-WAKE LUGGAGE COMPANY, Lawton, Okla.
Filed October 7, 1947. Serial No. 537,117. PUBLISHED AUGUST 17, 1948. Class 3.

504,375. RUBBER CEMENT. LEE RUBBER AND TIRE CORPORATION, Conshohocken, Pa.
Filed October 8, 1947. Serial No. 537,200. PUBLISHED SEPTEMBER 7, 1948. Class 5.

504,376. YARN. JAYMOR YARN CORPORATION, White Plains, N. Y.
Filed October 9, 1947. Serial No. 537,320. PUBLISHED AUGUST 10, 1948. Class 43.

504,377. FUNGICIDAL SOLUTION FOR USE IN THE TREATMENT OF FUNGUS INFECTIONS OF THE SKIN. CROOKES LABORATORIES, INC., New York, N. Y.
Filed October 10, 1947. Serial No. 537,428. PUBLISHED AUGUST 24, 1948. Class 6.

504,378. SHEET AND STRIP METAL. WHEELING STEEL CORPORATION, Wheeling, W. Va.
Filed October 10, 1947. Serial No. 537,535. PUBLISHED JULY 27, 1948. Class 14.

504,379. CORDÉ. FRASER MANUFACTURING CO. INC., New York, N. Y.
Filed October 13, 1947. Serial No. 537,683. PUBLISHED AUGUST 10, 1948. Class 43.

504,380. COPPER BEARING STEEL SHEETS AND GALVANIZED STEEL SHEETS. THE NILES ROLLING MILL COMPANY, Niles, Ohio.
Filed October 13, 1947. Serial No. 537,720. PUBLISHED AUGUST 17, 1948. Class 14.

504,381. GARMENT ENGAGING FASTENERS—NAMELY, BRASSIÈRE HOOKS, CLOTHING HOOKS, FASTENERS, LINKS, RINGS, AND SLIDES. GOVERNOR FASTENER CO., New York, N. Y.
Filed October 16, 1947. Serial No. 538,001. PUBLISHED AUGUST 10, 1948. Class 40.

504,382. BILLFOLDS, BRIEF CASES, TOILET CASES, CARD CASES, KEY CASES, POCKETBOOKS, WALLETS, LEATHER STRAPS FOR LUGGAGE AND PORTFOLIOS. CHARLES L. KING, New York, N. Y.
Filed October 17, 1947. Serial No. 538,147. PUBLISHED AUGUST 17, 1948. Class 3.

504,383. SOLID CARBON DIOXIDE, ANHYDROUS AMMONIA, NITROGEN SOLUTION COMPRISING A SOLUTION OF AMMONIUM NITRATE IN AMMONIA LIQUOR AND AQUA AMMONIA. SPENCER CHEMICAL COMPANY, Kansas City, Mo.
Filed October 17, 1947. Serial No. 538,191. PUBLISHED AUGUST 24, 1948. Class 6.

504,384. JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BROOCHES AND ORNAMENTAL PINS; AND UNMOUNTED PRECIOUS AND SEMI-PRECIOUS STONES. MORGAN & ALLEN COMPANY, San Francisco, Calif.
Filed October 18, 1947. Serial No. 538,309. PUBLISHED AUGUST 24, 1948. Class 28.

504,385. STRINGS FOR MUSICAL INSTRUMENTS. BRITISH MUSIC & TENNIS STRINGS LIMITED, London, England.
Filed October 23, 1947. Serial No. 538,715. PUBLISHED SEPTEMBER 7, 1948. Class 36.

504,386. GUN CASES. THE SCHOELLKOPF COMPANY, Dallas, Tex.
Filed October 23, 1947. Serial No. 538,821. PUBLISHED AUGUST 17, 1948. Class 9.

504,387. BLOOD RESIN ADHESIVE COMPOSITIONS. ARMOUR AND COMPANY, Chicago, Ill.
Filed October 24, 1947. Serial No. 538,848. PUBLISHED SEPTEMBER 7, 1948. Class 5.

504,388. SOLUTIONS AND PREPARATIONS USED FOR PERMANENT WAVING, HAIR DRYING, ETC. EUGENE, LTD., Brooklyn, N. Y.
Filed October 27, 1947. Serial No. 539,143. PUBLISHED AUGUST 31, 1948. Class 6.

504,389. SOLUTIONS AND PREPARATIONS USED FOR PERMANENT WAVING, HAIR DRYING, ETC. EUGENE, LTD., Brooklyn, N. Y.
Filed October 27, 1947. Serial No. 539,145. PUBLISHED AUGUST 31, 1948. Class 6.

504,390. SMOKING TOBACCO. PENN TOBACCO COMPANY, Wilkes-Barre, Pa.
Filed October 31, 1947. Serial No. 539,742. PUBLISHED AUGUST 17, 1948. Class 17.

504,391. LADDER TAPES FOR VENETIAN BLINDS. INTERNATIONAL BRAID COMPANY, Providence, R. I., assignor to International Braid Company (1947), Providence, R. I., a corporation of Rhode Island.
Filed November 3, 1947. Serial No. 539,956. PUBLISHED AUGUST 10, 1948. Class 40.

504,392. MEN'S TRAVELING BAGS. NEW PROCESS COMPANY, Warren, Pa.
Filed November 4, 1947. Serial No. 540,086. PUBLISHED AUGUST 10, 1948. Class 3.

504,393. LADIES' TRAVELING BAGS. NEW PROCESS COMPANY, Warren, Pa.
Filed November 4, 1947. Serial No. 540,087. PUBLISHED AUGUST 10, 1948. Class 3.

504,394. TRAVELING BAGS. BEATRICE P. BOHN, doing business as Ariel Luggage Co., Manasquan, N. J.
Filed November 6, 1947. Serial No. 540,245. PUBLISHED AUGUST 10, 1948. Class 3.

504,395. HANDBAGS. GEM BAG COMPANY, INC., New York, N. Y.
Filed November 6, 1947. Serial No. 540,271. PUBLISHED AUGUST 10, 1948. Class 3.

504,396. MILLINERY BRAIDS. ARMAND SCHWAB & CO., INC., New York, N. Y.
Filed November 6, 1947. Serial No. 540,321. PUBLISHED AUGUST 17, 1948. Class 40.

504,397. TAPE MEASURES. THE WARREN FEATHERBONE CO., Three Oaks, Mich.
Filed August 5, 1947. Serial No. 540,355. PUBLISHED AUGUST 31, 1948. Class 26.

504,398. RUBBER COMBS AND PLASTIC COMBS. VULCANIZED RUBBER AND PLASTICS COMPANY, New York, N. Y.
Filed November 7, 1947. Serial No. 540,490. PUBLISHED AUGUST 10, 1948. Class 40.

504,399. COMBS MADE OF HARD RUBBER OR PYROXYLIN PLASTIC. VULCANIZED RUBBER AND PLASTICS COMPANY, New York, N. Y..
Filed November 7, 1947. Serial No. 540,501. PUBLISHED AUGUST 10, 1948. Class 40.

504,400. INSECTICIDES. AGKEM, INC., Quincy, Ill.
Filed November 12, 1947. Serial No. 540,760. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,401. HAIR TONIC. CONTI PRODUCTS CORPORATION, Brooklyn, N. Y.
Filed November 12, 1947. Serial No. 540,779. PUBLISHED AUGUST 31, 1948. Class 6.

504,402. SOAP. ARMOUR AND COMPANY, Chicago, Ill.
Filed November 13, 1947. Serial No. 540,965. PUBLISHED AUGUST 17, 1948. Class 4.

504,403. PERFUME, COLOGNE, DEODORANT, POMADES, HAIR DRESSINGS, TALCUM, HAND AND FACE LOTIONS, COMPLEXION POWDER, LIPSTICK, AND EAU DE COLOGNE. BO-KAY PERFUME CO., New York, N. Y.
Filed November 13, 1947. Serial No. 540,979. PUBLISHED AUGUST 24, 1948. Class 6.

504,404. RUBBER COMBS AND PLASTIC COMBS. VULCANIZED RUBBER AND PLASTICS COMPANY, New York, N. Y.
Filed November 13, 1947. Serial No. 541,053. PUBLISHED AUGUST 10, 1948. Class 40.

504,405. CREAMY POWDER FOUNDATION TO BE PATTED ON THE SKIN. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed November 14, 1947. Serial No. 541,068. PUBLISHED AUGUST 24, 1948. Class 6.

504,406. MOUNTINGS FOR JEWELRY FOR PERSONAL WEAR, AND FOR FINGER RINGS, BRACELETS, EARRINGS, BROOCHES, LAPEL PINS AND NECKLACES. FEATURE RING CO., INC., New York, N. Y.
Filed November 14, 1947. Serial No. 541,191. PUBLISHED AUGUST 24, 1948. Class 28.

504,407. SEWING THIMBLES. SHAW & LUCAS, INC., Glendale, Calif.
Filed November 14, 1947. Serial No. 541,206. PUBLISHED AUGUST 17, 1948. Class 40.

504,408. ELECTRICAL APPARATUS FOR INDICATING THE DIAMETER OF WIRES, TUBES, OR RODS. STANDARD ELECTRONIC RESEARCH CORPORATION, New York, N. Y.
Filed November 14, 1947. Serial No. 541,218. PUBLISHED AUGUST 31, 1948. Class 26.

504,409. CLOTHESLINES AND SEINE TWINE. FRANK W. WINNE & SON, INC., Philadelphia, Pa.
Filed November 14, 1947. Serial No. 541,244. PUBLISHED AUGUST 17, 1948. Class 7.

504,410. VAT DYES. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed November 15, 1947. Serial No. 541,268. PUBLISHED AUGUST 24, 1948. Class 6.

504,411. COMBS. RAE B. LEVINE, Leominster, Mass.
Filed November 15, 1947. Serial No. 541,307. PUBLISHED AUGUST 10, 1948. Class 40.

504,412. NAIL POLISH, NAIL POLISH REMOVER, BASECOAT AND TOP COAT, CUTICLE REMOVER. NORTHAM WARREN CORPORATION, Stamford, Conn.
Filed November 15, 1947. Serial No. 541,329. PUBLISHED AUGUST 31, 1948. Class 6.

504,413. WALLETS. GAIL NOVELTY COMPANY, New York, N. Y.
Filed November 19, 1947. Serial No. 541,664. PUBLISHED AUGUST 10, 1948. Class 3.

504,414. LUGGAGE—NAMELY, WARDROBES, FITTED CASES, OVERNIGHT CASES, WEEKEND CASES, HAT BOXES, LEATHER VANITY AND MAKEUP CASES, AND UTILITY CASES. CROWN LUGGAGE CO., INC., Baltimore, Md.
Filed August 22, 1947. Serial No. 541,728. PUBLISHED AUGUST 10, 1948. Class 3.

504,415. LUGGAGE—NAMELY, WARDROBES, FITTED CASES, OVERNIGHT CASES, WEEKEND CASES, HAT BOXES, LEATHER VANITY AND MAKE-UP CASES, AND UTILITY CASES. CROWN LUGGAGE CO., INC., Baltimore, Md.
Filed August 22, 1947. Serial No. 541,729. PUBLISHED AUGUST 10, 1948. Class 3.

504,416. TRANSMISSION BELTS. THERMOID COMPANY, Trenton, N. J.
Filed November 21, 1947. Serial No. 541,979. PUBLISHED AUGUST 31, 1948. Class 35.

504,417. CIGARS. GRADIAZ, ANNIS & CO., INC., Tampa, Fla.
Filed November 24, 1947. Serial No. 542,121. PUBLISHED AUGUST 24, 1948. Class 17.

504,418. MANILA ROPE. THE EDWIN H. FITLER CO., Philadelphia, Pa.
Filed August 9, 1947. Serial No. 542,200. PUBLISHED AUGUST 10, 1948. Class 7.

504,419. WRITING PAPER (BOND, VELLUM, AND LEDGER). BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass.
Filed August 12, 1947. Serial No. 542,204. PUBLISHED AUGUST 10, 1948. Class 37.

504,420. CORRESPONDENCE ENVELOPES. THE GRAY ENVELOPE MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed August 16, 1947. Serial No. 542,229. PUBLISHED AUGUST 10, 1948. Class 37.

504,421. HARD FACING ALLOY METAL. KANSAS OXYGEN COMPANY, INC., Hutchinson, Kans.
Filed November 25, 1947. Serial No. 542,322. PUBLISHED AUGUST 10, 1948. Class 14.

504,422. DRILL AND TOOL STEEL. ZIV STEEL & WIRE CO., Chicago, Ill.
Filed November 25, 1947. Serial No. 542,388. PUBLISHED AUGUST 17, 1948. Class 14.

504,423. LADIES' AND MISSES' HATS, SCARFS, MITTENS, GLOVES OF LEATHER, FABRIC, WOOL, AND COMBINATIONS THEREOF, HOODS, AND MUFFS. DOUGLAS OF CALIFORNIA, INC., New York, N. Y.
Filed November 28, 1947. Serial No. 542,547. PUBLISHED AUGUST 24, 1948. Class 39.

504,424. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 28, 1947. Serial No. 542,602. PUBLISHED AUGUST 17, 1948. Class 4.

504,425. PRINTING PAPER. S. D. WARREN COMPANY, Boston, Mass.
Filed October 22, 1947. Serial No. 542,733. PUBLISHED AUGUST 10, 1948. Class 37.

504,426. MEMORANDUM BOOKS. THE ARROW-HART & HEGEMAN ELECTRIC COMPANY, Hartford, Conn.
Filed September 2, 1947. Serial No. 542,899. PUBLISHED AUGUST 10, 1948. Class 37.

504,427. HAIR RINSE. DWAIN S. MARLOW, doing business as Ev-Air Cosmetic Co., Tulsa, Okla.
Filed December 2, 1947. Serial No. 542,959. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,428. WATCHES. WARREN TRADING CORPORATION, New York, N. Y.
Filed December 2, 1947. Serial No. 542,984. PUBLISHED SEPTEMBER 7, 1948. Class 27.

504,429. FACE LOTION, HAND LOTION, FOOT LOTION, TOILET WATER, PERFUMES, FACE CREAM, HAND CREAM, EYE LASH CREAM, ROUGE, LIPSTICK, MASCARA, EYE SHADOW, TALCUM POWDER, FACE POWDER. ASTRINGENT LOTION, AND PORE LOTION. MARIA HORNES, LTD., London, England, assignor to Maria Hornes, Inc., New York, N. Y., a corporation of New York.
Filed December 3, 1947. Serial No. 543,184. PUBLISHED AUGUST 31, 1948. Class 6.

504,430. METALLIC WELDING RODS AND WELDING WIRE. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio.
Filed December 3, 1947. Serial No. 543,198. PUBLISHED AUGUST 17, 1948. Class 14.

504,431. MANICURING FILES AND TWEEZERS, CORN AND CUTICLE KNIVES AND NIPPERS, CORN CHISELS AND NAIL NIPPERS. HERBERT WESTER, doing business as Wester Bros., New York, N. Y.
Filed December 3, 1947. Serial No. 543,241. PUBLISHED AUGUST 24, 1948. Class 44.

504,432. LOTION MAKE-UP FOUNDATION FOR THE SKIN. CARTER PRODUCTS, INC., New York, N. Y.
Filed December 9, 1947. Serial No. 543,775. PUBLISHED JUNE 1, 1948. Class 6.

504,433. HANDLE MOUNTED POT CLEANERS MADE OF METALLIC ABRASIVE MATERIAL. METAL TEXTILE CORPORATION, West Orange, N. J.
Filed December 10, 1947. Serial No. 543,953. PUBLISHED AUGUST 17, 1948. Class 4.

504,434. SILVERPLATED FLAT AND HOLLOW TABLEWARE. ONEIDA LTD., Oneida and Sherrill, N. Y.
Filed December 12, 1947. Serial No. 544,185. PUBLISHED SEPTEMBER 7, 1948. Class 28.

504,435. SILVERPLATED FLAT AND HOLLOW TABLEWARE. ONEIDA LTD., Oneida and Sherrill, N. Y.
Filed December 12, 1947. Serial No. 544,186. PUBLISHED SEPTEMBER 7, 1948. Class 28.

504,436. VETERINARIAN SODIUM PENICILLIN. CUTTER LABORATORIES, Berkeley, Calif.
Filed December 15, 1947. Serial No. 544,331. PUBLISHED AUGUST 24, 1948. Class 6.

504,437. METALLIC CLOSURES FOR RECEPTACLES. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed August 28, 1947. Serial No. 544,519. PUBLISHED AUGUST 17, 1948. Class 50.

504,438. GRINDING AND LAPPING ABRASIVE PASTES. BONIDE, INC., Bay Shore, N. Y.
Filed December 20, 1947. Serial No. 544,972. PUBLISHED AUGUST 31, 1948. Class 4.

504,439. LEAD COVERED OR COATED STEEL OR IRON SHEETS. CONTINENTAL STEEL CORPORATION, Kokomo, Ind.
Filed December 22, 1947. Serial No. 545,095. PUBLISHED AUGUST 17, 1948. Class 14.

504,440. LUGGAGE IDENTIFICATION TAGS. ROYALAYRE COMPANY, Aurora, Ill.
Filed December 22, 1947. Serial No. 545,169. PUBLISHED AUGUST 17, 1948. Class 3.

504,441. REFRIGERATED DISPLAY CASES AND REFRIGERATORS FOR THE PRESERVATION OF FOODSTUFFS. VIKING REFRIGERATORS, INC., Kansas City, Mo.
Filed December 22, 1947. Serial No. 545,200. PUBLISHED SEPTEMBER 7, 1948. Class 31.

504,442. COTTON YARNS. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed January 7, 1948. Serial No. 546,357. PUBLISHED SEPTEMBER 7, 1948. Class 43.

504,443. NICKEL-CONTAINING ALLOY ADDITION AGENT IN CRUSHED FORM FOR ADDITION TO CAST IRON. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed January 10, 1948. Serial No. 546,706. PUBLISHED AUGUST 10, 1948. Class 14.

504,444. CLOTHESLINE. INDUSTRIAL SYNTHETICS CORPORATION, Garwood, N. J.
Filed January 12, 1948. Serial No. 546,774. PUBLISHED AUGUST 31, 1948. Class 7.

504,445. DRESS SHIELDS. RAND RUBBER COMPANY, INC., Brooklyn, N. Y.
Filed January 12, 1948. Serial No. 546,792. PUBLISHED AUGUST 10, 1948. Class 40.

504,446. MACHINERY BELTING AND HOSE MADE OF RUBBER OR RUBBER AND FABRIC. RAYBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed August 14, 1947. Serial No. 546,909. PUBLISHED AUGUST 17, 1948. Class 35.

504,447. MALARIA CHILL AND FEVER TONIC AND FOR AN ALTERATIVE LAXATIVE. J. C. MENDENHALL MEDICINE CO., INCORPORATED, Mount Vernon, Ind.
Filed January 14, 1948. Serial No. 547,014. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,448. CARBON PAPER AND INKED RIBBONS. MANIFOLD SUPPLIES COMPANY, Brooklyn, N. Y.
Filed January 15, 1948. Serial No. 547,136. PUBLISHED AUGUST 31, 1948. Class 11.

504,449. SULFADIAZINE BUFFERED WITH SODIUM CITRATE. AMES COMPANY, INC., Elkhart, Ind.
Filed January 19, 1948. Serial No. 547,416. PUBLISHED AUGUST 31, 1948. Class 6.

504,450. SULFAGUANIDINE BUFFERED WITH SODIUM CITRATE. AMES COMPANY, INC., Elkhart, Ind.
Filed January 19, 1948. Serial No. 547,417. PUBLISHED AUGUST 31, 1948. Class 6.

504,451. SULFATHIAZOLE BUFFERED WITH SODIUM CITRATE. AMES COMPANY, INC., Elkhart, Ind.
Filed January 19, 1948. Serial No. 547,418. PUBLISHED AUGUST 31, 1948. Class 6.

504,452. ULCER INHIBITING PREPARATION. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed January 19, 1948. Serial No. 547,478. PUBLISHED AUGUST 17, 1948. Class 6.

504,453. PROTEIN PREPARATION USEFUL TO PRODUCE POSITIVE NITROGEN BALANCE IN PRESENCE OF PROTEIN DEFICIENCY. GEORGE A. BREON & COMPANY, Kansas City, Mo.
Filed January 21, 1948. Serial No. 547,610. PUBLISHED AUGUST 31, 1948. Class 6.

504,454. GRINDING DISCS AND WHEELS. CHARLES H. BESLY AND COMPANY, Chicago, Ill.
Filed January 26, 1948. Serial No. 547,965. PUBLISHED AUGUST 24, 1948. Class 4.

504,455. FIREWORKS. EMORY HERBERT ROBERTSON, doing business as Robertson Fireworks Company, Fort Worth, Tex.
Filed January 30, 1948. Serial No. 548,409. PUBLISHED AUGUST 17, 1948. Class 9.

504,456. MONTHLY MAGAZINE. THE CONDE NAST PUBLICATIONS INC., New York, N. Y.
Filed January 31, 1948. Serial No. 548,483. PUBLISHED AUGUST 17, 1948. Class 38.

504,457. METALLIC COVERED THREAD. FREDBERG BROS.-STRAUSS, INC., New York, N. Y.
Filed January 31, 1948. Serial No. 548,494. PUBLISHED AUGUST 31, 1948. Class 43.

504,458. ART NEEDLEWORK YARNS. FLEISHER YARNS, INC., Long Island City, N. Y.
Filed February 3, 1948. Serial No. 548,649. PUBLISHED SEPTEMBER 7, 1948. Class 43.

504,459. BARRETTES. STRULSON NOVELTY CORPORATION, New York, N. Y.
Filed February 4, 1948. Serial No. 548,766. PUBLISHED AUGUST 31, 1948. Class 40.

504,460. YARN. DORGIN TEXTILE CORPORATION, New York, N. Y.
Filed February 6, 1948. Serial No. 548,941. PUBLISHED SEPTEMBER 7, 1948. Class 43.

504,461. CLOTHESLINE. INDUSTRIAL SYNTHETICS CORPORATION, Garwood, N. J.
Filed February 9, 1948. Serial No. 549,148. PUBLISHED AUGUST 31, 1948. Class 7.

504,462. WALLETS AND KEY CONTAINERS. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed February 10, 1948. Serial No. 549,253. PUBLISHED AUGUST 31, 1948. Class 3.

504,463. WIRE ROPE. WIRE ROPE MANUFACTURING & EQUIPMENT COMPANY, Seattle, Wash.
Filed February 10, 1948. Serial No. 549,314. PUBLISHED SEPTEMBER 7, 1948. Class 7.

504,464. HAIR WIGS, TOUPEES, AND HUMAN HAIR BRAIDS AND CURLS. BIAGIO TUCCIARONE & CO., INC., New York, N. Y.
Filed February 12, 1948. Serial No. 549,497. PUBLISHED SEPTEMBER 7, 1948. Class 40.

504,465. SNAP BUCKLES. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass.
Filed February 12, 1948. Serial No. 549,596. PUBLISHED AUGUST 31, 1948. Class 40.

504,466. YARN. SPINNERIN YARN CO., INC., South Hackensack, N. J., and New York, N. Y.
Filed February 14, 1948. Serial No. 549,761. PUBLISHED SEPTEMBER 7, 1948. Class 43.

504,467. YARN. SPINNERIN YARN CO., INC., South Hackensack, N. J.
Filed February 14, 1948. Serial No. 549,762. PUBLISHED SEPTEMBER 7, 1948. Class 43.

504,468. BUTTONS. WALTER A. LOGAN, doing business as Truecraft Mfg. Co., Pasadena, Calif.
Filed February 16, 1948. Serial No. 549,813. PUBLISHED SEPTEMBER 7, 1948. Class 40.

504,469. BUTTONS. WALTER A. LOGAN, doing business as Truecraft Mfg. Co., Pasadena, Calif.
Filed February 16, 1948. Serial No. 549,814. PUBLISHED SEPTEMBER 7, 1948. Class 40.

504,470. HOT IRON TRANSFERS EMPLOYED IN PLACING DESIGNS OR THE LIKE UPON FABRIC. MODERN HANDCRAFT, INC., doing business as Aunt Martha's Studios, Kansas City, Mo.
Filed February 16, 1948. Serial No. 549,824. PUBLISHED AUGUST 31, 1948. Class 40.

504,471. LADIES' AND MISSES' FITTED (OVERNIGHT) CASES. S. DRESNER & SON, INC., Chicago, Ill.
Filed February 17, 1948. Serial No. 549,912. PUBLISHED AUGUST 31, 1948. Class 3.

504,472. ORGANIC ESTERS USED AS ANTI-OXIDANTS AND PRESERVATIVES IN PHARMACEUTICAL AND MEDICAL PREPARATIONS, IN ANIMAL OILS, IN ESSENTIAL OILS, IN SOAPS, IN PERFUMES, IN COSMETICS, AND IN FOODSTUFFS. NIPA LABORATORIES LIMITED, London, England.
Filed February 17, 1948. Serial No. 549,943. PUBLISHED AUGUST 31, 1948. Class 6.

504,473. WARDROBE TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed February 17, 1948. Serial No. 549,946. PUBLISHED AUGUST 31, 1948. Class 3.

504,474. TRUNKS: WARDROBE; DRESS; CABIN OR STEAMER; SHOE, SHIRTWAIST, ETC. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed February 17, 1948. Serial No. 549,947. PUBLISHED AUGUST 31, 1948. Class 3.

504,475. HANDBAGS, POCKETBOOKS, AND PURSES. HARRY ROSENFELD, INC., New York, N. Y.
Filed February 18, 1948. Serial No. 550,074. PUBLISHED SEPTEMBER 7, 1948. Class 3.

504,476. MULTI-VITAMIN CAPSULES, VITAMIN A AND D CAPSULES, VITAMIN B1 TABLETS, VITAMIN B COMPLEX TABLETS, AND DEODORANT IN LIQUID FORM FOR PERSONAL USE. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed February 25, 1948. Serial No. 550,504. PUBLISHED AUGUST 31, 1948. Class 6.

504,477. LIQUID SOAP, PINE CLEANSER, AND SWEEPING COMPOUND. SPIRITTINE CHEMICAL COMPANY, Wilmington, N. C.
Filed March 24, 1948. Serial No. 552,890. PUBLISHED AUGUST 24, 1948. Class 4.

504,478. BACTERIA-PRODUCING MIXTURE FOR USE IN SEPTIC TANKS TO SPEED THE NATURAL BACTERIAL ACTION THEREOF. FORREST W. BLEDSOE, doing business as Bledsoe Sanitary Service, Columbus, Ohio.
Filed April 13, 1948. Serial No. 554,466. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,479. SYNTHETIC RESINS IN SOLUTION FORM FOR USE IN TREATING TEXTILES TO IMPROVE THEIR APPEARANCE AND FEEL AND TO INCREASE THEIR RESISTANCE TO DETERIORATION, WEAR, AND SHRINKAGE. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed April 14, 1948. Serial No. 554,582. PUBLISHED SEPTEMBER 7, 1948. Class 6.

Service Marks

504,480. SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN, AND INSTALMENT CREDIT BUSINESS. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del.
Filed July 5, 1947. Serial No. 527,263. PUBLISHED JULY 27, 1948. Class 55.

504,481. SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN, AND INSTALMENT CREDIT BUSINESS. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del.
Filed July 5, 1947. Serial No. 527,265. PUBLISHED JULY 13, 1948. Class 55.

504,482. SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN, AND INSTALMENT CREDIT BUSINESS. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del.
Filed July 5, 1947. Serial No. 527,268. PUBLISHED AUGUST 31, 1948. Class 55.

504,483. SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN, AND INSTALMENT CREDIT BUSINESS. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del.
Filed July 5, 1947. Serial No. 527,273. PUBLISHED AUGUST 31, 1948. Class 55.

504,484. SERVICES OF BANKING AND ACTING AS A FIDUCIARY. TRADESMENS NATIONAL BANK AND TRUST COMPANY, Philadelphia, Pa.
Filed July 30, 1947. Serial No. 530,038. PUBLISHED AUGUST 17, 1948. Class 55.

504,485. FREIGHT TRUCKING. DIRECT TRANSIT LINES, INC., Grand Rapids, Mich.
Filed September 22, 1947. Serial No. 535,227. PUBLISHED AUGUST 31, 1948. Class 55.

Collective Marks

504,486. YARNS. DURENE ASSOCIATION OF AMERICA, New York, N. Y.
Filed February 21, 1948. Serial No. 550,316. PUBLISHED SEPTEMBER 7, 1948. Class 43.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

504,487. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) FEIST FABRICS, INC., New York, N. Y. Filed June 10, 1948. Serial No. 490,585.

"NYLON GLASSÉ"

Applicant claims ownership of registration No. 388,291.
FOR WATERPROOF, COATED PIECE GOODS OF NYLON.
Claims use since Oct. 9, 1945.

504,488. (CLASS 39. CLOTHING.) ERNEST DONATH, Boston, Mass. Filed Sept. 19, 1947. Serial No. 495,453.

Togs and Rigs BY Donath

FOR OUTER SKIRTS, OUTER SHORTS, SLACKS, AND JACKETS, FOR WOMEN, MISSES, AND JUNIORS.
Claims use since Oct. 16, 1945.

504,489. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) SIEBRING MANUFACTURING COMPANY, George, Iowa. Filed June 12, 1948. Serial No. 499,438.

DUZ-ALL

FOR MANURE LOADERS.
Claims use since Nov. 20, 1945.

504,490. (CLASS 11. INKS AND INKING MATERIALS.) HERIBERT, INC., New York, N. Y., assignee of Herbert J. Heribert. Filed Apr. 27, 1948. Serial No. 501,740.

ONCE A PIONEER,
ALWAYS A PIONEER

FOR PRINTING LACQUERS FOR USE ON PLASTIC SHEETINGS.
Claims use since Apr. 30, 1946.

504,491. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FINGER WEEDER COMPANY, Portland, Oreg. Filed June 11, 1948. Serial No. 505,691.

FINGER WEEDER

FOR COMBINATION WEED PULLING AND CULTIVATING TOOLS ADAPTED TO BE FITTED ONTO THE HAND FOR USE AS A HAND TOOL.
Claims use since July 31, 1945.

504,492. (CLASS 39. CLOTHING.) HYMAN SCHLANGER, doing business as Miami Knitting Mills, New York, N. Y. Filed May 27, 1948. Serial No. 508,494.

Bicycle

FOR SWEATERS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Aug. 23, 1946.

504,493. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE RECORD GUILD OF AMERICA, INC., Freeport, N. Y. Filed Sept. 24, 1948. Serial No. 509,034.

TINY TALES

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since May 23, 1946.

504,494. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE RECORD GUILD OF AMERICA, INC., Freeport, N. Y. Filed Sept. 24, 1948. Serial No. 509,035.

TINY TUNES

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Aug. 12, 1946.

504,495. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERTYPE CORPORATION, Brooklyn, N. Y. Filed June 18, 1948. Serial No. 513,251.

FOTOMAT

FOR TYPE-CHARACTER-BEARING ELEMENTS FOR USE IN TYPOGRAPHICAL MACHINES.
Claims use since Oct. 23, 1946.

504,496. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERTYPE CORPORATION, Brooklyn, N. Y. Filed July 23, 1948. Serial No. 513,253.

FOTOSETTER

FOR TYPOGRAPHICAL LINE COMPOSING MACHINES.
Claims use since Sept. 30, 1946.

504,497. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERTYPE CORPORATION, Brooklyn, N. Y. Filed July 23, 1948. Serial No. 513,254.

INTERTYPE
FOTOSETTER

FOR TYPOGRAPHICAL LINE COMPOSING MACHINES.
Claims use since Sept. 30, 1946.

504,498. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERTYPE CORPORATION, Brooklyn, N. Y. Filed June 18, 1948. Serial No. 513,255.

FOTOMAT

FOR TYPE-CHARACTER-BEARING ELEMENTS FOR USE IN TYPOGRAPHICAL MACHINES.
Claims use since Oct. 23, 1946.

504,499. (CLASS 39. CLOTHING.) MIDLAND SHOE COMPANY, St. Louis, Mo. Filed Feb. 2, 1948. Serial No. 513,894.

De Roose

FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRICS, PLASTICS, AND COMBINATIONS OF SUCH MATERIALS.
Claims use since Oct. 22, 1946.

504,500. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MIXERMOBILE MANUFACTURERS, Portland, Oreg. Filed Sept. 22, 1948. Serial No. 514,426.

WAGNERMOBILE

Applicant claims ownership of registrations Nos. 390,393; 402,260; 406,701; 409,059; 411,704; and 422,181.
FOR AUTOMOTIVE MATERIAL HANDLING APPARATUS PARTICULARLY ADAPTED FOR CONSTRUCTION, INDUSTRIAL, AND AGRICULTURAL USES.
Claims use since Nov. 22, 1946.

504,501. (CLASS 39. CLOTHING.) ASH MANUFACTURING COMPANY, Birmingham, Ala. Filed Mar. 12, 1948. Serial No. 515,528.

Joy Lee

FOR CHILDREN'S AND MISSES' DRESSES.
Claims use since August 1945.

504,502. (CLASS 39. CLOTHING.) ALLEE INCORPORATED, Fort Worth, Tex. Filed Apr. 7, 1948. Serial No. 517,689.

Allee

FOR CLOTHING—NAMELY, MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR, OUTER SHIRTS, AND PAJAMAS.
Claims use since Feb. 15, 1945.

504,503. (CLASS 39. CLOTHING.) DAVID CLARK COMPANY, INC., Worcester, Mass. Filed Apr. 15, 1948. Serial No. 519,800.

Clarknit

FOR GIRDLES, FOUNDATION GARMENTS, AND BRASSIÈRES.
Claims use since Mar. 12, 1947.

504,504. (CLASS 27. HOROLOGICAL INSTRUMENTS.) POST WATCH CO., INC., New York, N. Y. Filed Feb. 27, 1948. Serial No. 520,898.

POST

Applicant claims ownership of registrations Nos. 415,599 and 418,367.
FOR WATCHES AND PARTS THEREOF.
Claims use since Oct. 1, 1946.

504,505. (CLASS 39. CLOTHING.) BERKS TEXTILES, INC., West Reading, Pa. Filed May 3, 1948. Serial No. 521,556.

SVELTE
Hosiery

FOR HOSIERY.
Claims use since Apr. 9, 1947.

504,506. (CLASS 7. CORDAGE.) DURO-PERSIAN MFG. CO., INC., East Newark, N. J. Filed Sept. 8, 1948. Serial No. 521,571.

TINSELETTE

FOR CORDAGE—NAMELY, TWINE AND STRING.
Claims use since Apr. 4, 1947.

504,507. (CLASS 43. THREAD AND YARN.) BOTANY MILLS, INC., Passaic, N. J. Filed June 5, 1948. Serial No. 523,099.

LAUNDERIZED

FOR HAND KNITTING YARNS AND MACHINE KNITTING YARNS.
Claims use since Mar. 13, 1947.

504,508. (CLASS 39. CLOTHING.) WEISSMAN & WOLFSON, INC., New York, N. Y. Filed Jan. 2, 1948. Serial No. 523,722.

Marsha Young
ORIGINAL

The name "Marsha Young" is fanciful.
FOR WOMEN'S AND LITTLE WOMEN'S DRESSES.
Claims use since Jan. 2, 1945.

504,509. (CLASS 39. CLOTHING.) BASHORE KNITTING MILLS COMPANY, Schuylkill Haven, Pa. Filed May 25, 1948. Serial No. 524,049.

BASHORE

FOR MEN'S, CHILDREN'S, MISSES' AND LADIES' KNIT UNDERWEAR.
Claims use since January 1947.

504,510. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE MAYER HANDBAG CO., South Norwalk, Conn. Filed Aug. 27, 1948. Serial No. 525,636.

Swing-A-Purse

FOR HANDBAGS.
Claims use since May 28, 1947.

504,511. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CLARY MULTIPLIER CORPORATION, Los Angeles, Calif. Filed Aug. 2, 1948. Serial No. 528,555.

CLARY

FOR ADDING MACHINES.
Claims use since Sept. 1, 1938.

504,512. (CLASS 39. CLOTHING.) LOLA PATE, Houston, Tex. Filed July 12, 1948. Serial No. 528,640.

PANTYBRĒF

FOR WOMEN'S AND MISSES' UNDERWEAR.
Claims use since June 25, 1947.

504,513. (CLASS 39. CLOTHING.) E. N. MARCUS & Co., Boston, Mass. Filed July 9, 1948. Serial No. 529,664.

Diana Dayne

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since June 30, 1947.

504,514. (CLASS 39. CLOTHING.) HANES HOSIERY MILLS CO., Winston-Salem, N. C., and New York, N. Y. Filed July 22, 1948. Serial No. 529,896.

CHALKEE

Applicant claims ownership of registration No. 304,424.
FOR HOSIERY.
Claims use since May 18, 1932.

504,515. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MULTICOMB COMPANY, Pasadena, Calif., assignor to Multicomb, Incorporated, Pasadena, Calif., a corporation of California. Filed Sept. 18, 1948. Serial No. 530,420.

Multicomb

FOR HAIR COMBS.
Claims use since July 14, 1947.

504,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DULCICH BROTHERS, Earlimart, Calif. Filed Aug. 30, 1948. Serial No. 530,478.

Maruska

FOR FRESH GRAPES.
Claims use since July 25, 1947.

504,517. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DULCICH BROTHERS, Earlimart, Calif. Filed Aug. 30, 1948. Serial No. 530,479.

WHITE River

FOR FRESH GRAPES.
Claims use since July 25, 1947.

504,518. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MIGUEL INCLAN, doing business as Mida Record Co., New York, N. Y. Filed Sept. 2, 1948. Serial No. 531,327.

MIDA

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since May 15, 1947.

504,519. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) THE SIDNEY J. GLUCK MFG. CO. INC., New York, N. Y. Filed Aug. 21, 1947. Serial No. 532,009.

FABRICS OF DISTINCTION WITH THAT California TOUCH

FOR WIDE WOVEN SILK, WOOL, RUBBER, COTTON, SYNTHETIC, AND METAL YARN FABRICS SOLD BY THE BOLT.
Claims use since June 16, 1946.

504,520. (CLASS 39. CLOTHING.) LUMBARD-WATSON CO., Auburn, Maine. Filed Aug. 23, 1947. Serial No. 532,242.

Make Your Feet Glad to Walk

FOR SHOES.
Claims use since February 1942.

504,521. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed Sept. 10, 1948. Serial No. 534,194.

Arlington

The drawing is lined for the colors red, blue, and gold.
Applicant claims ownership of registration No. 146,659.
FOR COTTON PIECE GOODS.
Claims use since Feb. 1, 1910.

504,522. (CLASS 39. CLOTHING.) DEAN JONES, INC., Kansas City, Mo. Filed Aug. 16, 1948. Serial No. 540,594.

MARY DEAN

The name "Mary Dean" is fanciful. Applicant claims ownership of registration No. 256,221.
FOR LADIES' FROCKS.
Claims use since Jan. 1, 1923.

504,523. (CLASS 43. THREAD AND YARN.) BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Aug. 25, 1948. Serial No. 541,075.

BURLINGTON

FOR YARNS.
Claims use since Aug. 20, 1947.

504,524. (CLASS 39. CLOTHING.) DICHTER & SCHATZ, INC., New York, N. Y. Filed Dec. 4, 1947. Serial No. 543,283.

Anne Carter

The name "Anne Carter" is fanciful.
FOR WOMEN'S DRESSES.
Claims use since July 13, 1946.

504,525. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENARD & HONNORAT, doing business as Molinard, Grasse (Alpes Maritimes), France. Filed Jan. 30, 1948. Serial No. 548,318.

LE PARFUM DES PARFUMS

Applicant claims ownership of French registration No. 1411.
FOR PERFUMES, TOILET WATER, COLOGNE, FACE POWDER, LIPSTICKS, ROUGE, MASCARA, EYE SHADOW, CREAMS FOR FACE AND SKIN, AND TALCUM POWDER.

504,526. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MORRIS WHITE FASHIONS, INC., New York, N. Y. Filed Aug. 24, 1948. Serial No. 548,984.

WASHETTE

FOR LADIES' AND MISSES' HANDBAGS.
Claims use since Jan. 2, 1947.

504,527. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) LILLIAN TRYSTMAN, doing business as Nadelle Bags, New York, N. Y. Filed May 19, 1948. Serial No. 557,402.

NADELLE

FOR LADIES' HANDBAGS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Apr. 1, 1947.

TRADE-MARK REGISTRATIONS RENEWED

66,319. WAINWRIGHT. Registered Nov. 19, 1907. Alberger Condenser Company. Re-renewed Nov. 19, 1947, to Foster Wheeler Corporation, New York, N. Y., a corporation of New York. EXPANSION JOINTS. Class 13.

67,860. SX. Registered Feb. 25, 1908. The American Thread Company, Jersey City, N. J. Re-renewed Feb. 25, 1948, to The American Thread Company, New York, N. Y., a corporation of New Jersey. SPOOL-COTTON, SEWING-COTTON AND THREAD. Class 43.

67,861. KISMET. Registered Feb. 25, 1908. The American Thread Company, Jersey City, N. J. Re-renewed Feb. 25, 1948, to The American Thread Company, New York, N. Y., a corporation of New Jersey. SPOOL-COTTON, SEWING-COTTON AND THREAD. Class 43.

69,352. CREAMO. Registered June 9, 1908. The Blanton Manufacturing Company. Re-renewed June 9, 1948, to The Blanton Company, St. Louis, Mo., a corporation of Missouri. OLEOMARGARIN. Class 46.

70,710. "WRENN'S" ETC. AND REPRESENTATION OF BIRD. Registered Sept. 29, 1908. The Wrenn Paper Company, Middletown, Ohio, a corporation of Ohio. Re-renewed Sept. 29, 1948. BLOTTING-PAPER. Class 37.

70,802. LIBRARY. Registered Oct. 6, 1908. Sanford Manufacturing Co., Chicago, Ill., Re-renewed Oct. 6, 1948, to Sanford Ink Company, Bellwood, Ill., a corporation of Illinois. PASTE. Class 5.

70,853. PEARS' SOAP. Registered Oct. 13, 1908. A. & F. Pears Limited, London, England. Re-renewed Oct. 13, 1948, to A. & F. Pears Limited, Isleworth, England, a corporation organized under the laws of England. PERFUMED TOILET SOAP. Class 4.

70,922. STROH'S. Registered Oct. 13, 1908. The Stroh Brewery Company. Re-renewed Oct. 13, 1948, to The Stroh Brewery Company, Detroit, Mich., a corporation of Arizona. BEER, STOUT, AND MALT EXTRACT. Classes 6 and 48.

70,947. IDEAL. Registered Oct. 20, 1908. Wilson & Toomer Fertilizer Co., Jacksonville, Fla., a corporation of Florida. Re-renewed Oct. 20, 1948. PLANT-FERTILIZING MATERIALS. Class 10.

71,374. "IL BERSAGLIERE" AND DRAWING. Registered Nov. 24, 1908. George Ehrat. Re-renewed Nov. 24, 1948, to Caravetta Foods Co., Chicago, Ill., a corporation of Illinois. OLIVE-OIL. Class 46.

71,715. TWENTIETH CENTURY KID. Registered Dec. 15, 1908. McNeely & Price. Re-renewed Dec. 15, 1948, to McNeely & Price Co., Philadelphia, Pa., a corporation of Pennsylvania. GLAZED KID. Class 1.

72,187. "GLOBE" AND DESIGN. Registered Jan. 5, 1909. Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Re-renewed Jan. 5, 1949, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. GRAPE-SUGAR, AND CORN-SUGAR. Class 46.

72,292. DE LUXE. Registered Jan. 12, 1909. The Schwarzwaelder Company, Philadelphia, Pa., a corporation of Pennsylvania. Re-newed Jan. 12, 1949. CLOTHS AND WORSTEDS FOR GARMENTS. Class 42.

72,436. OVERLAND. Registered Jan. 26, 1909. Overland Automobile Company, Indianapolis, Ind. Re-renewed Jan. 26, 1949, to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware. AUTOMOBILES. Class 19.

72,681. "THE MULLEN TESTER." AND DESIGN. Registered Feb. 9, 1909. B. F. Perkins & Son, Inc., Holyoke, Mass., a corporation of Massachusetts. Re-renewed Feb. 9, 1949. PAPER TESTING MACHINES. Class 26.

73,087. "PEERLESS" ETC. AND DESIGN. Registered Mar. 16, 1909. The Joel Baily Davis Co., Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Mar. 16, 1949. HOSIERY. Class 39.

73,109. EMERALD. Registered Mar. 16, 1909. Krout & Fite Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Mar. 16, 1949. TAPES AND BINDINGS. Class 40.

182,400. RHODIASETA. Registered Apr. 8, 1924. Societe Rhodiaceta, Paris, France, a corporation existing under the laws of France. Renewed Apr. 8, 1944 (as provided by P. L. 517, July 17, 1946). YARNS AND THREADS OF FIBERS MADE OF CELLULOSE DERIVATIVES. Class 43.

214,065. CANOVA. Registered June 8, 1926. Maury-Cole Company. Renewed Jan. 5, 1948 (Supplemental Register), to Canova Foods, Incorporated, Memphis, Tenn., a corporation of Tennessee. COFFEE, SALAD DRESSING, THOUSAND ISLAND DRESSING, WORCESTERSHIRE SAUCE, ETC. Class 46.

222,105. DONSTEEL. Registered Dec. 21, 1926. Guardian Metals Company, Hamilton, Ohio, a corporation of Delaware. Renewed Dec. 21, 1946. METAL PLATES FOR VAULTS AND SAFES. Class 14.

222,106. DONMETAL. Registered Dec. 21, 1926. Guardian Metals Company, Hamilton, Ohio, a corporation of Delaware. Renewed Dec. 21, 1946. METAL PLATES FOR VAULTS AND SAFES. Class 14.

233,460. CANOVA. Registered Sept. 27, 1927. Maury-Cole Company. Renewed Jan. 5, 1948 (Supplemental Register), to Canova Foods, Incorporated, Memphis, Tenn., a corporation of Tennessee. PEPPER SAUCE. Class 46.

236,755. "QUELS" AND DESIGN. Registered Dec. 20, 1927. McCoy's Laboratories, Inc., New York, N. Y. Renewed Dec. 20, 1947, to Quel Products Inc., Cleveland, Ohio, a corporation of Ohio. DIGESTIVE TABLETS. Class 6.

243,501. SALES TALES. Registered June 26, 1928. The Spalding Publications, Inc., Mount Morris, Ill. Renewed June 26, 1948, to Publishers Digest, Chicago, Ill., a firm. MONTHLY MAGAZINE. Class 38.

243,510. "BATES" AND DESIGN LINED TO INDICATE COLORS OF THE SPECTRUM. Registered June 26, 1928. Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine. Renewed June 26, 1948. COTTON PIECE GOODS AND BEDSPREADS. Class 42.

243,902. LERAX. Registered July 3, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed July 3, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. NOSE AND THROAT SPRAY AND GARGLE. Class 6.

243,913. RINSORA. Registered July 3, 1928. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed July 3, 1948, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. NOSE AND THROAT SPRAY AND GARGLE. Class 6.

245,674. PRISCILLA BOOTT-COLONIAL. Registered Aug. 21, 1928. Boott Mills, Lowell, Mass., a corporation of Massachusetts. Renewed Aug. 21, 1948. TURKISH TOWELS. Class 42.

246,526. JACK FROST. Registered Sept. 11, 1928. Nourse Oil Company, Kansas City, Kans., a corporation of Missouri. Renewed Sept. 11, 1948. LUBRICATING OILS AND LUBRICATING GREASES. Class 15.

246,677. DIX-MAKE. Registered Sept. 11, 1928. Henry A. Dix & Sons Corporation, New York, N. Y., a corporation of New York. Renewed Sept. 11, 1948. WOMEN'S APRONS, COLLARS, AND CUFFS; WOMEN'S APRON, COLLAR, AND CUFF SETS, ETC. Class 39.

246,877. "MONETTE" ETC. AND DESIGN. Registered Sept. 18, 1928. Hoberg Paper and Fibre Company. Renewed Sept. 18, 1948, to Hoberg Paper Mills, Inc., Green Bay, Wis., a corporation of Wisconsin. TOILET PAPER, PAPER TOWELS, AND PAPER NAPKINS. Class 37.

247,275. "BOSS JUMBO" AND DESIGN. Registered Sept. 25, 1928. The Boss Manufacturing Company, Kewanee, Ill., and Brooklyn, N. Y. Renewed Sept. 25, 1948, to The Boss Manufacturing Company, Kewanee, Ill., a corporation of Illinois. WORKMEN'S GLOVES AND MITTENS OF FABRIC AND LEATHER AND FABRIC. Class 39.

247,357. CLOVER LEAF. Registered Sept. 25, 1928. Tilden Produce Company, St. Paul, Minn., a corporation of Minnesota. Renewed Sept. 25, 1948. BUTTER, EGGS, AND CHEESE. Class 46.

247,681. PACTRA. Registered Oct. 2, 1928. Pacific Trading Co., Inc., San Francisco, Calif., a corporation of California. Renewed Oct. 2, 1948. CANNED FISH. Class 46.

247,846. "RED BAND" LINED FOR RED. Registered Oct. 9, 1928. Yawman and Erbe Mfg. Co., Rochester, N. Y., a corporation of New York. Renewed Oct. 9, 1948. LEDGER CARD TRAYS OF SHEET METAL. Class 32.

247,877. WE THEY. Registered Oct. 9, 1928. Maxwell A. Blask, doing business as Personal Stationery Co., San Francisco, Calif. Renewed Oct. 9, 1948, to The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio. PLAYING CARDS. Class 22.

247,916. "SEALED BY BROOKS" AND REPRESENTATION OF THE GLOBE. Registered Oct. 9, 1928. E. J. Brooks and Company, New York, N. Y. Renewed Oct. 9, 1948, to E. J. Brooks Company, Newark, N. J., a corporation of New Jersey. BASE-METAL TRUCK-CAR AND SHIPPING-CASE SEALS, SEALS FOR CONTAINERS AND PACKAGES, AND SEALS FOR TAGS. Class 25.

248,312. LITO. Registered Oct. 16, 1928. Walgreen Co., Chicago, Ill., a corporation of Illinois. Renewed Oct. 16, 1948. FLUID FOR CIGARETTE LIGHTERS. Class 6.

248,759. LIFE-TIME. Registered Oct. 30, 1928. The Billings & Spencer Company. Renewed Oct. 30, 1948, to The Billings & Spencer Company, Hartford, Conn., a corporation of Connecticut. HAND TOOLS—NAMELY, WRENCHES, CHISELS, SCREW DRIVERS, PLIERS, AND HAMMERS. Class 23.

248,837. "FIREFLY" AND REPRESENTATION OF FLY. Registered Oct. 30, 1928. Massachusetts Knitting Mills. Renewed Oct. 30, 1948, to M. K. M. Hosiery Mills, Inc., Boston, Mass., a corporation of Massachusetts. HOSIERY. Class 39.

248,842. METAL MASTER. Registered Oct. 30, 1928. Purox Company, Denver, Colo. Renewed Oct. 30, 1948, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. WELDING AND CUTTING GAS TORCHES. Class 34.

248,862. "Z. B." AND DESIGN. Registered Oct. 30, 1928. Z. B. Yarn Mills, Union City, N. J. Renewed Oct. 30, 1948, to Z. B. Yarn Mills, Inc., West New York, N. J., a corporation of New Jersey. COTTON, RAYON, WOOL, WORSTED, AND TINSEL YARNS AND THREADS. Class 43.

248,863. Z. B. Registered Oct. 30, 1928. Z. B. Yarn Mills, Union City, N. J. Renewed Oct. 30, 1948, to Z. B. Yarn Mills, Inc., West New York, N. J., a corporation of New Jersey. COTTON, RAYON, WOOL, WORSTED AND TINSEL YARNS AND THREADS. Class 43.

249,081. "PHILFUELS" ETC. AND DESIGN. Registered Nov. 6, 1928. Philfuels Company. Renewed Nov. 6, 1948, to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. LIQUEFIED INDUSTRIAL GASES. Class 6.

249,082. "PHILGAS" ETC. AND DESIGN. Registered Nov. 6, 1928. Philfuels Company. Renewed Nov. 6, 1948, to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. CONCENTRATED NATURAL GAS. Class 6.

249,087. SIGNATURE OF KING C. GILLETTE AND PORTRAIT. Registered Nov. 6, 1928. Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Renewed Nov. 6, 1948. CUTTERS WITH REPLACEABLE BLADES—NAMELY, OFFICE KNIVES, CHISEL KNIVES, ETC. Class 23.

249,110. METAL MASTER. Registered Nov. 6, 1928. Purox Company, Denver, Colo. Renewed Nov. 6, 1948, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. GAS PRESSURE REGULATORS. Class 13.

249,111. METAL MASTER. Registered Nov. 6, 1928. Purox Company, Denver, Colo. Renewed Nov. 6, 1948, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. WELDING RODS. Class 14.

249,112. METAL MASTER. Registered Nov. 6, 1928. Purox Company, Denver, Colo. Renewed Nov. 6, 1948, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. RUBBER HOSE FOR USE WITH WELDING AND CUTTING EQUIPMENT. Class 35.

249,117. "GILLETTE" AND DIAMOND SHAPED DESIGN. Registered Nov. 6, 1928. Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Renewed Nov. 6, 1948. CUTTERS WITH REPLACEABLE BLADES—NAMELY, OFFICE KNIVES, CHISEL KNIVES, ETC. Class 23.

249,813. "WARD'S" ETC. AND DESIGN LINED FOR RED AND BLUE. Registered Nov. 20, 1928. Ward Baking Company, New York, N. Y., a corporation of New York. Renewed Nov. 20, 1948. CAKE. Class 46.

249,865. ELECTRO-MATIC. Registered Nov. 20, 1928. Automatic Signal Corporation, New Haven, Conn. Renewed Nov. 20, 1948, to Eastern Industries Incorporated, East Norwalk, Conn., a corporation of Delaware. AUTOMATIC ELECTRIC TRAFFIC-CONTROL SYSTEMS. Class 21.

250,283. RED ROBIN. Registered Dec. 4, 1928. E. Kinerk, Indianapolis, Ind. Renewed Dec. 4, 1948, to Red Robin Stores, Inc., New York, N. Y., a corporation of New York. HOSIERY. Class 39.

250,810. UNISET. Registered Dec. 18, 1928. The Reynolds & Reynolds Company, Dayton, Ohio, a corporation of Ohio. Renewed Dec. 18, 1948. MANIFOLD FORMS. Class 37.

251,045. REPRESENTATION OF TRIANGLE WITH TRANSVERSE BAND. Registered Dec. 25, 1928. Gerber & Co., Inc., New York, N. Y., a corporation of New York. Renewed Dec. 25, 1948. CHEESE. Class 46.

251,205. SUPER-FIN. Registered Jan. 1, 1929. York Heating & Ventilating Corporation, Bridgeport and Philadelphia, Pa. Renewed Jan. 1, 1949, to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware. RADIATORS FOR DIRECT AND INDIRECT HEATING, HEAT-DIFFUSING UNITS FOR INDIRECT HEATING, COMPRISING COILS AND CASINGS ARRANGED FOR CIRCULATION OF AIR ABOUT THE COILS, FANS, ETC. Class 34.

251,377. PARALASTIC. Registered Jan. 8, 1929. American Wringer Company, Inc., Woonsocket, R. I., a corporation of Rhode Island. Renewed Jan. 8, 1949. SQUEEZING ROLLS CONSTRUCTED OF RUBBER ADAPTED FOR USE CHIEFLY IN LAUNDRY AND TEXTILE MACHINERY, ETC. Class 23.

251,381. "RED TOP" LINED FOR RED. Registered Jan. 8, 1929. Yawman and Erbe Mfg. Co., Rochester, N. Y., a corporation of New York. Renewed Jan. 8, 1949. FILING EQUIPMENT, PARTICULARLY FILE GUIDES, FOR FILING CABINETS. Class 32.

251,383. FORD. Registered Jan. 8, 1929. Ford Motor Company, Fordson, Detroit, Mich. Renewed Jan. 8, 1949, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. BELTS OF LEATHER OR FABRIC, PORTABLE TIRE-REPAIR KITS, NONMETALLIC WASHERS, GASKETS, AND TIRE COVERS. Class 35.

251,475. DRAVER MASTER DRIVE. Registered Jan. 8, 1929. B. F. Gump Co., Chicago, Ill., a corporation of Illinois. Renewed Jan. 8, 1949. BLENDING AND MIXING MACHINES FOR BLENDING AND MIXING ALL KINDS OF WHOLE, GRANULATED, OR GROUND GRAINS, ETC. Class 23.

252,070. REYNOCO. Registered Jan. 22, 1929. The Reynolds & Reynolds Company, Dayton, Ohio, a corporation of Ohio. Renewed Jan. 22, 1949. BLANK SLIPS, LEDGER LEAVES, MANIFOLD BOOKS, LOOSE-LEAF BLANKS, CORRESPONDENCE AND MAILING ENVELOPES, ETC. Class 37.

252,082. "ARISTOCRAT" ETC. AND DRAWING. Registered Jan. 22, 1929. Jeddo-Highland Coal Company, Jeddo, Pa., a corporation of Pennsylvania. Renewed Jan. 22, 1949. COAL. Class 1.

252,216. FORD. Registered Jan. 29, 1929. Ford Motor Company, Fordson, Detroit, Mich. Renewed Jan. 29, 1949, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. AUTOMOBILE BODY FLOOR MATS. Class 19.

252,308. CLASS A. Registered Jan. 29, 1929. Olympia Canning Company, Olympia, Wash., a corporation of Washington. Renewed Jan. 29, 1949. CANNED VEGETABLES. Class 46.

252,430. "POWERHOLD RHOADS WATERSHED" AND DESIGN. Registered Feb. 5, 1929. J. E. Rhoads & Sons, Philadelphia, Pa., a firm. Renewed Feb. 5, 1949. LEATHER BELTING. Class 35.

252,431. "J. E. RHOADS & SONS POWER WATERSHED" AND DESIGN. Registered Feb. 5, 1929. J. E. Rhoads & Sons, Philadelphia, Pa., a firm. Renewed Feb. 5, 1949. LEATHER BELTING. Class 35.

252,432. "GRIP-O-TAN" ETC. AND DESIGN. Registered Feb. 5, 1929. J. E. Rhoads & Sons, Philadelphia, Pa., a firm. Renewed Feb. 5, 1949. LEATHER BELTING. Class 35.

252,433. "GILT EDGE" ETC. AND DESIGN. Registered Feb. 5, 1929. J. E. Rhoads & Sons, Philadelphia, Pa., a firm. Renewed Feb. 5, 1949. LEATHER BELTING. Class 35.

252,487. HEXAGON DESIGN. Registered Feb. 12, 1929. Schering-Kahlbaum A. G., Berlin, Germany. Renewed Feb. 12, 1949, to Sherka Chemical Company, Inc., Bloomfield, N. J., a corporation of New York. EXTIRPATING PREPARATIONS FOR INSECTS AND PLANTS, DISINFECTANTS, CHEMICAL FIRE-EXTINGUISHING PREPARATIONS, ETC. Class 6.

252,529. SELECTAN. Registered Feb. 12, 1929. Schering-Kahlbaum A. G., Berlin, Germany. Renewed Feb. 12, 1949, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey. MEDICINAL PREPARATIONS FOR SUBCUTANEOUS AND INTRAVENOUS INJECTION FOR THE TREATMENT OF STREPTOCOCCIC INFECTIONS. Class 6.

252,769. BOSTONET. Registered Feb. 12, 1929. Powdrell & Alexander, Inc., Boston, Mass., a corporation of Massachusetts. Renewed Feb. 12, 1949. PIECE GOODS AND CURTAINS OF COTTON, RAYON, AND COMBINATIONS THEREOF. Class 42.

252,789. LONDON HILL. Registered Feb. 12, 1929. Taylor & Caldwell. Renewed Feb. 12, 1949, to Taylor & Caldwell, Inc., Walkerton, Va., a corporation of Virginia. CANNED VEGETABLES. Class 46.

252,791. TACCA. Registered Feb. 12, 1929. Stunzi Sons Silk Company, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 12, 1949. ARTIFICIAL-SILK CREPE IN THE PIECE. Class 42.

253,541. BLUE VASE. Registered Feb. 26, 1929. Anaheim Citrus Fruit Association, Anaheim, Calif., a corporation of California. Renewed Feb. 26, 1949. FRESH CITRUS FRUITS — NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Class 46.

253,559. DEBONAIR. Registered Feb. 26, 1929. Hartmann Trunk Company. Renewed Feb. 26, 1949, to Hartmann Company, Racine, Wis., a corporation of Wisconsin. WARDROBE CASES, SUITCASES, LUGGAGE HATBOXES, AND HAND CARRYING CASES. Class 3.

253,610. L C. Registered Mar. 5, 1929. J. A. Medina Company, New York, N. Y., a corporation of New York. Renewed Mar. 5, 1949. GREEN COFFEE. Class 46.

253,825. THE ARNOLTON. Registered Mar. 5, 1929. Arnold, Constable & Co., Inc., New York, N. Y., a corporation of New York. Renewed Mar. 5, 1949. WOMEN'S AND CHILDREN'S COATS, SUITS, OVERCOATS, HATS, VESTS FOR OUTER WEAR, AND CLOAKS. Class 39.

253,859. SUNDIAL. Registered Mar. 5, 1929. Chula Vista Citrus Association. Renewed Mar. 5, 1949, to The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California. FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Class 46.

253,860. "COMMODORE" AND DRAWING. Registered Mar. 5, 1929. Commander Milling Company. Renewed Mar. 5, 1949, to Commander Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

253,951. STAN EREK. Registered Mar. 12, 1929. The Enro Shirt Company, Inc., Louisville, Ky., a corporation of Kentucky. Renewed Mar. 12, 1949. NEGLIGEE AND DRESS SHIRTS. Class 39.

254,076. LAPODO. Registered Mar. 12, 1929. Sargeant Acnoid Pharmaceutical Co. Inc., East Orange, N. J. Renewed Mar. 12, 1949, to Stanley M. Sargeant, Highland Mills, N. Y. OINTMENT FOR LOCAL USE TO RELIEVE PAIN AND SORENESS. Class 6.

254,093. OLD MASTER. Registered Mar. 12, 1929. Baker Brush Co., Inc., New York, N. Y., a corporation of New York. Renewed Mar. 12, 1949. ARTISTS' BRUSHES. Class 29.

254,284. "MY WEEKLY READER" ENCLOSED IN RECTANGULAR BORDER. Registered Mar. 19, 1929. American Education Press, Inc. Renewed Mar. 19, 1949, to The Educational Printing House, Inc., Columbus, Ohio, a corporation of Ohio. WEEKLY PUBLICATION. Class 38.

254,333. PARALEEN. Registered Mar. 19, 1929. Newark Paraffine & Parchment Paper Co., Newark, N. J., a corporation of New Jersey. Renewed Mar. 19, 1949. WAX PAPER. Class 37.

TRADE-MARK REGISTRATIONS CANCELED

196,513. ANCALITE. Registered Mar. 17, 1925. The Anchor Cable Company, Ltd., London, England. RUBBER INSULATED ELECTRIC CABLES. Class 21. Canceled Oct. 29, 1948.

276,210. JU-C-ORANGE. Registered Oct. 14, 1930. Max Krim, Lebanon, Pa. NONALCOHOLIC BEVERAGES, ETC. Class 45. Canceled Aug. 11, 1948.

280,147. ENS—EM. Registered Feb. 10, 1931. Ralph Galowin, Brooklyn, N. Y. PREPARATION FOR KILLING MOTHS. Class 6. Canceled Oct. 29, 1948.

295,258. CLAPP + CLAPP. Registered June 21, 1932. George Wood Clapp, New York, N. Y., Orlando, Fla., and Reading, Pa. FRESH ORANGES AND GRAPEFRUIT. Class 46. Canceled Oct. 22, 1948.

375,086. FERRO-BOND. Registered Feb. 6, 1940. E. J. Lavino and Company, Philadelphia, Pa. EXPANSION PLATES FOR BASIC FURNACE CONSTRUCTION. Class 12. Canceled Oct. 29, 1948.

381,433. MOPAR. Registered Sept. 24, 1940. Motor Parts & Supply Co., Liberal, Kans. CRANK SHAFTS, ETC. Class 23. Canceled Oct. 1, 1948.

387,322. NORDIC MAID AND DESIGN. Registered May 13, 1941. Nordic Baking and Importing Company, Seattle, Wash. PREPARED FOOD PRODUCTS, ETC. Class 46. Canceled Oct. 29, 1948.

398,667. RYE CRUNCH AND DESIGN. Registered Nov. 17, 1942. Nordic Baking and Importing Company, Seattle, Wash. KNACKEBROD—NAMELY, SWEDISH STYLE FLAT RYE WAFERS. Class 46. Canceled Oct. 29, 1948.

400,634. PONAMIE. Registered Mar. 23, 1943. Pondel Fabrics, Inc., Pawtucket, R. I. FABRICS IN THE PIECE MADE OF RAYON. Class 42. Canceled Oct. 15, 1948.

416,795. VAL-COLE AND DESIGN. Registered Sept. 25, 1945. Frances Bleach Mike, Newark, N. J. SCALP AND HAIR DRESSING POMADES. Class 6. Canceled Oct. 29, 1948.

429,854. STAG. Registered May 20, 1947. Metal-Lite Products Specialty Manufacturing Company, Bay City, Mich. ARCHERY EQUIPMENT, ETC. Class 22. Canceled Oct. 29, 1948.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

240,475. BOYD'S. Registered Mar. 27, 1928. Boyd-Richardson Company, St. Louis, Mo. JACKETS (INCLUDING LUMBER JACKETS, ETC.). Class 39. Corrected as follows: In the statement, column 1, line 8, the comma after "jackets" should be deleted and the word *and* inserted in lieu thereof; lines 9 and 10, ", and wind-breakers" should be deleted; line 26, the comma after "jackets" should be deleted; line 27, "wind-breakers" should be deleted; line 39, the comma after "lumber jackets" should be deleted and the word *and* inserted in lieu thereof; line 40, ", and wind-breakers" should be deleted; column 2, line 8, "wind-breakers," should be deleted.

243,164. TIOLENE. Registered June 12, 1928. The Pure Oil Company, Chicago, Ill. HYDROCARBON MOTOR FUELS—NAMELY, GASOLINE, KEROSENE, BENZENE DISTILLATE—AND GREASES. Class 15. Corrected as follows: In the renewal certificate, line 2, State of incorporation, for "Illinois" read *Ohio*.

295,718. BATTLEDECK. Registered July 12, 1932. The Logan-Long Company, Chicago, Ill. BUILDING MATERIAL, ETC. Class 12. Corrected as follows: In the certificate, line 4, and in the statement, line 4, "Illinois" should be *Ohio*; and in the statement, lines 5 and 6, "37 West Van Buren Street, Chicago, Illinois" should be *6600 South Central Avenue, Chicago 38, Illinois*.

440,175. GBC. AND DESIGN. Registered Aug. 17, 1948. Greif Bros. Cooperage Corporation, Cleveland, Ohio. GARMENT HANGERS AND CARDBOARD ANTI-CREASING GUARDS THEREFOR. Class 50. Corrected as follows: In the certificate, lines 2 and 15; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, "Greif Bros. Cooperage Corporation" should be *The Greif Bros. Cooperage Corporation*.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 161,316. Registered Nov. 7, 1922. TANNERS PRODUCTS COMPANY, Chicago, Ill. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

OZITE

FOR HAIR.
Claims use since Oct. 24, 1921.

Reg. No. 179,232. Registered Feb. 5, 1924. LAURENCE E. TIERNEY FUEL COMPANY, Bluefield, W. Va. Republished by Eastern Coal Sales Company, Bluefield, W. Va., a corporation of West Virginia.

"MOHAWK"

FOR COAL.
Claims use since January 1920.

Reg. No. 221,212. Registered Nov. 23, 1926. BLACK STAR COAL COMPANY, Louisville, Ky. Republished by Black Star Coal Corporation, Louisville, Ky., a corporation of Kentucky.

BLACK STAR

FOR COAL.
Claims use since 1921.

Reg. No. 277,501. Registered Nov. 11, 1930. GEO. LAUB'S SONS, Buffalo, N. Y., a firm. Republished by registrant.

LAUB

FOR LEATHER.
Claims use since 1846.

Reg. No. 289,728. Registered Dec. 1, 1931. BLACK STAR COAL COMPANY, Louisville, Ky. Republished by Black Star Coal Corporation, Louisville, Ky., a corporation of Kentucky.



The word "Coal" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since June 10, 1931.

Reg. No. 301,085. Registered Feb. 14, 1933. BECK, KOLLER & COMPANY, INC., Detroit, Mich. Republished by Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware.



The words "Plastic Resins" are disclaimed apart from the mark as shown.
FOR PLASTIC SYNTHETIC RESINS.
Claims use since Sept. 16, 1931.

Reg. No. 301,493. Registered Mar. 7, 1933. BECK, KOLLER & COMPANY, INC., Detroit, Mich. Republished by Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware.

KOPOL
SYNTHETIC RESIN

The words "Synthetic Resin" are disclaimed apart from the mark as shown.
FOR SYNTHETIC RESINS.
Claims use since Feb. 19, 1929.

Reg. No. 397,817. Registered Sept. 22, 1942. EASTERN COAL SALES COMPANY, Bluefield, W. Va., a corporation of West Virginia. Republished by registrant.



FOR BITUMINOUS COAL.
Claims use since Sept. 14, 1937.

Reg. No. 402,082. Registered June 29, 1943. EASTERN COAL SALES COMPANY, Bluefield, W. Va., a corporation of West Virginia. Republished by registrant.



The word "Freeburn" is disclaimed apart from the mark as shown.
FOR BITUMINOUS COAL.
Claims use since Dec. 1, 1942.

Reg. No. 402,083. Registered June 29, 1943. EASTERN COAL SALES COMPANY, Bluefield, W. Va., a corporation of West Virginia. Republished by registrant.



The words "Heavy Duty Stoker Coal" are disclaimed apart from the mark as shown.
FOR BITUMINOUS COAL.
Claims use since Oct. 2, 1942.

Reg. No. 402,084. Registered June 29, 1943. EASTERN COAL SALES COMPANY, Bluefield, W. Va., a corporation of West Virginia. Republished by registrant.



The word "Pocahontas" is disclaimed apart from the mark as shown.
FOR BITUMINOUS COAL.
Claims use since Dec. 1, 1942.

Reg. No. 410,091. Registered Nov. 7, 1944. REICHHOLD CHEMICALS, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

PLYAMINE

FOR SYNTHETIC PLASTIC RESINS.
Claims use since May 13, 1944.

Reg. No. 414,133. Registered May 29, 1945. REICHHOLD CHEMICALS, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

RESYNTHETICS

FOR PROCESSED OILS, SYNTHETIC OILS, RESINS, SYNTHETIC RESINS, AND PROCESSED NATURAL RESINS FOR USE IN OIL CLOTH, SHADE CLOTH, AND LINOLEUM, AND SYNTHETIC RESINS AND PROCESSED NATURAL RESINS FOR USE IN TEXTILE AND PAPER PRODUCTS GENERALLY.
Claims use since June 30, 1943.

CLASS 2

RECEPTACLES

Reg. No. 208,209. Registered Jan. 19, 1926. FRANK G. SHATTUCK COMPANY, Boston, Mass., and New York, N. Y., a corporation of Massachusetts. Republished by registrant.

DRI-PAC

FOR ICE-CREAM CONTAINERS OF PAPER.
Claims use since Aug. 1, 1925.

Reg. No. 214,257. Registered June 15, 1926. GEUDER, PAESCHKE & FREY CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



The word "Container" is disclaimed apart from the mark as shown.
FOR METAL CONTAINERS IN THE FORM OF CANS AND DRUMS OF VARIOUS SIZES USED FOR THE PACKAGING AND SHIPPING OF PAINTS, TAR PRODUCTS, WAX, AND THE LIKE.
Claims use since Nov. 17, 1925.

Reg. No. 320,512. Registered Jan. 1, 1935. RALPH W. WILSON COMPANY, INC., New York, N. Y. Republished by Ralph W. Wilson, New York, N. Y.

"Tip-Top"

FOR NON-NOBLE METAL CONTAINERS FOR FACE POWDER AND THE LIKE.
Claims use since July 11, 1934.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 366,634. Registered Apr. 25, 1939. STIX, BAER AND FULLER COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.



FOR TRUNKS, BILL FOLDS, BRIEF CASES, SUIT CASES, DRESSING CASES, TRAVELING BAGS, SCHOOL BAGS, POCKETBOOKS, PORTFOLIOS, PURSES, LADIES' HANDBAGS, VALISES, GRIPS, WALLETS, AND SATCHELS.
Claims use since Jan. 1, 1938.

Reg. No. 412,706. Registered Mar. 20, 1945. ARKWRIGHT, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

First Lady

FOR LADIES' HAND-BAGS, POCKETBOOKS, HAT BOXES, WALLETS, BILLFOLDS, PORTFOLIOS, SUITCASES, AND TRUNKS, MADE WHOLLY OR IN PART OF LEATHER AND/OR FABRICS.
Claims use since Jan. 1, 1930.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 83,462. Registered Sept. 12, 1911. J. A. WRIGHT & Co., Keene, N. H., a corporation of New Hampshire. Republished by registrant.

WRIGHT'S

FOR SILVER AND METAL POLISH.
Claims use since Jan. 1, 1873.

Reg. No. 135,022. Registered Sept. 21, 1920. THE NAPCO CORPORATION, Indianapolis, Ind. Republished by The Barbasol Company, Indianapolis, Ind., a corporation of Delaware.

Barbasol

FOR PASTE-LIKE PREPARATION FOR SHAVING AND SKIN-HEALING PURPOSES.
Claims use since September 1919.

Reg. No. 245,858. Registered Aug. 21, 1928. THE BARBASOL COMPANY, Indianapolis, Ind., a corporation of Delaware. Republished by registrant.



The drawing is lined for red and blue color. The representation of the cartoon and the geographical term "Indianapolis, U. S. A.," are disclaimed apart from the mark as shown.
FOR A PASTE-LIKE PREPARATION FOR SHAVING WITH INCIDENTAL SKIN-HEALING PROPERTIES.
Claims use since Sept. 19, 1919.

Reg. No. 278,186. Registered Dec. 9, 1930. THE WHISKO COMPANY, INC., Indianapolis, Ind. Republished by The Barbasol Company, Indianapolis, Ind., a corporation of Delaware.

Whisko

FOR SHAVING CREAM.
Claims use since July 12, 1930.

Reg. No. 316,967. Registered Sept. 11, 1934. OMAR CHEMICAL COMPANY, Columbus, Ohio. Republished by George T. Gusler, Columbus, Ohio.



The word "Clean" is disclaimed apart from the mark as shown.
FOR PREPARATION FOR CLEANING WALLPAPER.
Claims use since Feb. 1, 1932.

Reg. No. 409,161. Registered Feb. 19, 1944. COSMET COMPANY, Minneapolis, Minn., a firm. Republished by registrant.

CosmaKleen

The word "Kleen" is disclaimed apart from the mark as shown.
FOR LENS CLEANING PREPARATION.
Claims use since Mar. 16, 1944.

CLASS 5

ADHESIVES

Reg. No. 318,609. Registered Oct. 30, 1934. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN HUR

FOR FRICTION TAPE.
Claims use since on or about June 1, 1915.

Reg. No. 409,382. Registered Oct. 3, 1944. REICHHOLD CHEMICALS, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

PLYOPHEN

FOR SYNTHETIC PLASTIC RESINS AND SOLUTIONS CONTAINING THE SAME FOR BONDING, LAMINATING, ADHESIVE PURPOSES.
Claims use since Dec. 12, 1942.

Reg. No. 411,720. Registered Jan. 30, 1945. REICHHOLD CHEMICALS, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

PLYAMINE

FOR SYNTHETIC PLASTIC RESINS AND SOLUTIONS CONTAINING THE SAME FOR BONDING, LAMINATING, AND ADHESIVE PURPOSES.
Claims use since May 13, 1944.

Reg. No. 415,920. Registered Aug. 21, 1945. REICHHOLD CHEMICALS, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

LAMINITE

FOR SYNTHETIC RESINS AND SOLUTIONS CONTAINING THE SAME FOR BONDING, LAMINATING, AND ADHESIVE PURPOSES.
Claims use since Dec. 28, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 36,799. Registered July 23, 1901. THE EMBALMERS SUPPLY CO., Westport, Conn. Republished by The C. B. Dolge Company, Westport, Conn., a corporation of Connecticut.

FRACRINE

FOR LIQUID DISINFECTANTS.
Claims use since Mar. 1, 1901.

Reg. No. 89,786. Registered Jan. 7, 1913. WILBUR F. YOUNG, Springfield, Mass. Republished by W. F. Young, Inc., Springfield, Mass., a corporation of Massachusetts.

Absorbine Jr.

FOR LINIMENT.
Claims use since on or about 1896.

Reg. No. 101,958. Registered Jan. 19, 1915. WILLIAM W. LEE & CO., Watervliet and Troy, N. Y. Republished by William W. Lee & Co. (1945), Watervliet, N. Y., a partnership.

Save the Baby

FOR CROUP REMEDY.
Claims use since Jan. 1, 1875.

Reg. No. 166,265. Registered Mar. 27, 1923. MEYER, FOOTE & DAYTON CO., Rochester, N. Y., a corporation of New York. Republished by registrant.

IDEAL

FOR BLUING.
Claims use since 1907.

Reg. No. 219,670. Registered Oct. 19, 1926. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

Ra-O-Mist

FOR LIQUID SPRAY USED AS AN INSECTICIDE AND GERMICIDE FOR KILLING FLIES, MOTHS, FLEAS, MOSQUITOES, ANTS, ROACHES, BEDBUGS, AND OTHER HOUSEHOLD INSECTS AND THE LARVAE AND EGGS OF SOME INSECTS.
Claims use since Apr. 1, 1926.

Reg. No. 243,733. Registered June 26, 1928. BRADLEY'S LABORATORY, Matoaka, W. Va. Republished by Hy-Phen Corporation, Matoaka, W. Va., a corporation of West Virginia.

HY-PHEN

FOR ANALGESIC AND SEDATIVE PREPARATIONS FOR RELIEF OF DISCOMFORTS OF HEADACHE, COLDS, NEURALGIA, RHEUMATISM, LUMBAGO, SCIATICA, PERIODIC AND OTHER COMMON PAINS.
Claims use since April 1927.

Reg. No. 245,446. Registered Aug. 14, 1928. ARNOLD LOUIS VAN AMERINGEN, New York, N. Y. Republished by van Ameringen-Haebler, Inc., New York, N. Y., a corporation of New York.

FLOMINE

FOR ESSENCES OF PERFUMES, ESSENCES FOR PERFUMERY MATERIALS, AROMATIC MATERIALS, SYNTHETIC PERFUME MATERIALS, ODORIFEROUS MATERIALS, AND ETHERAL OILS.
Claims use since Oct. 15, 1927.

Reg. No. 251,039. Registered Dec. 25, 1928. THE DRACKETT CHEMICAL COMPANY, Cincinnati, Ohio. Republished by The Drackett Company, Cincinnati, Ohio, a corporation of Ohio.

D

FOR EPSOM SALT.
Claims use since Aug. 3, 1928.

Reg. No. 286,228. Registered Aug. 25, 1931. THE URBANA LABORATORIES, Urbana, Ill., a firm. Republished by registrant.

RICH-OR-POOR

FOR SOLUTION FOR TESTING SOILS FOR ACIDITY.
Claims use since February 1922.

Reg. No. 297,808. Registered Oct. 4, 1932. THE C. B. DOLGE COMPANY, Westport, Conn., a corporation of Connecticut. Republished by registrant.

DOLCO

FOR INSECTICIDES, RODENTICIDES, GERMICIDES, SOLVENTS FOR CLEANING GREASY WALLS AND WOODWORK AND REMOVAL OF CHEWING GUM, DISINFECTANTS, AND DEODORIZERS, NONE OF THE FOREGOING MADE OF OR CONTAINING PARADICHLORBENZENE AS AN INGREDIENT OR USED IN CONNECTION WITH THE PRODUCTION OF, OR FOR THE PROTECTION OF AGRICULTURAL, FLORICULTURAL, OR HORTICULTURAL PRODUCTS.
Claims use since 1926.

Reg. No. 301,102. Registered Feb. 14, 1933. BECK, KOLLER & COMPANY, INC., Detroit, Mich. Republished by Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware.

ESTER SYNTHE-COPAL GUM

The words "Ester Gum" and "Copal" are disclaimed apart from the mark as shown.

FOR ESTER GUMS.

Claims use since Mar. 16, 1914.

Reg. No. 301,663. Registered Mar. 7, 1933. THE URBANA LABORATORIES, Urbana, Ill., a firm. Republished by registrant.

Lac-hi-potash

The word "Potash" is disclaimed apart from the mark as shown.

FOR CHEMICAL REAGENTS FOR USE IN TESTING THE AVAILABLE AND WATER SOLUBLE POTASSIUM IN SOILS.

Claims use since Mar. 1, 1932.

Reg. No. 403,035. Registered Aug. 31, 1943. BONCILLA LABORATORIES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

Boncilla

FOR FACE PACK COSMETIC, WHITE FACE PACK COSMETIC, COLD CREAM, VANISHING CREAM, FACE POWDER, CLEANSING CREAM, LEMON CREAM, DENTAL CREAM, SKIN SOFTENER, HEALING CREAM, SKIN LOTION (ASTRINGENT), LIP STICK, ROUGE, DEPILATORY, ZINC STEARATE POWDER, BATH POWDER, BATH CRYSTALS, PERFUME, TOILET WATER, TALCUM POWDER, AND SHAMPOO.

Claims use since June 1916.

Reg. No. 414,133. Registered May 29, 1945. REICHHOLD CHEMICALS, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

RESYNTHETICS

FOR PROCESSED OILS, SYNTHETIC OILS, RESINS, SYNTHETIC RESINS, AND PROCESSED NATURAL RESINS FOR USE IN OIL CLOTH, SHADE CLOTH, AND LINOLEUM, AND SYNTHETIC RESINS AND PROCESSED NATURAL RESINS FOR USE IN TEXTILE AND PAPER PRODUCTS GENERALLY.

Claims use since June 30, 1943.

Reg. No. 425,673. Registered Nov. 26, 1946. VAN PATTEN PHARMACEUTICAL CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Thyrobrom

FOR BROMINATED THYROID PRODUCTS.

Claims use since on or about Mar. 27, 1946.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 106,662. Registered Oct. 26, 1915. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Republished by The Ohio Match Company, Wadsworth, Ohio, a corporation of Delaware.

ROSEBUD

FOR MATCHES.

Claims use since May 6, 1914.

Reg. No. 186,690. Registered July 22, 1924. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Republished by The Ohio Match Company, Wadsworth, Ohio, a corporation of Delaware.

BLUE TIP

The words "Blue Tip" are disclaimed apart from the mark as shown. The lining indicates different shades of blue.

FOR MATCHES.

Claims use since Mar. 6, 1905.

Reg. No. 211,533. Registered Apr. 13, 1926. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Republished by The Ohio Match Company, Wadsworth, Ohio, a corporation of Delaware.

OHIO RED LABEL MATCHES

The words "Ohio," "Red Label," and "Matches" are disclaimed apart from the mark as shown. The drawing is lined to indicate the colors red and blue.

FOR MATCHES.

Claims use since Oct. 12, 1923.

Reg. No. 211,534. Registered Apr. 13, 1926. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Republished by The Ohio Match Company, Wadsworth, Ohio, a corporation of Delaware.

PLA-SAFE

The word "Safe" is disclaimed apart from the mark as shown.

FOR MATCHES.

Claims use since Apr. 30, 1915.

Reg. No. 247,789. Registered Oct. 2, 1928. AMERICAN HAIR FELT COMPANY, Chicago, Ill. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

OZITE

FOR GUN WADDING.

Claims use since June 12, 1928.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 338,047. Registered Aug. 25, 1936. CHEMCO PHOTOPRODUCTS COMPANY, Glen Cove, N. Y. Republished by Chemco Photoproducts Company, Inc., Glen Cove, N. Y., a corporation of New York.

POWERS Glascote ENAMEL

The word "Enamel" is disclaimed apart from the mark as shown.

FOR ETCHING ENAMEL FOR ENGRAVERS' PLATES.

Claims use since Jan. 1, 1934.

Reg. No. 413,965. Registered May 22, 1945. REICHHOLD CHEMICALS, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

RESYNTHETICS

FOR PROCESSED OILS, SYNTHETIC OILS, RESINS, SYNTHETIC RESINS AND PROCESSED NATURAL RESINS, ALL FOR USE IN PRINTERS' INKS, AND IN INKING MATERIALS TO BE APPLIED TO PAPER, TEXTILES, OIL CLOTH, LINOLEUM, WALL PAPER, AND FOR USE IN PRINTING ON RUBBER, LEATHER AND THE LIKE.

Claims use since June 30, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 46,333. Registered Sept. 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

ACME

FOR LININGS OF INSULATING MATERIAL.

Claims use since 1895.

Reg. No. 46,334. Registered Sept. 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

PHOENIX

FOR LININGS OF INSULATING MATERIAL.

Claims use since 1901.

Reg. No. 46,335. Registered Sept. 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

ARCTIC

FOR LININGS OF INSULATING MATERIALS.

Claims use since February 1904.

Reg. No. 46,336. Registered Sept. 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

KEYSTONE

FOR LININGS OF INSULATING MATERIAL.

Claims use since March 1895.

Reg. No. 46,337. Registered Sept. 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

NEPTUNE

FOR LININGS OF INSULATING MATERIAL.

Claims use since 1895.

Reg. No. 47,364. Registered Oct. 31, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.



FOR LININGS OF INSULATING MATERIAL.

Claims use since March 1895.

Reg. No. 48,212. Registered Dec. 19, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

SALAMANDER

FOR LININGS OF INSULATING MATERIAL.
Claims use since 1901.

Reg. No. 88,090. Registered Aug. 27, 1912. KEYSTONE HAIR INSULATOR CO., Pittsburgh, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

HOUSELIN

FOR INSULATING MATERIAL, CONSISTING OF SHEETS OF PAPER OR CLOTH WITH FELTING-HAIR BETWEEN THEM.
Claims use since May 3, 1911.

Reg. No. 144,592. Registered July 12, 1921. KEYSTONE HAIR INSULATOR COMPANY, Pittsburgh, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

CARINSUL

FOR INSULATING-SHEETING ADAPTED FOR USE IN THE CONSTRUCTION OF BUILDINGS, CARS, REFRIGERATORS, AND OTHER STRUCTURES.
Claims use since Jan. 3, 1921.

Reg. No. 169,332. Registered June 12, 1923. AMERICAN HAIR FELT COMPANY, Chicago, Ill. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

HAIRINSUL

FOR FELT INSULATING MATERIAL.
Claims use since Dec. 12, 1922.

Reg. No. 175,295. Registered Nov. 6, 1923. GEORGE M. BUDEKE, Baltimore, Md. Republished by Budeke's, Inc., Baltimore, Md., a corporation of Maryland.

PER-MA-LITE

FOR OIL PAINT, READY-MIXED AND PASTE; LINSEED OILS, FLOOR WAX, FLOOR AND FURNITURE POLISH, PUTTY, WHITE LEAD, AND RED LEAD.
Claims use since July 1919.

Reg. No. 210,404. Registered Mar. 16, 1926. KEYSTONE HAIR INSULATOR COMPANY, Pittsburgh, Pa., and New York, N. Y. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

THERMO FELT

The word "Felt" is disclaimed apart from the mark as shown.
FOR SHEETS OF INSULATING MATERIAL USED FOR INSULATING BUILDINGS, CARS, REFRIGERATORS, AND THE LIKE.
Claims use since June 13, 1923.

Reg. No. 233,906. Registered Oct. 11, 1927. THE FLINTKOTE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address New York, N. Y.

REX FLINTKOTE

FOR PREPARED ROOFING.
Claims use since Apr. 26, 1926.

Reg. No. 265,552. Registered Dec. 31, 1929. THE CON-FERRO PAINT AND VARNISH CO., St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.

BESTEX

FOR STIPPLE WALL FINISH OF A PLASTIC MATERIAL.
Claims use since Oct. 1, 1928.

Reg. No. 282,609. Registered Apr. 28, 1931. FRANTZ MANUFACTURING COMPANY, Sterling, Ill., a corporation of Illinois. Republished by registrant.

'Over-the-Top'

FOR DOORS THAT OPEN INTO AN OVERHEAD POSITION.
Claims use since Aug. 15, 1930.

Reg. No. 356,814. Registered May 10, 1938. THE PRESS-TITE ENGINEERING COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

PERMAGUM

FOR SEALING MATERIAL FOR MECHANICAL JOINTS AND THE LIKE.
Claims use since Dec. 1, 1937.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 58,976. Registered Dec. 25, 1906. GEUDER & PAESCHKE MANUFACTURING COMPANY, Milwaukee, Wis. Republished by Geuder, Paeschke & Frey Co., Milwaukee, Wis., a corporation of Wisconsin.



FOR PIECED TINWARE, STAMPED SHEET-METAL WARE, JAPANNED SHEET-METAL WARE, GALVANIZED SHEET-METAL WARE, ENAMELED SHEET-METAL WARE, AND ANTIRUST TINWARE.
Claims use since about July 1901.

Reg. No. 81,836. Registered May 9, 1911. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

Van Camp

FOR HINGES, BUTTS, SASH LIFTS, DOOR HINGES, SCREWS, NAILS; STEAM, WATER, AND GAS VALVES, BATH AND LAUNDRY TUBS, URINALS, WASH-STANDS, CHAFING DISHES AND KETTLES OF BASE METAL, TEA AND COFFEE POTS OF BASE METAL, PANS AND DIPPERS OF BASE METAL; COFFEE, TEA, AND MILK URNS OF BASE METAL; AND SIEVES, STRAINERS, AND FUNNELS OF BASE METAL.
Claims use since Apr. 21, 1909.

Reg. No. 103,059. Registered Mar. 16, 1915. GEUDER, PAESCHKE & FREY CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



The words "Ware" and "Milwaukee" are disclaimed apart from the mark as shown. The drawing is lined for the colors green, gold or yellow, and red.
FOR PIECED TINWARE, STAMPED, SHEET-METAL WARE, JAPANNED SHEET-METAL WARE, GALVANIZED SHEET-METAL WARE, ENAMELED SHEET-METAL WARE, AND ANTIRUST TINWARE.
Claims use since about August 1911.

Reg. No. 250,480. Registered Dec. 11, 1928. THE GARLOCK PACKING COMPANY, Palmyra, N. Y., a corporation of New York. Republished by registrant.

GARLOCK

FOR CORD PLUGS FOR CLEANING CONDENSER TUBES.
Claims use since March 1925.

Reg. No. 310,894. Registered Mar. 13, 1934. GEORGE KOCH SONS, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

GKS

FOR BASE METAL FLOWER VASES, TRAYS, AND HOLDERS.
Claims use since 1929.

Reg. No. 414,056. Registered May 22, 1945. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

Vanco

FOR HINGES, SASH LIFTS, DOOR HANGERS, TURNPLATES, SCREWS, NAILS, STEAM, WATER, AND GAS VALVES; BATH AND LAUNDRY TUBS, URINALS, WASH STANDS, CHAFING DISHES, KETTLES, TEA AND COFFEE POTS, PANS, DIPPERS; COFFEE, TEA, AND MILK URNS; SIEVES, STRAINERS, AND FUNNELS.
Claims use since Jan. 1, 1914.

Reg. No. 422,215. Registered July 9, 1946. ALUMINUM GOODS MFG. CO., Manitowoc, Wis., a corporation of New Jersey. Republished by registrant.

MIRRO-MATIC

FOR ALUMINUM COOKING UTENSILS—NAMELY, PRESSURE PANS, PRESSURE COOKERS, AND PRESSURE CANNERS.
Claims use since Aug. 1, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 166,414. Registered Apr. 3, 1923. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MO-LYB-DIE

FOR FORGINGS OF STEEL ALLOY.
Claims use since Dec. 16, 1921.

Reg. No. 175,029. Registered Oct. 30, 1923. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR STEEL FORGINGS.
Claims use since May 2, 1919.

Reg. No. 175,060. Registered Oct. 30, 1923. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FI-CARBO

Claims use since Mar. 21, 1923.
FOR STEEL FORGINGS.

Reg. No. 401,694. Registered June 1, 1943. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DURODI

FOR STEEL USED FOR DIE BLOCKS AND INSERTS IN DROP HAMMERS AND FORGING PRESSES; STEEL USED FOR FORGING MACHINE AND UPSETTING MACHINE DIES, PUNCHES, HEADERS AND GRIPPERS; STEEL USED FOR DIES USED IN HOT OR COLD STAMPING AND COINING; AND STEEL USED FOR HOT AND COLD FORMING ROLLS, BACKUP ROLLS, AND STRAIGHTENING ROLLS.
Claims use since Apr. 5, 1921.

Reg. No. 425,292. Registered Nov. 12, 1946. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR STEEL USED FOR DIE BLOCKS, SOW BLOCKS, AND FORGED PARTS FOR DROP HAMMERS AND OTHER FORGING MACHINES.
Claims use since Aug. 21, 1922.

Reg. No. 425,293. Registered Nov. 12, 1946. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR STEEL USED FOR HARDENED AND TEMPERED DIE BLOCKS, SOW BLOCKS, AND FORGED PARTS FOR DROP HAMMERS AND OTHER FORGING MACHINES.
Claims use since Aug. 21, 1922.

Reg. No. 425,294. Registered Nov. 12, 1946. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



CNM

FOR STEEL USED FOR PISTON RODS, CRANKSHAFTS, RAMS AND FORGED PARTS FOR DROP HAMMERS AND OTHER FORGING MACHINES.
Claims use since Jan. 1, 1937.

Reg. No. 429,012. Registered Apr. 15, 1947. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR STEEL USED FOR DIE BLOCKS, SOW BLOCKS, AND FORGED PARTS FOR DROP HAMMERS AND OTHER FORGING MACHINES.
Claims use since 1925.

CLASS 15

OILS AND GREASES

Reg. No. 243,139. Registered June 12, 1928. MARQUETTE PETROLEUM PRODUCTS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.



Marfoyl

The drawing is lined to indicate the color green.
FOR LUBRICATING OILS.
Claims use since Dec. 13, 1927.

Reg. No. 277,126. Registered Nov. 4, 1930. TRUE'S OIL COMPANY, Spokane, Wash., a corporation of Washington. Republished by registrant.



The lining on the drawing indicates the colors as red, yellow, and green.
FOR GASOLINE, KEROSENE, BENZINE, NAPTHA, LUBRICATING OILS, AND GREASES AND FUEL OILS.
Claims use since Jan. 1, 1917.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 173,708. Registered Oct. 2, 1923. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ARTSPAR

FOR PAINT ENAMELS.
Claims use since Mar. 7, 1923.

Reg. No. 175,295. Registered Nov. 6, 1923. GEORGE M. BUDEKE, Baltimore, Md. Republished by Budeke's, Inc., Baltimore, Md., a corporation of Maryland.

PER-MA-LITE

FOR OIL PAINT, READY-MIXED AND PASTE; LINSEED OILS, FLOOR WAX, FLOOR AND FURNITURE POLISH, PUTTY, WHITE LEAD, AND RED LEAD.
Claims use since July 1919.

Reg. No. 226,942. Registered Apr. 26, 1927. CON FERRO PAINT & VARNISH CO., doing business as Delta Lacquer & Products Company, St. Louis, Mo. Republished by Con Ferro Paint & Varnish Company, New York, N. Y., and St. Louis, Mo., a corporation of Delaware.

DELTA

FOR READY-MIXED PAINTS, PAINT ENAMELS, VARNISH, WOOD AND IRON FILLER UNDERCOATING, VARNISH STAINS, BRUSHING LACQUER, BRONZING LIQUID, LACQUER THINNERS, BRONZES, FURNITURE AND AUTOMOBILE POLISHES, AND FINISHING WAX.
Claims use since Oct. 14, 1926.

Reg. No. 241,765. Registered May 8, 1928. BOSTON VARNISH COMPANY, Everett, Mass., a corporation of Massachusetts. Republished by registrant.

LUSTAQUIK

FOR READY-MIXED PAINT, PAINT ENAMEL, AND VARNISHES.
Claims use since Dec. 8, 1927.

Reg. No. 301,765. Registered Mar. 14, 1933. BECK, KOLLER & COMPANY, INC., Detroit, Mich. Republished by Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware.

BECKOSOL

FOR DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, LACQUERS, OIL SOLUBLE PLASTIC RESINS, AND SOLUTIONS THEREOF IN OILS AND MINERAL SPIRITS USED AS PAINTERS' MATERIALS.
Claims use since Sept. 16, 1931.

Reg. No. 301,770. Registered Mar. 14, 1933. BECK, KOLLER & COMPANY, INC., Detroit, Mich. Republished by Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware.

SYNTHE-COPAL

The word "Copal" is disclaimed apart from the mark as shown.
FOR SOLUBLE ESTER GUMS AND SOLUBLE PLASTIC RESINS, EMPLOYED AS PAINTERS' MATERIALS.
Claims use since Mar. 16, 1914.

Reg. No. 301,771. Registered Mar. 14, 1933. BECK, KOLLER & COMPANY, INC., Detroit, Mich. Republished by Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware.

KOPOL

FOR SOLUBLE PLASTIC RESINS USED AS PAINTERS' MATERIALS.
Claims use since Feb. 19, 1929.

Reg. No. 396,119. Registered June 30, 1942. OLD COLONY PAINT & CHEMICAL CO., Los Angeles, Calif., a corporation of Nevada. Republished by registrant.

GUARDIAN

FOR WOOD OR CEMENT FLOOR PAINT, HOUSE PAINT.
Claims use since Nov. 7, 1927.

Reg. No. 400,440. Registered Mar. 9, 1943. GEORGE M. BUDEKE, doing business as George M. Budeke Co. and Budeke's, Baltimore, Md. Republished by Budeke's, Inc., Baltimore, Md., a corporation of Maryland.

150

FOR PAINTERS' MATERIALS—NAMELY, FLAT PAINT, PAINT ENAMEL, PRIMER AND SEALER, SEMI-GLOSS PAINT, AND ENAMEL UNDERCOATER.
Claims use since Apr. 6, 1939.

Reg. No. 400,441. Registered Mar. 9, 1943. GEORGE M. BUDEKE, doing business as George M. Budeke Co. and Budeke's, Baltimore, Md. Republished by Budeke's, Inc., Baltimore, Md., a corporation of Maryland.

PERMAWALL

FOR PASTE PAINT.
Claims use since Sept. 11, 1937.

Reg. No. 410,574. Registered Dec. 5, 1944. REICHHOLD CHEMICALS, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

RESYNTHETICS

FOR OILS, PROCESSED OILS, SYNTHETIC OILS, RESINS, SYNTHETIC RESINS, PROCESSED NATURAL RESINS, AND RESIN SOLUTIONS FOR USE IN PAINTS, VARNISHES, LACQUERS AND COATINGS GENERALLY.
Claims use since June 30, 1943.

Reg. No. 421,703. Registered June 11, 1946. MAAS & WALDSTEIN CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

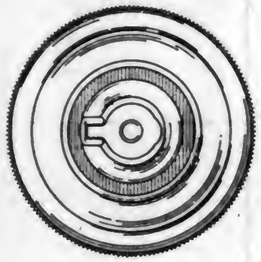
M&W INDUSTRIAL FINISHES

The words "Industrial Finisher" are disclaimed apart from the mark as shown. The drawing is lined for the color orange.
FOR PAINTS IN READY-MIXED FORM, LACQUERS, AND PAINT ENAMELS.
Claims use since 1930.

CLASS 19

VEHICLES

Reg. No. 299,973. Registered Jan. 3, 1933. STANT MANUFACTURING COMPANY, Connersville, Ind., a corporation of Indiana. Republished by registrant.



The trade-mark consists of a red circle. All other subject matter in the drawing is disclaimed apart from the mark as shown.
FOR VEHICLE RADIATOR AND GASOLINE FILLER CAPS.
Claims use since Apr. 21, 1932.

Reg. No. 378,589. Registered June 11, 1940. ARKWRIGHT, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

PACE MAKER

FOR BICYCLES, TRICYCLES, ICE VELOCIPEDES, AND RAILWAY VELOCIPEDES, AND STRUCTURAL PARTS THEREFOR.
Claims use since June 1935.

Reg. No. 414,216. Registered May 29, 1945. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN-HUR

FOR BICYCLES.
Claims use since Sept. 10, 1890.

Reg. No. 430,222. Registered June 10, 1947. PIPER AIRCRAFT CORPORATION, Lock Haven, Pa., a corporation of Pennsylvania. Republished by registrant.

PIPER CUB

The word "Piper" is disclaimed apart from the mark as shown.
FOR AIRPLANES AND STRUCTURAL PARTS THEREOF.
Claims use since May 1937.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 254,781. Registered Apr. 2, 1929. W. WESLEY HICKS, doing business as Wesix Heater Factory, San Francisco, Calif. Republished by registrant.

PACIFIX

FOR ELECTRIC WATER HEATERS COMPRISING CIRCULATION, IMMERSION, AND SPECIAL TYPES; ELECTRIC AIR HEATERS COMPRISING RADIANT, RADIANT CONVECTION, FLOOR, AND WALL TYPE HEATERS; ELECTRIC HEATING UNITS FOR GRILLS, ELECTRIC HOT PLATES, ELECTRIC STEAM BOILERS.
Claims use since Oct. 20, 1927.

Reg. No. 255,436. Registered Apr. 23, 1929. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

RAOLA

FOR STORAGE BATTERIES.
Claims use since on or about Oct. 1, 1924.

Reg. No. 273,645. Registered Aug. 5, 1930. W. WESLEY HICKS, Los Angeles, Calif. Republished by Wesix Electric Heater Co., San Francisco, Calif., a corporation of California.

SOUTHWESIX

FOR ELECTRIC AIR HEATERS—NAMELY, INDIVIDUAL ROOM HEATERS.
Claims use since about January 1928.

Reg. No. 274,338. Registered Aug. 26, 1930. AMERICAN BRAIDING COMPANY, Holyoke, Mass. Republished by American Electric Cable Co., Holyoke, Mass., a corporation of Massachusetts.

BLUE STREAK

FOR INSULATED RADIO ANTENNAE.
Claims use since Feb. 1, 1929.

Reg. No. 324,268. Registered May 14, 1935. WELDING SERVICE, INC., San Francisco, Calif. Republished by Welding Service Sales, Inc., San Francisco, Calif., a corporation of Nevada.

WELDCO

FOR ELECTRICAL WELDING MACHINES AND ACCESSORIES, INCLUDING WELDING HOSE AND WELDING CABLE.
Claims use since 1923.

Reg. No. 326,684. Registered July 30, 1935. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN HUR

FOR ELECTRIC SMOOTHING AND PRESSING IRONS.
Claims use since on or about Jan. 1, 1932.

Reg. No. 371,926. Registered Oct. 17, 1939. STIX, BAER AND FULLER COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

CONTEMPORA

FOR ELECTRIC FLOOR AND TABLE LAMPS.
Claims use since Jan. 1, 1938.

Reg. No. 431,667. Registered July 29, 1947. AUTOMATIC TEMPERATURE CONTROL CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

atc

FOR ELECTRIC MOTORIZED OPERATORS FOR VALVES: ELECTRIC MOTORIZED CONTROLS FOR THE OPERATION OF BURNERS; ELECTRIC MOTORIZED DRIVES FOR DAMPERS AND THE LIKE; ELECTRIC TIME CONTROL SWITCHES FOR THE CONTROL OF OPERATIONS IN SYNCHRONY; ELECTRIC CURRENT INPUT CONTROLLERS; ELECTRICAL CONTROL RELAYS; ELECTRICAL REMOTE POSITION SWITCH CONTROLS.
Claims use since approximately Dec. 15, 1929.

Reg. No. 431,668. Registered July 29, 1947. AUTOMATIC TEMPERATURE CONTROL CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR ELECTRIC MOTORIZED OPERATORS FOR VALVES: ELECTRIC MOTORIZED CONTROLS FOR THE OPERATION OF BURNERS; ELECTRIC MOTORIZED DRIVES FOR DAMPERS AND THE LIKE; ELECTRIC TIME CONTROL SWITCHES FOR THE CONTROL OF OPERATIONS IN SYNCHRONY; ELECTRIC CURRENT INPUT CONTROLLERS; ELECTRICAL CONTROL RELAYS; ELECTRICAL REMOTE POSITION SWITCH CONTROLS.
Claims use since approximately Dec. 15, 1929.

Reg. No. 432,118. Registered Aug. 19, 1947. GENERAL DRY BATTERIES, INC., Lakewood, Ohio, a corporation of Ohio. Republished by registrant.

DURO-MITE

FOR DRY CELL BATTERIES PARTICULARLY FOR HEARING AIDS.
Claims use since Oct. 29, 1946.

Reg. No. 433,517. Registered Oct. 14, 1947. WEBSTER ELECTRIC COMPANY, Racine, Wis., a corporation of Delaware. Republished by registrant.

W

FOR AUDIO-FREQUENCY AMPLIFIERS COMPRISING ASSEMBLED UNITS FOR AMPLIFYING ELECTRIC SIGNALS, AUDIO-FREQUENCY TRANSFORMERS, CHOKE COILS, ELECTRIC PICK-UP TONE ARMS, ELECTRIC PICK-UP VOLTAGE CONTROLS, ELECTRICAL SOCKETS AND PLUGS, ELECTRICAL PHONOGRAPH PICK-UPS, POWER TRANSFORMERS, HIGH VOLTAGE IGNITION TRANSFORMERS, ENERGIZING TRANSFORMERS FOR ELECTRIC SIGNS, VOLTAGE AND CURRENT REGULATING DEVICES OF THE MOVING COIL TYPE, INTERCOMMUNICATING SOUND AMPLIFYING AND TRANSMITTING SYSTEMS AND PARTS THEREOF, COMPRISING SPEAKERS, AMPLIFIERS, MICROPHONES, INTERCONNECTING CIRCUITS, AND ENERGIZING DEVICES WHEREBY CONVERSATION AT EITHER POINT MAY BE HEARD AT THE OTHER POINT OF COMMUNICATION.
Claims use since July 1, 1932.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 272,070. Registered June 24, 1930. BERT B. BARRY AND ASSOCIATES, Chicago, Ill. Republished by Walt Disney Productions, Burbank, Calif., a corporation of California.

PINOCCHIO

FOR DOLLS.
Claims use since Apr. 23, 1929.

Reg. No. 317,772. Registered Oct. 2, 1934. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN HUR

FOR FISHING TACKLE, CONSISTING OF RODS, REELS, LINES, HOOKS, LEADERS, ARTIFICIAL BAITS, FLIES, FLOATS, TACKLE BOXES, MINNOW BUCKETS, AND MINNOW SEINES; BASE BALLS, BATS, MITTS, AND GLOVES; TENNIS RACQUETS, TENNIS BALLS, GOLF CLUBS, GOLF BALLS, GOLF BAGS, CROQUET SETS, PITCHING HORSE SHOES, FOOT BALLS, BASKET BALLS, RUBBER BLADDERS, STRIKING BAGS, BOXING GLOVES, ROLLER SKATES, WATER PISTOLS, BOYS' WAGONS AND SLEDS.
Claims use since on or about Sept. 1, 1929.

Reg. No. 356,624. Registered May 3, 1938. KENNETH SMITH, Lenexa, Kans. Republished by registrant.

DARTWIN

FOR GOLF CLUBS AND PARTS THEREOF.
Claims use since Nov. 27, 1937.

Reg. No. 357,861. Registered June 14, 1938. KENNETH SMITH, Lenexa, Kans. Republished by registrant.

Solidized

FOR GOLF CLUBS AND PARTS THEREOF.
Claims use since Feb. 11, 1938.

Reg. No. 361,583. Registered Oct. 25, 1938. KENNETH SMITH, Lenexa, Kans. Republished by registrant.

ARMORING

FOR GOLF CLUBS AND PARTS THEREOF.
Claims use since Nov. 22, 1937.

Reg. No. 378,192. Registered May 28, 1940. KENNETH SMITH, Lenexa, Kans. Republished by registrant.

ROLL-IN

FOR GOLF CLUBS.
Claims use since March 1938.

Reg. No. 378,193. Registered May 28, 1940. KENNETH SMITH, Lenexa, Kans. Republished by registrant.

WINALL

FOR GOLF CLUBS.
Claims use since March 1938.

Reg. No. 378,589. Registered June 11, 1940. ARKWRIGHT, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

PACE MAKER

FOR BICYCLES, TRICYCLES, ICE VELOCIPEDES, AND RAILWAY VELOCIPEDES, AND STRUCTURAL PARTS THEREFOR.
Claims use since June 1935.

Reg. No. 419,237. Registered Feb. 5, 1946. ALUMINUM GOODS MFG. CO., Manitowac, Wis., a corporation of New Jersey. Republished by registrant.

MIRRO

FOR TOY COOKING AND BAKING UTENSILS, TOY TEA SETS AND TOY SAND SETS.
Claims use since Sept. 1, 1917.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 49,706. Registered Feb. 13, 1906. CARVER FILE COMPANY, Philadelphia, Pa. Republished by Delta File Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



FOR FILES.
Claims use since Nov. 1, 1905.

Reg. No. 50,538. Registered Mar. 20, 1906. CARVER FILE COMPANY, Philadelphia, Pa. Republished by Delta File Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



FOR FILES AND RASPS.
Claims use since May 10, 1905.

Reg. No. 54,129. Registered June 19, 1906. CARVER FILE COMPANY, Philadelphia, Pa. Republished by Delta File Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

DELTA

FOR FILES AND RASPS.
Claims use since May 10, 1905.

Reg. No. 81,560. Registered Apr. 18, 1911. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.



FOR GARDEN HOSE AND RAKES; MANURE, HAY AND COAL FORKS; SHOVELS, SPADES, GARDEN FORKS, DRAIN CLEANERS, HAND PUMPS, FEED CHOPPERS, LARD PRESSES; CUTLERY, COMPRISING BUTCHERS' KNIVES, POCKET KNIVES, TABLE

KNIVES, AND FORKS OF BASE METAL, RAZORS, SHEARS AND SCISSORS, PRUNERS, HORSE CLIPPERS, HORSE AND SHEEP-SHEARING MACHINES, LAWN MOWERS, SEWING MACHINES, DRILLING MACHINES, MACHINE BLOWERS, CREAM SEPARATORS, EMERY AND SANDSTONE GRINDING MACHINERY; MECHANICS' TOOLS, COMPRISING HATCHETS, HAMMERS, CHISELS, TONGS, AUGER BITS, BRACES, PLIERS, PLANES, SCREW DRIVERS, FILES, WEDGES, SAWS, RIVET, NAIL AND SAW SETS, SAW FRAMES, CLAMPS, AND IMPLEMENTS FOR THE LAYING AND FINISHING OF GRANITOID CEMENT AND MORTAR, BIT BRACES; BRACE JAWS, WRECKING BARS, PUTTY KNIVES, ICE PICKS, POST HOLE DIGGERS, HEADER FORKS, POTATO HOOKS, PICKS, PICK EYES, CARPENTERS' AND BLACKSMITHS' PINCERS, SLEDGES, SAW FRAMES, GARDEN TROWELS, AWLS, COAL WEDGES, WOOD. CHOPPERS' WEDGES, NAIL PULLERS, AND MAULS.
Claims use since Apr. 21, 1909.

Ser. No. 188,204. Registered Aug. 19, 1924. CARVER FILE CO., also doing business as Delta File Works, Philadelphia Pa. Republished by Delta File Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

VELVO

FOR METAL SURFACER, BEING A TOOL FOR GIVING A SMOOTH FINISH TO METAL.
Claims use since Dec. 5, 1923.

Reg. No. 192,911. Registered Dec. 16, 1924. THE NYE TOOL & MACHINE WORKS, Chicago, Ill. Republished by Nye Tool Company, Chicago, Ill., a corporation of Illinois.

"The Tools you swear BY and never AT"

FOR PIPE CUTTERS, PIPE CUTTER WHEELS, PIPE VISES, VISE STANDS, PIPE DIES, AND PIPE DIESTOCKS.
Claims use since Aug. 1, 1918.

Reg. No. 200,098. Registered June 23, 1925. DELTA FILE WORKS, INC., Philadelphia, Pa., a corporation of Pennsylvania.

"FILEAGE"

FOR FILES.
Claims use since Dec. 4, 1924.

Reg. No. 224,193. Registered Feb. 22, 1927. GREENLEE Bros. & Co., Rockford, Ill., a corporation of Illinois. Republished by registrant.

GREENLEE

FOR AUGERS, AUGER BITS, CAR BITS, CHISELS, GOUGES, DRAWKNIVES, WOOD-BORING DRILLS, COUNTERSINKS, REAMERS, SCREW-DRIVER BITS, PARTING TOOLS, MACHINE BITS, HOLLOW CHISELS, HOLLOW CHISEL BITS, MORTISERS, GAINING MACHINES, SAW BENCHES AND TABLES, RIPSAWS, CUT-OFF SAWS, HAND-FEED RIPSAWS, SELF-FEED RIPSAWS, VARIETY SAW BENCHES, UNIVERSAL SAW BENCHES, DADO MACHINES, TENONING MACHINES, JOINTERS, WOODWORKING MACHINES, WOOD-BORING MACHINES, SASH AND DOOR MACHINES, SASH AND DOOR CLAMPS, DOVETAILING MACHINES, DOOR RELISHERS, WEDGE CUTTERS, FRANKING MACHINES, WOOD-MOLDER-CUTTING MACHINES, WOOD-CUTTER HEADS, CUTTING TOOLS, BORING MACHINES, SPIKE-DRIVING MACHINES, SPIKE WRENCHES, MINE-TIMBER FRAMERS, TIE-ADZING MACHINES, TIE-SAWING MACHINES, TIE-BORING MACHINES, TIE-BRANDING MACHINES, PERFORATING MACHINES, SINGLE END TENONERS, DOUBLE END TENONERS, SASH RELISHERS, SASH DOVETAILERS, TURRET LATHES, AUTOMATIC SCREW MACHINES, TIE ADZING AND BORING MACHINES, MULTIPLE-SPINDLE-DRILLING MACHINES, MULTIPLE-SPINDLE-TAPPING MACHINES.
Claims use since Mar. 10, 1910.

Reg. No. 229,925. Registered July 12, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.

GOLD RIBBON

FOR SHOVELS, SPADES, AND SCOOPS.
Claims use since October 1925.

Reg. No. 231,181. Registered Aug. 16, 1927. WHITMAN BARNES-DETROIT CORPORATION, Detroit, Mich. Republished by United Drill & Tool Corporation, Chicago, Ill., a corporation of Michigan.

HERCULES

FOR TWIST DRILLS, REAMERS, CUTTERS, COUNTERSINKS, AND INSERTED-POINT CENTERS.
Claims use since Oct. 11, 1926.

Reg. No. 233,202. Registered Sept. 27, 1927. CARVER FILE COMPANY, doing business as Delta File Works, Philadelphia, Pa. Republished by Delta File Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

MECHANIC-FAVORITE

FOR FILES.
Claims use since July 1, 1909.

Reg. No. 233,510. Registered Oct. 4, 1927. CARVER FILE COMPANY, doing business as Delta File Works, Philadelphia, Pa. Republished by Delta File Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

EXPERT'S-CHOICE

FOR FILES.
Claims use since July 1, 1909.

Reg. No. 250,675. Registered Dec. 11, 1928. THE BENNETT PUMPS CORPORATION, Muskegon, Mich. Republished by John Wood Manufacturing Company, Inc., Muskegon Heights, Mich., a corporation of Delaware.

LUBRI-KIT

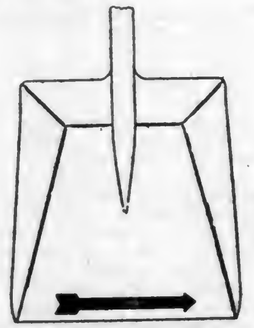
The word "Kit" is disclaimed apart from the mark as shown.
FOR COMBINED LUBRICANT TANK AND NON-MEASURING PUMP.
Claims use since May 1, 1927.

Reg. No. 258,346. Registered July 2, 1929. AMES SHOVEL AND TOOL COMPANY, North Easton, Mass. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.



The lining on the drawing indicates a color shading, without representing any particular colors, and is applied for the purpose of showing the effect secured by using two distinct shades of color. No claim is made to "No. Easton, Mass: St. Louis, Mo: U. S. A." as a part of the registration.
FOR TOOLS AND PARTS THEREOF—NAMELY, SHOVELS, SPADES, SCOOPS, ICE CHOPPERS, AND SNOW PUSHERS.
Claims use since October 1928.

Reg. No. 264,435. Registered Nov. 26, 1929. THE PITTSBURGH SHOVEL COMPANY, Pittsburgh, Pa. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.



The representation of the tool is disclaimed apart from the mark as shown. The drawing is lined for the color red.
FOR SHOVELS, SPADES, AND SCOOPS.
Claims use since about Apr. 29, 1929.

Reg. No. 272,929. Registered July 15, 1939. WHITMAN & BARNES, INC., Detroit, Mich. Republished by United Drill & Tool Corporation, Chicago, Ill., a corporation of Michigan.

HERCULES
MAJOR

FOR TWIST DRILLS.
Claims use since Feb. 10, 1930.

Reg. No. 275,908. Registered Oct. 7, 1930. WHITMAN & BARNES, INC., Detroit, Mich. Republished by United Drill & Tool Corporation, Detroit, Mich., a corporation of Michigan.

HERCULES
W&B

FOR PUNCHES, PUNCH RETAINERS, AND TWIST DRILLS.
Claims use since May 29, 1930.

Reg. No. 278,039. Registered Dec. 2, 1930. WHITMAN & BARNES, INC., Detroit, Mich. Republished by United Drill & Tool Corporation, Chicago, Ill., a corporation of Michigan

BLUE DIAMOND

FOR DRILLS OF THE KIND USED FOR METAL AND WOODWORKING.
Claims use since Mar. 1, 1929.

Reg. No. 304,988. Registered July 25, 1933. THE BARBASOL COMPANY, Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

Barbasol

FOR SAFETY RAZORS AND BLADES.
Claims use since Dec. 1, 1932.

Reg. No. 327,884. Registered Sept. 10, 1935. WHITMAN & BARNES, INC., Detroit, Mich. Republished by United Drill & Tool Corporation, Chicago, Ill., a corporation of Michigan.

HERCULES JUNIOR

FOR TWIST DRILLS.
Claims use since about Mar. 1, 1935.

Reg. No. 369,486. Registered July 25, 1939. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CU-PRO-DIE

The word "Die" is disclaimed apart from the mark as shown.

FOR STEEL DIES USED IN DROP FORGING AND ANALOGOUS MACHINES FOR FORGING OR STAMPING METAL PRODUCTS.

Claims use since Feb. 8, 1939.

Reg. No. 373,056. Registered Nov. 21, 1939. SCREW CONVEYOR CORPORATION, Hammond, Ind., a corporation of Illinois. Republished by registrant.

"TEM-U-LAC"

FOR ELEVATING AND CONVEYING APPARATUS COMPRISING SPIRAL AND SCREW CONVEYERS AND ENDLESS BELT AND CARRIER ELEVATING AND CONVEYING SYSTEMS, AND PARTS THEREOF.

Claims use since May 3, 1939.

Reg. No. 400,088. Registered Feb. 16, 1943. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DURODI

FOR STEEL DIES USED IN DROP FORGING AND ANALOGOUS MACHINES FOR FORGING OR STAMPING METAL PRODUCTS.

Claims use since Apr. 5, 1921.

Reg. No. 403,790. Registered Oct. 19, 1943. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MO-LYB-DIE

The word "Die" is disclaimed apart from the mark as shown.

FOR FINISHED DIE BLOCKS AND SOW BLOCKS MADE OF STEEL ALLOY.

Claims use since Dec. 16, 1921.

Reg. No. 403,791. Registered Oct. 19, 1943. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR FINISHED DIE BLOCKS, RAMS FOR FORGING MACHINES, AND SOW BLOCKS MADE OF STEEL ALLOY.

Claims use since May 2, 1919.

Reg. No. 408,006. Registered July 11, 1944. WESSON COMPANY, Ferndale, Mich., a corporation of Illinois. Republished by registrant.

WCO

FOR SPOTFACERS, COUNTERBORES, COUNTERSINKS, HOLDERS, MILLING CUTTERS, PILOTS, BORING BARS, CENTERS, CORE DRILLS, GRINDING MACHINES, END MILLS, REAMERS, TURNING AND BORING TOOLS, AND VISES.

Claims use since 1936.

Reg. No. 414,781. Registered June 26, 1945. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

Vanco

FOR SCYTHES, HOES AND RAKES, HAY AND COAL FORKS, SHOVELS, SPADES AND GARDEN FORKS, DRAIN CLEANERS, HAND PUMPS, FEED CHOPPERS, LARD PRESSES; CUTLERY—NAMELY, BUTCHER KNIVES, CORN KNIVES, POCKET KNIVES, TABLE KNIVES AND FORKS OF BASE METAL, RAZORS, SHEARS, AND SCISSORS, PRUNERS, HORSE CLIPPERS, HORSE AND SHEEP SHEARING MACHINES, GRASS HOOKS, LAWN MOWERS, SEWING MACHINES, CARPET SWEEPERS, DRILLING MACHINES, MACHINE BLOWERS, CREAM SEPARATORS, EMERY AND SANDSTONE GRINDING MACHINERY; MECHANICS' TOOLS—NAMELY, HATCHETS, HAMMERS, CHISELS, TONGS, AUGER BITS, BRACES, PLIERS, PLANES, SCREW DRIVERS, FILES, WEDGES, SAWS, RIVET, NAIL AND SAW SETS, CLAMPS, IMPLEMENTS FOR LAYING GRANITOID, CEMENT, AND MORTAR, TROWELS, BRACE JAWS, CARPENTERS' WRECKING BARS, PUTTY KNIVES, ICE PICKS, POST HOLE DIGGERS, SAW FRAMES, GARDEN TROWELS, AWLS, COAL WEDGES, WOOD CHOPPING WEDGES, NAIL PULLERS, AND MAULS.

Claims use since Jan. 1, 1914.

Reg. No. 424,200. Registered Sept. 24, 1946. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR STEEL DIES AND MACHINE PARTS USED IN DROP FORGING AND ANALOGOUS MACHINES FOR FORGING OR SHAPING METAL PRODUCTS.

Claims use since 1925.

Reg. No. 424,201. Registered Sept. 24, 1946. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FES

FOR STEEL DIES AND MACHINE PARTS USED IN DROP FORGING AND ANALOGOUS MACHINES FOR FORGING OR SHAPING METAL PARTS.

Claims use since Aug. 21, 1922.

Reg. No. 424,202. Registered Sept. 24, 1946. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FFX

FOR HARDENED AND TEMPERED STEEL DIES AND MACHINE PARTS USED IN DROP FORGINGS AND ANALOGOUS MACHINES FOR FORGING OR SHAPING METAL PARTS.

Claims use since Aug. 21, 1922.

Reg. No. 430,242. Registered June 10, 1947. LINCOLN ENGINEERING COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.



The word "Lincoln" is disclaimed apart from the mark as shown.

FOR PORTABLE AND STATIONARY LUBRICATING APPARATUS OF AUTOMATIC, SEMI-AUTOMATIC, AND MANUAL TYPES FOR MACHINERY AND AUTOMOTIVE EQUIPMENT, AND MACHINES FOR WASHING AIR FILTERS.

Claims use since Apr. 22, 1946.

Reg. No. 432,967. Registered Sept. 23, 1947. A. FINKL & SONS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



CNM

FOR PISTON RODS, CRANKSHAFTS, RAMS, AND FORGED PARTS FOR DROP HAMMERS AND OTHER FORGING MACHINES.

Claims use since Jan. 1, 1937.

Reg. No. 433,584. Registered Oct. 21, 1947. ACE MANUFACTURING CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ACE

FOR SPECIAL STAMPING DIES, JIGS, TOOLS, FIXTURES, AND PARTS, FOR STANDARD MACHINES FOR METAL WORKING AND ASSEMBLING OPERATIONS.

Claims use since August 1931.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 69,102. Registered May 19, 1908. THE TORSION BALANCE COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

TORSION BALANCE

FOR BALANCES AND SCALES.
Claims use since about 1887.

Reg. No. 112,408. Registered Sept. 5, 1916. CHRISTIAN BECKER, INC., New York, N. Y. Republished by The Torsion Balance Company, New York, N. Y., a corporation of New York.

CHAINOMATIC

FOR BALANCE AND SCALES.
Claims use since May 5, 1916.

Reg. No. 112,448. Registered Sept. 5, 1916. THE TORSION BALANCE COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



FOR BALANCES AND SCALES.
Claims use since 1902.

Reg. No. 123,995. Registered Dec. 31, 1918. GOLDWYN PICTURES CORPORATION, New York, N. Y. Republished by Loew's, Incorporated, New York, N. Y., a corporation of Delaware.

Goldwyn

FOR MOVING-PICTURE FILMS.
Claims use since January 1917.

Reg. No. 206,370. Registered Dec. 1, 1925. METRO-GOLDWYN DISTRIBUTING CORPORATION, New York, N. Y., assignor to Metro-Goldwyn Pictures Corporation of New York, N. Y. Republished by Loew's, Incorporated, New York, N. Y., a corporation of Delaware.



The word "Pictures" is disclaimed apart from the mark as shown.
FOR MOTION PICTURE FILMS.
Claims use since June 5, 1924.

Reg. No. 273,810. Registered Aug. 12, 1930. MASTER RULE MANUFACTURING CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.



The mark consists of the words "Blue End" and coloring of the ends of the sections of the rule blue. The representation of the ruler is disclaimed apart from the mark as shown.
FOR RULES, FOLDING RULES, AND EXTENSION RULES.
Claims use since 1925.

Reg. No. 318,839. Registered Nov. 6, 1934. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN HUR

FOR PLUMBS, LEVELS, SQUARES, RULES, MEASURING TAPES, DIVIDERS AND CALIPERS.
Claims use since on or about July 13, 1928.

Reg. No. 322,834. Registered Mar. 19, 1935. BUFFALO SCALE COMPANY, INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

AUTO-WEIGHT

The word "Weight" is disclaimed apart from the mark as shown.
FOR WEIGHING SCALE.
Claims use since about Oct. 17, 1932.

Reg. No. 416,019. Registered Aug. 21, 1945. GRANT ADVERTISING, INC., Dallas, Tex., a corporation of Texas. Republished by registrant.

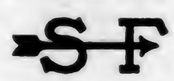
CLEANOMETER

FOR TESTING MACHINES TO DETERMINE EFFICIENCY OF SCOURING OR CLEANING POWDER.
Claims use since Feb. 1, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 414,427. Registered June 12, 1945. SWIFT & FISHER, INC., North Attleboro, Mass., a corporation of Massachusetts. Republished by registrant.



FOR ECCLESIASTICAL GOODS—NAMELY, CHALICES, CIBORIUMS, SANCTUARY LAMPS, JEWEL LAMPS, BAPTISMAL SETS, BAPTISMAL SHELLS, BAPTISMAL CANDLE HOLDERS, PATENS, PYXES, OIL STOCKS, HOLY WATER SPRINKLERS, SICK CALL SETS, COPE CLASPS, VEIL CLASPS, TABERNACLE KEY TASSELS, ABLUTION CUPS, VASES, CRUET SETS AND TRAYS, LUNA HOLDERS, BREAD BOXES, AND ALTER SETS; AND RELIGIOUS ARTICLES—NAMELY, VOTIVE LAMPS, CRUCIFIXES, CROSSES, ROSARIES, MEDALS, BADGES, EMBLEMS, RINGS, AND BOOKMARKS, MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH SAME.
Claims use since July 29, 1912.

Reg. No. 433,811. Registered Oct. 28, 1947. SPEIDEL CORPORATION, Providence, R. I., a corporation of Rhode Island. Republished by registrant.



FOR BRACELETS (NOT INCLUDING WATCHES).
Claims use since Aug. 1, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 48,820. Registered Jan. 16, 1906. JOHN L. WHITING & SON CO., Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.



FOR BRUSHES OF ALL KINDS.
Claims use since about Jan. 1, 1891.

Reg. No. 52,830. Registered May 22, 1906. JOHN L. WHITING & SON CO., Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

NUBIAN

FOR BRUSHES OF ALL KINDS.
Claims use since about Jan. 1, 1891.

Reg. No. 52,831. Registered May 22, 1906. JOHN L. WHITING & SON CO., Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

STERLING

FOR BRUSHES OF ALL KINDS.
Claims use since about Jan. 1, 1877.

Reg. No. 52,833. Registered May 22, 1906. JOHN L. WHITING & SON CO., Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

KING

FOR BRUSHES OF ALL KINDS.
Claims use since Jan. 1, 1876.

Reg. No. 52,835. Registered May 22, 1906. JOHN L. WHITING & SON CO., Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

NABOB

FOR BRUSHES OF ALL KINDS.
Claims use since Jan. 1, 1903.

Reg. No. 52,851. Registered May 22, 1906. JOHN L. WHITING & SON CO., Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

VULCAN

FOR BRUSHES OF ALL KINDS.
Claims use since about Jan. 1, 1894.

Reg. No. 52,868. Registered May 22, 1906. JOHN L. WHITING & SON CO., Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

MECHANIC

FOR BRUSHES OF ALL KINDS.
Claims use since about Jan. 1, 1891.

Reg. No. 53,145. Registered May 29, 1906. JOHN L. WHITING & SON CO., Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

DICTATOR

FOR BRUSHES OF ALL KINDS.
Claims use since July 1, 1877.

Reg. No. 213,648. Registered June 1, 1926. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

AVALON

FOR BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING.
Claims use since on or about Aug. 1, 1911.

Reg. No. 213,924. Registered June 8, 1926. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

DEKORATO

FOR BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING.
Claims use since on or about July 1, 1918.

Reg. No. 389,617. Registered Aug. 12, 1941. MOHAWK BRUSH COMPANY, Albany, N. Y., a corporation of New York. Republished by registrant.



FOR HAIR BRUSHES, MILITARY BRUSHES, CLOTHES BRUSHES, BATH BRUSHES, NAIL BRUSHES, HAND SCRUB BRUSHES, COMPLEXION BRUSHES, AND SHAMPOO BRUSHES.
Claims use since 1938.

Reg. No. 392,336. Registered Dec. 23, 1941. MOHAWK BRUSH COMPANY, Albany, N. Y., a corporation of New York. Republished by registrant.

MOHAWK

FOR HAIR BRUSHES, MILITARY BRUSHES, CLOTHES BRUSHES, BATH BRUSHES, NAIL BRUSHES, HAND SCRUB BRUSHES, COMPLEXION BRUSHES, AND SHAMPOO BRUSHES.
Claims use since 1905.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Reg. No. 323,685. Registered Apr. 30, 1935. GLADDING, McBEAN & Co., Los Angeles, Calif., a corporation of California. Republished by registrant.

FRANCISCAN

FOR POTTERY—NAMELY, TABLEWARE AND ART POTTERY NOT INCLUDING STATUETTES.
Claims use since Oct. 1, 1934.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 432,689. Registered Sept. 9, 1947. MUELLER BRASS CO., Port Huron, Mich., a corporation of Michigan. Republished by registrant.



FOR PARTS OF REFRIGERATION APPARATUS COMPRISING SHUT-OFF VALVES, RELIEF VALVES, CHECK VALVES, CONTROL VALVES, MANIFOLDS, FILTERS, STRAINERS, DEHYDRATORS, HEAT EXCHANGERS, LIQUID INDICATORS, FUSIBLE PLUGS, VALVE OPERATING TOOLS, PURGERS, FITTINGS, TUBINGS.
Claims use since Jan. 1, 1938.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 172,349. Registered Aug. 28, 1923. AMERICAN HAIR FELT CO., Chicago, Ill. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

OZITE

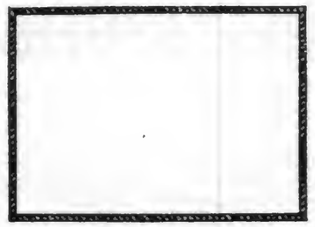
FOR HAIR CARPET CUSHIONS AND HAIR SEAT CUSHIONS.
Claims use since Oct. 24, 1921.

Reg. No. 186,489. Registered July 22, 1924. TENNESSEE FURNITURE CORPORATION, Chattanooga, Tenn. Republished by Cavalier Corporation, Chattanooga, Tenn., a corporation of Tennessee.

CAVALIER

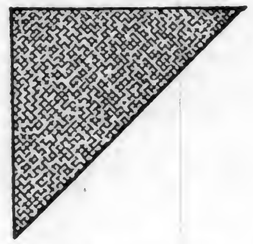
FOR BEDROOM, DINING-ROOM, LIVING-ROOM, AND KITCHEN FURNITURE—NAMELY, BEDS, DRESSERS, BUREAUS, DRESSING TABLES, VANITY DRESSERS, CHIFFONIERS, CHIFFONETTES, CHIFFOROBES, WARDROBES, TABLES, NIGHT STANDS, CHAIRS, ROCKERS, CONSOLE CHESTS, ORNAMENTAL CHESTS, TREASURE CHESTS, BENCHES, STOOLS, MIRRORS, CONSOLES, BUFFETS, SERVING TABLES, CHINA CABINETS, TEA WAGONS, SIDEBOARDS, AND CEDAR CHESTS.
Claims use since about Nov. 1, 1923.

Reg. No. 262,427. Registered Oct. 8, 1929. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The drawing is lined to indicate orange.
FOR HAIR-FELT CARPET CUSHIONS AND HAIR-FELT SEAT CUSHIONS.
Claims use since Apr. 1, 1925.

Reg. No. 263,747. Registered Nov. 12, 1929. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The drawing is lined to indicate orange.
FOR HAIR-FELT CARPET CUSHIONS AND HAIR-FELT SEAT CUSHIONS.
Claims use since June 1, 1925.

Reg. No. 312,727. Registered May 8, 1934. STIX, BAER AND FULLER COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.



FOR FURNITURE AND UPHOLSTERY—NAMELY, DAVENPORTS, SOFAS, PULL-UP, OCCASIONAL LOUNGE, ARM, AND SIDE CHAIRS, CHESTS, TABLES, WALL-RACKS, BENCHES, DESKS AND SECRETARIES, CABINETS, BOOK CASES, MIRRORS, BUFFETS, SIDEBOARDS, FERNERIES, BEDS, DRESSERS, DRESSING TABLES, CHAISE LONGUES, COMMODES, CHEVALS, PLANT STANDS, SETTEES, STOOLS, CARD TABLES, AND PORCH AND LAWN FURNITURE, THE LATTER CONSISTING OF CHAIRS, ROCKERS, BENCHES, SETTEES, AND TABLES.
Claims use since Aug. 1, 1933.

Reg. No. 322,961. Registered Mar. 26, 1935. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Red Knight

FOR HAIR-FELT CARPET CUSHIONS AND HAIR-FELT SEAT CUSHIONS.
Claims use since Apr. 17, 1934.

Reg. No. 324,578. Registered May 21, 1935. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

PURPLE KNIGHT

FOR HAIR-FELT CARPET CUSHIONS AND HAIR-FELT SEAT CUSHIONS.
Claims use since Apr. 17, 1934.

Reg. No. 324,579. Registered May 21, 1935. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

BLUE KNIGHT

FOR HAIR-FELT CARPET CUSHIONS AND HAIR-FELT SEAT CUSHIONS.
Claims use since Apr. 17, 1934.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 290,080. Registered Dec. 22, 1931. UNITED STOVE COMPANY, Ypsilanti, Mich., a corporation of Michigan. Republished by registrant.



FOR OIL STOVES, RANGES, OVENS, AND HEATERS.
Claims use since August 1924.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 81,560. Registered Apr. 18, 1911. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

Van Camp

FOR GARDEN HOSE AND RAKES; MANURE, HAY AND COAL FORKS; SHOVELS, SPADES, GARDEN FORKS, DRAIN CLEANERS, HAND PUMPS, FEED CHOPPERS, LARD PRESSES; CUTLERY, COMPRISING BUTCHERS' KNIVES, POCKET KNIVES, TABLE KNIVES, AND FORKS OF BASE METAL, RAZORS, SHEARS AND SCISSORS, PRUNERS, HORSE CLIPPERS, HORSE AND SHEEP-SHEARING MACHINES, LAWN MOWERS, SEWING MACHINES, DRILLING MACHINES, MACHINE BLOWERS, CREAM SEPARATORS, EMERY AND SANDSTONE GRINDING MACHINERY; MECHANICS' TOOLS, COMPRISING HATCHETS, HAMMERS, CHISELS, TONGS, AUGER BITS, BRACES, PLIERS, PLANES, SCREW DRIVERS, FILES, WEDGES, SAWS, RIVET, NAIL AND SAW SETS, SAW FRAMES, CLAMPS, AND IMPLEMENTS FOR THE LAYING AND FINISHING OF GRANITOID CEMENT AND MORTAR, BIT BRACES; BRACE JAWS, WRECKING BARS, PUTTY KNIVES, ICE PICKS, POST HOLE DIGGERS, HEADER FORKS, POTATO HOOKS, PICKS, PICK EYES, CARPENTERS' AND BLACKSMITHS' PINCERS, SLEDGES, SAW FRAMES, GARDEN TROWELS, AWLS, COAL WEDGES, WOOD CHOPPERS' WEDGES, NAIL PULLERS, AND MAULS.
Claims use since Apr. 21, 1909.

Reg. No. 145,864. Registered Aug. 16, 1921. THE WHITEHEAD BROS. RUBBER CO., Trenton, N. J., a corporation of New Jersey. Republished by registrant.

LONG LIFE

FOR HOSE OF RUBBER AND COTTON CANVAS DUCK.
Claims use since 1890.

Reg. No. 318,514. Registered Oct. 30, 1934. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN HUR

FOR GARDEN HOSE, AUTOMOBILE TIRES AND TUBES, BICYCLE TIRES AND TUBES, AND TIRE TAPE.
Claims use since on or about June 1, 1915.

Reg. No. 383,067. Registered Nov. 19, 1940. THE WHITEHEAD BROS. RUBBER CO., Trenton, N. J., a corporation of New Jersey. Republished by registrant.

HI-CLIMBER

FOR CONVEYOR BELTS.
Claims use since May 22, 1940.

Reg. No. 389,359. Registered Aug. 5, 1941. THE WHITEHEAD BROS. RUBBER CO., Trenton, N. J., a corporation of New Jersey. Republished by registrant.

SYNPLASTIC

FOR GASOLINE HOSE, OIL HOSE, ROTARY DRILLING HOSE, STILL-CLEANING HOSE, SPRAY HOSE, AND SOLVENT HOSE.
Claims use since Apr. 13, 1937.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 410,954. Registered Dec. 26, 1944. AMERICAN GLOSSITE CO., INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant, present address Putnam, Conn.

GUILD

FOR PHONOGRAPH RECORDS.
Claims use since Aug. 7, 1944.

Reg. No. 411,755. Registered Jan. 30, 1945. AMERICAN GLOSSITE CO., INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant, present address Putnam, Conn.

DIAMOND

FOR PHONOGRAPH RECORDS.
Claims use since Sept. 12, 1944.

Reg. No. 411,756. Registered Jan. 30, 1945. AMERICAN GLOSSITE CO., INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant, present address Putnam, Conn.

IVY

FOR PHONOGRAPH RECORDS.
Claims use since Sept. 12, 1944.

Reg. No. 414,540. Registered June 12, 1945. AMERICAN GLOSSITE CO., INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant, present address Putnam, Conn.

FIESTA

FOR PHONOGRAPH RECORDS.
Claims use since Dec. 13, 1944.

CLASS 37

PAPER AND STATIONERY

Reg. No. 259,388. Registered July 30, 1929. HAAS BROTHERS, San Francisco, Calif., a corporation of California. Republished by registrant.

Sanipure

FOR WAX PAPER.
Claims use since Feb. 5, 1929.

Reg. No. 264,562. Registered Nov. 26, 1929. C. F. BURGESS LABORATORIES, INC., Madison, Wis. Republished by Burgess Cellulose Company, Freeport, Ill., a corporation of Delaware.

NU-TEX

FOR STEREOTYPE MATS.
Claims use since Apr. 11, 1929.

Reg. No. 296,543. Registered Aug. 9, 1932. SAMUEL WARD MANUFACTURING CO., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

A Page A Day

FOR RECORD BOOKS AND DIARIES.
Claims use since Jan. 17, 1932.

Reg. No. 305,089. Registered Aug. 1, 1933. FORBES LITHOGRAPH MANUFACTURING COMPANY, Chelsea, Mass., a corporation of Massachusetts. Republished by registrant.

TRANS-PRINT

The word "Print" is disclaimed apart from the mark as shown.
FOR PRINTED BANDS FOR ENCIRCLING COMMODITIES, PRINTED WRAPPERS PRODUCED IN FLAT FORM AND ADAPTED TO BE WRAPPED ABOUT COMMODITIES AND PRINTED LABELS FOR APPLICATION TO COMMODITIES OR THE PACKAGES CONTAINING THE SAME, THE BASE STOCK THEREOF BEING REGENERATED CELLULOSE.
Claims use since Oct. 15, 1931.

Reg. No. 329,612. Registered Nov. 5, 1935. BROWNVILLE BOARD COMPANY, INC., Brownville, N. Y., a corporation of New York.

ELK

FOR MANILA TAG BOARDS.
Claims use since May 3, 1935.

Reg. No. 329,613. Registered Nov. 5, 1935. BROWNVILLE BOARD COMPANY, INC., Brownville, N. Y., a corporation of New York.

Moosehide

FOR MANILA TAG BOARDS.
Claims use since May 3, 1935.

Reg. No. 353,605. Registered Jan. 11, 1938. BROWNVILLE BOARD COMPANY, INC., Brownville, N. Y., a corporation of New York.

PENGUIN

FOR SOLID WHITE PAPER TAGBOARD.
Claims use since June 5, 1937.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 346,123. Registered May 18, 1937. JOE GODFREY, JR., Chicago, Ill. Republished by Grant Advertising, Inc., Dallas, Tex., a corporation of Texas.

Pleasure

FOR PERIODICAL.
Claims use since Oct. 26, 1936.

Reg. No. 388,611. Registered July 1, 1941. MOCK, JUDSON, VOEHRINGER CO. OF NEW YORK, INC., Long Island City, N. Y. Republished by Mojud Hosiery Co., Inc., Long Island City, N. Y., a corporation of Delaware.

HELPMANSHIP

FOR TITLE FOR A MAGAZINE SECTION.
Claims use since Jan. 15, 1941.

Reg. No. 406,119. Registered Mar. 14, 1944. REPRO-TONE COMPANY, Kansas City, Mo. Republished by Repro-Tone Co., Kansas City, Mo., a corporation of Missouri.

REPRO-TONE

The word "Tone" is disclaimed apart from the mark as shown.
FOR REPRODUCTIONS OF PHOTOGRAPHIC PRINTS AND ILLUSTRATIONS IN HALF-TONE HAVING SPECIAL CHARACTERISTICS PERMITTING THE MAKING OF PRINTING PLATES THEREFROM.
Claims use since Sept. 2, 1941.

Reg. No. 433,751. Registered Oct. 28, 1947. UNITED STATES NEWS PUBLISHING CORPORATION, doing business as The Bureau of National Affairs, Washington, D. C., assignor to The Bureau of National Affairs, Inc. Republished by The Bureau of National Affairs, Inc., Washington, D. C., a corporation of Delaware.

USPQ

FOR PERIODICAL PUBLICATIONS.
Claims use since 1935.

CLASS 39

CLOTHING

Reg. No. 127,266. Registered Nov. 4, 1919. THE CAMPE CORPORATION, New York, N. Y. Republished by The Campe Corporation, New York, N. Y., a corporation of Delaware.

PYRAMID

FOR KNITTED UNDERWEAR—NAMELY, CHILDREN'S WAISTS, WAIST UNION SUITS, AND CHILDREN'S UNDERWEAR IN ONE AND TWO PIECE GARMENTS.
Claims use since Mar. 20, 1919.

Reg. No. 127,346. Registered Nov. 11, 1919. THE CAMPE CORPORATION, New York, N. Y. Republished by The Campe Corporation, New York, N. Y., a corporation of Delaware.

FITRITE

FOR KNITTED UNDERWEAR IN ONE AND TWO PIECE GARMENTS.
Claims use since June 1909.

Reg. No. 130,430. Registered Apr. 20, 1920. VANITY FAIR SILK MILLS, Reading, Pa. Republished by Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania.

Vanity Fair

FOR HOSIERY.
Claims use since Oct. 5, 1916.

Reg. No. 130,688. Registered May 4, 1920. COWDEN MANUFACTURING COMPANY, St. Paul, Minn., a corporation of Missouri. Republished by registrant, present address Kansas City, Mo.

SERVICE COWDEN SUIT

The words "Service Suit" are disclaimed apart from the mark as shown.
FOR OVERALLS.
Claims use since July 14, 1919.

Reg. No. 143,021. Registered May 24, 1921. GLOBE SHIRT & OVERALL COMPANY, Abingdon, Ill. Republished by Protexall, Inc., Galesburg, Ill., a corporation of Illinois.

PROTEXALL

FOR OVERALLS, WORK-COATS OR SHOP-COATS, WORK-SHIRTS, OUTER SHIRTS OR JUMPERS USED IN COMBINATION WITH OVERALLS, PANTS, AND JUMPERS.
Claims use since Aug. 1, 1915.

Reg. No. 144,713. Registered July 19, 1921. CARLTON TRADING COMPANY New York, N. Y. Republished by David Carity, trading as Carity Hosiery Company and United Hosiery Company, Philadelphia, Pa.

Carlton

The drawing is lined for the color red.
FOR WOMEN'S HOSE.
Claims use since May 12, 1920.

Reg. No. 183,424. Registered Apr. 29, 1924. VANITY FAIR SILK MILLS, Reading, Pa. Republished by Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania.

Vanity Fair

FOR BANDEAUX, BLOOMERS, BRASSIÈRES, CHEMISES, SLIPS, DRAWERS, LINGERIE, NIGHTGOWNS, PETTISKIRTS, STEP-IN DRAWERS, AND HOSIERY.
Claims use since Oct. 9, 1916.

Reg. No. 193,841. Registered Jan. 6, 1925. TEXTILE MILLS CORPORATION, High Point, N. C. Republished by Adams-Millis Corporation, High Point, N. C., a corporation of North Carolina.

American Ace

FOR DRESS HOSIERY, NOT INCLUDING GOLF OR ATHLETIC HOSIERY OR LEGGINGS OR JUVENILE SETS.
Claims use since Nov. 5, 1923.

Reg. No. 208,604. Registered Feb. 2, 1926. AMERICAN RETAILERS ASSOCIATION, INC., New York, N. Y. Republished by Arkwright Merchandising Corporation, New York, N. Y., a corporation of New York.

FRANCHETTE

FOR LADIES' SUITS, COATS, DRESSES, KNICKERBOCKERS, WAISTS, BLOUSES, SKIRTS, HATS, AND HOSIERY.
Claims use since Aug. 18, 1925.

Reg. No. 223,607. Registered Feb. 8, 1927. JOHN F. BUCK, San Antonio, Tex. Republished by Claussner Hosiery Company, Paducah, Ky., a corporation of Kentucky.

KLEER-SHEER HOSIERY

The word "Hosiery" is disclaimed apart from the mark as shown.
FOR CHIFFON HOSIERY.
Claims use since May 15, 1926.

Reg. No. 231,095. Registered Aug. 9, 1927. MEIER & FRANK COMPANY, Portland, Oreg. Republished by Meier & Frank Company, Inc., Portland, Oreg., a corporation of Oregon.

Claybrooke

FOR MEN'S AND BOYS' SUITS AND OVERCOATS.
Claims use since Aug. 1, 1926.

Reg. No. 248,998. Registered Nov. 6, 1928. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Newark, N. J., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

Roselle

FOR WOMEN'S, MISSES', AND CHILDREN'S SHOES OF LEATHER OR OF FABRIC, OR OF LEATHER AND FABRIC.
Claims use since Apr. 1, 1927.

Reg. No. 250,329. Registered Dec. 4, 1928. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

GRACEHEEL

FOR HOSIERY.
Claims use since Jan. 10, 1928.

Reg. No. 251,212. Registered Jan. 1, 1929. EULA S. STANDISH, Providence, R. I. Republished by Formaid Co., Boston, Mass., a corporation of Massachusetts.

FORMAID

FOR BRASSIÈRES, AND BANDEAUX.
Claims use since Feb. 16, 1928.

Reg. No. 266,131. Registered Jan. 14, 1930. COWDEN MANUFACTURING COMPANY, Kansas City, Mo., Galesburg, Ill., and Omaha, Nebr., a corporation of Missouri. Republished by registrant, present address Kansas City, Mo.

WHIPPET

FOR AUTOMOBILE SERVICE SUITS, PLAY SUITS, OVERALLS, AND PANTS.
Claims use since September 1926.

Reg. No. 266,954. Registered Feb. 11, 1930. COWDEN MANUFACTURING COMPANY, Kansas City, Mo., Galesburg, Ill., and Omaha, Nebr., a corporation of Missouri. Republished by registrant, present address Kansas City, Mo.

TRAINMASTER

FOR AUTOMOBILE SERVICE SUITS, PLAY SUITS, OVERALLS, AND PANTS.
Claims use since September 1925.

Reg. No. 266,956. Registered Feb. 11, 1930. COWDEN MANUFACTURING COMPANY, Kansas City, Mo., Galesburg, Ill., and Omaha, Nebr., a corporation of Missouri. Republished by registrant, present address Kansas City, Mo.

WORK-ACE

FOR AUTOMOBILE SERVICE SUITS, PLAY SUITS, OVERALLS, AND PANTS.
Claims use since Jan. 1, 1929.

Reg. No. 277,104. Registered Nov. 4, 1930. THE CAMPE CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

BAMBY

FOR WOMEN'S AND CHILDREN'S RAYON AND KNIT UNDERWEAR.
Claims use since March 1930.

Reg. No. 279,882. Registered Feb. 3, 1931. THE NOLDE & HORST COMPANY, Reading, Pa. Republished by Arkwright, Incorporated, New York, N. Y., a corporation of New York.

FIRST LADY OF THE LAND

FOR HOSIERY.
Claims use since May 1, 1930.

Reg. No. 289,350. Registered Nov. 24, 1931. VANITY FAIR SILK MILLS, Reading, Pa. Republished by Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania.

PECHGLO

FOR KNITTED AND TEXTILE UNDERWEAR FOR WOMEN—NAMELY, VESTS, BLOOMERS, STEP-INS, CHEMISES, AND BANDEAUX.
Claims use since July 16, 1931.

Reg. No. 291,647. Registered Feb. 23, 1932. THE TEXTILE MILLS CORPORATION, High Point, N. C. Republished by Adams-Millis Corporation, High Point, N. C., a corporation of North Carolina.

Sponsor

FOR HOSIERY.
Claims use since Sept. 10, 1930.

Reg. No. 293,042. Registered Apr. 5, 1932. VANITY FAIR SILK MILLS, Reading, Pa. Republished by Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania.

CEE WEE

FOR BANDEAUX AND PANTIES.
Claims use since July 12, 1930.

Reg. No. 304,923. Registered July 25, 1933. THE TEXTILE MILLS CORPORATION, High Point, N. C. Republished by Adams-Millis Corporation, High Point, N. C., a corporation of North Carolina.

TEXTILIAN

FOR HOSIERY.
Claims use since Jan. 19, 1933.

Reg. No. 306,697. Registered Sept. 26, 1933. VANITY FAIR SILK MILLS, Reading, Pa. Republished by Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania.

KNEELAST

FOR HOSIERY.
Claims use since May 3, 1933.

Reg. No. 309,242. Registered Jan. 9, 1934. MOCK, JUDSON, VOEHRINGER CO., INC., Long Island City, N. Y. Republished by Mojud Hosiery Co., Inc., Long Island City, N. Y., a corporation of Delaware.

CLARI-PHANE

FOR STOCKINGS.
Claims use since July 20, 1933.

Reg. No. 329,118. Registered Oct. 15, 1935. CLAUSSNER HOSIERY COMPANY, Paducah, Ky., a corporation of Kentucky. Republished by registrant.

Claussner
KleerSheer

FOR HOSIERY.
Claims use since Mar. 10, 1935.

Reg. No. 334,880. Registered May 19, 1936. ROMBRO BROS., Baltimore, Md. Republished by Rombro Brothers Inc., Baltimore, Md., a corporation of Maryland.



The drawing is lined for red and blue.
FOR WORK SHIRTS.
Claims use since Aug. 1, 1935.

Reg. No. 338,749. Registered Sept. 15, 1936. EDISON BROS. STORES, INC., St. Louis, Mo., a corporation of Delaware. Republished by registrant.

French Room

FOR SHOES OF LEATHER, CLOTH, SUEDES, AND COMBINATIONS THEREOF, AND HOSIERY.
Claims use since Apr. 1, 1936.

Reg. No. 355,759. Registered Mar. 29, 1938. STRATBURY MANUFACTURING COMPANY, Galion, Ohio. Republished by Stratbury Manufacturing Co., Galion, Ohio, a corporation of Ohio.

Dewbury

FOR OVERCOATS AND TOPCOATS FOR MEN.
Claims use since Aug. 1, 1934.

Reg. No. 357,816. Registered June 14, 1938. CORRECT GARMENT CO., INC., New York, N. Y. Republished by Correct Garment Co., New York, N. Y., a firm.

Flex-O-Skirt

The word "Skirt" is disclaimed apart from the mark as shown.
FOR WOMEN'S AND MISSES' AND CHILDREN'S SKIRTS.
Claims use since December 1937.

Reg. No. 362,258. Registered Nov. 13, 1938. THE PATRICIA PETTICOAT CO., INC., New York, N. Y. Republished by Rhythm Lingerie, Inc., New York, N. Y., a corporation of New York.

RHYTHM BRA-SEE

The word "Bra" is disclaimed apart from the mark as shown.
FOR LADIES' SILK OR RAYON SLIPS, PETTICOATS, NIGHTGOWNS, PAJAMAS, CHEMISES, BRASSIÈRES, CORSETS, UNDERSHORTS, AND PANTIES.
Claims use since Feb. 15, 1936.

Reg. No. 377,775. Registered May 14, 1940. THE PATRICIA PETTICOAT CO., INC., New York, N. Y. Republished by Rhythm Lingerie, Inc., New York, N. Y., a corporation of New York.

RHYTHM ROMANCER

FOR LADIES' AND MISSES' SLIPS, PETTICOATS, NIGHTGOWNS, AND PAJAMAS.
Claims use since Aug. 15, 1939.

Reg. No. 383,987. Registered Dec. 31, 1940. THE CAMPE CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

AIRCELL

FOR MEN'S UNION SUITS, SHORTS, BRIEFS, PANTS, ATHLETIC SHIRTS, OUTER SHIRTS, POLO SHIRTS, TENNIS SHIRTS, AND SWEATERS, WOMEN'S UNION SUITS, VESTS, PANTIES, BLOOMERS, SHORTS, BRIEFS, AND SWEATERS, AND INFANTS' AND CHILDREN'S PANTIES, SHORTS, BRIEFS, AND SWEATERS.
Claims use since Mar. 12, 1940.

Reg. No. 389,223. Registered July 29, 1941. GLOVECRAFT, INC., Johnstown, N. Y., a corporation of New York. Republished by registrant.

"Broadside"

FOR GLOVES MADE OF LEATHER AND/OR FABRIC.
Claims use since Jan. 10, 1940.

Reg. No. 390,577. Registered Sept. 30, 1941. PHILIP SHLANSKY & BRO., INC., New York, N. Y. Republished by Philip Shlansky & Bro. Inc., New York, N. Y., a corporation of New York.

Navigator

FOR WOMEN'S AND MISSES' PILE FABRIC AND CLOTH COATS.
Claims use since May 1, 1939.

Reg. No. 403,687. Registered Oct. 12, 1943. STEIN UNIFORM COMPANY, Baltimore, Md., a firm. Republished by registrant.



The phrase "Serving Those Who Serve Humanity" and the words "Stein Uniform Company" are disclaimed apart from the mark as shown.
FOR NURSES' UNIFORMS AND CAPES.
Claims use since Feb. 1, 1943.

Reg. No. 404,570. Registered Dec. 7, 1943. CARL GUTMANN & Co., New York, N. Y. Republished by Carl Gutmann & Co. Inc., New York, N. Y., a corporation of New York.

WOOL TOWN

The word "Wool" is disclaimed apart from the mark as shown.

FOR LADIES' AND MISSES' SWEATERS, BLOUSES, OUTER SPORT SHIRTS AND UNDERWEAR—NAMELY, PANTIES, BLOOMERS, AND VESTS HAVING A SUBSTANTIAL CONTENT OF WOOL.

Claims use since July 1, 1941.

Reg. No. 417,845. Registered Nov. 20, 1945. CATALINA KNITTING MILLS, Los Angeles, Calif., now by change of name Catalina, Inc., a corporation of California. Republished by Catalina, Inc., Los Angeles, Calif., a corporation of California.

Catalina

FOR MEN'S, WOMEN'S, AND CHILDREN'S SPORTS WEAR—NAMELY, SUN-SUITS, PLAY-SUITS, BLOUSES, ATHLETIC TRUNKS, AND BRASSIÈRES; MEN'S AND WOMEN'S SPORT SHIRTS AND KNITTED OUTER GARMENTS—NAMELY, COATS, JACKETS, AND VESTS.

Claims use since Oct. 4, 1926.

Reg. No. 419,105. Registered Feb. 5, 1946. WRIGHT-BATCHELDER CORPORATION, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

HINGE-WELT

The word "Welt" is disclaimed except in the combination as shown.

FOR SHOE WELTS.

Claims use since June 1, 1944.

Reg. No. 421,697. Registered June 11, 1946. THE CAMPE CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

PREPTON

FOR MEN'S AND BOYS' PAJAMAS, UNDERSHIRTS, UNDERSHORTS, AND MEN'S UNION SUITS.

Claims use since Sept. 22, 1930.

Reg. No. 430,591. Registered June 17, 1947. EDISON BROTHERS STORES, INC., St. Louis, Mo., a corporation of Delaware. Republished by registrant.

QualiCraft

The word "Craft" is disclaimed apart from the mark as shown.

FOR LADIES' SHOES MADE OF LEATHER, RUBBER, FABRICS, PLASTIC, AND COMBINATIONS THEREOF.

Claims use since Sept. 7, 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 388,716. Registered July 8, 1941. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Republished by C. J. Bates & Son, Chester, Conn., a firm.

SILVALUME

FOR HAND KNITTING NEEDLES AND CROCHET HOOKS.

Claims use since Nov. 14, 1940.

Reg. No. 400,816. Registered Apr. 6, 1943. HAMILTON C BATES, doing business as C. J. Bates & Son, Chester, Conn., assignor to C. J. Bates & Son. Republished by C. J. Bates & Son, Chester, Conn., a firm.

LUXITE

FOR CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE.

Claims use since Jan. 1, 1928.

Reg. No. 411,893. Registered Feb. 6, 1945. THE PATENT BUTTON CO., Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

METAL Patwin PLASTICS

The words "Metals" and "Plastics" are disclaimed apart from the mark as shown.

FOR METAL (NON-PRECIOUS) AND PLASTIC BUTTONS.

Claims use since July 12, 1944.

Reg. No. 426,626. Registered Jan. 7, 1947. HENRY POLLAK, INC., New York, N. Y., a corporation of New York. Republished by registrant.

FALCON

FOR HAT BRAIDS USED BY MILLINERS.

Claims use since June 12, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 66,569. Registered Dec. 10, 1907. DETMER WOOLEN COMPANY, New York, N. Y. Republished by Detmer, Bruner & Mason, Inc., New York, N. Y., a corporation of New York.

NOVELTY and QUALITY

FOR COTTON AND WOOLEN PIECE GOODS.

Claims use since Oct. 15, 1906.

Reg. No. 231,744. Registered Aug. 23, 1927. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

PERLEEN

FOR WOOLEN TEXTILE FABRICS IN THE PIECE.

Claims use since about Nov. 1, 1926.

Reg. No. 235,036. Registered Nov. 8, 1927. THE ATLANTIC MILLS, Providence, R. I., and Stottville, N. Y. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

DELEEN

FOR WOOLEN DRESS GOODS AND DRESS FABRICS OF COTTON AND WOOL IN THE PIECE.

Claims use since about Aug. 2, 1926.

Reg. No. 235,061. Registered Nov. 8, 1927. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

PRINGEEN

FOR WOOLEN DRESS GOODS AND DRESS FABRICS OF SILK AND WOOL AND COTTON AND WOOL IN THE PIECE.

Claims use since Oct. 1, 1925.

Reg. No. 298,701. Registered Nov. 1, 1932. ONONDAGA SILK COMPANY, INC., Syracuse and New York, N. Y., a corporation of New York. Republished by registrant.

Calsanda

FOR SILK FABRICS IN THE PIECE.

Claims use since Apr. 5, 1932.

Reg. No. 300,523. Registered Jan. 24, 1933. ONONDAGA SILK COMPANY, INC., Syracuse and New York, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y.

Mistique

FOR SILK FABRICS IN THE PIECE.

Claims use since May 12, 1932.

Reg. No. 331,410. Registered Jan. 7, 1936. ONONDAGA SILK COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Cri-Cri

FOR SILK PIECE GOODS.

Claims use since Apr. 21, 1935.

Reg. No. 383,522. Registered Dec. 10, 1940. DANIEL W. FARNSWORTH, New York, N. Y. Republished by registrant.

AUTUMN FOLIAGE TWEEDS

The words "Autumn" and "Tweeds" are disclaimed apart from the mark as shown.

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.

Claims use since July 1, 1939.

Reg. No. 420,298. Registered Apr. 2, 1946. THE ONEIDA BLEACHERY, INC., New York, N. Y., a corporation of New York. Republished by registrant, present address New York Mills, N. Y.

FOUR SEASONS

FOR PILLOW CASES.

Claims use since Aug. 29, 1930.

Reg. No. 424,733. Registered Oct. 22, 1946. QUAKER MAID MILLS, Philadelphia, Pa. Republished by Quaker Maid Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

"THE RUG THAT HAS THE FLOOR"

The words "Rug" and "Floor" are disclaimed apart from the mark as shown.

FOR KNITTED RUGS.

Claims use since Oct. 15, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 333,008. Registered Mar. 10, 1936. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Republished by C. J. Bates & Son, Chester, Conn., a firm.

Zephyr

FOR NAIL FILES.

Claims use since on or about Sept. 2, 1935.

Reg. No. 336,370. Registered July 7, 1936. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Republished by C. J. Bates & Son, Chester, Conn., a firm.

ZEENE

FOR MANICURE ARTICLES—NAMELY, NAIL BRUSHES, NAIL BUFFERS, NAIL FILES, NAIL CLIPPERS, CUTICLE KNIVES, SCISSORS, MANICURE STICKS, TWEEZERS, EMERY BOARDS, PUMICE BOARDS, AND NAIL POLISHERS.
Claims use since on or about Jan. 15, 1934.

Reg. No. 377,919. Registered May 21, 1940. COE LABORATORIES, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CAL

FOR DENTAL PROSTHESES INCLUDING SINGLE TOOTH RESTORATIONS SUCH AS FILLINGS, INLAYS, CROWNS, BRIDGEWORK, PARTIAL DENTURE RESTORATIONS AND FULL DENTURE RESTORATIONS, ORTHODONTIA APPLIANCES, SPLINTS, OBTURATORS, AND CORRECTIVE APPLIANCES FOR LOST MOUTH AND JAW TISSUES.
Claims use since July 1, 1938.

Reg. No. 395,996. Registered June 23, 1942. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn., assignor to C. J. Bates & Son. Republished by C. J. Bates & Son, Chester, Conn., a firm.

SILVALUME

FOR MANICURE KITS.
Claims use since Sept. 19, 1941.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 126,831. Registered Oct. 7, 1919. COUNTRY CLUB SODA COMPANY, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

Country Club

FOR BIRCH BEER, ROOT BEER, LEMON SODA, CREAM SODA, ORANGE SODA, AND GINGER ALE, ALL ARTIFICIALLY FLAVORED.
Claims use since March 1901.

Reg. No. 136,602. Registered Nov. 2, 1920. JACOB RIES BOTTLING WORKS, INC., Shakopee, Minn., a corporation of Minnesota. Republished by registrant.

ROCK SPRING

FOR STILL AND EFFERVESCENT TABLE-WATERS, MINERAL WATERS, NON-ALCOHOLIC, MALTLESS BEVERAGES NOT OF A CEREAL NATURE, AND MALTLESS BEVERAGES NOT OF A CEREAL NATURE CONTAINING LESS THAN ONE HALF OF ONE PER CENT OF ALCOHOL, SOLD AS SOFT DRINKS.
Claims use since about 1886.

Reg. No. 296,449. Registered Aug. 9, 1932. MISSION DRY CORPORATION, LTD., Los Angeles, Calif. Republished by Mission Dry Corporation, Los Angeles, Calif., a corporation of Delaware.

Mission Rickey

The word "Rickey" is disclaimed apart from the mark as shown.
FOR NON-ALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES USED AS SOFT DRINKS AND EXTRACTS FOR PREPARING OF SAME.
Claims use since on or about Jan. 1, 1932.

Reg. No. 326,545. Registered July 23, 1935. JACOB RIES BOTTLING WORKS, INC., Shakopee, Minn., a corporation of Minnesota. Republished by registrant.



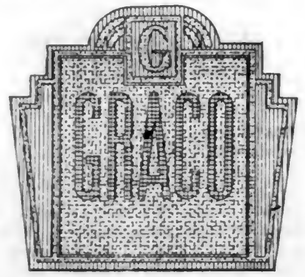
The drawing is lined for the color red. The word "Mixer" is disclaimed apart from the mark as shown.
FOR NON-ALCOHOLIC, MALTLESS, LEMON JUICE DRINK AND SYRUP FOR MAKING THE SAME.
Claims use since Dec. 1, 1932.

Reg. No. 366,017. Registered Mar. 28, 1939. GRAY & COMPANY, Portland, Oreg., a corporation of Oregon. Republished by registrant.



The word "Brand" is disclaimed apart from the mark as shown. The drawing is lined for the colors black, green, and yellow.
FOR MALTLESS, NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Nov. 1, 1927.

Reg. No. 372,070. Registered Oct. 24, 1939. GRAY & COMPANY, Portland, Oreg., a corporation of Oregon. Republished by registrant.



The drawing is lined to indicate black, yellow and red.
FOR MALTLESS, NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Nov. 1, 1934.

Reg. No. 402,099. Registered June 29, 1943. MUTUAL CITRUS PRODUCTS COMPANY, Anaheim, Calif., a corporation of California. Republished by registrant.

BEV-ADE

The word "Ade" is disclaimed apart from the mark as shown.
FOR POWDERED BEVERAGE BASE FOR MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Dec. 15, 1942.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 54,938. Registered Aug. 7, 1906. HENRY HEIDE, New York, N. Y. Republished by Henry Heide, Incorporated, New York, N. Y., a corporation of New York.

GENUINE.

FOR ALMOND PASTE.
Claims use since about Feb. 1, 1876.

Reg. No. 58,790. Registered Dec. 25, 1906. HENRY HEIDE, New York, N. Y. Republished by Henry Heide, Incorporated, New York, N. Y., a corporation of New York.



The diamond-shaped figure is red.
FOR ALL FORMS OF CANDIES.
Claims use since June 15, 1874.

Reg. No. 67,578. Registered Feb. 11, 1908. FRANK M. HOYT, Amesbury, Mass. Republished by F. M. Hoyt & Co., Inc., Amesbury, Mass., a corporation of Massachusetts.



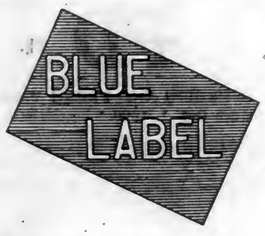
FOR PEANUT BUTTER.
Claims use since Sept. 1, 1901.

Reg. No. 73,848. Registered May 25, 1909. TACOMA GRAIN COMPANY, Tacoma, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

VINCO

FOR WHEAT-FLOUR.
Claims use since Aug. 20, 1902.

Reg. No. 73,943. Registered June 1, 1909. FERDINAND GRUNERT, Chicago, Ill. Republished by Kraft Foods Company, Chicago, Ill., a corporation of Delaware.



The drawing is lined for the color blue.
FOR FULL-CREAM CHEESE.
Claims use since Oct. 1, 1894.

Reg. No. 88,397. Registered Sept. 17, 1912. CENTENNIAL MILL CO., Seattle, and Spokane, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



PAGODA

FOR WHEAT FLOUR.
Claims use since May 10, 1906.

Reg. No. 99,769. Registered Sept. 15, 1914. MEYER, FOOTE & DAYTON CO., Rochester, N. Y., a corporation of New York. Republished by registrant.

FOOTE'S

FOR COFFEE AND TEA.
Claims use since May 1, 1893.

Reg. No. 100,940. Registered Oct. 27, 1914. YAKIMA COUNTY HORTICULTURAL UNION, Yakima, Wash., a corporation of Washington. Republished by registrant.

BLUE RIBBON

FOR FIRST QUALITY OF FRESH DECIDUOUS FRUITS, APPLES, PEARS, PEACHES, AND PRUNES.
Claims use since 1908.

Reg. No. 102,117. Registered Jan. 26, 1915. THE KING MILLING CO., Lowell, Mich., a corporation of Michigan. Republished by registrant.

FIRST AID

FOR WHEAT FLOUR.
Claims use since May 2, 1914.

Reg. No. 102,584. Registered Feb. 16, 1915. PHILIP PHILLIPS, Orlando, Fla. Republished by Dr. P. Phillips Company, Orlando, Fla., a corporation of Florida.

PD

FOR FRESH FRUITS AND FRESH VEGETABLES.
Claims use since Oct. 1, 1906.

Reg. No. 103,102. Registered Mar. 16, 1915. HENRY HEIDE, New York, N. Y. Republished by Henry Heide, Incorporated, New York, N. Y., a corporation of New York.

Heide's

FOR CANDIES OF ALL KINDS AND BAKERS' PASTES AND CAKE-FILLERS, ALMOND PASTE AND PEANUT BUTTER.
Claims use since Feb. 1, 1876.

Reg. No. 105,053. Registered July 6, 1915. HENRY HEIDE, New York, N. Y. Republished by Henry Heide, Incorporated, New York, N. Y., a corporation of New York.

DIAMOND BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR CANDIES OF ALL KINDS AND COCOA AND CHOCOLATE.
Claims use since June 15, 1874.

Reg. No. 110,518. Registered May 30, 1916. TACOMA GRAIN COMPANY, Tacoma, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

SUMMIT

FOR WHEAT-FLOUR.
Claims use since Apr. 15, 1905.

Reg. No. 114,041. Registered Nov. 14, 1916. WASHINGTON GRAIN AND MILLING CO., Reardan, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



FOR SELF-RISING FLOUR.
Claims use since June 10, 1911.

Reg. No. 114,355. Registered Dec. 12, 1916. FRANK M. HOYT, Amesbury, Mass. Republished by F. M. Hoyt & Co., Inc., Amesbury, Mass., a corporation of Massachusetts.



FOR SALTED NUTS.
Claims use since Feb. 11, 1908.

Reg. No. 114,700. Registered Jan. 2, 1917. CENTENNIAL MILL CO., Spokane, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



FOR SELF-RISING WHEAT FLOUR.
Claims use since Sept. 25, 1915.

Reg. No. 117,065. Registered June 12, 1917. SEATTLE GRAIN CO., Seattle, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

SPRING BLOSSOM

FOR WHEAT FLOUR.
Claims use since Oct. 25, 1916.

Reg. No. 117,149. Registered June 19, 1917. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.



FOR LARD SUBSTITUTE COMPOSED OF COTTONSEED OIL AND OLEO-STEARIN.
Claims use since Aug. 15, 1913.

Reg. No. 117,150. Registered June 19, 1917. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.



FOR SHORTENING.
Claims use since June 5, 1916.

Reg. No. 117,517. Registered July 17, 1917. CENTENNIAL MILL CO., Seattle, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

CENTENNIAL

FOR WHEAT FLOUR.
Claims use since 1899.

Reg. No. 117,613. Registered July 17, 1917. SEATTLE GRAIN CO., Seattle, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

HI-UP

FOR SELF-RISING FLOUR.
Claims use since Jan. 6, 1917.

Reg. No. 117,622. Registered July 17, 1917. WENATCHEE MILLING CO., Wenatchee, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

CHERRY BLOSSOM

FOR WHEAT FLOUR.
Claims use since 1905.

Reg. No. 118,783. Registered Oct. 2, 1917. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.

LOG CABIN

FOR SHORTENING COMPOUND COMPOSED OF COTTON SEED OIL AND OLEO BEEF STEARIN.
Claims use since Oct. 21, 1913.

Reg. No. 119,258. Registered Nov. 13, 1917. CENTENNIAL MILL CO., Seattle, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

"HI-CUT"

FOR SELF-RISING WHEAT FLOUR.
Claims use since May 10, 1917.

Reg. No. 119,377. Registered Nov. 13, 1917. RITZVILLE FLOURING MILLS, Ritzville, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



FOR WHEAT FLOUR.
Claims use since Oct. 6, 1916.

Reg. No. 121,449. Registered Apr. 30, 1918. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.

DIXIE

FOR COTTON SEED OIL SHORTENING.
Claims use since Aug. 30, 1917.

Reg. No. 122,065. Registered June 25, 1918. CENTENNIAL MILL CO., Memphis, Tenn. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



FOR SELF-RISING WHEAT FLOUR.
Claims use since Jan. 15, 1918.

Reg. No. 123,979. Registered Dec. 31, 1918. THE CENTENNIAL MILL COMPANY, Seattle, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

GREEN LEAF



The drawing is lined to indicate green.
FOR WHEAT FLOUR.
Claims use since Nov. 25, 1916.

Reg. No. 124,427. Registered Feb. 11, 1919. WASHINGTON GRAIN AND MILLING CO., Reardan, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



SNOW-LIKE

FOR WHEAT-FLOUR.
Claims use since July 1, 1916.

Reg. No. 126,898. Registered Oct. 7, 1919. SEATTLE GRAIN COMPANY, Seattle, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



FOR SELF-RISING FLOUR.
Claims use since Apr. 16, 1917.

Reg. No. 127,286. Registered Nov. 4, 1919. MARITIME TRADING CORPORATION, New York, N. Y. Republished by Maritime Milling Co. Inc., Buffalo, N. Y., a corporation of New York.

Hi-test

FOR STOCK FOOD.
Claims use since about Nov. 1, 1918.

Reg. No. 130,633. Registered May 4, 1920. BARBER & BENNETT, INC., Albany, N. Y., a corporation of New York. Republished by registrant.

FORT ORANGE

FOR STOCK FEED, HORSE FEED, DAIRY FEED, POULTRY FEED.
Claims use since 1916.

Reg. No. 133,999. Registered Aug. 10, 1920. INTERSTATE COTTON OIL REFINING COMPANY, Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.



The picture shown is fanciful.
FOR SHORTENING FOR COOKING PURPOSES COMPOSED OF VEGETABLE OIL; AND OIL FOR COOKING OR SALAD PURPOSES COMPOSED OF VEGETABLE OILS.
Claims use since Aug. 15, 1913.

Reg. No. 138,719. Registered Jan. 4, 1921. TACOMA GRAIN COMPANY, Tacoma, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

DAMON

FOR WHEAT-FLOUR.
Claims use since Jan. 12, 1920.

Reg. No. 139,633. Registered Feb. 8, 1921. SPRAGUE ROLLER MILLS, Sprague, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



FOR WHEAT-FLOUR AND SELF-RISING FLOUR.
Claims use since Apr. 10, 1920.

Reg. No. 139,634. Registered Feb. 8, 1921. SPRAGUE ROLLER MILLS, Sprague, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



FOR WHEAT-FLOUR AND SELF-RISING FLOUR.
Claims use since Apr. 10, 1920.

Reg. No. 140,769. Registered Mar. 29, 1921. CENTENNIAL MILL COMPANY OF TENN., Memphis, Tenn. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

SAKOTA

FOR WHEAT-FLOUR.
Claims use since May 19, 1920.

Reg. No. 141,512. Registered Apr. 26, 1921. CENTENNIAL MILL CO., Seattle, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

GOLD DROP

FOR WHEAT FLOUR.
Claims use since 1889.

Reg. No. 152,705. Registered Mar. 7, 1922. CENTENNIAL MILL COMPANY, Seattle and Spokane, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

EL PACIFICO

FOR WHEAT FLOUR.
Claims use since 1910.

Reg. No. 170,088. Registered July 10, 1923. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y. Republished by Henry Heide, Incorporated, New York, N. Y., a corporation of New York.

The Legion Package

The words "The" and "Package" are disclaimed apart from the mark as shown.
FOR CHOCOLATES AND CANDIES.
Claims use since Mar. 22, 1922.

Reg. No. 170,495. Registered July 17, 1923. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y. Republished by Henry Heide, Incorporated, New York, N. Y., a corporation of New York.

THORO-BRED

FOR CHOCOLATES AND CANDIES.
Claims use since Sept. 19, 1921.

Reg. No. 172,640. Registered Sept. 11, 1923. D. S. WILLIAMS, doing business as Williams Brothers & Company, Wilkes-Barre, Pa. Republished by Williams Bros. & Co., Wilkes-Barre, Pa., a firm.

WILCO

FOR CANNED VEGETABLES, CANNED MILK, CATCHUP, FLAVORING EXTRACTS FOR FOODS, AND MINCEMEAT.
Claims use since 1914.

Reg. No. 174,660. Registered Oct. 23, 1923. PEERLESS CONFECTION COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The drawing is shaded for the colors red and violet respectively.
FOR CANDIES.
Claims use since January 1922.

Reg. No. 175,079. Registered Oct. 30, 1923. PEERLESS CONFECTION COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The drawing is lined for the colors blue, brown, red, and gold.
FOR CANDIES.
Claims use since September 1914.

Reg. No. 176,719. Registered Nov. 27, 1923. SPRAGUE ROLLER MILLS, Sprague, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



The representation of a sack of flour is disclaimed apart from the mark as shown.
FOR SELF-RISING FLOUR.
Claims use since Aug. 12, 1921.

Reg. No. 182,106. Registered Apr. 1, 1924. ED. S. VAIL BUTTERINE CO., Chicago, Ill. Republished by The Capital City Products Company, Columbus, Ohio, a corporation of Delaware.

GOLDEN VALE

FOR OLEOMARGARINE.
Claims use since February 1920.

Reg. No. 186,139. Registered July 1, 1924. FRANK M. HOYT, doing business as F. M. Hoyt & Co., Amesbury, Mass. Republished by F. M. Hoyt & Co., Inc., Amesbury, Mass., a corporation of Massachusetts.

BUT-A-KISS

FOR CANDY.
Claims use since November 1909.

Reg. No. 191,938. Registered Nov. 25, 1924. TACOMA GRAIN CO., Tacoma, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



PYRAMID

FOR WHEAT FLOUR.
Claims use since Apr. 1, 1902.

Reg. No. 202,131. Registered Aug. 18, 1925. PEERLESS CONFECTION COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ORORA

FOR HARD CANDIES AND FILLED CONFECTIONS.
Claims use since June 15, 1922.

Reg. No. 202,871. Registered Sept. 8, 1925. D. S. WILLIAMS, doing business as Williams Bros. & Company, Wilkes-Barre, Pa. Republished by Williams Bros. & Co., Wilkes-Barre, Pa., a firm.

WILCO

FOR CANNED VEGETABLES AND FRUITS, CANNED EVAPORATED MILK, CATCHUP, FLAVORING EXTRACTS FOR FOOD, MINCEMEAT, ROLLED OATS, FRUIT PRESERVES, AND SPICES IN PACKAGES, CORN MEAL, DRIED CURRANTS, ALIMENTARY PASTE PRODUCTS.
Claims use since July 1, 1914.

Reg. No. 204,081. Registered Oct. 6, 1925. MARITIME MILLING CO. INC., New York, N. Y., a corporation of New York. Republished by registrant, present address Buffalo, N. Y.

BULL BRAND



The word "Brand" is disclaimed apart from the mark as shown.
FOR POULTRY AND STOCK FEED.
Claims use since Dec. 1, 1924.

Reg. No. 205,183. Registered Nov. 3, 1925. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.

Southern Queen

FOR SHORTENING MADE FROM COTTONSEED OIL.
Claims use since March 1917.

Reg. No. 220,103. Registered Nov. 2, 1926. PEERLESS CONFECTION COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PEERMINTS

FOR MINT CANDY.
Claims use since Apr. 28, 1926.

Reg. No. 220,367. Registered Nov. 9, 1926. HENRY HEIDE, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

RED HOT DOLLARS

FOR CANDIES.
Claims use since April 1925.

Reg. No. 226,967. Registered Apr. 26, 1927. FRANK G. SHATTUCK COMPANY, New York, N. Y., a corporation of Massachusetts. Republished by registrant.

Personal Choice

FOR CANDY.
Claims use since Sept. 28, 1926.

Reg. No. 233,423. Registered Sept. 27, 1927. ROBINSON SYRUP COMPANY, Cairo, Ga., a corporation of Georgia. Republished by registrant.

PLANTATION PRIDE

FOR TABLE SIRUP.
Claims use since November 1926.

Reg. No. 234,023. Registered Oct. 18, 1927. MARITIME MILLING COMPANY INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.



FOR DAIRY FEED.
Claims use since about Oct. 25, 1926.

Reg. No. 240,053. Registered Mar. 20, 1928. FRANK G. SHATTUCK COMPANY, New York, N. Y., a corporation of Massachusetts. Republished by registrant.

Chocolate Indians

FOR CAKES.
Claims use since Aug. 23, 1927.

Reg. No. 243,233. Registered June 12, 1928. D. S. WILLIAMS, doing business as Williams Bros. & Co., Wilkes-Barre, Pa. Republished by Williams Bros. & Co., Wilkes-Barre, Pa., a firm.

WILCO

FOR COFFEE, SLICED BEEF, MAYONNAISE, JELLY, PEANUT BUTTER, OLIVES, PICKLES, BOILED VEGETABLE RELISH, RICE, CANNED PORK AND BEANS, CHEESE, SPICES, MINCEMEAT, FRUIT PRESERVES, CATSUP, FOOD FLAVORING EXTRACTS, CANNED FLAVORING EXTRACTS, CANNED FRUITS, DRIED FRUITS, ROLLED OATS, ALIMENTARY PASTES, CORN MEAL, CANNED VEGETABLES, AND TEA.
Claim use since July 1, 1910.

Reg. No. 243,930. Registered July 3, 1928. HAAS, BARUCH & CO., Los Angeles, Calif., a corporation of California. Republished by registrant.

MAYCREST

FOR CANNED FISH, CANNED FRUITS, CANNED VEGETABLES, TOMATO CATSUP, AND COFFEE.
Claims use since Oct. 3, 1927.

Reg. No. 243,976. Registered July 3, 1928. HENRY HEIDE, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

HEIDE'S

FOR CANDIES OF ALL KINDS; CANDIED NUT PRODUCTS—NAMELY, CHOCOLATE-COVERED NUTS, CHOCOLATE ROASTED ALMONDS, POWDERED ALMOND PASTE, CONFECTIONERS' AND BAKERS' PASTES, CAKE FILLERS, COCOA, CHOCOLATE, AND ICING.
Claims use since February 1876.

Reg. No. 245,916. Registered Aug. 28, 1928. AUNT NELLIE'S FARM KITCHEN, INC., Hartford, Wis., a corporation of Wisconsin. Republished by registrant, present address Clyman, Wis.



FOR CANNED PEAS, CANNED CORN, CANNED BEETS, CANNED BEANS, AND CANNED EVAPORATED MILK.
Claims use since Jan. 16, 1923.

Reg. No. 251,517. Registered Jan. 8, 1929. ROMAN MEAL COMPANY, Tacoma, Wash., a corporation of Washington. Republished by registrant.



FOR CEREAL BREAKFAST FOOD, BREAD, BISCUITS, COOKIES, AND CRACKERS.
Claims use since May 1921.

Reg. No. 255,953. Registered Apr. 30, 1929. AUNT NELLIE'S FARM KITCHEN, INC., Hartford, Wis., a corporation of Wisconsin. Republished by registrant, present address Clyman, Wis.

Farm Kitchen

FOR CANNED PEAS, CANNED CORN, CANNED BEANS, AND CANNED TOMATOES.
Claims use since July 1, 1928.

Reg. No. 256,543. Registered May 21, 1929. SOUTHERN PACKING CO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

DIXIE QUEEN

FOR CANNED FRUITS AND VEGETABLES.
Claims use since May 1926.

Reg. No. 260,163. Registered Aug. 20, 1929. CENTRAL CANNING CO. A. S., Stavanger, Norway, a corporation of Norway. Republished by registrant.



The drawing is lined to indicate shading. The words "Packed at Stavanger, Norway" and "Norwegian Sardines in Pure Olive Oil" are disclaimed apart from the mark as shown.
FOR CANNED FISH.
Claims use since 1912.

Reg. No. 265,695. Registered Jan. 7, 1930. LITCHFIELD CREAMERY CO., Litchfield, Ill., a corporation of Illinois. Republished by registrant.

SUNSHINE

FOR CANNED EVAPORATED MILK.
Claims use since Sept. 18, 1918.

Reg. No. 270,935. Registered May 20, 1930. AUNT NELLIE'S FARM KITCHEN, INC., Hartford, Wis., a corporation of Wisconsin. Republished by registrant, present address Clyman, Wis.

Aunt Nellie's



FOR CANNED PEACHES, PEARS, CHERRIES, FRUIT FOR SALAD, APRICOTS, AND PINEAPPLE; CANDIED SWEET POTATOES.
Claims use since 1921.

Reg. No. 281,949. Registered Apr. 7, 1931. AUNT NELLIE'S FARM KITCHEN, INC., Hartford, Wis., a corporation of Wisconsin. Republished by registrant, present address Clyman, Wis.

GARDEN KINGS

FOR CANNED PEAS.
Claims use since Apr. 25, 1930.

Reg. No. 282,225. Registered Apr. 14, 1931. VALLEY CITY MILLING COMPANY, Grand Rapids, Mich., a corporation of Michigan. Republished by registrant, present address Portland, Mich.

ROWENA

FOR WHEAT FLOUR, SELF-RISING FLOUR, BUCKWHEAT-FLOUR COMPOUND, PANCAKE FLOUR, GRAHAM FLOUR, CORN MEAL, POULTRY FEEDS, PREPARED DAIRY FEEDS, MIDDLINGS, BRAN, FEEDS MADE FROM CORN, AND MIXED FEEDS.
Claims use since Dec. 19, 1913.

Reg. No. 282,672. Registered Apr. 28, 1931. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio, a corporation of Delaware. Republished by registrant.

CORN-O-MAY

The word "Corn" is disclaimed apart from the mark as shown.
FOR REFINED CORN OIL USED FOR SALADS AND COOKING AND MAYONNAISE PURPOSES IN CANS AND BARRELS.
Claims use since Dec. 1, 1927.

Reg. No. 285,838. Registered Aug. 11, 1931. FLORIDA-GOLD CITRUS CORPORATION, Winter Haven, Fla., a corporation of Florida. Republished by registrant, present address Lake Alfred, Fla.

GOLDETTES

FOR CANNED GRAPEFRUIT CUT INTO INDIVIDUAL MINIATURE PORTIONS FOR CONVENIENT TABLE SERVICE.
Claims use since November 1929.

Reg. No. 293,766. Registered May 3, 1932. HENRY HEIDE, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

Heide

FOR CANDIES OF ALL KINDS, CANDIED NUT PRODUCTS—NAMELY, CHOCOLATE-COVERED NUTS, CHOCOLATE ROASTED ALMONDS, CHOCOLATE, AND ICING.
Claims use since Jan. 2, 1931.

Reg. No. 295,169. Registered July 21, 1932. TEXAS FARM PRODUCTS COMPANY, Macogdoches, Tex., a corporation of Texas. Republished by registrant.



The drawing is lined for the colors red and blue.
FOR STOCK FEED, CHICKEN FEED, AND DAIRY FEED.
Claims use since Feb. 15, 1930.

Reg. No. 297,592. Registered Sept. 20, 1932. MARITIME MILLING CO. INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

VITAMIZED

FOR POULTRY FEEDS.
Claims use since Jan. 1, 1929.

Reg. No. 299,833. Registered Dec. 27, 1932. RANDOLPH MARKETING COMPANY, San Bernardino, Calif., a corporation of California. Republished by registrant, present address Porterville, Calif.

BULL DOG



FOR FRESH CITRUS FRUITS, FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, AND FRESH CANTALOUPES.
Claims use since Nov. 12, 1929.

Reg. No. 303,904. Registered Jan. 13, 1933. A. J. GAHAN, doing business as The Gold Cup Food Co., San Francisco, Calif. Republished by Haas Brothers, San Francisco, Calif., a corporation of California.

GOLD CUP

FOR CANNED DOG AND CAT FOOD.
Claims use since Dec. 29, 1932.

Reg. No. 308,664. Registered Dec. 12, 1933. C. C. SMITH, doing business as C. C. Smith Fruit Company, Yakima, Wash. Republished by F. H. Cubberley, Tieton, Wash.

LUCKY LAD

FOR FRESH DECIDUOUS FRUITS.
Claims use since September 1929.

Reg. No. 322,183. Registered Feb. 26, 1935. THE J. M. SMUCKER CO., Orrville, Ohio, a corporation of Ohio. Republished by registrant.

DUTCH GIRL

FOR APPLE BUTTER, PRESERVES, AND JELLIES.
Claims use since June 1925.

Reg. No. 322,703. Registered Mar. 19, 1935. E. L. BARR, doing business as Barr Packing Co., Sanger, Calif. Republished by E. L. & Merle Barr, Sanger, Calif., a copartnership.



FOR FRESH CITRUS FRUITS AND FRESH DECIDUOUS FRUITS.
Claims use since August 1929.

Reg. No. 326,864. Registered Aug. 6, 1935. E. L. BARR, doing business as Barr Packing Company, Sanger, Calif. Republished by E. L. & Merle Barr, Sanger, Calif., a copartnership.



FOR FRESH DECIDUOUS FRUITS.
Claims use since May 1, 1912.

Reg. No. 328,668. Registered Oct. 1, 1935. DUBLIN CREAMERY COMPANY, INC., Dublin, Tex. Republished by Floridagold Citrus Corporation, Lake Alfred, Fla., a corporation of Florida.

TEXAS GOLD

FOR BUTTER.
Claims use since December 1932.

Reg. No. 329,321. Registered Oct. 22, 1935. MUTUAL CITRUS PRODUCTS COMPANY, Anaheim, Calif., a corporation of California. Republished by registrant.

M.C.P.

FOR CANNED CITRUS FRUIT JUICE FOR FOOD PURPOSES.
Claims use since 1930.

Reg. No. 334,190. Registered Apr. 21, 1936. THE FRENCH SARDINE COMPANY OF CALIFORNIA, Terminal Island, Calif., a corporation of California. Republished by registrant.



The drawing is lined to indicate red. The representation of the fish, the outline of a label, and the words "Packed By," "Brand," "Sardines" are disclaimed apart from the mark as shown.
FOR CANNED SARDINES.
Claims use since Feb. 14, 1935.

Reg. No. 336,677. Registered July 14, 1936. PEERLESS CONFECTION COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Peerless Maid

FINE HARD CANDIES
CELL-O-WRAPT

The words "Fine Hard Candies" and the word "Wrapt" are disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since Feb. 5, 1936.

Reg. No. 337,520. Registered Aug. 11, 1936. GENERAL GROCER COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.



FOR COFFEE.
Claims use since 1930.

Reg. No. 340,938. Registered Nov. 24, 1936. RANDOLPH MARKETING COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant, present address Porterville, Calif.

SILVER QUALITY

The word "Quality" is disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES AND MELONS.
Claims use since June 18, 1936.

Reg. No. 342,471. Registered Jan. 19, 1937. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.



FOR FLAKED HYDROGENATED COTTONSEED OIL.
Claims use since Mar. 27, 1936.

Reg. No. 343,662. Registered Mar. 2, 1937. CHOCOLAT SUCHARD SOCIETE ANONYME, Neuchatel, Switzerland, a corporation of Switzerland. Republished by registrant.

Suchard

FOR COCOA, CHOCOLATE, CHOCOLATE CANDY, CHOCOLATE PUDDING POWDER.
Claims use since February 1936.

Reg. No. 344,267. Registered Mar. 16, 1937. MARITIME MILLING CO. INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.



The drawing is lined for red.
FOR DOG FOOD.
Claims use since January 1933.

Reg. No. 344,371. Registered Mar. 23, 1937. BOSSEMEYER BROS., Superior, Nebr. Republished by Maritime Milling Co. Inc., Buffalo, N. Y., a corporation of New York.



The word "Brand" is disclaimed apart from the mark as shown.
FOR CHICK MASH, CHICK FEED, GROWING MASH, LAYING MASH, EGG MASH, HEN SCRATCH, POULTRY FATTENER, TURKEY STARTING MASH, PIG MEAL, FORTY PER CENT PROTEIN SUPPLEMENTAL HOG FEED, SWEET DAIRY FEED, DAIRY FEED, CALF MEAL, MOLASSES CATTLE FATTENER, AND ALL MASH RATION.
Claims use since May 1, 1914.

Reg. No. 345,057. Registered Apr. 13, 1937. FLORIDAGOLD CITRUS CORPORATION, Lake Alfred, Fla., a corporation of Florida. Republished by registrant.

SEALDHEART

FOR CANNED CITRUS FRUITS AND CANNED CITRUS JUICES FOR FOOD PURPOSES.
Claims use since Oct. 26, 1915.

Reg. No. 345,324. Registered Apr. 20, 1937. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

HI LITE

FOR WHEAT FLOUR.
Claims use since July 1, 1916.

Reg. No. 345,433. Registered Apr. 27, 1937. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

BAKERS JOY

FOR WHEAT FLOUR.
Claims use since October 1917.

Reg. No. 345,625. Registered May 4, 1937. FLORIDAGOLD CITRUS CORPORATION, Lake Alfred, Fla., a corporation of Florida. Republished by registrant.

FLORIDAGOLD

FOR GRAPEFRUIT AND ORANGE SEGMENTS PACKED IN CANS.
Claims use since April 1930.

Reg. No. 347,923. Registered July 13, 1937. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

MILK LOAF

FOR WHEAT FLOUR.
Claims use since July 1917.

Reg. No. 350,646. Registered Oct. 5, 1937. E. L. BARR, doing business as Barr Packing Company, Sanger, Calif. Republished by E. L. & Merle Barr, Sanger, Calif., a copartnership.

SWAN

FOR FRESH GRAPES AND FRESH DECIDUOUS FRUITS.
Claims use since July 1, 1914.

Reg. No. 354,633. Registered Feb. 15, 1938. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.

JACK RABBIT

FOR LARD SUBSTITUTE COMPOSED OF VEGETABLE OILS.
Claims use since Feb. 5, 1914.

Reg. No. 366,361. Registered Apr. 11, 1939. WM. P. HARTLEY, LIMITED, Liverpool and London, England, a Public Limited Liability Company of Great Britain. Republished by registrant.



The representation of the label is disclaimed apart from the mark as shown.
FOR JAMS, FRUIT PRESERVES, MARMALADE, GINGER PRESERVES, CANDIED PEEL, JELLIES.
Claims use since 1880.

Reg. No. 367,645. Registered May 23, 1939. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.

ker-Ba

FOR VEGETABLE OIL SHORTENING.
Claims use since Dec. 15, 1938.

Reg. No. 367,965. Registered June 6, 1939. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.

Mrs. Tucker's



FOR WHEAT FLOUR, CANNED VEGETABLES, CANNED FRUITS, AND FRUIT PRESERVES.
Claims use since 1913.

Reg. No. 369,862. Registered Aug. 8, 1939. M. ROM & SONS COMPANY, INC., Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

POND LILY

FOR CHILI SAUCE, CATSUP, FINGER PEPPERS, CIDER VINEGAR, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since June 15, 1937.

Reg. No. 372,136. Registered Oct. 24, 1939. MARITIME MILLING CO. INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

HUNT CLUB DIAMONDS

FOR DOG FOOD.
Claims use since Aug. 15, 1938.

Reg. No. 374,481. Registered Jan. 9, 1940. THE FRENCH SARDINE COMPANY OF CALIFORNIA, Terminal Island, Calif., a corporation of California. Republished by registrant.

PREDILECTA

FOR CANNED FISH.
Claims use since July 20, 1939.

Reg. No. 381,325. Registered Sept. 17, 1940. CENTENNIAL FLOURING MILLS CO., Seattle, Wash., a corporation of Washington. Republished by registrant.

GERVITA

FOR BREAD AND BREAKFAST CEREAL.
Claims use since May 1, 1939.

Reg. No. 381,518. Registered Sept. 24, 1940. THE FRENCH SARDINE COMPANY OF CALIFORNIA, Terminal Island, Calif., a corporation of California. Republished by registrant.

Star-Kist



FOR CANNED FISH—NAMELY, CANNED TUNA.
Claims use since Apr. 30, 1940.

Reg. No. 382,494. Registered Oct. 29, 1940. FRANCO-ITALIAN PACKING COMPANY, Terminal Island, Calif., a corporation of California. Republished by registrant.

OCEAN GIFT

FOR CANNED FISH.
Claims use since May 15, 1940.

Reg. No. 382,686. Registered Nov. 5, 1940. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

FROLICS

FOR DOG MEAL PELLETS.
Claims use since May 2, 1940.

Reg. No. 386,565. Registered Apr. 15, 1941. FRANCO-ITALIAN PACKING COMPANY, Terminal Island, Calif., a corporation of California. Republished by registrant.

SEA ACE

FOR FISH MEAL USED IN HEALTH RATION FOR POULTRY, LIVESTOCK, DOG, AND CAT FOOD.
Claims use since Oct. 25, 1940.

Reg. No. 386,595. Registered Apr. 15, 1941. BERKS-LEHIGH COOPERATIVE FRUIT GROWERS, INC., Boyertown, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR APPLE JUICE FOR BEVERAGE PURPOSES.
Claims use since Nov. 4, 1940.

Reg. No. 388,570. Registered July 1, 1941. THE FRENCH SARDINE COMPANY OF CALIFORNIA, Terminal Island, Calif., a corporation of California. Republished by registrant.

STAYWELL

FOR CAT FOOD.
Claims use since Nov. 29, 1940.

Reg. No. 405,583. Registered Feb. 8, 1944. CLYMAN FARMS, INC., Hartford, Wis., a corporation of Wisconsin. Republished by registrant, present address Clyman, Wis.

Aunt Nellie's Farm Cheese

The words "Farm Cheese" are disclaimed apart from the mark as shown.
FOR CHEESE.
Claims use since May 17, 1943.

Reg. No. 407,947. Registered July 11, 1944. FRANCO-ITALIAN PACKING COMPANY, Terminal Island, Calif., a corporation of California. Republished by registrant.

GEM-OF-THE-SEA

The notation "Of-The-Sea" is disclaimed.
FOR CANNED FISH—NAMELY, CANNED TUNA.
Claims use since Sept. 10, 1940.

Reg. No. 409,246. Registered Sept. 26, 1944. JANE M. SHATTUCK, New York, N. Y., assignor to Frank G. Shattuck Company. Republished by Frank G. Shattuck Company, New York, N. Y., a corporation of Massachusetts.

BIACAKE SHOP

The word "Shop" is disclaimed apart from the mark as shown.
FOR CAKES, PIES, PASTRY, BREAD, COOKIES, CRACKERS, JAMS, JELLIES, FRUIT PRESERVES, CHILI SAUCE AND MAYONNAISE, CANDIES AND CONFECTIONS—NAMELY, ORANGE MARMALADE, CHERRY CONSERVE, AND BRANDIED MINCEMEAT.
Claims use since Oct. 1, 1914.

Reg. No. 409,505. Registered Oct. 10, 1944. MISSION DRY CORPORATION, Los Angeles, Calif., a corporation of Delaware. Republished by registrant.

MISSION
"EASY-WAY"

The descriptive expression "Easy-Way" is disclaimed apart from the mark as shown.
FOR SHERBET BASE (A FOOD FLAVOR FOR FOUNTAIN AND RESTAURANT USE).
Claims use since Jan. 28, 1944.

Reg. No. 409,506. Registered Oct. 10, 1944. MISSION DRY CORPORATION, Los Angeles, Calif., a corporation of Delaware. Republished by registrant.

MISSION
"REDIMIX"

The word "Redimix" is disclaimed.
FOR SHERBET BASE (A FOOD FLAVOR FOR FOUNTAIN AND RESTAURANT USE).
Claims use since June 13, 1938.

Reg. No. 408,701. Registered Aug. 29, 1944. MUTUAL CITRUS PRODUCTS COMPANY, Anaheim, Calif., a corporation of California. Republished by registrant.

BEV-ADE

The word "Ade" is disclaimed apart from the mark as shown.
FOR POWDERED FRUIT BASE FOR USE IN MAKING JELLIES, JAMS, PRESERVES, AND FOR FLAVORING SALAD DRESSING, CAKES, AND OTHER FOODS.
Claims use since Dec. 15, 1942.

Reg. No. 418,035. Registered Nov. 27, 1945. POLIS & HAGAN, Edinburg, Tex., a copartnership. Republished by registrant.



FOR FRESH CITRUS FRUITS AND FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since Feb. 5, 1945.

Reg. No. 419,319. Registered Feb. 12, 1946. J. T. GIBBONS, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

TWO-A-DAY

FOR SCRATCH FEEDS FOR POULTRY.
Claims use since September 1933.

Reg. No. 419,614. Registered Feb. 26, 1946. J. T. GIBBONS, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

GIBBMILK

FOR DAIRY FEED.
Claims use since 1925.

Reg. No. 421,225. Registered May 21, 1946. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.

MARBASE

FOR VEGETABLE OIL SHORTENING AND HYDROGENATED OIL FOR USE IN MANUFACTURING OLEOMARGARINE.
Claims use since Sept. 24, 1945.

Reg. No. 421,306. Registered May 28, 1946. J. T. GIBBONS, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

BESTO

FOR FEED FOR HORSES AND MULES, SCRATCH FEED FOR POULTRY, AND PIGEON FEED.
Claims use since Nov. 1, 1910.

Reg. No. 422,222. Registered July 9, 1946. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.

GLEAM

FOR VEGETABLE OIL SHORTENING.
Claims use since Sept. 24, 1945.

Reg. No. 422,223. Registered July 9, 1946. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.

NYLENE

FOR VEGETABLE OIL SHORTENING.
Claims use since Sept. 24, 1945.

Reg. No. 425,839. Registered Dec. 3, 1946. GREEN BAY CANNING CORPORATION, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

TA-KO-MA

FOR CANNED VEGETABLES—NAMELY, SWEET PEAS, EARLY PEAS, SHOESTRING CARROTS, DICED CARROTS, WHOLE BEETS, CUT BEETS, DICED BEETS, AND SHOESTRING BEETS.
Claims use since on or about Jan. 1, 1907.

Reg. No. 429,528. Registered May 6, 1947. VERITY MILLS, INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.



FOR RATIONS FOR COWS, HORSE FEED, DOG FEED, POULTRY MASH, CHICKEN LAYING AND BREEDER MASH, AND CHICKEN GRAINS.
Claims use since about Feb. 27, 1940.

Reg. No. 429,831. Registered May 20, 1947. OLD VIRGINIA PACKING COMPANY, INC., Front Royal, Va., a corporation of Virginia. Republished by registrant

MAJOR

FOR FRUIT JELLIES, FRUIT JAMS, FRUIT PRESERVES, AND MINCE MEAT.
Claims use since April 1936.

Reg. No. 431,162. Registered July 15, 1947. THE PAGE MILK CO., Merrill, Wis., a corporation of Delaware. Republished by registrant.



FOR SPECIAL VITAMIN A AND VITAMIN D ENRICHED EVAPORATED MILK.
Claims use since February 1940.

Reg. No. 432,573. Registered Sept. 9, 1947. JEWETT & SHERMAN CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

GOLD BOND

FOR COFFEE, TEA, COCOA, GROUND PEPPER, FLAVORING EXTRACTS, PICKLES, OLIVES; CONDIMENTS—NAMELY, PREPARED MUSTARD, CATSUP, CHILI SAUCE, AND VINEGAR; PEANUT BUTTER, SANDWICH FILLING, SANDWICH SPREAD, MAYONNAISE, THOUSAND ISLAND DRESSING, HONEY, RICE, AND FRUIT PRESERVES.
Claims use since May 1907.

CLASS 47

WINES

Reg. No. 313,628. Registered June 5, 1934. GIOVANNI VAI, Los Angeles, Calif. Republished by registrant, present address Ontario, Calif.

EL CAMINO REAL

FOR WINES.
Claims use since Dec. 5, 1933.

Reg. No. 349,369. Registered Aug. 24, 1937. GIOVANNI VAI, Los Angeles and Ontario, Calif. Republished by registrant.

Glorieta

FOR WINES.
Claims use since Nov. 9, 1936.

Reg. No. 349,370. Registered Aug. 24, 1947. GIOVANNI VAI, Los Angeles and Ontario, Calif. Republished by registrant, present address Ontario, Calif.

MIRALINDA

FOR WINES.
Claims use since Nov. 9, 1936.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 314,422. Registered June 26, 1934. THE WILLIAM SIMON BREWERY, Buffalo, N. Y., a corporation of New York. Republished by registrant.

Old Abbey

FOR ALE.
Claims use since about Feb. 5, 1934.

Reg. No. 315,354. Registered July 24, 1934. THE WILLIAM SIMON BREWERY, Buffalo, N. Y., a corporation of New York. Republished by registrant.



The words "Simon Pure" are disclaimed apart from the mark as shown. The drawing is lined for red.
FOR BEER AND ALE.
Claims use since Nov. 15, 1896.

Reg. No. 364,195. Registered Jan. 24, 1939. TERRE HAUTE BREWING COMPANY, INC., Terre Haute, Ind., a corporation of Indiana. Republished by registrant.



FOR BEER.
Claims use since Mar. 17, 1934.

Reg. No. 375,124. Registered Feb. 6, 1940. TERRE HAUTE BREWING COMPANY, INC., Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

CHAMPAGNE VELVET
BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR BEER.
Claims use since March 1935.

Reg. No. 414,104. Registered May 29, 1945. MOUNT CARBON MANUFACTURING AND SUPPLY COMPANY, Pottsville, Pa., a corporation of Delaware. Republished by registrant.



FOR BEER.
Claims use since Apr. 15, 1936.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 310,242. Registered Feb. 13, 1934. BENJAMIN P. LILIENTHAL, San Francisco, Calif. Republished by Haas Brothers, San Francisco, Calif., a corporation of California.

W. A. LACEY

FOR WHISKEY.
Claims use since 1892.

Reg. No. 312,991. Registered May 15, 1934. GIOVANNI VAI, Los Angeles, Calif. Republished by registrant, present address Ontario, Calif.

EL CAMINO REAL

FOR BRANDIES.
Claims use since Dec. 5, 1933.

Reg. No. 321,546. Registered Feb. 5, 1935. COUNTRY CLUB SODA COMPANY, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.



The word "Whiskey" is disclaimed apart from the mark as shown. The drawing is lined for the colors black, yellow, or gold, gray, and red.
FOR WHISKEY.
Claims use since Dec. 1, 1933.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 105,851. Registered Aug. 24, 1915. INGRAM-RICHARDSON MANUFACTURING COMPANY, Beaver Falls, Pa., a corporation of Pennsylvania. Republished by registrant.

PORCELIRON

FOR ENAMELED METAL SIGNS.
Claims use since Feb. 2, 1915.

Reg. No. 106,233. Registered Oct. 19, 1915. INGRAM-RICHARDSON MANUFACTURING COMPANY, Beaver Falls, Pa., a corporation of Pennsylvania. Republished by registrant.

PORCELIRON

FOR ENAMELED METAL DOOR-PLATES.
Claims use since Feb. 27, 1915.

Reg. No. 169,084. Registered June 5, 1923. AMERICAN HAIR FELT CO., Chicago, Ill. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

OZITE

FOR FELT.
Claims use since Oct. 24, 1921.

Reg. No. 172,349. Registered Aug. 28, 1923. AMERICAN HAIR FELT CO., Chicago, Ill. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

OZITE

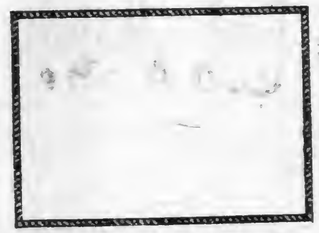
FOR HAIR CARPET CUSHIONS AND HAIR SEAT CUSHIONS.
Claims use since Oct. 24, 1921.

Reg. No. 262,347. Registered Oct. 8, 1929. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.



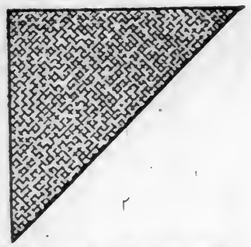
The representation of the goods is disclaimed apart from the mark as shown. The portrait shown is fanciful.
FOR HAIR CARPET CUSHIONS.
Claims use since Dec. 7, 1928.

Reg. No. 262,427. Registered Oct. 8, 1929. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The drawing is lined to indicate orange.
FOR HAIR-FELT CARPET CUSHIONS AND HAIR-FELT SEAT CUSHIONS.
Claims use since Apr. 1, 1925.

Reg. No. 263,747. Registered Nov. 12, 1929. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The drawing is lined to indicate orange.
FOR HAIR-FELT CARPET CUSHIONS AND HAIR-FELT SEAT CUSHIONS.
Claims use since June 1, 1925.

Reg. No. 282,766. Registered Apr. 28, 1931. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

SLO-ROL

FOR FELTS FOR MINIATURE GOLF COURSES.
Claims use since Dec. 3, 1930.

Reg. No. 286,584. Registered Sept. 1, 1931. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

UNDO-FELT

The word "Felt" is disclaimed apart from the mark as shown.
FOR UNDERLINING FOR FLOOR COVERINGS SUCH AS CARPETS AND LINOLEUM.
Claims use since Dec. 30, 1930.

Reg. No. 322,961. Registered Mar. 26, 1935. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Red Knight

FOR HAIR-FELT CARPET CUSHIONS AND HAIR-FELT SEAT CUSHIONS.
Claims use since Apr. 17, 1934.

Reg. No. 324,578. Registered May 21, 1935. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

PURPLE KNIGHT

FOR HAIR-FELT CARPET CUSHIONS AND HAIR-FELT SEAT CUSHIONS.
Claims use since Apr. 17, 1934.

Reg. No. 336,201. Registered June 30, 1936. J. A. WRIGHT & Co., Keene, N. H., a corporation of New Hampshire. Republished by registrant.

SIL VALET

FOR KIT CONTAINING A METAL POLISH, A SPONGE, CHAMOIS, BRUSHES, AND OTHER INSTRUMENTS FOR CLEANING OF METALS.
Claims use since Dec. 1, 1935.

Reg. No. 336,202. Registered June 30, 1936. J. A. WRIGHT & Co., Keene, N. H., a corporation of New Hampshire. Republished by registrant.



FOR KIT CONTAINING A METAL POLISH, A SPONGE, CHAMOIS, BRUSHES, AND OTHER INSTRUMENTS FOR CLEANING OF METALS.
Claims use since Dec. 1, 1935.

Reg. No. 336,696. Registered July 14, 1936. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

AMHACO
BROADFELT

The word "Broadfelt" is disclaimed apart from the mark as shown.
FOR FELT CARPETS OR RUGS.
Claims use since Feb. 13, 1935.

Reg. No. 429,313. Registered Apr. 29, 1947. LEON H. ZEUTHEN, Minneapolis, Minn. Republished by registrant.

"Les-Lee"

FOR GARMENT HANGERS.
Claims use since Aug. 1, 1939.

REISSUES

NOVEMBER 30, 1948

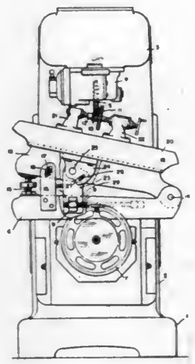
23,052
ADHESIVES FROM VEGETABLE PROTEINOUS MATERIAL
Glenn Davidson, Aurora, Ill.
No Drawing. Original No. 2,394,043, dated February 5, 1946, Serial No. 330,573, April 19, 1940. Application for reissue January 4, 1947, Serial No. 720,301
16 Claims. (Cl. 106—154)

5. A process of making an adhesive, which comprises dissolving rosin in about an equal amount of a fatty oil acid, then incorporating mahogany soap, and mixing with vegetable proteinous material, and adding water, hydrated lime, and caustic alkali for dispersion, in succession.

14. An adhesive material consisting essentially of soya bean flour and about 2–50 pounds per hundred thereof of a mahogany soap, and an alkali to give the desired consistency.

23,053
GEAR FINISHING
Max B. Mentley, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Original No. 2,411,973, dated December 3, 1946, Serial No. 471,162, January 2, 1943. Application for reissue June 14, 1948, Serial No. 32,900
6 Claims. (Cl. 90—1.6)

1. The method of finishing a shoulder gear which comprises meshing at crossed axes the gear solely with a bevel gear-like cutter having its larger end nearest the shoulder, rotating the



gear and cutter while in mesh and during the rotation relatively reciprocating the gear and cutter axially of the gear.

PLANT PATENTS

GRANTED NOVEMBER 30, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

811
ROSE PLANT
Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application May 6, 1947, Serial No. 746,231
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the Floribunda class, characterized as to novelty by the color of the flowers and their change from that in the bud stage to that in the full blown stage, the large size and shape of the flowers, the large number of petals and their arrangement, the strong fragrance of the sweet rose geranium foliage, and the distinctive form and color of the foliage, substantially as shown and described.

812
ROSE PLANT
Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application May 13, 1947, Serial No. 747,699
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by the shape of its blooms and their habit of deepening in color as the bloom grows older, its habit of upright growth and bushiness, and its foliage and filament coloring, substantially as shown and described.

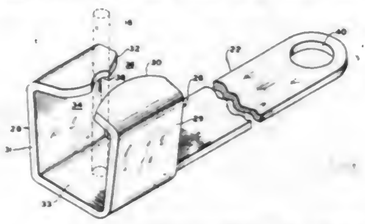
PATENTS

GRANTED NOVEMBER 30, 1948

2,454,759
METHOD OF PREPARATION OF DIMETHYL SILICONE GUMS
Moyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 11, 1946, Serial No. 676,119
4 Claims. (Cl. 260—46.5)

1. The method of making a solid, elastic, curable methylpolysiloxane containing an average of from 1.98 to 2.0 methyl groups per silicon atom, which method comprises contacting a liquid polymeric dimethylsiloxane containing an average of from 1.98 to 2.0 methyl groups per silcon atom and containing up to 2 mol per cent copolymerized monomethylsiloxane with from 1 to 50 per cent, by weight, based on the weight of the liquid methylpolysiloxane, of a sulfuryl halide.

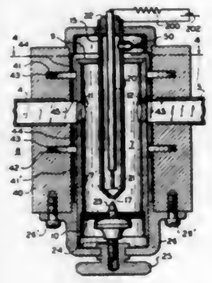
2,454,760
ELECTRICAL CONNECTOR
George M. Anderson, Highlands, N. J.
Application October 28, 1943, Serial No. 507,990
4 Claims. (Cl. 173—269)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A clip for connecting electrical circuit elements to a vacuum tube electrode comprising, a body portion connectable to the electrical circuit elements, a pair of resilient walls formed at one end of and at right angles to said body portion, cooperating inwardly directed coplanar flanges, parallel to the body portion, formed at the extremities of said walls and at right angles thereto, and means associated with said flanges adapted to receive and grip said vacuum tube electrode therebetween said means consisting of opposed convex-shaped ends on said flanges, and a concave gripping portion positioned at the central area of at least one of said concave shaped ends, so that said electrode may be moved into position between said flanges from either direction and may be securely gripped therebetween without auxiliary means.

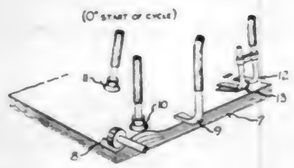
2,454,761
ULTRA HIGH FREQUENCY DEVICE
Wilmer L. Barrow, Concord, Mass., and Walter W. Mieher, Mineola, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application November 20, 1942, Serial No. 466,530
27 Claims. (Cl. 315—39)

2. A gas discharge device for ultra high frequencies, comprising a gas-filled cavity resonator resonant at the operating frequency of said device, means operably connected to said resonator for coupling ultra high frequency energy to said cavity at a voltage anti-nodal position thereof, means operably connected to said resonator for



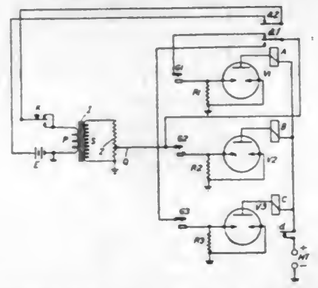
abstracting energy from said cavity also at a voltage anti-node, and means connected to said resonator for maintaining a cold discharge therein at a voltage anti-node thereof spaced from said coupling and abstracting means.

2,454,762
SHEET FEEDING METHOD AND APPARATUS THEREFOR
Frank R. Belluche, Racine, Wis., assignor to The Christensen Machine Company, Racine, Wis., a corporation of Wisconsin
Application May 24, 1946, Serial No. 672,095
9 Claims. (Cl. 271—20)



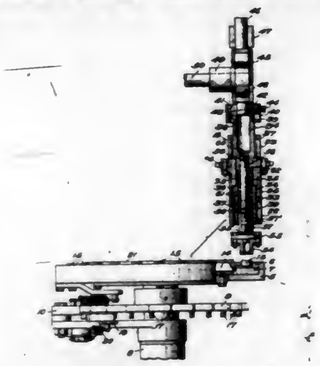
2. The hereindescribed method of feeding sheets off a stacked supply, which comprises: successively separating the rear edge portion of each sheet as it becomes the topmost, from the sheets therebeneath; positively moving the separated rear edge portion of each sucecssive sheet forward in two steps, the first step being far enough to uncover the rear edge portion of the next sheet sufficiently to be acted upon, and the second step in the movement occuring while the rear edge portion of the next sheet is undergoing the first step of its forward movement; and blowing sheet-separating-and-forwarding - air simultaneously under the topmost sheet as its rear edge portion undergoes the second step of its forward movement and under the next sheet as its rear edge portion undergoes the first step of its forward movement.

2,454,763
ELECTRICAL SYSTEM FOR GAUGING A DIMENSION BY THE WIDTH OF A SPARK GAP
Herbert Stephens Bishop, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 23, 1944, Serial No. 536,951
In Great Britain June 1, 1943
13 Claims. (Cl. 177—311)



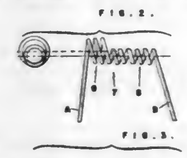
1. An electrical device for comparing a physical dimension of an article with a standard physical dimension, including two spark gaps, means for setting the lengths of said gaps respectively corresponding to said physical dimensions, parallel circuit means for applying a sparking voltage simultaneously to said gaps and means for indicating a particular gap across which a spark passes, whereby said first mentioned dimension is checked.

2,454,764
MILLING TOOL
Harvey M. Braucher, Baltimore, Md.
Application September 11, 1946, Serial No. 696,327
3 Claims. (Cl. 90—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



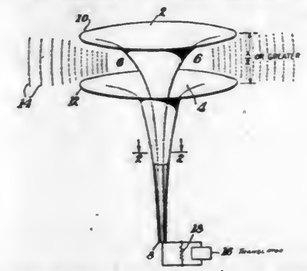
1. A tool mounting for use with a work processing machine comprising a yoke, a cam in said yoke and means for rotating it for reciprocating the yoke, means for guiding the yoke in its reciprocating movements, a hollow spindle connected to and reciprocated by said yoke, said spindle being rotatably connected with the yoke, a sleeve on said spindle and rotatable therewith, connections between the sleeve and the spindle constructed and arranged to permit a sliding movement between the spindle and sleeve, means for rotating the sleeve and consequently the spindle, a plunger slidable in the lower end of the spindle for attachment of a work engaging tool, a spring backing said plunger, a stem extending into said spindle threadedly connected with the plunger whereby said plunger may be adjusted relative to work pieces; and means for limiting the movement of the plunger in the spindle.

2,454,765
ELECTRIC HEAD LAMP PROJECTOR AND INCANDESCENT LAMP THEREFOR
Reginald K. Braunsdorff, East Orange, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware
Application September 28, 1944, Serial No. 556,115
31 Claims. (Cl. 176—34)



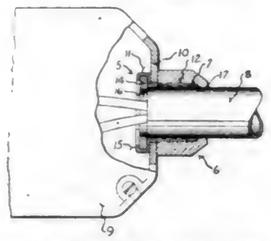
1. In an electric headlamp, a reflector, an incandescent lamp in the reflector having a lighting beam filament of the continuous coil type, said filament having its end portions formed of different coil diameters and the whole filament being positioned in the vicinity of the focal point of the reflector and at an angle to the axis of the lamp with the different diameter end portions thereof disposed on the opposite sides of the reflector axis.

2,454,766
BROAD BAND ANTENNA
Leon N. Brillouin, Providence, R. I., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application April 24, 1943, Serial No. 484,335
2 Claims. (Cl. 250—33.63)



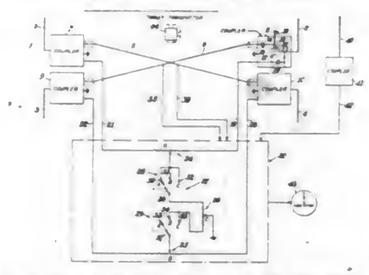
1. An antenna system having a substantially constant reactance over a frequency band of several harmonics comprising antenna elements providing two coaxial surfaces of revolution, the surface of each element having a flared portion and a tapering neck portion, each flared portion terminating in an outer rim, said rims having substantially equal diameters and being spaced apart a distance of at least one half wave length at the operating frequency, said flared and neck portions so combining that said surfaces define a wave propagating path having a variable surge impedance the value of which varies less than the ratio of ten to one over a length of said path equal to one wave length at the operating frequency.

2,454,767
CONDUIT FITTING
Herman J. Brushaber, Milwaukee, Wis.; Ralph E. Brushaber executor of said Herman J. Brushaber, deceased
Application July 27, 1946, Serial No. 686,611
7 Claims. (Cl. 285—123)



1. A fitting for anchoring and coupling smooth surfaced conduit and pipe in which a tubular male member is externally threaded to receive a nut, and means are provided for grasping a conduit or pipe received within the male member upon tightening of the nut, characterized by the fact that: the male member is stamped from sheet metal and has an integral non-circular enlargement thereon to provide means for grasping the male member to hold the same against turning, and a metal stop abutment is clinched within the non-circular enlargement to reinforce the same and limit endwise insertion of a conduit or pipe into the male member.

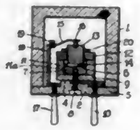
2,454,768
DIRECTION FINDING ANTENNA SYSTEM
Gordon S. Burroughs, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 25, 1945, Serial No. 601,386
14 Claims. (Cl. 343—113)



1. In combination, an antenna system having a plurality of upper and lower radiant acting elements mounted in the same plane, each of said elements having separate output circuits, and means controlling the gain of said upper element circuits and separate means for independently controlling the gain of said lower element circuits for balancing said outputs.

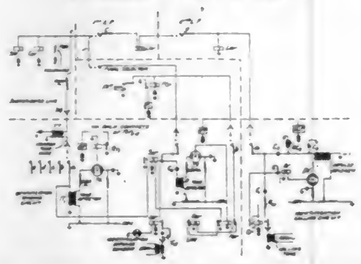
2,454,769
PIEZOELECTRIC CRYSTAL SUPPORT
Francoise A. M. Busnel, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 1, 1943, Serial No. 477,643.
In France January 23, 1942
1 Claim. (Cl. 171—327)

A piezo-electric mounting comprising a support, two terminals secured to said support, a cylindrical electrode element mounted on said support, means electrically connecting said electrode with one of said terminals, a quartz crystal disk having substantially the same diameter as said electrode element and resting on a flat electrode face of the latter, a casing for said quartz crystal disk, said casing including a cylindrical insulating sleeve surrounding said electrode element and quartz crystal disk and extending axially beyond the latter, a cover plate resting against one end face of said sleeve at a distance from said quartz crystal disk, said cover plate being provided with a central threaded bore, a screw plug electrode screwed into and traversing said bore to have its inner electrode face disposed at an adjustable distance from the elec-



trode face of said cylindrical electrode element, and resilient means mounted on said support to press said cover plate against said sleeve, including a spring blade extending substantially radially of said screw plug electrode at about the level of the outer face thereof, a centering pin mounted on the inner end of said blade and adapted to engage a central recess provided in said outer face of said screw plug so as to urge the latter and said cover plate against said sleeve, and means electrically connecting said screw plug electrode with said second terminal, including a metal bracket mounted in said support and electrically connected with said second terminal, said bracket carrying and being electrically connected with the outer end of said spring blade.

2,454,770
IDENTIFICATION CIRCUIT ARRANGEMENT FOR AUTOMATIC OR SEMIAUTOMATIC TELEPHONE SYSTEMS
Lucien A. B. Cabes, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 22, 1943, Serial No. 473,271
In the Netherlands April 25, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 25, 1961
6 Claims. (Cl. 179—18)



1. In a telephone system, a plurality of numerically designated lines, means including non-numerical and numerical switches for connecting calling lines with called lines, a set of multiple terminals in the numerical switches for each of said lines, said terminals being arranged in groups, a brush for each numerical switch co-operating with its terminals, a source of alternating current of predetermined frequency,

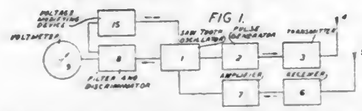
means for connecting said source over an operated non-numerical switch to the calling line, a detector responsive to said source of alternating current, means for connecting said detector to a group of lines including the calling line, another detector responsive to said source of alternating current, means for connecting the last-mentioned detector with the brush of a numerical switch, means including the last-mentioned detector for operating said brush to select the terminals of the calling line, a device for producing impulses representing the designations of the lines, a source of A. C. of different frequency for said device, a receiver responsive to the last-mentioned frequency, and means for connecting said device with said receiver over said numerical and non-numerical switches.

2,454,771
DRILL BIT ASSEMBLY
Walter E. Carr, Spokane, Wash., assignor, by decree of distribution, to Sarah Jane Carr, Spokane, Wash.
Application May 8, 1944, Serial No. 534,542
4 Claims. (Cl. 287—126)



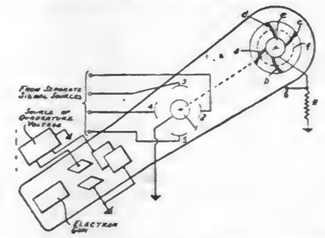
4. A drill bit assembly comprising a drill rod including a bit shank having curved cam sides tapered towards the axis of said rod, a drill bit including an annular skirt having internal cam sides mating with the cam sides on said bit shank and tapered to correspond therewith, said drill rod having an integral collar against which said skirt seats to thereby index the maximum tapered engagement of said cam sides and thereby preclude longitudinal driving of said tapers against each other, the cam sides on said skirt having sufficient clearance from the cam sides on said bit shank to afford a loose fit in the initial position and to afford a tight frictional engagement when rotated a fraction of a turn, said drill bit having a cutting head larger than said skirt, and square shoulders formed at the rear of said cutting head to engage a tool for longitudinally driving said bit off from said shank.

2,454,772
PULSE ECHO SYSTEM FOR DISTANCE MEASURING
Prafulla Kumar Chatterjea and Leslie Wilfred Houghton, London W. C. 2, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application December 10, 1942, Serial No. 468,570
In Great Britain March 20, 1942
4 Claims. (Cl. 343—13)



1. System for measuring the distance of an object comprising a sawtooth wave oscillator having a normal operative period, a pulse generator controlled by said saw-tooth wave oscillator for generating electrical pulses, a radio transmitter, means for modulating the output of said radio transmitter by said electrical pulses, means for receiving and detecting the pulse modulated waves after reflection by said object whereby electrical pulses are obtained, means for applying said received electrical pulses to said saw-tooth wave oscillator to initiate the fly-back stroke thereof prior to the normal termination of said period and thereby to control its frequency, an indicating device, means for deriving from an output of said saw-tooth wave oscillator a voltage proportional to the frequency of the resultant generated sawtooth waves, and means for applying said voltage to said indicating device.

2,454,773
PULSE MULTIPLEX TRANSMITTER EMPLOYING A CATHODE-RAY TUBE TIME MODULATOR
Prafulla Kumar Chatterjea and Leslie Wilfred Houghton, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Original application March 14, 1944, Serial No. 526,566. Divided and this application October 6, 1945, Serial No. 620,818. In Great Britain April 7, 1943
5 Claims. (Cl. 179—15)



3. A multi-channel pulse modulator comprising means to produce a beam of electrons, beam deflection means, a source of control wave energy, means for applying said control wave energy to said deflecting means to cause the beam to have a given sweep movement, a plurality of signal channel input circuits, a plurality of deflection means each associated with a separate one of said input circuits, to control deflection of the beam successively during its sweep movement according to increments of the input signals of said circuits, and beam responsive means presenting narrow target areas for impingement by electrons of said beam, one for each signal channel, said target areas being disposed at an acute angle to the direction of signal deflection of said beam for the corresponding signal channel to produce pulses of energy modulated according to the corresponding signal deflections of said beam.

2,454,774
ANTENNA
Frank O. Chesus, Jackson Heights, and Frank G. Thomas, Islip, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 29, 1945, Serial No. 613,329
13 Claims. (Cl. 250—33)

1. An antenna having two radiating elements the dimensions of which are suitably chosen for relatively wide frequency band operation, one only of said elements having connections to a transmission line of given impedance, the other of said elements being substantially twice the length of said one element and having the lower half of its length surrounded by the same, the

upper half of said other element being a radiating portion, a conductor extending coaxially within said other element and included in one of said connections, and a resistor extending through an orifice intermediate the ends of said



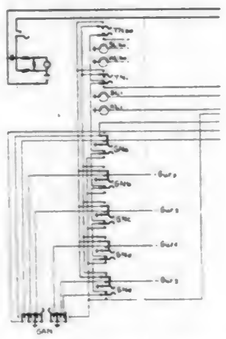
other element and connected in series between said conductor and the adjacent end of said one element, the general arrangement being such that energy transfer is obtained between the two said elements and an impedance match is provided between said antenna and said transmission line.

2,454,775

ELECTRIC ALARM SIGNALING SYSTEM

Eigil Cohrt, Copenhagen, Denmark, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application May 1, 1943, Serial No. 485,405
In Denmark July 13, 1940
7 Claims. (Cl. 179—5)



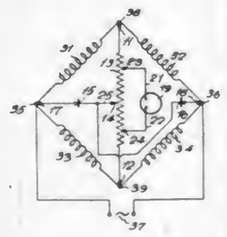
1. In a telephone system with alarm device having a command-station, a telephone at said command-station, a two wire main line connected to said telephone at said command-station, a plurality of two wire subscriber lines and a plurality of subscriber telephones each including a bell circuit connected across the associated subscriber's line when said subscriber's telephone is in its inoperative position and a microphone circuit substituted for said bell circuit across said subscriber's line when said subscriber's telephone assumes its operative position, the combination of a calling circuit for each individual subscriber, individual talking keys at said command-station to close each of said calling circuits, a calling relay in each of said calling circuits to connect, upon being energized, the called subscriber's line to the main line, a ringing machine common to all subscribers, a ringing circuit for each subscriber adapted to be connected to said common ringing machine, an answer relay for each subscriber, a ringing relay for each subscriber, an energizing circuit for each ringing relay including a slow working back contact of said calling relay, a stick circuit for each ringing relay containing a back contact of the corresponding answer relay and a fast working front contact of said calling relay, said ringing relay being adapted to break the subscriber's line intermediate said calling relay and the subscriber's telephone and to connect said ringing circuit through a winding of the answer relay to the part of the subscriber's line connected to said telephone, each answer relay being adapted to remain deenergized when a circuit through its winding is closed over the corresponding bell circuit and to become energized when it is traversed by current flowing through the subscriber's microphone circuit, a source of microphone current for each subscriber's telephone, a microphone current circuit connecting said source of microphone current across the corresponding subscriber's line over a winding of said answer relay, a back contact of the ringing relay and a front contact of the calling relay, a number of group keys at said command-station, a number of group calling relays each energized upon operation of the corresponding group key to close a predetermined group of calling circuits, and an alarm relay for each subscriber energized over a front contact of the corresponding group calling relay, each alarm relay having a back contact inserted in the corresponding microphone current circuit.

2,454,776

INDICATING CIRCUIT FOR ALTERNATING-CURRENT BRIDGES

Harold B. Conant, Lincoln, Nebr.

Application June 8, 1945, Serial No. 598,393
2 Claims. (Cl. 171—95)



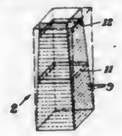
2. An alternating-current bridge circuit comprising a plurality of impedances arranged with one pair of opposite terminals adapted to be connected to a source of alternating-current energy, a voltage divider connected to a second pair of opposite terminals of said bridge circuit, a full-wave rectifier connected between the electrical center of said voltage divider and said first pair of terminals whereby unidirectional currents between said source and said second pair of terminals traverse said voltage divider during both halves of a cycle of said alternating-current energy, and a direct-current responsive instrument connected to said voltage divider at points equally spaced on opposite sides of said electrical center.

2,454,777

METHOD OF MANUFACTURING PIEZO CRYSTALS

Walter Irving Cronan, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application December 26, 1944, Serial No. 569,745
6 Claims. (Cl. 51—283)



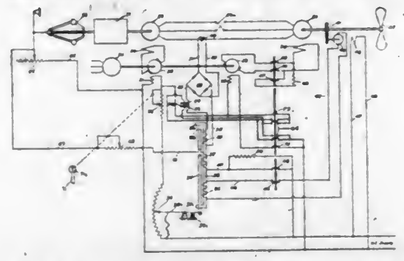
6. The method of manufacturing piezo crystal blanks of different frequency characteristics, comprising the following steps: piling up the said blanks one above the other to form a loaf, joining said piled up blanks to form a rigid block, grinding at least two of the four sides of the said loaf at a predeterminded angle of less than 90° to the base in order to taper said loaf to a largest predeterminded size on one end and a smallest predetermined size on the other end of the said loaf, then separating all of the blanks of the said loaf, thereby producing a blank of lowest predetermined frequency at one end, a blank of highest predetermined frequency at the other end of the loaf, and a plurality of blanks of intermediate frequencies between the said highest and said lowest frequencies.

2,454,778

ELECTRICAL CONTROL SYSTEM

Herman H. Curry, United States Coast Guard

Application June 7, 1945, Serial No. 598,180
14 Claims. (Cl. 318—147)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



14. In a propulsion system, in combination, a prime mover, an alternating-current generator mechanically coupled thereto, a motor selectively operable as a synchronous and as an induction motor and energizable from said generator, field windings for said motor and generator, separate exciters for each of said field windings, field windings for each of said exciters connected in parallel to a source of direct current, means for selectively securing a speed range for said motor extending above and below synchronous speed of said motor at idling speed of said engine, field-control means for manually adjusting motor- and generator-exciter fields, automatic field-control means associated with said manually-operated field-control means including a solenoid-operated variable resistor in series with the said motor- and generator-exciter fields; solenoid means consisting of a plurality of coils about a common core-and-armature system for varying said variable resistor, the ampere-turns of one of said coils being responsive to motor speed, the ampere-turns of another of said coils being responsive to current flowing between said generator and motor, and the ampere-turns in a third of said coils being responsive to prime mover speed, the said third coil being arranged to oppose the other two, means for adjusting the ampere-turns in the said third coil and such that the ampere-turns in said third coil are selectively greater than the combined ampere-turns of the said other two coils during operation in one of said speed ranges and less than the combined ampere-turns in the said other two coils during operation in the other speed range, such that an increase in motor speed and generated current acts to increase resistance of said variable resistor in the subsynchronous speed range but to decrease resistance of said variable resistor in the synchronous speed range.

2,454,779

METHOD FOR THE PREPARATION OF METHALLYLBENZENE AND RELATED COMPOUNDS

David Davidson, New York, N. Y., and Samuel J. Kahn, Rutherford, N. J., assignors to The Trubek Laboratories, Incorporated, East Rutherford, N. J., a corporation of New Jersey

No Drawing. Application July 26, 1947, Serial No. 764,008
13 Claims. (Cl. 260—668)

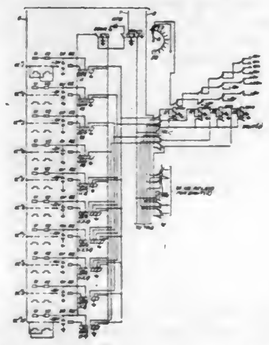
1. The method for the preparation of methallylbenzene and certain para-alkyl methallylbenzenes which comprises heating at pyrolysis temperatures in admixture with at least a stoichiometric amount of a material selected from the group consisting of alkali metal salts of acids having a pK value within the range 4–7 and alkaline earth metal salts of acids having a pK value within the range 4–7 a compound having the generic formula A—P—X, in which A is a substituent selected from the group consisting of hydrogen and alkyl radicals having from one to seven carbon atoms, P is the para-phenylene radical, and X is a substituent selected from the group consisting of the chloro-tertiary-butyl, bromo-tertiary-butyl and iodo-tertiary-butyl radicals.

2,454,780

TELECOMMUNICATION SWITCHING SYSTEM

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

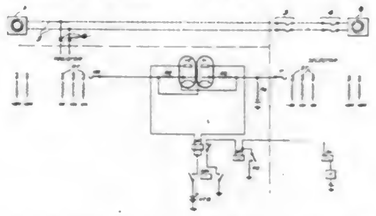
Application August 28, 1943, Serial No. 500,412
3 Claims. (Cl. 177—353)



3. A system for selectively connecting one or more sources of discrete marking potentials from

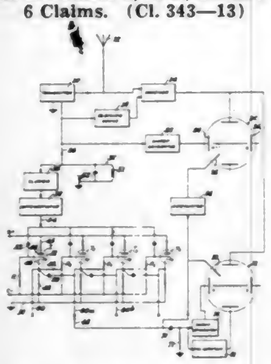
a plurality thereof to one or more marking potential storing points in response to the transient selection of one or more controlling potentials from a plurality thereof, including pluralities of sources of discrete controlling potentials, comparing potentials, and marking potentials, one or more marking potential storing points, an electronic switching device for responding to a controlling potential of transient duration to connect an individual marking potential to a potential storing point in accordance therewith, means for transiently selecting one controlling potential at a time and applying it to the switching device, said device comprising a plurality of potential comparing means each one for comparing any controlling potential applied to the device with a predetermined comparing potential to perform a switching operation when it is substantially equal thereto, each potential comparing means comprising an electron discharge apparatus whose electrodes include two cathodes, two control grids and at least one anode and afford two electron discharge paths, means including a gas discharge tube having a control electrode and a main gap for performing the switching operation, means for applying to the control grid associated with one discharge path and to the cathode associated with the other all controlling potentials applied to the switching device, means for applying to the other control grid and to the other cathode a predetermined one of the comparing potentials, a common output path for the two electron discharge paths including an anode resistance and a source of anode potential connected in series, means for connecting said control electrode to the end of said anode resistance farthest from said source of anode potential, and a source of energizing potential for said main gap, the characteristics of the discharge apparatus and of the gas tube and the values of the anode resistance, the source of anode potential and the source of energizing potential being selected so that the the gas tube will ionize to perform the switching operation only when potentials of substantially the same value are applied to both grids and cathodes, and means including one or more sets of marking potential selecting relays, each set being individually associated with one storing point and responsive to the ionization of a particular gas tube to connect to said storing point one of the sources of marking potentials which corresponds to said particular tube.

2,454,781
MATCHED POTENTIAL CONTROL SYSTEM
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application September 17, 1945, Serial No. 616,909
9 Claims. (Cl. 179—18)



1. An electrical control system comprising two triodes, and actuating means including two opposed elements each responsive to current from a different one of the triodes and operative when the two opposed elements are in balance, and means for initially inhibiting the operation of the actuating means for a limited period longer than transient undesired balancing of said element during operation, whereby false operation of the actuating means is prevented.

2,454,782
ADJUSTABLE EXPANDED SWEEP FOR RADAR OSCILLOSCOPES
Louis A. de Rosa, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application December 8, 1942, Serial No. 468,198
6 Claims. (Cl. 343—13)

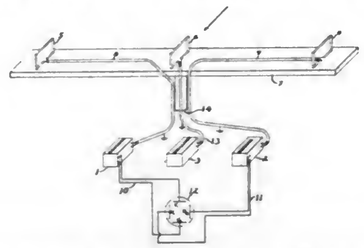


1. In a radio detection system having means to transmit impulses and receiver means including first and second oscillographs each with a sweep producing means to receive and indicate echo pulses caused by obstacles in response to transmitted impulses; the combination therewith of reference indicator control means comprising means to generate a series of pulses in response to impulse transmission, means providing a plurality of conductive paths, means to restrict conduction of said paths in a time relation corresponding to the occurrence of said pulses, means to selectively obtain energy from said conductive paths thereby producing a reference pulse of given duration selectively displaced with respect to the occurrence of said impulse transmission, means to apply said reference pulse to said first oscillograph to produce thereon a reference indicator designating a time interval corresponding to said given duration, and means responsive to energy of said reference pulse to synchronize the sweep of said second oscillograph with the part of the sweep of said first oscillograph designated by said reference indicator.

2,454,783
RADIO DIRECTION FINDER
Edward N. Dingley, Jr., Arlington, Va.
Application December 2, 1936, Serial No. 113,794
4 Claims. (Cl. 343—116)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

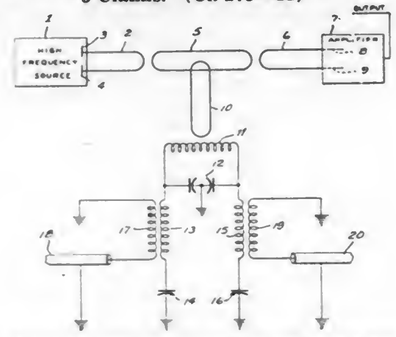
1. Apparatus as described, comprising a pair of radio wave collector loops laterally spaced apart, and unconnected to each other, a third loop equi-distant from the loops of said pair, all of said loops being mutually parallel, a rotatable member upon which all of said loops are fixed, an oscillator connected to supply energy to said third loop to be radiated therefrom, the frequency of the energy from said oscillator differing from that of the energy from a distant source received by said collector loops by a value within the audio

range, an amplifying receiver connected to each of the loops of said pair, and a cathode ray oscilloscope having its vertical deflection plates connected to the audio output leads of one of said



receivers and its horizontal deflection plates connected to the audio output leads of the other of said receivers, whereby to indicate the phase relation between the outputs of the two receivers.

2,454,784
HIGH-FREQUENCY POWER SUPPLY TO MULTIPLE LOADS
James S. Engel, New Rochelle, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 29, 1944, Serial No. 528,552
3 Claims. (Cl. 178—44)

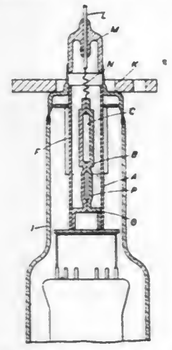


1. A high frequency circuit comprising a source of high frequency power having a balanced output circuit, a high impedance circuit tuned to the frequency of said source, means coupling said high impedance circuit to said balanced output circuit in such manner as to maintain the latter in balance, means to balance said high impedance circuit with respect to ground, a pair of low impedance circuits, one connected between one side of said high impedance circuit and ground and the other connected between the other side and ground, and a pair of output circuits, one coupled to each of said low impedance circuits.

2,454,785
METHOD OF MAKING UREA-ALDEHYDE RESIN DISPERSIONS
Loy S. Engle, Harrington Park, and Edward Sheridan, South Bound Brook, N. J., and Earl K. Fischer, Long Island City, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application June 11, 1941, Serial No. 397,548
3 Claims. (Cl. 260—33.4)

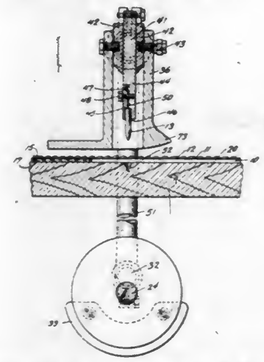
1. The method of dispersing pigment in a heat-convertible area-aldehyde resin without gelling the resin, which comprises malaxating a mixture of the pigment and a 60% to 90% solution of the resin in a solvent boiling within the range of 100° C. to 250° C., while cooling the malaxating machine, the proportion of pigment to resin solution being such as to yield a malaxatable plastic.

2,454,786
ELECTRON DISCHARGE APPARATUS
Christopher Henry Foulkes, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application November 20, 1943, Serial No. 511,099
In Great Britain July 17, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 17, 1962
10 Claims. (Cl. 250—27.5)



1. A resonator structure having a bunching zone, a catching zone and an intermediate drift space, and a drift tube structure surrounding the drift space, including co-extensive abutting flat metal sections having registering integral off-set portions forming the drift tube.

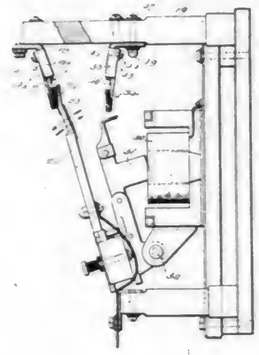
2,454,787
PROCESS FOR DRY EXPANSION OF WOOD VENEER
Joseph R. Francek, Fox River Grove, Ill., assignor to Edmund J. Sheehan, Chicago, Ill.
Original application August 18, 1943, Serial No. 499,079. Divided and this application September 28, 1944, Serial No. 556,185
5 Claims. (Cl. 144—309)



1. The method of expanding and flexing a wood veneer sheet backed with a sleazy material com-

prising piercing the veneer in a series of piercings arranged along lines disposed diagonally to the grain while holding the fibers of the veneer in place upon one side with said backing closing the spaces caused by said sharp points.

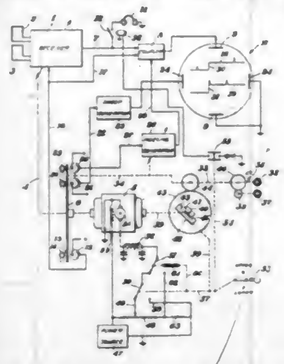
2,454,788
MULTIPLE CONTACTOR
Joseph F. Frese, Baltimore, Md., assignor to The Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application February 5, 1945, Serial No. 576,313
5 Claims. (Cl. 200—166)



1. A multiple contactor comprising, a multiplicity of resilient strip members stacked face to face and united at one end and free to move in a fan-like spread at their opposite ends as said strip members are moved toward or away from an abutting contact, said resilient strip members having their ends bent at an angle to the surface thereof and having a pair of symmetrically arranged spaced apertures at said bent ends, said sheet-like contact members enveloping said bent ends and being extruded into the pair of symmetrically arranged apertures in the bent ends of said strip members for forming contacts operative to establish progressive connection with said fixed contact, said contact members each extending in substantially parallel planes substantially normal to the face of said strip members.

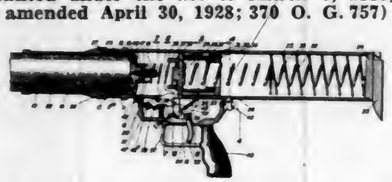
2,454,789
TUNING CONTROL MECHANISM
Frederick W. Frink, East Orange, N. J., and Murray Kaplan, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 16, 1945, Serial No. 599,908
17 Claims. (Cl. 250—20)

1. In a frequency scanning receiver, means for adjusting said receiver to a desired tuned position, comprising a motor for scanning the tuning means of said receiver over a predetermined range, an indexing generator controlled by said motor to provide an indexing indication of the desired tuned position, means for adjusting said indexing indication over said frequency range, a detent rotatable with said motor, a stop means rotatable with respect to said detent under control of said means for adjusting said indexing indication, and means for moving said stop means



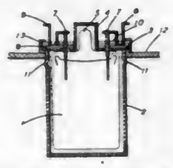
into the path of said detent to stop said motor in the tuned position indicated by said index.

2,454,790
FIRING MECHANISM
Emil Garrett, United States Marine Corps
Application April 22, 1944, Serial No. 532,236
9 Claims. (Cl. 42—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



8. A mortar comprising a tubular casing, movable means within said casing for containing ammunition in a firing position, a closure at the end of said containing means juxtaposed to said ammunition, said closure having a spring biased percussion firing means therein, a spring driven striker for said firing means, and spring means mounted between said striker and said closure for maintaining said firing means in an impact receiving position with respect to said striker.

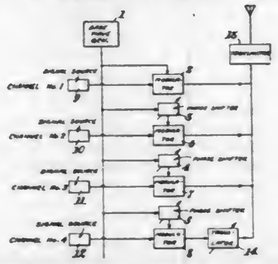
2,454,791
VACUUM TUBE AND MOUNTING THEREFOR
William Thomas Gibson, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application January 5, 1946, Serial No. 639,286
In Great Britain January 16, 1945
6 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an envelope of insulating material having conductors for the electrodes of the device sealed through said envelope, a metal envelope enclosing said insulating envelope, a base plate provided with

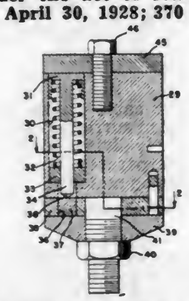
apertures and mounted on said metal envelope with said conductors passing through said apertures, and metallic tags secured to said conductors adjacent said apertures whereby said discharge device is effectively screened.

2,454,792
PULSE MULTIPLEX COMMUNICATION SYSTEM
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 19, 1944, Serial No. 550,184
17 Claims. (Cl. 179—15)



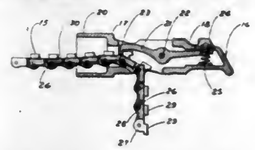
1. A multi-channel communicating system comprising means for producing for each of a plurality of channels a separate pulse train time modulated in accordance with a corresponding signal, means to time differently the pulses of the different channels to interleave the different pulse trains together as a single train of pulses, pulse position translating means in at least one of said channels, means for transmitting said interleaved train of pulses over a common transmitting medium; pulse receiving means having a plurality of receiving channels; a plurality of channel pulse train segregating means, one for each of said receiving channels; pulse position translating means in at least one of said receiving channels, and demodulating means in each of said channels.

2,454,793
SHOCK GAUGE
Charles H. Grogan, West Falls Church, Va., and Charles E. Crede, Winchester, Mass.
Application July 18, 1944, Serial No. 545,529
4 Claims. (Cl. 73—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A shock gage comprising a body, non-resistably deformable material inserts therein, a series of masses each having an end in contact with said material, resilient means exerting different forces in one direction on the several masses, whereby the sizes of the depressions said ends make in the surface of said material due to displacement of each of the several masses during a shock constitute a measure of said shock.

2,454,794
SASH HOLDER
Alfred Hakanson, Alhambra, Calif.
Application July 31, 1945, Serial No. 608,067
1 Claim. (Cl. 292—264)



In a sash holder adapted to hold a sash member in a chosen angular position with respect to a frame member to which the sash member is hinged, the combination which comprises a chain formed of a plurality of adjoining links, each having a bifurcated end and an extension on the opposite end adapted to project within the bifurcated end of the adjoining link, a pin journalled through the bifurcated end of each link and through the extension of the adjoining link, a boss on the upper edge of each of the extensions adapted to engage the bifurcated end of the adjoining link to prevent flexure of the chain in more than one direction, means for fastening an end of the chain to one of the members, and a clamp adapted to be mounted on the other member for holding a given length of chain between the two members by engagement with one of said bosses.

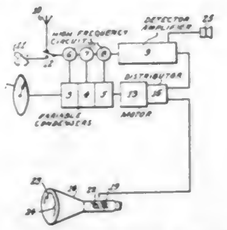
2,454,795
POLYMERIZATION OF ROSIN
Burt L. Hampton, Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 10, 1946, Serial No. 675,827
14 Claims. (Cl. 260—97)

1. The process for polymerizing rosin which comprises the step of treating rosin in liquid phase with a small amount to about 10% of a catalytic material selected from the group consisting of cobaltous chloride and cobaltous bromide, for a time of between about one-half to about 100 hours, at temperatures between about 50° C. and 165° C.

2,454,796
POLYMERIZATION OF ROSIN
Burt L. Hampton, Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 10, 1946, Serial No. 675,829
10 Claims. (Cl. 260—97)

1. The process for polymerizing rosin which comprises the step of treating rosin in liquid phase with an effective amount less than 1% of a catalytic material selected from the group consisting of the chlorides and bromides of antimony, in combination with a small amount of free hydrogenhalide selected from the group consisting of hydrogen chloride and hydrogen bromide, said treating step being carried on at temperatures between about 50° C. and 165° C. for a time sufficient to effect polymerization of at least some of the rosin.

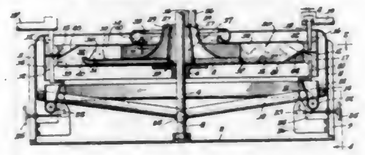
2,454,797
RADIO-ELECTRIC RECEIVER, PARTICULARLY FOR WATCH ON BROAD FREQUENCY BANDS
René Hardy, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 24, 1943, Serial No. 488,294
In France May 17, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 17, 1961
25 Claims. (Cl. 343—115)



1. A combined transmission supervision and direction finding system comprising a receiver, means to tune said receiver through a predetermined band of frequencies, an indicating device, means to produce an indication on said device each time said receiver receives a signal from a transmitter, means to separate the indications thus produced so as to identify the frequencies corresponding thereto, a direction finding antenna system associated with said receiver, means to change the directivity of said antenna system, and means to indicate on said indicating device a direction of any particular transmitter being received by said receiver.

18. A combined transmission supervision and monitoring system comprising a control receiver, means to tune said control receiver through a predetermined band of frequencies, an indicating device, means to produce an indication on said device each time said receiver receives a signal from a transmitter, means to separate the indications thus produced on said indicating device in a predetermined manner so that the frequency of the signals received may be identified, a monitoring receiver, means to tune said receiver through said same band of frequencies, and means to produce on said indicating device an indication corresponding to the frequency at which said monitoring receiver is tuned.

2,454,798
CENTRIFUGAL SEPARATION OF SOLIDS ACCORDING TO SPECIFIC GRAVITY
Joseph Harrington, Riverside, Ill.
Application March 21, 1945, Serial No. 583,953
3 Claims. (Cl. 209—155)



1. In a device of the class described, in combination with a rotatable turret or head, a pair of screens disposed concentrically about and spaced from the edge of said turret, said turret being provided with a series of spaced apart, radial channels, means providing a series of chambers in said channel, said chambers opening at the outer periphery of the turret adjacent one of said screens, means providing a horizontal imperforate partition dividing said chamber and screens into screened compartments, means for delivering liquid carrying solids of different specific gravities therein to said turret to cause said turret to centrifuge said liquids into said chambers, means for delivering controlled additional liquid to said chambers in sufficient amounts whereby the major portion of the liquid in said chambers will not pass through one of said screens but will back up in said chambers and flow inwardly toward the center of rotation of the turret, means disposed between said chambers and the axis of rotation of said turret for conducting said backed up liquid into a channel that is separate from said chamber, means for delivering said backed up liquid carrying the lighter constitutent to said second screen under the influence of centrifugal force created by said turret for causing said liquid to pass through said second screen and said lighter constituent to be retained by said second screen, and means for collecting said last mentioned retained constituent from said second screen.

2,454,799
METHOD OF PRODUCING PROTECTIVE COATINGS ON MAGNESIUM POWDER
David Hart and Henry J. Eppig, Dover, N. J.
No Drawing. Application December 9, 1944, Serial No. 567,500
1 Claim. (Cl. 148—6.21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The method of producing a moisture resistant coating on magnesium powder which comprises contacting said powder for about half an hour at room temperature with a solution consisting of about 0.2 percent of an alkali metal hydrogen sulphate, from about 5 percent to about 10 percent of an alkali metal dichromate and the remainder water.

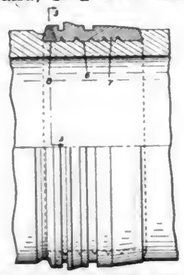
2,454,800
INSULATED ELECTRIC CABLE AND INSULATION THEREFOR
Sidney R. Hartstein, New Brunswick, N. J., and Fred Stolte, St. Albans, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 4, 1945, Serial No. 608,875
18 Claims. (Cl. 174—28)



1. In an electric cable having a longitudinal conductor, insulation surrounding said conductor and comprising finely divided air-retaining diatomaceous silica incorporated in a binder of strong and flexible insulating material.

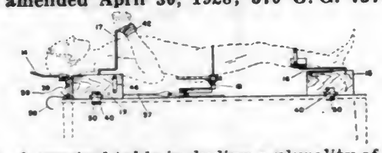
2,454,801
ROTATING BAND
Harold H. Himmer, Aberdeen, Md.
Application April 23, 1945, Serial No. 589,829
4 Claims. (Cl. 102—93)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a rotating band of gilding metal for a projectile; a steel band mounted on the projectile and directly behind the rotating band, said steel band being of a



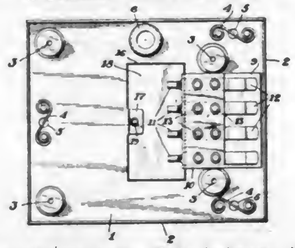
smaller external diameter than the rotating band and of a greater diameter than the projectile.

2,454,802
PORTABLE SURGICAL TABLE
Herbert E. Hipps, United States Navy
Application May 4, 1945, Serial No. 592,053
9 Claims. (Cl. 311—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



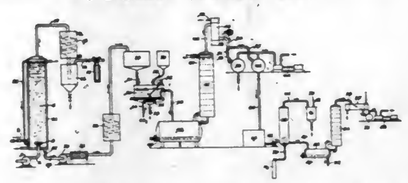
1. A surgical table including a plurality of platforms and means for detachably securing them together to define a base assembled upon a common horizontal support and comprising adjacent thigh platforms having edge recesses which form an opening in the base, a pelvic rest positioned in the opening and having a post extending upwardly through the opening and a pair of diverging supporting bars at opposite sides of the post, and adjustable head, arm, and leg rests supported by other platforms forming the table.

2,454,803
CONNECTING BASE PLATE
Ignatius J. Israelski, Jersey City, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 20, 1945, Serial No. 573,795
2 Claims. (Cl. 173—328)



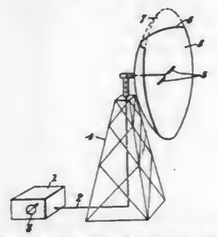
1. A connecting base plate between two electrical devices, comprising a box open at the bottom, a top plate substantially flat, a plurality of terminals insulatedly fastened to said top plate within the box, a plurality of contact springs, each of which is connected with one of said terminals, said fastening and connecting means being such as to maintain both the terminals and spring contacts accessible through openings in said top plate, said contact springs being adapted to receive contact bolts of one of the said electrical devices, and portions of said base plate being depressed from the plane of said top toward the plane of its open bottom, and perforated to secure said plate to the substantially plane surface of the other one of said electrical devices.

2,454,804
MANUFACTURE OF TETRALOL
Robert Johnson, Verona, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application March 20, 1946, Serial No. 655,773
6 Claims. (Cl. 260—618)



1. A process for the production of alpha tetralol from tetralin comprising the steps of: passing a gas containing oxygen through tetralin in liquid phase containing in suspension about 1 per cent of a comminuted metal carbonate catalyst and oxidizing tetralin to tetralin peroxide at a temperature between about 80° and 120° C.; treating the tetralin oxidation reaction product with an aqueous caustic solution at a temperature between about 60° and 120° C. to convert the tetralin peroxide to a mixture of alpha tetralone and alpha tetralol; decanting an oily mixture of tetralin, tetralone, and alpha tetralol from the caustic solution; distilling the decanted mixture in vacuo and separating tetralin therefrom; adding copper-oxide chromium-oxide catalyst to the remaining mixture of alpha tetralone and alpha tetralol; subjecting the admixture to hydrogen under pressure and at a temperature between about 90° to 110° C. and thereby hydrogenating alpha tetralone to alpha tetralol; distilling under vacuum to recover alpha tetralol.

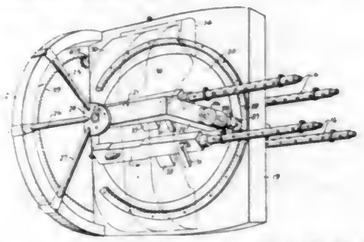
2,454,805
VERTICAL SCANNING ANTENNA-REFLECTOR SYSTEM
Armig G. Kandoian, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 7, 1945, Serial No. 592,409
2 Claims. (Cl. 250—33.65)



1. A method for scanning a given vertical angular zone by means of the electromagnetic radiation of a transmitter, comprising producing a given vertical pattern at a given frequency and at a constant power output, introducing a distortion in said pattern to improve the relative field

intensity in a given angular zone by diverting radiating power to said zone, and progressively varying the frequency of transmission, whereby said distortion progressively changes its position with the change in frequency to scan said given zone.

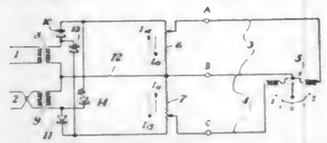
2,454,806
MEANS FOR MOUNTING MACHINE GUNS IN AIRPLANES
Paul H. Kemmer, Fairfield, and Carl E. Reichert and Charles S. Butt, Jr., Dayton, Ohio
Application July 9, 1943, Serial No. 493,982
3 Claims. (Cl. 89—37.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A gun turret structure having a field of fire covering a spherical sector with a vertex angle greater than 180° for use on opposite outboard positions of an aircraft to provide a complete sphere of fire about the aircraft comprising; an annular base member adapted to be secured to an aircraft structure; a cup-shaped turret member having an axis of revolution passing concentrically through an open end thereof, said turret member adjacent its open end and said annular base member being juxtaposed in relatively movable concentric relation wherein said turret member may rotate about said axis of revolution throughout 360°; operator-controlled power actuated means operatively associated with said cup-shaped turret and annular base members to power rotate said cup-shaped turret member; a U-shaped gun mount journaled at the ends thereof within said cup-shaped turret member rotatable about an axis perpendicular to said cup-shaped turret member axis of revolution through an angle greater than 180°; a turret support having a circular opening therein concentric to said gun mount axis in which the closed portion of said U-shaped gun mount is operable in an arc in close relation to the periphery of said circular opening; gun means mounted on said gun mount to point substantially radially outward from said gun mount axis of rotation, said cup-shaped turret member having slots therein through which said gun means are operative; and operator-controlled power actuated means operatively associated with said turret support and said U-shaped gun mount to power rotate said gun mount about its axis whereby said gun means are actuatable to be directed throughout a sperical field of fire greater than a hemisphere.

2,454,807
CONTROL CIRCUITS
Arthur Kennedy, Wood-Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 23, 1946, Serial No. 642,937
5 Claims. (Cl. 175—363)

2. A control circuit comprising a pair of potentiometers, two sources of voltage to be compared, and two rectifiers, connections from one source through one rectifier to one potentiometer, connections from the second source through the second rectifier to the second potentiometer, means including a third rectifier for passing a direct current component of said one source through said second potentiometer opposite in direction to the current from said second source,

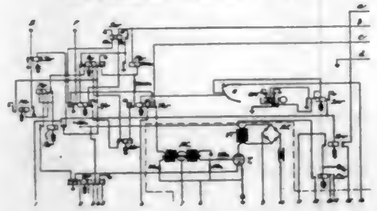


including a fourth rectifier means for passing a direct current component of said second source through said one potentiometer opposite in direction to the current from said one source, and a center connection joining a point on the connection between the two sources of voltage with a point of the connection between the two potentiometers.

2,454,808
REAGENT AND PROCESS FOR RESOLVING EMULSIONS
Willard H. Kirkpatrick and Doyne L. Wilson, Sugar Land, Tex., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application February 23, 1946, Serial No. 649,744
8 Claims. (Cl. 252—342)

1. A process for breaking emulsions of the water-in-oil type comprising subjecting the emulsion to the action of a blown mixed ester of a polyhydric alcohol and a mixture of at least two dissimilar unsaturated carboxy acids wherein at least one of said acids is a carbocyclic resin acid and another of said acids is a fatty acid having at least 8 and not more than 32 carbon atoms in the chain, the total acids forming the lesser of said carboxy acids component being at least 30% by weight of the whole of said carboxy acids mixture, said ester being blown to a soft, viscous condition.

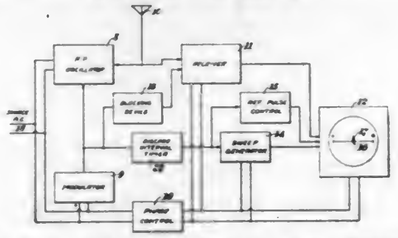
2,454,809
TELEPHONE SYSTEM UTILIZING REGISTER CONTROLLED FINAL SELECTOR SWITCHES
Jacob Kruithof, Ladislas Kozma, and Martinus den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 16, 1943, Serial No. 472,624
In the Netherlands June 10, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 10, 1961
22 Claims. (Cl. 179—18)



1. In a telephone exchange system, a plurality of numerically designated lines, switching means including final selectors for connecting a calling

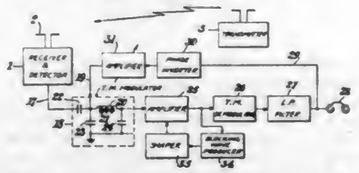
with a called line, each of said selectors having sets of bank contacts to which lines are connected, brushes cooperating with said contacts, means for moving said brushes over said contacts in succession, a register controller, an impulse device associated with the calling line for operating said register controller in accordance with the designation of the called line, switches for associating said register controller with a final selector, means directly controlled by the register controller for operating said brushes to select a line in accordance with the tens and units designations thereof, and signals characteristic for the lines sent through the moving brushes of the final selector to the register controller controlling the operation thereof.

2,454,810
RADIO TRANSMITTING AND RECEIVING SYSTEM
Emile Labin, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application January 23, 1943, Serial No. 473,310
18 Claims. (Cl. 343—5)



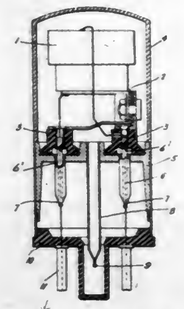
7. A method of operating a radio detection system having a transmitter to transmit recurring impulses and a receiver together with a cathode ray oscillograph to receive and indicate echoes of the transmitted impulses, which method comprises energizing simultaneously directly the circuits of the system with alternating current, correlating the generation of a sweep potential for the oscillograph to occur in synchronism with the occurrence of said impulses, and causing the peak portions of said current to occur in the circuits of said receiver and said oscillograph during the sweep interval of said oscillograph.

2,454,811
PULSE SIGNALING SYSTEM
Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 17, 1945, Serial No. 588,844
17 Claims. (Cl. 250—20)



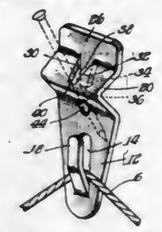
1. A method of changing the time displacement of time modulated pulses comprising demodulating the time modulated pulses to obtain the signal energy thereof, and time modulating the time modulated pulses with the energy thus obtained.

2,454,812
ELECTROMECHANICAL AMPLIFIER
Marc A. Lalande, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 29, 1943, Serial No. 512,123
In France March 23, 1940
3 Claims. (Cl. 179—171)



1. An electro-mechanical telephone amplifier unit comprising, a cup-like metal shell having a cylindrical side wall terminating at one end in a circular opening, a base plate covering and sealing said opening, a plurality of insulated connector pins rigidly mounted on said base plate and projecting away from said shell, a metal partition dividing the space within said shell into a base compartment adjacent said base plate and a working compartment remote from said base plate, insulating means mounted on said partition within said working compartment, an electro-mechanical telephone amplifier unit of the acoustically coupled type positioned within said work compartment and supported on said insulating means out of direct contact with said shell, a plurality of lead wires extending through said partition and said base compartment and electrically insulated from each other and connected to said connector pins to provide electrical connections to said amplifier unit, and a body of gas filling said working chamber and surrounding said amplifier unit to provide the acoustical coupling for said amplifier unit, said gas having a high thermal conductivity as compared with air whereby the heat produced by the operation of said amplifier unit is transmitted efficiently to the surrounding metal walls of said shell with the result that the heat is dissipated rapidly and at a steady rate.

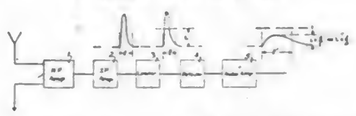
2,454,813
PICTURE HANGER
Charles O. Larson, Sterling, Ill.
Application November 27, 1944, Serial No. 565,331
7 Claims. (Cl. 248—32)



1. A picture hanger comprising a fastener of relatively flat sheet metal of a single and uni-

form thickness throughout, said fastener being formed adjacent one end with means for suspending the cord of a picture to be hung, a part of the fastener spaced from said means being bumped or formed outwardly transversely of its length in angular formation, the fastener on either side of the bumped out portion presenting flat surfaces in a common plane, one of the inner walls of the substantially V-shaped bumped out portion providing a nail shank guiding surface, the other angularly disposed wall of the V-shaped bumped out portion being slitted to provide a free tongue and a nail receiving slot or hole, one end of the slot lying substantially in the plane of the nail guiding surface, and the edge of the free tongue being bent downwardly into substantially the same plane as the common plane of the flat portions with its edge lying opposite the aforesaid wall guiding surface, and spaced therefrom a distance slightly less than the shank of the nail received through the nail opening whereby the shank of said nail is supported first by one end of the nail slot and by the nail guiding surface and by the oppositely located edge of the free tongue, said nail contacting portions of the fastener serving as guides for guiding the nail at the proper angle into the wall.

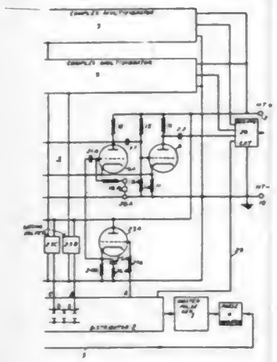
2,454,814
INTERFERENCE REDUCING RADIO RECEIVER
Gerard J. Lehmann, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 13, 1943, Serial No. 482,909
In France August 30, 1941
5 Claims. (Cl. 250—20)



1. In a radio receiver, the combination of a high frequency amplifier having a wide frequency band width, with respect to the maximum signal frequency band transmitted, a further amplifier stage having a frequency band width equal to the maximum signal-frequency to be transmitted, and coupling means comprising an amplitude limiting device and passing the frequency band width of said high frequency amplifier, interconnecting said amplifiers, the said amplifier having a band width equal to the maximum signal-frequency being constituted by a stage of audio-frequency amplification.

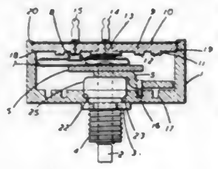
2,454,815
MULTICHANNEL PULSE COMMUNICATION SYSTEM EMPLOYING COMPLEX MULTIVIBRATOR MODULATORS
Maurice Moise Levy, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application November 10, 1945, Serial No. 627,947
In Great Britain October 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 3, 1964
17 Claims. (Cl. 179—15)

12. A transmitter for a multichannel electric pulse communication system comprising one or more complex multivibrators comprising a group of two or more amplifying valves having corresponding electrodes connected in parallel, means for rendering all the said valves non-conducting, a further amplifying valve, circuit means coupling said valves to said further amplifying valve for multivibrator operation, and means for conditioning a selected one of the said valves to operate in conjunction with said further amplifying valve to generate an electric pulse while maintaining all the other valves of the said group in a non-conducting condition; a master pulse generator adapted to supply regularly repeated master pulses to a pulse distributor, means for deriving a plurality of separately timed sensitizing pulses from the distributor in response to



each master pulse, means for applying the sensitizing pulses in rotation to the group valves of the said complex multivibrators, means for applying respective channel modulating signals to each of the said group valves, means for deriving time-phase modulated channel pulses from the separate amplifying valves of each complex multivibrator, means for mixing the said channel pulses with synchronizing pulses derived from the said distributor, and means for transmitting the mixed pulses over a communication medium.

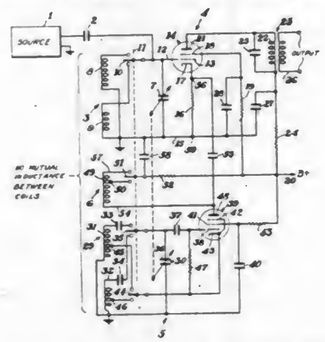
2,454,816
POTENTIOMETER
Maurice Moise Levy, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 22, 1946, Serial No. 704,972
In Great Britain February 14, 1946
1 Claim. (Cl. 201—55)



An electrical potentiometer of box-like form comprising a spindle mounted axially in the box, a roughly spiral resistance element on the interior surface of one end plate, a roughly spiral guide on the interior surface of the other end plate and furnished with positive end stops, the spindle carrying a rotatable assembly comprising a first radial arm carrying a first cursor cooperating with the spiral resistance strip, a second radial arm carrying a second cursor co-operating with the spiral guide, and a wiper electrically connected to the first cursor and wiping over a fixed contact disc plate mounted on the

end plate carrying the spiral resistance whereby there is continuous electrical connection between the resistance strip and the fixed contact plate through the first cursor.

2,454,817
MIXER CIRCUIT ARRANGEMENT
Lester L. Libby, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 27, 1944, Serial No. 569,964
4 Claims. (Cl. 250—20)



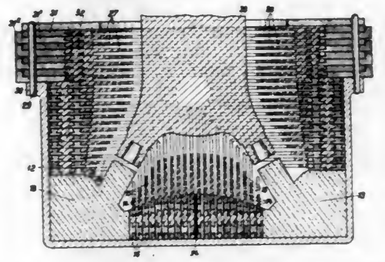
1. A source of alternating current energy, an oscillator including a tank circuit, a mixer adapted to mix energy from said source and said oscillator, said mixer having an input circuit coupled to said source, said input circuit and said tank circuit each being adapted to be tuned over a band of frequencies with the tank circuit tracking said input circuit, and a tuned circuit coupling the oscillator and mixer, said tuned circuit being fixedly tuned to a frequency at the lower end of the tank circuit band of frequencies.

2,454,818
GUN RECOIL SPRING SURGE DAMPENER
Victor F. Lucht, Washington, D. C.
Application March 7, 1946, Serial No. 652,754
8 Claims. (Cl. 89—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a recoiling gun, a cylindrical cradle fixed against recoil and counterrecoil and provided with interior bearing elements, a gun tube mounted concentrically within said cradle and slidably carried by said bearing elements for recoil and counterrecoil, a breech ring on said gun tube, a support fixedly mounted on said cradle and extending breechwardly alongside said breech ring, first cooperable guide elements carried respectively by said breech ring and said support and relatively slidable in the directions of recoil and counterrecoil but interlockable against twisting action of said gun tube on its axis with respect to said cradle, the breechward extent of the interlocking effectiveness of said guide elements being less than the length of the recoil stroke of said gun tube, and second cooperable guide elements carried respectively by said gun tube and said cradle muzzlewardly of said first guide elements and relatively slidable in the directions of recoil and counterrecoil but interlockable against twisting action of said gun tube about its axis with respect to said cradle, said second guide elements being arranged to take effect prior to the end of the effectveness of said first guide elements and to continue effective during completion of the recoil stroke.

2,454,819
MOLD
Ernest Mayer, Leipzig, Germany; vested in the Attorney General of the United States
Original application April 8, 1941, Serial No. 387,531. Divided and this application January 12, 1945, Serial No. 572,575. In Germany November 25, 1939
6 Claims. (Cl. 22—126)



1. A mold comprising a core, a group of superposed sand core plates disposed in face to face contact and positioned edgewise in spaced relation to said core, a metal holder plate secured remote from said core to another edge of each sand core plate, and conduit means formed between the metal plates for permitting passage of gas and air from said core plates.

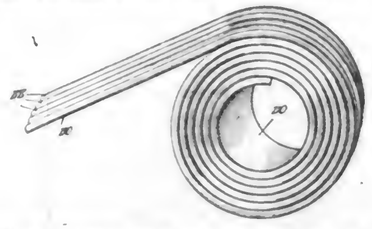
2,454,820
MAKING HEXACHLOROBUTADIENE
Earl T. McBee, West Lafayette, Ind., and Lawrence W. Devaney, Beacon, N. Y., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application December 4, 1944, Serial No. 566,650
5 Claims. (Cl. 260—655)

1. The method which includes: continuously passing a mixture of a chlorinated butane averaging between about four and about eight chlorine atoms per molecule and chlorine in excess of that theoretically required to convert said chlorobutane to perchlorobutane into a reaction zone maintained at a temperature between about 425° and about 550° centigrade; and, separating hexachlorobutadiene from the reaction product.

2,454,821
GLAZING AND CAULKING MATERIAL
Philip L. McKee, Pana, Ill., assignor to National Greenhouse Co., Pana, Ill., a corporation of Illinois
Application February 2, 1944, Serial No. 520,771
14 Claims. (Cl. 20—56.4)

12. An article of manufacture comprising a spirally wound roll of plastic weatherstripping formed of a plurality of parallel uniformly tacky strands of inelastic putty-like insulating material and a carrier having surfaces common to adjacent strands and adhesively securing the strands in lateral juxtaposition, and said roll being releasably held in spiral form by adhesion of each

individual strand of an inner winding with an outer winding of the roll, whereby an end strand



may be entirely detached without unwinding the companion strands.

2,454,822

LUBRICANTS FOR TEXTILE MATERIALS

Abraham Moscowitz, New York, N. Y., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application November 21, 1946, Serial No. 711,475

6 Claims. (Cl. 252—8.7)

1. A textile treating agent which comprises a hydrocarbon textile lubricating oil and substantially dissolved therein at least 28% alkali metal petroleum mahogany sulfonate obtained by reacting a petroleum mahogany sulfonate solution in an organic substantially water immiscible solvent for said sulfonate, with an oxidation agent selected from the group consisting of oxidation agents having an oxidation potential in such solution by reason of "available" O_2 and those having an oxidation potential in such solution by reason of "available" Cl_2 in amount and for a period of time sufficient to yield for its said at least 28% sulfonate solution a Saybolt viscosity at 100° F. of not in excess of 600 seconds.

2,454,823

VISCOSITY REDUCTION OF PETROLEUM MAHOGANY SULFONATE HYDROCARBON SOLUTIONS

Abraham Moscowitz, New York, N. Y., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application November 21, 1946, Serial No. 711,476

8 Claims. (Cl. 260—504)

1. Process for reducing the viscosity of petroleum mahogany sulfonate solutions, which comprises treating a petroleum mahogany sulfonate solution in an organic substantially water-immiscible solvent for said sufonate with an alkali metal chlorite and an alkali metal hypochlorite in a proportion of 0.5 to 4 parts by weight of hypochlorite for every 1 part by weight of chlorite and in amount and for a period of time sufficient to appreciably reduce the normally relatively high viscosity of said solution due to the sulfonate dissolved therein.

2,454,824

VISCOSITY REDUCTION OF PETROLEUM MAHOGANY SULFONATE HYDROCARBON SOLUTIONS

Abraham Moscowitz, New York, N. Y., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application November 23, 1946, Serial No. 711,834

10 Claims. (Cl. 260—504)

1. Process for reducing the viscosity of petroleum mahogany sulfonate solutions which comprises treating the petroleum mahogany sulfonate solution in an organic substantially water immiscible solvent for said sulfonate at an acid pH with elemental chlorine in amount and for a period of time sufficient to appreciably reduce the normally relatively high viscosity of said solution due to the sulfonate dissolved therein.

2,454,825

VISCOSITY REDUCTION OF PETROLEUM MAHOGANY SULFONATE HYDROCARBON SOLUTIONS

Jacob Faust, Belleville, N. J., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application November 23, 1946, Serial No. 711,837

10 Claims. (Cl. 252—33.4)

1. A viscosity reduced petroleum mahogany sulfonate solution which essentially consists of a petroleum mahogany sodium sulfonate solution in an organic substantially water immiscible solvent for said sulfonate having normally a relatively high viscosity due to said sulfonate dissolved therein of in excess of 600 seconds Saybolt at 100° F. for a sulfonate content of at least 28%, and, substantially dissolved in said solution at least one phthalic acid derivative selected from the group consisting of substantially oil soluble phthalic acid esters of alkylene glycols, phthalic acid esters of alkylene glycol ethers and alkyl phthalates in amount sufficient to appreciably reduce said normally high viscosity to below 600 seconds Saybolt at 100° F.

2,454,826

VISCOSITY REDUCTION OF PETROLEUM MAHOGANY SULFONATE HYDROCARBON SOLUTIONS

Leo Liberthson, New York, N. Y., and Jacob Faust, Belleville, N. J., assignors to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application November 23, 1946, Serial No. 711,838

7 Claims. (Cl. 252—33.4)

1. Process for reducing the viscosity of petroleum mahogany sodium sulfonate solutions which comprises reacting a petroleum mahogany sodium sulfonate solution in an organic substantially water immiscible solvent for said sulfonate, said solution containing at least about 28% of said sulfonate and having a viscosity of in excess of 600 seconds Saybolt at 100° F. by reason of said sulfonate, with an oxidation agent having an oxidation potential in said solution by reason of "available" O_2, and selected from the group consisting of chromic acid, dichromates, permanganates, perchlorates and peroxides, in amount and for a period of time sufficient to reduce the said viscosity of such hydrocarbon solution to a point sufficiently low to yield for a sulfonate content of said solution of 28 to 40%, a viscosity below 600 seconds Saybolt at 100° F.

2,454,827

VISCOSITY REDUCTION OF PETROLEUM MAHOGANY SULFONATE HYDROCARBON SOLUTIONS

Abraham Moscowitz, New York, N. Y., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application February 21, 1947, Serial No. 730,200

9 Claims. (Cl. 260—504)

1. Process for reducing the viscosity of petroleum mahogany sulfonate solutions which comprises treating a petroleum mahogany sulfonate solution in an organic substantially water immiscible solvent for said sulfonate at a neutral to alkaline pH substantially of from 7 to 9 with chlorine dioxide in amount and for a period of time sufficient to appreciably reduce the normally relatively high viscosity of said solution due to the sulfonate dissolved therein to a point sufficiently low to yield for a 28–40% solution of said sulfonate in a petroleum hydrocarbon a viscosity below 600 seconds Saybolt at 100° F. said solvent being substantially inert to the action of chlorine dioxide.

2,454,828

VISCOSITY REDUCTION OF PETROLEUM MAHOGANY SULFONATE HYDROCARBON SOLUTIONS

Jacob Faust, Belleville, N. J., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application July 1, 1947, Serial No. 758,463

7 Claims. (Cl. 252—33.4)

1. A viscosity reduced petroleum mahogany sulfonate solution which essentially consists of a petroleum mahogany sodium sulfonate solution in an organic substantially water immiscible solvent for said sulfonate having normally a relatively high viscosity due to said sulfonate dissolved therein of in excess of 600 seconds Saybolt at 100° F. for a sulfonate content of at least 28%, and, substantially dissolved in said solution 0.5 to 5% of at least one member selected from the group consisting of substantially oil soluble diethylene glycol and diethylene glycol alkyl ethers.

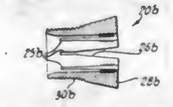
2,454,829

ELECTRICAL CONNECTOR

Kenneth Neijstrom, Harrisburg, Pa., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J., a corporation of New Jersey

Application January 7, 1944, Serial No. 517,313

1 Claim. (Cl. 287—75)



An electrical connector collet including an integrally formed annulus and exteriorly flared end portion: said end portion being divided into prongs by longitudinally extending slots which flare in a direction away from said annulus, each arm being integrally carried by said annulus, the radial thickness of each arm being progressively less as measured inwardly from its free end, there being a substantially cylindrical bore extending axially longitudinally straight through said annulus and end portion, the grain of the metal in said prongs running longitudinally of said end portion and following the outward flare of said prongs, and the exterior surfaces of said end portion being of the compacted metal which is found on the surface of cold rolled stock, bar stock, and the like.

2,454,830

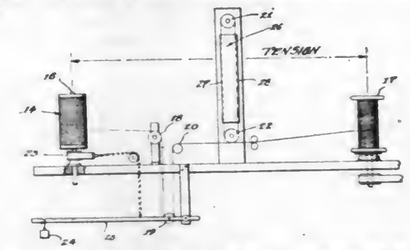
TENSIONED ROVING AND METHOD OF FORMING SAME

Russell B. Newton, Danville, Va., assignor to Dan River Mills, Incorporated, a corporation of Virginia

Application October 14, 1944, Serial No. 558,635

3 Claims. (Cl. 28—75)

1. The method of bonding fibers to form a filament like linear element of high density and tensile strength, which comprises impregnating roving with material to act as a bonding agent, stretching said roving to substantially its breaking point, setting said material while said roving



is so stretched to form a final product without spinning, and coating the final product with a material such as latex and the like to form a smooth surface.

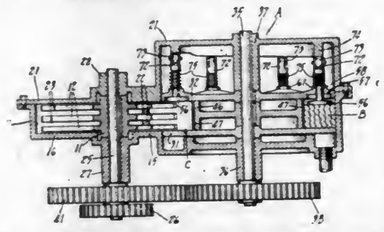
2,454,831

CONVEYER TO FISH CANNING MACHINE

Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application May 29, 1946, Serial No. 673,113

8 Claims. (Cl. 198—210)



7. In a fish canning machine, the combination of a supply tunnel for fish storage, a pair of spaced rotatable discs disposed adjacent said tunnel and constituting a pair of oppositely disposed movable walls of said tunnel for advancing cut pieces of fish through the tunnel, a plurality of yieldable clamping plates carried by one of said discs for clamping the fish pieces in place against the other of said discs during the travel of the fish pieces through the tunnel, and cam means for moving said clamping plates into and out of clamping position.

2,454,832

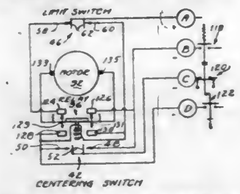
ELECTRIC SERVO

Charles L. Paulus, Dayton, Ohio

Application February 20, 1946, Serial No. 649,107

3 Claims. (Cl. 318—282)

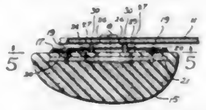
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an electric servo unit having a frame, an output shaft having bearings in said frame and

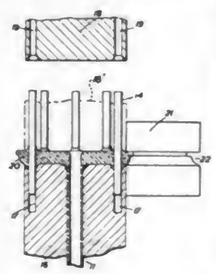
adapted to rock in said bearings, an electric motor, said motor having first and second terminals carried by said frame, and a speed reducing gear train connecting said motor to said output shaft, the improved control mechanism which comprises a first power terminal of one polarity, a second, a third and a fourth power terminal of the other polarity, a relay coil, relay first and second contact members, relay third and fourth contact members, relay fifth and sixth contact members, yieldable means biasing said relay fifth and sixth contact members into engagement with said relay first and second contact members respectively, a relay core operative upon energization of said coil to move said relay fifth and sixth contact members into engagement with said relay third and fourth contact members, respectively, centering switch first and second contact members, a centering switch third contact member normally out of electrical contact with the centering switch first and second contact members, a centering switch cam operative when rotated one direction to engage said centering switch third contact member with said centering switch second contact member and operative when rotated in the other direction to engage said centering switch third contact member with said centering switch first contact member, limit switch first and second contact members, a limit switch third contact member normally in electrical contact with the limit switch first and second contact members, a limit switch cam operative when rotated in one direction to disengage the limit switch third contact member from the limit switch first contact member, and operative when rotated in the other direction to disengage the limit switch third contact member from the limit switch second contact member, and electrical conductors connecting said first power terminal to the limit switch third contact member; connecting said second power terminal to the centering switch first contact member and the relay second contact member; connecting said third power terminal to the centering switch third contact member; connecting the said fourth power terminal to the said centering switch second contact member, to one end of said relay coil and to said relay third contact member; connecting the other end of said relay coil to the said relay fourth contact member and to the limit switch second contact member; connecting the said relay first contact member to the said limit switch first contact member; and connecting the said relay fifth and sixth contact members to the motor first and second terminals, respectively.

2,454,833
TRUSS
Wilbert C. Pfahl, Silver Lake, Ohio
Application July 13, 1946, Serial No. 683,521
3 Claims. (Cl. 128—106)



1. An attachment for truss pads or the like to be mounted on a truss frame or similar supporting part, comprising a backing plate having a circular opening therein, means for releasably securing said plate to a truss pad, outer and inner disc-like elements of greater size than said plate opening for spanning between the edge portions thereof at opposite sides of the plate, adjustable means operable from the inner side of said plate for clamping said elements together against said opposite sides of the plate in various rotatably adjusted positions relatively of the plate about the center of said opening thereof, and means on said outer element independently of said adjustable means for securing the attachment to said supporting part.

2,454,834
MANUFACTURE OF BASE ASSEMBLIES FOR ELECTRIC DISCHARGE TUBES
Stephen John Powers, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 12, 1944, Serial No. 517,945
In Great Britain April 21, 1943
5 Claims. (Cl. 49—78)



1. The method of making a base assembly for an electric discharge tube which comprises locating conductor wires in peripheral slots of a disc of fusible material, softening the disc by heat, squeezing the disc to press the disc into contact with the wires, and applying a rolling action around the edge of the disc in such a manner as to close the slots around the wires so that the wires are hermetically sealed in the disc.

2,454,835
N-PROPYL DIAMINODIPHENYLSULFONE AND PROCESS FOR OBTAINING SAME
Albert L. Rawlins, Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 29, 1943, Serial No. 481,007
3 Claims. (Cl. 260—397.6)

1. A compound of the formula.



2,454,836
FOOT PAD
Philip D. Rayner, New York, N. Y.
Application November 1, 1945, Serial No. 626,080
1 Claim. (Cl. 128—80)

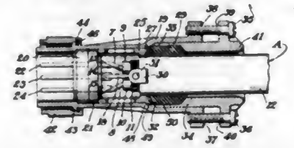


An appliance to underlie the foot for preventing undesired relaxation in the arch, said appliance comprising a fabric casing having an upper wall lying against the foot and a lower wall adapted to lie against the sole of the shoe, a form sustaining partition lying parallel to and between said walls and co-extensive therewith to hold said casing against contraction, wrinkling, and folding, a resilient strap secured at its ends to the sides of the casing for detachably securing said casing against the bottom of the foot, said bottom wall being continuous throughout its length and width and free of projections or protuberances, said upper and lower walls being joined at one end to close said casing and terminating at the other end to form an opening into said casing for the insertion of a compressible resilient cushion between said form sustaining partition and a wall of said casing, and the pull of said strap retaining said cushion against movement relatively to said casing when said casing is applied to the foot.

2,454,837
PROCESS OF SOLUBILIZING PROTOGENOUS SUBSTANCES
James A. Reyniers, Niles, Mich., assignor to Amino Acids, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 17, 1946 Serial No. 670,531
2 Claims. (Cl. 99—18)

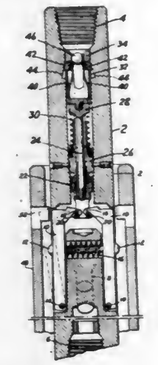
1. The hereindescribed process of producing a highly assimilable and nutritious food substance, which comprises: subjecting macerated liver, while suspended in water, to carbon dioxide under approximately 600 pounds per sq. in. pressure at a temperature of approximately 50° C. for twenty or more hours.

2,454,838
PLUG ASSEMBLY
Avery G. Richardson, Boonton, N. J., and Murray Kaplan, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application April 24, 1943, Serial No. 484,366
3 Claims. (Cl. 173—361)



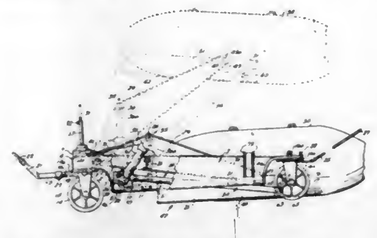
1. In a plug assembly for the extremity of an electric cable having one or more conductors, the combination of a tubular body to receive the end of said cable, a disc-shaped insert of insulating material disposed in said tubular body, a plurality of prongs positioned on one face of said disc-shaped insert, each of said prongs having a terminal on the opposite face of said insert, means forming electrical connections within said body between said terminals, respectively, and the conductors of said cable, an insert retainer sleeve within said body, adjacent said disc-shaped insert, a ring-shaped resilient member within said body, adjacent said retainer sleeve, and around said cable, a compression sleeve partially within said body, adjacent said resilient member, and around said cable, and tightening means on the exterior of said body and said compression sleeve, whereby operation of said tightening means will tend to compress said resilient member between said compression sleeve and said retainer sleeve.

2,454,839
RETRIEVING APPARATUS
Roland Ring, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application March 5, 1945, Serial No. 581,050
2 Claims. (Cl. 294—97)



1. Means for retrieving a whipstock from a bore hole comprising a body arranged to be included in a drill string above the bit, means carried by said body and expandible outwardly to engage a whipstock or the like, and means operable by liquid pressure to release said expandible means, said means comprising a member providing a piston normally providing free passage of liquid but arranged to be closed by an element lowered through the drill string to restrict flow and provide a closed piston movable under liquid pressure, movement of said member releasing said element so that the passage of liquid is thereafter unimpeded and so that the member may then move to its original position capable of a subsequent operation upon lowering of another element.

2,454,840
FIGHTER AIRPLANE BOMB LIFT
Warren W. Ryan, Dayton, Ohio
Application October 2, 1946, Serial No. 700,631
8 Claims. (Cl. 214—130)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A bomb transporting and elevating truck comprising a vehicle support having a pair of horizontally spaced longitudinal side frames and connecting transverse cross frame means adjacent one end of the side frames to form an unobstructed U-shaped vertical opening between the side frames facing rearwardly, a load lifting lever frame comprising laterally spaced interconnected lifting levers pivotally connected at one

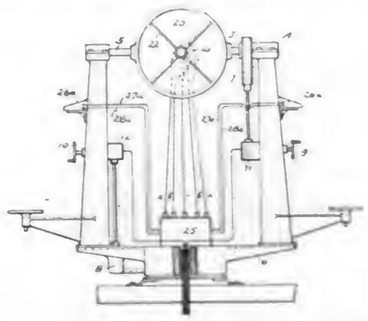
end to the cross frame means to swing vertically through the U-shaped opening adjacent the side frames, a bomb receiving carrying and lifting platform disposed between the spaced lifting levers of the lever frame having a vertical unobstructed U-shaped opening therethrough facing in the same direction as the other U-shaped opening and pivotally connected to the outer ends of the lifting levers on aligned pivots, a stabilizing link member pivotally connected at one end to the cross frame means of the vehicle support below, rearwardly, and substantially midway between the pivotal connections of the lifting levers with the vehicle cross frame means and said stabilizing link member having laterally spaced side bars extending rearwardly through the U-shaped opening of the vehicle support below the lifting levers substantially in the plane of movement of the lifting levers and connected to the U-shaped bomb receiving carrying and lifting platform below and rearwardly of the pivotal connection between the bomb lifting platform and the lifting levers, whereby upward swinging movement of the lifting lever frame elevates the bomb lifting platform from a bomb receiving position in the U-shaped opening of the vehicle support to an elevated bomb loading position above the vehicle support with the stabilizing link member stabilizing the bomb lifting platform during vertical swinging movements of the lever frame, and elevating means operable between the transverse cross frame means of the vehicle support and the lifting lever frame, connected to the lifting lever frame intermediate the opposite ends of the lifting levers for swinging the lifting levers and the bomb lifting platform upwardly out of the U-shaped opening and lowering the same from an elevated position through the U-shaped opening.

2,454,841

APPARATUS FOR DETECTING THE PRESENCE AND POSITION OF AN INVISIBLE BODY BY INFRARED RADIATION

William Sackville, United States Army, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War

Application July 16, 1938, Serial No. 219,593
3 Claims. (Cl. 250—83.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



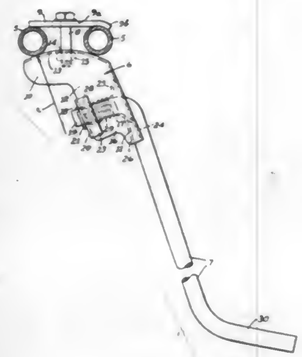
1. An apparatus of the character described, comprising a base, means supporting the base for rotation about a vertical axis, reflector supports carried by the base, a reflector swiveled between the supports for movement about an axis normal to that of said base, manual control means mounted on said supports for actuating said reflector and base about their respective axes to effect adjustment of the reflector in azimuth and elevation, detector means disposed within the focal region of the reflector, said means including a container, and a plurality of oppositely paired spaced segments of material sensitive to radiant energy annularly arranged within the container, indicating means mounted upon each of said supports, and an electro-responsive mechanism positioned upon the base and controlling said indicating means, said electro-responsive mechanism including means in electrical relation with the segments for balancing out the effect of background radiation when said segments receive an equal amount of energy stimulus and for indicating through said indicating means, changes in background radiation when the said segments receive an unequal amount of energy stimulus.

2,454,842

BICYCLE KICK STAND

Earl L. Schofield and Walter R. Lustig, Rockford, Ill., assignors to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood

Application September 3, 1946, Serial No. 694,556
7 Claims. (Cl. 280—301)



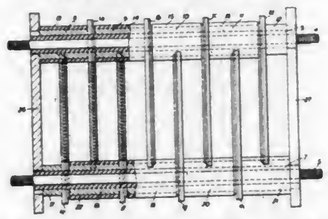
1. In a device of the character described, a one-piece sheet metal bracket bent to provide a substantially horizontal attaching portion, designed to engage the underside of a bicycle frame, and a downwardly and outwardly inclined perforated swivel bearing portion to receive a prop member, the two portions being rigidly interconnected and reinforced by opposed side flanges bent downwardly and inwardly from said attaching and bearing portions, a combination bearing and reinforcing plate of elongated form perforated intermediate the ends to receive the prop member and bent outwardly at opposite ends to provide end flanges, said plate being fastened to said bracket in transverse relation to the back of the bearing portion thereof abutting the edges of the flanges thereon, and with its end flanges abutting the outer faces of said flanges, an elongated prop member having a transverse upper end portion for pivotal support thereof designed to turn in the aforesaid perforations in said plate and in the swivel bearing portion of said bracket, and means for securing the attaching portion of said bracket to said bicycle frame.

2,454,843

METAL RECTIFIER

Arthur Mackenzie Searle, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application January 14, 1944, Serial No. 518,239
In Great Britain February 4, 1943
3 Claims. (Cl. 175—366)



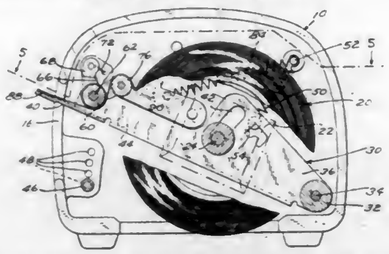
1. An assembly of dry contact rectifier discs comprising a series of discs each provided with a pair of longitudinally aligned marginal slots, a first longitudinal assembly member engaging one of the slots of certain of said discs, clamping means on said assembly member conductively interconnecting the discs thus engaged and holding the same in rigidly spaced relationship, a second longitudinal assembly member engaging one of the slots of the remaining discs, clamping means on said second member conductively interconnecting said remaining discs and holding the same in rigidly spaced relationship, means maintaining said two assembly members in spaced parallel relationship, and means for preventing the angular displacement of said discs, said last means including insulating means carried by each of said assembly members and engaging the other slot of each of the discs carried by the opposite member.

2,454,844

DISPENSER FOR MEASURED LENGTHS OF PRESSURE SENSITIVE TAPE

Everett E. Sharpe, Shelton, N. Y., assignor to Better Packages Incorporated, a corporation of New York

Application September 7, 1946, Serial No. 695,422
6 Claims. (Cl. 271—2.4)



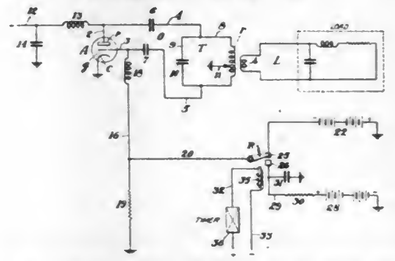
2. A tacky tape dispenser comprising a support for a supply roll of tape, an adhesion roller, a movable support for the adhesion roller permitting movement of the adhesion roller in a direction to draw tape from the supply roll and in a reverse direction, means for preventing rotation of the adhesion roller by the tension of the tape being drawn from the supply roll when the adhesion roller is moved in a direction to draw tape, and means for preventing rotation of the adhesion roller in the opposite direction after the length of tape previously drawn from the supply roll has been dispensed.

2,454,845

HIGH-FREQUENCY OSCILLATOR CIRCUIT FOR INDUCTION HEATING APPARATUS

Vernon W. Sherman, Summit, and Carson McKeag Wheeler, Montclair, N. J., assignors to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware

Application May 4, 1943, Serial No. 485,582
6 Claims. (Cl. 250—36)



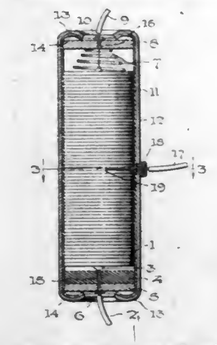
1. In combination: an oscillator tube having anode, cathode and control grid electrodes; a feedback oscillation circuit connected to said electrodes; a source of voltage normally connected to said grid, the potential of said source having a value which prevents oscillation being developed in said oscillation circuit; a supplemental source of voltage comprising a capacitor, a resistance, and a capacitor charging means connected in series relation, the potential of said supplemental source having a value sufficient to initiate oscillations in said circuit; and means for connecting said supplemental voltage source to said grid for a predetermined period of time.

2,454,846

RECTIFIER STACK

Murray Fontaine Skinker, Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application March 22, 1945, Serial No. 584,138
1 Claim. (Cl. 175—366)



A rectifier comprising a stack of rectifier elements, said stack being divided so that the elements in one portion are conductive in the opposite direction to the elements in the other portion, a metal tube enclosing said stack having a lateral opening therethrough substantially at the division between the two groups of rectifier elements, a metal disk at one end of said stack, an insulating disk intermediate said metal disk and one end of said stack, both of said disks having connecting openings through them, a

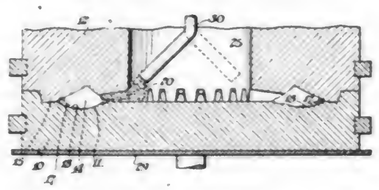
first lead wire extending through said last openings and connected to the one end of said stack, a second metal disk adjacent the other end of said tube and having an opening therethrough, spring means intermediate said second metal disk and the other end of said stack, a second lead wire extending through said last opening and connected to the other end of said stack said first lead being attached to said first metal disc, and said second lead being attached to said second metal disc, the ends of said metal tube being crimped about the edges of the two metal disks to form a rectifier stack under spring pressure within said metal tube, insulating means intermediate said metal tube on the one hand and said metal disks and said stack on the other hand, and a third lead extending through the opening in said metal tube and connected to adjacent oppositely connected elements in said stack.

2,454,847

MOLD, MOLD CHARGING, AND MOLDING PROCESS

Fred A. Slack, Jr., Penn Valley, Pa., assignor to H. D. Justi & Son, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application April 29, 1944, Serial No. 533,298
25 Claims. (Cl. 18—34.1)



1. The method of molding utilizing a mold having a mold cavity, a passage communicating therewith and a reservoir bore which comprises feeding powdered plastic molding material into the reservoir bore, subjecting the powdered plastic material in the reservoir bore to force to transfer it from the reservoir bore through the passage and into the mold cavity, continuing the force while continuing the feeding to the reservoir bore until a compact column of powdered plastic molding material is disposed in the mold cavity and passage, feeding additional plastic material to the reservoir bore to form a termination for said column in the reservoir bore, plasticizing the column of molding material, then subjecting the plasticized material in the mold cavity to molding pressures by compression of the material in the reservoir bore by force separate and independent of the force for transferring the unplasticized material into the mold cavity.

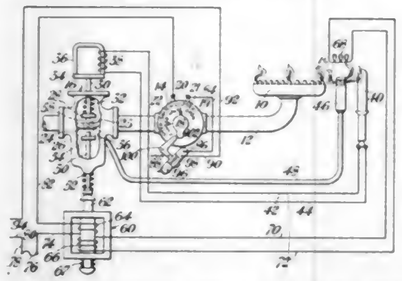
20. In molds, separable means having a common axis defining a mold having a central molding-material reservoir substantially concentric with the axis, a plurality of generally radial mold cavities, a plurality of sprue channels connecting the respective mold cavities and the reservoir, means for rotating the mold about its said common axis to subject material in the reservoir to force urging it into the sprue channels and mold cavities, said reservoir arranged to receive molding material during such rotation, and piston means separate from and operated after the mold rotation has been effective to fill the mold cavities for subjecting the material remaining in the reservoir and that disposed in the sprue channels and mold cavities to molding pressure.

2,454,848

SAFETY CONTROL SYSTEM FOR FUEL BURNERS

Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware

Application March 2, 1945, Serial No. 580,672
15 Claims. (Cl. 158—117.1)



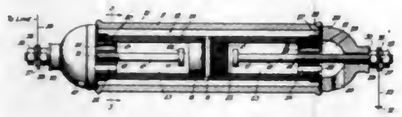
1. A safety control system for fuel burners having main and pilot burners, comprising in combination, electromagnetic control means biased to a position for preventing flow of fuel to at least the main burner, electromagnetic reset means operable when energized for overcoming said bias and resetting said control means in a fuel flow permitting position, means for establishing an energizing circuit means for said reset means, means responsive to the presence of a flame at the pilot burner for energizing said control means sufficiently to hold the same in said fuel flow permitting position thereof after the same has been reset by said reset means, and switching means having a timing element connected in said circuit means for rendering the same inoperative upon expiration of a predetermined period following establishment thereof and during which said control means has had time to become energized.

2,454,849

ELECTRIC CIRCUIT INTERRUPTER

Charles L. Stroup, Oak Park, Ill.

Application February 24, 1944, Serial No. 523,620
7 Claims. (Cl. 175—30)



1. In a device of the class described, in combination, a tubular housing of insulating material, a plug of insulating material fitting closely within said tubular housing and forming a peripheral pressure-confining arc path between the juxtaposed peripheral surfaces of said housing and said plug, at least one of said juxtaposed surfaces being capable of evolving an arc extinguishing medium when subjected to the heat of an arc, said tubular housing providing a relatively large space into which the arc extinguishing medium and the arc can expand from between said surfaces and having a discharge opening at the end away from said plug, and electrodes at opposite ends of said plug between which an arc may be struck along said peripheral pressure-confining arc path, at least one of said electrodes extending in an axial direction from the end of said plug and through

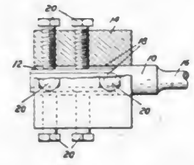
said spaces, said extending electrode being bared and its outer surface openly exposed throughout a substantial portion of its length to the adjacent peripheral end of said pressure-confining arc path whereby a fixed and axially extending conducting path is provided along which one end of an arc striking along said pressure-confining arc path anywhere about the periphery thereof is adapted, while remaining in contact with the outer surfaces of said electrode, to be forced axially of the extending electrode between its outer surface and the inner surface of said housing by the expansion of said arc extinguishing medium in said space due to the heat of the arc, said extending electrode being bared and its outer surface openly exposed to the peripheral end of said pressure-confining arc path for a length to permit extension of the arc and accompanying increase in the resistance of the arc path sufficient to render any arc to which the interrupter is likely to be subjected non-self-sustaining.

2,454,850

TORSION SPECIMEN AND HOLDER FOR SAME

Delbert M. Van Winkle, Newton, and Donald C. Buffum, Cambridge, Mass.

Application November 28, 1944, Serial No. 565,562
6 Claims. (Cl. 73—99)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A torsional test specimen comprising right circular cylindrical end sections separated by an intermediate right circular cylindrical test section of lesser diameter than said end sections and coaxial with said end sections, the transition between each end section and said test section being smooth and gradual, each said end section having a plurality of uniformly spaced flats formed thereon parallel with the axis of said sections, each said flat being separated from adjacent flats by the cylindrical surfaces of the respective end sections.

2,454,851

INSULATING MATERIAL CONTAINING POLYSTYRENE AND PLASTICIZER AND METHOD OF MAKING

Arthur J. Warner, South Orange, N. J., and Myron Bakst, Alexandria, Va., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 2, 1945, Serial No. 597,381
10 Claims. (Cl. 260—29.1)

5. A composition of matter comprising high molecular weight polymerized styrene, low molecular weight polymerized styrene, and a plasticizer; the molecular weight of the high molecular weight polymerized styrene being in the range of about 60,000 to 150,000; the molecular weight of the low molecular weight polymerized styrene being in the range of about 6,000 to 30,000; and the ingredients being present in proportions falling within the following approximate ranges, by weight per cent of the total composition:

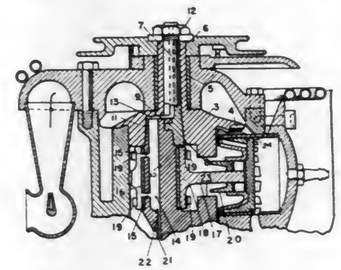
High molecular weight polymerized styrene	50 to 70
Low molecular weight polymerized styrene	18 to 30
Plasticizer	10 to 20

2,454,852

FAN BLADES IN OPENING OF ROTARY VALVE IN TWO-CYCLE SUPERCHARGED ENGINE

Douglas K. Warner, Sarasota, Fla.

Application May 20, 1946, Serial No. 670,986
8 Claims. (Cl. 123—73)



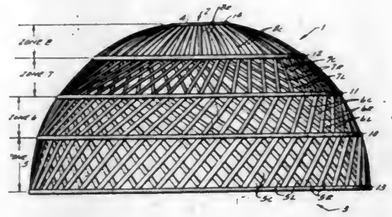
8. In a 2 cycle internal combustion engine having piston closed inlet ports, a disc acting as a valve closure and an opening therein containing fan blades, tips of said blades discharging directly into said inlet ports, inlet edges of said blades of greater length than outlet tip edges and located nearer the axis of said disc and said inlet edges curved forwardly in the direction of motion of said disc, whereby gas picked up by said fan blades may be accelerated smoothly and delivered in small amount but at very high pressure relative to a given piston speed due to said tips extending out from the center of said engine as far as said inlet ports.

2,454,853

RIBBON PARACHUTE

Friedrich S. Weinig, Stuttgart-Moehringen, Germany

Application December 10, 1947, Serial No. 790,752
13 Claims. (Cl. 244—145)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



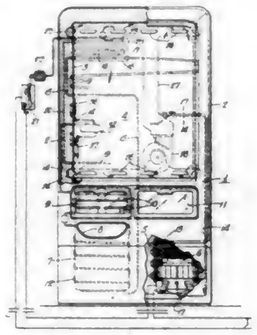
1. In a ribbon parachute canopy of substantially hemispherical shape, a plurality of adjoining circumferential sections, each composed of closely spaced strips of flexible ribbon-like material extending obliquely across each other in

opposite directions from opposite edges of the sections to form a reticulated canopy of rhombic shaped air permeation openings distributed substantially uniformly throughout the sections.

2,454,854
DRYING WOUND PACKAGES
Graeme G. Whytlaw, Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 3, 1944, Serial No. 557,062
10 Claims. (Cl. 34—7)

1. A method of drying a wound filamentary package of annular shape comprising the steps of covering the outer and end surfaces of the package with an imperforate moisture-absorbent sheet of non-fibrous material produced from a solution of cellulose and subjecting all surfaces of the wrapped package to a heated drying medium.

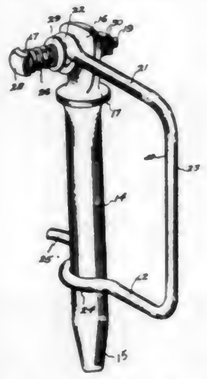
2,454,855
REFRIGERATOR HUMIDITY CONTROL
John J. Bauman, Abington, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application July 10, 1945, Serial No. 604,161
8 Claims. (Cl. 62—6)



1. In means for regulating humidity in an evaporator-cooled high humidity chamber, the combination with dehumidifying means, of an actuator for said means responsive to variation in the temperature differential between the said evaporator and the air within said chamber.

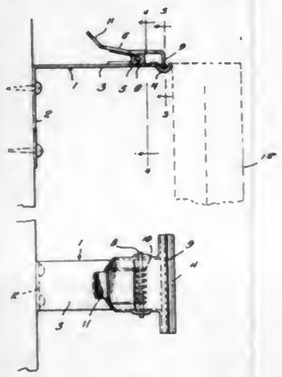
2,454,856
SAFETY COUPLING PIN FOR TRAILER HITCHES
Paul Bible, Hollis, Okla.
Application March 13, 1946, Serial No. 654,087
1 Claim. (Cl. 280—33.15)

In a coupling pin, an elongated stem having a flattened head, a threaded bolt extending transversely through said flattened head and protruding therefrom at substantially right-angles, a keeper pivotally connected at one end to said bolt, a coil spring carried by said bolt and engaging said keeper at its point of contact with said bolt, means carried by said bolt for regulating the tension of said spring and to hold the keeper in a locked position against accidental release, the keeper having an elongated bridge portion extending in spaced longitudinal relation to the stem when the keeper is in a locked position, said keeper having a locking arm at one end extending substantially at right-angles to said bridge portion and normally overlying a portion of said stem, said locking arm having a bowed portion adapted to fit snugly around a portion of said stem to lock the bowed portion of the keeper



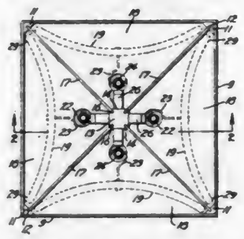
against accidental release from the stem and prevent the swinging of the keeper relative to the stem, said coil spring providing a yieldable means to hold the bowed portion of the keeper snugly positioned around said stem and against accidental release while at the same time facilitating manual release thereof.

2,454,857
CLAMP BRACKET
Edwin E. Bish, East Detroit, Mich.
Application May 29, 1945, Serial No. 596,543
2 Claims. (Cl. 248—101)



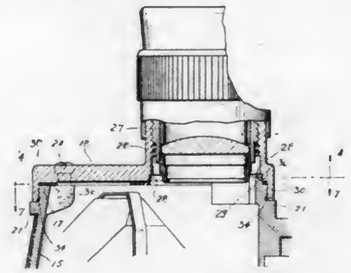
1. In a device for holding a receptacle, the combination with a vertically-disposed arm adapted to be secured to a supporting surface, and a horizontally-disposed arm having an end secured to said first-named arm, of a clamping means operatively secured to said horizontally-disposed arm, said means comprising a trough on the other end of said horizontally-disposed arm for the reception of an edge of said receptacle, a jaw member on said horizontally-disposed arm and mounted for movement into and out of contacting engagement with said trough for releasably holding the edge of said receptacle within said trough.

2,454,858
GARMENT HANGER BIN
John C. Burt, Oakland, Calif.
Application December 29, 1945, Serial No. 638,006
5 Claims. (Cl. 211—49)



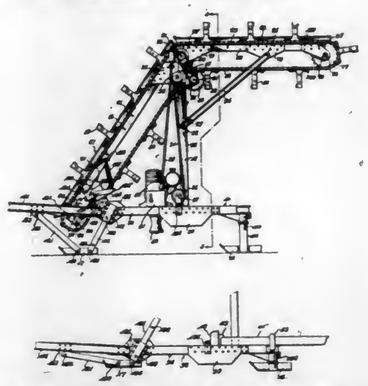
1. A portable bin for storing and displaying garment hangers having opposed ends and a hook member medially of such ends comprising a substantially horizontal rectangular base, interconnected vertical side walls rising from the respective sides of said base, a center post rising vertically from substantially the center of said base, vertical partitions extending between said center post and the junctions of said side walls and combining therewith to divide said bin into a plurality of substantially triangular shaped open top compartments adapted to receive said garment hangers, a vertical guide rod in each compartment adapted to be engaged by the hook element of said hangers, and said guide rod rising from said base being disposed with relation to spaced points on said partitions of a compartment adapted to be engaged by said opposed ends of said garment hanger, said walls and partitions and said guide rod cooperating in each compartment whereby said hangers in a plurality thereof placed in said compartment are retained in a vertically aligned stack and are restrained against substantial relative horizontal movement with respect to each other and said partitions.

2,454,859
WATER- AND WEATHERPROOFING CONSTRUCTION OF CASINGS FOR BINOCULARS
Percival H. Case, New York, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of New York
Application October 25, 1944, Serial No. 560,281
3 Claims. (Cl. 88—34)



1. In a binocular, a casing comprising a body having one open end of irregular outer contour formed with a flat terminal face, a flange extending outwardly from the periphery of said body in spaced relation to said terminal face thereof, an ocular-carrying cover for said body comprising a plate mounted in juxtaposition to the terminal face of the body end and having a rim in end abutting engagement with said flange and in surrounding engagement with the outer surface of the body end, means for providing a seal inwardly of the cover rim comprising a gasket disposed between the terminal face of the body end and the opposed inner face of the juxtaposed cover plate, and means for providing a seal between the cover rim and the body end adjacent the flange inwardly of the abutting portions of said rim and flange.

2,454,860
PORTABLE ELEVATOR FOR LOADING TRUCKS
James R. Clark, Mobile, Ala.
Application January 29, 1946, Serial No. 644,001
2 Claims. (Cl. 198—233)

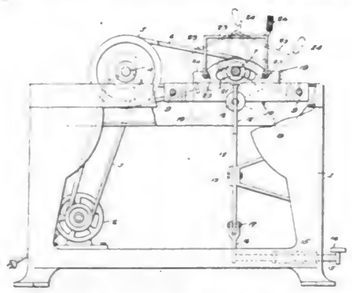


1. In a loading device, a lightweight metal frame providing a support for a power unit and having a base frame portion and an upwardly extending portion providing an inclined portion, a boom having one end pivotally secured to the upper end of said upwardly extending portion to provide for raising and lowering said boom, a conveyor having endless conveyor elements and providing an upper run extending over said inclined portion and said boom and a lower run returning through the upwardly extending portion of said frame, drive means for driving said conveyor elements from said power unit, and means for raising and lowering said boom, said device being provided with retractable supporting members for supporting said frame, one end of said base frame portion having horizontally extending portions engageable with and releasably attachable to rearwardly extending portions of a truck body to enable said device to be carried by said truck during operation of said device and when said supporting members are retracted.

2,454,861
MACHINE FOR CUTTING HANDHOLES
Alva Claybourne Coker, San Antonio, Tex.
Application July 23, 1945, Serial No. 606,570
5 Claims. (Cl. 144—136)

1. A machine for producing hand holes in case ends, including a frame, coaxial opposed routing bits mounted thereon, the distance between the bits being greater than the thickness of the work to be cut, means for rotating the bits, a carriage slidably mounted on the frame between the bits for movement in a line with the axis of the bits, whereby to shift work carried thereby into engagement with either bit, a substantially verti-

cally disposed lever positioned below the carriage, the lever being fulcrumed intermediate its ends to the frame, a yoke at the upper end of the lever proportioned to embrace and engage the carriage at opposed sides of the carriage, a foot pedal connected intermediate its ends to the



lower end of the lever, whereby to swing the lever in either direction about its fulcrum point, a work holding jig tiltably mounted in the carriage and positioned normally to support the work between and out of contact with the respective bits, and means under the control of the operator for rocking the jig relative to the carriage.

2,454,862

PRODUCT AND PROCESS OF REACTING ALKENYL SUCCINIC ESTERS WITH SULFUR

George T. Collins, Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application April 13, 1944, Serial No. 530,937
8 Claims. (Cl. 260—75)

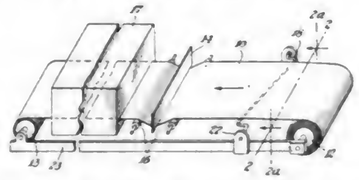
1. A composition of matter comprising the reaction product of an alcohol ester of an alkenyl-substituted succinic acid containing at least 3 carbon atoms in the alkenyl substituent with elemental sulfur, in which product from 0.1% to 20% of sulfur based on the weight of the ester is combined with said ester.

2,454,863

WEB TENSION EQUALIZING DEVICE

Guy J. Crocker, New Brunswick, N. J., assignor to Industrial Tape Corporation, a corporation of New Jersey

Application July 21, 1945, Serial No. 606,338
8 Claims. (Cl. 271—2.1)



6. Tension control apparatus comprising in combination means for moving a web in the direction of its length and a tension bar adapted to contact the web across the width of the web and pivoted on an axis disposed across the web, the bar being rotatable on its axis in response to variation of tension on opposite edges of the web, the portion of the bar midway between the edges of the web coinciding with the axis of the bar and the portion of the bar contacting the web being inclined in opposite directions from the axis whereby rotation of the bar about its axis inclines said last mentioned portion with respect to the normal plane of the web.

2,454,864

PACKAGE OF INDIVIDUAL CLEANSING TISSUE

Robert G. Dexter, Lexington, Mass., assignor to Barkley & Dexter, Boston, Mass., a partnership composed of Fred W. Barkley and Robert G. Dexter

Application February 20, 1947, Serial No. 729,853
1 Claim. (Cl. 206—57)



As a new article of manufacture, a rectangular sheet of cleansing tissue having the marginal portions thereof folded in opposite directions and along two spaced longitudinally extended fold lines to form a relatively narrow multi-ply strip, said strip being rolled into compact rolled form, and a relatively narrow band secured at one end thereof to the free end of the outer ply of said rolled strip, said band being wrapped about said rolled strip and having a portion thereof adjacent its other end adhesively but detachably connected to an underlying portion of said band to retain the sheet in rolled form until ready for use, said other end of said band being free and providing a tab of sufficient length to be easily grasped by the fingers to break said adhesive connection and unwrap said band from about the rolled sheet, said band serving as a handle when unwrapped for shaking the rolled and folded sheet into substantially flat form.

2,454,865

TIME-DELAY NETWORK

Michael J. Di Toro, Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application June 18, 1945, Serial No. 599,987
4 Claims. (Cl. 178—44)



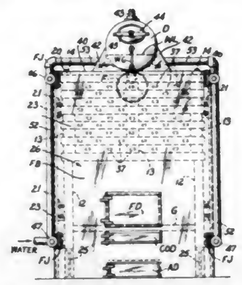
1. A time-delay network for translating signal components included within a predetermined range of frequencies comprising, an elongated conductive member, an elongated winding mounted in concentric relationship with respect to said conductive member, and a sheet of dielectric material coiled in the space between said conductive member and said winding for insulating but electrically coupling said winding along its length to said conductive member to provide a distributed capacitance along said winding, said sheet of dielectric material having a length approximately equal to that of said winding, having a minimum width at least equal to the circumference of said conductive member and having a variation in width such that the thickness of the coil thereof varies in a predetermined manner along the length of said winding to effect a desired variation of said distributed capacitance along said winding.

2,454,866

BOILER OF TUBULAR-SECTION TYPE

Andrew J. Gallaher, St. Louis, Mo.

Application November 9, 1946, Serial No. 708,978
6 Claims. (Cl. 122—225)



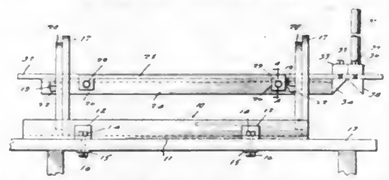
1. In a sectional boiler, a plurality of sections assembled in lateral adjacence, each section being formed of interconnected, substantially vertical and substantially horizontal tubular portions, such portions including a pair of vertical legs, one at each end of the section, a plurality of vertically spaced cross tubes above the fire box region of the boiler, with short tubing elements interconnecting successive cross tubes of the section, and with the vertical legs of the several sections collectively constituting lateral fire box closures, a steam drum in an upper region of the assembly, a takeoff header connected to the steam drum, and extended along and connected laterally to a plurality of the sections in an upper region of the assembly of sections, a return header similarly connected to the steam drum, connected laterally to a plurality of the sections with the return header connected into lower regions of the several sections.

2,454,867

BUS BAR BENDER

Joseph W. Garrett, Detroit, Mich.

Application November 29, 1946, Serial No. 713,173
6 Claims. (Cl. 153—20)



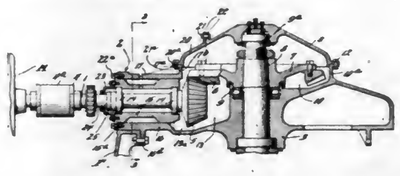
1. A bus bar bending machine comprising an elongated base arranged to be secured to a supporting surface, a pair of plates secured to extend at right angles from said base at longitudinally spaced points, said plates being provided with aligned circular openings, rotary annuli mounted on said plates with their openings aligned with the circular plate openings, means for limiting rotation of said annuli to predetermined arcs and for locking said annuli in selected positions of rotation relative to said plates, an elongated bus bar support extending through the openings of said annuli and fixed to said annuli, guide bars extending along opposite sides of said support, means affording lateral adjustment of said guide bars to engage the opposite side edges of a bus bar positioned lengthwise on said support for positioning said bus bar relative to the sides of said support with one end of the bus bar projecting longitudinally beyond the adjacent end of said support, bending means arranged to be secured to the bus bar comprising a first pair of bending bars secured at opposite sides of said end of the bus bar with one of said bending bars engaged with the adjacent end of the support, and a second pair of bending bars to be secured at opposite sides of the bus bar outwardly of said first pair of bending bars, and a handle on one of said second pair of bending bars for swinging said second pair of bending bars relative to said first pair of bending bars so as to bend the bus bar at a point between said pairs of bending bars.

2,454,868

REMOVABLE DRIVE SHAFT UNIT FOR PULVERIZING MILLS

William A. Gibson and Charles W. Mayer, Allentown, Pa., assignors to Bradley Pulverizer Company, Boston, Mass., a corporation of Massachusetts

Application June 26, 1947, Serial No. 757,236
4 Claims. (Cl. 74—606)



4. A pulverizing mill comprising a vertically disposed center shaft and a horizontal drive shaft, said drive shaft having a bevel pinion operatively engaging the underface of a bevel ring gear mounted upon the center shaft, a housing enclosing said ring gear and providing a gear chamber therefor, a closure for the top of the gear chamber, a centering bearing carried by said closure and encircling the upper end of the center shaft, said housing including a bearing box encircling the drive shaft and communicating at one end with the interior of the gear chamber, said bearing box comprising a block having a channel extending along its face adapted to provide a seat for a cylindrical bearing cartridge encircling the drive shaft and a removable cover providing a semi-annular recess adapted to seat upon the block and embrace the upper side of the bearing cartridge, said block having a clearance pocket located below said pinion and extending a limited distance outwardly in line with the drive shaft, said pocket being so constructed and arranged as to afford withdrawal clearance for said pinion by simultaneously swinging the drive shaft upwardly and axially through the uncovered upper side of said bearing box, the closure for the gear chamber having a removable section overlying the pinion disposed beyond the centering bearing and being contiguous to the removable cover for the bearing box.

2,454,869

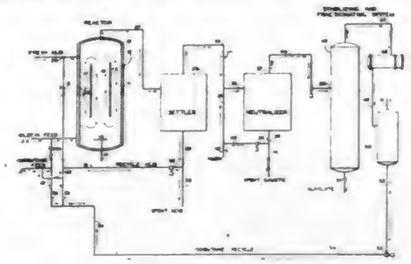
ALKYLATION METHOD

Arthur R. Goldsby, Beacon, and Claude W. Watson, Tuckahoe, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application February 24, 1943, Serial No. 476,896
3 Claims. (Cl. 260—683.4)

1. A process for the synthesis of hydrocarbons which comprises passing a stream of alkylatable hydrocarbons through a reaction chamber hav-

ing permeable walls, passing a stream of corrosive mobile alkylation catalyst through said reaction chamber in intimate contact with said hydrocarbons, introducing into said reaction chamber through said permeable walls a non-corrosive hydrocarbon fluid comprising olefins, maintaining alkylation conditions within said chamber to effect reaction of said alkylatable hydrocarbons with said olefins, and introducing said olefins at such rate so as to avoid undesirably high concentrations of olefins in the reaction mixture and so as to interpose a relatively catalyst-free barrier between the catalyst-hydrocarbon mixture and the walls of the reaction chamber.



2,454,870

APPARATUS FOR USE IN APPLYING WIRE TO ROWS OF PLANTS

Frank J. Grisanti, Forrestville, N. Y.

Application December 26, 1947, Serial No. 793,974
6 Claims. (Cl. 242—95)



1. An apparatus for use in applying two wires to two adjacent rows of plants, including an outer stationary tube, means for mounting said tube on a vehicle, an inner tube rotatably mounted within said outer tube and having its ends extending beyond the ends of the outer tube, collars secured to said inner tube at the ends of said outer tube to limit the longitudinal movement of said inner tube relatively to said outer tube, reels mounted on the ends of the inner tube beyond the ends of the outer tube in position to discharge wire from coils mounted on said reels above said rows of plants, the length of said tubes being such that said reels will be spaced apart a distance substantially equal to the distance between the rows of plants.

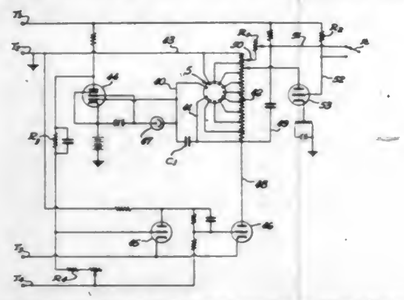
2,454,871

NONLINEAR ELECTROOPTICAL SYSTEM

Norman R. Gunderson, Pasadena, Calif.

Application October 9, 1946, Serial No. 702,172
17 Claims. (Cl. 250—41.5)

1. In a nonlinear electro-optical system: an electron multiplier phototube provided with an anode, a photocathode and multiple electrostatic focusing, secondary emission electrodes; and means responsive to variations of phototube anode current resulting from phototube light input variations, for causing modification of the voltage across the multiple electrodes in an inverse feed back manner whereby the voltage across the multiple electrodes is a virtually logarithmic function of the light exciting the photocathode of the phototube.

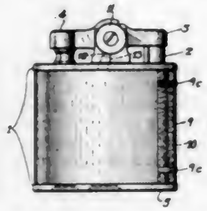


2,454,872

FUEL INDICATING LIGHTER

Alexander Harris, Scobeyville, N. J., assignor to Ronson Art Metal Works, Inc., a corporation of New Jersey

Application December 5, 1944, Serial No. 566,691
1 Claim. (Cl. 67—7.1)



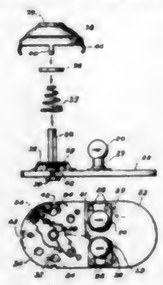
A cigar lighter having a fuel receptacle, an absorbent filling of cotton therein which is treated with a direct aniline dye insoluble in fuels of the naphtha type, to render the filling of different color as colorless fuel is added thereto and consumed therefrom, said receptacle having a wall portion of translucent material adjacent said filling to expose the color thereof to view while the receptacle is closed.

2,454,873

CONTROL SWITCH ASSEMBLY

Abraham Hollins and Jesse Hollins, New York, N. Y.

Application November 7, 1944, Serial No. 562,336
1 Claim. (Cl. 200—168)



In an electric switch assembly comprising a housing, a switch base secured within said housing, a vertical shaft rotatably supported on said base and projecting through said housing to carry an operating lever, a contact arm mounted on said shaft for rotation therewith, and a plurality of fixed contact elements carried by said base and engageable by said arm in the rotation thereof, a hollow member having one open end, a plurality of tongues projecting from said open end of the hollow member and engaging the base to lock the terminal face of said open end in surface engagement with the base, the hollow member defining a chamber inclosing said contact arm and said contact elements and having an opening through which the rotatable shaft extends, an element for closing said opening carried by the shaft within said chamber, and resilient means on the shaft between said element and the contact arm for maintaining said element in closing position to provide a substantially sealed structure within the housing and for concurrently urging the contact arm toward the base.

2,454,874

COVERING FOR PREVENTING ICE FORMATION ON AIRCRAFT

Wilson H. Hunter, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application April 23, 1943, Serial No. 484,183
9 Claims. (Cl. 244—134)



1. A protective covering for preventing the accumulation of ice on aircraft, said covering comprising electrically conductive composition including resilient rubber-like material having particles of electrically conductive substance therein, said covering being more conductive in spaced-apart portions thereof than in an intervening portion thereof, and conductor means including flexible elements disposed within and interconnected electrically with said spaced-apart portions for passing electrical heating current to and through said portions to obtain a higher temperature at said intervening portion than at said spaced-apart portions, the power dissipation characteristics of said electrically conductive composition being such as to provide the different temperatures at said portions for effectively preventing said accumulation of ice.

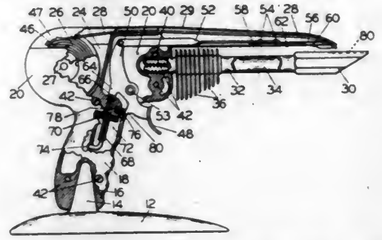
2,454,875

SOLDERING IRON

Robert W. Hyde, Englewood, N. J.

Application November 9, 1945, Serial No. 627,596
5 Claims. (Cl. 113—105)

1. In a soldering iron of the type having a strip of solder arranged to be successively advanced and retracted with respect to the iron tip, the combination of a first retractible member arranged to engage the solder to advance and retract the same, and a locking member arranged to engage the solder to prevent retraction of the solder when engaged therewith, said retractible member being arranged to disengage the locking member from the solder during the first phase of its retracting movement whereby solder is released from the locking member for retraction.

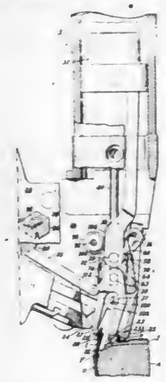


2,454,876

GRIPPER MECHANISM

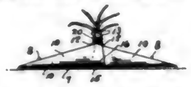
Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application February 28, 1947, Serial No. 731,489
12 Claims. (Cl. 12—4)



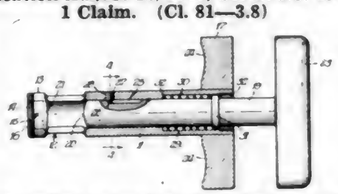
12. Mechanism for tensioning upper materials, including an upper and a lining, over a last comprising an upper-tensioning gripper, operating means connected to the gripper and movable first to effect closing of said gripper and, thereafter, movement thereof in a direction to tension the upper materials over the last, a lining-pulling gripper including a pair of pivotally connected jaws slidably mounted on the upper-tensioning gripper, yieldable means tending to close said jaws, cam means associated with said operating means for opening said jaws, a latch connected to said jaws and adapted to engage a shoulder on said operating means upon movement thereof sufficient to permit closing of said jaws by the yieldable means, means for disengaging said latch after a predetermined movement of said jaws by said operating means, and means associated with said upper-tensioning gripper for opening said jaws substantially as said upper-tensioning gripper is closed.

2,454,877
CHRISTMAS TREE STAND
William M. Lewis, Brownfield, Tex.
Application March 25, 1946, Serial No. 656,841
2 Claims. (Cl. 248—44)



1. In a Christmas tree stand comprising a base, inclined flaps extending from the ends of the base with their inner ends interlocked on opposite sides of a tree trunk receiving hole therein, upstanding lugs on opposite sides of the hole, inclined triangular flaps formed on the first mentioned flaps with their inner ends directed inwardly from the edge of the base and disposed in overlapping relation, lugs formed on the base inwardly of its side edges receiving the lower portions of the triangular flaps, a nail in the base perpendicularly aligned with the tree trunk receiving hole, and means securing the upstanding lugs to the tree trunk.

2,454,878
FUSE PULLER
Albert R. Marler, Forest Park, Ill., assignor to Carl C. Sittler, Chicago, Ill.
Application August 12, 1943, Serial No. 498,270
1 Claim. (Cl. 81—3.8)



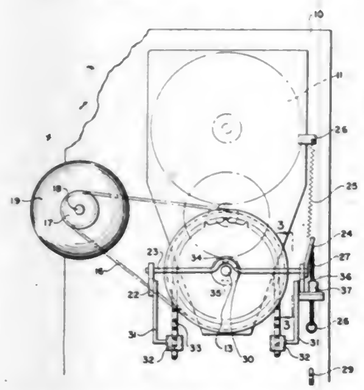
A fuse puller formed of insulated material for pulling elongated cartridge fuses from the electric contact elements with which the fuses normally are associated comprising a tubular body portion terminating at one end in a hook-shaped member, a fuse seat on the hook-shaped member, a stem movable longitudinally in said tubular body, a transversely curved end forming a fuse seat at the end of the stem lying opposite to the seat on the hook-shaped member and in position to cooperate with the seat on the hook-shaped member in engaging and holding a fuse on said first named seat, a pin extending radially inwardly on said tubular body portion, an elongated slot in said stem adapted to receive and cooperate with said pin to thereby prevent rotation of said stem and maintain the fuse seats on said stem and hook-shaped member in proper relation to snugly engage the opposing sides of the curved portion of a fuse, means normally maintaining said stem in position to urge the stem in a predetermined direction whereby the seat on the stem is normally positioned away from the seat on the hook-shaped member, a handle member on the stem, a handle member on the body whereby the seat on the stem is moved toward holding position with respect to the other seat when an urging action toward each other is applied to the two handles.

2,454,879
FISHING TACKLE
Benjamin Joseph Mattingly, Center Point, Tex.
Application August 16, 1944, Serial No. 549,692
1 Claim. (Cl. 43—27)

In combination with a fishing hook including a shank having an enlarged portion substantially opposite the barb of the hook, a coil spring closely coiled with its lower end portion around the shank below the enlarged portion thereof and loosely surrounding the shank above such enlargement and having its upper end of loop form so as to provide a finger piece for expansion of the convolutions of the spring to permit insertion of live bait between selected convolutions of the spring, said finger piece being in such close proximity to the shank of the hook as to enable the operator to press the finger piece against the shank while sliding the finger piece along the shank.

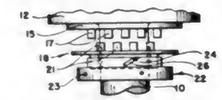


2,454,880
DRIVING MEANS FOR ROLLING DOORS
Nathan Michelman, New York, N. Y.
Application September 12, 1946, Serial No. 696,538
7 Claims. (Cl. 74—407)



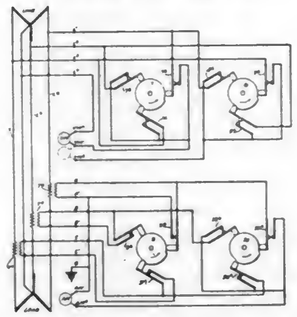
2. In a driving mechanism for rolling doors, a driven shaft, transmission means for operatively connecting said driven shaft to a rolling door shaft, a pulley keyed to said driven shaft, an electric motor driving said pulley, a driving wheel free on said driven shaft and displaceable thereon between an engaged position wherein it is drivingly coupled to said pulley and a disengaged position wherein it is not so coupled, means for manually rotating said wheel, resilient means for normally maintaining said wheel in its disengaged position, a control shaft substantially perpendicular to said driven shaft, hand-operated means for rotating said control shaft to an angularly displaced position, an eccentric member fast to said control shaft adjacent said wheel, said member when said control shaft is so rotated engaging said wheel and displacing the same to its engaged position whereby to permit manual operation of the mechanism, switch means actuable to render said electric motor inoperative, and means operatively associated with said hand-operated means for maintaining said switch means actuated while said shaft is in an angularly displaced position.

2,454,881
ADJUSTABLE STROKE ECCENTRIC MECHANISM
Nathan Michelman, New York, N. Y.
Application September 12, 1946, Serial No. 696,539
4 Claims. (Cl. 74—571)



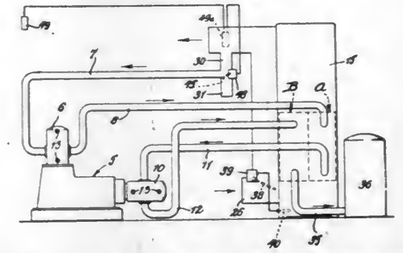
4. In an adjustable stroke eccentric mechanism, in combination with a reciprocating driver for a reciprocable member; a driving shaft, an outer eccentric free on said inner eccentric, means for operatively connecting said outer eccentric to said driver for the reciprocable member, a member keyed to said driving shaft and axially slidable between two extreme positions, a first set of teeth fast on said keyed member and disposed along a circle concentric with said inner eccentric, a second set of teeth fast on said outer eccentric and matable to said first set, said sets of teeth being in interlocking engagement with one another drivingly to connect said keyed member to said outer eccentric when said keyed member is in one extreme position and being disengaged when said keyed member is in the other extreme position, a member free on said driving shaft, means for rotating said free member, mutually engaging cam and follower means in said keyed member and free member for actuating said keyed member between said two extreme positions thereof in response to a rotation of said free member, and means for rotating said outer eccentric with respect to said inner eccentric when said sets of teeth are disengaged, whereby to vary the eccentricity of said outer eccentric with respect to said driving shaft and to adjust the stroke of the reciprocable member.

2,454,882
MEANS FOR OBTAINING LOAD AND VOLTAGE RECORDINGS OF ELECTRICAL DISTRIBUTION SYSTEMS ON A SINGLE RECORDER
Thurman Oakley, Belleville, Ill., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application June 9, 1943, Serial No. 490,182
2 Claims. (Cl. 346—33)



1. A mechanism for recording load current or voltage of the various circuits of a multiple-wire electrical distribution system, comprising a single recording meter, a selector switch, electrical conducting means for electrically connecting said selector switch to the various circuits of an electrical distribution system, and electrical conducting means for electrically connecting said selector switch to the recording meter, said selector switch including means operable to successively establish electrical connection from the various circuits of the distribution system directly to the recording meter so that only one circuit of the distribution system is subjected to measurement at a time, and to maintain such electrical connections with said recording meter for desired time periods during which recordings are made by said recording meter, said means of said selector switch being arranged for such operation that time periods of interruption between successive recording operations of the recording meter are provided for which vary in length.

2,454,883
APPARATUS FOR COOLING COMPRESSED GASES
Martin H. Oistad, Port Washington, and Allan E. Williams, White Plains, N. Y., assignors to Niagara Blower Company, Buffalo, N. Y., a corporation of New York
Application December 22, 1943, Serial No. 515,310
16 Claims. (Cl. 62—2)



1. In combination with a compressor having means for compressing a stream of noncondensible gas having a component which liquifies on cooling the compressed gas and a jacket through which a stream of cooling water is circulated, means forming a chamber having an air inlet and an air outlet, a fan arranged to force a current of air from said inlet, through said chamber and out through said outlet, a cooling coil arranged in the current of air passing through said chamber, means for discharging and distributing water over said cooling coil to wet the exterior of said cooling coil and to evaporate and absorb heat therefrom, means for conducting said stream of non-condensible gas through said cooling coil to cool said gas and liquify said component, and means for collecting said liquified component.

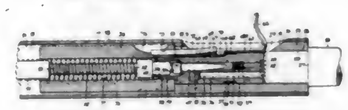
2,454,884
CLEANING DEVICE FOR CONDUITS
William H. Peaden, Muskogee, Okla.
Application April 19, 1945, Serial No. 589,221
6 Claims. (Cl. 15—242)



1. A cleaning means for a conduit comprising an elongated element insertible within said conduit in a direction lengthwise thereof, laterally disposed scrapers carried by said element at points therealong, means coacting with an end

portion of the element and the conduit for supporting the element for both rotary movement and reciprocatory movement, and combined cam and spring operated means for reciprocating the element upon continuous rotation of the element in one direction.

2,454,885
DETACHABLE OPERATING HANDLE FOR RETRACTING BREECH BOLTS
Thomas R. Robinson, Jr., Newtown, Conn., assignor to The Marlin Firearms Company, New Haven, Conn., a corporation of Connecticut
Application August 6, 1947, Serial No. 766,663
26 Claims. (Cl. 42—16)



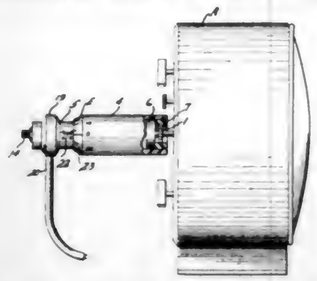
1. In a firearm, including in combination: a receiver having a breech-bolt chamber; a breech-bolt reciprocably mounted in said chamber, said breech-bolt having a longitudinal socket open in one direction; a transverse abutment remote from the open end of said longitudinal socket and facing in a direction opposite thereto; and a breech-bolt operating-handle having a resilient-element fitted in said socket and an integral abutment remote from the socket-fitting resilient-element, said resilient socket-fitting element being arranged to bear inwardly to hold the integral abutment of said bolt-operating means resiliently in juxtaposition to the transverse abutment of said breech-bolt.

2,454,886
PREVENTION OF MIST AND FROST ON GLASS AND SIMILAR SHEET MATERIAL
Reuben Hillel Sapiro, Pinner, England
No Drawing. Application May 17, 1943, Serial No. 487,383. In Great Britain April 16, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 16, 1962
6 Claims. (Cl. 106—128)

5. For use in treating a transparent cellulosic film for adhesive application to sheet glass and similar transparent rigid material to render it non-misting and non-frosting, a liquid composed of gelatin 40 grams, nitro-cellulose 1 to 5 grams, glacial acetic acid 250 to 400 ccs, sodium choleate 10 to 15 grams, water 100 to 150 ccs, industrial methylated spirit 600 to 750 ccs.

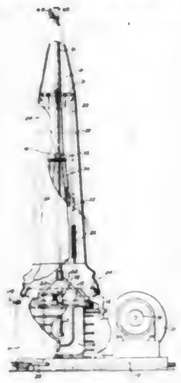
2,454,887
TIME SWITCH
Edgar R. Schott, Benton, Mo.
Application February 14, 1947, Serial No. 728,605
6 Claims. (Cl. 200—35)

6. In a time controlled switch, including a shaft having means constantly rotating the same at a substantially uniform speed; the improvement comprising a pair of cylindrical members, means operatively connecting one of said members to said shaft for rotation therewith, said members including opposed end portions formed to telescope together said end portions including extremities formed with complementary threads adapted to be threadedly engaged, said threads being formed to move said members relatively in a telescopically-closing direction upon rotation of said shaft, said end portions inwardly of said threads comprising smooth surfaces permitting free sliding relative movement of said members in a telescopically-closing direction upon disengagement of said threads, spring means loading said members for relative telescopic closing move-



ment, a switch carried by one of said members, and means operatively connecting said switch to said spring, whereby to actuate said switch upon said free sliding relative movement of said members in a telescopically-closing direction.

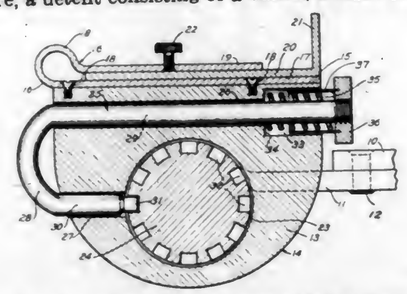
2,454,888
GARMENT FINISHING DEVICE
Julian C. Shaw and Harry E. Blettner, Cincinnati, Ohio, assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application February 14, 1946, Serial No. 647,611
16 Claims. (Cl. 223—70)



1. A finishing device of the character described, comprising a base having an open supporting ring, a bag having one end open and secured to said ring, means for causing the flow of a gas under pressure through said ring into the space within said bag, a series of ribs distributed at intervals around said bag and secured thereto, and yielding means connected to said ribs and opposing bag inflation.

2,454,889
AUTOMOBILE SERVICE TABLE
George I. Shelton and Henry L. Dowell, Athens, Tex.
Application January 31, 1946, Serial No. 644,494
2 Claims. (Cl. 311—21)

2. A service table comprising a body member having a clamp means for engaging a horizontal flange of an automobile dash panel, said body having a horizontal bore, a pivot pin journalled in said bore and projecting beyond the body member, a table member, said table member having a pair of spaced brackets, each bracket having a bearing for respective ends of the pivot pin and rigidly fixed thereto, said body member having an opening transverse to the bore, said opening having a concentric enlargement at one end, a second opening being formed in said body member parallel to the first opening and intersecting said bore, a detent consisting of a shank, a bight por-

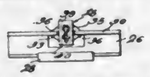


tion and a bill, said shank being slidably disposed in said first named opening and said bill being slidably engaged in the second named opening and of a length to project into said bore, a helical spring seated within the concentric enlargement of the first opening and disposed about the shank, an operating knob on the shank and engaging the spring, and said pivot pin having circumferentially spaced teeth for selective engagement by said bill.

2,454,890
ANTIOXIDANTS FOR MINERAL OIL LUBRICANTS AND COMPOSITIONS CONTAINING THE SAME
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., and John G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 9, 1947, Serial No. 740,482
16 Claims. (Cl. 252—51.5)

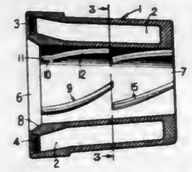
1. The process of preparing an addition agent for mineral oil lubricants which comprises condensing from 1 to 4 mols of benzyl benzoate, 1 to 6 mols of N-dimethylaniline and 0.5 to 6 mols of formaldehyde per mol of benzyl benzoate in the presence of an activated clay catalyst at a temperature not in excess of 350° F., and recovering the condensation product.

2,454,891
POCKET FOOTBALL GAME APPARATUS
Edward A. Spause, Philadelphia, Pa.
Application May 23, 1947, Serial No. 749,901
4 Claims. (Cl. 273—94)



3. In game apparatus involving a game board having a longitudinal slot with playing position marks therealong, a dual indicator comprising a first element having slots formed in its opposite ends slidably receiving the edges of said slot to enable sliding said first element to different selected positions along said slot designated by said position marks, and a second element rotatably mounted on said first element on an axis extending transversely across said slot, said second element having peripheral facets to designate different phases of play in the positions assumed by said first element relative to said playing position marks when said second element is rotated to bring different facets uppermost, said second element comprising a block positioned in said slot in the game board and formed with a bore rotatably receiving a portion of said first element, said portion of said first element being substantially cylindrical and formed with a circular keyway, and said second element having a key inserted in said keyway whereby axial movement of said second element relative to said first element is precluded.

2,454,892
BLAST FURNACE TUYÈRE
John H. Sprow, Jackson, Ohio
Application May 22, 1946, Serial No. 671,461
5 Claims. (Cl. 266—41)

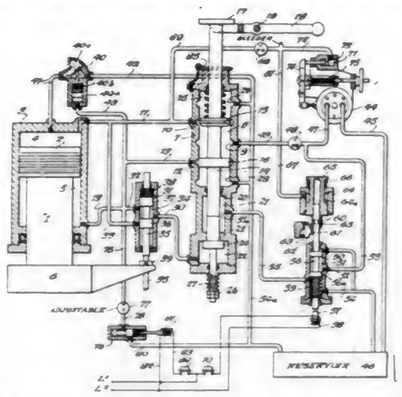


1. A tuyère comprising a body portion having a bore extending therethrough, a series of helicoid ribs projecting radially inwardly from the surface of said bore and extending a portion of the length of the bore, and a second series of helicoid ribs projecting radially inwardly from the surface of said bore and extending along a portion of the length of the bore, said ribs of the first series being staggered relative to the ribs of the second series so as to provide clear paths longitudinally of said surface of the bore to facilitate cleaning by means of a bar or the like inserted in the bore and passed along such surface substantially in the same plane as the axis of the bore.

2,454,893
FLUID-OPERATED MOTOR
Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio
Application July 1, 1941, Serial No. 400,607
24 Claims. (Cl. 60—52)

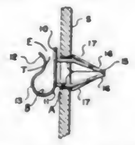
1. Improved operating means for a hydraulic motor having a main cylinder, a retraction cylinder, and a ram element operated in opposite directions by fluid pressures in said cylinders, which comprises a source of operating fluid under pressure, a main control valve having a valve element selectively movable between three positions, in one of which it connects said source to said main cylinder and releases fluid from said retraction cylinder, in another of which it connects said source to said retraction cylinder and releases fluid from said main cylinder, and a third position intermediate said two positions at which it prevents escape of fluid from said retraction cylinder, releases fluid from said main cylinder and by-passes fluid from said source, means for yieldingly urging said valve element into said another position, hydraulic means for releasably preventing movement of said valve element by said urging means into said another position, fluid actuated means for moving said valve element into said one position to start an advance of said ram element, an auxiliary valve controlling said fluid actuated means and having a control member, means yieldingly urging said

control member into a position in which it makes said fluid actuated means ineffective on said element, means for shifting said control member into a position in which it causes operation of said fluid actuated means, means for latching



said control member in said last named position, and means responsive to an operating condition of said motor when said element is moving under pressure existing in said main cylinder for releasing said control member from said latching means to cause a retraction of said element.

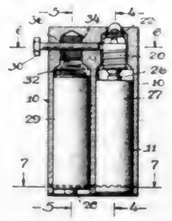
2,454,894
HOOK
Raymond F. Tatom, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application January 1, 1944, Serial No. 516,739
5 Claims. (Cl. 24—73)



1. A hook comprising a substantially rectangular base plate, a hook portion on one side of said base plate and including two strips spaced edgewise and springing from one edge of said base plate, and two legs springing from points symmetrically arranged at opposite sides of a reference line on said base plate parallel to the edge from which said two hook portion strips spring, and located between parallel lines on the base plate perpendicular to such reference line and extending from the adjacent edges of said hook portion strips at their junctions with said base plate, said legs projecting beyond the side of said base plate opposite that on which said hook portion is located and parallel to a plane perpendicular to said reference line, said legs further having mutually convergent free end portions.

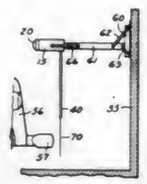
2,454,895
FLASHLIGHT
Orville D. Thurnell and Joseph J. Cannistra, Chicago, Ill.
Application April 18, 1946, Serial No. 663,188
3 Claims. (Cl. 240—10.65)

1. An electric lamp adapted for pocket use comprising a solid electrically non conductive plastic case, the said case consisting of a clear methacrylate resin shape, the said shape having therein two bored cavities in parallel relationship to each other and adapted to receive battery cells, each of the said bored cavities having smaller diameter concentric bore extensions thereof in like parallel relationship, at least one of the said smaller bore extensions terminating in an aperture on the surface of said methacrylate resin shape, an



incandescent light bulb protruding slightly thru said aperture, a means for closing and breaking the electrical circuit, a metallic base channel to make contact between the battery cells, upstanding flanges on said channel with inwardly disposed arms, and grooves on said plastic case in juxtaposition with said inwardly disposed arms, whereby said channel is slidably engaged by and retained in place.

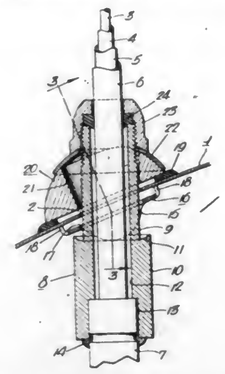
2,454,896
AUTOMOBILE POSITION SIGNAL
Ellis Traub, Worcester, Mass.
Application December 26, 1946, Serial No. 718,493
3 Claims. (Cl. 177—311)



1. An automobile position signal adapted for mounting adjacent to the rear wall of a garage and comprising an electric lamp, a frame to support the lamp in position to be seen readily by the operator of an automobile entering the garage, a normally open switch to control the flow of electric current to the lamp, an actuator supported by the frame and free to move rearwardly for a considerable distance, the actuator being in position to be engaged by a portion of an automobile approaching the wall and thus be moved rearwardly, and connections between the actuator and the switch effective to close the switch upon a slight rearward movement of the actuator and to open the switch upon further rearward movement of the actuator.

2,454,897
ANTENNA MOUNTING
Charles A. Trowbridge, Roxborough, Pa., assignor to Ben Snyder and Gerson Snyder, copartners trading as Snyder Mfg. Company, Philadelphia, Pa.
Application May 13, 1946, Serial No. 669,276
9 Claims. (Cl. 248—44)

1. In an antenna mounting of the character described, a sleeve adapted to extend through an opening in a wall, a support rockably supported by said sleeve and arranged to engage one side of said wall at a plurality of points about the axis of the sleeve, a member arranged for positioning



at the other side of the wall and having therein an opening for said sleeve, and means on said sleeve operable to fixedly secure said support, said sleeve and said member relative to each other and to said wall.

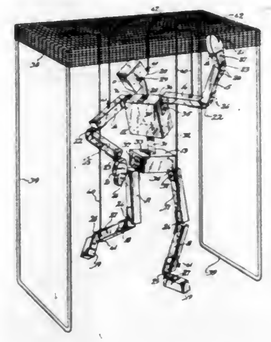
2,454,898
SHADING PROCESS FOR PHOTOGRAPHS
Harry J. Tuthill, St. Louis, Mo.
Application April 5, 1946, Serial No. 659,824
11 Claims. (Cl. 41—46)



1. The process of applying dots to a graphic composition which consists in providing a thin sheet of transparent flexible material having a multiplicity of perforations extending therethrough, laying such perforated sheet upon said graphic composition, applying to the exposed face of said sheet a liquid solvent therefor which flows through the perforations therein to the underside thereof and causes said sheet to removably adhere to said graphic composition, and then applying to said exposed surface of said sheet a viscous marking fluid which flows through said perforations and adheres to said graphic composition in the form of dots corresponding to the shape, size and spacing of said perforations.

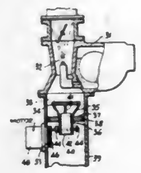
2,454,899
AID TO ART PRACTICE AND INSTRUCTION
Kathryn B. Twomey, Chicago, Ill.
Application August 1, 1945, Serial No. 608,147
5 Claims. (Cl. 35—28)

1. A poseable, skeletonoid block model of the character described, for use as an aid to art practice and instruction in visual perspective, which comprises a plurality of blocks, each block being a unitary structure and representing a subdivision of a human skeleton, and means for nondetachably articulating said blocks to form said model and to permit the model to be posed in a plurality of attitudes; each of the blocks, representing the skull, the bony thorax, the pelvis, the humerus, the femur, the paired bones of the forearm and the paired bones of the leg, being bounded



externally entirely by rectangular plane surfaces disposed in substantially parallel pairs.

2,454,900
METHOD AND MEANS FOR CARBURETING AIR FOR FUEL MIXTURES
Alfred Vang, Newark, N. J.
Application July 15, 1943, Serial No. 494,770
9 Claims. (Cl. 123—119)

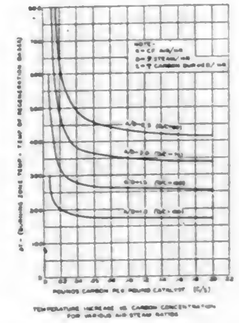


2. Means for the carburetion of air and fuel mixtures of internal combustion engines comprising guide means for the passage of a mixture of air and fuel vapors, a diaphragm aimed along said passage for the fuel and supported along its edges, and means for imparting vibrations to said diaphragm, said diaphragm being supported in an annular member and said diaphragm being aimed by moving said annular member.

2,454,901
CONTROL OF TEMPERATURE IN REGENERATION OF SOLID HYDROCARBON CONVERSION CATALYSTS
Roy E. Vinyard and Wendell W. Roach, Borger, Tex., and Bradley Skinner, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application June 24, 1944, Serial No. 541,922
5 Claims. (Cl. 196—52)

2. An improved process for the catalytic conversion of hydrocarbons in which an elongated bed of solid catalyst is alternately contacted with hydrocarbons under conversion conditions causing deposition of carbonaceous material thereon and with oxygen to remove said carbonaceous material by combustion, which comprises passing through such a bed a stream of hydrocarbons under such conversion conditions and for such a time to deposit at least 0.02 pound carbon per pound of catalyst, then purging hydrocarbons

from said catalyst bed, then regenerating said catalyst bed at the maximum permissible temperature which said catalyst can withstand without permanent impairment of its activity by passing through said bed from one end to the other end thereof a regeneration gas comprising oxygen and an inert diluent maintained in constant proportions throughout said regeneration until sufficient oxygen has passed therethrough to effect combustion of the carbon on said catalyst by passage of a narrow burning zone entirely through said bed, the total heat of combustion being removed as sensible heat of spent regeneration gas, the regeneration gas entering said bed at a constant inlet temperature and containing a total amount of diluent D during the entire regeneration period in accordance with the equation



$$\frac{C}{S}=\frac{\frac{h_S}{h_D}}{\frac{D}{C}-\frac{Q-K\Delta T}{h_D\Delta T}}$$

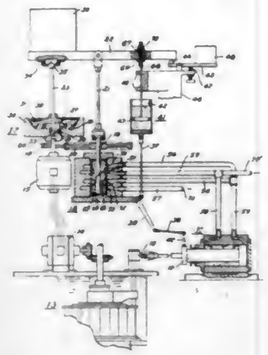
where C=the weight of carbon deposited; S=weight of catalyst; h_S=the specific heat of the catalyst; h_D=the specific heat of the diluent; D=weight of the diluent; Q=the heat of combustion of carbon; ΔT=the temperature difference between the said maximum permissible temperature and the inlet temperature of the regeneration gas; and K=a constant which is equal to

$$h_F\frac{F}{C}$$

where h_F is the specific heat of the spent regeneration gas or flue gas produced in the combustion zone and F is the volume of flue gas produced in burning C weight of carbon with the volume of oxygen required for complete combustion thereof; thereby effecting regeneration of said catalyst at a burning zone temperature equal to said maximum permissible temperature for said catalyst, but avoiding temperature in excess of said maximum temperature at any point in said bed during said regeneration.

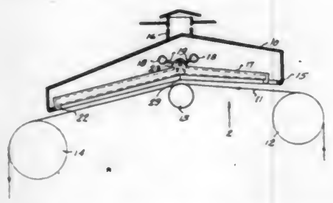
2,454,902
SPEED GOVERNOR
Henry E. Warren, Ashland, Mass.
Application July 14, 1944, Serial No. 544,996
3 Claims. (Cl. 264—17)

3. A tachometer for measuring or controlling speed, comprising a cup-shaped rotatable member, a plurality of balls disposed within said member for co-operation with the interior surface thereof, retainers constructed and arranged to permit limited motion of said balls upon rotation of said member, an abutment resting upon said balls, and means loosely coupling said abutment



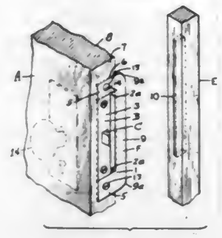
to said member for rotary movement therewith and axial movement thereto, the axis of said abutment being tilted at a small angle to the axis of said member.

2,454,903
STEAMING OR VAPORIZING MEANS
Karl Weik, Detroit, Mich., assignor to Fabricon Products, Inc., River Rouge, Mich., a corporation of Michigan
Application October 8, 1945, Serial No. 620,948
1 Claim. (Cl. 34—79)



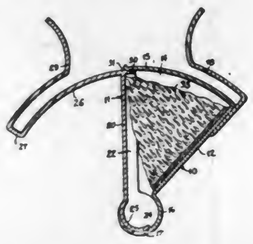
Apparatus for steaming or vaporizing a recently inked travelling web of paper comprising a steam box having a considerable length along the web and having a width at least equal to the inked part of the web, said box being hollow, the wall of the box nearer the web being closely adjacent the web and having a narrow slot extending across the web and communicating the interior of the box with the space between said wall and said web, said box being completely sealed except for said slot, means for introducing steam into the box, and deflectors in said box adjacent said means for preventing entering steam from impinging directly on said web through said slot, said deflectors including flanges at the edges of the slot projecting from the slotted wall of the box towards the opposite wall, and formations projecting from said opposite wall towards the flanges, said slot being approximately midway between the forward and rear ends of the box whereby the web may be preheated by the forward part of the box before it reaches the slot and whereby the web, steamed at the slot, may be heated after it passes the slot by the rear part of the box, and an exhaust hood closely surrounding said box for exhausting steam from the space between the web and the box.

2,454,904
DOOR LOCK PROTECTOR
John R. Wylie, San Francisco, Calif.
Application October 7, 1944, Serial No. 557,682
2 Claims. (Cl. 292—346)



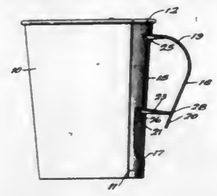
1. An article of manufacture comprising a single sheet of metal forming a body, said body having a recess with wings forming the sides of the recess, said wings lying in the plane of the body and in the plane of the recess, the wings being securable to the end of a door in a position to cause the end of a door lock to be received in the recess and the body to project beyond the outer door surface, the body being adapted to be received in a recess of a door stop when the door is closed.

2,454,905
FRUIT JUICE EXTRACTOR
Neal C. S. Allen, Bennington, Vt.
Application April 15, 1946, Serial No. 662,388
4 Claims. (Cl. 100—41)



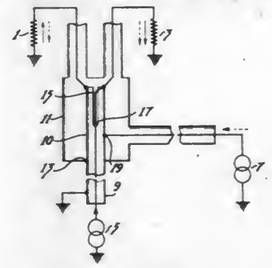
1. A fruit juice extractor comprising a pair of members pivotally secured to each other at their lower portions for hinged movement on a pivot axis and each having an end wall, a pair of side walls, and a top wall, the top wall of each section being arcuate and the side walls and top wall of one member being adapted to telescope with relation to the side walls and top wall of the other member, when the two members are moved towards each other on their pivot axis, said members having arcuate portions on their lower ends, the arcuate portion of one member telescoping with relation to the arcuate portion of the other member, and rotatably mounted therein, the outer arcuate portion having a hole therein, which is normally closed by the arcuate portion on the lower end of the other member, when the parts are in open position, and which is adapted to be opened when the two parts are pressed towards each other into telescopic relation to allow fruit juice extracted from a piece of fruit disposed between the two members to flow out through said hole.

2,454,906
PAPER CUP AND HANDLE THEREFOR
Walter E. Amberg, Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application November 19, 1945, Serial No. 629,447
5 Claims. (Cl. 229—52)



2. A paper cup comprising a side wall, a collapsible handle thereon including a vertically arranged inverted T-shaped handle portion hinged at its top to the side wall, and a pair of vertically arranged arm portions on each side of the leg of the T-shaped handle portion hinged at their tops to the side wall below the hinge point of the handle portion and hinged at their bottoms to the cross of the T-shaped handle portion, said handle adapted to lie close to the side wall of the cup to permit nesting of a plurality of cups, and said handle adapted to be folded upwardly from the side wall by folding at said hinge points and bending of the handle portion.

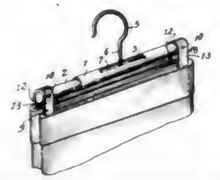
2,454,907
RADIO-FREQUENCY NETWORK
George H. Brown, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 21, 1945, Serial No. 630,073
3 Claims. (Cl. 250—33)



1. An antenna system including an isolation network comprising a first coaxial input line, a conductive sleeve surrounding one end of said line and connected to the outer conductor of said line at a point near said end, the end portion of the outer conductor of said line including a longitudinal slot, the end of the inner conductor of said line being connected to the end of the outer conductor of said line at one side only of said slot, a second coaxial input line with its outer conductor connected to said sleeve and its inner conductor coupled to the outer conductor of said first input line within said sleeve, and a pair of coaxial output lines with their outer conductors connected to said sleeve and their inner conductors connected to the end of the outer conductor of said first input line on opposite sides respectively of said slot, dipole radiator means coupled to one of said output lines, and further dipole radiator means

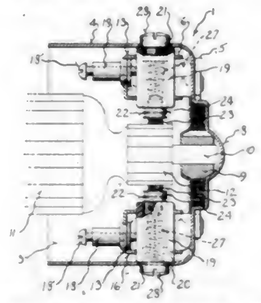
at right angles to said first radiator means and coupled to the other of said output lines, one of said output lines being one-quarter wavelength longer than the other.

2,454,908
HANGER
Frederick L. Buxton, Burbank, Calif.
Application July 14, 1945, Serial No. 605,073
4 Claims. (Cl. 223—95)



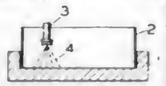
1. A hanger for engagement with a pair of trouser legs comprising a single tubular element, a rod positioned therein to slide axially thereof, a coil compression spring carried concentrically within the tubular element and urging the rod outwardly from the tube, a supporting hook passing through a motion limiting slot formed in the tube to cooperate therewith as a stop to limit motion of said rod which would otherwise be produced by said spring, said hook being secured rigidly to the rod to thereby prevent relative rotational movement between said tube and rod, and the rod and the tube having at their opposed ends a pair of spaced gripping legs.

2,454,909
BRUSH MOUNTING FOR ELECTRIC MOTORS
Eric Bylund, Genoa, Ill., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application July 27, 1946, Serial No. 686,612
3 Claims. (Cl. 171—323)



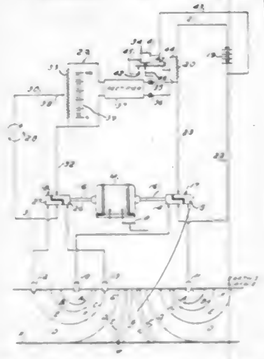
1. In an electric motor: a housing having a side wall and an end wall; an armature rotatable in said housing and having a commutator adjacent to said end wall thereof; a brush supporting fixture fixed to said housing adjacent to said end wall thereof, said fixture including spaced apart substantially parallel side walls interposed between the commutator and the side wall of the housing and lying in planes normal to a radius of the commutator, said walls of the fixture having apertures arranged on a common axis normal to the axis of the commutator; an insulating brush holding tube loosely received in said apertures so as to be supported from said fixture walls a predetermined distance from said end wall of the housing and with its axis normal to the axis of the commutator; a brush carried by said tube for engagement with the commutator; and means on said fixture accessible only from the inside of the housing for detachably holding said tube against axial shifting relative to the fixture.

2,454,910
METHOD OF APPLYING COATINGS TO MOLDED OR CAST ARTICLES
William P. Carr, Rossford, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application April 4, 1946, Serial No. 659,658
5 Claims. (Cl. 18—59)



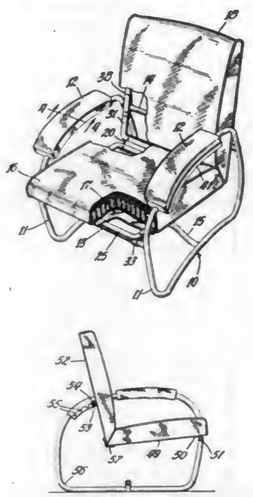
1. A method of applying a coating to a molded article which comprises first providing a mold in which the article is to be formed, then coating the mold surface with an adhesive substance of nonpermanent nature, partially imbedding inert particles in the adhesive substance, applying a coating of material to be a permanent part of the molded article over the imbedded inert particles, filling the balance of the mold with molding material, permitting the molding material to harden, withdrawing the formed article from the mold, and finally removing any nonpermanent adhesive substance from the surface of the article leaving the inert particles fixed in the article with their outer ends protruding to the extent they were embedded in the adhesive substance.

2,454,911
GEOLOGICAL EXPLORATION SYSTEM
Dayton H. Clewell, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application August 12, 1944, Serial No. 549,209
7 Claims. (Cl. 175—182)



1. A method of electrical prospecting which comprises applying alternating current between spaced points on the earth's surface to produce a system of equipotential surfaces, locating detecting stations at points on a selected one of said equipotential surfaces, varying the frequency of said alternating current to change the potential difference between said detecting stations by an amount due to reflections from a subsurface boundary, and measuring said resultant potential difference.

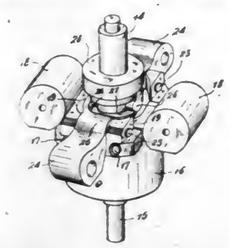
2,454,912
SPRINGY ADJUSTABLE SEATING STRUCTURE
Marion Morgan Cunningham, South Bend, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application October 30, 1944, Serial No. 560,978
8 Claims. (Cl. 155—116)



4. In a seating structure of the class described the combination of three independent individual assemblies joined together in associated cooperative relation, two of the assemblies being a seat back and a seat bottom respectively and each comprising a fabric panel tautly stretched on a surrounding flat marginal frame consisting of a springy flat bar extending continuously around and lying flatwise in the plane of the fabric panel, said bar being of such width that it is substantially rigid and unyielding in the plane of the fabric panel and relatively thin and resiliently bendable transversely to the plane of the fabric panel and said other assembly being a supporting frame for said seat back and said seat bottom, said seat bottom and said seat back being connected together solely at their respective rear and lower ends and said supporting frame being connected with said seat bottom and seat back solely at side marginal places thereof remote from their aforesaid rear and lower end connection, the connection of the said supporting frame with one of said other two independent individual assemblies being a pivotal connection and with the other of the said two assemblies being an adjustable connection whereby that assembly is movable forwardly and rearwardly to optional positions on the supporting frame.

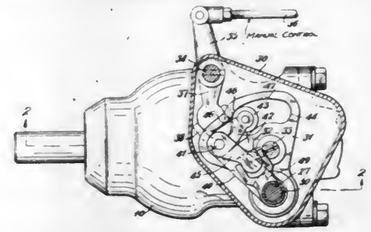
2,454,913
CENTRIFUGAL GOVERNOR
Louis De Marco, Cleveland, Ohio
Application September 27, 1944, Serial No. 555,978
6 Claims. (Cl. 264—15)

1. In a centrifugal governor, a shaft, control means movable axially relative to said shaft, a set of weights mounted to turn with the shaft and to swing on parallel axes under the influence of centrifugal force for moving said control means in one axial direction under speed increases throughout the range of the governor, a second set of weights mounted independently of the first set to turn with the shaft and to swing on parallel axes separate from said first named axes and function-



ing at low speeds to augment the action of the first set, but adapted to be forced inward by the control means at higher speeds for opposing by centrifugal force the effect of the first set.

2,454,914
SPEED CONTROL MECHANISM
Louis De Marco, Cleveland, Ohio
Application November 23, 1945, Serial No. 630,360
15 Claims. (Cl. 264—3)

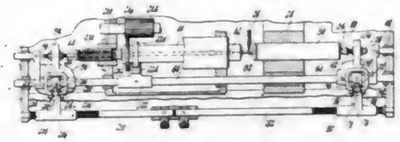


1. In engine control mechanism, a control member movable in a predetermined path only, a bell crank lever pivoted to said control member, a throttle operating element articulated with one arm of said bell crank lever, the other arm thereof carrying a follower, and cam means engaged by said follower, whereby the effect upon said throttle operating element of a given movement of said control member may be modified by cam contour.

2,454,915
ISOLATION OF LIPOVITELLENIN FROM EGG YOLK
Harry L. Fevold and Adele Lausten Dimick, Berkeley, Calif., assignors to United States of America as represented by the Secretary of Agriculture
No Drawing. Application May 21, 1947, Serial No. 749,606
4 Claims. (Cl. 99—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

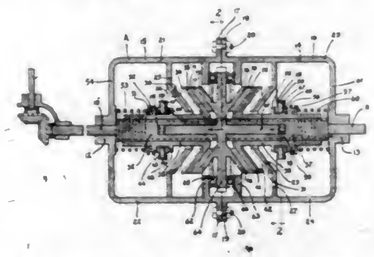
1. A process for isolating lipovitellenin from egg yolk comprising mixing egg yolk with water, centrifuging the mixture, discarding the separated solids adding ether to the supernatant liquid, allowing the liquid to stand to form three layers, namely, an upper layer containing fatty material dissolved in ether, an intermediate layer of crude lipovitellenin, and a lower layer containing water and water soluble proteins and removing the intermediate layer of lipovitellenin.

2,454,916
MACHINE TOOL
Ralph M. Gamble, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application February 18, 1946, Serial No. 648,423
8 Claims. (Cl. 51—215)



1. In a screw threading machine, a frame, a tool on said frame, a spindle rotatably mounted and axially movable on said frame, a chuck within said spindle, a ram axially movable on said frame in alignment with said spindle, cam actuated means for moving said ram to push a work piece to said chuck, automatic means for causing said chuck to grip a work piece pushed thereto, and means for axially moving said spindle and ram as a unit while the tool is in operative engagement with the work piece.

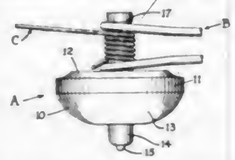
2,454,917
BRAKE AND CLUTCH MECHANISM FOR TRANSMISSIONS
George A. Geddes, Minneapolis, Minn.
Application June 15, 1944, Serial No. 540,449
4 Claims. (Cl. 192—18)



1. A transmission comprising a casing, a pair of spaced aligned shafts supported by said casing, a coaxial gear supported between said shafts, a pair of friction means on said gear, a clutch means slidably mounted upon each of said shafts for movement toward or away from said gear, means for moving said clutch means toward or away from said gear, said clutch means comprising an outwardly extending flange having a friction surface on opposed faces thereof, friction means on said casing, certain of said friction surfaces on said flanges engaging corresponding friction means on said gear when moved toward said gear and the other friction surfaces on said flanges engaging the corresponding friction means on said casing when said flanges are moved away from said gear to hold the corresponding clutch means and shaft upon which it is mounted from rotation.

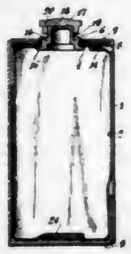
2,454,918
SPINNING TOP
George A. Geddes, Minneapolis, Minn.
Application March 14, 1946, Serial No. 654,281
3 Claims. (Cl. 46—72)

1. A holder for use in conjunction with a top having an axial shaft, a groove encircling said shaft near the upper end thereof and a body encircling the shaft near the lower end thereof, the holder comprising an elongated handle having a pair of hook shaped members projecting from one end thereof one above the other in spaced relation, the uppermost of said hook



shaped members being engageable about said shank in said groove and the lower of said hook shaped members being engageable about said shank adjacent the upper end of said body, said hook-shaped members being shaped with an open side extending transversely of the longitudinal handle axis.

2,454,919
MULTIPLY CONTAINER WITH DISPENSING OUTLET SECURED THERETO
Cora L. Hagan, South Ozone Park, N. Y., assignor to The Lord Baltimore Press, Baltimore, Md., a corporation of Maryland
Application January 19, 1943, Serial No. 472,907
5 Claims. (Cl. 222—569)

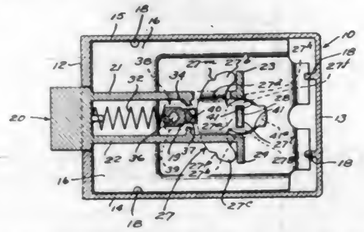


4. In a container, the combination of an inner container, an outer container having a plurality of folded tuck-in flaps for closing one end thereof, two of said flaps extending toward each other with their ends juxtaposed, said containers having registering apertures, the aperture in said outer container extending through a plurality of said folded flaps, a neck part extending through said registering apertures, means for securing portions of said containers adjacent said apertures to said neck part to secure together said folded flaps and said inner container, and means on the exterior of the portion of the neck extending through said apertures for securing a closure thereto.

2,454,920
LOCK CONSTRUCTION
Emil J. Heineman, Chicago, Ill., assignor, by mesne assignments, to Keil Lock Co. Inc., Charlestown, N. H., a corporation of New Hampshire
Application February 2, 1945, Serial No. 575,748
3 Claims. (Cl. 292—169)

1. A lock construction comprising a casing having a wall in the form of a back plate, the back plate having a hole to receive a screw and the casing having a threaded hole, a spring-biased bolt projectible into or out of the casing, a cam member loosely journalled in the back

plate having operating connections with the bolt for actuating the bolt, and operatively connected to a key operated connector bar, a device made of sheet metal and having a base portion resting against the external face of said back plate and having an operating portion projecting through the hole in the back plate having an inclined bearing surface directed away from said cam, a

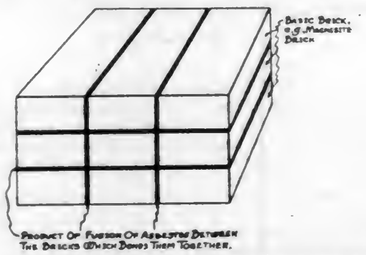


screw threaded into the threaded casing hole for holding the back plate and said device assembled to the casing, said operating portion of said device and said cam having interengageable parts for releasibly holding said cam member and bolt against movement and comprising a notched portion on the cam engaging a projection on said operating portion aforesaid.

2,454,921
PRODUCTION OF ALUMINUM FLUORIDE GELS
Heinz Heinemann, Upper Darby, Pa., assignor to Porocel Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application February 28, 1946, Serial No. 651,047
4 Claims. (Cl. 23—88)

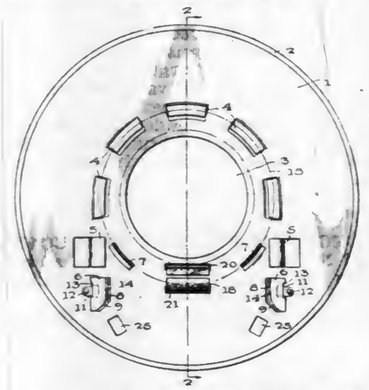
1. A method for producing an aluminum fluoride gel, which comprises digesting alumina with at least a chemically equivalent amount of aqueous hydrofluoric acid, the quantity of water in the reactant mixture being such as to give hydrofluoric acid of a concentration between 30% and 40%, and drying the resulting gel.

2,454,922
BASIC REFRACTORY STRUCTURE
Everett C. Hite, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application July 31, 1943, Serial No. 496,949
8 Claims. (Cl. 72—37)



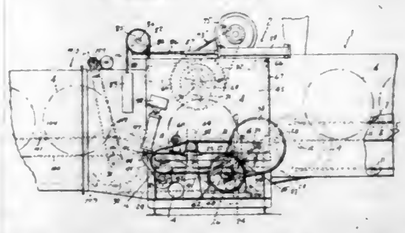
1. In the construction of a refractory structure from basic brick, the improvement which consists in providing a layer of asbestos between adjacent bricks, and heating said structure to a temperature of at least about 2600° F. and thereby fusing said asbestos and bonding the bricks.

2,454,923
EMERGENCY WHEEL
Alleyne C. Howell, Jr., Dallas, Tex.
Application February 20, 1946, Serial No. 648,882
18 Claims. (Cl. 301—38)



7. A device of the class described comprising a disc wheel, a series of main retaining lugs formed at one side thereof, and arranged substantially in a semi-circle, guide lugs, mounting lugs, and auxiliary retaining lugs, the guiding lugs, the mounting lugs and the auxiliary retaining lugs being formed at the same side of the disc wheel as the main retaining lugs, the main retaining lugs, the guiding lugs, and the mounting lugs forming a generally U-shaped space into which the wheels of an automobile or the like may pass when the disc wheel is to be mounted thereon, auxiliary retaining lugs being positioned at opposite sides of a median line, at the half of the wheel opposite said main retaining lugs and within said U-shaped space, said auxiliary retaining lugs being adapted to engage behind the rim of an automobile or like wheel after it has been placed in the base of said U-shaped space and to cooperate with said main retaining lugs to retain the disc wheel on the rim of the automobile or like wheel.

2,454,924
BARREL WASHER
George L. Hurst, San Francisco, Calif., assignor of one-half to Alexander Bauer and one-half to Ernest Thompson, both of San Francisco, Calif.
Application May 19, 1944, Serial No. 536,315
8 Claims. (Cl. 15—57)



1. In a barrel washer, means for supporting a barrel on its side for rotation about its longitudinal axis and for so rotating said barrel, a rotary brush supported for rotation about an axis parallel with the aforesaid horizontal axis but offset to one side thereof, means supporting said brush for said rotation and for engagement with one

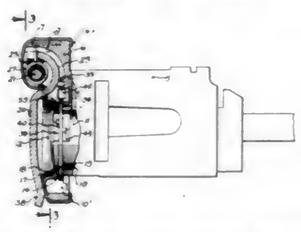
end of said barrel during rotation of the latter, said brush being positioned to extend across the said axis of rotation of said barrel and to the sides of said barrel for scrubbing the entire exposed surface of said end upon one revolution of such barrel on its axis, said brush being movable axially of its axis of rotation toward and away from said barrel, pneumatically actuated means connected with said brush for so moving said brush axially thereof toward said barrel during said rotation of said brush, valve and spring means associated with said pneumatically actuated means for respectively rendering the latter inoperative for so moving said brush toward said barrel and for moving said brush away from said barrel.

2,454,925

AUTOMATIC KEYHOLE LOCK COVER

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application March 2, 1945, Serial No. 580,506
12 Claims. (Cl. 70—455)



1. In a lock: a lock body having a bore opening to the front face of the body; a key controlled lock cylinder rotatable in the bore; a cover movably mounted on the lock body and engageable over the front face thereof to cover the front of the lock cylinder; a spring for yieldingly urging the cover to its closed position; retaining means for holding the cover in an open position providing access to the lock cylinder, said retaining means being movably carried by the lock body and operatively engaged with a part on the cover when the same is moved away from the front of the lock cylinder to uncover the same; and means for disabling said retaining means comprising, a cam rotatable with the lock cylinder and engageable with the retaining means upon rotation of the cylinder toward key removing position to carry the retaining means out of engagement with said part on the cover so as to free the cover for spring propelled motion toward its closed position.

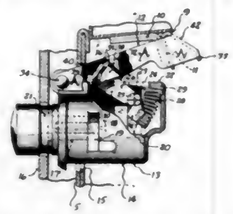
2,454,926

LOCK DEVICE FOR COMPARTMENT DOORS

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application April 6, 1945, Serial No. 586,879
13 Claims. (Cl. 70—81)

1. A lock device for compartment doors, comprising: a lock body; a U-shaped latch bolt pivoted at its open end from the forward end of the lock body and having opposite side arms embracing the lock body and extending rearwardly from said pivot; a lever carried by the lock body for pivotal motion on an axis parallel to the latch bolt pivot axis and near the rear of the lock body; a motion transmitting connection between the lever and the lock bolt such that pivotal motion of the lever in opposite directions is translated into pivotal motion of the latch bolt to carry the same to and from an operative position at which the closed end of the bolt engages behind a striker plate on the compartment; a spring re-



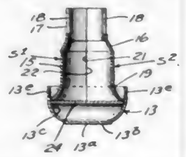
acting between the lock body and the bolt for yieldingly holding the latch bolt in an operative projected position; and means on the lock body operable through said lever for moving the latch bolt to a retracted inoperative position.

2,454,927

KNOB CONSTRUCTION FOR LOCKS

Ludwig J. Kalwo, Bronx, N. Y., assignor, by mesne assignments, to Keil Lock Co. Inc., Charlestown, N. H., a corporation of New Hampshire

Application February 2, 1945, Serial No. 575,921
5 Claims. (Cl. 292—347)



5. A knob construction for latches which has a hand gripping end and a bearing end comprising a plurality of independent, identical sheet metal stampings complemental to each other along their longitudinal axes, bent to an arcuate, semi-tubular shape, said stampings having abutting side edges and forming, when assembled, a hollow shank which at one end is tubular in cross section, the end edges at the other end falling in substantially a single plane, and a cap element on said last mentioned end having a peripheral flange portion encasing said end edges of said stampings and by which said stampings are held against separation from each other and against relative displacement, and a collar engaging the shank adjacent the first end and cooperating with the cap element to restrain separation in rotation in the bearing.

2,454,928

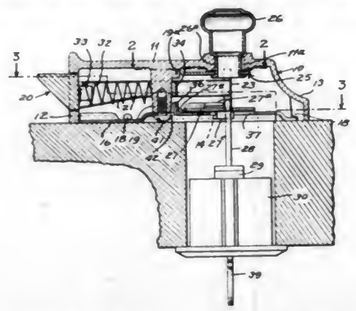
LOCK CONSTRUCTION

Ludwig J. Kalwo, Bronx, N. Y., assignor, by mesne assignments, to Keil Lock Co. Inc., Charlestown, N. H., a corporation of New Hampshire

Application February 2, 1945, Serial No. 575,922
4 Claims. (Cl. 292—169)

4. A lock construction comprising a casing having a bolt movable into and out of the casing and a spring biasing the bolt outwardly of the casing, abutment portions, and cam members operable selectively from each side of the casing to move the bolt inwardly of the casing and against said spring biasing whereby said spring reacts upon said cam members so that at least a portion of the latter, when one of said cams is actuated to withdraw the bolt, moves into operable

relationship to one of said abutment portions, said abutment portions and said cam members having co-acting, inter-engageable parts comprising a member on one and a notch on the other forming a detent whereby, upon engagement of said parts, said cam and the bolt are held against movement, and means mounting said cam members for movement and for guiding them during movement to bring said cam portions into operative relation to one of said abutment portions,



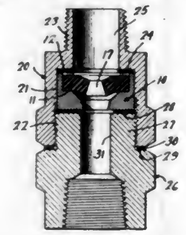
and providing sufficient looseness so that the reaction of said spring biasing upon one of said cam members effects bodily displacement of the cam and abutment portions relative to each other to bring said inter-engageable parts into inter-engagement and hold said bolt in retracted position, at least one of said cam members being connected to a connecting bar rotated adjacent one end by a key controlled plug and at its other end extending into said cam in keying engagement and with radial play.

2,454,929

FLOW CONTROL

Leslie A. Kempton, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application July 17, 1944, Serial No. 545,312
7 Claims. (Cl. 138—45)



1. A fluid control device for maintaining a substantially uniform fluid delivery rate including a seat member having a central opening therethrough, said opening being defined by at least one frusto-conical surface, and a resilient annular member seated on said member over said opening, said annular member having a central opening therethrough substantially aligned with said opening in said seat member, said frusto-conical surface of said seat member which defines at least a part of said seat member opening being arranged to diverge toward said resilient annular member and terminating adjacent said resilient annular member at a point spaced radially outwardly from said opening in said resilient annular member, the central portion of said annular member being deflectable by fluid pressure into the frusto-conical portion of said seat member opening whereby to increase the area of the end of the opening in said annular member at the seat and to decrease the opposite end of said opening.

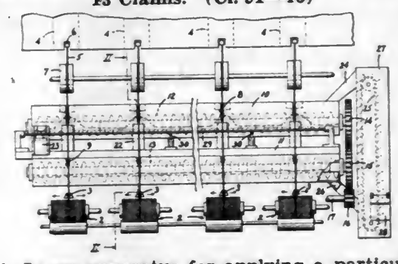
4. A fluid control device comprising a casing having a passageway therein, a shoulder in said passageway facing the inlet side of the passageway and extending radially inwardly from the side wall of the casing, an elastic member seated on said shoulder so as to extend radially toward the wall of said casing and having its outer periphery substantially radially confined beyond said shoulder so that the incoming fluid acts endwise against the member, said member having an orifice therethrough in a region of said member spaced inwardly of the radially inner edge of said shoulder to provide for flexing of the central portion of said member in a direction toward the outlet side of said passageway upon flow of fluid through said orifice, said shoulder being centrally recessed to receive the deflected central portion of said member, the opening in said member forming said orifice being enlargeable on the outlet side of the passageway and decreaseable in the area on the inlet side of the passageway upon deflection of said central portion in response to the pressure of the fluid acting endwise against said member.

2,454,930

APPARATUS FOR TREATING FILAMENTARY MATERIAL

William H. Kreamer, John C. Klingener, and Ernest K. Bauer, Meadville, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application September 15, 1945, Serial No. 616,582
13 Claims. (Cl. 91—46)



1. In an apparatus for applying a particulate material to a traveling strand, a container, screw conveyor means therein for propelling the particulate material longitudinally thereof, said means having a gap provided in the screw blading thereof whereby the material piles up to a higher level in the container adjacent said gap, and means for conveying a strand through the pile of material thus formed.

2,454,931

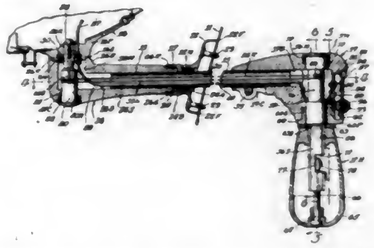
AUTOMOTIVE SPOTLIGHT

Raymond T. Larson, Park Ridge, Ill., assignor, by mesne assignments, to Arnolt Corporation, a corporation of Indiana

Application September 5, 1946, Serial No. 694,903
6 Claims. (Cl. 240—61.13)

1. In a universal spotlight, an elongated cylindrical mounting tube, means fixed at one end of said tube and affording a bearing, a lamp secured on said bearing for rotation on an axis perpendicular to the axis of said tube, a flexible cable operatively connected to said lamp for imparting rotation to said lamp and extended through said

tube, a handle base secured to the other end of said tube and having a transverse chamber formed therein and a longitudinal bore establishing communication between said tube and said transverse chamber, a stud having a central bore formed therethrough and having a cylindrical outer surface adjacent one end and a non-circular outer surface throughout at least a portion of the balance of its length, means forming part of said base and disposed at one end of said chamber to afford a first bearing for rotatably supporting said stud, a removably associated end wall for said



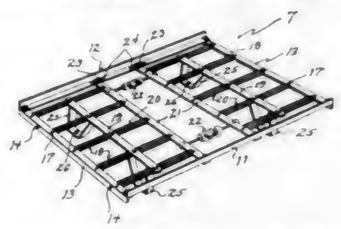
chamber affording a second bearing for said stud, means at said one end of said stud for limiting movement of the stud in one direction relative to said base, a hollow handle element surrounding and fixed to the other end of said stud in a rotatively inter-locked relation to said non-circular surface of said stud and acting against said end wall to hold said end wall in position and limit endwise movement of said stud in the other direction relative to said base, said stud having a transverse opening intersecting said longitudinal bore, and said cable being extended into said transverse opening and said longitudinal bore of said stud and into said hollow handle, and means disposed in said hollow handle and adjustably fixing said cable to said stud.

2,454,932

SPRING SUPPORTED ROCKING CHAIR

Walter J. La Valliere, Sheboygan, Wis.

Application November 7, 1946, Serial No. 708,231
6 Claims. (Cl. 155—50)



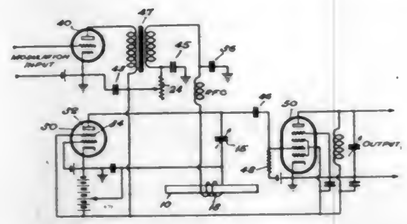
5. A spring suspension for rocking chairs of the type having a leg structure and a chair structure resiliently supported thereon, comprising: a rigid frame having front, rear, and side rails; means for securing said frame to one of said structures; a pair of supporting bracket members lying within said rigid frame, each including a bar substantially parallel to an adjacent one of the side rails of the frame, and legs extending rigidly from the bar; means for securing said legs to the other of said structures; tension springs connecting each of said bracket members with the adjacent side rail of the frame; and means for maintaining said springs under tension.

2,454,933

FREQUENCY MODULATION

David G. C. Luck, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 17, 1943, Serial No. 476,145
11 Claims. (Cl. 179—171.5)



4. In a system as described, a magnetostrictive vibrator, a field winding in a circuit including a source of current for producing a magnetic field wherein said vibrator is located, an oscillation generator circuit the frequency of operation of which is controlled by said magnetostrictive vibrator located in said magnetic field produced by current in said field winding, a variable impedance effectively in the path of said current, and a source of control potentials associated with said impedance for varying the strength of the current in said field winding in accordance with said control potentials and correspondingly varying the instantaneous frequency of the oscillations generated.

2,454,934

ELECTRICAL OXYGEN VAPORIZER AND PROTECTING COVER

John A. Mathis and Roland W. Milan, Pinckneyville, Ill.

Application January 24, 1947, Serial No. 724,202
9 Claims. (Cl. 62—1)



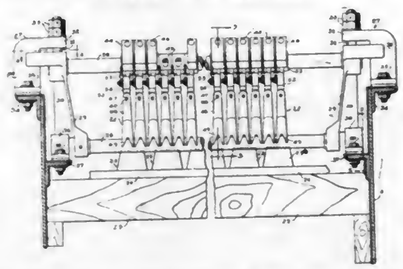
8. Apparatus for converting liquid oxygen and the like into gas comprising, a double wall insulating vessel for the liquid, said vessel being of generally spherical shape, an electrical heater element in said vessel, a thermostatic switch in said vessel adjacent said heater element, upper and lower cap members for the outer wall of said vessel, said cap members being provided with adjacent rim portions, a reinforcing cable interlacing said cap members around the rim portions thereof, a bracket upstanding from the top cap member, a warming tube connected to a gas outlet from said vessel, said tube being coiled about said bracket, gas pressure responsive switch means supported by said bracket, a relay supported by said bracket, circuit means connecting said switches for operation in series to control said relay, and circuit means for connecting said heater element through contacts on said relay to a source of power.

2,454,935

CONTINUOUS WIRE AND STRIP ELECTRO-PROCESSING MACHINE

Constantine G. Miller, Chicago, Ill., assignor to The Meaker Company, Chicago, Ill., a corporation of Illinois

Application June 27, 1945, Serial No. 601,837
1 Claim. (Cl. 204—209)



Apparatus for electroplating simultaneously a plurality of strips comprising a tank containing electrolyzing solution, a plurality of fixed soluble anodes in said solution, means for moving said strips through the solution, and means for maintaining a relatively constant distance between said strips and anodes, said last mentioned means comprising a frame including an upper and a lower rod extending in parallel relationship across said tank, said lower rod comprising a supporting member located beneath the strips and adapted to be located beneath the surface of the electrolyzing solution and supporting said strips in parallel relationship, said frame having means for adjusting said lower rod and the strips supported thereon toward said anodes as said anodes become smaller, a plurality of conducting fingers swingably mounted on said upper rod and yieldably held in contact with the strips, and an insulating sleeve mounted on each of said fingers, said means for maintaining a relatively constant distance between said strips and anodes including brackets mounted on the tank sides, vertically mounted screws and nuts mounted on said frame, said screws extending through said brackets and supported thereon, a pair of arms forming parts of said frame and extending downwardly on opposite sides of the tank and connecting together in rigid relationship said upper and lower rods for adjustably maintaining the position of said frame, including said lower rod, and guides on the opposite vertical sides of said tank for guiding said pair of arms, said lower rod and said conducting fingers and for opposing the frictional drag of said strips on said fingers and lower rod, said arms serving to maintain the proper distance between the lower ends of said fingers and said lower rod.

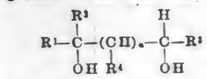
2,454,936

PROCESS FOR PREPARING UNSATURATED ALCOHOLS

Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application January 22, 1944, Serial No. 519,346
3 Claims. (Cl. 260—642)

2. In a process for preparing a mixture of organic compounds comprising a greatly preponderant proportion of isomeric monohydric unsaturated alcohols and a lesser proportion of the corresponding dienes, the steps which comprise adding a relatively small but effective percentage of water not substantially exceeding about 10 per cent by weight to an aliphatic dihydric alcohol of the following structural formula:



in which R^1 and R^2 are alkyl radicals, R^3 and R^4 are selected from the group consisting of hydrogen and alkyl radicals and n is an integer from 1 to 4 inclusive, adding thereto a dehydration catalyst selected from the group consisting of p-toluenesulfonic acid, iodine, aniline hydroiodide and hydrogen iodide, rapidly distilling the mixture, condensing the distillate whereby a water layer and an oil layer are formed, continuously returning the water layer to the distillation vessel throughout the distillation process, while collecting the oil layer, and recovering the isomeric monomeric monohydric unsaturated alcohols.

2,454,937

PROCESS OF TREATING GLYCERIDE OILS WITH ACTIVATED MAGNESIUM OXIDE

Wendell W. Moyer and Ralph A. Marmor, Decatur, Ill., assignors to A. E. Staley Manufacturing Co., Decatur, Ill., a corporation of Delaware

No Drawing. Application August 5, 1944, Serial No. 548,304
7 Claims. (Cl. 260—427)

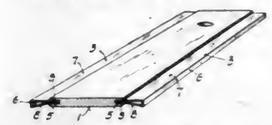
1. The process of treating glyceride oil, which comprises mixing said oil with activated magnesium oxide prepared by heating hydrated magnesium oxide for about three hours at a temperature lying within the range of about 350° C. to about 500° C. to stabilize the oil against reversion characteristics, and thereafter separating said oil from said magnesium oxide.

2,454,938

EDGE FOR T-SQUARE AND THE LIKE

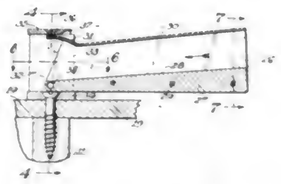
James Nash, Milwaukee, Wis., assignor to Eclipse Moulded Products Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 2, 1944, Serial No. 547,654
4 Claims. (Cl. 33—112)



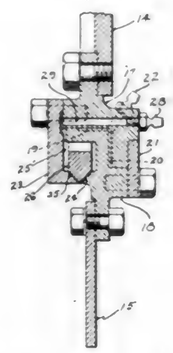
4. In a T-square or the like for use on drafting surfaces, a body strip having a horizontal longitudinally extending groove in its edge face, and a generally flexible edge member secured in said groove and extending outwardly therefrom, said edge member gradually tapering in thickness from a lesser cross-section at the inner longitudinal portion to a greater cross-section at the outer longitudinal portion for insertion of the inner portion in said groove and to provide flexibility of the edge at the mouth of said groove, the outer lower corner of said edge member extending lower than the bottom of the strip to effect initial contact of the edge with the drafting surface before the strip touches the same to load the edge and maintain tight contact with the drafting surface, and the tapered shape and flexibility of the edge at the mouth of said groove disposing the outer face of the edge on a vertical plane substantially at right angles to the drafting surface after the strip touches the same and the edge is loaded.

2,454,939
COIN AND DISK PROJECTOR FOR AMUSEMENT DEVICES
Raymond S. Oakes, Brookfield, Ill.
Application April 11, 1946, Serial No. 661,428
3 Claims. (Cl. 273—129)



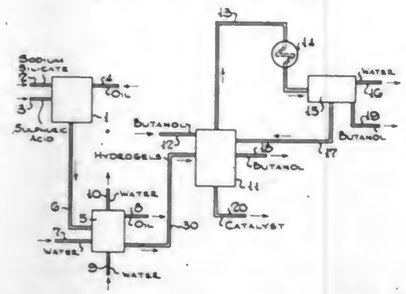
1. As an article of manufacture, a coin propelling device comprising a drum provided with a through slot, means for supporting said drum for rotation about a vertical axis, and a coin chute having a slanting runway secured at one end in said slot for pivotal movement about a horizontal axis intersecting said vertical axis.

2,454,940
SEAL FOR CHUTES OF CONCRETE MIXERS
Harry C. Peters, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 27, 1946, Serial No. 686,633
8 Claims. (Cl. 259—161)



1. A closure for the mouth of a rotatable concrete mixing drum, including a non-rotatable part covering the central portion of the mouth of the drum, an annular rotatable part surrounding the non-rotatable part and engageable with the edge of the drum, and a bearing between said parts permitting free rotation of the rotatable part relative to the non-rotatable part, characterized by the provision of: a seal located between the bearing and the inside of the drum to prevent the passage of grout and liquid to the bearing from inside the drum, comprising adjacent annular surfaces on the rotatable and non-rotatable parts shaped to form an annular groove having diverging sides and opening radially inwardly; and an expanding spring ring in said groove maintained in contact with the diverging sides thereof by its own inherent resilience.

2,454,941
DRYING HYDROGEL CATALYSTS BY DISTILLING WITH BUTANOL
Jerry A. Pierce and Charles N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 25, 1944, Serial No. 523,938
6 Claims. (Cl. 252—254)



1. Process for preparing dry adsorbent gels from hydrogels which comprises mixing said hydrogel with normal butanol, distilling the water from said hydrogel as an azeotrope with said butanol at least until the particles are no longer capable of agglomorating and removing the butanol from the dehydrated hydrogel.

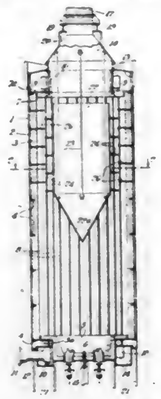
2,454,942
PREPARATION OF SPHERICAL ADSORBENT PARTICLES
Jerry A. Pierce and Charles N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 23, 1944, Serial No. 550,863
16 Claims. (Cl. 252—273)

4. An improved process for preparing spherical particles of a natural adsorbent which comprises dispersing finely divided natural adsorbent and a hydrosol in a partially water-miscible liquid, agitating the dispersion until the hydrosol sets to a hydrogel to form spherical particles of gel and adsorbent and removing the particles from the liquid.

2,454,943
HEATER FOR HYDROCARBON FLUIDS
Carl S. Reed, New York, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application July 17, 1945, Serial No. 605,612
4 Claims. (Cl. 196—116)

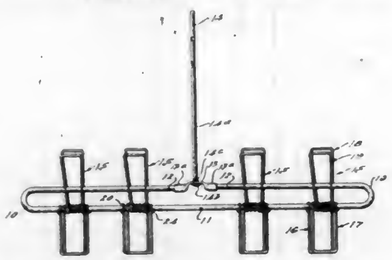
1. A heater for a hydrocarbon fluid comprising a furnace chamber, substantially parallel heating tubes arranged over the inner surface of a wall of said chamber, burner means disposed to conduct combustion within a region of the chamber adjacent one portion of the length of said tubes for radiant heating thereof, a deflector disposed inwardly of the tubing and having a wall in opposed face-to-face relation to said chamber wall and overlying another length portion of the tubes, said deflector being constructed and arranged to direct the products of combustion between said walls for convection heating of the portion of the tubes therebetween, a set of transversely spaced concurrent baffles oblique with respect to the tubes extending laterally outward from said deflector wall and having notches

at their outer edges receiving the inner portion of the periphery of the respective tubes, a set of baffles spaced similarly to the first-mentioned baffles and similarly oblique extending laterally inward from said chamber wall and having notches at their inner edges receiving the outer



portion of the periphery of the respective tubes, said sets of baffles together defining a plurality of oblique concurrent channels for flow of the combustion products therethrough, and the tubes extending across said channels in the paths of the combustion products therein.

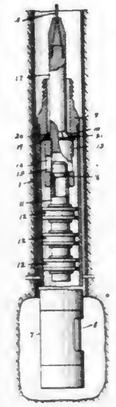
2,454,944
GARMENT HANGER
Harry E. Reynolds, Detroit, Mich.
Application May 2, 1945, Serial No. 591,444
7 Claims. (Cl. 223—85)



1. A garment hanger comprising a supporting frame including a wire member, and one or more garment clips mounted on said member, each clip comprising a pair of cooperating garment gripping portions depending from said member and a pair of finger gripping portions extending upwardly from said member, said clip being formed from a single length of wire and having a plurality of spring coils at the juncture of said pairs of garment and finger gripping portions through which said member extends.

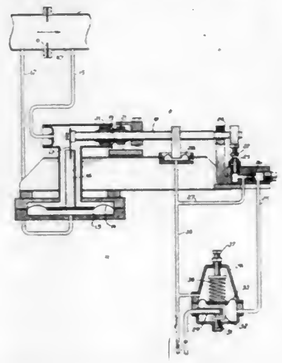
2,454,945
BAILER
John M. Reynolds, Shreveport, La.
Application September 9, 1944, Serial No. 553,428
3 Claims. (Cl. 166—19)

1. A bailer comprising, a barrel having an entrapping chamber provided with entrapping means at its inlet, a plunger reciprocable in said chamber and adapted upon reciprocation to draw a load into the chamber and cause the liquid therein to be expelled therefrom to thereby induce inflow into the chamber past the entrapping means, a valve seat at the upper end of the chamber against which the upper end of the plunger may seat, said bailer having a restricted



liquid passageway between the seat and upper end of the plunger when said end is seated against said seat, an annular valve on, and movable with, the plunger and having its free margin flexible for closing said passageway and retaining in the chamber at least a substantial portion of the pressure existing in the well in which the bailer may be lowered to be subsequently utilized to facilitate unloading said chamber.

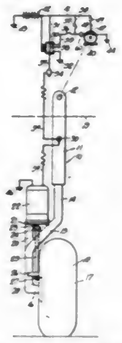
2,454,946
PRESSURE TRANSMITTING INSTRUMENT
Albert J. Rosenberger, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application March 22, 1944, Serial No. 527,525
5 Claims. (Cl. 137—153)



5. A pressure transmitting instrument comprising a control valve for producing a regulated control fluid pressure, means responsive to a condition to be measured to control the valve, a supply connection to the valve, a restricted orifice in the supply connection, and a regulating device in the supply connection anterior to the orifice connected to the control valve to vary the pressure

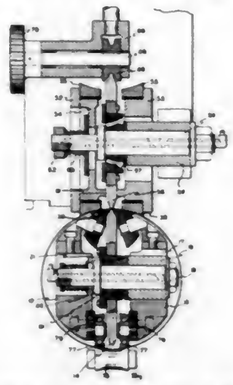
delivered to the orifice, the regulating device being responsive to the control fluid pressure and the delivered pressure to maintain a constant differential therebetween.

2,454,947
WHEEL STARTER
John F. Schroeder, South Bend, Ind.
Application November 16, 1944, Serial No. 563,650
13 Claims. (Cl. 244—103)



1. In combination, an aircraft strut including a cylinder and a shaft projecting longitudinally from and shiftably carried by said cylinder, an aircraft wheel carried by said shaft, a bracket carried by said shaft, a motor mounted on said bracket, and a driving connection between said motor and said wheel, said wheel being aligned with said strut cylinder and said strut shaft being laterally off-set and supporting said bracket at said off-set, said driving connection including a drive shaft connected to said motor by a sheer coupling and journaled in a bearing carried by said strut shaft, a gear pinion on said drive shaft, and a ring gear on said wheel in mesh with said pinion.

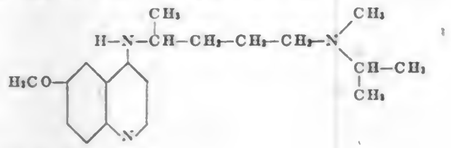
2,454,948
ELECTRIC RESISTANCE SEAM WELDING APPARATUS
Clifford S. Seltzer, Warren, Ohio, assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application September 15, 1944, Serial No. 554,324
11 Claims. (Cl. 219—6)



1. In apparatus for side seam welding of tubular can bodies moving in succession along a predetermined path the combination of a welding horn of current conductive material positioned in said path and onto which pre-formed but unwelded can bodies are moved, a welding wheel electrode journaled in the rear end portion of said horn and adapted to have rolling contact with the inner surface of the can bodies as the latter traverse said horn, means anchoring said horn against longitudinal movement comprising a current-conductive support connected to and extending radially outward of the opposite end of said horn, means to propel can bodies to be welded onto and along said horn in succession with the unwelded longitudinal edges thereof passing on opposite sides of said support, an external welding wheel electrode opposing said first mentioned welding wheel electrode, means to rotate and apply welding pressure through said external wheel electrode, and means to rotate said first mentioned wheel electrode comprising a driving shaft extending through said support radially into said horn.

2,454,949
4-DIALKYLAMINOALKYLAMINO-6-METHOXYQUINOLINE
Horace A. Shonle and Arthur M. Van Arendonk, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application April 1, 1944, Serial No. 529,186
1 Claim. (Cl. 260—288)

The new antimalarial comprising the compound having the following general formula



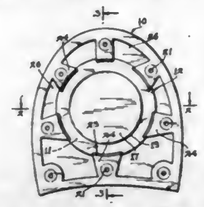
and its salts.

2,454,950
STABILIZED CELLULOSE ACETATE
William John Simpson and Donald Finlayson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 6, 1946, Serial No. 688,706. In Great Britain August 21, 1945
4 Claims. (Cl. 106—182)

1. A composition of matter consisting essentially of cellulose acetate and, to reduce the destructive action of ultra violet light on the cellulose acetate, from 1–10% of the di-ester, of resorcinol, with a monohydroxy-monocarboxylic acid in which the hydroxyl group and the carboxyl group are directly attached to a nucleus selected from the group consisting of benzene nuclei and naphthalene nuclei.

2,454,951
SPRING HEEL FOR FOOTWEAR
Herbert H. Smith, Bay Shore, N. Y.
Application July 21, 1947, Serial No. 762,387
5 Claims. (Cl. 36—35)

1. A spring heel arrangement comprising a heel formed of resilient material, a recess within the heel having its bottom closed to provide at the bottom of the recess a body of resilient material adapted to be compressed inwardly within the recess as the shoe is worn and weight placed upon the shoe heel, a spring arrangement disposed within the recess and adapted to be compressed as the shoe is worn, means for securing the heel to a shoe bottom, said spring arrangement comprising two plates and a coil spring extended between the two plates, the plate in the open end of the recess being connected to the side wall of the recess whereby to temporarily retain the spring arrangement within the resilient heel material at least until the heel has been secured to the shoe, said plate adapted to engage with heel material portions, said portions overhanging the top of the recess and being spaced around the recess, said plate being a circular disc of uninterrupted circularity around its periphery, there being minor recesses in the top of the heel beyond the spring receiving recess, said minor recesses spaced around the last-named recess in alternation with said overhanging heel material portions.



2,454,952
MEASUREMENT OF CORROSIVE CHARACTERISTICS OF THE SOIL
Robert L. Starkey, New Brunswick, N. J., and Kent M. Wight, Philadelphia, Pa., assignors to American Gas Association, Inc., New York, N. Y., a non-profit membership corporation of the State of New York
Application April 12, 1946, Serial No. 661,566
1 Claim. (Cl. 204—195)



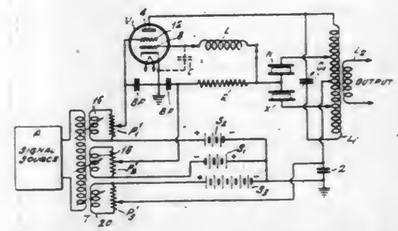
In apparatus for testing wet sub-surface soils to determine the pH and E_h values thereof, an elongated tube normally closed at one end which is substantially pointed so as to be adapted to be pushed into the earth to the depth at which the soil is to be tested, an assembly of electrodes mounted within said tube adjacent said end, one of said electrodes being of a reference half cell type, a second being of a pH responsive type and a third being formed of platinum, connections to said electrodes running up through the tube for connection of said first and second electrodes and said first and third electrodes to potential measuring apparatus to obtain readings indicative respectively of the pH and E_h values of the soil, said tube being formed with a lateral opening adjacent said end for admitting earth therein to surround said electrodes, and closure means for said opening comprising a tube surrounding said first mentioned tube and being formed with an aperture adjacent said opening, and also being rotatable from its upper end to permit bringing its aperture into register with said opening after the device has been pushed into the earth, whereby the soil may then enter and surround said electrodes, said tubes at least at the portions thereof adjacent said electrodes being formed of insulation material.

2,454,953
SAW FITTING DEVICE
Thomas Stennitt, Lansdowne, Ontario, Canada
Application June 16, 1947, Serial No. 754,989
5 Claims. (Cl. 76—46)



1. A saw fitting tool comprising a metal block having a plane upper surface and a marginal bevelled surface at each end of the block in contiguous relation to said upper surface, said bevelled surfaces being at different degrees of angularity, a channel member having flat parallel legs and a web connecting said legs, and means removably securing the channel member to a lateral face of said block in longitudinally arranged relation thereto with the free ends of the legs in upwardly disposed position, the outer surface of one of the legs being in abutting relation to said lateral face.

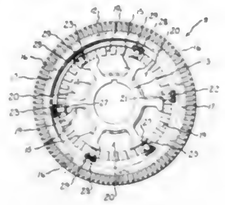
2,454,954
FREQUENCY MODULATION
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 16, 1944, Serial No. 535,828
9 Claims. (Cl. 179—171.5)



1. A signalling system comprising a wave generator of the type wherein an electron discharge device has an anode, a cathode, and a control grid coupled regeneratively, for the generation of oscillations, by a tank circuit including reactance between the anode and control grid with a point on the reactance coupled to the cathode of the device, an inductance in series in the connection between the first mentioned reactance and the control grid of the device, said inductance being of a magnitude substantially equal to the reactance of the capacity between the control electrode and cathode of the device with respect to voltages of the frequency of the generated oscil-

iations, an additional control electrode in said device, connections to said control grid for modulating the current through the tube in accordance with signals to correspondingly vary the phase of feedback and the frequency of the oscillations generated, and connections to said additional control grid for applying control potentials thereto in phase opposition with respect to the control potentials applied to said control grid to prevent undesired amplitude modulation of the generated oscillations.

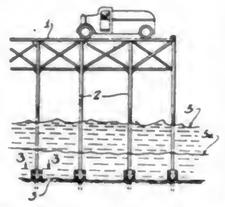
2,454,955
ROTOR FOR ELECTRIC MOTORS AND METHOD OF MAKING THE SAME
Theodore R. Wieseman, Milwaukee, Wis., assignor to The Louis Allis Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 7, 1947, Serial No. 753,155
6 Claims. (Cl. 171—252)



1. A rotor for electric motors comprising a spider having a hub and radially outwardly projecting angularly spaced arms, the outer end surfaces of which are equi-spaced from the rotor axis; a stack of annular laminations encircling and mounted upon said spider arms with the inner peripheral portions of the laminations seated on the outer end surfaces of the arms, said inner peripheral portions of the laminations having a multiplicity of angularly spaced notches with the spacing therebetween considerably less than the angular spacing between the spider arms; one of said spider arms having a keyway in its outer end; a key seated in said keyway and received in one of said notches of each of the laminations whereby said key aligns the notches of all of the laminations; a key received in aligned notches opposite each of said spider arms, said other keys being seated upon the outer end surfaces of the spider arms; and welding securing each of said other keys to its respective spider arms so that said other keys coact with the first named key to secure the stack of laminations against turning with respect to the spider.

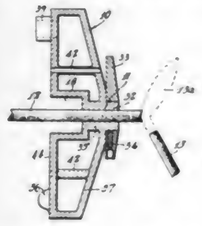
2,454,956
SYSTEM FOR CORROSION PROTECTION
Garth L. Young, Los Angeles, Calif., assignor to Signal Oil and Gas Company, Los Angeles, Calif., a corporation of Delaware
Application June 21, 1944, Serial No. 541,414
7 Claims. (Cl. 204—197)

1. A system for protection of steel members against localized corrosion of said members under local stress, which comprises a structural steel member immersed in sea water, which member is subjected to stress at an area of the surface of said member immersed in said water, a structural steel envelope enveloping said area and directly connected electrically with said stressed members, which envelope is relatively unstressed and adapted to permit the formation of a quiescent cell of said water between said envelope and said member when said system is immersed in sea



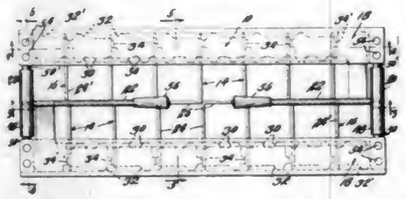
water, said quiescent cell being at said stressed area.

2,454,957
WATER-COOLING JACKET
Ernest Fredrick Zimmerman, Orange, Calif., assignor of one-half to John P. Filbert, Los Angeles, Calif.
Application August 4, 1947, Serial No. 765,871
4 Claims. (Cl. 176—119)



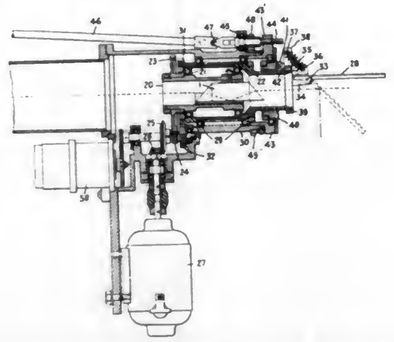
1. An electrode holder of hollow wall construction arranged for the passage therethrough of cooling fluid, said holder having a central position through which an electrode is arranged to pass, said holder having a fluid inlet opening with a wall adjacent thereto to direct a stream of cooling fluid around said central position with a swirling movement.

2,454,958
ICE TRAY
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 5, 1946, Serial No. 659,959
13 Claims. (Cl. 62—108.5)



12. A grid for dividing an ice cube tray into compartments, said grid comprising a flexible, vertical partition and members connected to the upper part of said partition at points spaced therealong and projecting horizontally from the top of the partition, said members being movable to flex said partition by the application thereto of opposed forces parallel to but displaced laterally from the partition.

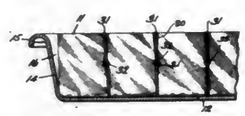
2,454,959
OPTICAL APPARATUS FOR SHOWING ROTATING PARTS AT REST
Norman F. Barnes, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 18, 1946, Serial No. 648,428
1 Claim. (Cl. 88—14)



Apparatus for continuously producing a stationary image of a revolving object comprising apparatus having an image revolving prism mounted for rotation on its image revolving axis, a mirror for reflecting an image of an object at one side of said axis along said axis so that the same may be observed through the prism, a motor for revolving both the prism and the mirror on said axis, with the mirror revolving at twice the speed of the prism, a synchronous motion transmitting system including a Selsyn device driven by said motor and a Selsyn device adapted to be driven by the rotating object, and a differential Selsyn device electrically connected in said system between the first two mentioned Selsyn devices, speed control means for said motor for obtaining a predetermined speed relation between said mirror, prism and rotating object such that the image of the rotating object as reflected by said mirror and observed through said prism will appear stationary, said speed control means including a phase angle responsive electronic controller for said motor which controller is responsive to changes in phase relation detected by said synchronous motion transmitting system when said speed relation departs from said predetermined relation, said differential Selsyn having a pair of relatively rotatable normally stationary windings through which the motion transmitting system is inductively coupled, and means for adjusting the relative rotary positions of said windings for the purpose of shifting the angular rotative relation between said mirror and rotating object.

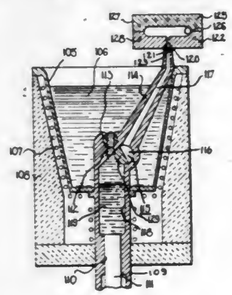
2,454,960
ICE TRAY
Harrison C. Berkeley, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 3, 1944, Serial No. 543,331
8 Claims. (Cl. 62—108.5)

1. A unitary molded plastic freezing tray, comprising: an integrally molded container pan and a longitudinal partition having its bottom edge molded to the pan bottom but having its end edges substantially detached from the end walls of said pan whereby to increase the flexing distortability of this integrally molded unit, a series of spaced separate cross partitions intersecting said longitudinal partition and retained substantially in normal freezing position by an interlocking relationship therebetween and thereby



forming a unitary pan and grid structure, the edges of said cross partitions being movable relative to the adjacent pan walls whereby to increase the distortability of the unitary pan and grid structure to facilitate the removal of the frozen ice blocks by manual flexing.

2,454,961
METHOD AND APPARATUS FOR CASTING ALUMINUM
Morris F. Booth, Alden, Mich.
Application June 7, 1943, Serial No. 489,929
11 Claims. (Cl. 22—70)

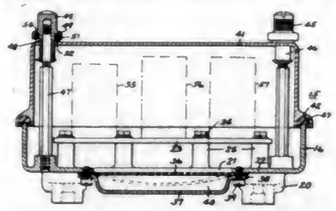


8. An apparatus for die casting that includes, a metal pot for holding a supply of molten die casting metal, means forming a chamber having a portion thereof disposed within the metal pot, an inlet passage in said chamber forming means through which molten metal from said pot can pass into said chamber, valve means for opening and closing said passage means, a discharge spout extending from said chamber, valve means in said discharge spout for opening and closing the same, a body of molten metal within the lower portion of said chamber having a lower melting temperature than said casting metal which is floated thereupon upon opening of said inlet valve, and plunger means reciprocable in said chamber for applying pressure upon said low temperature metal to transfer casting metal from said chamber through said spout into a mold adapted to be associated therewith and carry said low temperature metal into said spout to fill the same when casting said casting metal within a mold cavity.

2,454,962
CONTAINER FOR ELECTRICAL APPARATUS
James V. Brown, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 10, 1944, Serial No. 530,413
4 Claims. (Cl. 174—18)

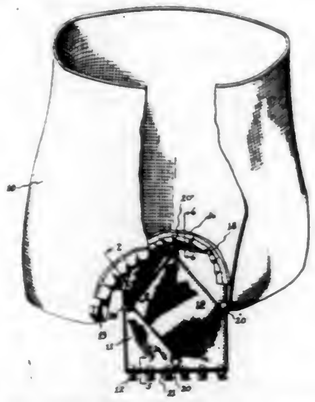
1. A container for enclosing hermetically an electrical device therein comprising, a pair of

cup-shaped members removably secured to each other and in hermetically sealed relation to form a large chamber, one of said members having an opening in its bottom wall and having apertures in one of its side walls; terminals extending through the apertures and connected with the device supported within the chamber; resilient nonporous insulating material between the terminals and the marginal walls of each aperture to insulate each terminal from the said member and also to seal hermetically the spaces between each terminal and the member to prevent fluid from passing through the apertures; a flat non-porous yieldable diaphragm closing the opening; a deformed plate detachably secured to the bottom



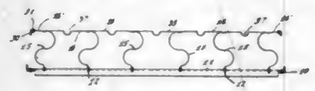
wall of the specified one member for clamping the peripheral edge of the diaphragm between the bottom wall to close the opening and forming a sealed joint thereabout and at the same time forming a small chamber with air trapped therein between the diaphragm and plate, said diaphragm adapted to move into the small chamber and compress the trapped air therein when air trapped within the large chamber expands, due to heat, and thereby prevent the trapped air in either chamber from passing through any of the sealed joints and also prevent outside fluid from entering the chambers through any of the sealed joints when the air within the large chamber contracts.

2,454,963
UNDERGARMENT CONSTRUCTION
Ida Combs, Philadelphia, Pa.
Application June 8, 1946, Serial No. 675,427
2 Claims. (Cl. 2—43)



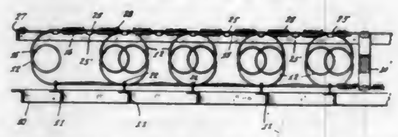
1. In an undergarment of the panty girdle type having an elastic trunk portion, an elastic crotch stitched to the lower rear edge of the trunk portion, a plurality of fabric loops stitched arcuately around the lower front edge of the trunk portion, a plurality of hook fasteners attached to the front edge of the crotch and adapted to engage the loops, a washable fabric insert adapted to be secured to the elastic crotch, a plurality of fabric loops on said crotch, a plurality of hook fasteners on the insert adapted to be secured in said last-mentioned loops to retain the insert in position on the crotch, a length of fabric material stitched on the inside of the trunk portion, and a corresponding length of fabric material stitched to the outside of the front portion, said fabric length adapted to overlie and enclose the fasteners for the crotch and trunk.

2,454,964
BED SPRING
Charles J. Elder, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana
Application July 20, 1944, Serial No. 545,770
7 Claims. (Cl. 5—247)



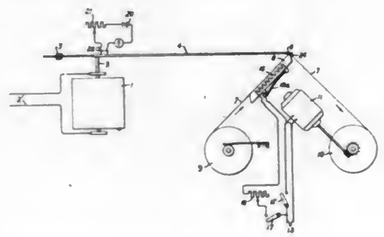
1. A bed spring, comprising a generally rectangular base frame, a plurality of rows of spring elements having their lower ends secured to said base frame, each of said elements being formed of flat spring stock bent into a general S shape, an open, generally rectangular border frame disposed over said base frame, the upper end of each spring element at each end of each row being provided with an integral extension disposed substantially in the plane of the border frame and secured to the adjacent side of said border frame, each of the remaining elements of each row being provided with an integral extension projecting toward the adjacent side of the border frame and secured to the upper end of the next element in the same row, a strip of spring stock interconnecting the upper ends of the middle pair of elements in each row, resilient means connecting said element-extensions and strip of each end row of elements to the adjacent end of the border frame, and resilient means interconnecting the element-extension and strips of adjacent rows of elements.

2,454,965
BED SPRING
Charles J. Elder, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana
Application September 1, 1944, Serial No. 552,283
5 Claims. (Cl. 5—247)



1. In a bed spring, a base frame, a plurality of spring elements mounted on said base frame, each of said spring elements being formed of wire bent to provide an upper stretch and end stretches each including at least one helical turn, the upper stretches of said elements being substantially coplanar, and flexible means connecting such upper stretches with each other, said elements being arranged in parallel rows with their upper stretches extending transversely of the rows, said base frame being provided with element-supporting members extending parallel to the rows of spring elements and provided in their upper edges with alined T-shaped slots, each of said elements including two juxtaposed lower stretches extending between adjacent ones of said members and disposed in the T-slots therein, each of said lower stretches being provided at its end with an open eye disposed in a horizontal plane and terminating in a reversely bent hook, each of said hooks being disposed in a T-slot and the two lower stretches of the element crossing each other between the two adjacent supporting members.

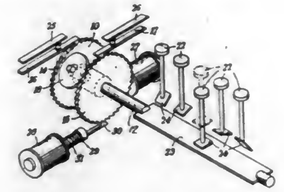
2,454,966
HEATED STYLUS INKLESS RECORDER
Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application February 14, 1947, Serial No. 728,554
6 Claims. (Cl. 346—112)



1. Recording apparatus comprising a recording platen having a relatively sharply rounded straight edge, means for supporting a recording sheet over such edge such that the record sheet is bent thereover, a recording arm having a stylus resting lightly on the record sheet only at such bent portion, said stylus being heated and having a straight edge record sheet contacting surface at approximately right angles to the first-mentioned straight edge and a recording motion generally transversely of the record sheet opposite the straight edge of said platen, the record sheet having a paper backing of one color and a recording surface of a contrasting color, such surface being of such character as to be softened by heating, and means in addition to the stylus for heating such recording surface which is in contact with the recording stylus sufficiently to soften such surface to permit its removal by the transverse recording motion of the stylus at the point of contact sufficiently to render visible the paper backing as a record.

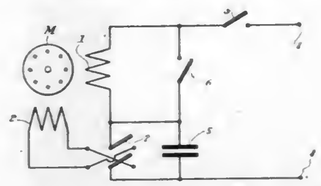
2,454,967
ELECTRIC SELECTIVE SIGNALING SYSTEM
Leslie Richard Frost, Southampton, England
Application January 8, 1947, Serial No. 720,841
In Great Britain June 6, 1944
5 Claims. (Cl. 177—353)

1. A mechanism, operable at will to function either as a sender or as a receiver for an electric selective signalling system of the kind specified, and comprising a differential gear, having two coaxial sun wheels and a planet wheel meshing with both of said sun wheels and mounted for bodily rotation about the common axis of the sun wheels, the planet wheel being coupled to the control element so as to be moved forwardly or in a reverse direction in relation to the sun wheels according to the movement of the control element, a set of keys or equivalent manipulative members operatively connected to the control element, each key serving, when operated, to move the control element to a definite position allotted to that key, means associated with the sun wheels for constraining them, on movement of the planet wheel as aforesaid, to execute a relative rotation which is determined in direction and extent by the direction and extent of said movement of the planet wheel, and a two-way



electrical unit which is effective on the one hand, in response to actuation of the setting means aforesaid, to produce a variable signal for actuating the distant receiver which is representative of the direction and extent of said relative rotation of the sun wheels, and on the other hand to produce, in response to a signal received from a distant sender, relative rotation of said sun wheels which is determined as regards both direction and extent by said signal.

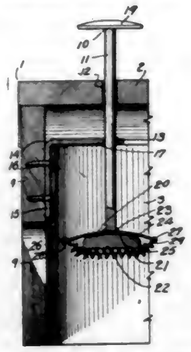
2,454,968
SINGLE-PHASE INDUCTION-MOTOR CONTROL SYSTEM
Harry B. Fuge, Somerville, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 13, 1945, Serial No. 604,961
9 Claims. (Cl. 318—203)



1. In a system of motor control, an alternating current supply circuit, an induction motor having two angularly-displaced stator windings connected in series circuit across said supply circuit, dephasing means connected in shunt with one of said windings, and means for selectively shunting said other and normally unshunted one of said windings with a low impedance path whereby to effect braking of said induction motor.

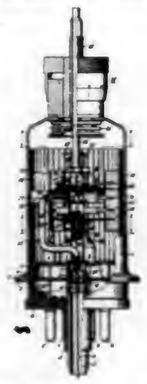
5. In a motor control system, an induction motor having series-connected stator windings with inclined axes, means for reversing the connections of the first one of said windings with respect to the other one, reactance means disposed in shunt circuit relation with the first one of said windings, a source of single phase electrical energy, first switch means for connecting and disconnecting said series-connected windings across said source, and second switch means for connecting and disconnecting a low impedance shunt path around the normally unshunted one of said windings.

2,454,969
FOOTREST AND PEDAL EXTENSION
Philip Kaufman and Reyn Stovall, Kansas City, Mo.
Application October 7, 1946, Serial No. 701,770
3 Claims. (Cl. 84—232)



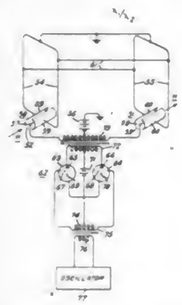
1. In a device of the character described, a footrest having a top supported by front and side walls with one of the side walls provided with an opening for providing access to a pedal of a piano, said top having an opening, a bracket having a bearing opening, means for attaching the bracket to said rest with the bearing opening registering with the opening in said top, a stem slidably supported in said openings, a foot-engaging head on said projecting end of the stem, a pedal engaging head on the other end of said stem adapted to extend transversely across the pedal, and a coil spring adapted to engage the underside of the pedal and having ends connected with ends of said pedal engaging head for frictionally gripping the pedal therebetween.

2,454,970
ULTRA HIGH FREQUENCY ELECTRIC DISCHARGE DEVICE
James M. Lafferty, Colonie, N. Y., assignor to General Electric Company, a corporation of New York
Application October 16, 1943, Serial No. 506,501
12 Claims. (Cl. 315—5)



1. An ultra high frequency electric discharge device of the velocity modulation type comprising an enclosing metallic envelope, a cylindrical heat conducting member disposed within said envelope and in thermal contact therewith at a plurality of points, a disk-type anode structure supported by and in thermal contact with said cylindrical member, said anode structure including a centrally located, apertured cavity resonator, a thermionic cathode positioned below said anode structure, a disk-type repelling electrode positioned above said anode structure, and a plurality of insulating members hermetically sealed to all said electrodes supporting said cathode and said repelling electrode from said anode structure in spaced relation therewith.

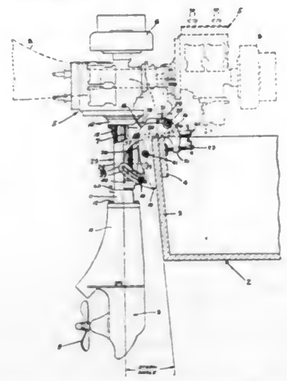
2,454,971
FREQUENCY MODULATION
Robert V. Langmuir, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 22, 1946, Serial No. 671,460
4 Claims. (Cl. 332—5)



2. Apparatus for generating an alternating electrical potential of variable frequency comprising a pair of oscillators each adjusted to oscillate at a different characteristic frequency when isolated from the other, mutual coupling means for coupling the electromagnetic fields of said oscillators whereby the mutual interaction of said fields causes said oscillators to oscillate at a common frequency, power means for imposing an energizing voltage on each of said oscillators, and control means for varying the relative amounts of power in each of said oscillators whereby said common frequency may be varied, said mutual coupling means having an intermediate value of mutual coupling such that said common frequency may be caused to vary continuously throughout a substantial range of frequencies, said control means including a source of alternating voltage and a push-pull amplifier for imposing said voltage upon said oscillators in push-pull manner whereby the voltage upon each of said oscillators varies between a maximum and a minimum value during each cycle of said alternating voltage with substantially 180 degree electrical phase displacement between the voltages upon each oscillator.

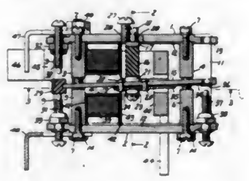
2,454,972
MOUNTING FOR OUTBOARD MOTORS
George W. Martin, Eau Claire, Wis.
Application January 20, 1945, Serial No. 573,768
9 Claims. (Cl. 248—4)

1. A mounting for outboard motors comprising a stern bracket, a supporting member pivoted on said bracket and adapted to receive and support an outboard motor, a rocker pivoted on the stern bracket at a point below said first mentioned pivot and located rearwardly of the boat transom, one end of said rocker being operatively connected to said supporting member, and a horizontal and forwardly extending control element carried by the stern bracket and connected to the opposite end of the rocker whereby when



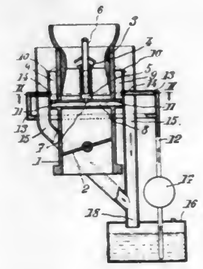
the control element is manipulated to impart pivotal movement to the rocker, pivotal movement is also imparted to the supporting member, whereby the stern angle of the outboard motor may be quickly varied without interrupting the operation of the outboard motor.

2,454,973
POLARIZED ELECTROMAGNETIC CONTROL DEVICE
Charles R. Mason, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application December 1, 1944, Serial No. 566,061
4 Claims. (Cl. 175—339)



1. A direct current electromagnet comprising two relatively thin substantially similar rectangular members each having two spaced pole pieces extending substantially perpendicularly from one face of the member near the ends thereof, means positioning said members substantially parallel with their respective pole pieces opposed and spaced to provide two predetermined air gaps comprising four bar-type permanent magnets mounted between said members adjacent the corners thereof to present like poles of one polarity to one of said members and like poles of opposite polarity to the other of said members, an armature of low retentivity magnetic material, means pivotally supporting said armature with its ends movable in the air gaps between said opposed pole pieces toward diagonally opposite pole pieces comprising a notched support secured to one of said members intermediate the pole pieces thereof and projecting in the same direction as the pole pieces, torsion spring means bridging the notch in said support and secured to said armature, means for canting said support relatively to said one member whereby to vary the armature position in which said torsion spring means is unstressed, and energizing winding means around said armature and between said members for controlling the movement of the armature in dependence on the direction of current flow in the windings and the position of the armature relatively to diagonally opposite pole pieces.

2,454,974
LIQUID DISTRIBUTING DEVICE
André Mennesson, Neuilly-sur-Seine, France, assignor to Société Anonyme Solex, Neuilly-sur-Seine (Seine), France, a society of the French Republic
Application March 1, 1945, Serial No. 580,439
In France September 23, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 23, 1961
10 Claims. (Cl. 261—36)

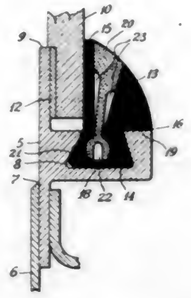


1. A device for maintaining a constant level of liquid in a chamber having a normally vertical axis irrespective of different inclinations thereof, which comprises, in combination with said chamber, at least two other chambers distributed at regular intervals and at the same distance around said axis and fixed with respect thereto, means for constantly feeding liquid to each of said second mentioned chambers, said second mentioned chambers having respective overflow edges all located in a plane at right angles to said axis, passages for connecting said second mentioned chambers with the inlet of said first mentioned chamber, said passages including calibrated orifices for controlling the rate of flow of liquid therethrough, said calibrated orifices having the same dimensions respectively so that the variations of the respective heads of liquid, on the inlet of the first mentioned chamber resulting from varying inclinations of the whole, compensate one another, so as to give a constant resultant head of liquid on said inlet.

2,454,975
WINDOW MOLDING
Perry H. Pelley, Wichita, Kans., assignor to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application April 5, 1946, Serial No. 659,761
7 Claims. (Cl. 189—78)

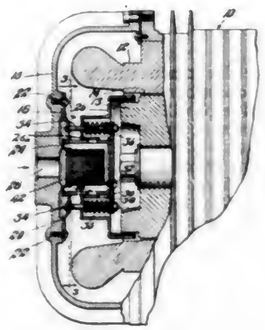
1. Window molding comprising a ductile retainer strip having a dovetail rib at the base of the same and a slot extending inwardly through the body of the strip and enlarged in a key cavity within said dovetail rib and a locking strip engageable in said slot and having an enlarged head portion at the inner edge engageable in inter-

locked relation in said cavity and said enlarged head portion at the inner edge of the locking strip



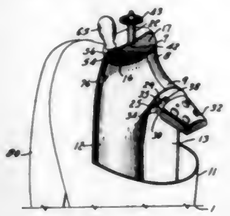
being split to collapse in being forced through the slot into said cavity.

2,454,976
COMPRESSOR LOAD PROTECTOR
Clyde E. Ploeger, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application September 7, 1946, Serial No. 695,452
4 Claims. (Cl. 230—24)



1. In combination a compressor, an electric motor for operating said compressor, a valve connected to said compressor for varying the load thereon, said valve being provided with a member constructed of magnetic material disposed within the magnetic leakage field of said motor to be attracted thereby for moving said valve in one direction, means opposing the attraction of the magnetic leakage field urging said valve in the opposite direction, the construction and arrangement being such that when the magnetic leakage field is of maximum intensity, as at the instant of starting the motor, the valve is moved in one direction to unload the compressor and as the motor approaches running speed the valve is moved in the opposite direction to load the compressor, thereafter during operation of the compressor the valve modulates between open and closed positions in accordance with the intensity of the magnetic field as reflected by the load on the compressor.

2,454,977
ADJUSTABLE SHOULDER SUPPORT FOR GARMENT FINISHING APPARATUS
John H. Richa and Frank E. Hanson, Kansas City, Mo.
Application March 10, 1947, Serial No. 733,575
15 Claims. (Cl. 223—70)



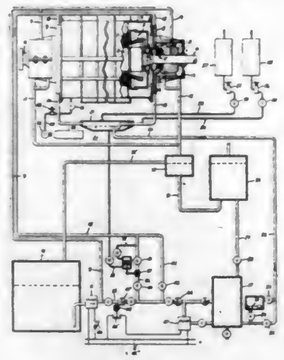
1. In a garment finishing apparatus including a support, a neck form including a breast and back portion, a bracket carrying the neck form on the support, a lug extending inwardly from the breast portion of said neck form having an opening therein, laterally extending shoulder supporting arms pivotally connected to said lug, a rod slidable in said opening in the lug and having its lower end threaded, means connecting the shoulder supporting arms with the lower end of the rod for slidably supporting the rod in the opening in said lug, and latch means engageable with the rod when the shoulder supporting arms are in extended position to hold said arms in extended position.

2,454,978
4-ALKYLMORPHOLINE SULFUR TRIOXIDE COMPOUNDS
Mario Scalera, Somerville, N. J., Charles T. Lester, De Kalb, Ga., and Elizabeth M. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 18, 1946, Serial No. 642,102
4 Claims. (Cl. 260—247)

1. A sulfur trioxide compound of 4-hydrocarbon substituted morpholine in which the hydrocarbon substituent is an aliphatic hydrocarbon radical having not more than five carbon atoms.

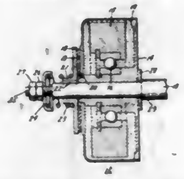
2,454,979
GAS FILLED MACHINE
De Witt S. Snell and Lloyd P. Grobel, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application January 17, 1947, Serial No. 722,542
5 Claims. (Cl. 171—252)

1. A machine having a gas-filled casing and a rotatable member with a shaft extending through said casing, means for supplying gas under pressure to said casing, a chamber formed by spaced members sealingly engaging the shaft at the region of its egress from said casing, said chamber being maintained by said sealing members at a pressure between that of the casing and the surrounding atmosphere whereby gas continuously enters the chamber from the casing by flow past the inner of said members, means supplying a flow of oil along the shaft at the outer of said members to prevent leakage of gas past said outer member, said oil being a carrier of air which tends to accumulate within said chamber, means for continuously conducting gas and air from the chamber, and means for controlling the rate of said conduction, said last-named means being controllably adjustable in a range which includes



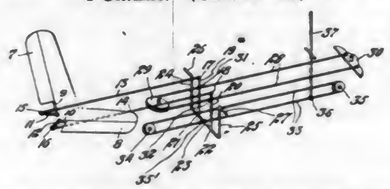
the minimum rate of flow adequate to keep the purity of gas within the casing at an effective cooling level.

2,454,980
DAMPER
Morton Sobell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 16, 1945, Serial No. 594,089
5 Claims. (Cl. 74—574)



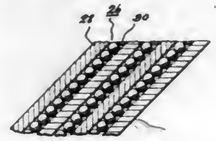
1. A damping device for preventing oscillation of a rotary servomotor comprising a flywheel and means for connecting said flywheel to said motor, said connecting means comprising viscous and friction couplings connected in series relation said flywheel forming an internal part of said viscous coupling which part is driven by viscous contact.

2,454,981
AIRCRAFT CONTROL
Jesse L. Vint, Jr., Wichita, Kans., assignor to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application July 31, 1945, Serial No. 608,003
4 Claims. (Cl. 244—83)



1. In combination, movable aircraft control surfaces mounted for conjoint and reverse operations, actuating levers for simultaneously shifting said control surfaces both in the same or reverse directions, movably supported coaxial fulcrums for said levers, means for rocking said levers in opposite directions on said coaxial fulcrums to accomplish reverse operation of said control surfaces and including pivotal connections with the levers adapted to serve as fulcrums for said levers when said coaxial fulcrums are shifted, and means for effecting the shifting of said coaxial fulcrums about the centers of said pivotal connections to accomplish simultaneous operation of the control surfaces in the same direction, said last mentioned means including a support carrying the coaxial fulcrums and mounted to swing about a center substantially coinciding with the centers of said pivotal connections when said actuating levers are equalized.

2,454,982
FILTER ELEMENT
De Loss D. Wallace, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 17, 1945, Serial No. 594,229
12 Claims. (Cl. 210—169)



1. A new article of manufacture comprising a filter element, consisting of, a strong metal backing plate having bonded thereto a layer of sintered non-compacted spherical metal powder one particle thick throughout its entire extent, each particle of metal powder being in abutting engagement with adjacent particles.

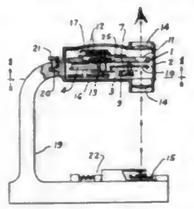
5. A new article of manufacture comprising, a filter element consisting of; a strong metal supporting plate having a layer of non-compacted sintered spherical metal powder bonded to each side thereof, each of said layers being one particle thick, each particle of metal powder being in abutting relation with adjacent particles.

10. A new article of manufacture comprising, a filter of at least three strata consisting of two layers of substantially non-porous material having interposed therebetween a layer of sintered metal powder which is one particle thick throughout its extent, said layer being fabricated from spherical metal powder particles of 150 mesh size or larger wherein each particle of metal powder abuts adjacent particles.

2,454,983
STROBOSCOPIC APPARATUS FOR CALIBRATING TIME INDICATING DEVICES
Joseph M. Weinberger, Brooklyn, N. Y., assignor of one-half to Tessie Weinberger, Brooklyn, N. Y.
Application October 27, 1944, Serial No. 560,686
2 Claims. (Cl. 88—14)

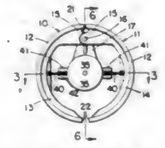
1. A device for calibrating a time indicating device comprising an oscillating member and a stationary member; said oscillating member comprising a solid disc provided with a radially disposed slot; said stationary member being disposed adjacent to said oscillating member and provided with a corresponding slot; means for imparting oscillatory motion to said oscillating member; means for regulating the rate of oscillation of said oscillating member; an optical system disposed along an axis through the slot in said stationary member; a numbered dial and indicating

hands attached to said motion producing means; a case enclosing and containing the hereabove mentioned means; said case being provided with a window for viewing said hands and dial, a



mounting to position said optical system along said axis, the case being provided with a slot for adjusting said regulating means; and a supporting stand; said stand being provided with means to detachably receive said case.

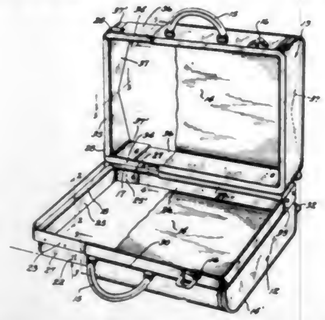
2,454,984
CONTRACTILE FILM SPOOL
Edward G. Bader, Hawthorne, Calif., assignor to Mitchell Camera Corporation, West Hollywood, Calif., a corporation of Delaware
Application May 30, 1945, Serial No. 596,733
6 Claims. (Cl. 242—72)



1. In a collapsible and expansible winding spool, the combination of a mounting hub adapted for removable placement on a spindle, a pivot carrying bracket on the hub and extending radially from it, a hinge pivot carried by the bracket on an axis parallel to and radially spaced from the hub axis, a pair of semi-cylindric winding drum members arranged in cylindric formation with their diametral faces spaced apart and each pivoted on the hinge pivot so that the hinge pivot lies between the two spaced diametral faces and lies relatively close to one of the opposed pair of diametral face edges of the members, and means, including an actuating member movable axially of the hub, for moving the two winding drum members relatively about the hinge pivot.

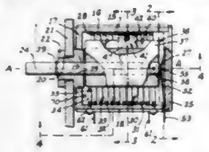
2,454,985
FRAME CONSTRUCTION FOR SOFT-SIDED LUGGAGE
George G. Barton, Racine, Wis., assignor to Hartmann Company, Racine, Wis., a corporation of Wisconsin
Application April 16, 1947, Serial No. 741,825
1 Claim. (Cl. 190—49)

In a box-type hand luggage case, an open-faced section of U-form in section having rigid top, bottom and end walls including reinforcing panels therein and a flexible side wall having its edge portions secured to and covering the top and bottom walls, the top and bottom walls including rails into which marginal portions of the panels are rabbeted, said panels being of less length than the rails to provide overhanging rail portions, the end walls including rails formed with grooves into which marginal portions of the end wall panels are secured, the end wall panels having angular end extensions interiorly lapping, and secured to, end portions of the top and bottom wall panels, there being recesses at each end of said top and bottom walls, said recesses being formed by end faces of said top and bottom wall panels, by the adjacent unlapped outer surfaces of said angular end wall extensions, and by the



adjacent overhanging rail portions, a sheet of flexible covering material applied to the outer face of each end wall panel, edge portions of the latter sheets being folded under and secured in superimposed relation to edge portions of the flexible wall and such superimposed edge portions being flushly accommodated within said recesses of the top and bottom walls.

2,454,986
VARIABLE RESISTANCE DEVICE
Arnold O. Beckman, Altadena, Calif., assignor to National Technical Laboratories, South Pasadena, Calif., a corporation of California
Application October 22, 1945, Serial No. 623,644
23 Claims. (Cl. 201—56)

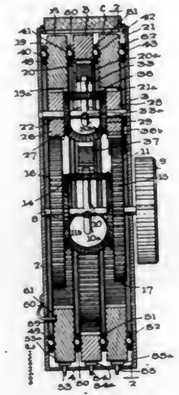


1. In a variable resistor, the combination of: a resistance element providing a plurality of turns extending around an axis, there being a space between adjacent turns of the same configuration as said resistance element; a contact assembly including a guide element of a size to extend loosely into said space when said contact assembly is at a given distance from said turns, said contact assembly providing a contact spaced from said guide element and retained in contact with one of said turns by said guide element as said contact assembly moves along said resistance element; a rotor journalled to turn about said axis; and means for mounting said contact assembly to move along said rotor at said given distance from said turns to retain said guide element loosely in said space while advancing said contact along said resistance element.

2,454,987
CALCULATING MACHINE
Donald Byal Bradner, Cincinnati, Ohio
Application June 4, 1947, Serial No. 752,549
42 Claims. (Cl. 235—79.5)

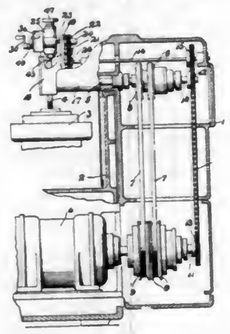
1. A calculating machine comprising a housing, three movable scale members mounted in said

housing, means for moving said scale members including means for controlling the movement of each of said scale members relative to the other two scale members and relative to said housing, said means being so constructed and arranged as



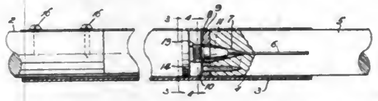
to substantially maintain the algebraic relationship $M_A+M_C=M_B$, in which M_A, M_C and M_B represent the linear movement of the respective scale members in the same direction relative to a fixed point on said housing.

2,454,988
GRINDER SPEED CONTROL
Vincent W. Bunker, Grand Rapids, Mich., assignor to Gallmeyer & Livingston Company, Grand Rapids, Mich., a corporation of Michigan
Application June 25, 1945, Serial No. 601,488
6 Claims. (Cl. 51—134.5)



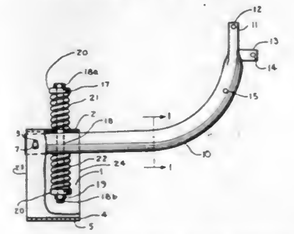
1. In a machine of the class described, a grinding wheel, a rotatable shaft on which the grinding wheel is carried, a power driving shaft, change speed driving means between said shafts for varying the speed of rotation of the first shaft with respect to a constant speed rotation of the power driving shaft, a third shaft mounted for rotation, means connecting said third shaft with said change speed mechanism for actuating said mechanism on rotation of the third shaft, a dressing implement for dressing the grinding surface of the wheel movable toward or away therefrom, means for simultaneously moving said dressing implement and turning the third shaft, and independent means for rotating said third shaft.

2,454,989
AUXILIARY TOOL HANDLE
Carl H. Carlson and William Russell, Chicago, Ill.
Application July 22, 1946, Serial No. 685,488
3 Claims. (Cl. 287—119)



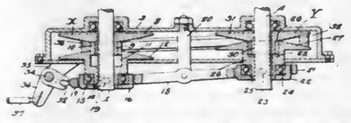
1. In an auxiliary tool handle, a sleeve for attachment to the original handle, a round bar snugly received in said sleeve for rotation and movement longitudinally thereof, said bar formed with a longitudinal slot in one end and with a recess in said end registering with said slot, a disc in said sleeve flush with and secured to said bar and formed with a threaded perforation aligned with said bar recess, and an expander in said sleeve adjustable longitudinally thereof and locked against rotation therein, said expander having a threaded portion for engagement with said threaded disc perforation.

2,454,990
IMPLEMENT SEAT SUPPORT
Cecil W. Chindlund, Storm Lake, Iowa
Application September 30, 1946, Serial No. 700,207
3 Claims. (Cl. 155—51)



1. In a seat support for cross-country vehicles a bracket adapted to be secured to the vehicle frame, a seat supporting arm, one end of which is adapted to support a seat and the other end of which is pivotally connected to the said bracket and resilient means disposed intermediate the said two ends of the supporting arm for yieldingly supporting said arm, said resilient means comprising a bolt passed vertically thru aligned holes in said bracket and said arm, spring-restraining means at each end of said bolt, a spring confined between the upper end of said bolt and the top of said bracket and a second spring confined between the lower end of said bolt and the bottom of said arm.

2,454,991
VARIABLE-SPEED TRANSMISSION
Grady Carlyle Cooke, Winston-Salem, N. C.
Application August 17, 1945, Serial No. 611,041
1 Claim. (Cl. 74—230.17)



A transmission including a housing, spaced pulleys mounted for rotation in the respective end

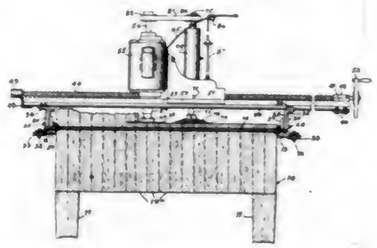
portions of the housing, each pulley including spaced disks, a hub on one of the disks of each pulley, a sleeve freely rotatable on each hub, the other disk of each pulley having a recess for the reception of the hub and in which the sleeve is freely rotatable and slidable, hubs projecting from the outer faces of the recessed disks and journaled in one wall of the housing, the inner faces of the disks of each pulley diverging outwardly, a transversely tapered endless belt supported by and between the disks of the two pulleys, a centrally fulcrumed lever mounted on the outside of the housing, rings rigid with the ends of the lever, anti-friction bearings in the rings of the lever, the hub of the recessed disk of each pulley being journaled in and movable with one of said bearings, both bearings being supported for swinging movement in the rings, and drive and end-driven shafts operatively connected to the respective pulleys, aligned rock shaft bearings rigid with the housing, a rock shaft rotatably supported by said last named bearings, a fork carried by and rotable with the rock shaft, a pivotal connection between the fork and one of the rings, and means under the control of an operator for imparting rotatable movement to the rock shaft to shift the recessed disks in opposite directions respectively.

2,454,992

APPARATUS FOR RESURFACING MEAT BLOCKS

George L. Coleman, Fayetteville, N. C., assignor of one-half to William O. Huske, Fayetteville, N. C.

Application June 16, 1945, Serial No. 599,848
1 Claim. (Cl. 144—2)



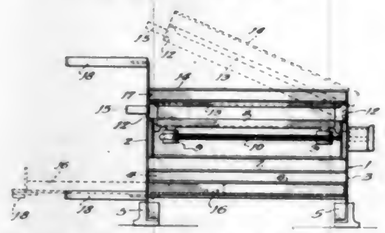
Apparatus for re-surfacing meat blocks comprising a pair of angle irons each having a vertical web and a horizontal web, a pair of bolts penetrating the ends of the angle irons for clamping the vertical web of the angle irons to the sides of the meat block, a U-shaped bracket associated with each angle iron and having two rollers mounted in the vertical portions thereof for engaging the upper side of the horizontal web of the angle iron, each of said U-shaped members having a pair of brackets secured thereto, and provided with horizontal legs and a grooved wheel mounted in each leg for engaging the outer edge of the horizontal portion of the angle irons, the upper ends of the U-shaped members having secured thereto a pair of spaced angle bars extending above the meat block, and spanning the distance between the two U-shaped members, the last-named angle bars having a horizontal web which is secured to the U-shaped members and a vertical web, the remote sides of the vertical webs having each a bar secured thereto and extending the length of the last-named angle bars, each of said bars being broader at its top than at its bottom portion to form a dove-tailed trackway, a motor mount having a dove-tailed groove in its lower surface for engaging the bars secured on the remote sides of the last-named angle bars, a motor mounted on one side of said motor mount and having a downwardly projecting shaft, a cutter mounted on the shaft, a screw threaded rod having a hand wheel and being mounted on the upper portions of the U-shaped members and threadably engaging the motor mount for moving it along the last-named angle bars to move the cutting tool into engagement with a portion of the meat block, while the assembly comprising the U-shaped members and the last-named angle bars together with the motor mount is moved longitudinally of the first-named angle bars to cut away a portion of the meat block.

2,454,993

COOKING UNIT

Charles P. Crawford, Chicago, Ill.

Application April 13, 1945, Serial No. 588,161
5 Claims. (Cl. 219—35)



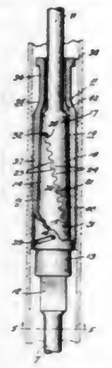
1. A cooking unit comprising an oven open at the top, a transverse grating in the oven, a heating element supported below the grating, a second grating hinged to the top of the oven so as to be capable of swinging from a position somewhat above and parallel to the other grating to an idle position at one side of the oven, a tray of a size and shape to allow it to be positioned between the two gratings, and elements on the upper grating to hold the tray in position when placed thereon.

2,454,994

COUPLING

Basil H. Crippen, Titusville, Pa.

Application August 29, 1947, Serial No. 771,327
2 Claims. (Cl. 287—104)



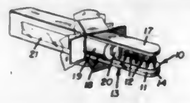
1. A coupling for sucker rods and the like, comprising a head coupling member rigid with and carried by the upper portion of one of said rods, a foot coupling member rigid with and carried by the lower portion of another of said rods superjacent to said first mentioned rod, said head and foot coupling members each including an elongated beveled end and a juncture portion between said beveled end and its respective rod, said juncture portion being coaxial with the axis of its respective rod, said elongated beveled end extending in the direction of the length of its respective rod and offset with respect to the axis of its respective juncture portion providing a shoulder at the juncture portion facing toward the end of the coupling member, said beveled ends being complemental to form a part of a scarf-joint between the rods, the confronting faces of said complemental beveled ends being provided with rack-like teeth extending crosswise of the coupling, interfitting with one another and formed and arranged to space the terminals of each beveled end from the said shoulder of its companion coupling member when the teeth are in said interfitting relation, and means releasably holding said coupling members with said teeth in said interfitting relationship.

2,454,995

DISPOSABLE TOOTH CLEANING KIT

Elwood M. Curran, Los Angeles, Calif.

Application December 13, 1946, Serial No. 716,119
2 Claims. (Cl. 132—84)



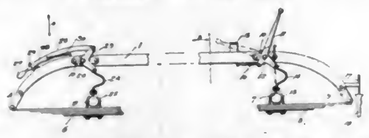
1. A disposable tooth cleaning kit comprising a tooth brush head, bristles extending laterally from the head, a handle attached to the brush head and extending from one end thereof in longitudinal alignment therewith, said handle having a pair of spaced parallel scores extending transversely thereof in spaced relation to the head, a container containing tooth cleansing compound lying on the handle between the bristles and the score nearest thereto and the handle being bent along the scores to overlie the container and the bristles to form a guard therefor.

2,454,996

SPRING HOLDING DEVICE FOR VEHICLES

Francis L. Dahleen, Los Angeles, Calif.

Application June 27, 1945, Serial No. 601,841
2 Claims. (Cl. 280—150)



1. A spring holding device for a vehicle having right and left frame members and a spring supported wheel axle comprising, a guide on one of said members, a shaft transversely seated in said frame members above said axle, arms on the ends of said shaft, clamps on the axle below said arms, normally slack flexible elements extending from said arms to the said clamps, a notched bar pivotally hung on one of said arms and extending through said guide, the bar being lengthwise movable in the guide to rotate the shaft and thereby to tighten said flexible elements, a notch of the bar engaging the guide to maintain the elements taut.

2,454,997

METHOD OF FORMING EYES ON WIRE

Israel Diamond, Washington, D. C., assignor of one-fourth to Ruth Diamond, one-fourth to Doris Diamond, one-fourth to Mildred Diamond, and one-fourth to Herbert H. Diamond, all of Washington, D. C.

Application March 16, 1944, Serial No. 526,760
2 Claims. (Cl. 140—104)



1. The method of manufacturing a knot in the end of a steel wire consisting in bending the end of the wire into the form of a U having a short leg and a long leg, bending the short leg at a point adjacent the base of the U substantially at right angles and across the long leg with the long leg overlying the short leg, then while holding the two legs in this position twisting the loop thus formed at the base of the U about the axis of the short leg through an angle of approximately 360° so that a wrap is made about the short leg, then bending the free end of the short leg through an angle of approximately 90° toward the loop and generally in the plane of the loop to form a neat knot.

2,454,998

LIGHTER SHELL AND METHOD OF MAKING SAME

Cornelius D. Dosker, Louisville, Ky., assignor to Gamble Brothers, Louisville, Ky., a corporation of Kentucky

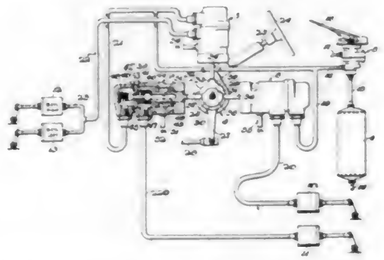
Application February 14, 1944, Serial No. 522,337
9 Claims. (Cl. 114—26)



1. In a process of fabricating a shell section, having upwardly curved main (side and end) walls connected by an upwardly and horizontally curved corner wall, comprising: providing a flat sheet having a bottom area and a corner area flanked by side and end areas, said areas being so disposed that the corner area and its flanking end area are separated from the side and bottom areas, respectively, by one line while the corner area and its flanking side area are separated from the end and bottom areas, respectively, by a second line which intersects the first line substantially at a right angle, the corner area containing an inner stave zone and an outer segment zone, the stave zone having a base coinciding with one of said intersecting lines and which extends from said base toward the opposite edge of the corner area, the segment zone occupying the remainder of the corner area with its base coinciding with the other intersecting line; bending the sheet along one of said intersecting lines so that the one flanking area curves upwardly to form one of the main walls and the corner area curves upwardly from the other flanking area; blanking the corner area to form a series of staves, extending across the stave zone from its base to the segment zone and tapering in the same direction, and a sector occupying the corner angle formed by the segment zone base and the adjacent outer edge of the corner area, the arc of the sector extending through the segment zone; assembling the staves and sector to form the corner wall by

bending the sheet along the other intersecting line in a manner to cause the other flanking area to curve upwardly from the bottom area and form the other main wall and the staves to curve from their base convergingly toward the sector with their ends positioned along the arc of the sector; and securing the staves and sector in assembled relationship.

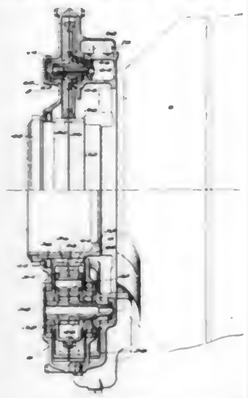
2,454,999
COMBINED BRAKE AND STEERING MECHANISM
Wilfred A. Eaton, Oakville, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application May 23, 1946, Serial No. 671,833
4 Claims. (Cl. 180—18)



1. In a braking system for a vehicle having a pair of front brakes, a pair of rear brakes, and a steering mechanism, a fluid pressure actuator for each of said brakes, pedal controlled means for conducting fluid pressure to all of said actuators including a valve device for each of the rear brake actuators, and a valve device for both of the front brake actuators, each of said valve devices including a valve resiliently urged toward closed position, and rotatable cam means controlled by movement of the steering mechanism for positively maintaining said valves of all of said valve devices in open position when said mechanism is moved to straight-ahead steering position, and for selectively allowing said valves of the first named valve devices to close depending upon the direction of turn of the steering mechanism, said cam means being constructed and arranged to allow the valve of the second named valve device to close in response to movement of the steering mechanism in either direction from straight-ahead steering position.

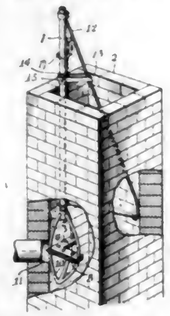
2,455,000
ELECTRICALLY OPERATED PITCH CHANGING MECHANISM
Archibald Graham Forsyth, Cheam, England, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England
Application August 12, 1943, Serial No. 498,366
4 Claims. (Cl. 170—163)

1. A control unit for variable pitch propeller systems and adapted to be disposed surrounding the propeller drive shaft between the propeller hub structure and the engine, said control unit comprising a sleeve having gear teeth on the periphery thereof and mounted to rotate with a propeller drive shaft, a second sleeve having gear teeth on the periphery thereof and carried by said first sleeve for relative rotary movement with respect thereto, rotation of said second sleeve being adapted to effect pitch changing movement, a pair of electric motors, means for connecting said motors to drive said second sleeve relatively to said first sleeve, a control circuit for said motors including a plurality of fixed pitch limit switches and a selective switch arm cooperating therewith, and means in said circuit for applying additional voltage to said motors when pitch changing movement is to be effected toward certain predetermined pitch positions, and means actuated by relative movement between said sleeves for controlling said circuit to cut off said motors



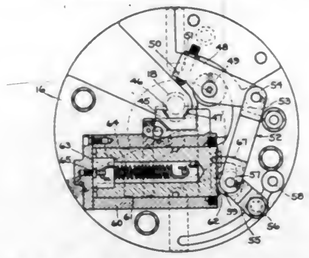
when predetermined pitch positions have been attained, said last-named means comprising a pair of co-axially mounted gear wheels, one of said gear wheels engaging with said gear teeth on said first sleeve and driven thereby, the other of said gear wheels engaging with said gear teeth on said second sleeve and driven thereby, a shaft co-axially mounted with respect to said gear wheels, and said switch arm comprising a shaft driven in a direction parallel to the axis of said gear wheels by the relative movement between said gear wheels.

2,455,001
CHIMNEY SCRAPER
Victor Fortin, La Tuque, Quebec, Canada
Application November 1, 1944, Serial No. 561,378
3 Claims. (Cl. 15—243)



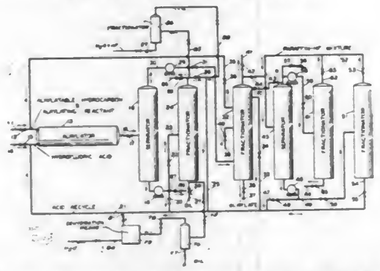
3. A chimney scraping device comprising a rod, a set of fingers diverging downwardly from the lower end of said rod and having their lower ends joined together, a blade carrier supported by said fingers, a blade mounted in said carrier and lying in a plane perpendicular to said rod, a spring arm extending downwardly from the upper end of said rod and laterally from the rod on a side thereof opposite the edge of said blade, and a chain attached to the lower end of said arm and extending upwardly along said rod, said chain being slidably guided on said rod.

2,455,002
CRANKPIN GRINDING MACHINE
Francis W. Foudy, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 15, 1946, Serial No. 677,000
8 Claims. (Cl. 51—237)



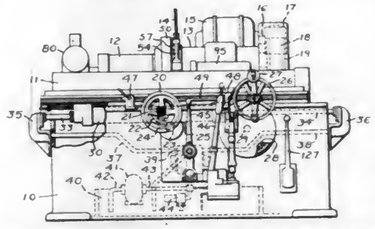
1. In a crank pin grinding machine having a work head, a rotatable spindle supported thereby, a pot chuck on one end of said spindle including a crank shaft support fixedly mounted on said chuck, a pivotally mounted clamping arm on said chuck to clamp a crank shaft on said support, a fluid pressure piston and cylinder to actuate said clamping arm, a piston type safety valve therefor which is arranged so that fluid under pressure opens said valve, a ball check valve associated with the safety valve to pass fluid under pressure to said chuck cylinder, and a solenoid to close said valve to exhaust fluid from the pot chuck.

2,455,003
ALKYLATION OF PARAFFINS IN PRESENCE OF HYDROFLUORIC ACID
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 23, 1941, Serial No. 424,204
13 Claims. (Cl. 260—683.4)



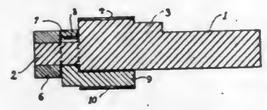
1. In a process of alkylating a low-boiling alkylatable paraffin in the presence of hydrofluoric acid, the steps which comprise separating from an alkylation reaction mixture originating in such a process a liquid acid phase comprising hydrofluoric acid associated with dissolved organic impurities formed during said alkylation, and a dissolved low-boiling paraffin, and water introduced into the process with said paraffin reactant, fractionally distilling from said acid phase a low-boiling mixture containing substantially all of said dissolved low-boiling paraffin and a sufficient amount of said hydrofluoric acid to form a minimum boiling azeotropic mixture therewith, treating the residue to remove water and said dissolved organic impurities and to recover all of its content of hydrofluoric acid in such condition that it is suitable for reuse for effecting alkylation, and passing purified substantially anhydrous hydrofluoric acid so obtained to said alkylation reaction.

2,455,004
GRINDING MACHINE
John I. Garside, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application September 7, 1945, Serial No. 614,912
13 Claims. (Cl. 51—108)



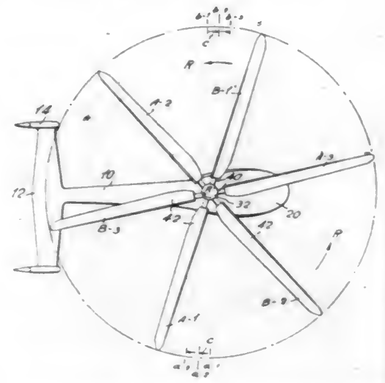
1. In a grinding machine having a transversely movable slide, means rotatably to support a grinding wheel on said slide, means including a piston and cylinder automatically to feed said slide transversely toward and from a work piece to grind the same, a work support intluding a rotatable work supporting turret to support a plurality of work pieces, an index mechanism to index said turret successively to position a plurality of work pieces in an operative position, and means including a piston and cylinder successively to clamp said work pieces in an operative position on said turret during grinding operation.

2,455,005
INTERNAL PIPE WRENCH
Lee R. Hall, Tonasket, Wash.
Application October 30, 1945, Serial No. 625,576
1 Claim. (Cl. 81—72)



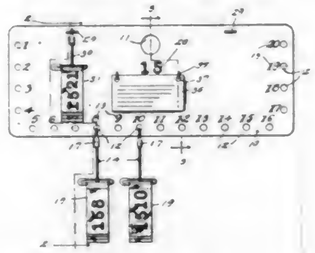
An internal pipe wrench comprising a shank; a main segmental gripping member integral with said shank formed at its outer end; a stub shaft projecting from the outer end of the shank the central longitudinal axis of said stub shaft coinciding with that of the shank; a movable segmental gripping member opposed to the main gripping member; an offset hub integral with said movable segmental gripping member; said hub having a slot through which said stub shaft projects; said gripping members having their peripheral surfaces fluted to form longitudinally extending teeth concentric with the central longitudinal axis of said shank; said main segmental gripping member having a cam surface; said movable segmental gripping member having an inner surface cooperating with said cam surface for moving said movable segmental gripping member outwardly radially when the latter is rotated about said stub shaft.

2,455,006
COUNTERTORQUE MECHANISM FOR HELICOPTERS
Russell R. Hays, Lawrence, Kans.
Application July 31, 1945, Serial No. 607,961
11 Claims. (Cl. 244—17)



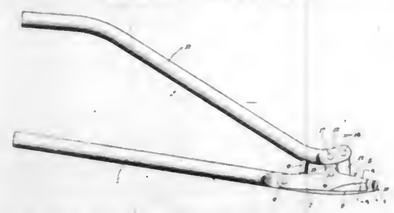
2. In a counter-torque mechanism for a lifting propeller, means for successively, transversely depressing different blades of said propeller at opposite phases of rotation to simultaneouly create torque and lift forces of equal and opposite sign, and means for mounting said blades to resist said depressing means by relatively increasing the aerodynamic loading of said blades in response to said transverse depression.

2,455,007
MARKING SYSTEM
Homer C. Hayslip, Atlanta, Ga., assignor of one-half to Paul E. Arnall, Griffin, Ga.
Application June 5, 1946, Serial No. 674,577
1 Claim. (Cl. 40—19.5)



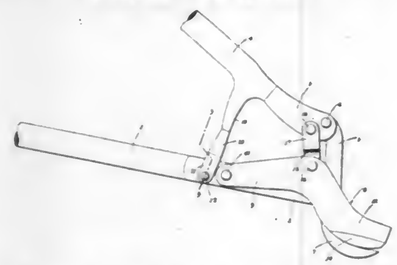
In an article cleaning identifying system, a plurality of supporting members, each member having an identification indicia, a plurality of groups of article identification tags for each member, tag suspending members for said tags carried by each supporting member, means removably securing each of said tags on its respective suspending member, indicia carried by said tags correlated with said identification indicia of said supporting member for identifying each tag relative to said supporting member, certain groups comprised of a plurality of said tags on the same suspension member having additional indicia arranged in consecutive order, indicia on said supporting member adjacent the suspension means for the remaining groups of tags, the remaining groups each comprising a plurality of said tags having additional indicia corresponding to the indicia on said supporting member for each of said remaining groups.

2,455,008
SURGICAL CAST CUTTER
Arthur J. Hood, Reno, Nev.
Application January 13, 1945, Serial No. 572,683
4 Claims. (Cl. 30—173)



1. A cast cutter comprising a lower handle, a lower jaw projecting forwardly in rigid relation from the lower handle, an upper jaw comprising a pair of spaced apart parallel sides which straddle the lower jaw, means pivoting the upper jaw adjacent its rear end on the lower jaw for cooperating cast cutting movement, an ear projecting upwardly in rigid relation from the lower jaw intermediate its ends and between the sides of the upper jaw, an upper handle disposed above and in vertical alinement with the lower handle, a fork on the forward end of the upper handle, said ear projecting into the fork adjacent its forward end, a cross pin pivoting said ear in the fork, a rigid link projecting at its upper end into the fork to the rear of the ear, another cross pin pivoting the link in the fork, said link depending from said other cross pin between the sides of the upper jaw, and a separate cross pin pivoting the lower end portion of the link in said lower jaw.

2,455,009
SURGICAL CAST SHEARS
Arthur J. Hood, Reno, Nev.
Application March 28, 1945, Serial No. 585,329
5 Claims. (Cl. 30—251)



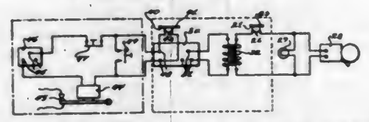
1. Shears comprising upper and lower longitudinally extending handles, means transversely pivotally connecting said handles together for relative swinging movement, a tongue-like jaw projecting from one handle, a generally U-shaped jaw mounted on the other handle for cooperative shearing action with the tongue-like jaw, the latter progressively entering the U-shaped jaw upon closing of the shears, and stop means arranged to limit closing movement of the shears to a point at which said tongue-like jaw is short of fully closed position relative to said U-shaped jaw.

2,455,010
THERMOHYDROMETER
Arnold Hoyer, Conshohocken, Pa., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 5, 1943, Serial No. 509,112
1 Claim. (Cl. 73—34)



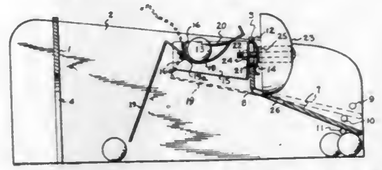
In a thermohydrometer, a molded body comprising a barrel and a thermometer housing, said barrel being disposed exteriorly of and parallel with respect to said housing, said barrel and said housing merging into a terminal cylindrical chamber having an open end, said barrel, housing and chamber forming an integral structure, said body having an impervious wall common to and separating said barrel from said housing, said wall terminating in spaced relation to said chamber, a float in said barrel, a thermometer, that end of said housing merging into said chamber having means supporting said thermometer with the indicating portion thereof in said housing and the bulb portion thereof in said chamber, said supporting means sealing said housing from said chamber, the other end of said housing merging into said barrel to form a closed end for said housing, an apertured plug closing the open end of said cylindrical chamber, said plug having an annular flange overlying the edge of said chamber end, and a flexible hose connected to said plug aperture, said plug having a recess adapted to accommodate the free end of said hose to hold the hose in bent position.

2,455,011
THERMAL ALARM APPARATUS
Clarence W. Ingels, St. Albans, N. Y.
Application May 23, 1946, Serial No. 671,885
16 Claims. (Cl. 177—311)



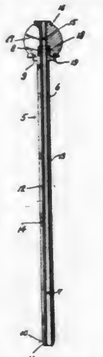
2. A thermally responsive signalling means for indicating temperature changes above a predetermined temperature comprising; a snap acting thermally responsive element responsive to a predetermined temperature, signalling means operable by a movable portion of said element, a heat conducting member, and a cooling member, said element being adapted in the normal position thereof to be in direct heat exchange relation with said heat conducting member and in the actuated position thereof in direct heat exchange relation with said cooling member, whereby said signalling means is intermittently operated when the temperature of said heat conducting member reaches or exceeds said predetermined temperature and at a frequency which is a function of the temperature of said heat conducting member.

2,455,012
MARBLE GAME
Frederick H. King, Detroit, Mich.
Application May 17, 1944, Serial No. 535,999
3 Claims. (Cl. 273—127)



1. In a game, the combination with a target element having an upper marble receiver and a lower trip arm for encounter by a projectile, of a carrier for said target element having substantially parallel walls between which said receiver is normally disposed, and means pivoting the target element on the carrier between the trip arm and receiver, the carrier walls being formed at their upper margins with a pair of opposed lips disposed rearwardly of the normal seating position of the marble and projecting toward each other to restrain the marble from ejection from the carrier due to an impact not acting on the trip arm.

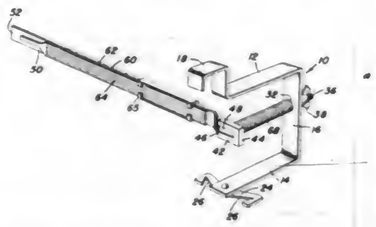
2,455,013
FISH HOOK REMOVER
Anthony S. Klinicki, Detroit, Mich.
Application January 28, 1947, Serial No. 724,908
1 Claim. (Cl. 43—29)



In a fish hook remover comprising, an elongated outer tube including a collar adjacent its inner end and having a longitudinal slit extending therethrough and its outer end bevelled and its inner end threaded, an elongated slit inner tube rotatably disposed in the outer tube with its slit registrable with the slit in the outer tube and its inner end extending beyond the threaded end of the outer tube, a knob threaded on the threaded end of the outer tube and having a slit therein registering with the slits in the inner and outer

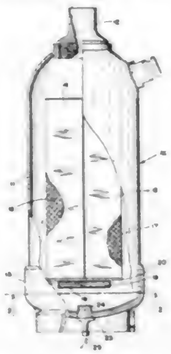
tubes, a pin securing the knob on the inner end of the inner tube, a shoulder formed on the periphery of said collar, and a stop-pin secured to the lower surface of said knob in the path of said shoulder to limit rotation of the inner tube within the outer tube when the aforesaid slits are in registered relation.

2,455,014
AXE SHARPENING DEVICE
Theodore Lee, Bejou, Minn.
Application November 7, 1947, Serial No. 784,691
3 Claims. (Cl. 76—82)



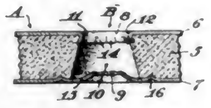
1. An axe sharpening device comprising a substantially U-shaped base member, means carried by one end of said base member for engaging the head of an axe, a pivotal latch carried by the other end of said base member having a recess for engaging one edge of an axe handle, a support member carried by said base member, a file removably secured to said support member, and means urging said file against an axe head.

2,455,015
MEANS FOR IGNITING PROPELLANT IN ROCKET MOTORS
Harry W. Mace, Glendale, and Beverly H. Chamberlain, Pasadena, Calif., assignors to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application January 3, 1946, Serial No. 638,742
5 Claims. (Cl. 60—35.6)



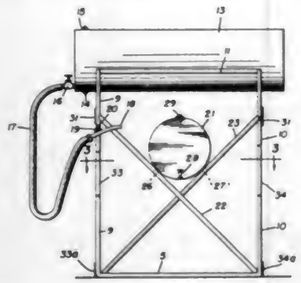
1. In a rocket motor of the type having a tubular combustion chamber with a nozzle at one end of the chamber and the chamber being closed at the other end, a container containing propellant within the chamber with the exposed surface of the propellant facing the wall of the chamber, an inflammable substance placed at the end of the container adjacent the closed end of the chamber, and an ignitor placed through the closed end so that the heat from the ignitor ignites the inflammable substance causing flame to carry to the propellant surface.

2,455,016
LATH BOARD
George A. Buttress, Los Angeles, Calif.
Application April 11, 1944, Serial No. 530,538
3 Claims. (Cl. 72—124)



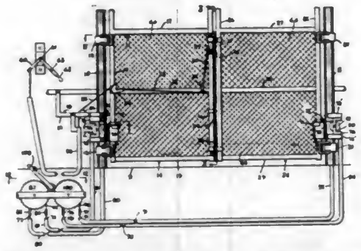
1. In a lath board embodying a plaster layer interposed between a fibrous front cover sheet and a back cover sheet having plaster-receiving apertures extending therethrough formed by axially aligned holes in said sheets and plaster layer, the construction in which the marginal portions of the back cover sheet surrounding the holes in said sheet project transversely from the adjacent margins of the walls surrounding the holes in the plaster layer into the path of plaster delivered to the apertures to restrict flow of plaster through the apertures; the projecting marginal sheet portions surrounding the holes in the back cover sheet being curved in section into the holes in the plaster layer to oppose thrust of plaster pressed thereagainst from the interior of the holes in the plaster layer.

2,455,017
STORAGE TANK RACK
Claud E. McCormick, Snyder, Tex.
Application December 4, 1946, Serial No. 714,096
3 Claims. (Cl. 211—71)



2. A storage tank rack of the class described comprising an open-style framework embodying horizontal base means, and pairs of upstanding front and rear uprights attached to and rising from said base means, the upper ends of said uprights being connected together by horizontal head rails, and being further connected together by horizontal transversely disposed semi-circular members adapted to accommodate a substantially cylindrical elongated storage tank, and pairs of crossed rods connected at their respective outer ends to adjacent ones of said uprights, the pairs of crossed rods being disposed on opposite sides of the frame structure and being interconnected by horizontal stabilizing rods defining substantially V-shaped seats adapted to support a second storage tank.

2,455,018
GATE OPERATING MEANS
Irma B. McKeown, Charlotte, N. C.
Application December 11, 1944, Serial No. 567,751
2 Claims. (Cl. 39—52)



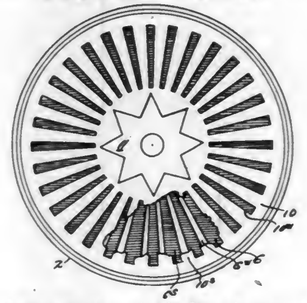
1. An enclosure having an opening provided with a vertically disposed post at each side of the opening, a pair of gates disposed in side-by-side relation for closing the opening, each of said gates having vertically disposed outer frame members disposed in alinement with the posts on each side of the enclosure and pivotally mounted on the posts, each post having mounted thereon a pair of laterally extending arms each provided with a pulley, the outer frame member of each gate having thereon a pair of arms to the end of each of which a cable is attached, a pair of drums disposed in side-by-side relation and located remotely from the enclosure, said drums having a medial portion of a cable wound thereabout and the two ends of the cable on one drum extending to one set of said pulleys and being attached to the arms extending laterally from the vertically disposed outer frame member of one gate, and the two ends of the cable on the other drum extending to the other set of pulleys and being attached to the arms on the other gate.

2,455,019
PENCIL HOLDER
Robert M. McNeill, Hollywood, Calif.
Application December 20, 1944, Serial No. 569,002
4 Claims. (Cl. 120—21)



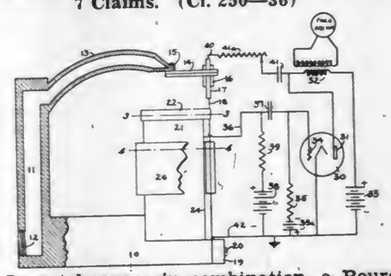
1. A body member having an axial bore and a reduced portion provided intermediate its length with external threads, said portion having a reduced cylindrical end extending beyond the area of the threads thereon, a tip having a cylindrical pocket and a bore in the end thereof, said tip having internal threads at a point above said pocket to engage the external threads on the reduced portion of said body member, a cylindrical body of compressible material loosely fitting within said pocket and provided with a longitudinal bore larger than a pencil extending therethrough, a ferrule fitting over the top of said body and having an aperture coaxial with the bore therein and having a sliding fit with said pencil, said ferrule being engageable by said reduced cylindrical portion when said body member and tip are moved relatively to each other to compress said cylindrical body of compressible material about the pencil extended through the longitudinal bore of the body and tip.

2,455,020
ECLIPTIC FLASHER LAMP
Harry W. McQuaid, Los Angeles, Calif.
Application November 10, 1944, Serial No. 562,885
3 Claims. (Cl. 40—130)



1. A flashing lamp including a source of light, coordinate light controlling and relatively movable members and means to effect said movement; said members having circular systems of equinumerous, concurrently registerable windows for the emission of the light and certain zone groups of the windows being of differentiated light emitting areas whereby to produce the effect of lateral swaying and expanding and contracting spot zones during the periods of registration of the differentiated windows while the remaining windows of the systems are all blocking out the light.

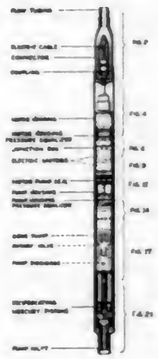
2,455,021
PRESSURE METER
Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., New York, N. Y., a corporation of New York
Application January 29, 1944, Serial No. 520,200
7 Claims. (Cl. 250—36)



4. In a telegauge, in combination, a Bourdon tube subjected to pressure variations, a magnet, a wire connected to said Bourdon tube and extending transverse to the field of said magnet, a support for the other end of said wire, said magnet extending for a length along the wire substantially more than one third the length of the wire

and centrally disposed with regard to said wire, an oscillator, means responsive to vibrations of said wire transverse to said field for controlling the frequency of said oscillator, and means operated by said oscillator for passing alternating current through said wire of the oscillator frequency.

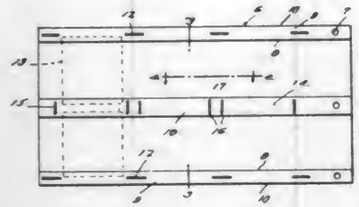
2,455,022
SUBMERSIBLE DOUBLE-ACTING FLUID PISTON DEEP WELL PUMP
Benjamin F. Schmidt, Los Angeles, Calif.
Application August 8, 1944, Serial No. 548,518
15 Claims. (Cl. 103—46)



13. In a submersible oil well pump structure, a fluid filled housing containing the following instrumentalities: an electric motor; a high pressure pump operatively connected to said motor for pumping an operating fluid, said pump including intake and discharge ports; a plurality of valves for opening and closing said ports; a rotatable ring cam for actuating said valves; a reduction gearing operatively connected to said motor; means connecting said reduction gearing to said ring cam; means defining a pair of actuating chambers each containing a quantity of said operating fluid and a quantity of mercury; means communicating said intake and discharge ports with said actuating chambers; means defining a pair of crude oil pumping chambers each containing a quantity of mercury; means interconnecting said pumping chambers with said actuating chambers; means defining inlet and outlet connections to said pumping chambers; check valves in each of said inlet and outlet connections; a plurality of flexible elements disposed within said housing and defining an interior space of variable volume; means communicating said spaces with said crude oil outlet connections to produce within said housing substantially the same pressure as that against which said crude oil is pumped; a shell for enclosing said housing and having inlet and outlet orifices for crude oil to be pumped and having an electric cable inlet; means in said shell for maintaining said housing in centrally spaced relation with respect to said shell; and means within said shell for preventing rotation of said housing upon operation of said motor.

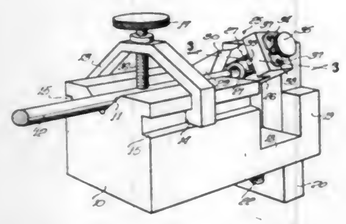
2,455,023
PHOTOALBUM LEAF
Herbert F. Schmiege, Chesaning, Mich.
Application July 29, 1944, Serial No. 547,271
1 Claim. (Cl. 129—20)

In a loose-leaf for photo albums, a sheet of flexible cardboard, said sheet being substantially rectangular, the respective longitudinal edges of said sheet being folded laterally and inwardly against one face, then doubled upon themselves and directed outwardly, folded over the marginal edge portions to the opposite face of said sheet, the free terminal edges constituting keeper flaps and the doubled folds on the first-named face forming similar keeper flaps, a plurality of longitudinally disposed staples secured through all folds and said sheet and being arranged at predetermined longitudinally spaced points, said staples being situated inwardly of the adjacent marginal edge portions of the sheet proper and defining, between themselves, keeper pockets for adjacent end portions of the snap-shots or the like, a pair of longitudinally extending strips,



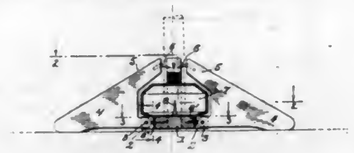
said strips being arranged on and against opposite faces of the median portion of the sheet proper and in alignment with each other, a plurality of transversely disposed staples securing the strips to the sheet and positioned at longitudinally spaced points, certain of said last-named staples being disposed in pairs and close parallelism to secure the portions of the strips therebetween in direct contact with the main sheet, the remaining portions defining open-edged loops, said loops being in alignment with said keeper pockets, the closely spaced transverse staples being positioned distances apart considerably less than the lengths of the outer longitudinal marginal staples, whereby to assist in guiding one in locating and assembling the staples and securing the parts together.

2,455,024
DRILL JIG
Harold W. Schneider, Terrell, Tex.
Application September 9, 1946, Serial No. 695,716
5 Claims. (Cl. 77—62)



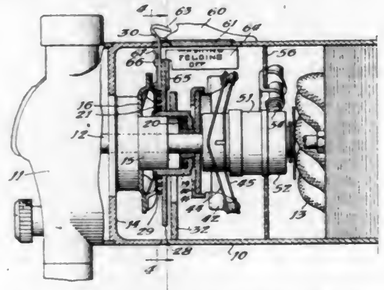
1. A centering drill jig including a body having a bifurcated end and a work receiving recess, clamping means for holding a workpiece in predetermined relation to the bifurcated end of said body, a bushing plate disposed for vertical sliding displacement between the bifurcations in the ends of said body and guided thereby, an interchangeable bushing carried by one end of said plate, an elongated and oscillatable centering lever having a longitudinal slot to receive the inner end of said bushing, said centering lever having a recess intermediate its ends provided with a V-shaped end confronting a workpiece in said jig body and adapted to engage said workpiece when said lever is oscillated and laterally moved, to effect vertical movement of said bushing plate and alignment of said bushing with the center of said workpiece.

2,455,025
CHRISTMAS TREE HOLDER
Clarence J. Schroeder, Sheboygan, Wis.
Application June 8, 1945, Serial No. 598,343
1 Claim. (Cl. 248—47)



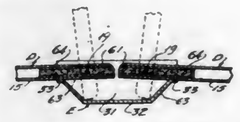
A holder for Christmas trees comprising a rectangular base block having recesses therein, a rectangular fluid cup secured to the upper face of the base block having inwardly beveled lips for restricting the mouth of the cup, an anchor pin extending upwardly from the cup bottom, supporting feet having inwardly overhanging arms above the cup extending over and protecting the beveled face mouth of said cup, ears extending from the feet fitted into the base block recesses, pivots connecting the feet ears and said block, and pins extending inwardly from the ends of the feet arms, the same being circumferentially aligned, with reference to the feet pivots, for piercing engagement with a tree centrally seated upon the cup anchor pin.

2,455,026
MOTOR-DRIVEN FOOD MIXER
Arthur W. Seyfried, Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 20, 1945, Serial No. 583,789
2 Claims. (Cl. 172—36)



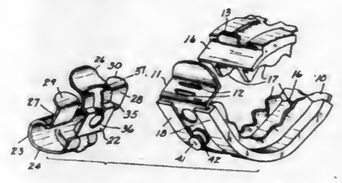
1. In a motor driven food mixer comprising a motor, a cylindrical motor housing having a circumferentially extending slot in the wall thereof, speed control mechanism located in the motor housing adjacent said slot and including a rotatable disk, and a manually operable control lever connected to one side of said disk and extending through said slot for free floating movement therein; the improvement, which comprises an elongated relatively narrow window in the housing wall adjacent said slot and disposed at right angles thereto, a mixing indicator member including a flange portion connected to the other side of said disk for movement with said lever, a spring on said one side of the disk and bearing against a wall of the circumferentially extending slot, said indicator member further including a relatively thin arcuate plate conforming with the wall of the housing and disposed adjacent said wall within the housing for movement directly beneath said window upon movement of the lever in said slot in effecting adjustment of the motor speed, and individual indicia on said plate designating various operations at predetermined motor speeds and being individually visible through said window upon movement of the lever to effect the corresponding motor speeds.

2,455,027
LITTER STRETCHER-BAR ASSEMBLY
Samuel G. Thomson, Flushing, N. Y.
Substituted for application Serial No. 455,906, August 24, 1942. This application October 9, 1946, Serial No. 702,294
3 Claims. (Cl. 5—82)



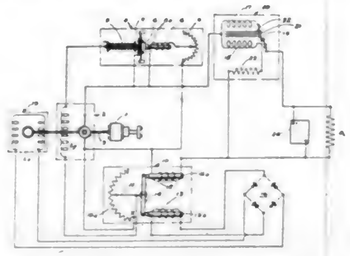
1. A mid-joint for litter stretcher-bar assemblies including a pair of proximal and spaced stretcher-bar ends, a channel like member including a web and a pair of flanges, said ends fitting closely between said flanges, pivot pins passing through said flanges and ends, and lips on the free edges of the flanges against which the said ends tend to engage upon expansion of the litter.

2,455,028
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 16, 1945, Serial No. 605,218
9 Claims. (Cl. 248—74)



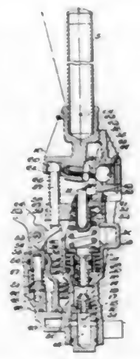
1. A fastening device comprising a strip of metal bent intermediately to provide two arms which extend in the same general direction, one of the arms being narrower than the other and having a slot extending longitudinally thereof, and having a boss deformed therefrom adjacent one end of the slot and providing a recess for the head of a pin that is adapted to extend through the slot, and the other arm being bifurcated adjacent the free end thereof, the bifurcated portions being disposed on opposite sides of the first arm and cooperating therewith to provide a three-point engagement with a support that extends therebetween.

2,455,029
ELECTRICAL CONTROL SYSTEM
Ernest J. Vogt, Pasadena, Calif., assignor to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application November 1, 1944, Serial No. 561,475
2 Claims. (Cl. 322—23)



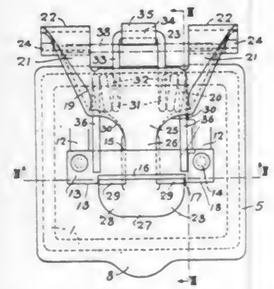
1. In a system comprising a generator, an electrical load operated from the generator and a prime mover for driving the generator, apparatus for regulating the generator comprising a solenoid having through it a current proportional to the load current, a plunger operable in said solenoid, a second solenoid having a current through it responsive to the prime mover speed, a second plunger operable by the second solenoid, a field winding associated with the generator, a rheostat in series with the field winding, said rheostat having a movable arm correlated with both of said plungers, such that an increase of current through the first solenoid and a decrease of current through the second solenoid both tend to increase the resistance of the rheostat, and decrease of current through the first solenoid and increase of current through the second solenoid both tend to reduce the resistance of said rheostat.

2,455,030
FLUID PRESSURE CONTROL MECHANISM
Stephen Vorech, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application December 9, 1944, Serial No. 567,419
11 Claims. (Cl. 303—52)



1. Fluid pressure control valve mechanism including a casing having an inlet chamber, an outlet chamber, an exhaust port, valve means for normally permitting communication between said outlet chamber and exhaust port and for preventing communication between said inlet and outlet chambers, means including a control lever having a release position and operable on movement from release position to operate said valve means to prevent communication between said outlet chamber and exhaust port and to permit communication between said inlet and outlet chambers, an auxiliary inlet chamber having a connection with said first named inlet chamber, an auxiliary inlet valve in said connection, means including a manually operable trigger normally positioned to maintain said auxiliary inlet valve in closed position, and means operable on initial movement of said control lever from release position for tripping said trigger to permit opening of the auxiliary inlet valve.

2,455,031
JOURNAL BOX STRUCTURE
Theodore R. Weber, Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application November 1, 1944, Serial No. 561,345
9 Claims. (Cl. 308—47)

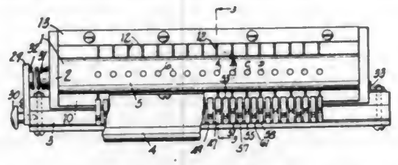


1. A journal box structure comprising a journal box having an open face and a hinge cam lug at its top; a closure including an eyeless cover for said open face and a transverse bar spaced at its center from the outer face of said cover providing a slot and rigidly secured at its ends to said cover face; a member hinged to said lug, extending downwardly through said slot in spaced relation to said cover at said slot to permit angling between said member and closure, said member having a lower portion with an outwardly directed flange in engagement with the bottom edge of said bar for supporting said closure; and a torsion spring having coils engaging, and exerting an outward force against, said member between said lug and bar and having an upwardly extending portion engaging, and exerting an inwardly directed force against, the cam of said lug and having a downwardly extending portion engaging, and exerting a cover-closing force against, said closure.

2,455,032
MUSICAL INSTRUMENT
Alfred O. Williams, Richland, Mich.
Application September 17, 1947, Serial No. 774,612
15 Claims. (Cl. 84—1.01)

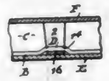
13. A harmonica-like playing instrument for actuating an electric tone producing system comprising a body member having a plurality of forwardly opening tone bores, pistons disposed in said bores, a plurality of contact reeds secured to said body, said reeds being engageable with said pistons for movement thereby, a slide member

slideably secured to said body member and spring urged in one direction, pairs of electrical contacts carried by said slide member and spaced to the front and rear of said reeds, a common



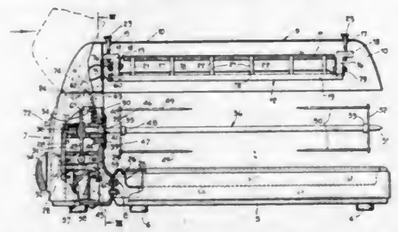
conductor extending from said reeds on said body to said tone forming mechanism, and a plurality of conductors extending from said contacts to the elements of said tone forming mechanism.

2,455,033
PRINTER'S KNOCKOUT
Charles W. Wright, Tipton, Kans.
Application March 23, 1946, Serial No. 656,633
2 Claims. (Cl. 22—5)



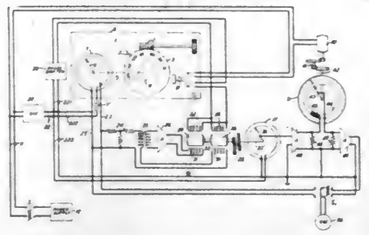
2. In combination with a stereotype casting box having a lid and bottom portion, a matrix in the casting box and lying upon said bottom portion, said matrix having a blank space with an uneven surface, a printer's knock-out arranged in the casting box adjacent to the blank space of the matrix and adapted to exert pressure thereon when the lid of the casting box is closed, and a flexible member associated with said printer's knock-out and the matrix to prevent distortion of the blank space when pressure is applied thereto by the printer's knock-out.

2,455,034
HOME BARBECUE DEVICE
Richard R. Zoegall, Los Angeles, Calif.
Application October 26, 1944, Serial No. 560,461
2 Claims. (Cl. 219—19)



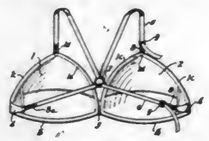
1. In a food cooking device of the character described: a base; an upright hollow pedestal disposed at one end of said base and having spaced front and back walls; a hood-like reflector; means hingedly mounting the reflector on said hollow pedestal with the hinge axis of said connection near the front wall so that the top of the pedestal supports the reflector in a substantially horizontal position extended out over the base; and means concealed within the hollow pedestal and actuated from the exterior thereof for swinging the reflector on its hinge connection.

2,455,035
AVERAGING MECHANISM
Hendrik W. Bode, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 30, 1946, Serial No. 644,272
5 Claims. (Cl. 235—61)



1. Averaging mechanism comprising means for obtaining a voltage varying in accordance with a quantity to be averaged over a defined time interval, means for defining the time interval, a movable member, means for driving the member at a velocity proportional to the voltage, means actuated by the member for producing a second voltage increasing in accordance with the displacement of the member and means controlled by the defining means for deriving from the second voltage a third voltage proportional to the second voltage divided by the time interval over which the quantity is to be averaged.

2,455,036
BRASSIÈRE
Gypsy A. Boylan, Rocky River, Ohio
Application March 22, 1946, Serial No. 656,271
3 Claims. (Cl. 2—42)

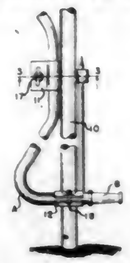


1. A garment of the class described comprising a pair of cup members connected together at their inner sides, strap members connected at their opposite ends to the top and outer side portions of said cup members, the end portions of the strap members adjacent to their connections to the top portions of the cup members being adapted to extend over the shoulders of a wearer for supporting the garment, and a connecting member through which the intermediate portions of said strap members extend, said connecting member having a single opening and being of circular shape and rounded throughout to permit said strap members to slide freely endwise through said connecting member independently of each other and equalize the tension on said strap members during bodily movement of the wearer.

2,455,037
LAWN WASHER AND SPRINKLER SUPPORT
Emil Robert Bremer, Alameda, Calif.
Application February 15, 1946, Serial No. 647,889
1 Claim. (Cl. 248—87)

In a device of the class described, a hose receiving clamp fixed to a stick near the upper end thereof, a second hose receiving clamp fixed to

the stick near the lower end thereof and arranged at right angles to the first clamp, a bearing fixed to the stick adjacent the lower clamp and at right angles thereto, a sticking pin pivotally connected



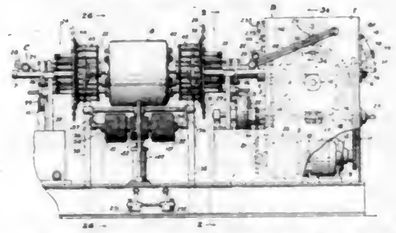
to said bearing, and a keeper for the sticking pin fixed to the stick on a side opposite the first clamp to resiliently hold the sticking pin in an inoperative position.

2,455,038

APPARATUS FOR BUILDING TIRES

Walter J. Breth, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application June 14, 1944, Serial No. 540,306
17 Claims. (Cl. 154—10)



12. A tire building machine comprising a tire building drum having an end opening and a bead seating shoulder portion surrounding the opening, an expansible fabric folding member movable axially into and out of an end opening of the drum to an inner position within the drum or to an outer position laterally clear of the drum, said member having a fabric engaging periphery normally of slightly less diameter than said opening, means operable while said folding member is in its inner position to fold an inner fabric ply radially inwardly over the drum shoulder and to apply a bead ring to the fabric overlying the shoulder, means for moving said folding member axially outwardly to fold the inner ply against the interior of the bead ring, means operable while said folding member is in its outer position to fold an outer ply of fabric radially inwardly over the outside of the bead ring, means for moving said folding member inwardly to fold said outer ply against the interior of the bead ring, and means for expanding said folding member to apply radial pressure to the interior of the bead.

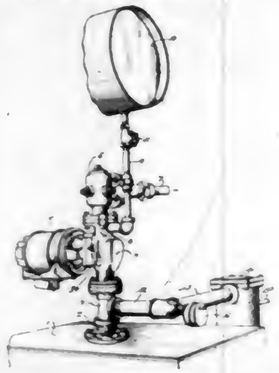
16. A tire building machine comprising a tire building drum having a bead positioning shoulder at an end thereof, a fabric folding disc coaxial with the drum and of a diameter but slightly less than the bead opening of the tire, said disc being movable axially toward and away from said end of the drum, power operated means for moving said disc outwardly to a position beyond the end of the drum and inwardly into the bead opening of a tire on the drum, a mechanism for folding outer plies of tire fabric inwardly over the outer face of the tire bead and into the path of said disc while said disc is spaced outwardly from the end of the drum and means to move the disc axially toward the drum to fold the fabric against the interior of the tire bead.

2,455,039

HOT-WATER HEATING SYSTEM

Frederick C. Broderick, Glencoe, Ill.

Application September 18, 1944, Serial No. 554,683
4 Claims. (Cl. 237—8)



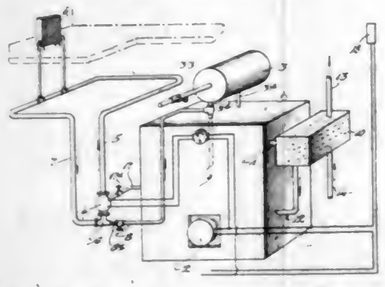
2. In a combined hot water system for heating space and domestic water comprising a supply boiler, a radiator supply conduit, a heat exchanger supply conduit and a pump for moving heated water to the radiator supply conduit, a diversion T positioned in the system between the boiler and the supply conduits and adapted to direct some of the water moved by the pump to each supply conduit and a check valve between the T and the radiator supply conduit to prevent water not moved by the pump from entering the radiator supply conduit.

2,455,040

HEATING SYSTEM

Frederick C. Broderick, Glencoe, Ill.

Application September 18, 1944, Serial No. 554,684
5 Claims. (Cl. 237—63)



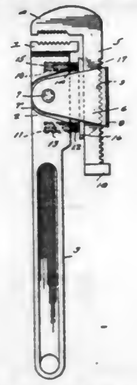
2. In a hot water system comprising a boiler, a pump, radiating elements, a supply pipe from said pump to said radiating elements, a return pipe from said radiating elements, means for continuously directing a portion of the flow of return water to the pump and a portion to the boiler, said means comprising a three port connection, one port leading from the return pipe, another to the pump, a return conduit leading from the other port to the boiler, a supply conduit from the boiler to the pump, manual valves in said conduits for proportioning the flow of return and supply water to the pump, an expansion tank on said boiler and connected therewith, said return conduit leading to a point above the boiler and into said boiler therefrom and a pipe connecting said return conduit to said tank at a point above the boiler.

2,455,041

PIPE WRENCH HAVING A PIVOTED AND ADJUSTABLE OUTER JAW

Rochelle D. Bryan, Glenmora, La.

Application August 14, 1945, Serial No. 610,799
1 Claim. (Cl. 81—103)



A quick acting pipe wrench comprising a relatively stationary jaw element comprising a shank stock terminating at its lower end in a handle, a fixed jaw on the upper end of said stock having an upper toothed jaw face arranged at right angles to said stock, a pair of vertically spaced bores opening through one side of said stock, said bores being parallel to said fixed jaw, helical springs fitting said bores and projecting axially beyond said one side of said stock, pins axially inserted in the outer ends of said helical springs and extending into said bores whereby said pins are yieldably restricted to axial movement in said bores parallel to said fixed jaw and are permitted only limited lateral movement in said bores, a saddle extending between and fixed to the outer ends of said pins, said springs, pins and saddle being arranged relative to each other in a manner to maintain said saddle parallel to said stock and at right angles to said fixed jaw, a movable jaw element comprising a straight shank of rectangular cross-section having a jaw on its upper end projecting laterally therefrom and having a toothed gripping face on its underside confronting and co-extensive with said fixed jaw and extending at right angles to said straight shank, the side of said straight shank adjacent said shank stock of said stationary jaw element slidably engaging said saddle, the side of said shank of said movable jaw element remote from said shank stock being formed therealong with teeth, a U-shaped yoke having legs slidably engaging the opposite sides of said straight shank and pivotally engaging said shank stock, said yoke having a flat web portion, teeth on the inner surface of said flat web portion to interengage with the teeth on said movable jaw element shank and prevent longitudinal movement of the jaw elements relative to each other, and a pivot pin extending through said yoke legs and said shank stock at a point intermediate said bores in said shank stock on an axis at right angles to said bores, said helical springs being compressed between the inner ends of said bores and said saddle whereby said saddle is constantly yieldably engaged with the adjacent side of said straight shank of said movable jaw element.

2,455,042

PROCESS OF PLASTICIZING POLYVINYL CHLORIDE COMPOSITIONS

Leslie Budworth Morgan, Baguley, and Paul Russell, Austin Atkinson Gibson, Robert Arbuthnott Kinnear, and Reginald Grime Heyes, Welwyn Garden City, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 16, 1946, Serial No. 670,310. In Great Britain March 28, 1945
11 Claims. (Cl. 260—34.2)

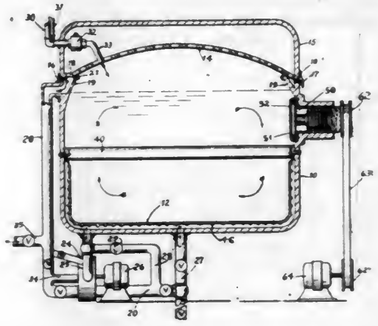
1. The process of producing improved polyvinyl chloride compositions which comprises heating a powdered vinyl chloride polymer in which the vinyl chloride content is at least 95% and which is substantially free of volatile constituents, at a temperature between 75° C. and 150° C. until the polymer partially softens, and thereafter uniformly distributing the polymer at a temperature below 60° C. in a substantially non-volatile plasticising agent in which it is substantially insoluble at room temperature.

2,455,043

CLOTHES CLEANSING AND FLUID EXTRACTING APPARATUS HAVING A FLEXIBLE CLOTHES SQUEEZING DIAPHRAGM

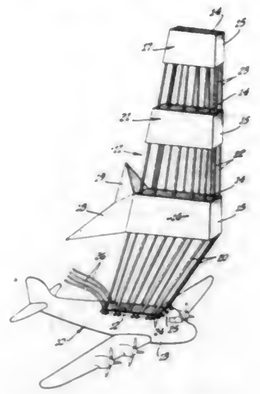
Taylor P. Calhoun, Worcester, Mass.; Ann E. Calhoun administratrix of said Taylor P. Calhoun, deceased

Application April 5, 1946, Serial No. 659,792
12 Claims. (Cl. 68—21)



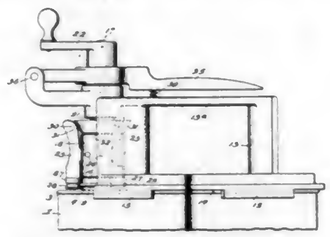
1. Laundry apparatus comprising a tub for a cleansing fluid, a perforated partition therein and a cup shaped, impervious, flexible diaphragm therebelow forming a washing and clothes squeezing chamber, means for moving the diaphragm to squeeze clothes against the partition and a clothes washing device mounted on a tub wall independently of the diaphragm which has a fluid impeller movable from an operative to an inoperative impelling relationship with said fluid and to a position where it does not materially interfere with the squeezing movement of the diaphragm.

2,455,044
PARACHUTE
Harry Caplan, Los Angeles, Calif.
Application November 19, 1945, Serial No. 629,587
7 Claims. (Cl. 244—139)



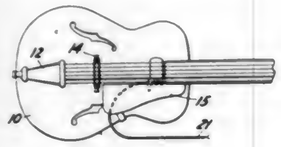
1. In apparatus of the character described, an airplane, a parachute comprising a box-like fabric frame having sides and a top, means comprising a plurality of lines connecting said parachute with said airplane, and an auxiliary parachute connected to one side of said fabric parachute frame, tapered to a point to maintain the first-named frame in predetermined relationship with the direction of the air flow around said first-named parachute and supplement the latter in suspending the airplane.

2,455,045
HAND SEALER FOR CONTAINERS
John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 6, 1945, Serial No. 603,549
2 Claims. (Cl. 113—24)



1. A hand sealer for container closures comprising a supporting frame adapted to rest on the end seam of a container having a nozzle, means carried by the frame for preventing lateral movement thereof on the end seam, said frame having a bearing centered directly over the nozzle of the container, a sleeve mounted in said bearing for rotation and for endwise movement, a crank attached to the sleeve for rotating the same, a hand operated lever pivoted to the frame and connected to the sleeve for moving said sleeve endwise, a shaft mounted in said sleeve and means for connecting the shaft to the sleeve whereby the shaft is rotated with the sleeve and the sleeve is permitted to move endwise of the shaft, a sealing head mounted on said shaft and rotatable therewith, a chuck carried by the shaft and sealing head so that the shaft and head may rotate relative to the chuck, a plurality of seaming levers carried by said head, curling rollers carried by said levers, springs associated with the levers for moving the curling rollers radially outwardly away from the chuck, and a control cam carried at the lower end of said sleeve and adapted to engage the upper ends of said levers for moving the curling rollers inwardly toward the chuck.

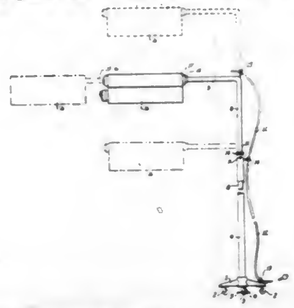
2,455,046
GUITAR MAGNETIC MICROPHONE
Harry De Armond, Toledo, Ohio, assignor to Rowe Industries, Toledo, Ohio
Application March 20, 1946, Serial No. 655,759
3 Claims. (Cl. 84—1.16)



1. In an electromagnetic pick up device, said pick up adapted to fit between the strings and casing of a musical instrument and including a thin, oblong shaped casing having an open, box-like base portion and a top cover portion, the core of said electromagnetic device comprising a flat elongated magnet, magnetized from one flat face as one pole to the other flat face as the other pole, a juxtaposed section of non-magnetic material and a second piece of elongated magnetic material positioned at right angles to said first-mentioned magnet, said sections forming a thin transversely magnetized core of compact construction; a winding consisting of a large number of turns of conductive wire surrounding said three elements of said core binding the same in correlative position, said winding being located between said core and the walls of said box-like base, said base forming one of the pole pieces of said magnets; the other pole including two metal pieces, including one flat elongated section of metal extending over one end of said windings and said first mentioned elongated magnetic material of said core; and another pole piece located over said last mentioned magnet and having a tongue extending over the other end portion of said winding said top cover being of magnetically impermeable material and having a depending flange closely fitting over the side walls of said bottom box-like base portion of said casing to retain the parts in assembled position.

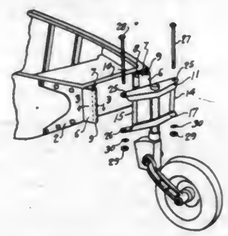
2,455,047
ADJUSTABLE HEATER SUPPORT
Charles C. Doyle, Willoughby, Ohio
Application February 15, 1945, Serial No. 578,103
1 Claim. (Cl. 248—161)

In combination as a support for an electric heater having an elongated, concavo-convex body, a horizontal arm on which said body is mounted for both sliding and rotation to change the position of its operative face with reference to the work, means for securing the body to the arm in adjusted position and a pedestal comprising a pair of telescopically connected mem-



bers permitting adjustment of said arm vertically and also about a vertical axis.

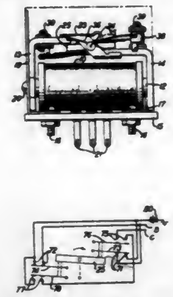
2,455,048
ATTACHMENT FOR TRAILER BOAT CASTER UNITS
Stanley R. Du Brie, Detroit, Mich., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich., a corporation of Michigan
Application June 4, 1947, Serial No. 752,347
7 Claims. (Cl. 9—1)



1. Means for attaching a caster unit to an end of a trailer boat comprising a pair of metal straps adapted to be secured to the opposite sides, and adjacent the end, of a boat, said straps each having a portion adapted to project beyond the end of the boat, a pair of vertical sockets supported one on each of the projecting ends of the straps, a rigid framework having a pair of vertically opposed openings at each end, a caster wheel swiveled on said framework centrally thereof, the said framework being positioned over said socket members with the opposed openings aligned with, and positioned at the opposite ends of, the socket members, and means passing through said openings and socket members for detachably securing the framework to the socket members.

2,455,049
SHOCKPROOF ELECTROMAGNETIC CIRCUIT CONTROLLER
Paul G. Edwards and Harold W. Herrington, Verona, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 15, 1944, Serial No. 526,530
4 Claims. (Cl. 200—87)

1. In a shock-proof switching device, a dynamically balanced armature mounted for rotation about its transverse center axis, a contact spring fixed to the upper surface of said armature, a contact spring fixed to the lower surface of said armature, and a pair of circuit terminating stationary contacts for each of said contact springs having corresponding contacts electrically interconnected, said pairs of contacts being so disposed relative to their corresponding contact springs that each pair of stationary contacts is bridged thereby when said armature is in its normal position to effect duplicate parallel

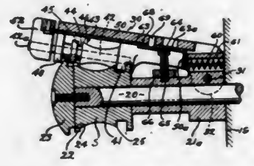


closures of the circuit terminated by said stationary contacts, the arrangement of said springs on said armature relative to their stationary contacts being such that the accidental movement of said springs, caused by shock, relative to their stationary contacts precludes the simultaneous openings of the bridges effected by said springs.

2,455,050
NONDUSTING DETERGENT COMPOSITIONS
Sidney Eisenberger, New York, and Samuel Machlis, New Rochelle, N. Y., assignors to O. D. Chemical Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 11, 1947, Serial No. 721,666
6 Claims. (Cl. 252—138)

4. A non-dusting detergent composition consisting essentially of from about 10% to 50% of a complex mixture of alkyl naphthalene sulfonates in which the alkyl groups contain from 3 to 6 carbon atoms, about 10% to 50% of tetrasodium pyrophosphate and from about 15% to 40% of at least one alkali-metal carbonate from the class consisting of soda ash and sodium bicarbonate, together with a small fraction of 1% of diethylene glycol stearate intimately distributed therein.

2,455,051
FILM SPROCKET CLAMP
Henry N. Fairbanks, Beverly Hills, Calif., assignor to Mitchell Camera Corporation, West Hollywood, Calif., a corporation of Delaware
Application September 24, 1945, Serial No. 618,160
9 Claims. (Cl. 271—2.3)



7. A clamp device for a film sprocket which is journalled on and projects outwardly axially from a stationary mounting member, said clamp device comprising an elongate body, means pivoting an inner end of the body to the mounting

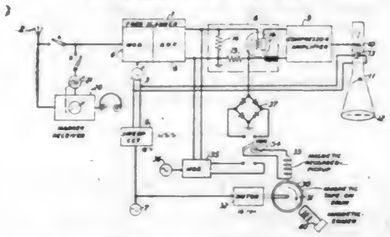
member on an axis transverse of the sprocket axis so that the body may lie in a film confining position projecting outwardly adjacent the sprocket and substantially parallel to its axis or may be swung away from the sprocket, film engaging means carried by the body and adapted to confine a film against the sprocket when the body is in its first mentioned position, and means for releasably locking the body in its first mentioned position, said means comprising a longitudinally extending and longitudinally slidable latch bar carried by the body, a spring acting on the latch bar to move it in one direction, and a locking member mounted on the mounting member and having a shoulder with which an edge of the latch bar is engageable by movement of the bar in said direction.

2,455,052

SIGNAL RECEIVING SYSTEM

Harold J. Fisher, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 17, 1944, Serial No. 540,867
6 Claims. (Cl. 250—20)



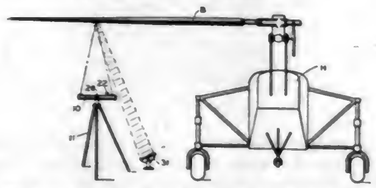
1. In combination, a wave receiver including means for cyclically scanning a predetermined frequency range and selecting in repeated succession such received waves of different frequencies as may be present therein, means responsive to waves selected by said last-mentioned means for creating visual indications individual to the waves of different frequencies that are present, means for applying oscillations of definite frequency to said receiver at will exclusively of said received waves whereby said oscillations may be cyclically selected thereby, and means controlled by the oscillations so selected for preventing response of said responsive means to selected waves of a particular frequency without interfering with the response to selected waves of a different frequency.

2,455,053

OPTICAL METHOD AND APPARATUS FOR CHECKING PROPELLER BLADES

Edward F. Flint, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application March 9, 1945, Serial No. 581,847
8 Claims. (Cl. 88—14)



1. The method of indicating the positions of the blades of a propeller relative to a fixed plane while the propeller is being rotated which comprises the steps of providing aligning indicia means on each blade with the indicia means placed at a different distance from the propeller axis for each blade, rotating the propeller and simultaneously forming at least two adjacent images of each indicia means in an image field in said plane in such a manner that the relative positions of the adjacent images of the several indicia means are, respectively, functions of the distances from the indicia means to the image field and hence indicate the relative positions of the respective blades relative to the plane.

2,455,054

WATER DISPERSIBLE PHENOTHIAZINE AND METHOD OF PRODUCING SAME

Lyle M. Geiger, Edgewood, and Donald L. Marsh, Avalon, Pa., assignors to The Neville Company, Neville Island, Pa., a corporation of Pennsylvania

No Drawing. Application October 24, 1946, Serial No. 705,478
8 Claims. (Cl. 167—53)

2. A water wettable, dry, powdered phenothiazine composition for use in preparing free-flowing, stable, aqueous suspensions, comprising phenothiazine, at least about 0.15% by weight of an alkyl benzene alkali metal sulfonate in which the alkyl substituent contains at least 3 carbon atoms, and at least about 0.05% by weight of a water soluble peptizing agent having the following general formula:



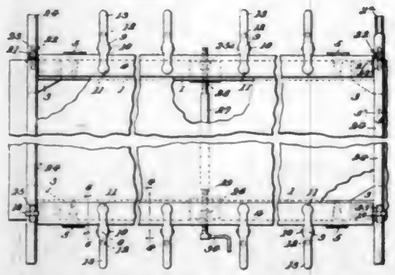
in which R_1 is selected from the group consisting of hydrogen, hydroxyalkyl, and aminoalkyl, R_2 and R_3 are selected from the group consisting of hydrogen and hydroxyalkyl, and in which R_1 and R_3 when connected together form a six-membered heterocyclic ring selected from the group consisting of oxazines and azines.

2,455,055

CURING FRAME FOR RESIN IMPREGNATED STOCK SHEETS

Harry C. Gray, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application September 7, 1944, Serial No. 553,073
3 Claims. (Cl. 154—1)



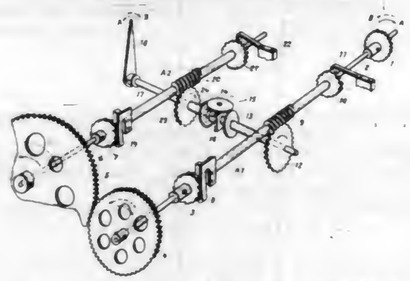
1. A curing frame for resin impregnated laminated stock sheets comprising spaced side bars and spaced end bars rigidly connected to form a frame for supporting the stock sheets, means associated with each side bar for clamping the side edge portions of the stock sheets thereto, a clamping bar associated with each end for engaging the stock sheets and clamping the same against the bar, a presser bar associated with the clamping bar, said presser bar being bent downwardly intermediate its ends and clamping bolts disposed at the ends of said presser bar for holding said presser bar when pressed against said clamping bar to a straight position whereby a uniform clamping force is applied to the clamping bar from end to end thereof.

2,455,056

ACCUMULATOR METER

John Ernst Hagdahl, Stockholm, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden

Application September 11, 1944, Serial No. 553,646
In Sweden November 16, 1943
5 Claims. (Cl. 171—34)



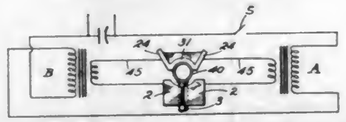
1. Accumulator meter device comprising an energy meter, a pointer and a mechanical transmission device for transmitting movement of the meter rotor to the pointer in accordance with the direction of the rotation of said rotor, said transmission device comprising a differential gear, one of the three movable members of which being connected to the shaft of said pointer, two shafts, each carrying a gear element designed to drive one of the two remaining movable elements of said differential gear, separate means for stopping the rotation of each of said shafts in one direction, two further shafts, each carrying a gear wheel, said two wheels meshing with one another, one of said last mentioned shafts being driven by said rotor, and in turn designed to drive one of said first mentioned two shafts in one direction only by means of a clutch, the second of said last mentioned shafts being designed to drive the other of said first mentioned shafts in one direction only by means of a second clutch.

2,455,057

ELECTRIC WELDING APPARATUS

Kenneth V. Hart, Cleveland, Ohio

Application November 7, 1946, Serial No. 708,276
12 Claims. (Cl. 219—4)



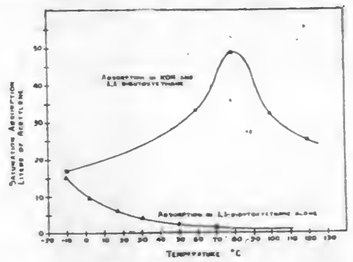
1. Welding apparatus comprising an article pressing die, a multipart tube clamping die and transformer secondary means connected in parallel to said pressing die at a plurality of spaced places and to each of the parts of the said clamping die.

2,455,058

PROCESS FOR REACTING ACETYLENE AND POTASSIUM HYDROXIDE

Daniel F. Herman, Philadelphia, Pa., assignor to Publicker Industries Inc., Philadelphia, Pa.

Application September 12, 1946, Serial No. 696,599
11 Claims. (Cl. 260—665)



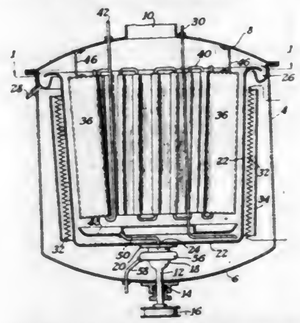
7. A process of the character described comprising forming a suspension of finely-divided potassium hydroxide in a substantially water-immiscible inert organic solvent, adjusting the temperature to about 50–120° C. and passing in a member of the group consisting of acetylene and its homologs and derivatives having a hydrogen on a triple-bond carbon, while maintaining the temperature at about 50–120° C.

2,455,059

VACUUM UNOBSTRUCTED PATH DISTILLATION APPARATUS

Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

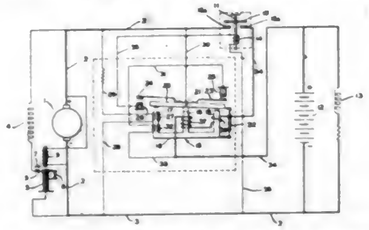
Application April 5, 1945, Serial No. 586,810
9 Claims. (Cl. 202—205)



1. Vacuum unobstructed path distillation apparatus comprising in combination a vaporizing surface over which distilland is caused to flow in a thin film, means for heating the vaporizing surface, means for introducing distilland onto the vaporizing surface, means for removing undistilled residue from the vaporizing surface, a plurality of condensing elements positioned opposite to the vaporizing surface and separated therefrom by substantially unobstructed space, the principal condensing surfaces of said elements converging with respect to each other, as the parts of the element farthest from the vaporizing surface are approached, means for cooling the condensing elements, means for removing condensate from the condensing elements and a conduit for evacuating gases from the space between the vaporizing surface and the condensing elements, which con-

duit is positioned so that gases passing therethrough must, to a large extent, first pass through the converging spaces between the condensing elements.

2,455,060
REVERSE CURRENT RELAY AND SYSTEM
William R. Holmes, New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 26, 1946, Serial No. 686,484
7 Claims. (Cl. 320—33)



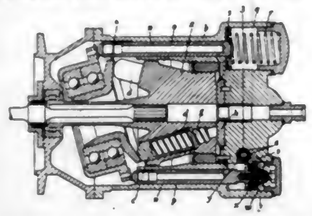
1. A relay mechanism to control connection and disconnection of a generator to a battery charging circuit, comprising, in combination, an E-shaped magnet core, a pair of coils wound on an outer leg of the E-shaped core, one of said coils responsive to the output voltage of the generator and the other of said coils responsive to the current flow between the generator and battery circuit, other current coils wound on the center leg and other outer leg of the E-shaped core and responsive to the flow of current between the generator and battery circuit, and an armature cooperating with the legs of said E-shaped core and including switch elements for connecting said current coils in and out of operation.

2,455,061
TREATMENT OF LIQUID HYDROCARBONS
Charles O. Hoover, Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 31, 1945, Serial No. 575,567
5 Claims. (Cl. 196—30)

1. The method of eliminating sulphur in the form of hydrogen sulfide, mercaptans or disulfides from liquid hydrocarbons which comprises treating the liquid hydrocarbon with cuprous naphthenate.

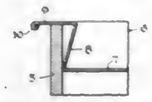
2,455,062
VARIABLE STROKE PUMP
Richard Joseph Ifield, Ealing, London, England, assignor to Joseph Lucas Limited, Birmingham, England
Application December 29, 1944, Serial No. 570,439
In Great Britain July 12, 1943
1 Claim. (Cl. 103—162)

A variable stroke pump comprising in combination a casing, a rotary cylinder block mounted in the casing, plungers slidable in the cylinder block, a pivotally mounted swash plate adapted by co-operation with the plungers to impart movement thereto during rotation of the cylinder block, and also to vary the stroke of the plungers, an inlet through which fluid can flow into the cylinder block in response to movement of the plungers in one direction, an outlet through which fluid can be delivered by movement of the plungers in the opposite direction, a pair of additional plungers adapted to impart opposite movements to the swash plate, a spring acting on one of the additional plungers, a chamber at one end of the other additional plunger, a piston slidable in the chamber and adapted to act on the associ-



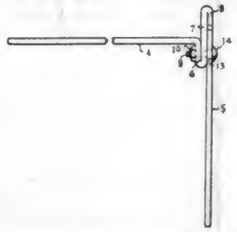
ated additional plunger, a spring loaded valve responsive to the delivery pressure of the pump, and a pair of fluid passages which are respectively connected to the inlet and outlet and which are alternatively connectible to the said chamber under the control of the valve.

2,455,063
METHOD OF FORMING METAL CLOSURES FOR PAPER CONTAINERS
George F. Jackson, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 7, 1943, Serial No. 505,346
1 Claim. (Cl. 93—55.1)



The herein described method of forming a metal end closure on a paper container body which consists in inserting in an open end of a paper container body a metallic end closure having a central body portion merging into an inwardly and endwise tapered heel and an outwardly turned flange, then bending said flange down over the open end of the body and against the outside wall of the body end in the form of a skirt to dispose said skirt in substantially parallel spaced relation to said heel and clamp the body end portion between said heel and skirt in inwardly and endwise tapering relation to the main body of the container.

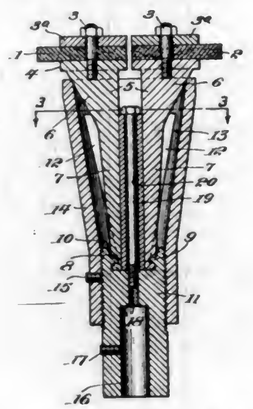
2,455,064
SPECIAL PURPOSE FILE
George L. Johnson, Detroit, Mich., assignor of one-fourth to Fred J. Heideman, Detroit, Mich.
Application October 4, 1944, Serial No. 557,167
2 Claims. (Cl. 29—78)



1. A file comprising an elongated body having a bent end portion, a working member having

cutting serrations and having an end portion formed with an opening and with a slot more narrow than said opening extending to the end of said portion; a fastening element securing the working member to the bent end portion of said body and comprising a shank adapted to pass through said slot, said shank having an enlargement to fit said opening of the working member, and means on the working member and body for normally restraining the working member from pivotal movement on said fastening element, said element being adjustable lengthwise to disengage said enlargement from said opening and the working member then being releasable from said restraining means by shifting said member lengthwise to accommodate said fastening element in said slot.

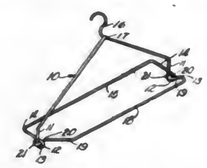
2,455,065
ADJUSTABLE INTERNAL EXPANSION GRINDER
Spencer R. Keller, Handley, W. Va.
Application April 17, 1945, Serial No. 588,736
15 Claims. (Cl. 51—184.1)



1. An adjustable internal grinding device, comprising a segmental disk-like grinding wheel, supporting arms on which the segments of the grinding wheel are mounted, a sleeve, means pivotally mounting said arms on said sleeve whereby said arms are adapted to move the segments of said grinding wheel away from the center of the wheel when rotated, an arm supporting guide and anchor member for the arms mounted on said sleeve to prevent detachment of the arms from said sleeve, said arms having angular heads, the sleeve for pivotally mounting said arms having a socket in the outer end thereof for attaching the grinding device to the arbor of a power element, and a hollow cone-shaped sleeve on said first mentioned sleeve and engaging the arms to adjust the outward movement of the arms and segments of the grinding wheel.

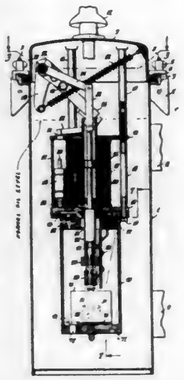
2,455,066
GARMENT HANGER
Paul S. Kempf, Brookline, Mass.
Application June 5, 1947, Serial No. 752,647
6 Claims. (Cl. 223—91)

1. A garment hanger comprising a support, a cross bar carried by the support and stationary with relation thereto, a movable cross bar to be arranged above the stationary cross bar when in its closed position, and means effecting adjustable connections between the movable cross bar and relatively stationary cross bar so that the movable cross bar may be shifted laterally to an open



position and spaced substantially horizontally from the stationary cross bar and including stops to positively support the movable cross bar against downward movement from the open position.

2,455,067
AUTOMATIC RECLOSING CIRCUIT BREAKER
William D. Kyle, Jr., Milwaukee, and Carl Schindler, Wauwatosa, Wis., assignors to Line Material Company, a corporation of Delaware
Original application June 6, 1941, Serial No. 396,850. Divided and this application July 17, 1943, Serial No. 495,118
5 Claims. (Cl. 200—88)

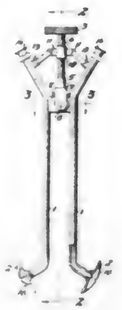


2. In a device of the class described, contact means normally biased closed, normally restrained lockout means permanently biased towards lockout position for moving said contact means to open position and for locking said contact means in open position, an electromagnet controlled by said contact means and arranged to open said contact means on overload exceeding a predetermined current value and arranged to act as a heating means, and thermostatic means responsive to the temperature of said electromagnet and arranged to release said lockout means for current of lesser value than that required for the opening of said contact means by said electromagnet.

2,455,068
TONSILLAR INSTRUMENT
Victor E. Landry, Pittsburgh, Pa.
Application June 12, 1946, Serial No. 676,171
1 Claim. (Cl. 128—325)

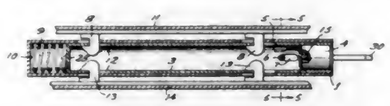
In a postoperative tonsillar instrument, a pair of tubes having angular directed portions at one end thereof, knobs attached to the angular di-

rected portions of the tubes, plates attached to the tubes, a threaded rod pivotally connected to



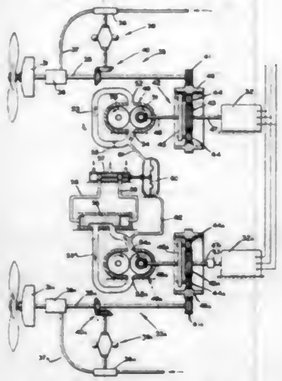
the plates, a collar threaded on the rod, and arms connected to the collar and tubes.

2,455,069
TUBE LOCK
William D. Launder, Los Angeles, Calif.
Application July 17, 1946, Serial No. 684,288
1 Claim. (Cl. 70—77)



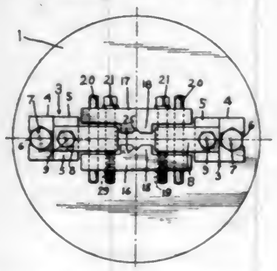
A latching and locking device for attachment to a first member for securing a second member thereto comprising in combination an outer elongated cylindrical sleeve adapted to be attached to one of the members and having a latch-hook receiving slot therein, an inner sleeve telescopingly slidable within said outer sleeve and having a longitudinal slot, a pin diametrically fixed to said outer sleeve and passing through said longitudinal slot for holding said inner sleeve against rotary movement relative to said outer sleeve and for limiting axial sliding movements of said inner sleeve in said outer sleeve, said inner sleeve being provided with a latch-hook receiving slot in the plane of, and adapted to register with, the latch-hook receiving slot in said outer sleeve whereby said latch-hook receiving slots are shifted into and out of register with each other by inward and outward sliding movement, respectively, of said inner sleeve relative to said outer sleeve, a latch hook adapted to be secured to the other of the members, said latch hook being adapted to pass through said latch-hook receiving slots when in register with each other and to be held therein when said slots are moved out of register, spring means between the ends of said sleeves for yieldingly opposing inward movement of the inner sleeve, thereby yieldingly holding said latch-receiving slots out of register with each other and said latch means against disengagement from said slots, a cylinder lock having a rotatable barrel and secured to one end of said inner sleeve, a lug secured to the rotatable barrel of said cylinder lock and adapted to be rotated into and out of the plane of said diametrical pin, whereby said inner sleeve is held against inward movement or freed for said movement, respectively.

2,455,070
SYNCHRONIZING MECHANISM
Donald Malcolm Lawrence, Wood-Ridge, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 17, 1946, Serial No. 684,384
9 Claims. (Cl. 322—36)



1. A device of the character described, comprising, in combination a first engine, a constant speed drive, a generator driven by said first engine through said drive, first torque responsive means subject to the torque applied through said constant speed drive to said generator; a second engine, a variable speed drive, another generator driven by said engine through said variable speed drive, said generators being electrically connected in parallel relation to output lines, second torque responsive means subject to the torque applied through said variable speed drive to said other generator, differential torque responsive means operatively affected by said first and second torque responsive means for controlling said variable speed drive so as to maintain a predetermined division of load between said generators.

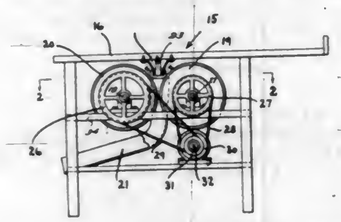
2,455,071
LATHE DOG
Joseph C. Leone, Roxbury, Mass.
Application August 27, 1945, Serial No. 612,897
4 Claims. (Cl. 82—41)



1. A lathe dog comprising anchoring members, means fixedly securing said anchoring members to the face plate of the lathe on opposite sides of the center thereof, each anchoring member having laterally extending guiding flanges, two separate jaw holding members, one of which is received between the guiding flanges of each anchoring member and extends inwardly therefrom in a direction radially of the face plate, a pair

of jaws mounted on the inner ends of the jaw supporting members, and means for adjusting the jaws toward and from each other comprising two adjusting screws, each extending loosely through one jaw and having screw-threaded engagement with the other jaw.

2,455,072
FRUIT CUTTER AND PITTER WITH ROTARY BLADES
Curtis Lindley, Jr., Empire, Calif.
Application April 3, 1945, Serial No. 586,312
2 Claims. (Cl. 146—73)



1. A fruit cutter and pitter comprising a table having a top formed with a fruit feeding aperture extending therethrough and supporting legs and cross bracing bars connected between said legs, rotatable aligned cutter blades adjustably supported on said bars for selectively varying the distance between said blades, means for rotating said blades, depending arcuate resilient fruit feeding fingers disposed radially about the aperture in said table top being secured to the under surface thereof, and a discharge chute interposed between and below said cutter blades terminating at its upper end adjacent the lower ends of said resilient feed fingers, whereby fruit fed through the feed aperture in the table top will be held by said fingers in position while cutting and the cut fruit passing immediately to and through said discharge chute.

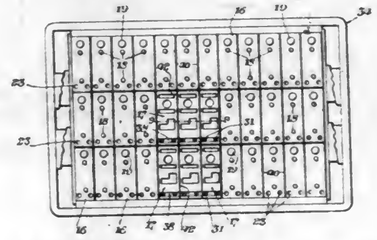
2,455,073
PRODUCTION OF STAINLESS STEEL
Donald L. Loveless, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application November 14, 1945, Serial No. 628,673
7 Claims. (Cl. 75—12)

2. In producing stainless steel of 0.03% maximum carbon content using chrome ore as a principal source of chromium in an electric arc furnace having carbonaceous electrodes, the art which comprises melting down a charge arranged for maximum carbon elimination and decreased carbon pick-up and consisting principally of chrome ore disposed along the banks of said furnace, and in such amount as to be decarbonized during the melting operation, base steel scrap over the furnace bottom, a material high in iron oxide in the middle of the furnace and scrap, and stainless steel scrap over the chrome ore; adding further amounts of chrome ore during said melting while maintaining the melted metal at a boil, thereby forming an iron and chromium rich bath having a low carbon content and a supernatant slag thereon including iron and chromium oxides; and adding crushed ferrosilicon, relieved substantially of relatively high-carbon fines of less than approximately one-inch screen size, for recovering the metallic iron and chromium from their oxides in the slag.

2,455,074
PRODUCTION OF STAINLESS STEEL
Donald L. Loveless, Baltimore, Md., assignor to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application February 18, 1946, Serial No. 648,564
5 Claims. (Cl. 75—12)

5. In producing chromium-nickel stainless steel of low carbon content in an electric arc furnace having carbonaceous electrodes, the art which comprises melting down a charge consisting principally of chrome ore disposed along the banks of the furnace, base steel scrap on the bottom of the furnace, stainless steel scrap on the chrome ore, and oxidizing material including substantial quantities of nickel oxide on the base steel scrap, thereby forming a chromium-rich and iron-rich bath having a low carbon content and a supernatant slag thereon including chromium and nickel oxides; and adding to the slag crushed ferrosilicon which has been substantially relieved of fines for recovering the metallic chromium and nickel from their oxides.

2,455,075
PRINTING PLATE AND BASE MOUNT THEREFOR
William A. Madigan, Barberton, Ohio, assignor to The Diamond Match Company, New York, N. Y., a corporation of Delaware
Application February 12, 1947, Serial No. 728,053
5 Claims. (Cl. 101—384)

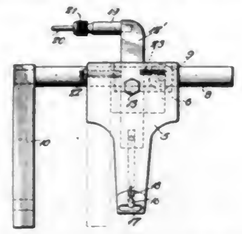


1. A printing plate having in its under surface spaced sockets located at predetermined positions in relation to the printing matter on the upper surface of the plate and having also in its under surface at one end of the plate a guide and clamp recess, in combination with a base mount for said plate comprising a body having upstanding projections located in mating relation to said sockets, and clamping means supported by said body, said means including a vertically movable clamping member located at the top of said body and slidably received by the end recess of said printing plate, said recess and clamping means being so constructed and arranged that by actuation of the latter the plate can be raised or lowered in respect to the upper surface of the body of the mount.

2,455,076
SINGLE CONTACT DIAL INDICATOR
Harry G. Magealson, Kokomo, Ind.
Application February 23, 1945, Serial No. 579,454
3 Claims. (Cl. 33—172)

1. An indicator for a lathe of the type including a lathe compound adapted to carry a cutting tool and having longitudinal and transverse feeding means and also including a lathe head stock adapted for holding work thereon, said indicator comprising a plate having spaced apertured ears extending in a plane transversely to the plane of

the plate, means extending through the ears and adjustably secured therein and attached to the compound for movement therewith, a lever pivoted to the plate between the ears, said pivot being intermediate of the ends of said lever thereby forming an upper and a lower arm, a pin mounted on the extremity of said upper arm at right angles thereto, a contact finger adjustably attached to the pin for contacting the work, said lower arm having a forwardly-projecting portion



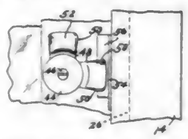
attached to its extremity, an upstanding pointer on this forwardly-extending portion, a lower part of the plate having an opening for receiving the forwardly-projecting portion of the lower arm, a scale for the pointer on the front face of the plate and above the opening, an adjustable stop mounted in an ear and engaging one side of the upper lever arm, and a spring engaging the other side of said lever arm and re-acting against the other ear.

2,455,077

DETACHABLE SASH FASTENER

Frank Mastrangelo, Fitchburg, Mass., assignor of one-half to Faustina Mastrangelo, Lunenburg, and one-half to Bianca Mastrangelo, Fitchburg, Mass.

Application November 18, 1944, Serial No. 564,018
1 Claim. (Cl. 292—241)



Latch for detachable sash comprising a rotary member adapted to be mounted on the detachable sash for co-action with a cam member on a permanent support, a plurality of radial fingers on the rotary member, said fingers each having a curved under surface for engagement with the cam, each finger being selectively operable as a latching member or a handle, and including flanges on the fingers providing finger grips.

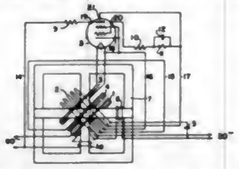
2,455,078

FREQUENCY CHANGER

Harold J. McCreary, Lombard, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application August 15, 1946, Serial No. 690,623
19 Claims. (Cl. 172—281)

1. In an automatic starting frequency changer, a saturable magnetic core structure consisting of two crossed legs of different permeability, series primary windings disposed diagonally through opposite corners and around the lower permeability leg of the said saturable core structure with a source of alternating current connected thereto, a resonant circuit including a secondary winding disposed diagonally through the opposite corners of the crossed legs of said core structure, a grid controlled rectifier means arranged to supply rectified excitation current pulses to said



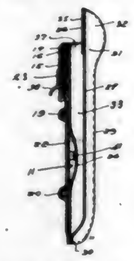
secondary winding to provide saturation of said high permeability leg to thereby permit mutual induction between said primary and secondary windings.

2,455,079

SAFETY EYEGLASS CASE

Warren Henry Mercer, Anaheim, Calif.

Application August 2, 1945, Serial No. 608,481
1 Claim. (Cl. 206—6)



An eye-glass case including a receptacle open at its upper end and having a front wall forming a closed pocket and a cooperating rear wall sewed thereto along its bottom and opposite sides, a stiffening plate having an upper flap hinged thereto disposed in said closed pocket, a sheet of flexible material secured to the front and rear walls, spaced transversely extending reinforcing and stiffening ribs on the forward surface of said plate, a resilient finger on the rear of said plate and extending transversely thereof for retaining eye glasses when placed in said case, said sheet of flexible material being interposed between the resilient finger and said rear wall, and an operating finger on the upper flap of said plate whereby the same may be turned down over the outer edge of a pocket when the case is placed therein for locking the same in and to said pocket.

2,455,080

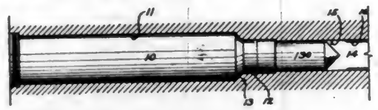
ORDNANCE CHAMBRAGE AND CARTRIDGE CASE

Ralph Waldo Miller, Topango, and Edward Baden Powell, San Diego, Calif., assignors, by direct and mesne assignments, of seventy-five per cent to said Powell, Pasadena, Calif., and twenty-five per cent to said Miller

Application December 4, 1944, Serial No. 566,576
6 Claims. (Cl. 42—76)

1. In a gun barrel having a projectile receiving bore and a coaxial combustible-charge-receiving walled chamber of larger diameter than the bore, a coaxial annular shoulder surface joining the walls of the chamber and bore, said surface being internally convex in an axial plane and having substantially circular curvature, said surface being non-tangent to both the chamber and bore walls

and the chordal line of the shoulder arc running through its intersections with the chamber and



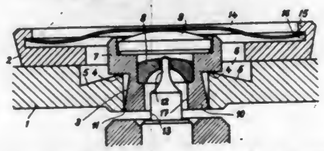
bore walls extending inwardly and forwardly of the barrel axis.

2,455,081

SHOCK ABSORBING BEARING

Ernest Morf, La Chaux-de-Fonds, Switzerland

Application September 10, 1943, Serial No. 501,871
In Switzerland January 11, 1943
1 Claim. (Cl. 58—140)



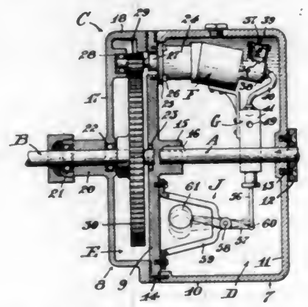
In combination, a spindle with a pivot and a portion extending from said pivot, a bearing piece supporting said pivot in radial direction, a plate having a cylindrical hole, a member supported on an edge of said cylindrical hole, said member having a seat for said bearing piece and an extension with conical envelope extending from said seat towards and into reach of said portion and into said cylindrical hole, the great base of said conical envelope making contact with the wall of said cylindrical hole, the space remaining between the wall of said cylindrical hole and said conical envelope allowing said member to tilt about a point of contact of the great base of said conical envelope with the wall of the cylindrical hole and to slide on said edge of the wall of said cylindrical hole on the occasion of a radial shock exerted on said spindle, and a spring in cooperating relation with said member for bringing the latter back into normal position.

2,455,082

VARIABLE SPEED AND POWER TRANSMISSION

Franklin J. Morith, Huntington Park, Calif.

Application April 9, 1945, Serial No. 587,321
7 Claims. (Cl. 74—294)



1. In a transmission mechanism embodying a drive shaft, a driven shaft, and a liquid containing housing encompassing meeting ends of said shafts affixed to the drive shaft and turnable relative to the driven shaft, a gear wheel fixed on said driven shaft, a positive action rotary pump carried by said housing having an inlet and an outlet, said inlet adapted to admit liquid from the housing to the pump, a relief valve, a conduit leading from said pump outlet to said valve, said valve having an outlet leading to the interior of said housing, spring means effective normally to maintain said valve open to permit free fluid flow between said pump and said valve outlet, a centrifugal governor carried by said housing, and connections between said governor and said valve; said governor and connections being constructed and arranged to close said valve partly or wholly under the action of centrifugal force with resultant restriction or prevention of the discharge of liquid from said pump.

2,455,083

CELLULOSE ETHERS OF 3,4 EPOXY 1-BUTENE AND THEIR OXIDATION PRODUCTS

David M. Musser, Orange, N. J., assignor to Pacific Mills, Boston, Mass., a corporation of Massachusetts

No Drawing. Application May 8, 1945, Serial No. 592,723
8 Claims. (Cl. 260—231)

1. A method of improving the chemical reactivity of cellulosic fibrous material containing free hydroxyl groups which comprises reacting said material in the presence of an alkali with 3,4-epoxy-1-butene.

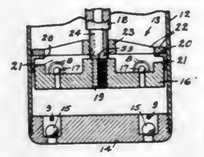
6. The method of treating cellulosic material which comprises reacting said material in the presence of an alkali with 3,4-epoxy-1-butene to form a cellulose ether containing a double bond and thereafter oxidizing said material at said double bond.

2,455,084

DEEP WELL PUMP

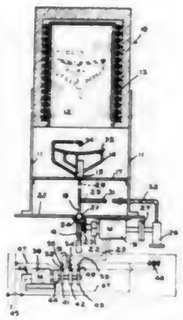
Charles A. Neely, Seattle, Wash., assignor of forty per cent to Hugh J. Sweeney, Everson, Wash.; Sarah L. Langley administratrix of said Charles A. Neely, deceased

Application December 4, 1944, Serial No. 566,513
2 Claims. (Cl. 103—202)



1. In a deep well pump, a pump cylinder; a piston in said pump cylinder comprising a piston head loosely fitting said pump cylinder so as to leave an annular space between the piston head and the cylinder walls; piston rod means connected with said piston head; a yoke floatingly mounted above said piston head and having a limited vertical movement toward and away from said piston head; and a cylindrical sealing ring carried by said yoke movable into a sealing position in the space between said piston head and said cylinder walls on the up stroke of the piston head and movable into a released position relative to the cylinder walls on the down stroke of the piston head to relieve friction.

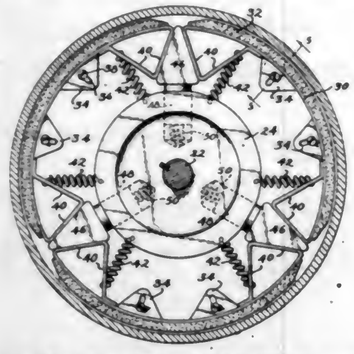
2,455,085
APPARATUS FOR TEMPERING GLASS ARTICLES
Charles D. Oughton, Rochester, Scott Sterling, Irondequoit, and Arthur F. Turner, Brighton, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application January 23, 1943, Serial No. 473,326
5 Claims. (Cl. 49—45)



1. In a device of the type described, a chamber; means for heating said chamber; means for supporting a mass of glass; a plurality of nozzles associated with said supporting means and adapted to direct air blasts against the opposite surfaces of said mass held by said supporting means; means for movably mounting said supporting means relative to said chamber; means for moving said supporting means into said chamber whereby said mass may be heated therein; adjustable means for selectively timing the period said mass remains in said chamber and adapted after a predetermined length of time to actuate said moving means whereby the same withdraws said supporting means from said chamber; air compressing means; and means connecting said air compressing means to said nozzles, said air compressing means being operated by said moving means at least during the withdrawal movement of said supporting means whereby cooling air blasts are directed against opposite surfaces of said mass to cool the same.

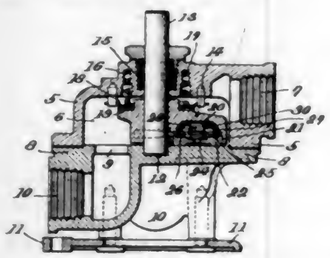
2,455,086
CENTRIFUGALLY OPERATED, EXPANDING SHOE TYPE, AUTOMATIC CLUTCH
Gus S. Papas, Chicago, Ill., assignor of one-third to Harry A. Contos, Chicago, Ill.
Application June 26, 1946, Serial No. 679,371
5 Claims. (Cl. 192—105)

1. A friction clutch consisting of driving and driven members, said driven member including a peripheral flange having an internal, peripheral clutch surface, said driving member being housed axially within and rotatably supported by said driven member, a plate carried by said driving member, a plurality of arcuate clutch shoes terminating as inturned triangular ears at each extremity and having clutch linings upon their outer surfaces, spring means on each ear and connected to said plate for mounting said shoes upon said driving member for outward movement relative thereto, wedge means disposed between adjacent edges of said triangular ears, said spring means being adapted for releasing said brake shoes, and tension means responsive to centrifugal



force for actuating said wedge means to engage said shoes with said driven member.

2,455,087
SEALING ELEMENT FOR VALVES
Arthur L. Parker, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application July 27, 1943, Serial No. 496,313
3 Claims. (Cl. 251—90)

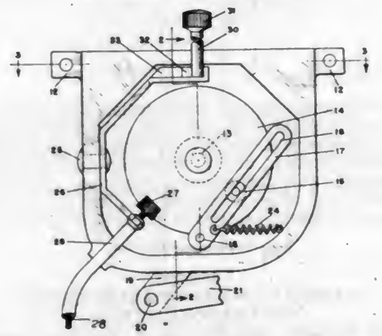


1. A sealing unit for valve structures comprising a sealing member having an aperture therethrough and having an inner face and an outer sealing face, and a deformable resilient shell bonded to the inner face of said sealing member and forming a sealed chamber over the aperture, and spring means interposed between the sealing member and the shell within the sealed chamber and constantly tending to distend the shell, said spring means including a plunger head conforming generally to the shape of the shell portion remote from said sealing member.

2,455,088
ANTIOXIDANT
Wilbur I. Patterson, Fairfax, Va., and Martin B. Williamson, Darby, Pa., assignors, by mesne assignments, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 18, 1945, Serial No. 594,592
5 Claims. (Cl. 252—398)

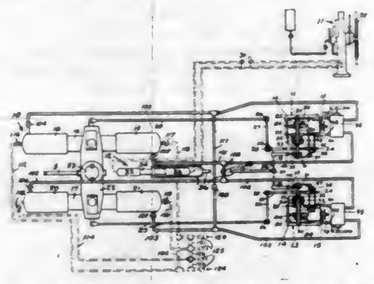
1. The process of preparing an antioxidant from rice bran concentrate, comprising extracting antioxygenic principles from said concentrate with methanol, distilling off the solvent from the methanol solution to obtain a syrupy residue, extracting antioxygenic principles from said syrupy residue with diethyl ether, and removing the ether from the ethereal extract, said extract having the property of reacting with alkali to form salts which are insoluble in diethyl ether.

2,455,089
WINDSHIELD WIPER MOTOR
Horacio E. Perez, Valhalla, N. Y.
Application November 29, 1945, Serial No. 631,607
5 Claims. (Cl. 74—70)



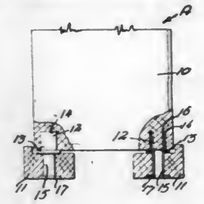
1. A device of the kind described, comprising a housing, a disk-like rotary element journalled in said housing, a wrist pin eccentrically arranged on the element, a rocking arm supported in the housing and having an elongated slit engaged by the pin, a rocking link exteriorly of the housing and actuated by the rocking arm, a throw lever pivoted to the link, rotatable power means movable into and out of contact with the element, and manually operated means for moving the power means into and out of engagement with the said element.

2,455,090
HYDRAULIC MARINE STEERING GEAR FOR OPERATING THE RUDDERS OF SHIPS
Wilmot T. Pritchard, Seattle, Wash., assignor to Stetson-Ross Machine Company, Seattle, Wash., a corporation of Washington
Application June 8, 1944, Serial No. 539,342
5 Claims. (Cl. 60—52)



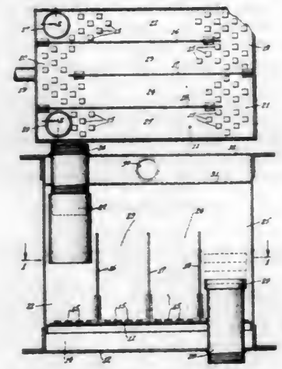
1. In a hydraulically operated marine steering gear mechanism for selectively varying the rate of angular movement of a ship's rudder in response to a ship's pilot wheel, the combination of a motion transfer cam-like-means movable in response to a ship's pilot wheel; and adjustable control means for varying the effective throw of said cam-like-means comprising a lever, a slidably mounted fulcrum for said lever, and means for controllably sliding said fulcrum relative to the end portions of said lever, whereby the length of the lever arms of said lever may be varied; and adjustable power means for moving a ship's rudder controlled by said cam-like-means.

2,455,091
BEARING ASSEMBLY
De Witt Ramsey, Miami, Fla.
Application August 2, 1945, Serial No. 608,524
3 Claims. (Cl. 16—168)



3. A mounting for pivotally connecting movable parts adjacent to each other, comprising a ferrule of tubiform having an inwardly beveled circular knife edge at one end adapted to be driven in one part, a tubiform shank loosely fitted in the other part and telescoped into the ferrule and having an inwardly beveled circular knife edge at one end adapted to be driven in the part having the ferrule, a rim-flange formed on the other end of the ferrule for disposition between the parts and a head at the other end of the pivot shank for contact with part loosely fitted therewith.

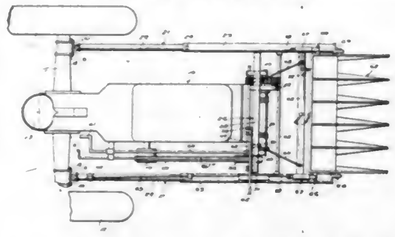
2,455,092
APPARATUS FOR REACTING FINELY DIVIDED SOLID MATERIAL AND A GAS
Charles F. Ramseyer, Old Greenwich, and Herman A. Brassert, Washington, Conn., assignors to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois
Original application April 6, 1943, Serial No. 481,968. Divided and this application December 11, 1943, Serial No. 513,910
3 Claims. (Cl. 23—277)



1. In an apparatus for reacting finely-divided solid material and a gas diffused through a bed of the material from below at such pressure as to render the bed fluent, the combination of an elongated substantially horizontal perforate support for said bed, chamber means beneath said support for introducing gas through said support, feeding means spaced above one end of said sup-

port for supplying said material thereto, a discharge member having an opening through which the material discharges and means movably mounted on said discharge member so that the height of the opening is varied relatively to said support to vary the depth of the bed on said support.

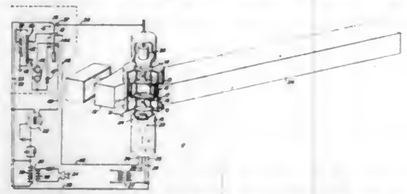
2,455,093
HOIST ATTACHMENT FOR TRACTORS
Edward Sadusky and Helmer T. Thompson, Staples, Minn.
Application June 1, 1946, Serial No. 673,799
2 Claims. (Cl. 214—140)



1. A hoist attachment for a tractor which includes a pair of lift arms adapted to be pivoted adjacent opposite ends of the rear axle of a tractor having a power take-off, said arms extending forwardly in spaced parallel relation on opposite sides of the tractor and terminating beyond the front end thereof, a hoist frame adapted to be attached to the front end of the tractor, a winding drum mounted in said hoist frame to rotate about a horizontal axis, a drive gear and a brake drum coupled to the winding drum to rotate therewith, a longitudinally shiftable drive shaft mounted to rotate in the hoist frame above the winding drum, a drive pinion fixed to the drive shaft to move therewith into and out of meshing engagement with the drive gear, means establishing driving connection between the drive shaft and the power take-off of the tractor, a lever pivoted to the lift frame above the drive shaft to swing in an arc which lies in a plane with the axis of the drive shaft, means coupling one end of the lever with the drive shaft to cause the shaft to move longitudinally and shift the pinion into or out of meshing engagement with the gear, a lateral extension on the lever at the end remote from the drive shaft for engagement by a lift arm when the lift arms reach their upper limit of travel to shift the pinion out of meshing engagement with the gear and manually actuated means coupled to the lever for moving it and causing the shaft to shift and move the drive pinion into or out of meshing engagement with the gear.

2,455,094
VELOCITY VARIATION TRANSMITTER-RECEIVER
Arthur L. Samuel, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1941, Serial No. 400,279
4 Claims. (Cl. 250—13)

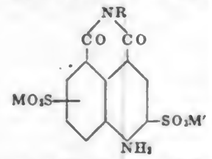
3. Combined transmitting and receiving apparatus comprising an electron beam tube including a cathode, an accelerating electrode, and a collecting electrode, an associated resonating chamber, means within said chamber defining an input gap and an output gap traversed by the electron beam of said tube, means defining a substantially field-free drift space between said input and output gaps, means operative while transmitting to maintain said accelerating and collecting electrodes respectively at relatively high positive potentials with respect to said cathode, whereby electromagnetic oscillations are sustained in said resonating chamber, and means operative while



receiving to maintain said accelerating electrode at a reduced positive potential, whereby the tube and chamber are enabled to function as a regenerative amplifier, and to maintain said collecting electrode at substantially cathode potential, whereby the tube is enabled to function as a detector of velocity variations in the electron stream.

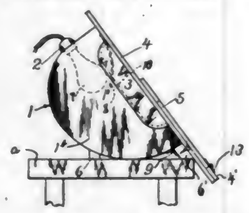
2,455,095
4-AMINO-1,8-NAPHTHALIC IMIDE DISULFONIC ACIDS
Mario Scalera and Warren S. Forster, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 20, 1945, Serial No. 578,956
7 Claims. (Cl. 260—281)

1. New compounds of the following formula:



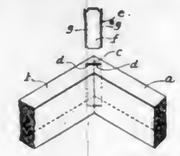
in which R is a radical selected from the group consisting of alkyl radicals, hydroxyalkyl radicals, carboxyalkyl radicals, aralkyl radicals and radicals of the mono and dinuclear hydroaromatic and aromatic series, and M and M' stand for cations.

2,455,096
RETOUCHING FRAME
Paul Schmadlewsky, Portland, Oreg.
Application November 23, 1945, Serial No. 630,484
2 Claims. (Cl. 95—102)



1. A retouching frame comprising an open-front reflector hood, an opaque cover plate hinged to the bottom of said hood for swinging forwardly to open position, supporting means to support said hood on a horizontal surface in a rearwardly tilted position with the cover plate inclined forwardly, said cover plate having a small opening disposed centrally of the front of said hood, a source of light arranged within the top of said hood outside the perimeter of said opening, a glare shield attached to the inner side of said cover plate and extending downwardly and rearwardly in front of said source of light, and means to secure a photographic negative in a flat condition on the front of said cover plate over said opening, said supporting means comprising a transverse bar secured across the bottom of said hood near the rear of the latter and a second transverse bar hinged to the bottom and near the front of said hood and having the cover plate fixed thereto, said cover plate projecting below said bars and the bottom of said hood.

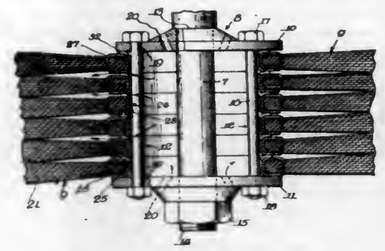
2,455,097
ADJUSTABLE RADIAL KERFING SAW
Anthony Scianna, Chicago, Ill., assignor to Clamp Nail Company, Chicago, Ill., a corporation of Illinois
Application September 2, 1944, Serial No. 552,470
1 Claim. (Cl. 143—6)



An accessory for a circular saw machine, comprising a clamp for securing to the saw table, a vertical tool post on said clamp, a supporting clamp mounted on said tool post and vertically adjustable thereon, a hand screw threaded in said supporting clamp and engaging said first-named clamp for raising and lowering said supporting clamp on said tool post, a hand clamp for locking said supporting clamp in adjusted position on said tool post, said supporting clamp having a transverse opening therein, a supporting bar mounted in said opening, rack and pinion mechanism for moving said supporting bar to adjusted position in said supporting clamp, a hand clamp for locking said supporting bar in fixed position in said supporting clamp, a supporting member at the free end of said supporting bar, said supporting member being mounted on said supporting bar on an axis for angular adjustment, means for locking said supporting member in adjusted position on said supporting bar, an electric motor mounted in said supporting member, and a circular saw mounted on the armature shaft of said electric motor.

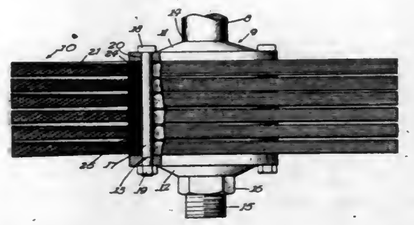
2,455,098
BUFFING WHEEL
Louis M. Seelenfreund, Chicago, Ill., assignor to Action Buffs, Inc., Chicago, Ill., a corporation of Illinois
Application May 25, 1948, Serial No. 29,040
2 Claims. (Cl. 51—193)

1. As a new article of manufacture, a section adapted in conjunction with like sections and a hub structure to form a buffing wheel and comprising a plurality of annular juxtapositioned fabric layers and a core extending around and serving to secure together the inner marginal portions of the layers and embodying a preformed rigid one-piece ring consisting of a cylindrical base flange, an annular outer side flange extending outwards from the outer margin of the base flange and arranged in lapped relation with the inner marginal portion of one of the outer-most fabric layers, and a circular series of spaced apart teeth connected to the outer margin of the outer side flange, projecting in the same direction as the base flange and embedded in the inner marginal portions of certain of the fabric layers, and a complemental pre-formed rigid one-piece ring positioned reversely with respect to the first mentioned ring and consisting of a cylindrical base flange fitting within the base flange of said first mentioned ring, an outer annular side flange extending outwards from the



outer margin of the base flange of the complemental ring and arranged in lapped relation with the inner marginal portion of the other outermost fabric layer, a circular series of spaced apart teeth connected to the outer margin of the last mentioned side flange, projecting in the same direction as the first mentioned teeth and embedded in the inner marginal portions of certain of the fabric layers, and a lip connected to, and extending outwards from, the free margin of the base flange of said complemental ring, arranged in lapped relation with the outer side flange of said first mentioned ring, and serving to hold the two rings against separation.

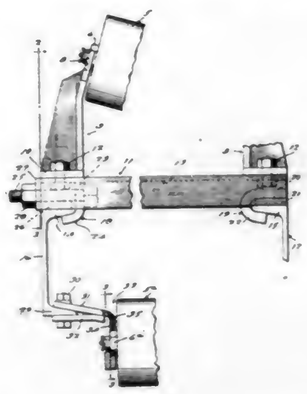
2,455,099
BUFFING WHEEL
Louis M. Seelenfreund, Chicago, Ill., assignor to Action Buffs, Inc., Chicago, Ill., a corporation of Illinois
Application September 8, 1947, Serial No. 772,800
1 Claim. (Cl. 51—193)



As a new article of manufacture, a section adapted in conjunction with like sections and a hub structure to form a buffing wheel and comprising a plurality of annular juxtapositioned fabric layers and a core extending around and serving to secure together the inner marginal portions of the layers and embodying a preformed one-piece ring formed of a metallic stamping and consisting of a cylindrical base flange, a flat annular outer side flange extending outwards from the outer margin of the base flange and arranged in lapped relation with the inner marginal portion of one of the outermost fabric

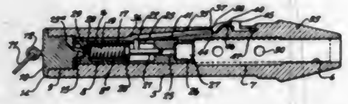
layers, and circular series of spaced apart teeth connected to the outer margin of the outer side flange, projecting at right angles and in the same direction as the base flange and embedded in the inner marginal portions of certain of the fabric layers, and a complemental preformed one-piece ring formed of a metallic stamping, positioned reversely with respect to the first mentioned ring and consisting of a cylindrical base flange extending closely around the base flange of said first mentioned ring, a flat outer annular side flange extending outwards from the outer margin of the second mentioned base flange and arranged in lapped relation with the inner marginal portion of the other outer-most fabric layer, and a circular series of spaced apart right angle teeth connected to the outer margin of the last mentioned side flange, projecting in the direction of the first mentioned teeth and embedded in the inner marginal portions of certain of the fabric layers, said rings being formed of metal stock of such gauge that the component parts thereof are essentially rigid and are not subject to bending after preforming of the rings, and being assembled by shifting them axially towards one another in order to bring the cylindrical base flanges into telescopic relation and effect rectilinear embedment of the teeth into the fabric layers without crimping or jamming inwards the inner marginal portions of said layers.

2,455,100
SUPPORT MEANS FOR IDLER ROLLERS
Franklin N. Smith, Cedar Rapids, Iowa
Application December 7, 1945, Serial No. 633,318
7 Claims. (Cl. 198—192)



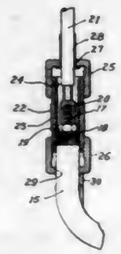
1. In combination, a belt conveyor frame including a pair of uprights having lateral flanges at their upper ends, a horizontal member extending between said uprights and resting upon said flanges, said horizontal member being arranged for the support of a troughing roller or the like mounted thereon, transversely acting means engageable with said flanges for clamping said horizontal member on said uprights, said clamping means comprising a stationary clamp fixed at one end of said horizontal member, a laterally adjustable clamp mounted at the opposite end of said horizontal member, and operating means for said adjustable clamp for moving said adjustable clamp in a direction to forcibly engage the clamps with the corresponding flanges.

2,455,101
ROCKET PROJECTOR
Douglas F. Stevens, Pasadena, Calif.
Application September 16, 1946, Serial No. 697,344
2 Claims. (Cl. 42—1)



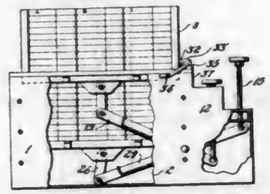
1. A rocket projector comprising a projector tube, provided with central cylindrical bores of different diameter communicating with each other, one of said bores being of enlarged diameter and forming the ignition chamber, reinforcing guards on said tube on both sides of the ignition chamber and lateral, channels leading from the ignition chamber transversely and directly to the open air, a further bore adjacent to the ignition chamber, a firing mechanism housed in said bore, said mechanism including a cylindrical block filling the aforesaid bore of the projector tube, and provided itself with a plurality of cylindrical central bores of different diameter, and with a closing bottom portion, one of said bores of large diameter being the ignition cap bore, a firing pin and a compression spring for moving the same housed within said bores, means for holding said firing pin under the pressure of the compression spring including a locker arm on said firing pin and a trigger release arm for locking said arm and pin, and a breech plug inserted into the rearmost of the bores of the projector tubes and held therein, provided with a central projection applied against the bottom of the firing block and holding said block in its place.

2,455,102
ELECTRIC HEATING UNIT
Sidney J. Temple, Forest Hills, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 22, 1947, Serial No. 736,495
2 Claims. (Cl. 201—67)



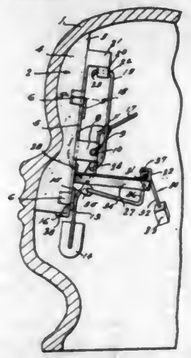
1. An electric heating unit comprising a tubular electric heating element provided at at least one end with a resistor terminal, an insulated cable provided with a terminal detachably connected to said resistor terminal, an insulating sleeve surrounding said resistor terminal and said cable terminal, and a plural-part separable housing comprising a tubular body portion surrounding said sleeve and having one end provided with an aperture for the passage of and closely engaging the periphery of the respective end of said element and the other end provided with an aperture for the passage of and closely engaging the periphery of said cable.

2,455,103
READY-REFERENCE CARD INDEX HOLDER
Quilla T. Turner, Winnipeg, Manitoba, Canada
Application May 13, 1946, Serial No. 669,330
1 Claim. (Cl. 40—65)



A ready-reference card index holder comprising in combination a case having side walls, a cover provided with a plurality of longitudinally extending, spaced and parallel slots therein, a plurality of vertically disposed, parallel and spaced index card holding frames within said case, guides on said side walls to receive said frames, a key-boxing on one side of said case and coterminous therewith, said key-boxing having a two-stepped and apertured cover-plate, vertically disposed and depressible keys in staggered array projecting through said plate, an individual and independent frame elevating action extending between each of said frames and each of said keys consisting of a normally inclined and biassed lever of the first class connected at one end to a key, a link centrally attached to the lower horizontal side of said frame and to the opposite end of one of said levers, said actions facilitating the selective elevation of a given frame in the plane of the card therein upon the application of a downward effort upon the associated key, and means for locking one of said frames upon the elevation thereof, said means comprising a horizontal lying and double-angulated rod adjacent the ends of said slots, bearings for said rod, and a key for rotating said rod connected thereto, all as and for the purpose specified.

2,455,104
EYE OPENING AND CLOSING MECHANISM FOR DOLLS
William N. Wheeler, Paris, Ky.
Application April 21, 1944, Serial No. 532,076
3 Claims. (Cl. 46—169)



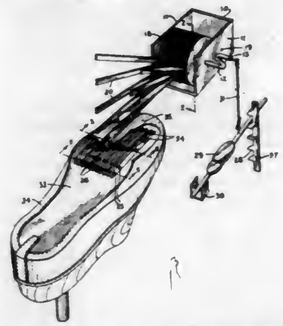
1. In a doll having a head provided with eye sockets therein, an internal rib in said head extending perpendicularly of the axis of the eye sockets intermediate the same, eye opening and closing mechanism fastened to said rib and including a pair of eyeball members, a rock shaft having said members fixed on the opposite ends thereof and adapted for rocking in opposite directions into eye opening and closing positions, respectively, a weighted arm on said shaft operative in opposite directions under the influence of gravity to rock said shaft into eye opening position when the doll is moved into upright position and to rock said shaft into eye closing position when the doll is moved into recumbent position, and means to releasably restrain said arm against movement in one direction when the doll is in upright position and operative by rocking of the doll endwise and sidewise, respectively, when the doll is in recumbent position to gradually release said arm.

2,455,105
COUPLING PIN STRUCTURE
Charles R. Wilson, Road Fork, Ky., assignor of one-half to C. B. Varney, Road Fork, Ky.
Application August 17, 1946, Serial No. 691,308
2 Claims. (Cl. 280—33.15)



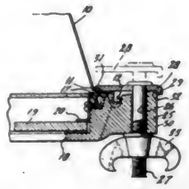
1. In association with a coupling yoke, a coupling pin structure comprising in combination, a pin removably engaging said yoke and having a transversely extending aperture formed adjacent one end thereof, a pivot bolt removably positioned in said aperture, a one piece wire-like rod arcuated at one end thereof to form an elongated eye, a portion of said rod adjacent said eye being wound in a helical formation around said bolt, the remaining portion of said rod forming an arm, and being angulated adjacent the free end thereof to provide a handle, and an inverted hook secured to said yoke, said eye being engageable with said hook upon the manipulation of said handle.

2,455,106
TOE CREASING MACHINE
Robert W. Wirtz, Peoria, Ill.
Application November 12, 1947, Serial No. 785,475
15 Claims. (Cl. 12—7)



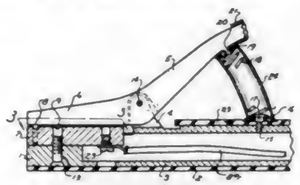
1. In a ballet shoe toe creaser adapted to cooperate with a finger plate having spaced fingers positioned on a shoe, levers movable into and out of the spaces between said fingers, a lever operating device for so moving said levers, and a latching device co-operating with the lever operating device to restrain the levers selectively from moving from between said fingers.

2,455,107
LIGHTING FIXTURE COVER
Gillson W. Beals, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application July 25, 1945, Serial No. 607,009
4 Claims. (Cl. 240—41.55)



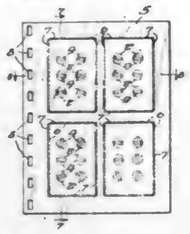
4. In a reflector closure, a ring carrying a gasket on its upper face and provided with outwardly extending vertically apertured lugs whose upper surfaces have elevated regions near their outer ends, plates corresponding in number to the lugs and of a length to extend from opposite the gasket to the outer ends of the lugs and having downwardly bent flanges at their outer ends engageable with the outer ends of the lugs to prevent turning of the plates about the axes of the apertures when the plates are in the lowered position, a stud fixedly secured to each plate and extending through the aperture in the lug, and a nut threaded onto the lower end of each stud, the nuts, when tightened against the lugs, forcing the plates downwardly and when loosened, permitting lifting the studs and plates to free the plates from the lugs so that the studs and plates may be turned about the respective stud axes.

2,455,108
ELECTRODE HOLDER
Hector Beauregard, Utica, Mich.
Application October 8, 1945, Serial No. 621,031
1 Claim. (Cl. 219—8)



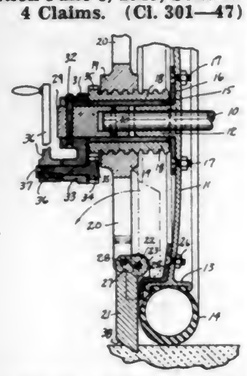
An electrode holder comprising a pair of pivoted members, one of said members being of tubular form and having a slot opening through one end thereof; an insulating casing enclosing the tube, said tube at its forward end having a portion of greater thickness than the thickness of the tube, a copper block secured in surface contact with said thicker portion of the tube and having a surface thereof extending outwardly of the slot, the said surface having a series of grooves at various angles to the longitudinal axis of the block, one of the pivoted members having a terminal portion substantially parallel with the surface of the block when in contact therewith, spring means tending to hold the jaw of the pivoted member in contact with the grooved surface of said block, a wire connected with the grooved block and extending through the end of the tubular member and connected with a source of current supply, it being understood that the work piece is connected with the opposing wire of an electric circuit whereby through contact of the electrode with the work piece the electrode is heated to welding condition at the end thereof in contact with the work piece substantially as described.

2,455,109
METHOD OF FABRICATING MERCHANDISE HOLDERS AND DISPLAY DEVICES
Fredrick H. Bowers, Kalamazoo, Mich.
Application June 28, 1945, Serial No. 602,087
1 Claim. (Cl. 93—3)



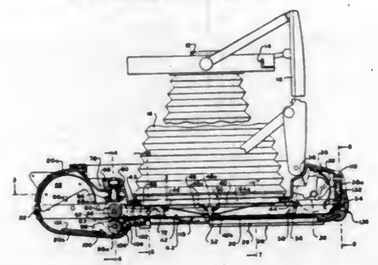
A method for producing a merchandise holder and display device, which consists of forming a plurality of groups of openings in a sheet-like form sustaining body; covering one side of the body with a sheet of material whereby to permit retention of articles in said openings; covering the opposite side of the body with a second sheet of material to close the remaining sides of the openings in said body, and then cutting through each of said sheets of material in continuous lines circumscribing each of said groups of openings in said body and extending said continuous circumscribing cuts partially through the body in relatively different and offset planes.

2,455,110
TRACTION DEVICE FOR TRACTORS
Hugh N. Boyer, Canfield, Ohio
Application June 8, 1945, Serial No. 598,285
4 Claims. (Cl. 301—47)



4. In a traction device for a tractor wheel a ring having a plurality of brackets thereon and mounted on said wheel adjacent the rim thereof, a plurality of ground engaging lugs pivotally attached to said brackets, diagonally positioned slots in said lugs, means for moving said lugs comprising a worm gear rotatably positioned about the hub of the said tractor wheel, a member threadably engaging the said worm gear for horizontal travel thereon, a plurality of radially spaced vertical spokes on said member, said spokes disposed on a vertical plane through said hub, the outermost ends of the said spokes lying adjacent the said lugs and pivot means engaging said diagonally positioned slots in said lugs and said spokes, and means for applying rotary motion to said worm gear so as to move said member and spokes horizontally and move said lugs about their pivotal attachment to said bracket.

2,455,111
SELF-DEVELOPING CAMERA
Joseph F. Carbone, Everett, and Murry N. Fairbank, Belmont, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application October 17, 1947, Serial No. 780,344
19 Claims. (Cl. 95—13)



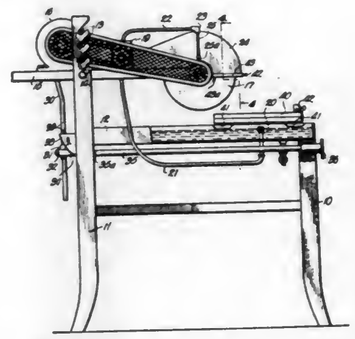
1. Apparatus for exposing and processing a photosensitive film material comprising, in combination, means for mounting a film material and another sheet material, means providing an exposure position for said film material, means comprising a pair of pressure-applying members between which said materials are to be advanced in superposed relation for compressing said materials during their advancement and for cooperating therewith to provide flow of a film-processing fluid between said materials, means engaging at least one of said materials for preventing transverse displacement of said material with respect to said other material during advancement of the materials between the pressure-applying members, and a plurality of means movably mounted with respect to one another for supporting and at least partially encasing the aforesaid means, one of said supporting means serving to mount one of said pressure-applying members and another of said supporting means mounting the other of said pressure-applying members, said movable supporting means when at open position providing a separation of said pressure-applying members from one another and access within said apparatus for loading and threading said film and other material and when at closed position providing a light-tight chamber for said apparatus and placement of said pressure-applying members in adjacent relation to one another for compressing said materials.

2,455,112
DOOR GUARD
William F. Christison, Gadsden, Ala.
Application March 7, 1947, Serial No. 732,988
4 Claims. (Cl. 160—32)



1. In a guard for a doorway embodying a hinged door having a door knob handle, an extensible gate, means to mount one end of the gate adjacent the doorway at the free edge of the door, and means for removably connecting the other end of the gate to the door knob handle.

2,455,113
MASONRY SAW
Neligh Clair Coates, Kansas City, Mo.
Original application March 24, 1945, Serial No. 584,544. Divided and this application February 28, 1946, Serial No. 650,834
3 Claims. (Cl. 125—13)



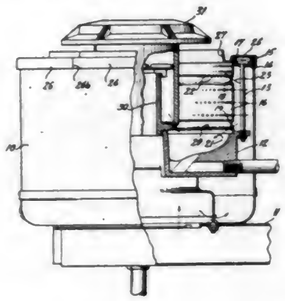
1. A lubricating system for circular cutting blades comprising a cutter head, a rotatable disk cutter mounted thereon, a guard carried by the head and surrounding the upper part of the cutter, means for introducing a lubricating fluid on opposite sides of the cutter, troughs on opposite sides of said cutter, each trough extending inwardly from the lower edge of said guard to a point adjacent the cutter whereby said troughs collect fluid thrown from the cutter, and each trough having a drain adapted to direct the fluid collected therein back onto the sides of the cutter.

2,455,114
PROCESS OF PROTECTING METAL SURFACES
Emerson Gillmore Cobb, Mitchell, S. Dak., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
No Drawing. Application February 26, 1945, Serial No. 579,883
1 Claim. (Cl. 117—132)

The process of protecting a metal surface, which comprises the steps of preparing a coating solution consisting substantially of a clear resin solution containing about 25% by weight of unpolymerized phenol-formaldehyde resin with the balance substantially made up of organic solvent for said resin, to which is added aurine in the proportion of about 100 ml. of an aurine solution per gallon of said clear resin solution, wherein said aurine solution is prepared in the proportion of about 5.68 gm. aurine to 100 ml. alcohol, the coating solution as thus prepared having a color, when applied as a film coating to a metal surface, which is a function of the thickness of such coating; spraying said coating solution onto the metal surface to be protected to a predetermined thickness, indicated as a function of the color of the applied coating; thereafter air drying the coating to reduce the solvent content thereof; and then baking the coated metal surface at a temperature in the range of about 325° F. to about 400° F. to

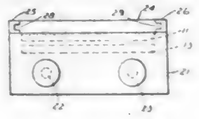
polymerize the phenol-formaldehyde to form the final coating, the color of the final baked coating being substantially the same as the final coating would be without the aurine added.

2,455,115
LIQUID FUEL BURNER
Ralph W. De Lancey, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application May 9, 1945, Serial No. 592,763
1 Claim. (Cl. 158—91)



In a liquid fuel burner, a vaporizing pot, an outer casing, an inner sheet metal cylinder spaced from the casing to form an air chest, a ring of channel shaped cross section with outwardly and inwardly extending flanges fitting the top of the casing and cylinder respectively, bolts securing the ring and pot together, the heads of the bolts being received in the channel of the ring, and a sheet metal cover ring fitting about the first ring and the upper edges of the cylinder and casing and having an upwardly extending inner flame constricting part, said ring being in the form of a plurality of separable segments.

2,455,116
METHOD OF AND APPARATUS FOR MEASURING THE COLOR QUALITY OF LIGHT
Virgil O. Gi'tus, Brooklyn, N. Y.
Application July 24, 1945, Serial No. 606,781
8 Claims. (Cl. 88—22.5)



3. In apparatus of the class described, a casing, an indicating instrument in the front of said casing having a scale and pointer, a pair of photocells in the rear of said casing and supported therein so that their light sensitive elements may be exposed to light impinging upon the rear of said casing, a red filter overlying the sensitive face of one of said cells, a blue filter overlying the sensitive face of the other of said cells, connections within said casing and extending between said cells and said instrument, whereby the latter may be operated by the conjoint action of said cells, and means for removably supporting a preselected compensating filter in overlying relation of said first filter.

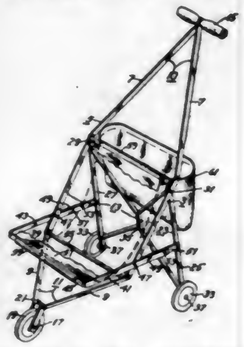
2,455,117
NONCOMBUSTIBLE HYDRAULIC FLUID
Frank J. Glavis, Elkins Park, and Harry T. Neher, Bristol, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 2, 1947, Serial No. 758,710
3 Claims. (Cl. 252—78)

1. A hydraulic fluid consisting essentially of 0.5% to 10% by weight of potassium polymethacrylate dissolved in a solvent medium of 10 to 55 parts of ethylene glycol, 35 to 45 parts of water, and 5 to 45 parts of thioethylene diglycol, the parts being by weight and selected to make 100 parts of said medium.

2,455,118
ADHESIVE AND METHOD OF JOINING ELEMENTS THEREWITH
Gustav E. Guellich, Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
No Drawing. Application February 11, 1943, Serial No. 475,552
3 Claims. (Cl. 154—128)

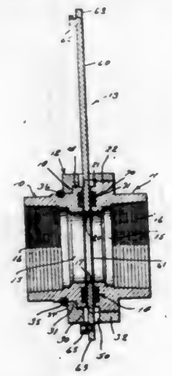
3. The method of permanently joining adjacent surfaces of optical elements so that a substantially colorless, transparent joint will be formed therebetween and so that light may be transmitted through said elements and through said joint with a minimum of absorption and scattering of said light by said joint, comprising applying to one of said surfaces to be joined an adhesive consisting of a de-waxed shellac and a solvent consisting of a higher boiling alcohol, placing said surfaces in contact and retaining said surfaces in contact while first heating same at a relatively low temperature for slowly evaporating the solvent therefrom, and then raising the temperature and heating the elements and said adhesive at a temperature ranging from 150° F. to 250° F. for a time sufficient to substantially completely polymerize said shellac and permanently unite said elements.

2,455,119
COLLAPSIBLE GOCART
Bertie R. Hall, El Cerrito, Calif.
Application April 4, 1947, Serial No. 739,310
5 Claims. (Cl. 280—41)



1. A collapsible go-cart comprising a main frame; a rear frame; means pivotally securing said rear frame to said main frame at an intermediate location on said main frame to permit angular separation between the two frames; a pair of side brace members, each pivotally secured to a side of said rear frame and extending to and engaging said main frame at the desired angular separation of the two frames; a substantially horizontal frame including a pair of side members joined at one end by a cross member, said substantially horizontal frame being disposed with its side members intersecting said main frame; means pivotally securing each side member of said substantially horizontal frame at an intermediate point thereof to said main frame; and means hingedly securing the free end of each such substantially horizontal frame side member to the adjacent one of said side brace members at an intermediate point thereon.

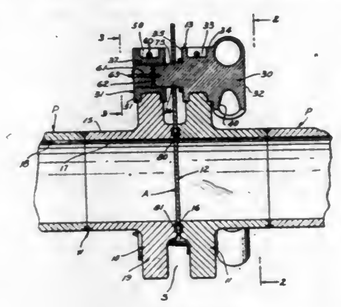
2,455,120
PIPE-LINE FITTING
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application July 19, 1944, Serial No. 545,603
2 Claims. (Cl. 138—44)



1. In a fitting of the character described, two body sections arranged with their inner ends in opposed relation, a collar coupling the sections and having a transverse passage open at opposite sides of the fitting, tool receiving bosses on the outer sides of the collar walls which form the end walls of the passage a plate carried in the passage in the collar with its end portions accessible at the exterior of the collar and projecting beyond each end of the passage, the plate being shiftable in the passage to bring different portions of the plate into register with the inner ends of the sections, and stop means limiting movement of the plate relative to the coupling including stops on the accessible portions of the plate projecting beyond the passage, one of the stops being detachable from the plate.

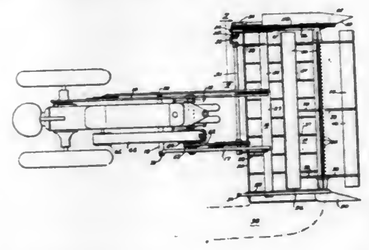
2,455,121
FITTING FOR PIPE LINES
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application December 4, 1944, Serial No. 566,616
9 Claims. (Cl. 138—44)

1. A fitting of the character described including, two opposed sections each having a tubular part and a notched flange on the tubular part, a plate to be arranged between the sections, and means tying the sections together including, a bolt carried directly in the notch in the flange of one section and a nut receiving the bolt and



carried in the notch in the flange of the other section.

2,455,122
WINDROW DEVICE
Charles W. Hansen and Frank N. G. Kranick, Racine, Wis., assignors to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application January 22, 1945, Serial No. 573,882
7 Claims. (Cl. 56—23)

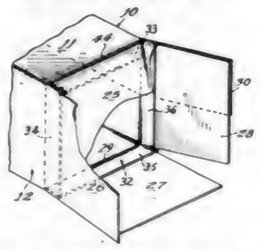


1. A push-type windrower comprising, a pair of main-frame arms having trunnions thereon for supporting said frame on tractor brackets on a fixed axis coaxial with a driving element adapted for connection with the power unit of the tractor and the hereinafter-mentioned mechanisms, said arms being connected together at their forward ends by a member, a shaft rotatably supported on said member with the ends of said shaft extending beyond the ends of said member, an auxiliary frame structure including a depending section and a forwardly-extending section supported on said shaft so as to be shiftable relative to each other, one of said sections providing a support for the conventional grain-cutting and conveying mechanisms and the other section providing a support for a conventional grain reel above said grain-cutting and conveying mechanisms, adjustable means connecting the two sections of said auxiliary frame structure and adapted to alter the operative relationship of said grain reel to said grain-cutting and conveying mechanisms, means on said main-frame arms connected to rotate said shaft on said member for adjusting the angularity of said auxiliary frame structure relative to said main-frame arms, and other means on said main-frame arms adapted to act with the tractor for adjusting the angularity of said main-frame arms relative to the horizontal.

2,455,123
ZIRCONIA OPACIFIERS AND METHOD OF MAKING
Loren C. Hurd, Jenkintown, and Allen J. Vander Weyden and James D. Stroupe, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application September 10, 1946
Serial No. 696,036
8 Claims. (Cl. 106—312)

1. A process for producing white opacifiers from zirconia which is contaminated with about 0.1% to about 33% of intimately associated silica and with about 0.1% to about 4.0% of iron, calculated as Fe_2O_3, which comprises converting said zirconia into the monoclinic form by heating at a temperature from about 600° C. to 950° C. in the presence of about 0.25% to about 5.0% of lithia and cooling and pulverizing the resultant product.

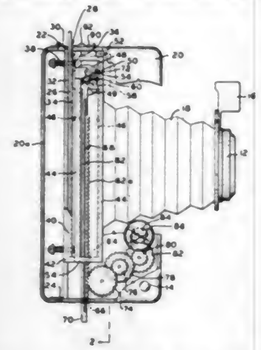
2,455,124
COLLAPSIBLE CONTAINER
Henry A. Johnson, Kansas City, Mo.
Application October 15, 1945, Serial No. 622,444
2 Claims. (Cl. 229—37)



1. A collapsible paper carton provided with fold lines defining side walls and closure flaps and including outer side walls having integral foldable closure flaps, which closure flaps are defined by slits terminating in spaced relation to the fold line for the closure flaps, an inner lining substantially coextensive with the outer side walls and an intermediate ply coextensive only with the side walls and to which intermediate ply the outer side walls and the lining are adhesively secured, a sealing web integral with the inner lining and spacedly overlapping portions of the closure flaps throughout its length, the free marginal edge of said sealing web being adjacent the terminal ends of the slits between the closure flaps and parallel to the fold line for the closure flaps so that when the closure flaps are folded upon each other the sealing web extends inwardly from each side wall partially across the container.

2,455,125
APPARATUS FOR EXPOSING AND PROCESSING PHOTOGRAPHIC FILM
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application May 31, 1946, Serial No. 673,406
22 Claims. (Cl. 95—13)

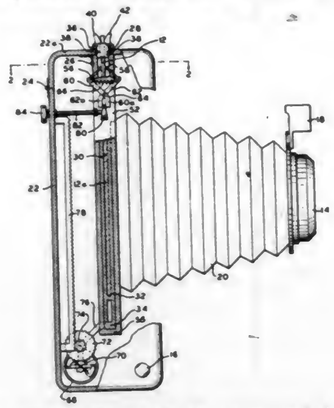
1. Camera apparatus for photographically exposing and providing a positive photographic image within a multilayer film comprising a photosensitive layer and a fluid releasably contained between a pair of layers thereof, said apparatus comprising, in combination, a casing for enclosing elements of said apparatus, means providing a light-shielded aperture for inserting and withdrawing said film through said casing, means comprising a pair of flanges for positioning said film sideways in the focal plane of the camera, means comprising a stop member for positioning said film endways in said focal plane, a rigid plate adapted to contact a surface of said film when positioned in said focal plane, means interposed between said flanges for applying tension to marginal portions of said film for holding said film in contact with said plate, means for photographically exposing a pre-established portion of said photosensitive layer, pressure roller means mounted for translational movement across a surface of said film and adapted to apply progressive compression thereto for releasing said fluid between a pair of layers of said film and for spreading said fluid throughout an area at least coextensive with said exposable photosensitive portion, means comprising a pair of carriers for providing



translational movement of said pressure roller means, means comprising a plurality of tracks for guiding said carrier means in a plane parallel to the plane of said film, means comprising racks and a handle member positioned exteriorly of said casing for transmitting translational movement to said carriers, gear means engaging said racks and actuating a gear train and governor for controlling speed of translational movement of said pressure roller means across said film, means providing limit stop members adapted to intercept said carriers for predeterminedly defining the extent of travel of said pressure roller means across said film, and means for separating said pressure roller means from contact with said film at a predetermined position of said means relative to said film.

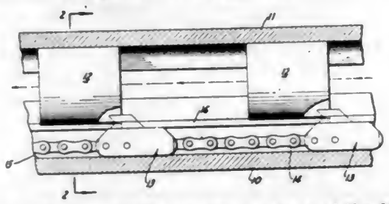
2,455,126
APPARATUS FOR EXPOSING AND PROCESSING PHOTOGRAPHIC FILM
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application July 12, 1946, Serial No. 682,979
21 Claims. (Cl. 95—13)

1 Apparatus for exposing and processing a photosensitive film material comprising, in combination, means comprising a frame-like film carrier for receiving and supporting both said film material and another sheet material in superimposed relation, said superimposed materials having a film-processing fluid contained between a predetermined area of their outer surfaces, means comprising a holder for slidably mounting said carrier means and adapted to position said film for subjection to a processing treatment, means for photoexposing said film material while the latter is held by said carrier means in said holder, pressure-applying means for engaging at least a surface of said materials and applying a compressive force thereto, and means for mounting said pressure-applying means and said carrier means for movement relative to each other, said pressure-applying means being located by said mounting means to engage said superimposed ma-



terials during said relative movement to apply compression to successive portions of said materials to cause the liquid contained therein to be released and to permeate the photosensitive layer of the photosensitive film material.

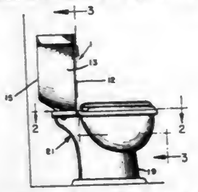
2,455,127
CONVEYER GRIPPER MEMBER FOR CAN BODIES
Ed Laxo, Oakland, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware
Application October 8, 1946, Serial No. 701,975
4 Claims. (Cl. 198—179)



1. A gripping device for can bodies and the like, comprising a first jaw and a second jaw spaced from and in alignment with said first jaw, said first jaw having a longitudinal slot formed therein opposing and opening toward said second jaw, and a block secured to said second jaw and facing said first jaw, said block having a longitudinal projection in alignment with said slot, said first jaw and block being so shaped as to define an open-ended, inwardly converging recess adapted to receive a can body and so spaced that said projection is adapted to press said body into said slot and form an indentation therein.

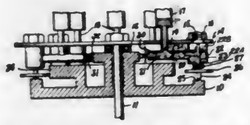
2,455,128
UNIT-TYPE FLUSH BOX AND TOILET CONSTRUCTION
Stanley S. Lenski, La Salle, Ill.
Application February 5, 1947, Serial No. 726,543
1 Claim. (Cl. 4—12)

In a unit-type toilet and flush box construction comprising a flush box having front, back and side walls, said box being substantially rectangular in its upper portion, the side walls of the lower portion thereof converging downwardly toward the vertical center line of the tank the back wall including a forwardly inclined surface terminating at the front wall and having a flat bearing area thereon; a toilet bowl having a rearwardly ex-



tending shelf disposed in the same plane as the top surface of said bowl, said shelf being provided with spaced channels in its upper surface leading into said bowl, means to rigidly secure said box on said shelf, and aligned communicating ports in said bearing area of said box and said shelf.

2,455,129
APPARATUS FOR COATING THE THREADED PORTION OF BUSHINGS AND NUTS
John H. Lepperhoff, New York, N. Y.
Application November 22, 1943, Serial No. 511,229
3 Claims. (Cl. 91—18)

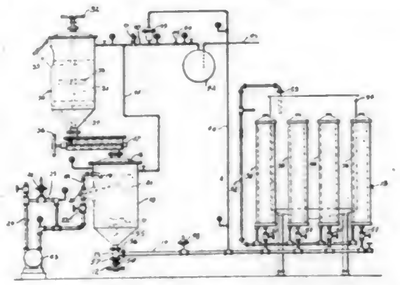


1. Apparatus for coating the interior threaded surfaces of a plurality of units with a plastic fluid in a continuous cycle of operation, which includes a rotatable supporting member for said units mounted in a stationary base, a plurality of deflectable tubular wiping elements for applying the plastic fluid within said units rotatably and axially slidably supported by said supporting member, a first cam on said base to move said wiper elements into and out of the units to be coated as said supporting member is rotated, a second cam on said base to rotate said wiping elements when they are within the units to be coated and a third cam on said base to operate a pumping means, a circular drive plate on each wiping element for rotating said wiping elements when said plate is engaged by said second cam as said supporting member is rotated, said pumping means comprising separate reciprocating pumps carried by said supporting member for each of said wiping elements for pumping predetermined quantities of the plastic fluid therethrough when said pumps are operated by said third cam and said wiping elements are within the units, means for deflecting said wiping elements by centrifugal force to apply said plastic fluid to the interior threaded surfaces of said units when said wiping elements are rotated, and means to rotate said supporting member.

2,455,130
METHOD OF AND APPARATUS FOR FILTERING
Frank B. Lomax, Chicago, Ill.; Mary P. Lomax, executrix of said Frank B. Lomax, deceased, assignor to Mary P. Lomax, Chicago, Ill.
Application November 8, 1945, Serial No. 627,352
2 Claims. (Cl. 210—177)

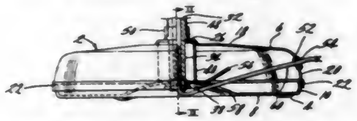
2. In a filtering system, a confined chamber, means for impelling under pressure liquid to be

filtered in said chamber, an adjoining tank containing a supply of filteraid, a feeding device between said tank and chamber for discharging predetermined quantities of filteraid into said chamber, fluid pressure connections between said tank, said chamber and a source of fluid under pressure for equalizing the fluid pressure in said tank and chamber above and below respectively



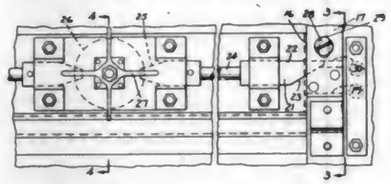
the mass of filteraid being fed into said chamber, a filtering device, a connection between a discharge end of said chamber and said filtering device for delivering a stream of liquid and filteraid to the filtering device independently of the pressure of the liquid being impelled in said chamber and a fluid connection between the discharged stream and the equalizing pressure connections for controlling said equalizing pressure.

2,455,131
LAMP BASE ASSEMBLY
William F. Masterson, Decatur, Ill., assignor, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 642,203
4 Claims. (Cl. 248—194)



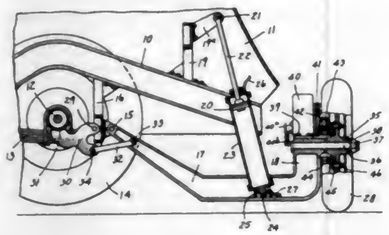
3. A base for lamps or the like comprising an inverted cup-shaped, sheet metal, upper base member, a sheet metal lower base member having an upstanding peripheral flange engageable with the inner surface of the walls of said upper base member to maintain the central portions of said base members in spaced relationship, said upper and lower base members having central aligned apertures therein, a support post projecting downwardly through said apertures, a shoulder on said support post engageable with the top surface of said upper base member, an annular spacer member disposed between said upper and lower base members in surrounding relation to said support post, said spacer member having a bore diameter substantially greater than said post, and a fastener on the bottom end of said support post cooperating with the bottom face of the central portion of said lower base member to draw said upper and lower base members together against said spacer member, said fastener engaging said central portion only over a region lying inside the projected arc of the bore of said spacer member, thereby flexing said central portion upwardly and said peripheral flange outwardly into tighter engagement with the inner wall surface of said upper base member.

2,455,132
DOOR SECURING MEANS
Albert Matthews and Frank A. Geriach, Cincinnati, Ohio, assignors to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application December 21, 1944, Serial No. 569,134
6 Claims. (Cl. 220—55)



1. In combination, a rotatable work holding drum having a body provided with a charging opening in its cylindrical wall, a door for said opening slidable circumferentially of the drum, sealing bands lying over the side edges of the door and mounted upon the drum body, and means mounted upon and movable with the door for actuating said bands to seal the joints between the door side edges and drum body.

2,455,133
PARKING DEVICE
John H. Moffat, Indianapolis, Ind.
Application August 26, 1944, Serial No. 551,341
3 Claims. (Cl. 180—1)



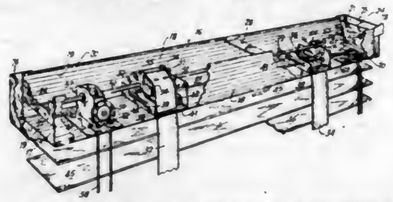
1. In a vehicle parking mechanism comprising a laterally movable wheel capable of elevation and lowering, the combination of a single source of fluid pressure, fluid pressure operable reciprocable means for raising and lowering the wheel, fluid pressure operable means for reversely rotating the wheel, valve means selectively connecting both of said means to said source and controlling said means and comprising a body and a single rotatable control member therein, the pressure source supply being connected to the valve means body at all times, a single waste connected to the valve means body at all times, a pair of substantially parallel passageways in the member, each passageway having a closed end, and oppositely directed, and each continuously connected at the opposite end to the supply and waste respectively, and lateral passageways in the member and body adapted for selective communication with the supply and waste and connected to the fluid pressure operable means, one of the parallel passageways being centrally disposed in the member, and an arcuate passageway peripherally disposed immediately beyond the closed end of said one passageway and connected to the other passageway remote from the closed end thereof.

2,455,134
SYNCHRONOUS ELECTRIC MOTOR
Thomas Mungall, Sr., Cleveland, Ohio, assignor of one-half to George L. Becker, Cleveland, Ohio
Application July 13, 1946, Serial No. 683,316
4 Claims. (Cl. 172—278)



1. A synchronous electric motor, comprising in combination, a magnetic field member including spaced inner and outer pole pieces having alternately changing polarity, the said pole pieces having facing and spaced edges, and an armature comprising a band of magnetic material rotatable between the said spaced edges, the said armature having hardened and permanent magnetically polarized spots therearound correlated with the said polarized edges.

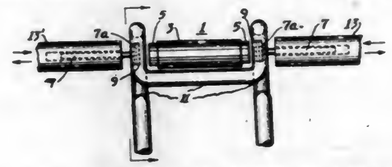
2,455,135
VENETIAN BLIND HEAD-BAR ORGANIZATION
Harry Nelson, New York, N. Y., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application June 26, 1945, Serial No. 601,671
21 Claims. (Cl. 160—178)



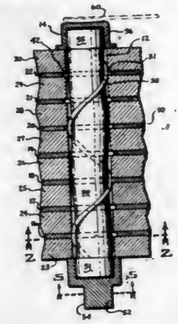
1. A Venetian blind head-bar, comprising: an elongated channel of fixed length, the channel being of thin sheet metal and having longitudinally fluted sides and a longitudinally fluted bottom, metal braces extending across the channel adjacent to its ends, and at least one metal brace extending across the channel remote from its ends, the end portions of the braces being attached to the sides of the channel.

2,455,136
METHOD OF SECURING LEADS TO ELECTRICAL CAPACITORS
Maximilian J. Obert, North Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1943, Serial No. 516,396
5 Claims. (Cl. 219—12)

1. The method of attaching an electrical connector to each end of a fixed capacitor of the type having a multi-layer foil armature projecting from each end thereof, including the steps of placing a metallic disc of low temperature melting metallic substance between each end of the condenser foils and each connector, placing said condenser and connectors within a coil having radio frequency currents flowing therethrough, heating said metallic substance to a fluid state by the application of said radio frequency heating currents, flooding the space between the layers of said projecting portion of said armature foils with said metallic substance in the fluid state, placing an end of each one of said connectors against the end of said projecting portion each one of said armatures with sufficient force to collapse said foils and to embed said connector ends with said low temperature metallic substance, and then permitting said metallic substance to harden about the ends of said collapsed foils and said embedded connector ends.



2,455,137
RADIO CIRCUIT SELECTOR SWITCH
Gordon R. Pennington, Bloomfield Hills, Mich.
Original application May 25, 1942, Serial No. 444,331, now Patent No. 2,422,253, dated June 17, 1947. Divided and this application April 24, 1947, Serial No. 743,711
14 Claims. (Cl. 200—8)

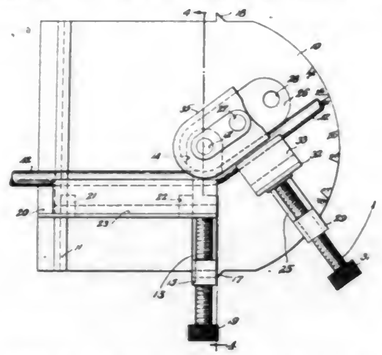


5. A circuit selector switch comprising in combination, a rotatable contact plug having a cylindrical stem presenting a resilient metallic contact ridge extending in a spiral about the axis of said stem and projecting above the adjacent surface of said stem, and a contact panel of insulation material having in the body thereof a metallic contact, said panel having a bore for receiving said stem and said contact presenting a contact surface of limited area substantially flush with the surface of said bore; said stem having a free diameter outside said spiral ridge slightly greater than that of said bore and said spiral ridge being resiliently contractable when said plug is assembled in said panel whereby to exert outward pressure against said metallic contact when in radial alinement therewith.

2,455,138
PIVOTED BENDER WITH REVERSIBLE CLAMP AND FORMER
George C. H. Perkins, Hamilton, Mass.
Application August 16, 1946, Serial No. 691,096
6 Claims. (Cl. 153—40)

1. A tube bending machine comprising a base plate having a semi-circular edge and an up-

standing pivot pin located at the center of its edge curvature, a projecting stop at each end of said semi-circular edge, a stationary clamping member perforated to fit the pivot pin and to be engaged with one or the other of said stops ac-



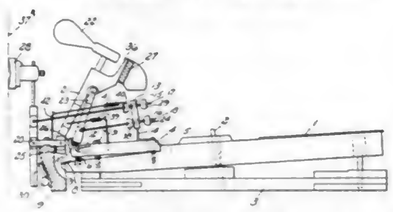
cordingly as the machine is organized for right hand or left hand bending, and a movable clamping member having transversely spaced holes in its inner end either of which may be fitted on said pivot pin.

2,455,139

PIANO MECHANISM

Auxance N. Prevost, Deep River, Conn.

Application July 18, 1946, Serial No. 684,432
18 Claims. (Cl. 84—240)



1. In a piano, the combination comprising a key frame, a key pivotally mounted on the key frame, an action rail connected to the key frame, and an action consisting solely of members mounted on the action rail and members mounted on the key, said members on the key being adapted to actuate and control the members mounted on the action rail upon pivoting movement of the key, said first and second named members being constructed and arranged to return said key to original position upon release of the key.

2,455,140

AUTOMOBILE TOWING DEVICE

Arthur J. Roth, Detroit, Mich.

Application May 26, 1945, Serial No. 596,028
3 Claims. (Cl. 280—33.14)



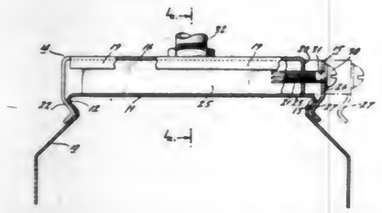
1. An automobile towing device comprising a pair of sheet metal bars of equal length and required thickness, each of the bars having their respective ends extending at an angle less than a right angle to the plane of the respective bars and positionable to engage the upper and lower edges of the rear bumper of the towing car at one end and the forward bumper of the towed car at the opposite end, one of the bars having a V-shaped aperture adjacent each of its opposite ends, and the other bar having a pair of chains attached in longitudinally spaced relation to the lower bar of the pair, the point of attachment of the chains to the lower bar being a less distance apart than the opposed ends of the apertures of the upper bar whereby the strain on the chains tends to draw the same into the narrow portion of the respective opening of the other bar thereby automatically maintaining the bars in pressure contact with the respective bumper.

2,455,141

WIRING CHANNEL HANGER

Richard M. Runge, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application July 26, 1946, Serial No. 686,577
5 Claims. (Cl. 248—343)



1. In combination, a wiring channel having a flat normally horizontal upper surface and longitudinal beads along its side walls and adjacent the upper surface, and a channel hanger extending transversely of the channel, the hanger having one part provided with a hook engaging one of the beads and two parallel, vertical elements spaced apart and in contact with the upper surface of the wiring channel, a second part having a hook engaging the other bead, an upper wall engaging the upper edges of the parallel vertical elements, and a downwardly extending end terminating above the channel, and threaded means intermediate said end and hook carrying end of the first part for clamping the channel between the hooks.

2,455,142

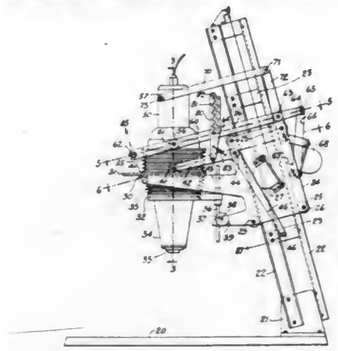
CONDENSER TYPE PHOTOGRAPHIC ENLARGER WITH EXCHANGEABLE LENSES AND ADJUSTABLE LAMP HOUSING

Rudolph Simmon and Alfred Simmon, Jackson Heights, N. Y., assignors to Simmon Bro'hers, Inc., Long Island City, N. Y., a corporation of New York

Application February 26, 1946, Serial No. 650,294
4 Claims. (Cl. 88—24)

1. A photographic enlarger, comprising a flat base, a substantially vertical supporting structure mounted on said base, and a projector assembly, said projector assembly comprising a carriage adapted to slide on said supporting structure, an apertured stage in said carriage for the support of one of a plurality of negative holders for negatives of different dimensions, a lens support disposed beneath said stage, connected therewith by light-tight but extensible means and adapted to receive one of a plurality of enlarging lenses of different focal lengths, a focusing mechanism adapted to adjust the distance between said stage

and said lens, an apertured pressure plate disposed above said stage and adapted to rest during operation on said negative holder, a lamp housing, a lamp and a rigid condenser, said lamp and condenser having a fixed distance relative to each other and being stationarily mounted with respect to said housing, said housing disposed above said pressure plate and connected thereto by light-tight but extensible means, mechanism to lift



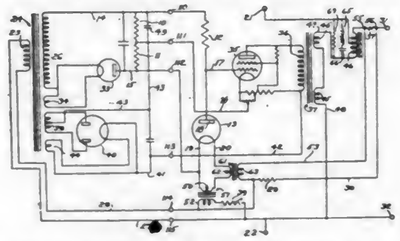
said pressure plate for placing a negative holder on said stage, and mechanism to lift said lamp housing including means to maintain said lamp housing in an elevated position, whereby the elevation of said lamp housing above said stage can be so adjusted that the rays of said lamp are focused by said condenser substantially into the pupil of said enlarging lens, including a link connecting both said lifting mechanisms for simultaneous operation.

2,455,143

CATHODE CONTROLLED ELECTRONIC VOLTAGE REGULATOR CIRCUIT

Edward M. Sorensen, Stamford, Conn.; Helen S. Sorensen administratrix of said Edward M. Sorensen, deceased

Application April 17, 1946, Serial No. 662,751
21 Claims. (Cl. 323—42)



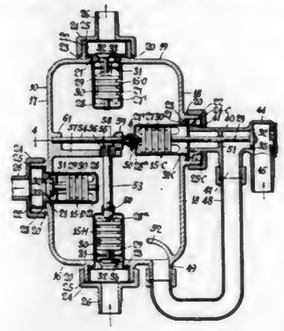
1. In an accurate voltage regulator, in combination, an input circuit, an output circuit adapted to have a load connected therein, a bridge network including a diode electron tube as one of the arms thereof, means connected across said output circuit for applying a voltage to the filament of said diode to thereby determine the balance condition of said bridge, means for supplying a rectified voltage derived from said output circuit to said bridge network, a capacitance across one of the arms of the bridge to prevent fluctuations in the rectified supply thereto effecting the output of said bridge, an amplifier connected across said bridge and responsive to the degree of unbalance thereof and means operable under control of said amplifier to maintain the output voltage at the predetermined value.

2,455,144

MECHANISM FOR EFFECTING THE REGULATION AND AUTOMATIC CONTROL OF THE TEMPERATURE OF BATH WATER

Clifford R. Spencer and Donald G. Wilhelm, Buffalo, N. Y.

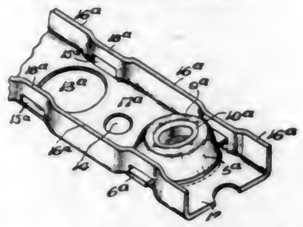
Application August 19, 1947, Serial No. 769,500
3 Claims. (Cl. 236—12)



1. A unitary mechanism for effecting the regulation and automatic control of the temperature of heated water for bath purposes comprising a chamber for use in combination with hot and cold water supply lines and having a hot water inlet port at its lower end, a cold water drain port formed in a side wall above the hot water inlet port, a pipe extending from the cold water supply line and communicating with the lower end of the chamber at one side of the hot water inlet port and a hot water discharge port at its upper end, a fitting connected to said pipe and to the cold water supply line and having a port establishing communication between said supply line and said pipe, structurally independent valve units associated with the several ports and each comprising a shell, a bellows type thermostatic element arranged within the shell and a valve head carried by the element and cooperating with the port with which the unit is associated, the shells severally projecting into the chamber and being removably fitted to the walls of the chamber whereby any of them may be independently removed for inspection, repair or replacement, the shells each having openings through which the water in the chamber may circulate in relation to the thermostatic elements, the hot water admission valve unit being arranged in a lower zone of the chamber with its valve element normally open, the cold water drain valve unit being arranged above the hot water admission valve unit and adjacent the lower zone and an intermediate zone of the chamber and having its valve element normally open, the cold water admission valve unit being arranged above the cold water drain valve unit and adjacent the intermediate zone and an upper zone of the chamber and having its valve element normally closed and the hot water discharge valve unit being arranged in the upper zone of the chamber and above the cold water admission valve unit and having its valve element normally closed, the thermostatic elements of the several units being responsive to hot water in effecting the movements of their several valve elements in order to provide for a definite temperature of the hot water issuing

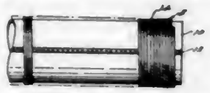
from the hot water discharge unit, increases in water temperature within the chamber causing movements of the valve elements of the hot water admission valve unit and the cold water drain valve unit toward their seats and causing movements of the valve elements of the cold water admission valve unit and the hot water discharge valve unit away from their seats.

2,455,145
FASTENER
Klas Arent Swanstrom, Buckingham Township, Bucks County, Pa.
Application July 26, 1944, Serial No. 546,660
5 Claims. (Cl. 85—32)



2. A fastener comprising a retainer having an apertured base and walls bent transversely to said base and containing slots, and a nut having a base projecting into said retainer base aperture and lugs disposed in said slots and having flanges engaging said retainer base between said walls.

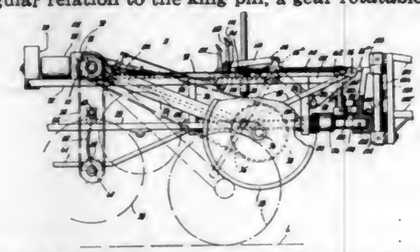
2,455,146
YARN ASSEMBLY
David Tann, Detroit, Mich.
Application June 20, 1946, Serial No. 678,116
6 Claims. (Cl. 2—278)



1. A yarn assembly adapted for the production of pile fabrics comprising a longitudinally extending supporting element formed of a material which is easily torn when perforated by a sewing needle, a strip of adhesive material provided along the longitudinal length of said element, and a continuous length of yarn wound upon said element in a series of adjacently disposed loops each of which engages said adhesive material and is held in place thereby.

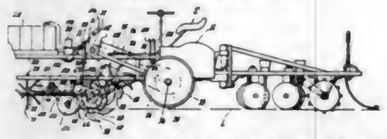
2,455,147
MEANS TO CONNECT TRACTOR AND TRAILER SECTIONS AND FOR EFFECTING STEERING THEREOF
Harry G. Traver, Cranford, N. J.
Application March 31, 1944, Serial No. 528,937
4 Claims. (Cl. 280—97)

2. In agricultural apparatus, a tractor section, a trailer section, and means to pivotally connect the rear end of the tractor section to the forward end of the trailer section and support said ends of the sections one from the other to have independent adjustment about a vertical axis to effect steering of the apparatus, comprising a king pin mounted in vertical position on one end of and intersecting the longitudinal center of one of said sections, a shaft rotatably carried by and disposed in the longitudinal center of the other of said sections, a member fixed on said shaft pivotally engaging the king pin, a toothed sector fixed on the section carrying the king pin and disposed in angular relation to the king pin, a gear rotatable on



said shaft meshing with the teeth of the toothed sector, and means including a hand wheel operative to rotate the gear and move said ends of the tractor and trailer sections one relative to the other about the king pin.

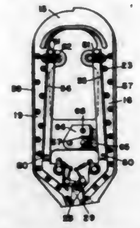
2,455,148
MOTOR-DRIVEN ROTARY DIGGING APPARATUS
Harry G. Traver, Cranford, N. J.
Original application March 31, 1944, Serial No. 528,937. Divided and this application April 28, 1945, Serial No. 590,765
12 Claims. (Cl. 97—40)



1. Apparatus for breaking and working land, a frame, a drive shaft journaled on the frame, a shaft rotatably supported by and extending transversely of the frame operatively connected to and rotated from the drive shaft, circumferentially spaced digger blades spaced longitudinally of and rotatable with said second shaft operative by the rotation thereof to penetrate and move through and not of the land, a pair of traction wheels, means to connect the traction wheels to the frame and permit of raising and lowering movements of the frame and traction wheels relative to each other, means connected to the means connecting the traction wheels to the frame and operative from the drive shaft to raise the frame and lower the traction wheels and support the frame by the traction wheels with the digger blades out of engagement with the land, and lower the frame and raise the traction wheels to support the frame by the digger blades and limit the penetration of the digger blades to a predetermined depth into the land.

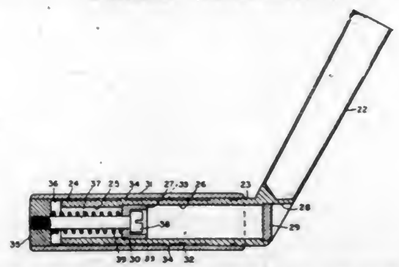
2,455,149
BOBBIN MAGAZINE FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 28, 1947, Serial No. 757,875
7 Claims. (Cl. 139—245)

3. In a weft replenishing mechanism operating with a plurality of bobbins which move by gravity toward a horizontal transfer position, a wall permanently attached to said mechanism and forming one side of a bobbin butt guideway, a movable wall adjustably mounted on said mechanism forming the other side of said guideway for the butts of the bobbin, a second wall permanently connected to the mechanism forming one side of the guideway for the tips of the bobbins, and a second movable wall adjustably mounted on said mechanism forming the other side of the guideway for the tips of the bobbins, said ad-



justable walls being capable independently of each other of assuming a plurality of positions with respect to their corresponding permanent walls to the end that bobbins in said guideways having varying amounts of yarn wound thereon and normally tending to have the tip ends below their butt ends may be caused to move toward horizontal positions.

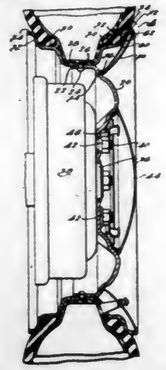
2,455,150
GOLF CLUB
Joseph Verderber, Cleveland, Ohio
Application September 5, 1945, Serial No. 614,461
6 Claims. (Cl. 273—79)



1. In an adjustable golf club, the combination of a hollow shank having a series of longitudinally-spaced annular locking surfaces thereon, a head slidably mounted on said shank, said head having a complementary series of longitudinally-spaced annular surfaces having longitudinal serrations thereon, a spring abutment rigidly secured within said hollow shank, a bolt seated on said abutment and slidably extending through said abutment and having one end thereof secured to said head, and a coil spring disposed within said shank between said abutment and said head and resiliently maintaining said head in the outermost position permitted by said bolt, said position being a position of interengagement of said annular surfaces whereby said head is locked against rotation, said head being manually retractable from the aforesaid position to disengage the head and shank to permit rotation of said head about said shank to selected positions of loft.

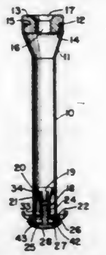
2,455,151
WHEEL TRIM
Edward L. Wood, Detroit, Mich.
Application September 1, 1944, Serial No. 552,226
11 Claims. (Cl. 301—37)

1. In combination with an automobile wheel including a rim terminating in a lip at its axially outer edge, a generally circular member adapted for application to said wheel, spring receiving means on said member located radially inwardly of the periphery thereof, and a plurality of angularly spaced spring elements hingedly secured to



said rim adjacent said lip thereof and extending in a generally radially and axially inward direction therefrom, the free ends of said springs being received by said means and said spring elements being stressed in a direction to maintain said member in contact with said wheel.

2,455,152
SAFETY RAZOR
Walter J. Wolpert, Indianapolis, Ind., assignor of one-half to Martin A. Milling, Indianapolis, Ind.
Application July 25, 1945, Serial No. 607,019
3 Claims. (Cl. 30—41)



1. In a safety razor including a head, a guard and a handle, threadedly connected together for blade clamping purposes, the combination of chamber forming means in the blade confronting face of the guard, water discharging passageways from the chamber means to the blade edge and formed in the blade confronting face of the guard, the handle being tubular, and the guard being ported for water passage therethrough, and sleeve means operatively interposed between the handle and guard for confining handle discharged water to the guard ports, the sleeve means is rigid with the guard and engages the handle.

2,455,153
COMPOSITE STRUCTURAL MEMBER
Paul William Abeles, London W. 11, England
Application February 25, 1943, Serial No. 477,118
In Great Britain March 3, 1942
10 Claims. (Cl. 72—61)

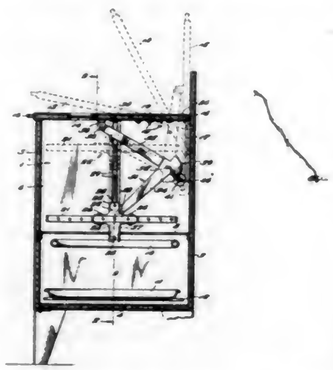
1. A method of manufacture of a composite structural member intended in use to be strained

mainly by bending consisting of three components, comprising forming a first component of considerable compressive strength by molding in an integral whole from a plastic, non-metallic substance which may be steel reenforced, providing at least one straight, symmetrically arranged groove in at least one external surface of said molded component, disposing a tie member, forming the second component, in said external groove of said molded component, applying a tensile prestress in excess of 20,000 lbs. per sq. in. to said tie member, ensuring the tensile force thus produced



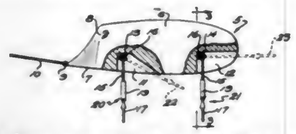
in said tie member to be of uniform value entirely throughout the length of said tie member, inserting into said external groove a filler substance forming the third component of the composite structure, transmitting the tensile force occurring in said tie due to its prestress, as compression to the said molded component, and maintaining a tensile force in the tie and consequently also a compression transmitted to the molded component of a predetermined minimum value after all losses of the prestress owing to shrinkage and plastic flow of the molded component have taken place.

2,455,154
SHELF ELEVATING MECHANISM FOR FOOD CONTAINERS
James R. Bailey, Fort Worth, Tex.
Application July 19, 1946, Serial No. 684,836
1 Claim. (Cl. 312—174)



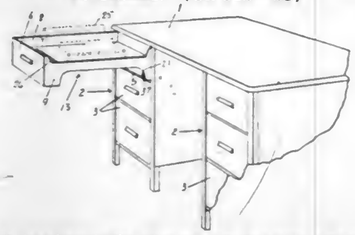
A food container having an open top, a lid for said top vertically swingable to raise and lower the same, pairs of vertical guide bars in said container at opposite sides thereof and spaced apart laterally on each pair, a pair of vertically movable slides with rollers thereon interposed between the pairs of guide bars, a shelf in the container having opposite sides mounted on said slides for vertical movement of the shelf by said slides, a pair of bell cranks in said container at opposite sides thereof pivotally mounted for vertical oscillating movement and having one end pivoted to said lid, links connecting the other ends of said bell cranks to said slides and power means for oscillating the bell cranks.

2,455,155
FISH LURE
Dominick B. Baima, Detroit, Mich.
Application August 1, 1946, Serial No. 687,759
1 Claim. (Cl. 43—46)



A fish lure comprising in combination, a substantially cylindrical body formed in the lower portion thereof with two pairs of spaced parallel, transversely aligned recesses, a pair of pins positioned in said body, each of said pins extending through one pair of said recesses, a pair of spaced parallel fish hooks pivotally suspended from each of said pins, the bills of said hooks being outturned to the sides of said body, and a paddle rigidly securing together the hooks in each pair.

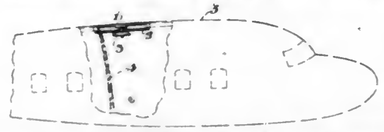
2,455,156
DESK DRAWER FOR TYPEWRITERS, INCLUDING ELEVATING TYPEWRITER SUPPORTS
Clemente Balzi, Paul Juravcoff, and Chester H. Ristenpart, San Francisco, Calif.; said Balzi and said Juravcoff assignors to said Ristenpart
Application March 3, 1945, Serial No. 580,874
12 Claims. (Cl. 312—28)



1. A horizontally elongated drawer adapted to slide longitudinally thereof into and out of a desk comprising a horizontal platform for holding a typewriter upright thereon for movement therewith, a main frame including opposed side frame members and a front and a rear frame member respectively connecting the corresponding ends of said side frame members, means swingingly supporting said platform on said frame between said front and said rear frame member for generally vertical movement upwardly from a lowered position to an elevated position and vice versa, means for releasably securing said platform in said elevated position, and a portion of the lower edge of one of said side frame members for a substantial distance between its ends being appreciably elevated above the said lowered position of said platform to provide knee space below said portion for the knees of an operator when the platform is in elevated position, said portion being at about the height of the said elevated position of said platform.

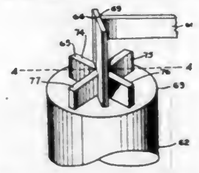
2,455,157
EMERGENCY AIRCRAFT EXIT FOR TRANSPORT AIRCRAFT
Charles A. Bigelow, Houston, Tex.
Application March 5, 1947, Serial No. 732,566
1 Claim. (Cl. 244—129)

In combination with a transport aircraft, having a fuselage, an emergency exit, centrally located on the top portion of the fuselage; said exit including an opening with bevelled edges in the top of the fuselage and a top fabricated with bevelled edges to fit closely down into said opening, said top having attached to the bottom thereof a centrally-located downwardly extending threaded pipe, a wheel shaped nut carried by the lower portion of said pipe, a frame supported



between said nut and the top, and vertically spaced from said top, so as to afford a storage space; a rope ladder secured at one end to the fuselage at the opening thereof and stowable within said storage space, whereby the nut, frame and top may be detached from the fuselage and the rope ladder dropped from its stowed position to afford egress from the fuselage; substantially as described.

2,455,158
WAVE GUIDE COUPLING DEVICE
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 15, 1944, Serial No. 549,618. Divided and this application August 31, 1944, Serial No. 552,173
8 Claims. (Cl. 178—44)

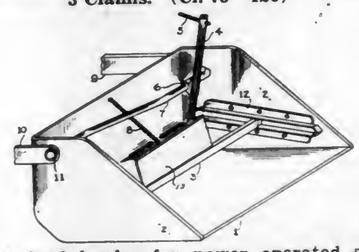


5. In a high frequency system, a rectangular wave guide carrying energy from a high frequency source; a second circular wave guide having a flat plate closing one end thereof, said plate having at least four rectangular radially and symmetrically disposed slits therein, and means comprising a corresponding number of wave guides radially disposed with respect to said circular wave guide and fed from said rectangular wave guide, and extending to said plate, each of said last mentioned wave guides having open ends juxtaposed to the slits in said plate.

2,455,159
PURIFICATION OF TETRAHYDROFURFURYL ALCOHOL CONTAINING FURFURAL AND FURFURYL ALCOHOL AS IMPURITIES
John George Mackay Bremner and David Gwyn Jones, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 3, 1947, Serial No. 726,230. In Great Britain February 27, 1946
12 Claims. (Cl. 260—345)

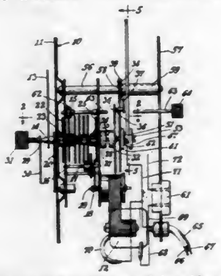
1. A method of treating tetrahydrofurfuryl alcohol to remove impurities therefrom; said impurities being from the group consisting of: (*a*) furfural in an amount not exceeding 10% and in the absence of furfuryl alcohol; (*b*) furfuryl alcohol in an amount not exceeding 15% and in the absence of furfural; and, (*c*) both furfural and furfuryl alcohol in amounts not exceeding 5% each, said amounts being expressed as percentages by weight of the untreated tetrahydrofurfuryl alcohol comprising heating said untreated material in the liquid phase with an acidic substance in an amount not exceeding 10% by weight of said untreated material at a temperature not exceeding the boiling point of the resulting mixture, and recovering tetrahydrofurfuryl alcohol from said mixture.

2,455,160
LOAD LEVELER FOR POWER SCOOPS
Bob Burrow, Maricopa County, Ariz.
Application October 18, 1946, Serial No. 704,108
3 Claims. (Cl. 73—426)



1. A load leveler for power operated scoops comprising, in combination, a scoop body having a bottom, sides, guide channels on the inner faces of said scoop sides a predetermined distance from said bottom, a screed ber having its ends slidably operative in said guide channels so that its lower edge moves in a plane a predetermined distance above said scoop bottom and having an upwardly extending apron, a link yoke pivoted to the sides of said scoop body, a vertically extending operative rod attached to said screed bar pivotally mounted on said link yoke, and a spring operative between said screed bar and the rear portion of said scoop body, adapted to normally retain said bar in inoperative position at the inner end of said guides, and means for drawing the top of said operative bar toward the rear of the scoop body.

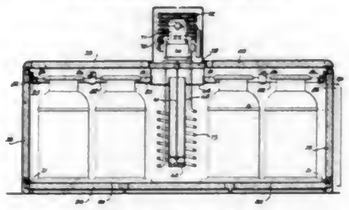
2,455,161
SWITCH CONTROL DEVICE
Arnold Buttner, Flushing, N. Y.
Application February 18, 1946, Serial No. 648,488
5 Claims. (Cl. 200—38)



1. A switch control in combination with a clock, comprising, a frame, a train of gears supported by the latter, a sleeve, a disc mounted thereon and being actuated by said gears, a shaft provided with a knob, and having a disc mounted thereon, a second disc mounted on said shaft, said second disc being formed with a number of openings

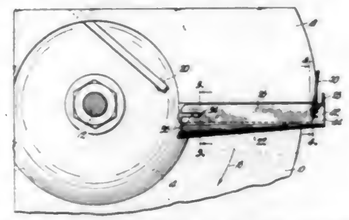
therein, and a pin and spring member engaging the openings in said second disc, substantially as shown and described.

2,455,162
SPRAY COOLING APPARATUS FOR MILK CANS
Daniel Donnelly, Milwaukee, Wis., assignor to Universal Milking Machine Company, Waukesha, Wis., a corporation of Wisconsin
Application May 3, 1945, Serial No. 591,734
15 Claims. (Cl. 62—101)



1. A cooler for chilling freshly drawn milk in cans, comprising the combination with a milk can receiving, heat insulated liquid containing tank, of a motor driven chilling unit mounted on the tank and including expansion coils in the tank below the normal level of the liquid therein, a distributing pan supported from the walls of the tank above the maximum level of the liquid therein, a motor driven pump having connections for supplying liquid to the pan from the lower portion of the tank, and flexibly jointed pipe connections for gravity delivery of liquid from the pan to the neck portions of milk cans in the tank.

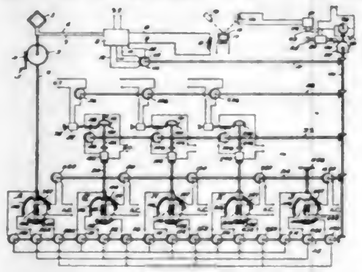
2,455,163
LATCHING DEVICE
Neligh Clair Coates, Kansas City, Mo.
Application February 9, 1948, Serial No. 7,262
11 Claims. (Cl. 51—272)



1. In combination with a rotary cutter disk having a guard enclosing the upper portion of the disk, a stripper adapted to bridge the space between the disk and the edge of the guard, means for detachably mounting the stripper on the guard, said means comprising a bail pivoted to the stripper, holes in the guard adapted to receive the ends of the bail; and means for withdrawing said ends from said holes responsive to a pivotal movement of the bail.

2,455,164
RADIO POSITION FINDING SYSTEM
James A. Ebeling, Charleston, W. Va.
Application May 22, 1945, Serial No. 595,241
5 Claims. (Cl. 343—112)

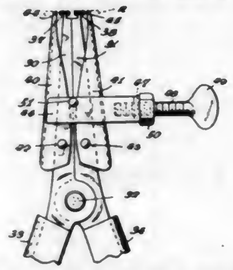
1. In a radio position finding system for mobile craft, an orientable directional antenna, a receiving set having its input connected to said antenna, tuning means for tuning said receiving set selectively to any one of three different carrier frequencies of three different transmitting stations, electrical indicating means connected to the output of said receiving set and responsive to the delivery of minimum output therefrom, a master control switch shaft adapted in successive positions to control the setting of said tuning means to said three frequencies successively, ratchet means for step-by-step rotation of said shaft, solenoid means for advancing said ratchet step-by-step, and being connected for actuation by minimum signal response of said indicating means, a translucent map plate representing the terrain being traversed by said craft, three individual rotatable visual projecting units each comprising a projecting element adapted to project an individual illuminated line on said plate, and each further comprising a rotatable telemetric element and electrically actuatable clutch means for controllably connecting said telemetric element to said projecting element, a telemetric system adapted to coordinately control the orientation of said telemetric elements of said projecting units, and being adapted to be controlled by



the orientation of said directional antenna, and individual switch means controllable by said shaft in particular positions thereof adapted to connect or disconnect each of said telemetric elements to said telemetric system, other individual switch means actuatable by said shaft in particular positions thereof adapted to actuate each of said clutch means, said switch means and the connections thereof to said clutch means being so arranged that in a first position of said shaft, the illuminated line projected from the first of said rotatable projecting units represents the observed bearing of a first one of said transmitting stations, and in a second position of said shaft the illuminated line projected from the second of said rotatable projecting units represents the observed bearing of a second one of said transmitting stations without disturbing the previously projected line representing the bearing of said first station, and in a third position of said shaft the illuminated line projected from the third of said rotatable projecting units represents the observed bearing of the third one of said transmitting stations without disturbing the two previously projected lines representing the bearings of said two first stations.

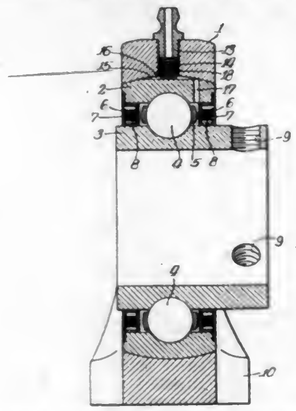
2,455,165
TOOL FOR HANDLING RETAINING RINGS
Rudolf Feitl, Brooklyn, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application August 11, 1944, Serial No. 549,056
3 Claims. (Cl. 29—223)

1. A plier-type tool for handling open-ended retaining rings provided at their ends with apertured ears comprising a pair of uncrossed levers and pivot means operatively connecting said levers intermediate their ends, the ends of the levers to one side of the pivot means constituting plier tips terminating in pin-like working points adapted to be inserted into the ear apertures and the other ends constituting handles which are adapted to be brought together to spread the working points and thereby the ends of the rings, a pair of arms disposed outwardly of and extending closely adjacent to and along the opposite sides of the plier tips and in the path of spreading movement thereof, each arm being pivotally connected adjacent its one end to one of said levers,



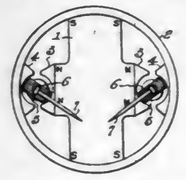
the other ends of the arms terminating substantially at the working points and being formed as jaws which are disposed outwardly and in the path of movement of the working points, and means extending between and operatively engaging each of said arms at points spaced from their pivotal connections to limit their spreading movement to a predetermined distance, said means including adjustable means for varying said distance as desired, said jaws adapted to engage the apertured ears of a ring being spread by said working points and to limit the movement thereof whereby each ear is gripped by a jaw and its corresponding working point.

2,455,166
SHAFT BEARING
David Firth, South Bend, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana
Application August 23, 1946, Serial No. 692,599
11 Claims. (Cl. 308—187)



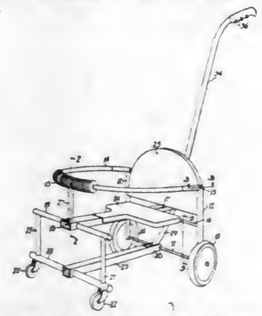
1. In a self-aligning shaft bearing comprising a sealed annular antifriction bearing unit having an exteriorly spherical outer race ring and an interiorly spherical housing in which it fits, a lubricant-conducting motion-limiting connection between said housing and race ring embodying means for resiliently pressing said unit against its seat in the housing, through which connection lubricant can be introduced to the interior of said unit in any position which it can assume.

2,455,167
DUAL ELECTRIC INSTRUMENT
Roswell W. Gilbert, Montclair, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application November 15, 1944, Serial No. 563,618
2 Claims. (Cl. 171—95)



1. A dual electrical instrument of the self-shielding type comprising a permanent magnet of generally cruciform shape having one relatively long bar and a shorter transverse bar, the end faces of each bar being of the same polarity and the polarity of the end faces alternating around the permanent magnet, a shielding yoke of high permeability encircling the permanent magnet, means including cooperating sets of pole pieces secured to the shorter bar of said permanent magnet and to said yoke forming magnetic flux circuits through the air gaps between the pole pieces of each set, cores in said gaps, and coils angularly movable about said cores.

2,455,168
FOLDING CHILD'S VEHICLE
Roy E. Gilmore, Portland, Oreg.
Application June 7, 1946, Serial No. 674,991
1 Claim. (Cl. 280—36)



A child's vehicle having in combination a rear axle, ground engaging wheels at opposite ends of said axle, a lower bumper bar in front of and parallel with said axle, ground engaging caster wheels supporting the ends of said bumper, a central reach connecting said axle and lower bumper, standards mounted near the ends of said axle, a seat back between the upper ends of said standards, a cross brace between the middle portions of said standards, vertical spindles mounted on the ends of the lower bumper, an upper bumper secured across the

upper ends of said spindles, a seat supporting bar hinged to the middle of said upper bumper and cross brace and extending behind said cross brace, a seat on said bar, a handle member hinged to said rear axle and to the rear end of said bar, a vertical brace on the middle of said upper bumper, a guard attached to said standards and supported at its forward ends by said vertical brace and extending around the front of the seat, said guard, said supporting bar and reach being in parallel relationship and capable of being collapsed, and a latch for holding the parts in operative or collapsed positions.

2,455,169
COLORED COUPLERS
Dudley B. Glass, Paul W. Vittum, and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 3, 1944, Serial No. 533,931
5 Claims. (Cl. 95—6)

1. The method of developing a colored image in a silver halide emulsion layer, which comprises incorporating in said layer a coupler compound having the formula:

$$p\text{—}HO\text{—}R\text{—}N{=}N\text{—}R'$$

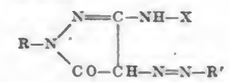
where R is an aromatic nucleus selected from the class consisting of nuclei of the benzene and naphthalene series, said nucleus having the azo group and the hydroxyl group para to each other, and R′ is selected from the class consisting of aromatic and heterocyclic radicals, and said coupler compound contains no reactive phenolic hydroxyl group other than that to which the azo group is attached, exposing said layer and developing it with a primary aromatic amino developing agent, thereby splitting off the

$$\text{—}N{=}N\text{—}R'$$

group in said coupler compound and coupling said compound at the point of splitting with the oxidation product of the primary aromatic amino developing agent to form a dye image, leaving said coupler compound intact in the regions of said layer undeveloped by said developing agent.

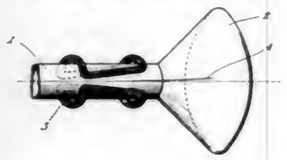
2,455,170
COLORED COUPLERS
Dudley B. Glass, Paul W. Vittum, and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 3, 1944, Serial No. 533,932
7 Claims. (Cl. 95—6)

1. The method of developing a colored image in a silver halide emulsion layer which comprises incorporating in said layer a coupler compound having the formula:



where R is an aryl group, R′ is an aryl group of the benzene series and X is an acyl group, and said coupler compound contains no other reactive CH group, exposing said layer and developing it with a primary, aromatic amino developing agent, thereby splitting off the —N=N—R′ group in said coupler compound and coupling said coupler compound at the point of splitting with the oxidation product of the primary, aromatic amino developing agent to form a dye image, leaving said coupler compound intact in the undeveloped regions of said layer.

2,455,171
SYSTEM FOR MAGNETIC DEFLECTION IN CATHODE-RAY TUBES
Johan Haantjes, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 14, 1946, Serial No. 641,165
In the Netherlands September 8, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 8, 1963
3 Claims. (Cl. 250—157)



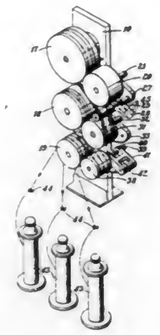
1. A magnetic deflecting system for a cathode ray tube having means directing an electron beam along a longitudinal axis and having electron beam receiving means at one end thereof, comprising two deflecting coils surrounding the axis, each said coil being symmetrical to the other with respect to a plane through said axis and each having a first end portion closer to said electron beam receiving means and a second end portion farther from said electron beam receiving means, said first end portions being separated by a gap different in magnitude from the gap separating said second end portions.

2,455,172
PRODUCTION OF 2-MONOSUBSTITUTED PYRIMIDINES
George W. Hearne, El Cerrito, Theodore W. Evans, Oakland, and Harry L. Yale, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 26, 1948, Serial No. 4,468
11 Claims. (Cl. 260—251)

1. Process which comprises reacting propargyl aldehyde diethyl acetal with guanidine nitrate in a substantially anhydrous acidic liquid medium to produce a salt of 2-aminopyrimidine as the principal product of the reaction.

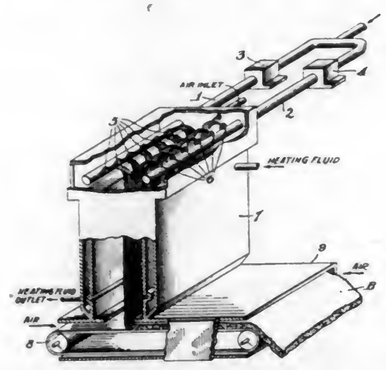
2,455,173
YARN TREATING APPARATUS
Ira V. Hitt, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 25, 1946, Serial No. 672,259
14 Claims. (Cl. 28—71.3)

10. Apparatus for stretching at elevated temperatures an extensible material comprising, in combination, a roller, a shaft for driving said roller, a second roller, gear mechanism connected with said shaft and said second roller for driving said second roller, means for heating at least one of said rollers a pivoted mounting for one of said rollers permitting peripheral contact between said rollers and permitting relative movement between said rollers during rotation, two stretching rollers adapted to operate at a higher peripheral speed than said first roller, one of said stretching rollers being provided with movable mounting means for permitting relative movement between said stretching rollers during rotation and two relaxing rollers adapted to op-



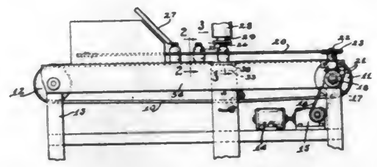
erate at a lower peripheral speed than said stretching rollers, one of said relaxing rollers being provided with movable mounting means for permitting relative motion between said relaxing rollers during rotation.

2,455,174
FREE FALL FIBER
Ira V. Hitt, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Original application February 25, 1943, Serial No. 477,012. Divided and this application October 9, 1946, Serial No. 702,324
11 Claims. (Cl. 18—54)



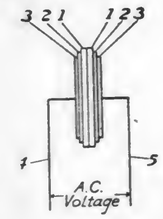
1. The process of spinning thermoplastic, organic solvent-soluble, filament-forming material to form crimpy filaments substantially free of molecular orientation along the filament axis which comprises extruding an organic solvent solution of said filament-forming material in the form of fine streams upwardly into an evaporative atmosphere under a jet velocity sufficient to project said streams a distance sufficient to permit the setting of said material to the state of self-sustaining filaments and thereafter permitting the set filaments to fall under their own weight, without subjecting them to added tension, onto a collecting device.

2,455,175
CAPPING MACHINE
John Hohl, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application August 25, 1944, Serial No. 551,169
7 Claims. (Cl. 226—78)



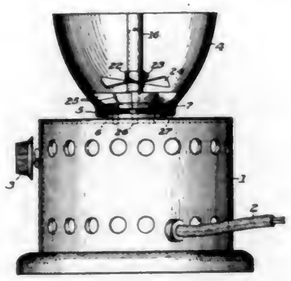
1. The combination of an endless conveyor comprising a pair of parallel-spaced conveyor belts, a horizontally-disposed stationary conveyor frame along which the belts travel, said frame including a spacing rib extending longitudinally thereof between the belts with the upper surface of the rib a slight distance below the surface level of the belts, a ram positioned over the conveyor and spaced therefrom to permit the passage of the jars with caps loose thereon to a capping position between the conveyor and ram, and means for reciprocating the ram vertically and forcing the caps into position on the jars, said conveyor belts being under tension and yieldable downward under the pressure applied thereto through the jars and thereby permitting each jar to be supported directly on said rib while under said downward pressure, said conveyor frame having belt supporting surfaces extending lengthwise beneath the belt at opposite sides of the capping position and terminating short of the capping position, the belts being free from bottom support within the capping zone to permit said downward yielding thereof.

2,455,176
SELENIUM RECTIFIER ELEMENT
Carl E. Holmes, La Crescenta, Calif., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York
Application April 16, 1945, Serial No. 588,642
4 Claims. (Cl. 175—366)



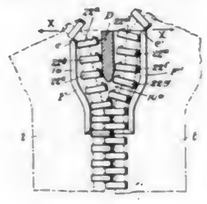
1. In a method of producing selenium rectifier elements the steps which comprise connecting electrically like electrodes of two selenium rectifier elements and applying to the other pair of electrodes an alternating current voltage of from about 18 volts to about 30 volts for a sufficient period of time so as to develop a high resistance in the elements in the reverse direction, the magnitude of this resistance being such that upon application of a direct current voltage of about 8 volts in the reverse direction the leakage current will not exceed about 0.5 milliampere per square centimeter.

2,455,177
MECHANICAL MIXING BOWL
Russell E. Irish, Pittsburgh, Pa.
Application September 18, 1946, Serial No. 697,752
12 Claims. (Cl. 259—108)



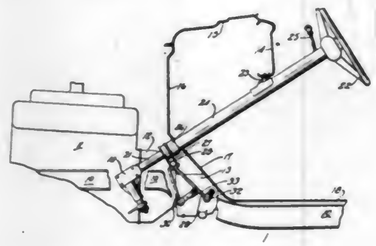
1. In a mechanical mixing bowl assembly comprising an encased electrical motor having a vertical shaft, the combination of a flexible bowl, two opposed plates arranged respectively inside and outside the said bowl and engaging the base of the bowl between them over a major proportion of the area of said base, a tubular agitator-mounting and motor shaft-receiving post extended upwardly from the base of said bowl, an agitator-carrying element rotatable on said tubular post and arranged to engage the motor shaft therewithin, and means on the outer of the two said plates arranged to position the said flexible bowl on the motor casing against the torque of the motor shaft.

2,455,178
WINGLOCK SLIDER FOR SLIDE FASTENERS
Lester L. Jones, Oradell, N. J., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application March 3, 1944, Serial No. 524,861
4 Claims. (Cl. 24—205.14)



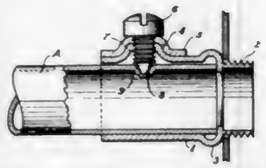
1. A winglock slider for slide fasteners comprising two spaced wings joined at their upper ends and provided at their opposite sides with inturned flanges, said slider defining an internal Y-shaped channel for the through movement of two interlocking slide fastener stringers, the opposite sides of at least one of said wings being provided at the upper end of the slider with inturned generally parallel and longitudinally arranged flange members which are adapted to lockingly engage the elements of the slide fastener stringers on a cross pull, the free ends of said members being asymmetrically spaced longitudinally of the slider a distance approximately equal to one-half of the pitch between the fastener elements on the stringers.

2,455,179
CONCENTRIC STEERING COLUMN GEARSHIFT
Milton Jovanovich, Detroit, and John J. Wharam, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 19, 1945, Serial No. 623,246
8 Claims. (Cl. 74—484)



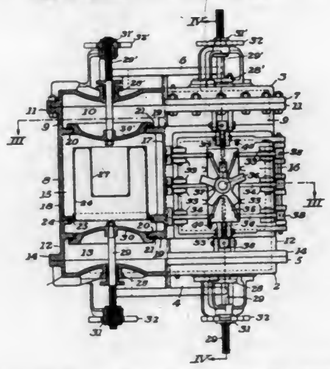
1. In a gearshifting mechanism associated with the steering column of a motor vehicle, comprising, a tube concentrically mounted exteriorly of said column for reciprocation and rotation with respect thereto, a pair of axially aligned arms rotatably mounted on said steering column adjacent the lower part thereof, clutch means operated by said tube for selective engagement and operation of said arms and means adjacent the upper end of said steering column to reciprocate and rotate said tube comprising a fulcrum bracket fixed with respect to and extending outwardly of said tube and an operating lever having an intermediate pivot on said fulcrum bracket and its inner end engaging said steering column.

2,455,180
THIN-WALL TUBING CONNECTOR
Frank J. Kennedy, Brooklyn, N. Y., assignor to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Delaware
Application May 13, 1947, Serial No. 747,665
2 Claims. (Cl. 285—168)



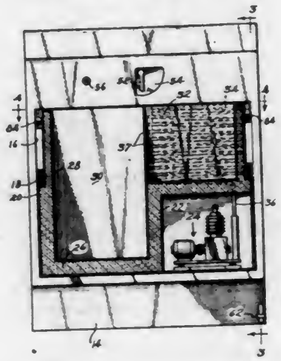
1. A thin-wall tubing connector comprising a tubing-embracing sleeve including an external tubular projection providing a bore of substantial length diametrically positioned with respect to tubing embraced by said sleeve and threaded to receive the shank of an engagement screw, an engagement screw having a shank threaded in the bore of said projection and a constricted penetrative cylindrical tip having an approximately plane terminal surface presented diametrically to tubing embraced by the said sleeve, and means cooperative between the said engagement screw and the said sleeve to determine the extent of the indenting and embedded engagement of embraced tubing by the said constricted cylindrical tip of the screw.

2,455,181
STRAINER
Selwyne P. Kinney, Crafton, and Louis M. Hartwick, Beaver, Pa., assignors, by mesne assignments, to S. P. Kinney Engineers, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1943, Serial No. 497,020
10 Claims. (Cl. 210—168)



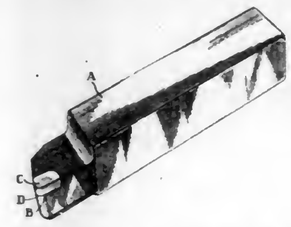
9. A strainer of the class described comprising a body having a single chamber at each end thereof, and a plurality of individual compartments between the two end chambers, the compartments each opening into the chambers at each end through a port, an end member at each end of the body closing the chamber, a plurality of valve disks with operating stems carried on each end member, each valve cooperating with one of the ports and serving to control the flow of fluid between the chamber and one end of a compartment, the body having a separate doorway opening into each compartment, a closure for each doorway and a basket strainer in each compartment removable through the doorway.

2,455,182
REFRIGERATOR DRAWER
Oscar A. La Vallee, Wolf Point, Mont.
Application November 1, 1946, Serial No. 707,299
8 Claims. (Cl. 62—116)



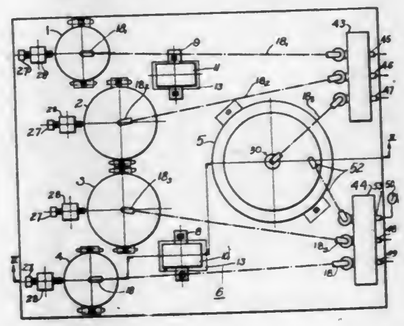
1. A refrigerator comprising a housing, a drawer slidable laterally from said housing, a refrigerant liquefying unit housed in a chamber in said drawer, said drawer having an insulating liner in the walls and bottom thereof and partition means defining freezing and food storage compartments, refrigerating coils connected with said refrigerant liquefying unit and embedded in said insulating liner, a sealing cover of insulating material carried by said housing above said drawer, latch means for retaining said drawer in closed position and means for vertically lowering and elevating said sealing cover for respectively sealing and unsealing said drawer.

2,455,183
TOOL
Franklin Howard Lobdell, Naugatuck, Conn., assignor to The Bullard Company, a corporation of Connecticut
Continuation of application Serial No. 321,743, March 1, 1940. This application May 10, 1944, Serial No. 534,951
7 Claims. (Cl. 29—95)



3. A tool having a tip portion of a material having a hardness in excess of 60 Rockwell C and/or possessing the characteristic of red hardness; a shank portion made from a cast iron containing about .20%–.30% nickel; and a strain-resistant layer of bonding material between said tip and shank throughout the entire area of tip support on said shank portion, whereby tendencies toward tip fracture during normal use are substantially eliminated.

2,455,184
TOTALIZING DEVICE
Alfred A. Markson, Mount Lebanon, Pa., assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 20, 1945, Serial No. 636,112
2 Claims. (Cl. 137—153)



1. A totalizing device comprising a base member, a torque arm disposed below said base member, a pair of knife edges on said base member, one being disposed above but adjacent one side of said torque arm and the other being disposed above but adjacent the opposite side of said

torque arm, the knife edges being in the same plane and extending transversely of the torque arm, a stirrup secured to each side of the torque arm, said stirrups bearing on the knife edges and suspending the torque arm therefrom, a plurality of pressure receiving units disposed on and spaced crosswise of said base member, each unit having a diaphragm and push rod connecting said diaphragm to said torque arm, the diaphragm of each unit exerting a force on said torque arm proportional to the effective area thereof and the value of pressure acting thereon, a balancing unit on said base member having a diaphragm and a push rod acting on said torque arm in a direction opposing the forces exerted on the torque arm by said pressure receiving units, said balancing unit having a valve arranged to be actuated by its diaphragm in response to movement of said torque arm out of balanced position to regulate the admission and discharge of fluid pressure to the diaphragm of said balancing unit to maintain a balance between the forces exerted by said pressure units and said balancing unit on said torque arm, said valve being in closed position when the torque arm is in balanced position, the value of the balancing pressure established in said balancing unit being proportional to the algebraic sum of the pressures received by said pressure receiving units.

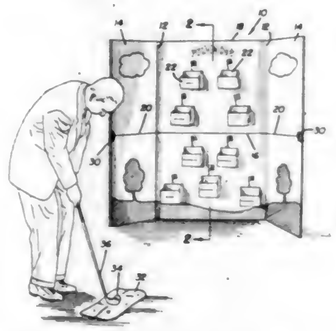
2,455,185

PITCH AND CHIP GOLF GAME

Mike D. May, Durham, N. C.

Application December 6, 1946, Serial No. 714,520

1 Claim. (Cl. 273—35)



In a game, the combination of a substantially rectangular backboard having a scenic simulated golf course view thereon, transverse creases in said board and a longitudinal crease through the center thereof, cuts formed as continuations of said longitudinal crease, for folding said board to substantially one-fourth its open area, a plurality of collapsible, semi-rigid material, substantially rectangular receptacles secured to said board, said receptacles having accordion pleats along the sides thereof so that they can be collapsed in folding said board, said receptacles simulating holes of a golf course, and indicia on said board indicating a hole number corresponding to the adjacent receptacle, resilient clips detachably secured to said backboard and overlying said cuts for maintaining the material of the backboard on each side of the cuts in alignment, said receptacles having front walls and relatively longer and flat back walls, said back walls being attached flush against the plane surface of said backboard.

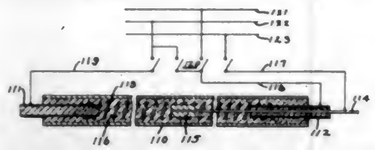
2,455,186

DOMESTIC ELECTRIC HEATER

Francis H. McCormick, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application November 2, 1946, Serial No. 707,451

19 Claims. (Cl. 201—67)



1. In combination, a tubular sheath having two ends, a first cylindrical terminal at one end, a second cylindrical terminal at the other end, a spiral resistance in said sheath connected to said terminals, and a conducting rod passing through said first cylindrical terminal and connected to an intermediate point on said resistance.

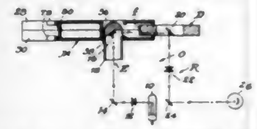
2,455,187

PHOTOGRAPHIC FILM MAGAZINE

Freeman H. Owens, New York, N. Y.

Application September 24, 1943, Serial No. 503,650

12 Claims. (Cl. 179—100.3)



1. A photographic film magazine comprising a magazine casing having side walls and end walls, spaced mountings in the casing for receiving supply and take-up film reels, an opening in a side wall of the casing for receiving an external film driving element, guide means in the magazine for guiding the film in its movement from the supply reel to the take-up reel past said opening and in engagement with said film driving element, and means in an end wall of the casing for permitting light to be transmitted from an external source through said end wall into the casing to be reflected therein at an angle and then transmitted through the film, the said side wall opening and said driving element.

2,455,188

DRILLING FLUID

William F. Oxford, Jr., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application February 25, 1946, Serial No. 650,143

6 Claims. (Cl. 252—8.5)

1. A drilling fluid comprising water and finely divided silica aerogel in a minor amount sufficient to impart thixotropic properties but insufficient to render the mixture unpumpable.

2,455,189

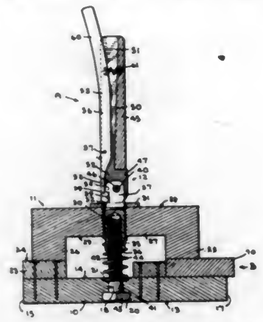
WORK HOLDER FOR WOODWORKING MACHINES

Alfred Pedersen, Warren, Pa.

Application August 7, 1945, Serial No. 609,396

2 Claims. (Cl. 144—290)

1. In woodworking apparatus, a work piece clamp including a clamp body having an outer face, end portions, a bridge piece extending from one portion to the other, said bridge piece having a perforation extending therethrough, a bed plate, a member slidably extending through said perforation and having a bill portion at its end extending from the outer face of said bridge piece and provided with a bill, means securing said member to said bed plate, a handle, having a longitudinally extending slot, a cam face and a substantially flat face, means pivoting said handle to said bill portion, said outer face being engageable by said cam face when said handle is



in a position with its longitudinal axis substantially normal to the longitudinal axis of said bridge piece and said outer face engageable by said substantially flat face when said handle is in substantial parallelism with said bridge piece, said substantially flat face being nearer said pivoting means than is said cam face, and a lever pivoted to said handle, having a projection engaged by said bill when said handle is in one of said positions, said lever being disposed mainly within said slot and its pivot being spaced from said pivoting means.

2,455,190

EXTRACTING POTASH FROM WYOMINGITE

Robert D. Pike, Pittsburgh, Pa.

Application August 2, 1944, Serial No. 547,699

11 Claims. (Cl. 23—33)

1. That method of extracting potash from Wyomingite comprising treating only all of the fresh Wyomingite in a first autoclave under steam pressure with solution from a second autoclave, separating partly exhausted tails from the solution from said first autoclave, treating said tails in said second autoclave with that amount of fresh sodium carbonate substantially theoretically equivalent to potash in the fresh Wyomingite treated in said first autoclave, separating exhausted tails from the solution from said second autoclave and passing the solution to the first autoclave, crystallizing and separating from the solution from said first autoclave sodium carbonate and then soduim potassium carbonate, and producing a mother liquor containing potassium carbonate.

2,455,191

RADIO WAVE DETECTOR SYSTEM

Claude Langdon Richards, London, England, assignor to The Mullard Radio Valve Company Limited, London, England

Application November 18, 1944, Serial No. 564,085

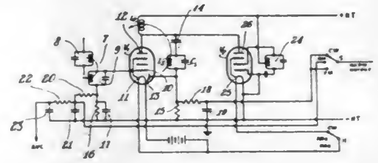
In Great Britain July 30, 1943

Section 1, Public Law 690, August 8, 1946

Patent expires July 30, 1963

5 Claims. (Cl. 250—27)

1. A detector system for a carrier wave having a predetermined central frequency, comprising a discharge tube having a cathode, an anode and a control grid interposed between the cathode and the anode, an input circuit for the carrier wave connected between the control grid and the cathode, a resistance element and a condenser element connected in shunt with each other and in series with the control grid and the cathode for producing grid circuit limiting of the carrier wave and for generating a potential proportional to the amplitude of the carrier wave, a transformer having a primary winding in the output circuit of said anode and a secondary winding, said secondary winding being tuned to substantially the said predetermined frequency and being magnetically coupled to said primary winding to produce a terminal voltage



in quadrature with the voltage of the primary winding, means to interconnect one end of each of said windings to thereby combine the voltage of the primary winding and said terminal voltage to produce a resultant voltage, means for rectifying said resultant voltage to produce a potential proportional to the amplitude of said resultant voltage, a heterodyne oscillator coupled to said discharge tube, means to energize said discharge tube and said heterodyne oscillator, an output circuit, and means to selectively connect the output circuit to said means for generating a potential proportional to the amplitude of the carrier wave and said means to generate a potential proportional to the amplitude of said resultant voltage and to selectively energize said heterodyne oscillator.

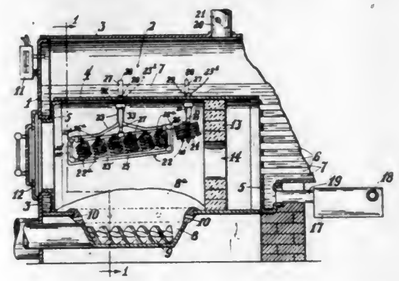
2,455,192

PREHEATING INSTALLATION IN BOILERS FOR QUICK HEATING AND STEAMING

Roy H. Robinson, Chicago, Ill.

Application July 27, 1942, Serial No. 452,482

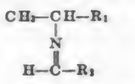
8 Claims. (Cl. 122—68)



1. In combination in a heating plant having a firebox with a crown-sheet and a water jacket, at least one stirrup-like tubular frame suspended from said crownsheet and operatively connected with said water jacket and a battery of spaced apart tubular heating elements supported on said frame and operatively connected with said frame and water jacket.

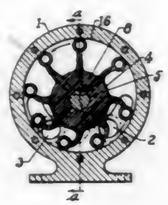
2,455,193
ALDEHYDE DERIVATIVES OF 2-AMINOALKANES
Ewald Rohrmann, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 26, 1944, Serial No. 546,741
2 Claims. (Cl. 260—566)

2. An aldehyde derivative of a 2-aminoalkane, said derivative having the general formula



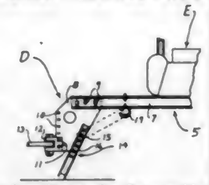
in which R_1 represents an alkyl group having from 4 to 7 carbon atoms and R_2 represents a hydrocarbon of the group consisting of the phenyl radical and alkyl radicals having from 1 to 3 carbon atoms.

2,455,194
ROTARY FLEXIBLE VANE PUMP
Edward C. Rumsey, Detroit, Mich.; Lillian Gray Rumsey executrix of said Edward C. Rumsey, deceased
Application November 10, 1943, Serial No. 509,673
7 Claims. (Cl. 103—117)



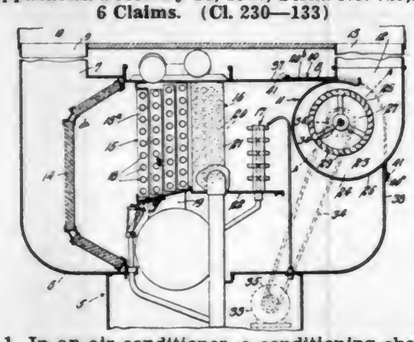
1. A rotary displacement pump comprising a cylindrical casing consisting of an annular wall and opposed flat end walls, said casing having spaced inlet and outlet ports, a rotor body of resilient material within said casing, said rotor body consisting of a rotor hub and a plurality of spaced integral flexible vanes each extending radially from the said rotor hub, means rotating said rotor body in either clock-wise or counter-clock-wise direction of rotation, said vanes rotatable in either direction with equal functional results, said rotating means and the rotor body having their respective axii concentric, said axii being disposed eccentrically relative the axis of the casing annular wall, said rotating means being supported in said casing, said rotor hub periphery being spaced from the said casing annular wall, the lateral edges of said vanes engaging said casing end walls, the longitudinal edges of said vanes engaging said casing annular wall to form pumping chambers, each of said vanes being successively flexed due to the varying relationship of the annular wall and the rotor body during each revolution of said rotor body, said vane longitudinal edges sealing the said pumping chambers against leakage only when the back pressure of the fluid being pumped is less than the predetermined amount, said rotor body hub being provided with means for reducing the heat generated by the friction of the rotor body hub ends that operate under pressure in contact with the said cylindrical casing end walls.

2,455,195
COMBINATION DRAWBAR AND SUPPORT STRUCTURE
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Original application April 19, 1941, Serial No. 389,396. Divided and this application November 11, 1944, Serial No. 563,040
3 Claims. (Cl. 280—33.44)



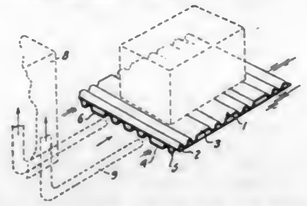
1. In a baler having a body portion the combination of a front platform including spaced beam members and a vertically extending plate secured therebetween and projecting beyond the margins thereof, means on the plate for attaching the draw bar of a propelling vehicle and an upwardly open U-shaped stand element swingably mounted on the plate and having opposed side portions engaging opposite surfaces of said plate, stop means on the plate, said stand element being swingable downwardly from an upper inoperative position through a vertical position to a downwardly inclined position resting against said stop means whereby the weight of the baler tends to further swing said stand element, said stop portion being positioned to be engaged by said stand element to prevent further swinging of said stand element.

2,455,196
AIR CONDITIONING
Walter M. Simpson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application February 18, 1947, Serial No. 729,344
6 Claims. (Cl. 230—133)



1. In an air conditioner, a conditioning chamber having an opening therein, an air directing casing in the conditioning chamber having an outlet duct projecting through the opening and a laterally extending cover plate overlying the conditioning chamber at the sides of the opening, said conditioning chamber and cover plate being so constructed and arranged as to mount said air directing casing in a plurality of positions in the conditioning chamber so that its outlet duct may project through the opening in different directions, common means for attaching the cover plate to the conditioning chamber in any of its plurality of positions, and means to deliver air from said conditioning chamber through said air directing casing.

2,455,197
MATERIAL SUPPORTING PALLET
Franklin Stemple Sullivan, Farmington, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 9, 1946, Serial No. 668,412
5 Claims. (Cl. 248—120)



2. A load supporting pallet for use with a lifter having pick-up arms, comprising a pair of plates with flat bottom open end corrugations of dimensions to take pickup-arms placed one upon the other with the corrugations running crosswise and secured together at the bottom of the channels formed by the corrugations where these channels lie together, the said flat bottoms forming the contact surface with the floor and the supporting surface for the load.

2,455,198
PROCESS OF MAKING SHAPED ARTICLES
Gordon T. Vaala, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 5, 1943, Serial No. 489,805
6 Claims. (Cl. 154—102)

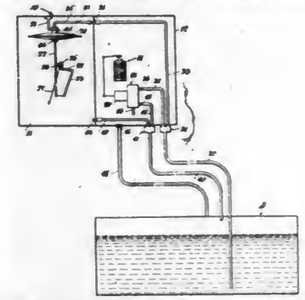
1. The process of preparing non-thermoplastic and insoluble films which comprises milling at a temperature below 80° C. a polyvinyl acetal resin having a hydroxyl number from 121 to 165 with from 1% to an equal amount thereof of a lower alkyl ether of dimethylol urea calendering the mixture into a film and thereafter curing the film at a temperature between 80° C. and 125° C. to render it non-thermoplastic and insoluble.

2,455,199
METHOD OF BLANCHING NATURAL GUMS OR RESINS
Lawrence R. Van Allen, Chicago, Ill.
No Drawing. Application November 2, 1944, Serial No. 561,645
4 Claims. (Cl. 106—236)

1. The method of blanching seedlac and shellac, hereinafter referred to as lac, which consists in agitating the lac in alcohol, to which alcohol has been added from 1 to 5 per cent by weight of technical sodium chlorite with relation to the lac content of the alcohol-lac solution, the total amount of alcohol used being sufficient to dissolve the lac, gradually adding a quantity of alcohol which has been acidified to about pH3 to 5, and agitating the mixture.

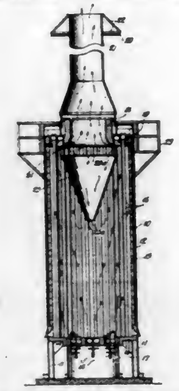
2,455,200
LIQUID LEVEL INDICATOR
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application January 6, 1944, Serial No. 517,180
9 Claims. (Cl. 73—299)

9. An apparatus for measuring the liquid in a container, comprising a sealed chamber, a pressure gauge having its pressure-responsive element mounted in said chamber, a pressure tube for connecting the pressure-responsive element of the gauge with a point below the liquid level in the container the liquid in which is to be measured, a pressure equalizing tube for connecting the sealed chamber with the space in the container above the liquid level, an air pump the pressure chamber of which is connected to each of said tubes through a restricted orifice, and a device for attachment to the container comprising a casing partitioned to provide two sealed trap chambers to one of which the pressure tube con-



nects and to the other of which the pressure equalizing tube connects, a valve body secured in an opening in the bottom of each of the trap chambers and having an air flow opening therethrough, a spring-pressed valve in each of said valve bodies, seating against a seat in the valve body, each valve being fast on a slidably guided valve rod, a tiltable weight in each trap chamber which normally seats on a seat at the top of the valve body and holds the valve open by engagement with the end of the valve rod and when it tilts or moves away from the seat permits the valve to be closed by its spring, and an immersion tube extending from the valve body of the trap chamber to which the pressure tube is connected.

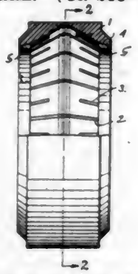
2,455,201
FURNACE BAFFLE
John S. Wallis, Darien, and John W. Throckmorton, Wilton, Conn., assignors to Petro-Chem Process Company Incorporated, a corporation of Delaware
Application January 3, 1944, Serial No. 516,754
2 Claims. (Cl. 110—97)



1. A furnace having a vertically elongated combustion chamber, heat exchange units ar-

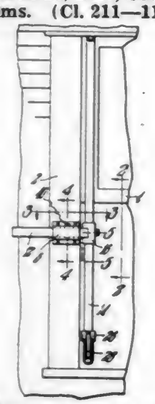
ranged about its interior wall, a source of combustion gases in the bottom thereof, a flue outlet at the top of the combustion chamber and a funnel shaped baffle with its large end uppermost centrally positioned within the upper portion of the combustion chamber immediately adjacent the flue to provide an annular passageway thereabouts, said baffle open at top and bottom permitting downward passage of gases through the interior of the baffle and upward passage of gases exterior of the baffle.

2,455,202
PACKING
Cecil Ware, Houston, Tex.
Application March 26, 1945, Serial No. 584,871
1 Claim. (Cl. 288—2)



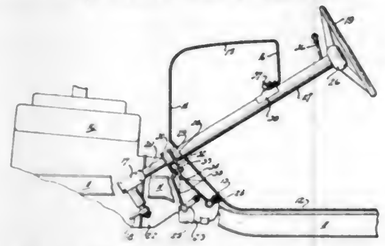
A packing unit comprising, an approximately circular skeleton formed of sheet material which is radially arched and which is provided with transverse slots across the arch and transverse marginal slots staggered with respect to the slots across the arch, resilient packing material molded about the skeleton and forming a continuous annular sealing surface on one side of the skeleton and spaced, annular, sealing surfaces on the other side of the skeleton.

2,455,203
CLOTHESLINE APPARATUS
Clifford S. West, Adams, Mass.
Application March 12, 1947, Serial No. 734,075
3 Claims. (Cl. 211—119.08)



2. Apparatus for supporting an inner portion of an endless clothesline adjacent a window comprising in combination, a bracket having a longitudinal cylindrical bore and adapted to be secured to the side of a window with the longitudinal axis of said bore disposed horizontally, a cylindrical guide reciprocable and oscillatable in said bore, an elongated tubular support adapted to receive the inner portion of the clothesline extended therethrough, said support having a curved outer end and a pulley at its inner end, a bearing on the inner end of said guide in which the support is connected intermediate its ends with its longitudinal axis disposed at right angles to that of said guide, said guide provided with a continuous slot having a portion extending longitudinally from adjacent its inner end towards its outer end and a transverse portion adjacent its outer end and a locking portion extending longitudinally from said transverse portion towards the inner end thereof, and a key in said bracket disposed in said slot, said key and slot arranged to permit the support to be moved from an inoperative vertical position wherein the bearing of said guide is disposed adjacent said bracket away from said bracket and swing to horizontally disposed operative position and then moved towards said bracket into locked position.

2,455,204
CONCENTRIC STEERING COLUMN GEAR-SHIFT OPERATING MECHANISM
John J. Wharam, Dearborn, and Milton Jovanovich, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 19, 1945, Serial No. 623,248
9 Claims. (Cl. 74—484)

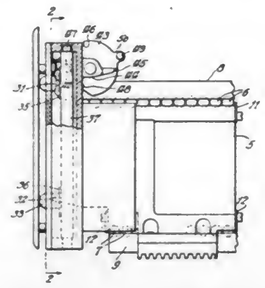


1. In an operating mechanism for a steering column gearshift employing a concentric operating member reciprocably and rotatably mounted exteriorly of the column, comprising a steering column, an operating member, an extending bracket on said member, an operating lever pivoted on said bracket and having an inner end slidably received in a channel fixed with respect to said column and extending circumferentially normal to the longitudinal axis thereof.

2,455,205
COMPOSITIONS SUITABLE FOR USE AS GAS AND POWER PRODUCING LIQUIDS
John Whetstone, West Kilbride, and James Taylor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 17, 1946, Serial No. 684,242. In Great Britain August 24, 1945
1 Claim. (Cl. 52—14)

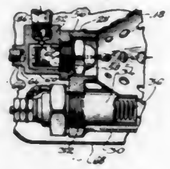
A gas and power producing composition comprising a blend of from 40 to 55 parts by weight of ammonium nitrate, from 25 to 30 parts by weight of urea, and from 20 to 25 parts by weight of ammonium nitrate freezing point depressants selected from the group consisting of ammonium sulphamate, ammonium thiosulphate, ammonium formate, ammonium acetate, ammonium thiocyanate, ammonium hypophosphite, acetamide, propionamide, and methylamine nitrate, said blend having a fusion point in the range of −10° to +30° C.

2,455,206
TENSION SHOE MOUNTING FOR PROJECTORS
Emil J. Wienke, Glen Ellyn, Ill., assignor to Motiograph, Chicago, Ill., a limited partnership
Application February 15, 1946, Serial No. 647,938
4 Claims. (Cl. 88—17)



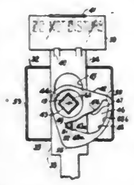
1. A film tension shoe mount for motion picture machines comprising a frame including a front face plate, a film tension shoe, cooperating members on the plate and shoe mounting the shoe on the plate for limited movement toward and away from the plate and limited movement of the shoe in a direction parallel to the plate, said members being separable when the shoe is moved parallel to the plate to a point near one limit of its movement parallel to the plate, and a spring pressed lock normally holding the shoe at its other limit of movement parallel to the plate.

2,455,207
INTERNAL-COMBUSTION HEATER WITH NOZZLE HEATING MEANS
Lynn A. Williams, Jr., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Original application November 6, 1943, Serial No. 509,161. Divided and this application December 20, 1945, Serial No. 636,208
5 Claims. (Cl. 158—28)



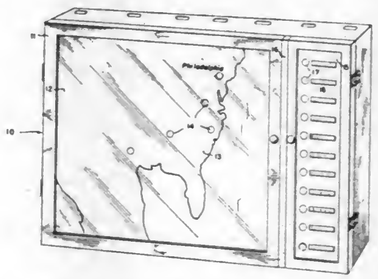
1. An internal combustion heater of the class described, comprising a perforated cone providing a combustion chamber, means for supplying combustion air to the exterior of said cone, a nozzle indirectly connected to said cone for supplying fuel to said combustion chamber, a first part of high heat conductivity interposed between said nozzle and cone and in heat conducting relation to the small end of said cone, a resistance igniter for heating said first part, said igniter being mounted in heat transmitting relation to said first part and having a portion positioned for igniting fuel supplied to said combustion chamber, and a second part of relatively low heat conductivity connecting said nozzle with said first part.

2,455,208
DOOR INDICATING DEVICE
Rudolph Wirth, New York, N. Y.
Application January 24, 1948, Serial No. 4,172
13 Claims. (Cl. 40—66)



1. In an indicating device for use with a door having a knob and a shaft connected thereto of the type where the knob and shaft are rotatable between an intermediate neutral position and two opposite extreme positions, the combination of a reciprocable bar movable between two limiting positions, a sign carried by the bar; a cam fixedly mounted on the shaft and containing one upper and one lower arcuate surface, said arcuate surfaces being at opposite sides of the cam and having their respective centers at the axis of rotation of the cam; an upper operative surface on the cam adjacent the upper arcuate surface and sloping downwardly and outwardly therefrom, a lower operative surface adjacent the lower arcuate surface and sloping upwardly and outwardly therefrom, said operative surfaces being at opposite sides of the cam; and a follower attached to the bar and engageable with said surfaces, the follower being engageable with the said upper operative cam surface when the knob is rotated from its neutral position to one of its extreme positions to operatively lower the bar, the follower being engageable with the said lower arcuate surface when the knob is returned to its neutral position to maintain the bar against movement, the follower being engageable with the lower operative surface when the knob is moved to the other of its extreme positions to operatively raise the bar, the follower being engageable with the upper arcuate surface when the knob is returned to its neutral position to maintain the bar against movement.

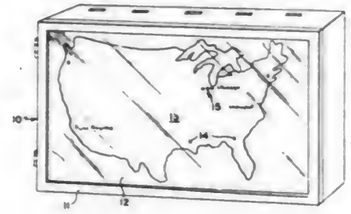
2,455,209
APPARATUS FOR DISSEMINATING WEATHER INFORMATION
Joseph B. Anderson, Washington, D. C.
Application May 26, 1947, Serial No. 750,617
2 Claims. (Cl. 177—311)



1. A weather map comprising a panel member having a map associated therewith, said panel having a plurality of areas located thereon per-

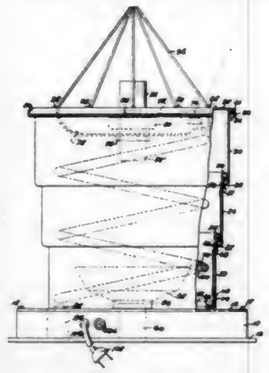
mitting vision therethrough and each designating a particular locality on the map; a plurality of weather indicating units mounted behind said panels, each of said weather indicating units positioned behind one of said areas designating a particular locality, each of said weather indicating units including a rotatably mounted weather ring having a plurality of weather indicating designations formed thereon, said designations being formed by dividing the circumferential surface of said ring into a plurality of frames, with each frame colored a color selected from a group of various colors, frames of the same color bearing different indicia, whereby the frames indicate particular states of weather and specific weather conditions; each of said weather rings being mounted in position behind its area, so that only one frame at a time registers with its area permitting its weather indication to be seen from the front of the panel; and separate operating mechanism for rotating each of said weather rings to bring any selected one of its frames into registry with its area and thereby show a particular state and specific condition of the weather of the locality behind which the weather ring is positioned.

2,455,210
APPARATUS FOR DISSEMINATING WEATHER INFORMATION
Joseph B. Anderson, Washington, D. C.
Application December 23, 1947, Serial No. 793,500
2 Claims. (Cl. 177—311)



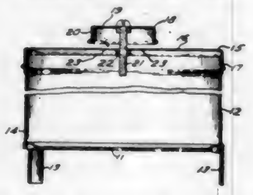
1. A weather map comprising a panel member having a map associated therewith, said panel member having a plurality of translucent areas thereon each designating a particular locality on the map; a plurality of weather indicating units mounted behind said panel, each of said units being positioned under one of said areas designating a particular locality, each of said units including a projector and two endless films each divided into a plurality of frames and so positioned that their frames when in position to be projected are superimposed, the frames of one of said films being colored, each frame of different coloring and the frames of the other film having different indicia formed thereon, the construction being such that the projected combined image of any one of the colored frames with any one of the indicia carrying frames designates a particular weather condition; each of said projectors being mounted in the rear of said panel in a position to permit the combined image of a superimposed pair of frames to be projected onto one of said translucent areas, whereby said projected image may be seen from the front of said panel; and separate means for moving each of said films in each of said indicator units to bring any selected pair of frames into superimposed position to have their combined images projected to show a particular weather condition of the particular area aligned with the projector.

2,455,211
WATER FOUNTAIN FOR POULTRY
Wesley G. Armstrong, Yardville, N. J.
Application March 1, 1946, Serial No. 651,217
5 Claims. (Cl. 119—73)



1. A device of the character described, comprising an adjustable body, a base for said body, a top for said body providing fountain means, means for supplying water to said fountain means, and means for disposing of overflow from said fountain means.

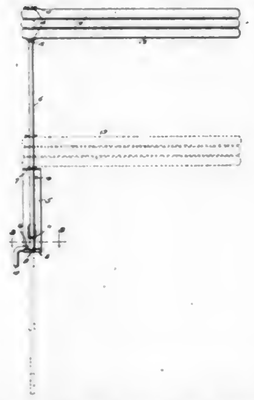
2,455,212
DISPENSER
William L. Baumner, Jr., Jenkintown, Pa.
Application April 11, 1945, Serial No. 587,732
4 Claims. (Cl. 206—0.5)



4. In a dispenser for soluble cleansing material, a container for the cleansing material, the lower portion of said container having a discharge opening for the delivery of solute material from the interior of said container, a closure for the top of said container, said closure having a horizontal surface portion provided with a plurality of openings for splash introduction of fluid solvent into the interior of said container, a cap member having a downwardly extending rim, said openings being within the confines of said rim, a stem on said cap member in threaded engagement with said closure for vertical adjustment of said cap member with respect to said horizontal surface portion and said openings.

2,455,213
TOWEL RACK
Thomas W. Bell, Washington, D. C.
Application October 29, 1945, Serial No. 625,209
2 Claims. (Cl. 211—103)

1. A towel rack comprising a bracket having upper and lower right-angled ends formed with openings, the opening in the lower right-angled end extending inwardly from the outer end thereof, an arm extending from the bracket and having an opening in alignment with the openings in the upper and lower right-angled ends of the bracket, a vertically movable rod mounted within the openings, a supporting arm pivotally mounted at the upper end of the rod, the lower end



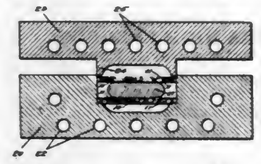
of the rod being extended at right angles with respect to the main portion of the rod providing a handle adapted to rest on the lower right-angled end of the bracket, supporting the rod in its uppermost position, and means for preventing accidental rotary movement of the rod.

2,455,214
METHOD FOR THE PRODUCTION OF SUCH GLUCOSIDES OF POLYOXY COMPOUNDS WITH CYCLOPENTANE - POLYHYDROPHENANTHRENE RING SYSTEM AS HAVE AT LEAST ONE FREE OXY GROUP IN THE STERINE SKELETON
Ingolf Bennekou, Frederiksberg, Denmark, assignor to Lovens kemiske Fabrik v/Aug. Kongsted, Copenhagen, Denmark
No Drawing. Application May 20, 1946, Serial No. 671,116. In Denmark May 29, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 29, 1961
3 Claims. (Cl. 260—210)

1. Method of simultaneously saponifying and reducing an acyl glucoside of an oxy-oxo cyclo pentane poly hydro-phenanthrene compound selected from the group consisting of the oestrane, androstane, pregnane series and their dehydrogenation products, comprising treating said compound with free alkali metal and alcohol.

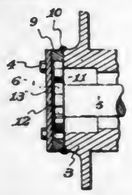
2,455,215
PROCESS OF MAKING MOLDED SCABBARDS
Edwin L. Beckwith, West Newton, and Charles P. MacIver, Stow, Mass., assignors to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Continuation of application Serial No. 413,948, October 7, 1941. This application October 9, 1947, Serial No. 778,930
3 Claims. (Cl. 154—110)

1. The process of molding scabbards from reinforced thermoplastic material, which includes the steps of assembling a pair of long narrow three-ply units, each comprising a fabric blank enclosed between two larger blanks of resinous thermoplastic sheet material which overlap each other along the side edges and beyond the end of the fabric blank, placing two of said units in spaced relation within a mold, molding the said units under heat and pressure upon a mandrel which terminates short of the end of the units, and thereby uniting the three-ply blanks and forming a rib of solid resinous plastic material about the side edges and closed end of the scab-



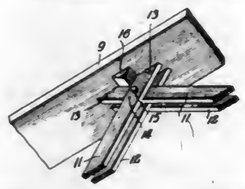
bard beyond the outline of the mandrel and extending outside the margins of the fabric embedded therein, and finally cooling the molded scabbard, thereby encasing the compressed fabric within a stiff shell of hardened thermoplastic material.

2,455,216
VEHICLE WHEEL MOUNTING
Ray E. Blanton, Tulsa, Okla.
Application December 4, 1945, Serial No. 632,650
3 Claims. (Cl. 287—53)



1. A driving connection between a wheel hub and a driven axle extending through the hub, said connection comprising a narrow splined member secured to the outer face of the hub, a narrow splined flange carried by the axle and interengaging the first mentioned splined member, said last named splined member being transversely rockable in the first mentioned splined member, a cover plate secured to the first mentioned splined member and a spring member interposed between the cover plate and the end of the axle.

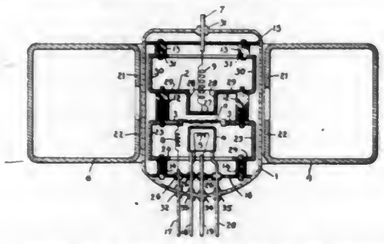
2,455,217
JOINTS OF HOLLOW BEAMS
Alberto Borges, Rio de Janeiro, Brazil
Application May 27, 1944, Serial No. 537,695
In Brazil August 20, 1943
3 Claims. (Cl. 20—0.5)



1. A beam comprising two spaced planks arranged parallel to each other and having a plurality of rhomboid-shaped openings therein, a plurality of pairs of cross members projecting in said openings and interconnecting the planks, said pairs of cross members being angularly arranged between the planks and crossing each other near each plank and forming a triangular

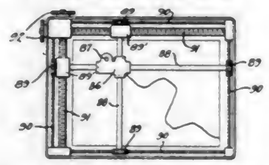
space between the crossing and the plank, and a pin passing through and connecting the cross members at each crossing, the planks being arranged so that the widths thereof are face to face in the beam.

2,455,218
ULTRA HIGH FREQUENCY TUBE
Richard S. Briggs, North Beverly, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application September 18, 1945, Serial No. 617,035
2 Claims. (Cl. 315—5)



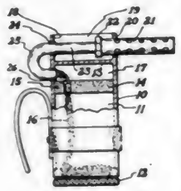
1. Ultra-high frequency apparatus including a vacuum tube comprising: a sealed cylindrical dielectric envelope; a cathode therein; a metal grid cup surrounding said cathode and having a central opening in register with said cathode; a grid over said central opening and in electrical connection with said grid cup, said grid cup having a cylindrical metal wall spaced from but close to and coaxial with said cylindrical envelope; a metal anode cup having a flat circular end close to said grid but spaced therefrom, a cylindrical portion extending from said flat circular end to an annular portion, and a cylindrical portion close to but spaced from said cylindrical envelope, all portions of said anode cup being in electrical connection with each other; and a toroidal metal cavity resonator coaxial with said envelope and having its inner wall cylindrical, with a cylindrical opening along the middle of said inner wall to divide the same into two opposite cylindrical walls close to but spaced from said cylindrical envelope, extending toward each other but having their edges spaced from each other, one of the cylindrical walls of said resonator being in register with the cylindrical metal wall of said grid cup and in capacitive relationship therewith and the other of said cylindrical walls of said resonator being in register with the cylindrical portion of said anode cup and in capacitive relationship therewith.

2,455,219
COMPASS FOLLOWER
Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application June 16, 1943, Serial No. 491,257
3 Claims. (Cl. 346—8)



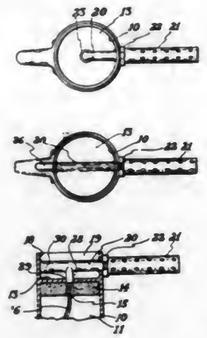
3. The combination with an odograph having a stylus and means for integrating the different directional components of the progressive movement of a vehicle to effect movement of said stylus and record the path of the vehicle, said integrating means comprising oppositely rotating cylinders having driven connection with the propeller shaft of the vehicle, said cylinders having circumferential series of longitudinal teeth of such graded lengths that an imaginary line traced through the ends of the teeth in the development of the cylindrical surface will give a sine curve, and axially reciprocating pinions meshing with said teeth; of means for accomplishing the axial reciprocation of said pinions at a uniform speed so that a pinion which at one end of its throw is located half way between the ends of two adjacent of said teeth will remain out of engagement with the shorter tooth for half the interval of time required for its travel back and forth between the end of one tooth and that next adjacent thereto comprising photo-electrically controlled motor-driven oscillatory hunting-type follower mechanism for magnetic compasses the motor of which has rotary driving connection with said follower mechanism, said rotary driving connection comprising movement transmission means having reversing means, said transmission having reciprocatory driving connection with said pinions, and electrically energized means controlled by said follower mechanism for operating said reversing means comprising two solenoids, said transmission comprising differential gearing having two oppositely rotating toothed controllable members and said reversing means comprising a lever opposite arms of which are adapted respectively to engage the teeth of one or alternatively the other of said controllable members and a second lever opposite arms of which have pivotal connection with the cores of said solenoids and one arm of which has operating connection with the first named lever.

2,455,220
BLAST TORCH
Samuel C. Brody, Newton, Mass.
Application May 29, 1947, Serial No. 751,344
15 Claims. (Cl. 158—35)



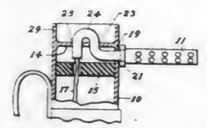
1. In a torch, a pressure generating unit comprising a casing formed to provide a fuel chamber having a top closure, a pressure generating tube lying in part at least above and extending transversely and in close proximity to and in heat exchange relationship with said closure and communicating at its gas intake end with the interior of the casing, and a perforated combustion burner assembled to the gas outlet end of said tube and lying in part at least above and extending transversely and in close proximity to and in direct heat exchange relationship with said closure, so that when the torch is operating heat from said burner is continuously conducted by said tube to the interior of said casing and direct heat exchange occurs between said burner and said closure thereby further heating the casing and volatilizing the fuel therein.

2,455,221
BLAST TORCH
Samuel C. Brody, Newton, Mass.
Application May 29, 1947, Serial No. 751,345
14 Claims. (Cl. 158—35)



5. In a torch, a pressure generating unit comprising a casing formed to provide a fuel chamber having a closure at its upper end, the casing wall being extended at its upper end to form a heating chamber disposed above and in close proximity to said closure, a pressure generating tube lying in part at least within said heating chamber above and in close proximity to said closure and in heat exchange relationship therewith and communicating at its gas intake end with said fuel chamber, and a perforated combustion burner assembled to the gas outlet end of said tube with its gas inlet end in contact with the extended portion of the casing wall so that when the torch is operating heat from said burner is continuously conducted by said tube and by said closure to the interior of said casing and direct heat exchange occurs between said burner and said casing wall.

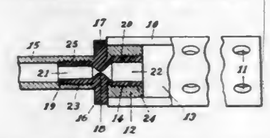
2,455,222
BLAST TORCH
Samuel C. Brody, Newton, Mass.
Application July 23, 1947, Serial No. 762,969
6 Claims. (Cl. 158—33)



1. In a torch, a pressure generating unit comprising a casing having a side wall and formed to provide a fuel chamber provided with a closure at its upper end, a barrier within said casing and spaced from said closure to provide a gas chamber, a pressure generating tube extending transversely of the casing and lying in part at least within said gas chamber in close proximity to and in heat exchange relationship with said closure and said barrier, said tube having its gas inlet end disposed within said gas chamber and having its gas outlet end extending through the side wall of said casing, and a combustion burner assembled to the gas outlet end of said tube so that when the torch is operating heat from said burner is conducted by said tube to the interior of the casing to heat said closure and barrier and direct heat exchange occurs between said tube and the side wall of the casing.

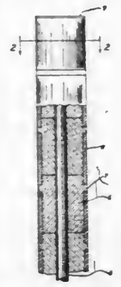
5. The torch of claim 1 in which the gas intake end of the combustion burner is in contact with the side wall of the casing and the gas inlet end of the pressure generating tube extends outwardly through the casing wall at a point substantially opposite the burner, then extends externally of the casing to provide an exposed priming area, and then re-enters the casing wall above said barrier to communicate with said gas chamber.

2,455,223
BLAST TORCH PERFORATED COMBUSTION BURNER
Samuel C. Brody, Newton, Mass.
Application July 23, 1947, Serial No. 762,970
2 Claims. (Cl. 158—33)



1. In combination, a pressure generating unit, a perforated combustion burner, and a jet unit for coupling the discharge end of said pressure generating unit to the gas intake end of said burner, said burner having within its gas intake end an elongated tubular heat conducting portion of substantial thickness as compared with the thickness of the burner wall and said heat conducting portion having a transverse end face disposed substantially flush with the transverse end face of the gas intake end of the burner and also having an axial opening of relatively small diameter as compared with the diameter of its transverse end face, and said jet unit having a sealing collar one face of which abuts the outer end face of the pressure generating unit and the opposite face of which abuts the transverse end face of said heat conducting portion of the burner to seal the same against pressure leakage and to provide a continuous unbroken heat path to the pressure generating unit.

2,455,224
ANTENNA
Louise Buchwalter, Hallsville, Ohio, and George G. Harvey, Boston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application June 16, 1944, Serial No. 540,571
2 Claims. (Cl. 250—33.53)



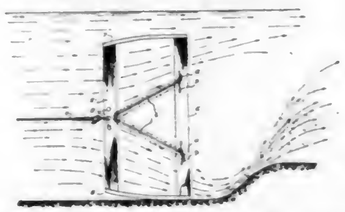
1. An antenna array comprising a coaxial cable adapted to be fed with high frequency electromagnetic waves, said cable having an inner conductor and a spaced outer conductor, a dielectric within the space between inner and outer con-

ductors, said outer conductor comprising a plurality of spaced and aligned individual metallic sections, said dielectric having uniformly spaced annular flanges on the surface thereof, said flanges cooperating to provide predetermined spacing between adjacent outer conductor sections, corresponding points on adjacent flanges being spaced a distance corresponding generally to the wave length of the conducted waves so that radiations therefrom are in phase.

2,455,225
METHOD OF MAKING STYRENE RESIN
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania
No Drawing. Application August 15, 1944, Serial No. 549,636
2 Claims. (Cl. 260—91)

1. The method of making thermoplastic styrene resin insoluble in aliphatic hydrocarbon solvents and soluble in aromatic hydrocarbon solvents by bringing finely divided weakly acid catalyst clay which is fuller's earth having a pH of about 6 and which has been dried at a temperature within the range of 200° C. to 250° C. for a period of five minutes into reactive contact with a styrene liquid having a concentration of above 80% monomeric styrene in a single reaction stage and at a temperature below the boiling point of the monomeric styrene in the proportion of 1% to 30% clay to styrene to form resin polymers of styrene, and separating the resin polymers so formed from the said catalyst clay.

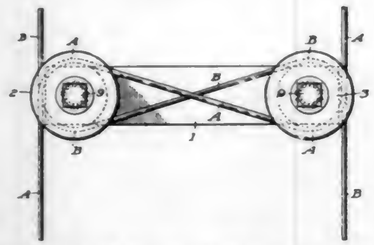
2,455,226
VACUUM SCUFFLER
Harold Cartmell and Cecil Carey, Chilliwack, British Columbia, Canada
Application April 13, 1945, Serial No. 588,190
7 Claims. (Cl. 61—5)



1. A dredging device adapted to be submerged in a body of water in the path of its current comprising a frame composed of upright rectangular end members disposed in spaced relation parallel to the flow of current, a pair of vertically spaced deflector blades extending longitudinally between and connected to said end members, said blades being inclined transversely in opposite directions with their converging edges facing the flow of the current.

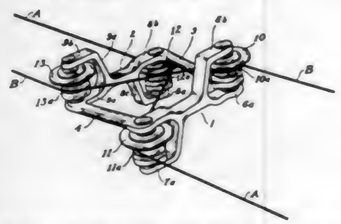
2,455,227
WIRE TRANSPOSING DEVICE
Rogers Case, Orange, N. J., assignor to Transadean Associates, Inc., New York, N. Y., a corporation of Delaware
Application April 6, 1944, Serial No. 529,806
2 Claims. (Cl. 174—33)

1. A wire-transposing and wire-spacing bracket for paired line wires comprising a free rigid base, and two identical wire-contacting and wire-training double-groove spool-form insulators rotatably mounted in longitudinally spaced alignment on the said base, the greatest distance between surfaces of the said two insulators at the bases of the grooves therein being conformed to the normal spacing of the paired line wires and the diameter of the insulators at the bases of the said grooves being substantial to give an angularly



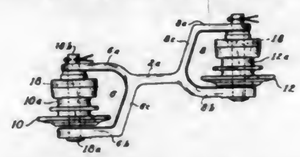
extended crossed position between the insulators to the two line wires trained each on opposed surfaces in aligned grooves of the said two insulators, the angularity of the crossed wires to the parallel reaches of the line defined by the groove diameter of the said insulators being sufficient for adjustment of the bracket along the line by rotation of the said insulators.

2,455,228
TRANSPOSITION BRACKET
Rogers Case, Orange, N. J., assignor to Transadean Associates, Inc., New York, N. Y., a corporation of Delaware
Application March 14, 1947, Serial No. 734,815
4 Claims. (Cl. 174—147)



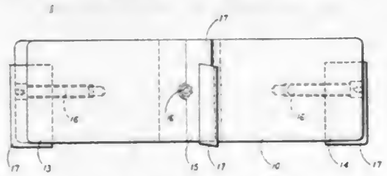
1. A wire-transposing bracket adapted for lateral insertion in a span of paired wires comprising a frame integrally cast from a "light" metal selected from the group consisting of magnesium, aluminum and their alloys and having two approximately parallel reaches terminally forked to provide in each such reach outwardly open insulator-mounting clevises oppositely offset from a median base plane, diagonally opposed clevises being similarly offset, two connecting reaches extended between the said terminally forked reaches with the ends of each connecting reach blended respectively with the upper fork of a clevis of one end reach and with the lower fork of a clevis of the other end reach, and spool-form insulators having circumferential wire-receiving grooves mounted in said clevises in diagonally aligned pairs both insulators of which have a common spacing from the median base plane of the frame, the lower fork of each upwardly offset clevis being downwardly deflected and the upper fork of each downwardly offset clevis being upwardly deflected to modify the spacing between the wire-receiving grooves of the two said diagonally aligned pairs of insulators.

2,455,229
TRANSPOSITION BRACKET
Rogers Case, Orange, N. J., assignor to Transadean Associates, Inc., New York, N. Y., a corporation of Delaware
Application March 14, 1947, Serial No. 734,816
8 Claims. (Cl. 174—33)



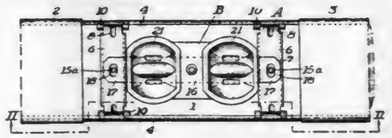
1. A wire-transposing bracket for fixed mounting on a supporting structure comprising a frame integrally cast from a "light" metal selected from the group consisting of magnesium, aluminum, and their alloys and having two transverse reaches with lower regions providing a base for engagement with the supporting structure and two legs of unequal length and included in the lower forks of four clevises, the longer and shorter legs of the two transverse reaches being staggered relatively in the frame structure, two reaches extended between the said transverse reaches and terminally forked at both ends of each with each lower fork blended with an upwardly extended leg of a transverse reach and with their upper forks arranged in vertical alignment with the said lower forks, to provide four outwardly open insulator-mounting clevises in diagonal pairs with the clevises of one diagonal pair at a different level than the clevises of the other diagonal pair, and spool-form insulators rotatably mounted in said clevises with the wire-receiving grooves of one diagonal pair at a different level than the wire-receiving grooves of the other diagonal pair for the relative spacing of wires trained respectively on the said diagonally arranged pairs of insulators and crossed within the bounds of the frame.

2,455,230
MILLING TOOL
Louis F. Catlin, Sr., Raymond Rourke, and Louis F. Catlin, Jr., Shelton, Conn., assignors to Apex Tool & Cutter Company, Shelton, Conn., a corporation of Connecticut
Application June 13, 1946, Serial No. 676,462
4 Claims. (Cl. 29—105)



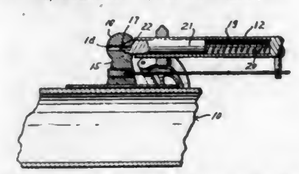
1. A cutting tool comprising, in combination, a body having blade recesses opening outwardly, tool bits each comprising a block of cutting material disposed in each of said recesses with one side and one end projecting therefrom, cutting edges formed along the leading edges of said side and end, a bit retaining wedge mounted in each recess, each wedge including a side shoulder having a face inclined with respect to an axially transverse plane passing through said body and engaging said bit on the side opposite said side cutting edge.

2,455,231
ELECTRICAL RACEWAY
Martin M. Clayton, Enon Valley, Pa., assignor to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Delaware
Application August 17, 1945, Serial No. 610,977
4 Claims. (Cl. 174—101)



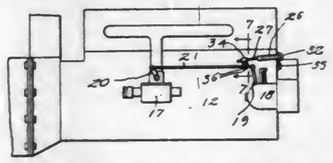
1. In an electrical raceway the combination of a channel member having yielding sidewalls provided adjacent their upper ends with outwardly bowed regions, a relatively rigid bridge structure comprising a transverse spreader member spanning across the channel within the said channel member at the outwardly bowed regions thereof and hooked ears projecting outwardly from the ends of said spreader member and interlockingly engaged with the said outwardly bowed regions in the sidewalls of the channel member, a cover structure having side members arranged embracingly and resiliently to engage the said channel member at the regions thereof inwardly supported by said bridge, and an electrical device supportingly engaged by said bridge.

2,455,232
SAXOPHONE KEY MOUNTING
Floyd E. Comer, Bristol, Ind., assignor to Buescher Band Instrument Co., Elkhart, Ind.
Application June 17, 1946, Serial No. 677,126
4 Claims. (Cl. 84—385)



1. In a key mounting of the kind described, a hinge rod, said rod formed with a concentric bore at each end thereof, a spring in each of said bores and pins slidable in each of said bores, said pins formed with a flat inner end and a rounded outer end and each of said pins formed with longitudinal bore extending inwardly from the tip of said rounded end concentric to said pin and the bore of said hinge rod.

2,455,233
AUTOMATIC THROTTLE CONTROL
Shirley Clyde Copeland, Mansfield, Tex., assignor of one-half to Earl C. Porter, Dallas, Tex.
Application August 7, 1946, Serial No. 689,005
1 Claim. (Cl. 192—.01)



In an auxiliary throttle actuator for internal combustion engined vehicles, a linkage adapted

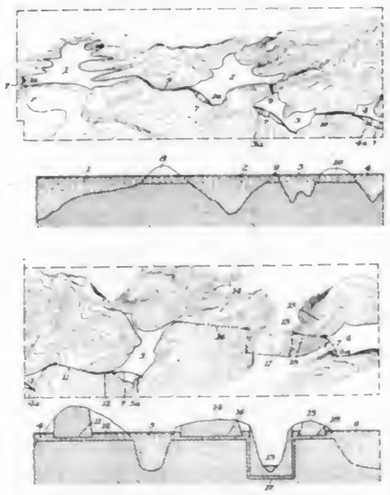
to be connected at one end thereof to the fuel control valve of the carburetor of an engine and adapted to be connected at its opposite end to the engine clutch, said linkage being constructed and arranged to actuate the fuel control valve to decelerate the engine when the clutch is moved to a released position and to accelerate the engine as the clutch is moved toward an engaged position, said linkage including a flexible tubular conduit and a flexible shaft reciprocally disposed therein and forming the connection between the fuel valve of the carburetor and the vehicle clutch, a clamp connected to the flexible shaft and having depending oppositely directed hook portions disposed in spaced-apart relationship and adapted to releasably engage the actuating rod of the fuel valve to move the rod in one direction and to permit the rod to move relatively thereto in either direction.

2,455,234

METHOD OF CONSERVING AND DELIVERING WATER

Cyril C. Crick, Pittsburgh, Pa.

Application January 15, 1946, Serial No. 641,230
16 Claims. (Cl. 61—1)



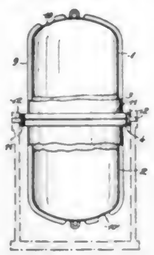
16. The method of normalizing retention and delivery of water in and from a source district containing a multiplicity of branching watercourses over long periods of varying volume and distribution of rainfall, which comprises including in an interlocked basin system watercourses of such district in such number and distribution as to provide a collection area so widespread as to receive in some localities of its extent substantial increments of rainfall not concurrently received in other localities thereof and having a great total retention capacity and utilizing said total retention capacity under such variant rainfall, by damming the said included watercourses to a height to permit bodies of water impounded therein to lie at a common surface level and distributing subtractions from and additions to any of the said impounded bodies of water to all thereof by interchanging flow between the said bodies, conveying water impounded in the basin system so created by extension and without substantial loss of gravity head to a point adapted by substantial abrupt declivity to generation of energy from delivery of water, and at such point delivering water so conveyed with abrupt loss of gravity head in the generation of hydro-electric power.

2,455,235

PROCESS AND APPARATUS FOR TREATING MILK, BLOOD, AND OTHER GLOBULAR LIQUIDS

Silvio Benigno Crespi, Milan, Italy; vested in the Attorney General of the United States

Application January 30, 1941, Serial No. 376,698
In Italy December 23, 1939
Sections 3 and 14, Public Law 690, August 8, 1946
Patent expires December 23, 1959
7 Claims. (Cl. 99—213)



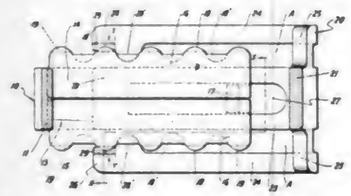
5. A process for treating liquids carrying globular bodies of the group consisting of milk and blood contained in two adjoining confined zones connected with each other by numerous narrow elongated channels, said zones being so positioned that they rotate together and when in a vertical position are located one above the other, when thus positioned filling completely the lower zone and partially the upper zone, with heated liquid, forcing under pressure a gas into the space above the liquid level, slowly rotating the joined zones through a vertical plane whereby the upper zone becomes the lower and vice versa, thereby due to gravity, the gas passes upward through the channels compressing the globules both breaking them up and purifying the liquid, repeating the rotation once or twice every twenty-four hours.

2,455,236

CLASP

Samuel Darvie, Irving Darvie, and Samuel Pearlman, New York, N. Y.

Application September 19, 1946, Serial No. 697,984
12 Claims. (Cl. 24—206)



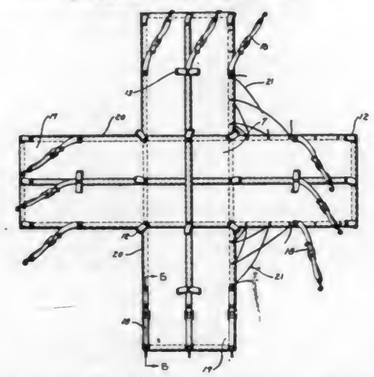
1. A clasp for an article comprising a socket member having a strip secured at one end to the said article and a socket portion at the other end of the said strip, said socket portion having wide top and bottom panels and narrow side panels, serrations formed exteriorly in the said side panels, a slide member having a strip cooperative with the said strip of the socket member for attaching the said article and a strip slidably received within the said socket portion of the socket member, said slide strip having an elongated slot, a lug tongued out of said bottom panel of the socket portion and received in said slot, said slide member having a pair of fingers one on each side of the said serrated side panels of the socket portion and provided at their distal end portions with inwardly-directed, curved protuberances cooperative with the said serrations to maintain the said slide member in adjusted position relative to said socket member.

2,455,237

CARGO BLANKET

Frank L. Davis, College Point, N. Y.

Application October 29, 1946, Serial No. 706,316
5 Claims. (Cl. 248—361)



1. A cargo blanket comprising a section of cargo holding fabric having fold down extensions at the sides of the same and provided with means for tensioning said extensions downwardly in cargo confining relation.

2,455,238

MANUFACTURE OF HYDROGEN PEROXIDE

Lynn H. Dawsey and Robert R. Umhoefer, Kenmore, and Carl R. Muehlhausser, Tonawanda, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.

No Drawing. Application October 15, 1946, Serial No. 703,286
8 Claims. (Cl. 23—207)

1. In the production of hydrogen peroxide by first hydrogenating an alkylated anthraquinone and then oxidizing the resulting hydroquinones with the formation of hydrogen peroxide and regeneration of the quinones, the improvement which comprises employing dibutyl sebacate as a solvent in which to carry out the reactions.

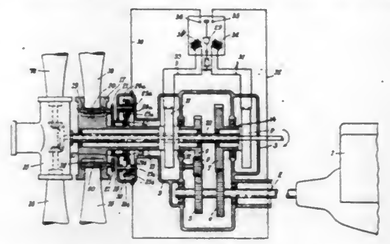
2,455,239

DEVICE FOR REGULATING THE PITCH OF TWO COUNTERROTATING COAXIAL PROPELLERS

Robert Doussain, Villerubane, France

Application March 8, 1946, Serial No. 653,197
In France March 27, 1942
2 Claims. (Cl. 170—135.6)

1. In a system for regulating automatically the pitch of one of two co-axial propellers coupled mechanically so as to rotate in opposite directions, a drive shaft, an electrical differential relay, a first driven propeller shaft driven through the intermediate of an elastic device acting on said differential relay, a second propeller shaft driven through the intermediate of a second elastic device acting on said differential relay, a pitch control device for one of said propellers, an electromagnetic clutch arrangement provided between said pitch control device and one of said propeller shafts and controlled by said differential relay, said pitch control device being regulated by the deformations of said elastic devices by means



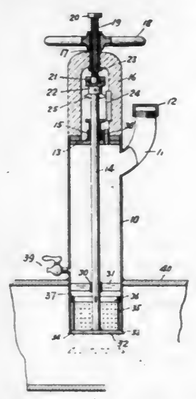
of said differential relay in function of the transmitted torque, and a further pitch control device for the other propeller regulated in an independent way, so that when the pitch of the last-mentioned propeller is varied, the pitch of the first-mentioned propeller varies accordingly and automatically in such a manner that the torques absorbed by the two propellers remain always equal.

2,455,240

FEED VALVE

Raymond R. Dupler, Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application February 25, 1946, Serial No. 650,097
3 Claims. (Cl. 210—36)



1. A dispensing device for supplying solid material to a body of liquid in a vessel comprising a housing having an open end in communication with said vessel and permitting access to the body of liquid therein, a shaft within said housing, means to move the shaft axially of the housing and a container for material to be discharged affixed to said shaft so as to contact the liquid body on the axial movement thereof, said container comprising a perforated side wall and a solid plate forming the bottom in support of said wall, said plate providing a valve member for closing said housing on removal of the container from contact with said liquid.

2,455,241

MANUFACTURE OF ETHYLHEXOIC ACID

Bruce Duval and Karl Heinrich Walter Tuerck, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland, a company of Great Britain

No Drawing. Application October 23, 1946, Serial No. 705,234. In Great Britain October 26, 1945

3 Claims. (Cl. 260—530)

1. A process for the manufacture of permanently colourless alpha-ethyl-hexoic acid which comprises partially hydrogenating alpha-ethyl-beta-propyl-acrolein to produce a mixture of alpha-ethyl hexaldehyde and unchanged alpha-ethyl-beta-propyl-acrolein, and treating said mixture with molecular oxygen, characterized in the steps of separating, by fractional distillation from the reaction mixture, an alpha-ethyl hexoic acid fraction free from both alpha-ethyl-beta-propyl acrolein and alpha-ethyl-beta-propyl acrylic acid but containing traces of heptan-3-4-dione and removing said diketone from said fraction.

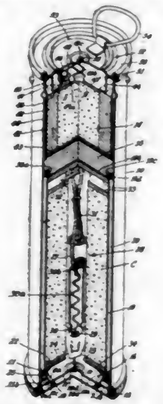
2,455,242

EMERGENCY DAY AND NIGHT SIGNALING DEVICE

Martin Dwyer, Hewlett Harbor, Long Island, N. Y.

Application July 21, 1945, Serial No. 606,312

8 Claims. (Cl. 102—37.8)



1. In a device of the character described, an outer container, an inner imperforate container for smoke-producing compound or the like, means for exposing and simultaneously igniting the smoke-producing compound through one end of said outer container, a second imperforate inner container within said outer container for flare-producing compound, means for heat insulating the contents of the two inner containers from each other, and means for exposing and simultaneously igniting said flare-producing compound through the other end of said outer container.

2,455,243

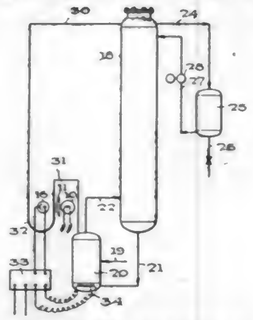
APPARATUS FOR AUTOMATIC CONTROL OF HEAT INPUT TO STILLPOTS

Edward H. Epprecht, Cheswick, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application July 2, 1945, Serial No. 602,895

5 Claims. (Cl. 202—160)

3. An apparatus for the gradual automatic control of the heating current of a stillpot comprising a manometer containing an opaque liquid actuated by the differential pressure between the stillpot and the top of the still column, a light source and a photoelectric cell arranged on opposite sides of said manometer, means for projecting the light from said light source through a substantial longitudinal portion of the manometer



and thence onto said photoelectric cell, said opaque liquid being positioned so as to gradually limit the amount of light passing through the manometer in accordance with the differential pressure between the stillpot and the top of the column, and means for gradually varying the heating current in the stillpot in accordance with variations in current from said photoelectric cell.

2,455,244

STUD FOR WELDING

Charles S. Evans, Atherton, Calif., assignor, by mesne assignments, to Morton Gregory Corporation, a corporation of Michigan

Application April 4, 1944, Serial No. 529,543

5 Claims. (Cl. 287—20.2)



1. A stud for welding comprising a rod having on the welding end a plurality of tabs converging together to provide a chamber, and a welding flux in the chamber.

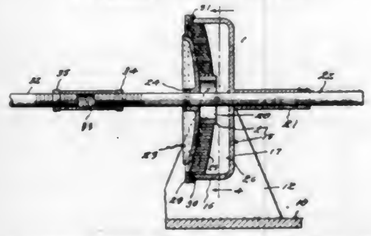
2,455,245

EXPANSIBLE CHAMBER MOTOR WITH VALVED FLEXIBLE PISTON

Louis Francis, Union City, N. J.

Application May 31, 1944, Serial No. 538,139

8 Claims. (Cl. 121—123)



1. A power device comprising a pressure chamber, a distortable wall at one side of said chamber having a central opening, an axial guide extending oppositely of said wall, a rod slidably engaging said guide and extending through said opening, a power head carried by said rod engageable against said wall and movable away from said wall by pressure passing through said opening, and means for moving said head toward said wall.

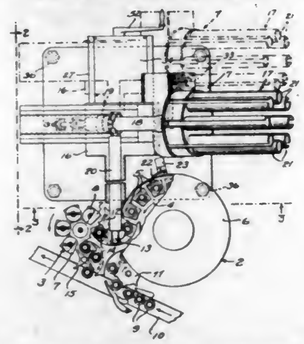
2,455,246

CAP APPLYING MACHINE

Carl W. Goodwin, Plainfield, N. J., and Harold W. Martin, Malverne, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware

Application May 15, 1946, Serial No. 669,932

1 Claim. (Cl. 226—88.1)



A bottle capping machine comprising a base, a vertical bore in said base, a tube slidably keyed in said bore, a gear case secured to the upper end of said tube, a plate slidably mounted on said gear case, a cooperating rack and pinion for moving said plate back and forth on said gear case, a cap dispensing and conditioning mechanism carried by said plate, a screw shaft rotatably supported in the upper end of said tube with the upper end thereof extending into said gear case, a nut through which said screw shaft extends rigidly secured to said base within said bore, a bevel gear keyed to the upper end of said screw shaft, a cooperating gear keyed to a shaft rotatably mounted in said gear case and meshing with said bevel gear, and means for rotating said shaft to raise and lower said tube within said bore.

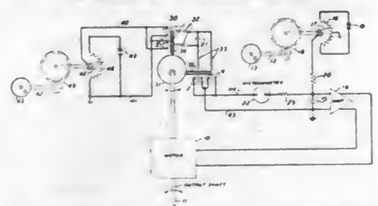
2,455,247

ELECTRIC MOTOR CONTROL APPARATUS

Raymond H. Griest, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 12, 1945, Serial No. 598,997

3 Claims. (Cl. 318—309)



1. In combination, a motor, a first condenser of relatively large capacity, means responsive to the charge on said first condenser for controlling the energization of said motor to control its speed in accordance with the voltage across said first condenser and to control its direction of rotation in accordance with the polarity of the voltage across said first condenser, means for charging said first condenser comprising in series with said condenser a resistance means and a source of voltage the polarity and magnitude of which may be changed, a second condenser of relatively small capacity, means under control of said motor for alternately charging said second condenser and for discharging said second condenser during intervals separating successive charging periods through a circuit comprising said first condenser, the alternate charging and discharging of said second condenser being at a rate proportional to the speed of said motor, the voltages of said first and second condenser being in aiding relationship to cause the charge on said first condenser to decrease during said discharging intervals of said second condenser, thereby causing the motor to run in a direction determined by the polarity of the voltage of said source at a speed proportional to the magnitude of the voltage of said source.

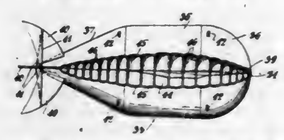
2,455,248

BALLOON

John A. Hagen, Glen Rock, Laurence Prendergast, Passaic, and Edmund L. Gregor, Ramsey, N. J., assignors to Molded Latex Products, Inc., Passaic, N. J., a corporation of New Jersey

Application October 25, 1944, Serial No. 560,240

3 Claims. (Cl. 244—31)



1. A balloon comprising an elongated casing of flexible material having a hemispherical head portion, a cone-shaped tail portion and a cylindrically-shaped intermediate portion, an elongated bladder of elastic material in said casing, discs of rigid material having longitudinally curved flanges projecting inwardly into said bladder at the ends thereof and held in place by cords wrapped around the outside of the ends of said bladder end hermetically binding the ends of said bladder to said flanges.

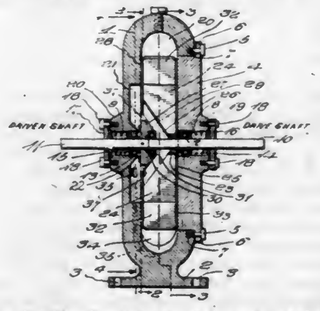
2,455,249

ROTARY HYDRAULIC COUPLING WITH AUTOMATIC SPEED CONTROL

Lawrence F. Haller, San Antonio, Tex.

Application March 26, 1945, Serial No. 584,765

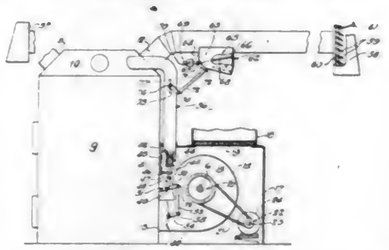
3 Claims. (Cl. 60—54)



3. In a hydraulic transmission, a casing having a main chamber and an auxiliary chamber,

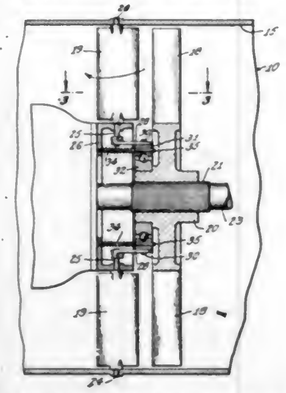
a driving impeller and a driven rotor in said main chamber, a plate carried by said rotor separating said chambers from each other and formed with openings for flow of liquid from the auxiliary chamber into the main chamber, said casing formed with a passage for return of liquid from the main chamber into the auxiliary chamber, governor arms pivoted to the rotor and movable by centrifugal force into position for blocking said openings.

2,455,250
HEATING SYSTEM
William W. Hallinan, Racine, Wis.
Application March 1, 1946, Serial No. 651,177
5 Claims. (Cl. 237—2)



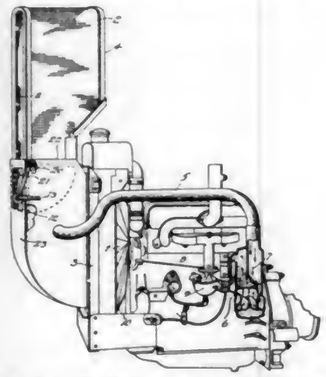
1. In a heating system, the combination with a hot air furnace having a furnace housing for circulation of air to be heated by the furnace, said housing having a cold air inlet, a blower connected to said inlet, and a substantially constant speed motor for driving said blower, said housing also having a plurality of outlets and conduits leading to the various rooms to be heated, each of said rooms being provided with adjustable register openings and conduits of suitable proportion to the size of the room, whereby at the full register opening and full air circulation by the blower, each room receives a predetermined amount of heat, a damper located to throttle the supply of air by the blower to the furnace housing, and a thermostat for controlling said damper, said thermostat being connected to the damper in such manner that an increase in temperature of the thermostat, resulting in its expansion, tends to open the damper, and contraction of the thermostat, due to lack of heat and reduced temperature of the thermostat, tends to close the damper, a conduit leading from a point in the housing and conduit system, which is filled with hot air, for conducting hot air to the space surrounding the thermostat, and a pressure responsive flap pivotally mounted on one of the hot air conduits of the system, and forming a movable wall which moves responsive to pressure of the hot air in the system, said flap being mechanically connected to a damper located in the latter conduit between the thermostat and the source of hot air, the said flap being so connected to said latter damper that upon closing of a register in a room, the increase in pressure near the hot air end of the system causes the flap to move to effect a partial closure of said damper, said partial closure throttling the hot air, which influences the temperature of the thermostat, and the relative cooling of the thermostat effecting a partial closure of the damper throttling the cold air inlet, to reduce the total volume of air circulated through the system responsive to the closure of a register, so that the hot air supplied will still be in suitable volume for the remaining registers.

2,455,251
CONSTANT THRUST FAN
Donald S. Hersey, East Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 16, 1945, Serial No. 622,507
9 Claims. (Cl. 230—114)



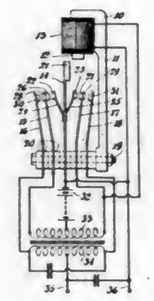
8. Axial flow fan apparatus, comprising means defining a passageway through which a gaseous fluid may pass, a driving shaft, a rotary fan having constant pitch blades arranged in said passageway for controlling and boosting gaseous flow therethrough, said fan being mounted on said shaft and being constrained to rotate therewith but being movable longitudinally on said shaft, means for varying the relative velocity and direction of the air stream flowing through said passageway comprising a plurality of adjustable contravanes, means for biasing the adjustment of said contravanes, and means responsive to movement of said fan longitudinally of said shaft in response to variation in the thrust of said fan for adjusting said contravanes.

2,455,252
AIR CLEANING DEVICE FOR MOTOR VEHICLES
Sherman C. Heth, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application December 8, 1945, Serial No. 633,717
7 Claims. (Cl. 123—119)



1. In a motor vehicle including an internal combustion engine, a carburetor, an air filter for said carburetor and an engine radiator, the combination comprising a fan for causing cooling air to flow through said radiator, a chaff screen for screening the cooling air flowing to said radiator, an air conduit leading to said air filter having an entrance opening in the path of the screened flow of air caused by said fan, and means for confining and directing said flow of air to insure that all the air entering said conduit has been screened, said chaff screen having a mesh small enough to prevent chaff from reaching said air filter.

2,455,253
VIBRATOR AND CIRCUIT THEREFOR
Clarence Huetten, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application April 20, 1943, Serial No. 483,714
17 Claims. (Cl. 200—90)



1. A vibratory interrupter comprising a reed, means for vibrating said reed, projections secured to the opposite faces of said reed, and spring arms mounted in spaced relation to opposite faces of said reed and carrying contacts on their free ends, the ends of a first pair of said spring arms being in co-operative spaced relation to said reed projections to be periodically engaged thereby during vibration of said reed, a second pair of spring arms having contacts thereon, in spaced co-operative relation to contacts on said first pair of arms to be alternately engaged thereby when said first arms are alternately sprung outward by said reed during its vibration.

2,455,254
ANTIOXIDANTS
Charles I. Jarowski, Springfield, and Eric T. Stiller, Philadelphia, Pa., assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 22, 1946, Serial No. 692,368
6 Claims. (Cl. 260—398.5)

1. A composition of matter comprising an oleaginous material normally subject to oxidative changes and a polyphenolic antioxidant containing a chain of five carbon atoms connecting two hydroxy phenyl radicals, said hydroxy phenyl radicals having an ether selected from the group consisting of alkyl, aryl and aralkyl ethers in a position ortho to the phenolic hydroxyl group, said chain having connected to the carbon in the 3-position a member selected from the group consisting of oxygen and hydroxy group.

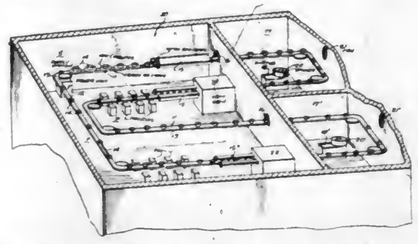
2,455,255
PROCESS OF PREPARING AN ANTIOXIDANT FROM RICE BRAN
Charles I. Jarowski, Springfield, Eric T. Stiller, Philadelphia, and Martin B. Williamson, Lansdowne, Pa., assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 24, 1946, Serial No. 692,928
6 Claims. (Cl. 252—398)

1. The process of preparing an antioxidant from rice bran, consisting essentially of defatting the rice bran with a solvent of the group consisting of hydrocarbons and chlorinated hydrocarbons, extracting the defatted material with a water-soluble, lower aliphatic solvent having 1 to 6 carbon atoms in the molecule, alkalizing the extract obtained by the addition to said extract of an alkaline compound of the group consisting of alkali metal and alkaline earth metal compounds, separating the antioxidant salts formed, acidifying to an acid reaction, extracting the acidified liquid with a water-immiscible organic solvent in which said antioxidant is soluble, and removing the solvent from the extract to obtain the desired antioxidant in a substantially pure form.

2,455,256
ANTIOXIDANT
Charles I. Jarowski, Springfield, Pa., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 24, 1946, Serial No. 692,929
5 Claims. (Cl. 260—398.5)

1. A composition of matter comprising a material normally subject to oxidative changes containing a minor proportion, effective as an antioxidant, of diisoeugenol.

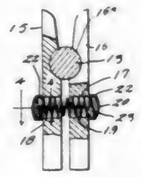
2,455,257
PLANT FOR THE RAPID MANUFACTURE OF STRAW HATS
Oliver Kohler and William Rieder, Lebanon, Ill.; said Kohler assignor to Harris Langenberg Hat Co., St. Louis, Mo., a corporation of Missouri
Application July 16, 1946, Serial No. 684,014
1 Claim. (Cl. 223—7)



A plant for the rapid manufacture of straw hats comprising a primary room and a pair of secondary rooms, each of said secondary rooms having a common wall with said primary room, an assembly line comprising a hat conveyer system extending from said primary room through an opening in its common wall to the first of said secondary rooms, back through another opening in said same common wall to said primary room, then through an opening in its common wall to the second of said secondary rooms and then back through another opening in said last mentioned common wall to said primary room, said hat conveyer system assembly line including a plurality

of hat heat drying stations, each drying station being adjacent one of said openings, a plurality of presser stations located in said primary room and hat lacquering stations located in said secondary rooms, and exhaust means leading outwardly through a wall of each of said secondary rooms, whereby each said exhaust means serves to exhaust heated air from said primary room along said hat conveyer system through said hat drying stations and said common wall openings to said secondary rooms and thence outwardly.

2,455,258
GARMENT HANGER
Benjamin Levitin, Roselle, N. J.
Application December 17, 1945, Serial No. 635,493
2 Claims. (Cl. 24—254)



2. A spring clip comprising a pair of jaw members, disposed in confronting relation, a fulcrum member between said jaw members spaced from one end thereof disposing said jaw members in spaced relation, a jaw tensioning spring engaging through said jaw members spaced from said fulcrum, and a spring tensioning member threadably engaging said spring and abutting said jaw members for placing said spring under a predetermined tension.

2,455,259
2-METHYL -3- HYDROXY -4- HYDROXY-METHYL PYRIDINE AND ITS ACID SALTS
Gustav J. Martin, Philadelphia, and Souren Avakian, Oreland, Pa., assignors to The National Drug Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 28, 1947, Serial No. 744,520
3 Claims. (Cl. 260—297)

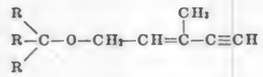
1. A compound of the group consisting of 2-methyl-3-hydroxy-4-hydroxymethyl pyridine and its acid salts.

2,455,260
REGENERATION OF ACTIVATED CARBON BY INORGANIC LIQUID TREATMENT
Gerhard Jan Meerdink, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application January 27, 1947, Serial No. 724,713. In Germany February 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 16, 1964
2 Claims. (Cl. 252—412)

1. A process for the regeneration of activated carbon which has been contaminated with sulphur and sulphuric acid resulting from gaseous by-products incident to the manufacture of viscose rayon which consists essentially of washing the carbon with a warm aqueous bicarbonate solution to remove the sulphuric acid, rinsing the carbon at least twice in an aqueous sodium sulphite solution maintained at a temperature of about 80° C. in order to transform the sulphur into sodium thiosulphate, washing the carbon alternately with hot and cold water, and steaming, drying and cooling whereby the regeneration of the carbon is completed.

2,455,261
ETHERS OF 5-HYDROXY, 3-METHYL, PENTA-3-EN-YNE-1
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 5, 1946, Serial No. 695,057
4 Claims. (Cl. 260—611)

1. As a new product a compound of the formula

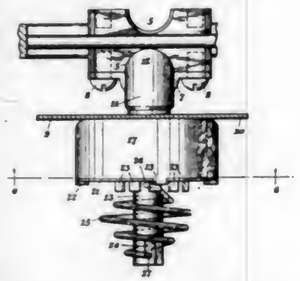


in which



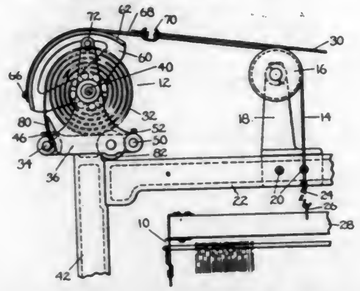
represents a member of the group consisting of the lower alkyl groups and the triphenyl methyl group.

2,455,262
SPRING PIVOT CHAIR STRUCTURE
Erving B. Morgan and Royce W. Clay, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application March 7, 1947, Serial No. 733,060
4 Claims. (Cl. 155—85)



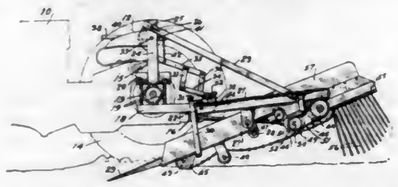
2. A chair structure comprising, in combination: a standard; a seat having a lateral opening; a seat pivot member secured to the standard and having a spindle extending horizontally inwardly through said opening and said spindle having a spring-retaining bayonet slot extending from its inner extremity outwardly, then circumferentially, and then inwardly, terminating short of the inner end of the spindle to form a stop surface; and a longitudinally compressed helical spring surrounding the spindle and having its outer end connected to said seat and its inner end inserted in said bayonet slot and retained in abutment with said stop surface by the expanding force of the spring.

2,455,263
HARNESS MOTION
Edward C. Nichols, Upton, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application November 18, 1944, Serial No. 564,011
8 Claims. (Cl. 139—89)



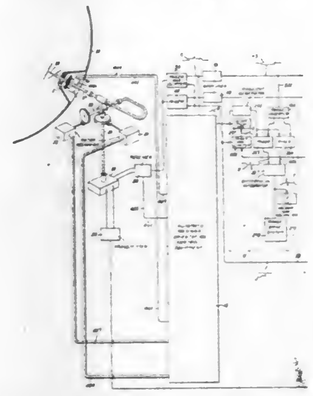
1. In a loom, a harness frame, means for moving the frame in one direction, a rotatable member mounted above said frame, flexible connections between the member and the harness frame, a spiral spring for moving the rotatable member and the harness frame in the opposite direction, a hub on said rotatable member having a plurality of slots therein selectively receiving the inner end of said spring, and means angularly adjustable relatively to said rotatable member to which the outer end of the spring is secured.

2,455,264
POTATO DIGGER ATTACHMENT FOR TRACTORS
Fred P. Noffsinger, Greeley, Colo.
Application June 21, 1945, Serial No. 600,793
4 Claims. (Cl. 55—51)



1. A potato digging attachment for tractors comprising: a relatively short rearwardly extending, T-shaped draw bar; means for securing said draw bar to a tractor so that the T-head thereof will be supported horizontally to the rear of said tractor; hinge means on each extremity of said T-head; a boom member mounted on each hinge means and extending rearwardly therefrom; a Y-shaped hanger, each of the separated extremities of said hanger being hingedly secured to one of said boom members so that said hanger will support both boom members uniformly and simultaneously; a vertical post; means for securing said post to said tractor; means securing said hanger to said post to support said boom members therefrom; a side frame member hinged to each boom member and extending downwardly and forwardly therefrom in parallel relation; a potato digging blade secured between the forward extremities of said side frame members; a lift shaft journaled on and extending between the forward extremities of said boom members; a hanger lever projecting from said lift shaft over each side frame member; hanger bars suspending each of said frame members from one of said hanger levers; and power operated means operatively connected to rotate said lift shaft so as to raise and lower said side frame members and said digging blade.

2,455,265
PULSE RADAR SYSTEM
Donald E. Norgaard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 9, 1943, Serial No. 482,403
43 Claims. (Cl. 343—13)



1. In combination, in an echo system, means to transmit periodic pulses and to receive echoes of each pulse in the interval prior to the next transmitted pulse, a source of oscillations having constant frequency greater than the frequency of the transmitted pulses, means to relate the interval between any transmitted pulse and its received echo to the period of said high frequency oscillations, and to produce an indication dependent on the number of said periods in said interval, and means to vary the frequency of the radiated pulses while the indication of said interval remains fixed.

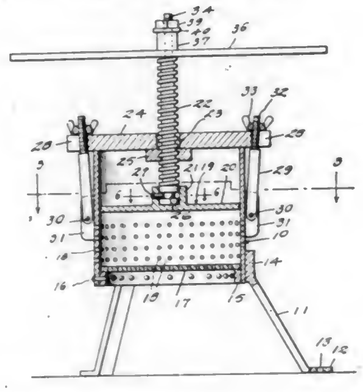
2,455,266
CHILDREN'S AMUSEMENT DEVICE
Eoina Nudelman, Chicago, Ill.
Application February 17, 1948, Serial No. 8,761
3 Claims. (Cl. 46—141)



1. An amusement device comprising a figure formed to simulate a living creature, said figure comprising a forwardly extending portion, means adapted to attach said figure to the edge of a feeding bowl with said forwardly extending

portion closely overlying a portion only of said bowl, said forwardly extending portion having a simulated mouth and a passage, said passage having walls extending solely downward from said mouth through said forwardly extending portion, whereby the contents of a spoon may be emptied into said simulated mouth and fall by gravity into said feeding bowl.

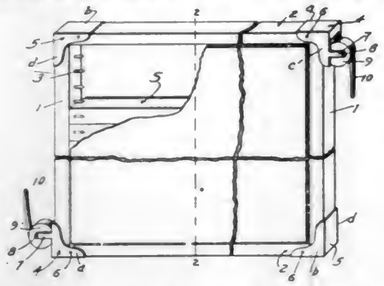
2,455,267
POTATO RICER
Joseph D. Pacotto, Dorchester, Mass.
Application December 15, 1947, Serial No. 791,826
1 Claim. (Cl. 146—176)



A potato ricer comprising a cylindrical body, downwardly divergent legs fixed to said body, a ring fixed in said body at the lower end thereof and forming a seat, a perforate plate seated on said ring, a cross bar extending over the upper end of said body and formed with outwardly opening slots at the opposite ends thereof pairs of diametrically opposed ears carried by said body, a bar pivotally mounted between each pair of ears, a threaded stud carried by each of said latter bars and engageable in a slot of said cross bar, a nut threaded on said stud for tightly securing said cross bar on the upper end of said body, a screw-shaft threaded through said cross bar, a plunger slidable in said body, a reduced threaded stud extending from the upper end of said screw-shaft and formed with a flat side, an elongated shaft operating bar, a bushing carried by said operating bar formed with a bore having a flat side within which said latter stud is adapted to engage, a nut threaded on said latter stud for securing said operating bar on said screw-shaft, a bushing on said plunger, the lower end of said shaft being formed with an annular groove and engageable in said latter bushing and a set screw engaging through said latter bushing and loosely engaging in said groove rotatably securing said shaft on said plunger.

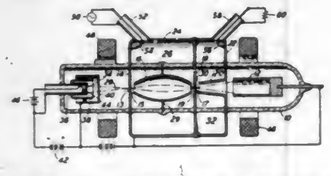
2,455,268
HOLDING FRAME FOR CORE STRIPS
Melvin W. Perry, Algoma, Wis.
Application March 13, 1945, Serial No. 582,447
2 Claims. (Cl. 144—291)

1. A frame for securing assembled core strips for plywood members, comprising a pair of spaced parallel bars, an arm secured to each end of each bar and extending at right angles therefrom toward an arm on the other bar, a second pair of spaced parallel bars disposed at right angles to and overlapping the ends of the first bars each bar of the second pair being engaged at each end against the inner side of an arm, and a force applying eccentric wheel rotatably supported upon one arm of each of the first bars and adapted



when turned in one direction to engage its peripheral face against and apply thrust to the adjacent one of the other pair of bars whereby to effect the tight drawing of the ends of the bars of the first pair against the sides of the overlapping portions of the adjacent bars of the second pair.

2,455,269
VELOCITY VARIATION APPARATUS
John R. Pierce, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 17, 1942, Serial No. 465,843
9 Claims. (Cl. 315—6)



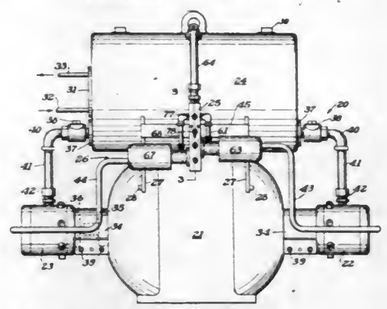
1. High frequency translating apparatus which comprises means within an enclosing envelope for projecting a stream of moving charges along a prescribed path at a substantially uniform velocity, a resonator tuned to a desired oscillation frequency, means disposed along said path and coupled to said resonator for imparting velocity variations to said stream in accordance with an input electromotive force coupled to said resonator, means disposed along said path beyond said first-named velocity variation means and similarly coupled to said resonator for imparting to said stream velocity variations which are equal in magnitude to said first-imparted velocity variations and in a given phase relation thereto and whereby current is induced in said resonator by the passage of charges past each of said velocity variation means, the distance between the two said velocity variation means along the said path substantially corresponding to said charge velocity divided by said oscillation frequency and multiplied by a charge transit angle in cycles which differs from the phase angle in cycles corresponding to said given phase relation by an odd number of half cycles, whereby input frequency components of current induced in said resonator by passage of charges past said second-named velocity variation means are equal and opposite to input frequency components of current induced in said resonator by passage of charges past said first-named velocity variation means, and means disposed along said path beyond said second-named velocity variation means for abstracting input frequency energy from density variations of said stream which are due to drift action between said first-named velocity variation means and said second-named velocity variations means.

2,455,270
AUTOMATIC STRIKING TOOL
Jean Adolphe Ravella, deceased, late of Lyon, France, by Valentine Auda, executrix, Lyon, France, assignor to Société à responsabilité limitée "Mermet & Virthner," Villeurbonne (Rhone), France, a French company
Application September 19, 1945, Serial No. 617,281
In France February 26, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 26, 1963
14 Claims. (Cl. 81—52.35)



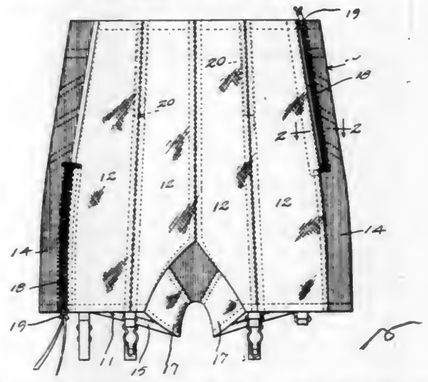
1. An automatic striking tool of the character described comprising a body having abutments at its upper and lower ends; a striking head vertically slidable at the lower end of said body; a vertical member resting on said striking head and vertically slidable therewith in said body, said member having holes; balls in the holes of said member, said balls being larger in diameter than the thickness of said member; a hammer adapted to vertically slide against one face of said member and to strike said striking head, said hammer having a groove adapted to co-act with said balls at the uppermost position of said hammer to longitudinally lock said hammer to said member; a ball-retaining part slidable against the face of said member opposed to said hammer, said ball-retaining part having depressions adapted to co-act with said balls at the lowermost position of said ball-retaining part to unlock said hammer from said member; spring means interposed between the member and the abutment at the upper end of said body and adapted to act downwardly on said hammer when said body is lowered with respect to said striking head; other spring means interposed between the abutment at the lower end of the body and the ball-retaining part to maintain said ball-retaining part at its uppermost position in which same prevents said balls from freeing said hammer under the action of said first-named spring means; and means on the body to lower said ball-retaining part against the action of said second-named spring means to cause the depressions of said part to co-act with said balls at the end of the downward stroke of said body with respect to said striking head; and means for yieldably urging the hammer into contact with the striking head.

2,455,271
HYDRAULIC APPARATUS
Thomas E. Raymond, Zanesville, Ohio, assignor to Simplex Engineering Company, Zanesville, Ohio
Application June 16, 1944, Serial No. 540,605
10 Claims. (Cl. 103—11)



1. A fluid pressure unit comprising, in combination, a high volume low pressure pump; a low volume high pressure pump; means forming a manifold chamber communicating with the outlets of said pumps; valve means in said manifold chamber dividing the same into high and low pressure sections, said low and high pressure pumps communicating with said low and high pressure sections respectively, said valve means preventing fluid flow from said high to said low pressure section; said manifold having an outlet from each of said sections; and relief valves for controlling fluid flow through said last-mentioned outlets, said relief valves being responsive to different pressures.

2,455,272
PANTY GIRDLE
Jack E. Robbins, New York, N. Y., assignor to Poirette Corsets Inc., New York, N. Y.
Application November 19, 1946, Serial No. 710,828
1 Claim. (Cl. 2—38)



A panty girdle comprising a front section, a rear section, elastic side sections connecting said front and rear sections, said girdle being provided with a slit on one side extending downwardly from the upper edge of said girdle between one of said side sections and said front section a distance slightly less than one-half the length of the abutting edges of said sections, and a second slit on the opposite side between said front section and the other of said side sections, said

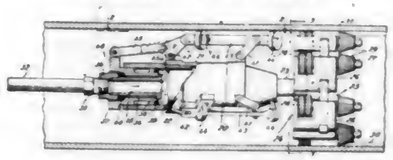
latter slit extending upwardly from the lower edge of said girdle a distance slightly less than one-half the length of the edges of said joining sections, and releasably inter-engaging means carried by the free edges of said sections for closing said slits, said side sections being connected together by a narrow intermediate horizontal portion of said front section in the open position of said slits providing for the ready expansion of the diameter of said girdle in application and removal from a body.

2,455,273

SELF-PROPELLED TUBE CLEANER HAVING ADJUSTABLE TUBE-ENGAGING MEANS

Donald E. Schott, Flushing, and George R. Bartle, Woodside, N. Y., assignors to Thomas C. Wilson, Inc., Long Island City, N. Y., a corporation of New York

Application January 18, 1947, Serial No. 722,908
8 Claims. (Cl. 15—104.12)



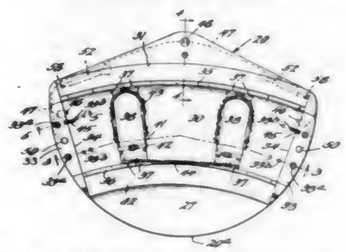
3. In tube cleaning apparatus, the combination of a motor insertable endwise into the tube to be cleaned, the motor including a casing and a rotor and developing a counter-torque in operation tending to rotate the casing on an axis lengthwise of the tube, and means for supporting the motor including a plurality of members mounted on the casing for movement toward and away from the tube and angularly spaced about the casing, connections between the members causing them to move in unison, means for moving the members, and rollers carried by the members and engageable with the inner surface of the tube, the rollers being skewed relative to the tube axis.

2,455,274

SKI TRAINER AND EXERCISER

Clarence A. Scriver, Glens Falls, N. Y.

Application September 28, 1945, Serial No. 619,210
15 Claims. (Cl. 272—57)



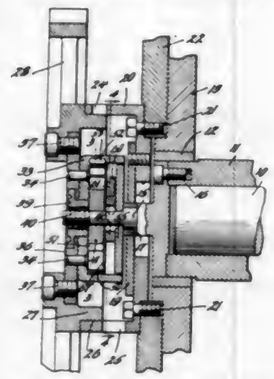
6. A skier's training and exercising machine comprising a base, a table pivotally mounted upon said base and designed to tilt laterally in both directions, a curved laterally arranged track carried by said table, and a pair of shoe plates slidable along said track, a pair of legs pivotally attached to the lateral edge portions of the table, means yieldingly urging said legs into horizontal position, and latching means for locking said legs in vertical position to support and stabilize the table, said latching means including devices operable from above the table to permit said legs to collapse against said table.

2,455,275

FUEL PUMP DRIVE FOR DIESEL ENGINES

Richard H. Sheppard, Hanover, Pa.

Application July 9, 1946, Serial No. 682,398
4 Claims. (Cl. 123—179)



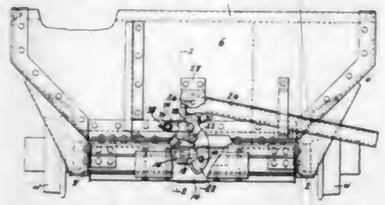
1. In a device to facilitate the starting of a Diesel engine, a fuel pump shaft, a gear coaxial therewith and adapted to be driven from the crank shaft of the engine, mechanism for connecting the gear with the shaft including a spring connection, means for winding the spring as the gear turns without rotating the shaft, and trip means for releasing the wound spring to rotate the shaft at a higher rate of rotation than the gear after the gear has rotated through a chosen angle of movement, said trip means including a centrifugally controlled member whereby the winding device is rendered inoperative when the gear reaches a chosen speed of rotation.

2,455,276

DROP BOTTOM MINE CAR LATCH

Robert A. Shields, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application September 20, 1946, Serial No. 698,307
11 Claims. (Cl. 105—308)



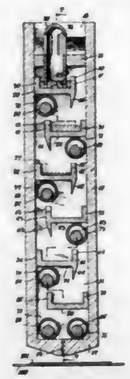
1. A drop bottom mine car having a car body and a dumping door, a latch operator pivoted to the car body, a latch hook pivoted to said latch operator and swingable relative to said car body and latch operator, means carried by said dumping door and engageable by said latch hook to retain the dumping door in closed position, and means connected to said latch hook and to said car to cause swinging of said latch hook relative to the car body at a rate greater than the rate of swinging of the latch operator relative to the car body.

2,455,277

SELENIUM BOILER

Cleveland Scudder Smith, Jr., West Orange, N. J., and Sol Blumenthal, Indianapolis, Ind.; said Smith assignor to Samuel Ruben, New Rochelle, N. Y., and said Blumenthal assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application September 5, 1945, Serial No. 614,518
6 Claims. (Cl. 263—36)



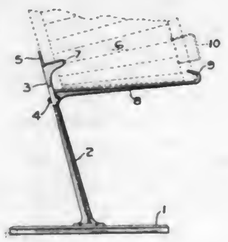
4. A vaporizer comprising a closed chamber, a plurality of horizontal trays disposed in vertically spaced relationship in said chamber, a top closure for said chamber having means to receive the material for vaporization thereon, means including a vapor lock supplying molten material through said closure means onto the topmost tray, said trays being staggered and disposed adjacent of the side walls of said chamber, a downwardly extending overflow lip on the free edge of each tray positioned to direct overflow liquid onto the tray below, a heating member disposed beneath each of said trays for heating and vaporizing the liquid thereon, and a vapor slit formed in the bottom of said chamber to discharge the vapors therefrom.

2,455,278

DISPLAY STAND FOR DISPLAYING MERCHANDISE

Raymond R. Stewart and John W. Biewen, Fairfield, Iowa, assignors to Universal Producing Company, Fairfield, Iowa, a corporation of Iowa

Application April 1, 1947, Serial No. 738,558
4 Claims. (Cl. 248—158)



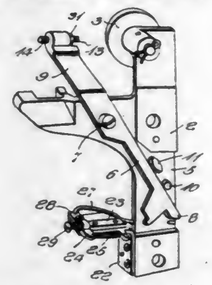
1. A display stand comprising a supporting base, a standard rising therefrom, a supporting head projecting laterally in both directions from the upper end portion of the standard, and container-holding means projecting from the head and from the standard for securely supporting a container in display positions, said means having a container-engaging hook for engaging with a container to hold it in display position.

2,455,279

LONG OR SHORT LINE ASSEMBLY ELEVATOR STOP

Wilbert J. Swatzell, El Dorado, Ark.

Application December 28, 1944, Serial No. 570,154
15 Claims. (Cl. 199—18)



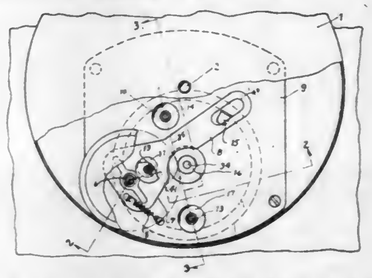
1. Typographical casting machine stops embodied with an assembling and casting machine having an assembling elevator and an assembler slide comprising, a projection on the assembling elevator, a lever swingably mounted adjacent to said assembling elevator and having one swinging end thereof normally interposed to engage the projection and stop movement of said assembling elevator, a second stop means disposed to be contacted by the end of said lever when excessive movement is imparted thereto by a too long line to extend said second stop means to engage the projection, and a lug on the assembler slide engaging with the opposite end of said swinging lever.

2,455,280

MOTOR MOUNT AND MOTOR DRIVE MEANS FOR PHONOGRAPHS

David V. Sweighert, Cleveland, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio

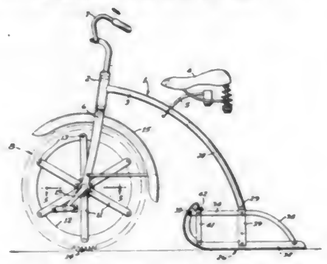
Application January 5, 1945, Serial No. 571,715
5 Claims. (Cl. 74—206)



1. In a phonograph turntable drive of the type described wherein the said turntable is frictionally driven by the engagement of the peripheral tread of the idler wheel with a pendant flange of the turntable, and wherein said idler wheel at another point in its circumference is peripherally frictionally engaged by the periphery of a motor driven driving roller of such substantially lesser

diameter than said idler wheel that said roller may be driven at a relatively high speed to effect frictional driving by said idler wheel of the turntable at a reduced rotational speed, the combination with a motor having an upwardly projecting shaft, said pendant flange, and said idler wheel, a roller carried by the upper end portion of said motor shaft, and means affording a common support adapted to maintain said roller flange and idler wheel, in substantially the same horizontal plane; means for resiliently and yieldably urging said idler wheel into predetermined pressure contact with both said roller and said turntable flange, and a plurality of supporting elements for pendantly supporting said motor from said support, said elements comprising substantially rigid means extending upwardly from said motor into said plane, substantially resilient cushioning means interconnecting said support and said rigid means, said cushioning means being so disposed as to afford a horizontal extending pivotal swinging axis for said shaft supported roller, with said swinging axis passing substantially tangentially through the inter-engaged portions of the idler wheel periphery and the roller periphery.

2,455,281
CONVERTIBLE TRICYCLE
Angelo M. Teta, Manhasset, N. Y.
Application December 6, 1946, Serial No. 714,446
1 Claim. (Cl. 280—7.12)

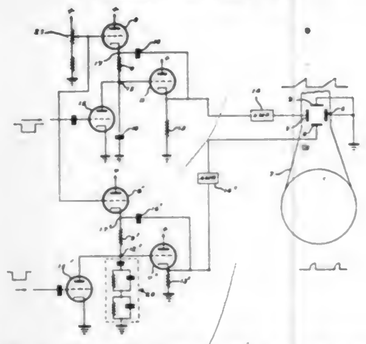


A child's convertible tricycle comprising a frame having a steerable driving wheel at the front, and a horizontal cross-bar extending from side to side of said frame at the rear, a wheeled running gear structure and a sled runner structure to be used interchangeably with said tricycle frame, each of said structures having a cross member on which said cross-bar is adapted to rest, spaced fastening devices to secure said cross-bar to one of said cross members, said fastening devices being adapted to produce either a firm engagement between said parts or a limited pivotal movement therebetween to enable said fasteners to be adjusted to allow a limited pivotal movement of the sled runner structure to take place.

2,455,282
PROCESSES OF PREPARING INSOLUBILIZED SULFONATES AND PRODUCTS THEREOF
Jack T. Thurston, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 15, 1945, Serial No. 616,647
20 Claims. (Cl. 260—67)

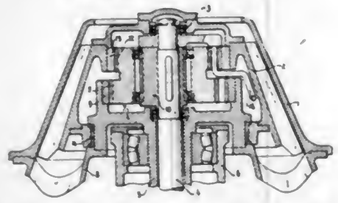
1. A process which comprises reacting an alpha-furyl substituted organic sulfonate with an aldehyde, gelling the resulting condensation product and heating the gel thus obtained until it is insoluble, the molal ratio of said aldehyde to said sulfonate being between 3:1 and 1:1.

2,455,283
INDICATING SYSTEM
George E. Valley, Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application November 4, 1944, Serial No. 561,990
2 Claims. (Cl. 315—24)



1. In a variable range radio object-locating system indicator having a cathode ray tube provided with horizontal and vertical deflecting elements, the combination of, horizontal and vertical sweep control means including resistance and capacitance elements, said means determining the sweep speeds in accordance with the rate of charge of said capacitance elements, voltage-applying means including a plurality of electron tubes for impressing charging voltages respectively on said capacitance elements, and a potentiometer for simultaneously varying the grid bias of said electron tubes thereby to effect gradual variations in said charging voltages when changing the range of said indicator.

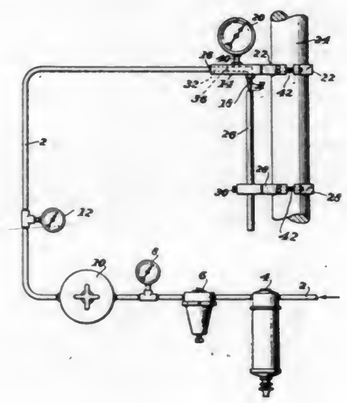
2,455,284
CENTRIFUGAL MACHINE
Pieter van Riel, Delft, Netherlands, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands, a company of the Netherlands
Application July 25, 1946, Serial No. 686,197
In the Netherlands November 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 16, 1964
3 Claims. (Cl. 210—69)



2. A centrifugal machine comprising a rotatable outer drum secured to a hollow driving shaft and comprising a scraping drum located within the outer drum and supported on a stationary shaft surrounded by said hollow shaft and on a flange of said latter shaft, said flange carrying an internal toothed rim arranged in the interior of the scraping drum closed by said flange and said scraping drum being provided in said closed interior space with an internal toothed rim, pinions meshing with said toothed rims being eccentrically and rotatably supported on said stationary shaft.

3. A centrifugal machine comprising a rotatable outer drum secured to a flange of a hollow driving shaft and comprising a scraping drum located within the outer drum and supported on said flange of said hollow shaft and on a stationary shaft surrounded by said hollow shaft, the flange of which carries an internal toothed rim arranged in the interior of the scraping drum closed by said flange and said scraping drum being provided in said closed interior space with an internal toothed rim, pinions meshing with said toothed rim being eccentrically and rotatably supported on said stationary shaft.

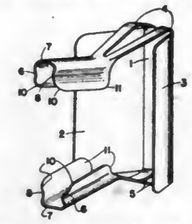
2,455,285
STRAIN GAUGE
Forest F. Versaw, Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application September 13, 1945, Serial No. 616,065
3 Claims. (Cl. 73—88)



2. A strain gauge for measuring stress or load in a member resulting in a change of its dimension, comprising spaced supporting fixtures rigidly secured to a member in which the strain is to be measured, a rod carried at one end by one of said fixtures, said rod being spaced from said member and extending substantially parallel with the force vector of the stress applied to said member, a nozzle carried by said other fixture, directed toward the free end of said rod axially thereof and in close proximity thereto, a conduit connecting said nozzle with a source of fluid under pressure, a constricting member formed with an orifice of fixed size mounted in said conduit inwardly of the nozzle orifice, and a pressure responsive means communicating with a chamber in said conduit which is defined by the space between said orifices.

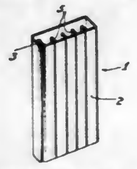
2,455,286
ANTENNA CAP
Frank D. Werner, Kansas City, Mo., assignor to the United States of America as represented by the Secretary of the Navy
Application May 22, 1946, Serial No. 671,620
3 Claims. (Cl. 250—33.65)

1. A detachable antenna cap adapted to be attached to the end of a wave guide comprising a pair of wings forming a dihedral angle, a panel truncating said dihedral angle, a plurality of arms attached to said panel, and resilient clips adapted to frictionally engage said wave guide carried by



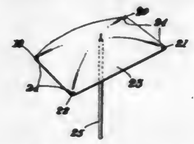
said arms and constituting the sole support for said antenna cap.

2,455,287
CATHODE FOR ELECTRONIC DISCHARGE DEVICES
Howard B. Allen, Jr., Chatham, N. J., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware
Application September 5, 1944, Serial No. 552,721
2 Claims. (Cl. 250—27.5)



1. A cathode sleeve for indirectly heated cathodes, comprising a tubular metal member, the exterior surface of which is to be coated with electron-emissive material and the interior of which is to receive a heater element, said tubular member being substantially rectangular in cross section and having one side wall corrugated inwardly with the adjacent corrugated surfaces in contact to provide inwardly extending rigid fins for increasing the mechanical rigidity of the sleeve while maintaining the exterior surface of said wall substantially flat.

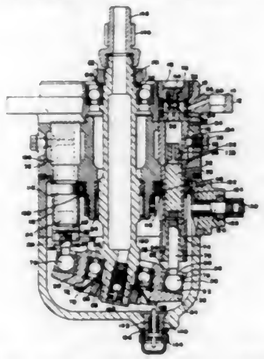
2,455,288
UMBRELLA
Octavio Jose Alvarez, New York, N. Y., assignor to Alvarez Patent Corporation, New York, N. Y.
Application September 18, 1946, Serial No. 697,683
11 Claims. (Cl. 135—20)



1. An umbrella comprising a supporting structure composed of a plurality of supporting rib members having outer and inner portions and connected at their inner portions to each other so as to be movable between inoperative position arranged flat in substantially one plane and operative open position with their outer portions spaced from each other; an umbrella rod constructed so as to be attachable to said supporting rib members at said connected inner portions of the same and to be easily detachable therefrom; and an umbrella cover constructed so as to be easily attachable to said outer portions of said

supporting rib members when the same are in said operative position and to be easily detachable therefrom, whenever desired.

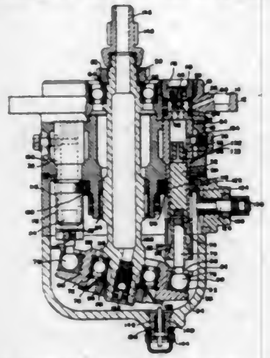
2,455,289
FUEL INJECTION PUMP
George W. Baierlein, Springfield, Mass., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application February 27, 1946, Serial No. 650,408
5 Claims. (Cl. 103—173)



1. Injector pump mechanism, comprising a generally cylindrical housing including a supporting portion and a body portion, said body portion having a plurality of bores therethru parallel to the axis of said housing, a plurality of plungers, one plunger being reciprocable in each of said bores, the ends of said bores nearest said supporting portion being provided with discharge ports, a drive shaft extending coaxially thru both portions of said housing, means attached to said drive shaft beyond the side of said body portion opposite said supporting portion for reciprocating said plungers, first thrust bearing means associated with said reciprocating means for transmitting to said shaft axial forces due to reciprocation of said plungers, and second thrust bearing means between said shaft and said supporting portion for transmitting axial forces from said shaft to said supporting portion.

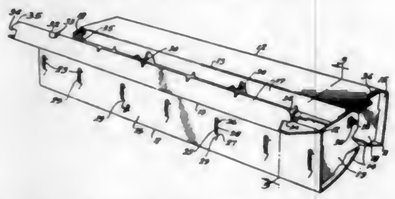
2,455,290
DISCHARGE VALVE ASSEMBLY FOR FUEL INJECTOR PUMPS
George W. Baierlein, Springfield, Mass., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Original application February 27, 1946, Serial No. 650,408. Divided and this application February 6, 1947, Serial No. 726,846.
2 Claims. (Cl. 103—154)

1. Injector pump mechanism, comprising a body having a bore extending thru it and a shoulder on said body within said bore, a barrel receivable in said bore and having a shoulder adapted to engage the shoulder in said bore, a recess in an external face of said barrel, a set screw insertable thru said body to engage said recess and hold said barrel against rotation, a plunger reciprocable in said barrel, a discharge valve seat member in said bore engaging the end of said barrel, a valve member engaging the face of said seat member opposite said barrel, hollow spacer means in said bore engaging said seat and surrounding said valve, a spring retainer threadedly inserted in said bore and engaging said spacer means to hold said spacer means, said seat member and said barrel in assembled rela-



tion, and a spring within said spacer and retained by said retainer and biasing said valve to closed position, said spacer being laterally apertured to permit outflow of fluid passed by said valve.

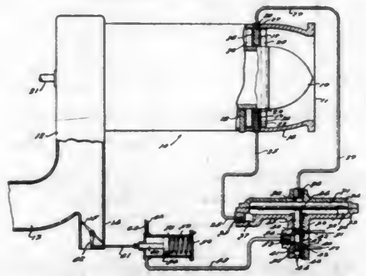
2,455,291
CELLULAR CARTON
Leon Benoit, New York, N. Y., assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y., a corporation of New York
Application July 4, 1945, Serial No. 603,213
4 Claims. (Cl. 229—28)



1. A cellular carton comprising two foldable blanks each having flaps hinged along one edge and extensible at right angles within the other blank to form cross walls, a side wall with cross slits corresponding to the cross walls and upper and lower parallel slits extending longitudinally of the side wall in opposite directions from the ends of the cross slits and forming yieldable portions at opposite sides of the cross slits for engaging the cross walls, said side wall having at one end of each lower slit a slit extending angularly from said lower slit to a point approximately in line with the cross slit, forming a yieldable locking tab, a hook shaped lug at the outer edge of each flap insertable through the cross slit in the side wall of the opposite blank and engaged at opposite sides by said yieldable portions and engageable with the locking tab at the bottom of the cross slit, said locking tab retaining the lug in the cross slit.

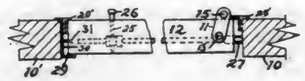
2,455,292
CONTROL APPARATUS
David M. Borden, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 13, 1944, Serial No. 530,926
8 Claims. (Cl. 230—115)

1. Apparatus for keeping within the pumping limit an axial flow supercharger for gas having a plurality of alternate stationary and rotary blade stages and a delivery line, the stages being generally radially coextensive with one another, said apparatus comprising means responsive to change in the relation of pressures at two points of the stationary blade stage spaced radially from one



another upon approach or arrival of the pumping limit, a spill valve in the delivery line of the supercharger, and means connecting the aforesaid means and valve for causing the aforesaid change in the relation of pressures to increase the opening of the spill valve.

2,455,293
DOOR FOR VEHICLES
Clem G. Branstrator, Fort Wayne, Ind.
Application July 21, 1947, Serial No. 762,244
6 Claims. (Cl. 296—44)

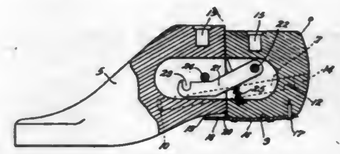


5. A door structure for a vehicle consisting of a door frame, one side of said frame having a pocket and the opposite side of the frame having hinge brackets, a door having in one side thereof an oscillating shaft provided with arms hingedly connected with said brackets, a horizontal jamb shaft element longitudinally movable in said door having locking engagement with said oscillating shaft to prevent turning movement thereof in the door when the door is moved into position in the door frame for opening of the door, an operating mechanism carried by the door, including a handle and an activating arm engaged with said jamb shaft, whereby the jamb shaft element and the door are moved sequentially in opposite directions so said element contacts one of said jambs while the door enters the pocket of the other jamb, and a spring-loaded detent mechanism connecting said door and jamb shaft element to urge or deter relative movement thereof accordingly as positioned.

2,455,294
SHOE LAST
George Clausing, Portsmouth, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio
Application October 6, 1945, Serial No. 620,697
6 Claims. (Cl. 12—135)

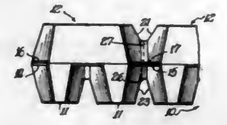
1. A shoe last comprising a fore part, a back part, and longitudinally extending inclined guide means for imparting rectilinear movement to said last parts along a path inclined at an acute angle relative to the longitudinal axis of said last upon extension, and contraction of the parts thereof.

said acute angle having legs formed by the intersection of the rectilinear path and the longitudi-



nal axis of the last which diverge in a direction rearwardly of the last.

2,455,295
CELLULAR CARTON
John W. Cox, Chicago, Ill., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application October 23, 1942, Serial No. 463,106
5 Claims. (Cl. 229—29)

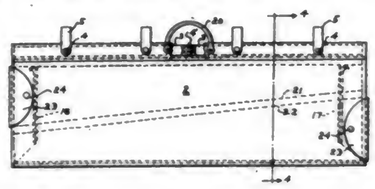


1. A molded pulp egg carton comprising a bottom having integral upstanding marginal walls, a two-walled partition integral with the bottom extending upwardly therefrom, said partition being disposed transversely of an opposed pair of the walls to define longitudinally spaced egg receiving pockets, there being an abutment on one of said opposed walls intermediate said pockets, and a cover integrally hinged to the other of said opposed walls having a paneled top and a front wall depending therefrom, said front wall being recessed and provided with an abutment adjoining the recess which is engageable with the first named abutment in the closed position of the cover, said cover top having a transverse two-walled panel-defining depression therein in line with said bottom partition which extends downwardly a portion only of the height of the cover, said partition and depression being weakened intermediate the walls thereof to enable severance of the carton into sections, the respective partition and depression walls of the thus divided sections constituting end walls for the bottom and cover thereof, said partition and depression extending vertically of the respective bottom and cover a distance sufficient to define an egg retaining and protecting wall at the severed end of each of the sections.

2,455,296
CASE FOR FIREARMS
Philip M. Current, Fort Wayne, Ind.
Application July 2, 1945, Serial No. 602,721
6 Claims. (Cl. 224—2)

2. A case for firearms comprising two flexible side walls, a bottom wall, a pair of rigid reinforcing members hingedly connected and extending the length of the walls between the upper portions thereof, means cooperating with each of the side walls to form two oppositely tapering gun-receiving pockets adjacent each side wall, and forming a storage space between them, means to releasably close the opposite ends of the storage space, each gun-receiving pocket

being open at one end and having a flap to close the same and means mounted on the



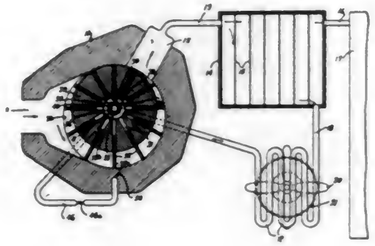
members to support the case in horizontal position.

2,455,297

SLIDING VANE AIR PUMP LUBRICATION

William H. Curtis, Los Angeles, Calif., and Russell R. Curtis, Dayton, Ohio, assignors, by mesne assignments, to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application February 13, 1943, Serial No. 475,700
5 Claims. (Cl. 230—207)



1. A pump construction comprising a housing defining a pump chamber having an inlet and an outlet, a slotted rotor rotatably mounted in said chamber in eccentric relation therewith, said rotor having a central passageway communicating with the slots, vanes slidably mounted in said slots having inner ends exposed to said passageway and outer ends riding on the wall of said pumping chamber, a metering pin in said passageway defining an oil chamber directly communicating with the inner ends of only the vanes that are exposed to the outlet and defining a second oil chamber having restricted communication with said first oil chamber and directly communicating with the inner ends of the vanes not exposed to the outlet, and conduit means connecting said second oil chamber to a portion of said pump chamber at a pressure intermediate that of said inlet and outlet.

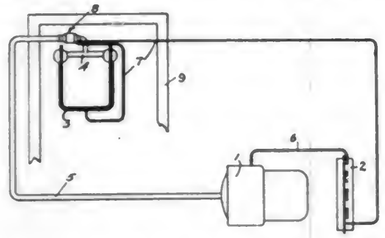
2,455,298

COMBINATION METERING DEVICE AND HEAT EXCHANGER FOR REFRIGERATORS

Martin T. Cahenzli, Jr., Chicago, Ill., assignor to The Harry Alter Company, Chicago, Ill., a corporation of Illinois

Application November 10, 1944, Serial No. 562,881
7 Claims. (Cl. 62—127)

1. A combined metering tube and heat exchanger for a refrigerating system, including a metering tube in the form of a main coil each convention of which is made up of a series of convolutions of the metering tube, and a housing containing said coil and arranged for connection in the suction line of a refrigerating system,



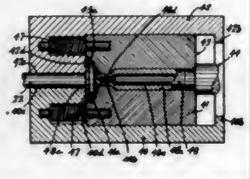
said housing having an opening therein through which both ends of said tube extend.

2,455,299

METHOD FOR MAKING VALVES

Perry E. Cooley, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application April 18, 1945, Serial No. 588,922
10 Claims. (Cl. 29—156.7)



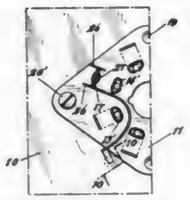
9. The method of forming hollow stemmed poppet valves which comprises locally die-pressing a solid metal rod in spaced relation from the leading end thereof to form a reduced diameter portion, piercing that portion of the rod between the reduced diameter portion and the leading end of the rod to form a hollow stem, upsetting a portion of the length of the rod on the other side of the reduced diameter portion to form a valve head, and thereafter severing the resulting headed hollow stemmed blank from the rod.

2,455,300

RADIO TUBE SOCKET

Albert W. Franklin, New York, N. Y.

Application December 23, 1944, Serial No. 569,579
2 Claims. (Cl. 173—328)



2. A radio structure of the type described, a tube socket comprising an insulating support, and a plurality of prong receiving clips mounted on said support, a shield surrounding one of said clips and conductively connected to an adjacent clip, said shield having an integral grounding tab, and a conducting support to which said socket is attached and said grounding tab is conductively anchored.

2,455,301

PLASTICIZERS FOR POLYVINYL ACETAL RESINS

Harry R. Gamrath, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 8, 1946, Serial No. 668,324
10 Claims. (Cl. 260—31.8)

1. A plastic composition comprising a polyvinyl acetal resin and, as a modifying agent therefor, from 30 to 80 parts per 100 parts of the polyvinyl acetal resin, of an ester of the general formula:

$$X—OOC—R—COO—CH_2—COO—X$$

in which R is an alkylene radical having from 2 to 4 carbon atoms and X is an alkyl radical having from 1 to 8 carbon atoms.

2,455,302

EXTENSION CLASP FOR BANDS SUCH AS BRACELETS

George A. Gotti, New York, Andrew Killian, Elmhurst, and Nicholas Volpicelli, Astoria, N. Y.

Application December 16, 1947, Serial No. 792,074
4 Claims. (Cl. 24—71)



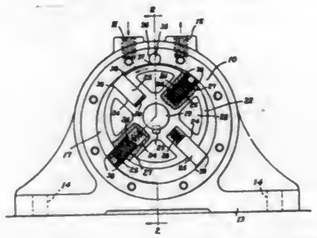
1. In a device of the class described, a housing having an open bottom, a plurality of interpivoted connector elements adapted to be disposed in said housing in folded condition, one end of said plurality pivoted to the housing, the other end projecting from the housing, a tooth on the last of said elements, a plate slidable along the bottom of the housing having rack teeth on its upper surface adapted to engage said tooth and uni-directionally latching the plate against withdrawal from the housing, the end of the plate always extending beyond the housing, spring means on the housing bearing against the plurality of elements to maintain engagement of the tooth with the rack and manipulatable means adapted when operated to move said elements to disengage said tooth and permit withdrawal of the rack.

2,455,303

ROTARY PUMP

Earl L. Grate, Salem, Ohio

Application March 5, 1945, Serial No. 580,966
2 Claims. (Cl. 103—136)



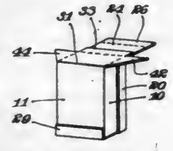
1. A rotary pump including a casing having a cylindrical pump chamber therein and adjacent intake and discharge ports at the top of the chamber only, a pair of caps closing the ends of the chamber, a shaft eccentrically located through the chamber and journalled in said caps, a cylindrical rotor fixed upon the shaft and eccentrically located within the chamber, the length of the rotor being substantially equal to the distance between the caps and one side of the rotor being in close proximity to but slightly spaced from the inner wall of the pump chamber at a point between the intake and discharge ports, there being a longitudinal opening located through the wall of the casing at a point mid-way between the intake and discharge ports, said longitudinal opening being open along one side into the pump chamber, and a sealing abutment comprising a longitudinally disposed bar tightly non-rotatably fixedly mounted within said longitudinal opening and having one side extending through the open side of the longitudinal opening and into the chamber in sealing contact with the periphery of the rotor, said longitudinal bar being of the same cross sectional shape as the longitudinal opening whereby the bar may be selectively mounted in a plurality of peripherally adjusted positions within the opening.

2,455,304

METHOD FOR SEALING CARTONS

Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota

Application November 9, 1944, Serial No. 562,717
16 Claims. (Cl. 93—36.8)



1. The method of sealing a tubular carton having substantially rectangularly arranged side walls, end panels issuing from two opposed side walls, a sealing flap foldably connected to one end panel, and side panels issuing from the remainder of said side walls and connected to one of said first named end panels by gusset folds, the method consisting of folding said one end panel to extend across the open end of the carton, the gusset folds overlying the side panels and the sealing flap on said one end panel lying against a portion of the inner surface of the other end panel, sealing the gusset folds to the side panels and the sealing flap of said one panel to the other end panel, holding the sealed portions until the seal is set, folding the gusset folds to overlie said one end panel, and folding the other end panel to overlie said gusset folds.

2,455,305

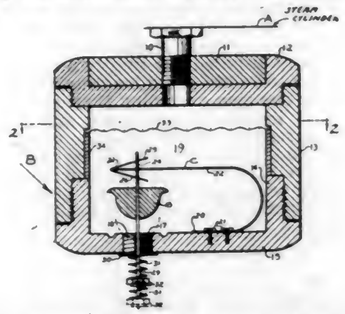
THERMOSTATIC DEVICE FOR DRAINING CONDENSATE FROM STEAM CYLINDERS AND THE LIKE

Jack A. Heva, Seattle, Wash.

Application December 21, 1945, Serial No. 636,544
4 Claims. (Cl. 121—134)

1. A device for draining condensate from steam cylinders and the like, comprising, a housing connected by a conduit below a steam cylinder and enclosing a chamber for receiving the condensate, said chamber having a port through the base thereof for discharging the condensate therefrom, a bi-metal spring supported over the floor of the chamber and having one end thereof movably disposed in spaced relation over the floor of the chamber for actuating a valve, a valve normally suspended by the spring in spaced relation over the port, and the said bi-metal spring

being thermally adapted to depress the valve and close said port when temperature in the chamber reaches a predetermined degree of heat to prevent the loss of steam from the port, a spindle extended from the valve downward through said port for outside manual adjustment of the valve to vary the distance between the spring and the valve for closing the port under varying degrees of heat,



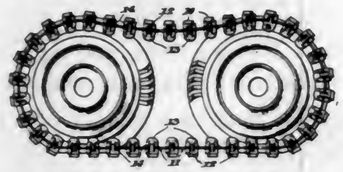
means for balancing the valve against pull of vacuum from below the port when connected with a suction pipe, a screen mounted over the valve and port to prevent solid matter from the cylinder interfering with accurate seating of the valve, together with means for preventing salt air and deleterious vapors entering the cylinder through the conduit, when the cylinder is idle.

2,455,306
THERMALLY RESPONSIVE UNIT
Frank R. Higley, Cleveland Heights, Ohio, assignor to Bryant Heater Company, a corporation of Ohio
Application March 29, 1944, Serial No. 528,548
1 Claim. (Cl. 297—11)



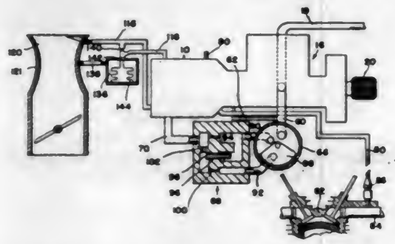
A monometallic thermally-responsive unit of elongated form adapted for lateral deflection, comprising a piece of sheet metal having a longitudinally extending bend providing a pair of elongated members generally of strip form, disposed alongside each other in slightly spaced facing relation, said piece being perforate along a portion of said bend intermediate the ends thereof, said members having integral interconnection along said bend, longitudinally beyond each end of said perforate portion, adjacent one pair only of their edges, said unit including mounting means adjacent one end of said members to provide lateral deflection at the other end responsive to temperature differential between said members intermediate their ends.

2,455,307
TRACTION DEVICE FOR WHEELED VEHICLES
Basil Dion Irvin, Ottawa, Ontario, Canada, assignor of one-half to Norman Samuel, Toronto, Ontario, Canada
Application September 11, 1945, Serial No. 615,519
In Canada August 2, 1945
13 Claims. (Cl. 305—10)



1. A traction device for attachment to resilient-tire-carrying vehicle wheels, comprising a plurality of rigid, relatively short track shoes, fixed guide means in connection with each shoe adapted to guide the shoe on tire sidewalls, and a plurality of inflexible connector members interconnecting the shoes in spaced relation, each such member extending longitudinally of the traction device, and being pivotally connected at each end to a shoe for angular movement in any direction in relation thereto, and the axis of each connector member being located closer to the axis of rotation of a wheel than the loading-carrying-tire-contacting surface of each shoe by an amount approximately equal to the tire deflection of the wheel.

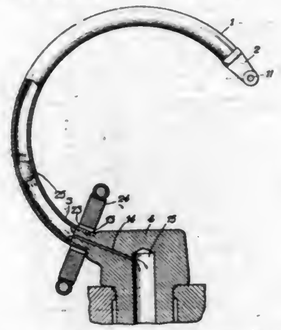
2,455,308
CONTROL APPARATUS FOR INTERNAL-COMBUSTION ENGINES
Leighton Lee, II, West Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application September 24, 1945, Serial No. 618,309
19 Claims. (Cl. 123—119)



1. A fuel control system for an internal combustion engine comprising a control cylinder, a piston rotatable in said cylinder and separating two chambers between the ends of said piston and the ends of said cylinder, one of said chambers having a fuel inlet port and also having a plurality of ports in a wall of said cylinder for the discharge of fuel to the respective cylinders of the engine, said piston having a channel portion providing communication between said inlet port and the respective discharge ports during rotation of said piston, said piston being also translatable in said cylinder to vary the opening of said discharge ports, rotation of said piston being also effective to prevent sticking thereof during translation, restricted passage means for the flow of fuel to said inlet port, and means for admitting fuel to

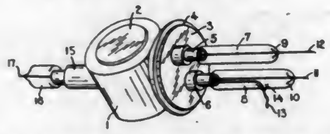
the other of said chambers from a point upstream of said restriction, whereby said piston is subjected on opposite faces to a differential pressure of fuel flowing to the engine.

2,455,309
METHOD OF SOLDERING BOURDON TUBES AND THE LIKE
Nathan Levin, Brooklyn, N. Y., assignor to Induction Heating Corp., New York, N. Y., a corporation of New York
Application September 6, 1945, Serial No. 614,734
4 Claims. (Cl. 113—112)



1. Method of soldering together a pair of objects having small orifices in such manner as to form a continuous unobstructed passageway therebetween, which comprises: disposing in a compartment completely enclosing one end of one said orifice, a solidified, non-inflammable material which rapidly vaporizes at atmospheric temperatures, and permitting said material to vaporize and escape from said compartment through said orifices and passageway while carrying out said soldering operation.

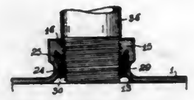
2,455,310
ULTRA HIGH FREQUENCY TUBE
Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application December 10, 1945, Serial No. 633,967
4 Claims. (Cl. 250—27.5)



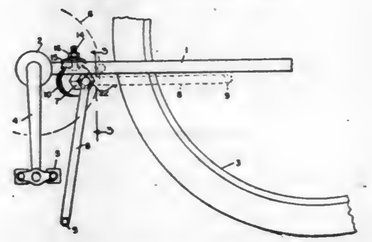
1. A vane type magnetron, a single coupling loop comprising a wire extending partway along one vane, but spaced therefrom crossing the space between vanes, and extending along an adjacent vane in the opposite direction and spaced therefrom to form an approximately U-shaped open-ended loop.

2,455,311
CONDUIT CONNECTION FOR TANKS
Ellwood H. Meyers, Brecksville, and Walter S. Gaines, Chagrin Falls, Ohio, assignors, by mesne assignments, to Republic Industries, Inc., New York, N. Y., a corporation of Delaware
Application May 18, 1944, Serial No. 536,147
6 Claims. (Cl. 285—49)

1. A conduit connection for a vessel wall, comprising an extension on the face of said wall about an opening therein, such extension providing a passage with its axis extending at an angle to the plane of said wall, an insert adherently molded and solidified in said passage, and a continuous pipe thread formed in part on said extension and in part on said molded insert.



2,455,312
KICK STAND
Homer L. Mueller, Cleveland, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application June 20, 1946, Serial No. 678,042
4 Claims. (Cl. 280—301)

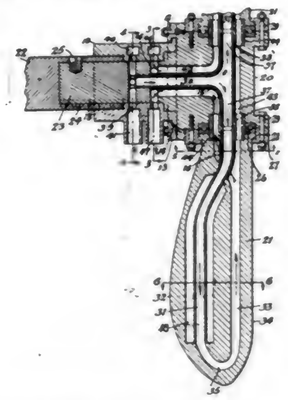


4. In a bicycle kick stand of the type comprising a housing clamped against the bottom sides of two spaced apart bicycle frame members which form the lower rear fork thereof and a prop rotatable in said housing to and from a bicycle supporting position, the combination of a housing of non-cylindrical cross-section and of length exceeding the width of the space between said members, a U-shaped bracket non-rotatably fitted in such space and formed with coaxial openings in the leg portions thereof of cross-section complementary to that of said housing, said housing being fitted into the openings in said bracket and adjustable longitudinally thereof, and a clamp associated with said bracket and spanning the top sides of said members for drawing said housing into engagement with the bottom sides of said members.

2,455,313
HEAT EXCHANGING AIRPLANE PROPELLER
Irving B. Osofsky, Buffalo, N. Y.
Application February 19, 1945, Serial No. 578,641
5 Claims. (Cl. 257—259)

1. A heat exchanger for a blade of an airplane propeller, comprising a conduit having two longitudinal sections arranged lengthwise in said blade and communicating with each other at their outer ends and one of said sections being connected at its inner end with a heated fluid supply and forming an outflow section through which heated fluid is carried from the inner end of the blade to the outer end of the same and the other of said longitudinal sections being connected at its inner end with a discharge and adapted to carry the heated fluid from the outer end of the blade to the inner end of the same, and said outflow conduit section and its inlet connections being heat insulated from said blade to avoid transmission of

heat from the liquid flowing through said outflow conduit section to said blade and the inflow conduit section being non-heat insulated from said



blade to promote the transmission of heat from the liquid flowing through the inflow conduit section to said blade.

2,455,314

FRACTIONAL CONDENSATION OF PHTHALIC ANHYDRIDE

Kurt F. Pietzsch, Pittsburgh, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application August 21, 1945, Serial No. 611,891
4 Claims. (Cl. 260—342.5)

1. A method for the fractional condensation of phthalic anhydride from a gas mixture containing vapors of phthalic anhydride and maleic anhydride which comprises passing said gases at a temperature of approximately 135° C. into a chamber, maintaining the gas mixture within said chamber at a temperature between about 132° C. and about 80–90° C. by indirect heat exchange with a confined stream of fluid within said chamber admitted at a temperature of about 50°–100° C. and thereby condensing in said chamber a phthalic anhydride of low maleic anhydride content in the form of light, fluffy and non-adherent particles which coalesce to form larger crystals that settle out from the gas stream as a porous mass.

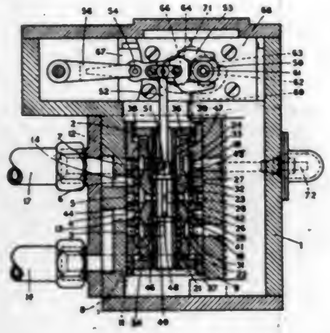
2,455,315

PILOT OPERATED HYDRAULIC VALVE AND DITHER MECHANISM THEREFOR

Alfred German Rose, Gainsborough, and Kenneth Howard Nicholls, Freshford, England

Application June 8, 1945, Serial No. 598,382
In Great Britain May 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 18, 1964
7 Claims. (Cl. 121—46.5)

1. A hydraulic valve mechanism for controlling a hydraulic apparatus, comprising a valve body formed with main pressure and exhaust ports and pressure and exhaust connecting ports arranged to conduct hydraulic medium to and from the hydraulic apparatus, a servo valve slidably mounted within said body and formed with pressure and exhaust conduits and valve closure members so arranged that the servo valve may be slid from a neutral position where said closure members are in register with said connecting ports to such positions that said pressure conduit connects said main pressure ports to either of said pressure or exhaust connecting ports, a controlling valve slidably mounted within said servo valve and forming therewith a pressure chamber in constant connection with said pressure conduit, closure members formed on said controlling valve and so arranged that said controlling valve may be slid from a neutral position where said closure members are in register with valve-actuating ports formed in said servo valve to such positions that said valve-actuating ports connect



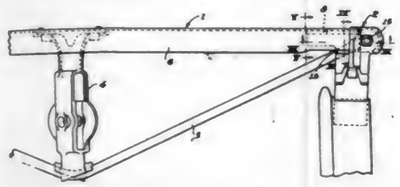
said pressure chamber to one or the other of a pair of closed chambers formed within said servo valve and said valve body, a valve controlling arm pivotally mounted in said valve body, a valve-oscillating arm pivotally mounted on said valve-controlling arm and pivotally connected to said controlling valve, and means for rapidly oscillating said valve-oscillating arm so as to cause said controlling valve to connect said pressure chamber to said closed chambers in rapid alternation.

2,455,316

BRAKE BEAM

Frederic Schaefer, Pittsburgh, Pa.

Application June 26, 1946, Serial No. 679,320
6 Claims. (Cl. 188—228)



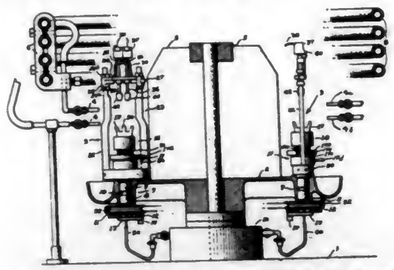
1. A brake beam comprising a channel-like compression member having spaced top and bottom flanges joined by a web, the distance between the longitudinal edges of said flanges at the end portions of the member being less than the height of the inside of said member, a brake head disposed at each end of said member, and a tension rod connected to both heads, each head being provided with a laterally projecting tongue extending into the adjoining end of the compression member in tight engagement therewith, and said head being provided adjacent the outer end of the tongue with vertical projections outside the compression member engaging said edges of the flanges.

2,455,317

TUBE SEALING MACHINE

Gerhard G. Schneider, Maplewood, N. J., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware

Application August 3, 1945, Serial No. 608,786
1 Claim. (Cl. 49—2)



A sealing device for electron tubes of the type having a plurality of contact wires extending from the lower end and a plurality of contact wires extending from the upper end but laterally spaced from the longitudinal central axis of the tube, said device comprising, a holder for the tube said holder having a plurality of recesses to receive the lower end wires and a plurality of spaced but vertically shiftable members to register with and locate the said upper end wires, means to rotate said holder and said tube as a unit, a sealing torch for sealing the lower end of the tube, a sealing torch for simultaneously sealing the upper end of the tube while maintaining the tube in rotation, said shiftable members serving to maintain the original assembled orientation of the lower end wires with respect to the upper wires during the entire sealing and rotation of the tube.

2,455,318

SLED

Isidore Shakowitz, Philadelphia, Pa.

Application October 13, 1947, Serial No. 779,468
1 Claim. (Cl. 280—16)



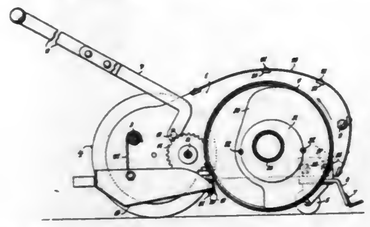
A bobsled comprising a flat top member, a pair of rear runners fixed beneath said top member, a front runner assembly including a pair of front runners, each having an upturned front portion and a horizontally disposed rear portion, an inverted V-brace secured to said rear portion and a horizontal bar secured at one end thereof to said upturned front portion and at the other end to said brace, a front transverse brace secured to each of said bars intermediate the length thereof, a rear transverse brace fixedly connected at the ends thereof to each of said first named braces, an arcuate transverse member connected at the ends thereof to said other ends of said horizontal bars and having a slot extending substantially the length thereof, two forwardly converging upraised steering braces secured at the rear thereof to said horizontal bars and at their front ends to each other and to a transverse steering bar, a pivot pin extending through the forward end of said flat top member rotatably carrying said front transverse brace, a pair of vertically spaced apart forwardly extending steering bar supports pivotally carried at the rear end thereof by said pin and at the other end non-rotatably fixed to said steering bar, and a second pin fixed in said flat top member and adapted to slidably engage in the slot of said arcuate member whereby said front runners are fixed relative to each other and rotatable relative to said top member, and said first and second named pins are effective to convey the load to said front runner assembly.

2,455,319

FLOOR SWEEPING MAGNET DEVICE

Roswell H. Stearns, Wauwatosa, Wis., assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin

Application June 22, 1944, Serial No. 541,601
6 Claims. (Cl. 209—215)



1. A floor sweeping magnet device comprising a frame, supporting wheels revolubly carried by said frame, means for propelling said frame, a revoluble drum, means for causing rotation of said drum in a reverse direction from the direction of rotation of said wheels when said frame travels in one direction, a plurality of magnets located within said drum and having poles in proximity to the inner periphery of said drum adjacent the bottom and at one side of said drum and being spaced from the inner periphery of said drum at the other side of said drum, and a catch pan located adjacent said other side of said drum, said device being arranged to cause the under side of said drum to travel faster over the floor in said one direction than the rate of travel of said device in the said one direction to avoid wedging of magnetic material between the drum and the floor, whereby when said device is propelled across the floor in the said one direction magnetic material is picked up on said drum and delivered to said pan by said drum.

2,455,320

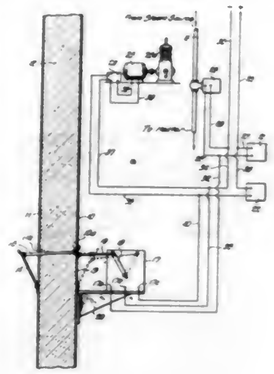
AUTOMATIC CONDENSATION CONTROL APPARATUS

Joseph F. Stephens, Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Company, a corporation of Missouri

Application May 22, 1944, Serial No. 536,742
8 Claims. (Cl. 257—3)

3. In combination, a wall comprising spaced inner and outer panels each having a ventilating opening therein, movable closure plates for said openings, and co-ordinating means for simultaneously actuating said closure plates to open one and close the other, refrigerating means and heating means within the space enclosed by wall; and temperature responsive means coactive with the refrigerating and heating means and said closure plate actuating mechanism to automatically operate the refrigerating means and closure plate actuating mechanism when the temperature at the inside panel exceeds a predetermined maximum, to close the inner panel plate and open the plate in the outer panel, and to automatically op-

erate the heating means and closure plate actuator mechanism when the inside temperature falls



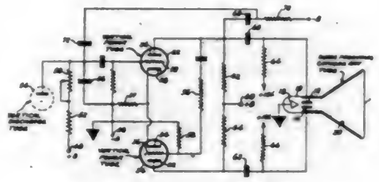
below a predetermined minimum, to close the outer panel plate and open the inner panel plate.

2,455,321

CATHODE-RAY BEAM DEFLECTION SYSTEM

William J. Stolze, Astoria, Long Island, and Earl I. Anderson, Manhasset, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application October 28, 1947, Serial No. 782,490
7 Claims. (Cl. 315—29)



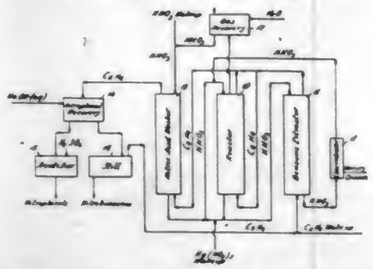
1. In a cathode ray beam deflection circuit of the electrostatic type, wherein the normal sawtooth voltage output of a push-pull amplifier as applied to the field deflection plates of a cathode ray tube is distorted by the use of coupling condensers of small capacity relative to the frequency of field deflection of the cathode ray scanning beam of said cathode ray tube, the combination of a wave-shaping network, a circuit for applying a portion of the normal sawtooth voltage output of said amplifier to said wave-shaping network to thereby produce in the sawtooth voltage output from said network a degree of distortion at least as great as that which normally appears on the said deflecting plates due to the relatively small capacity of said coupling condensers, and a further circuit for applying the distorted sawtooth voltage output from said wave-shaping network to the input of said push-pull amplifier, the distorted sawtooth voltage thus fed back being of such magnitude and phase in the output of said amplifier as to substantially cancel on said deflection plates the distortion produced by the presence of said coupling condensers.

2,455,322

OXYNITRATION OF AROMATIC COMPOUNDS

Wilber Otis Teeters, River Edge, and Max B. Mueller, Dumont, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application September 16, 1944, Serial No. 554,532
8 Claims. (Cl. 260—622)



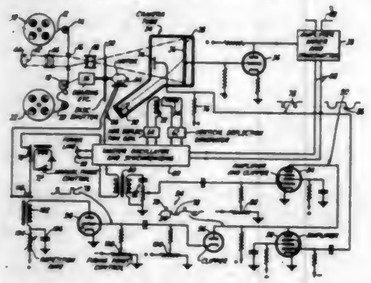
6. A process for the oxynitration of a mononuclear aromatic hydrocarbon which comprises intimately countercurrently contacting the aromatic hydrocarbon in the liquid phase with nitric acid containing from about 45% to about 55% by weight HNO_3 and from about 2% to about 10% by weight mercuric nitrate, and maintaining the reactants in intimate countercurrent contact until the aromatic phase contains at least 10% by weight nitrophenols.

2,455,323

PHASING SYSTEM

Charles L. Townsend, Yonkers, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 22, 1946, Serial No. 678,547
6 Claims. (Cl. 178—7.2)



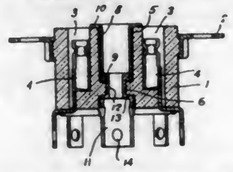
1. In a television transmitter for the transmission of images, said transmitter including a motion picture film, a camera tube having a mosaic electrode, a motion picture projector including mechanism for intermittently moving said film into position whereby optical images of individual film frame areas are projected successively from said film upon said mosaic electrode thereby to develop on said mosaic electrode electrostatic charges, proportional to the intensities of light and shadow on the film frame projected, a synchronous motor for driving said intermittent mechanism, means in said camera tube for developing a cathode ray scanning beam to scan said mosaic electrode and means to cause the said beam to scan the mosaic thereby to produce video output signals, the combination of means responsive to the successive reception of projected optical images on said mosaic electrode for deriving a first voltage variation, means for deriving a second voltage variation having a fixed time relation with the deflection of said cathode ray scanning beam, means for combining said first and second voltage variations so that a control effect is produced when said variations have a predetermined phase relationship indicating a departure from phase identity between the synchronous motor and the deflection of said cathode ray scanning beam, and means to effect a time controlled interruption of the current supplied to said synchronous driving motor under the control of the developed control effect thereby to bring about a change in phasing of said motor with respect to said beam deflection and establish phase identity therebetween.

2,455,324

HOLDER FOR THERMIONIC TUBES

George Wagstaff, Long Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application October 14, 1943, Serial No. 506,295
In Great Britain October 14, 1942
2 Claims. (Cl. 173—328)



2. A holder for thermionic and like valves comprising a body of insulating material provided with an annular series of prong-engaging contacts and a central bore extending therethrough and provided with an inwardly extending annular rim intermediate its ends presenting axially spaced opposed shoulders and a reduced prong-receiving bore, a two-part screening contact mounted in said bore on opposite sides of said rim and comprising a female member having a flange engaging a face of said body and an apertured base engaging one of said shoulders and a male member having a flanged base bearing against an opposite shoulder and a tubular prong-receiving portion extended through said reduced bore and the apertured base of said female member, the terminal end of said tubular prong-receiving portion being upset over the apertured base of said female member to hold said screening contact parts in assembled relation and in engagement with said opposed shoulder of said central bore.

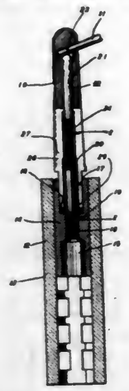
2,455,325

HEAVY-DUTY ELECTRODE HOLDER

Martin Wells, Los Angeles, Calif.

Application January 16, 1946, Serial No. 641,477
13 Claims. (Cl. 219—8)

1. In an electrode holder, the combination of: a handle having at the front end thereof an opening defined by metal wall means, and means for connecting an electrical conductor to said metal wall means; a screw member projecting forwardly from the bottom of said opening; a metal body having a threaded opening to receive said screw member, said body having rod clamping means thereon actuated by the turning of said screw member in the threads of said opening; metal connecting parts extending from said body into said opening; and means engaging said metal connecting parts and said screw, receiving force from said screw and applying the same to said metal connecting parts to force the same into pressural engagement with said metal wall means



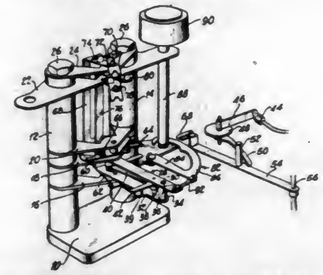
of said handle when said screw member actuates said rod clamping means.

2,455,326

MECHANISM FOR MOVING MOVABLE MEMBERS

Hoel L. Bowditch, Sharon, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Application April 9, 1946, Serial No. 660,644
8 Claims. (Cl. 74—10)



1. Mechanism for moving a movable member comprising, in combination, a fixed pivot, a lever effectively connected to said member, said lever having a slot in one end thereof adapted to engage said fixed pivot and having at its other end an arcuate arm, the center of curvature of which is approximately coincident with the center of said pivot and a rotatable shaft engaging the inner edge of said arcuate arm and so positioned with respect to said pivot as to distort said lever slightly, whereby the natural resilience of said lever holds said arcuate arm against said shaft and holds the slotted end of said lever in engagement with said pivot.

2,455,327

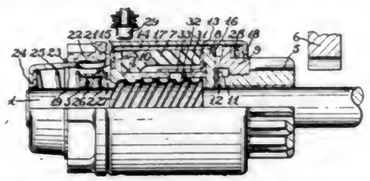
ENGINE STARTER GEARING

James E. Buxton, Elmira, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware

Application November 27, 1946, Serial No. 712,546
9 Claims. (Cl. 74—7)

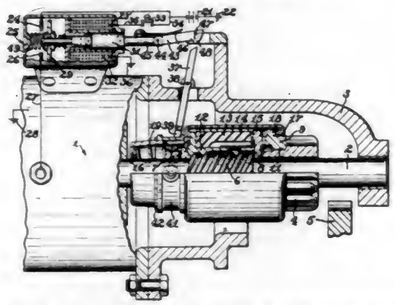
1. In an engine starter drive, a power shaft, a screw shaft fixed thereon, a pinion slidably journalled on the power shaft for movement into and out of mesh with an engine gear, a control nut

having a radial flange threaded on the screw shaft, a driving clutch member slidably journalled on the power shaft, a cylinder of elastically deformable material seated on the control nut against said flange, a barrel member surrounding the control nut and clutch member and main-



taining the elastic cylinder under compression therebetween, a driven clutch member fixed to the pinion and means including an outer barrel member having abutment means for engaging the end of the screw shaft and limiting the longitudinal movement of the pinion.

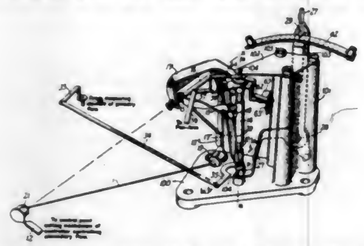
2,455,328
ENGINE STARTER GEARING AND CONTROL
James E. Buxton, Elmira, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware
Application September 2, 1947, Serial No. 771,775
5 Claims. (Cl. 290—38)



1. In an engine starter drive a starting motor, means for energizing the starting motor including a magnetic starting switch having a reciprocable plunger, a power shaft rotated by the starting motor, a pinion slidably journalled thereon for movement into and out of mesh with a gear of an engine to be started, means for actuating the pinion from the power shaft including a control nut having a threaded connection to the power shaft, a yielding driving connection from the control nut to the pinion including an overrunning clutch; a pivoted yoke member connected to the barrel so as to swing about its pivot as the pinion moves into and out of mesh with the engine gear, and a latch member connected to the switch plunger and arranged to engage and hold the yoke member, barrel and pinion in meshing position when the starting switch is closed.

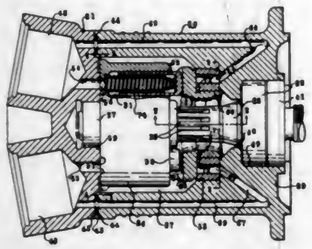
2,455,329
MECHANICAL LINKAGE
Lyman Cook, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application November 22, 1943, Serial No. 511,381
6 Claims. (Cl. 74—1)

1. In a lever and linkage system of the character described for transmitting the motion of a first element to a second element in accordance with an adjustable ratio, a rotatable member connected to said first element and pivotally mounted to rotate about a fixed axis to positions corresponding to positions of the first element, a crank lever pivotally mounted upon said rotatable member to rotate about a movable axis angularly disposed in relation to said fixed axis, said crank having a driving arm and a positionable arm, each of which arms has a mechanical connection point, a ratio adjusting member mounted for adjustment along a path effectively parallel to said fixed axis, a first connecting member for mechanically connecting the connecting point of said positionable arm and said ratio adjusting mem-



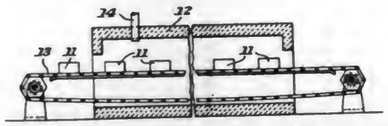
ber positively to pivot said crank about said movable axis as said ratio adjusting member is adjusted along said path but to leave said positionable arm free to revolve about the fixed axis, whereby the connecting point of said driving arm is movable toward and away from said fixed axis as said adjusting member is moved along said path but is free to rotate about said fixed axis, and second connecting means for mechanically connecting the connecting point of said driving arm to said second element whereby a given movement of said rotatable member by said first element moves the connecting point of said driving arm and the second element a proportionate amount determined by the setting of said ratio adjusting member along said path.

2,455,330
HYDRAULIC APPARATUS
William C. Denison, Jr., Delaware, Ohio
Application November 20, 1942, Serial No. 466,374
8 Claims. (Cl. 103—162)



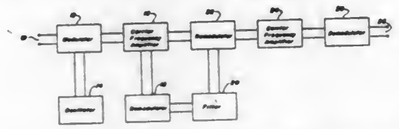
1. A fluid pressure energy translating device comprising in combination, a casing having spaced opposed bearing surfaces, said surfaces being provided with registering ports; fluid passages in said casing establishing continuous communication between the registering ports; means disposed in said casing for rotation between said bearing surfaces, said means having a rotor with a face contacting one of said bearing surfaces, said rotor having a chamber with a port opening to said face and registering with the openings in the contacting bearing surface upon rotation of said rotor; an element disposed for reciprocation in the chamber in said rotor; and an inclined thrust member engaging said element and having a surface in contact with the other of said opposed bearing surfaces.

2,455,331
METHOD OF ENAMELING
Joseph C. Eckel, Ingram, and Hugh E. Romine, Crafton, Pa.
Application October 24, 1944, Serial No. 560,183
4 Claims. (Cl. 117—53)



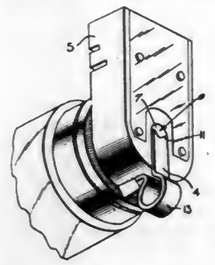
4. In a method of enameling in which an article is made from conventional ferrous enameling stock having a carbon content of from .010% to .25% and in which the article is approximately in its final shape, the steps including, cleaning the article with a cleaning solution and drying it to prepare the ferrous surface thereof for enameling, then heating the article to a temperature between about 1100 degrees F. and about 1400 degrees F. in a decarburizing atmosphere containing free hydrogen and water vapor and effective to inhibit oxidation of and to decarburize the ferrous metal surface, maintaining the article at such temperature and in such atmosphere for a period of time between about 5 and 30 minutes until its ferrous surface has been freed from gas-forming constituents such as iron carbide, gradually cooling the article in a non-oxidizing atmosphere substantially to atmospheric temperature, applying directly to the surface of the article a layer of light-colored finish-coat vitreous enamel frit containing an opacifier, and heating the article thus coated to a temperature sufficient to convert the frit into a coat of fused enamel.

2,455,332
WIDE-RANGE AUDIO-FREQUENCY AMPLIFIER
Donald G. C. Hare, Roslyn, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application March 21, 1946, Serial No. 655,986
4 Claims. (Cl. 179—171)



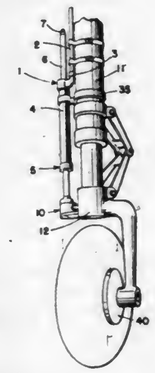
1. In an amplifier, comprising: means for modulating a stable carrier with an input signal, including input terminals; first amplifying means for amplifying the output of said modulating means; means for demodulating a portion of the output of said first amplifying means; means for remodulating the remaining portion of the output of said first amplifying means by the output of said demodulating means; second amplifying means for amplifying the output of said remodulation means; and second demodulating means for demodulating the output of said second amplifying means, including output terminals.

2,455,333
FLUORESCENT LAMP LOCKING DEVICE
Milton A. Harris, Gloucester, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application September 22, 1943, Serial No. 503,590
1 Claim. (Cl. 173—328)



The combination of a holder for fluorescent lamps having pins extending from the ends thereof and comprising a body member having a front face and a rear face, said front face being provided with a centrally disposed lamp-pin receiving recess and a slot extending from the periphery of said front face to said recess, a stud extending from the rear of said body member into the lamp-pin receiving recess, said stud being hollowed from the rear end thereof and along its longitudinal axis, and a safety device comprising an arm, a flange disposed at one end of said arm and substantially perpendicular thereto and adapted to fit into the hollowed portion of said stud, and a second arm connected at one end thereof to the other end of said first-mentioned arm and extending substantially perpendicular thereto and across the slot in the front face of the lamp holder body member.

2,455,334
CONSTANT VOLUME EXPANSIBLE BRAKE LINE
Thomas C. Hill, Parkville, and William A. Schmidt, Middle River, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application December 30, 1944, Serial No. 570,680
1 Claim. (Cl. 244—111)



In a hydraulic braking system comprising a slidable unit having a movable fluid tight fitting formed with an aperture and provided with seal-

ing means, an outer tubular member formed with open ends, one of which is secured in the aperture of said fitting, an inner tubular member positioned inside of the outer member with the ends thereof extending beyond the ends of said outer tubular member, the tubular members being proportioned to provide an annular chamber between said outer and inner tubular members, a fluid pressure passage formed in said fitting extending from the exterior thereof and opening into the interior of said annular chamber, sealing means positioned within said fitting and said outer tubular member sealing the ends of said annular chamber, a closure means on one end of said inner tubular member, an orifice in the wall of said inner tubular member forming a passage from said annular chamber into the interior of said inner tubular member, a rotatable fluid tight fitting provided with an aperture to receive the open end of said inner tubular member and a passage extending from the interior of said inner tubular member to the exterior of said rotatable fitting.

2,455,335
CENTRIFUGALLY OPERATED ELECTRIC GOVERNOR
John T. Janette, Kenilworth, Ill., assignor to Janette Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 2, 1945, Serial No. 586,167
5 Claims. (Cl. 201—50)



1. The combination with a motor having a shaft, of a governor plate mounted on the shaft at a right angle thereto and rotating with the shaft, a contact arm pivotally mounted on the plate and vibrating in a plane parallel to the face of the plate, a spring having its outer end secured to the free end of the arm and extending toward the pivot, a contact carried by the free end of the spring, a second contact adapted to coact with said contact, means for supporting the second contact whereby it is insulated from the first contact, a stop for limiting the movement of the arm, a spring tending to urge the arm toward the stop, means for adjusting the tension on the last named spring, a governor weight and means for adjustably connecting the weight to the arm whereby it may be adjusted laterally with respect to the arm the arrangement being such that when the shaft is rotated, centrifugal force will act on the first named spring and the contact carried thereby tending to close the contacts and thereafter to vary the pressure between the contacts.

2,455,336
DELAY ACTION INITIATOR FOR EXPLOSIVE CHARGES
Elwyn Jones, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application July 26, 1944, Serial No. 546,666
In Great Britain February 15, 1943
1 Claim. (Cl. 102—27)

A hand operated delay action initiator comprising a detonator tube, an explosive charge therein, in juxtaposition thereto a delay tube containing a delay composition, an ignition tube containing a co-axially perforated match composition and a friction ignition member passing through said perforation, said member having one end fastened to a slidable sheath surrounding said ignition tube, a portion of said member



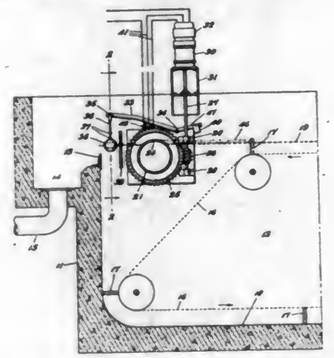
being frictionally ineffective, venting means in said ignition tube, said venting means being uncovered only when the effective portion of said friction member contacts said match composition, safety means to prevent accidental sliding of said sheath, and an external flame shield surrounding said ignition tube.

2,455,337
ADDITION AGENT FOR LUBRICANTS
William A. Jones, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application August 7, 1945, Serial No. 609,489
4 Claims. (Cl. 252—56)

1. A lubricating composition comprising a major proportion of an oil of lubricating viscosity and from about .01% to10% of the product produced by contacting with a solid adsorbent a petroleum oil substantially free of naphthenes and naphthenic acids, having a S. S. U. viscosity within the range of about 50 seconds at 100° to about 200 seconds at 210° F. and a viscosity index of not less than 80, washing the adsorbent material with naphtha, dissolving from the adsorbent material the resinous material deposited thereon which is soluble in chloroform, and esterifying such recovered resinous material with an organic hydroxy compound selected from the class consisting of alcohol and phenol.

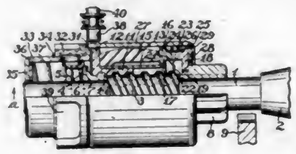
2,455,338
SCUM REMOVING APPARATUS
Arthur C. Lind, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 12, 1946, Serial No. 647,133
9 Claims. (Cl. 210—51)

1. In apparatus for removing scum from the surface of a body of liquid in a chamber, the depth of which liquid may fluctuate with resultant variations of the surface level thereof: the combination of a scum receiver having an admission port; means for mounting said receiver in the chamber for movements whereby to vary the position of said port relative to the normal surface level of the liquid; and mechanism for automatically maintaining a substantially constant relationship between said admission port and the surface level of the body of liquid throughout all normal variations of said level, said mechanism comprising power driven means connected to the



receiver for moving the same in opposite directions at will; a control device for said power driven means, adapted to start, stop and reverse the same; and members for actuating said control device whereby to initiate and stop movements of the receiver, one of said members being responsive to said depth fluctuations of the liquid, and another to said receiver movement.

2,455,339
ENGINE STARTER GEARING
Donald L. Miller, Pine City, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware
Application November 27, 1946, Serial No. 712,544
8 Claims. (Cl. 74—7)



1. In an engine starter drive, a power shaft, a screw shaft fixed thereon, a pinion slidably journalled on the power shaft for longitudinal movement into and out of mesh with a gear of an engine to be started, a control nut threaded on the screw shaft, means for actuating the pinion from the control nut including an elastically deformable member, a driving clutch member in frictional engagement with the elastic member, means for holding the elastic member compressed between the control nut and driving clutch member, a driven clutch member fixed to the pinion, means including a barrel member limiting the travel of the pinion and driven clutch member toward meshing position, means for arresting the demeshing movement of the barrel and control nut, and anti-drift means effective on release of said arresting means for pressing the clutch members together and urging the parts toward idle position.

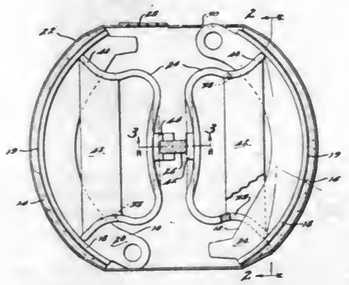
2,455,340
CRIB AND BED GUARD
Barbara Newman, Forest Hills, N. Y.
Application November 6, 1947, Serial No. 784,422
6 Claims. (Cl. 5—331)

5. An attachable and detachable crib guard for extending the height of its side fence comprising a pair of plates adapted to embrace the top rail of said fence, bolts penetrating said plates above and below said rail for securing said plates to each other in compressment of said rail



to maintain the plates in extension above the rail, and an elongated bar engaging upper portions of said plates and supported thereby above the said top rail of said crib fence in the path of movement thereover.

2,455,341
CLAMP FOR BONDING BRAKE LINING TO BRAKE SHOES
Seymour Gordon Saunders, Bloomfield Hills, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 19, 1947, Serial No. 735,785
11 Claims. (Cl. 154—1)

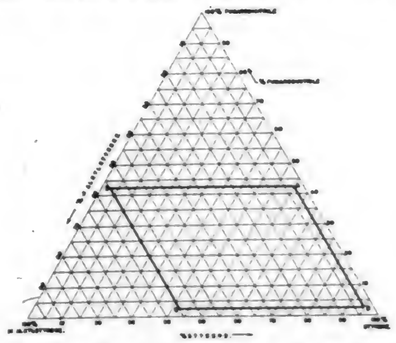


1. A clamp comprising an endless strap adapted to encircle a pair of diametrically opposed brake shoes having brake lining segments associated therewith, means for expanding the brake shoes against said segments while said segments are prevented from expanding by said strap, said means including members adapted to engage said brake shoes, and a wedge adapted to be driven between said members to separate said members.

2,455,342
COPOLYMERS OF FUMARODINITRILE AND STYRENES
Raymond B. Seymour, Chattanooga, Tenn., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application December 9, 1947, Serial No. 790,681
12 Claims. (Cl. 260—78.5)

1. A solid, resinous material formed by heating a mixture consisting of fumarodinitrile, alpha-methylstyrene and styrene in the relative

proportions such that the three ingredients lie within the area defined approximately in the ac-



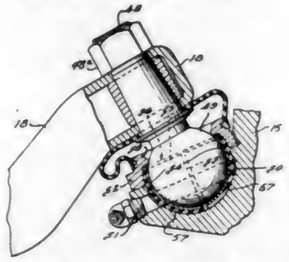
companying Fig. 1 by the solid lines AB, BC, CD, and DA.

2,455,343

JOINT

Frederic W. Slack, Detroit, and Chester C. Utz, Magnolia, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application April 11, 1945, Serial No. 587,746
6 Claims. (Cl. 287—87)



1. A universal joint comprising a first member having a ball portion, a second member having a socket and a lubricant groove extending about the socket, a lubricant fitting mounted in the second member in communication with the lubricant groove, a rubber shell formed of mating parts and mounted in the socket, and a metal bearing shell formed of mating parts and mounted in the rubber shell and receiving the ball portion of the first member for relative sliding movement, the mating parts of the rubber shell being arranged with a slight space between one another, the mating parts of the metal bearing shell being arranged with a slight space between one another, the aforesaid spaces being in registration with one another and intersecting the lubricant groove in the socket for providing access of lubricant from the groove to between the metal bearing shell and the ball portion of the first member.

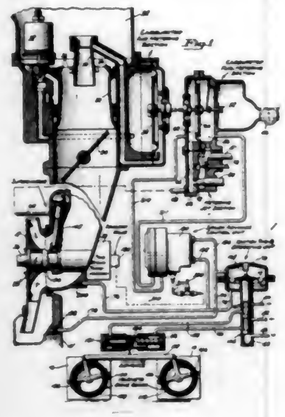
2,455,344

IGNITION CONTROL

Dana B. Waring, East Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application June 25, 1945, Serial No. 601,437
8 Claims. (Cl. 123—117)

1. In an engine ignition timing mechanism, a first source of fluid pressure, a second source of fluid pressure, means responsive to fluid pressure from said first source for advancing the ignition timing, means responsive to fluid pressure from said second source for retarding said tim-



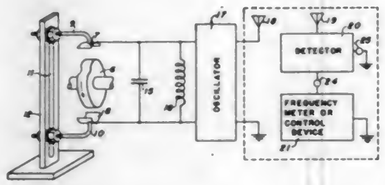
ing, and fluid pressure responsive means independent of said fluid pressures from said first and second sources for controlling said timing in accordance with variations in an engine operating condition.

2,455,345

CAPACITIVE ANGULAR VELOCITY MEASURING DEVICE

Bob E. Watt, Boston, Mass., assignor to the United States of America as represented by the Secretary of the Navy

Application May 21, 1946, Serial No. 671,181
3 Claims. (Cl. 175—183)



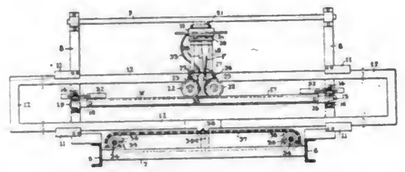
1. In a system for measuring the angular velocity of a rotating object of known unbalanced characteristics without making any electrical connections thereto, said system having an oscillator to be modulated, means for detecting the modulated output of said oscillator, and frequency responsive means connected to the output end of said detecting means; a speed sensing device comprising a resonant circuit for modulating the output of said oscillator, said circuit comprising a variable capacitor having opposite terminals and stationary plates connected to said terminals, respectively, said plates being so spaced and positioned as to be respectively on diametrically opposite sides of any rotating object undergoing test and free from any mechanical or electrical connection therewith, whereby irregularities in the shape of said object periodically vary the capacity of said capacitor.

2,455,346

WELDER FOR WIRE MESH FABRICS

Charles C. Wickwire, Cortland, N. Y., assignor to Wickwire Brothers, Inc., Cortland, N. Y., a corporation of New York

Application July 20, 1948, Serial No. 39,785
6 Claims. (Cl. 219—4)



1. In a fabric-welding machine including a welding circuit, the combination of a bar electrode forming part of said circuit; means for positioning a warp made up of a plurality of wires in a chosen spaced relation on said electrode with the warp wires extending transversely of the electrode; a movable electrode carrier; means for guiding said carrier in a path parallel with said bar electrode and spaced therefrom; means for reciprocating said carrier in said path with an amplitude somewhat exceeding the width of said warp; a pair of spaced, alined roller electrodes journaled on parallel axes on said carrier so that their rolling peripheries are opposed to said bar electrode and are spaced therefrom sufficiently to pass over the warp supported by the bar electrode; means for supplying a continuous weft wire to the interval between said roller electrodes, so that it will be engaged by the trailing one of said roller electrodes and progressively rolled into contact with successive warp wires; switching means for selectively interposing said roller electrodes in said welding circuit; and means effective as an incident to reversal of motion of said carrier to shift said switch means, the arrangement being such that the trailing electrode is interposed in the circuit and serves to weld the weft to the warp as it rolls it into position thereon.

DESIGNS

NOVEMBER 30, 1948

151,864
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Claude Arpels, New York, N. Y.
Application April 27, 1948, Serial No. 145,984
Term of patent 3½ years
(Cl. D45—19)



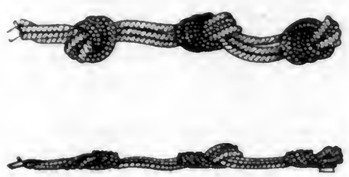
The ornamental design for a brooch or similar article, substantially as shown.

151,865
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Claude Arpels, New York, N. Y.
Application April 27, 1948, Serial No. 145,986
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,866
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Claude Arpels, New York, N. Y.
Application April 27, 1948, Serial No. 145,988
Term of patent 3½ years
(Cl. D45—4)



The ornamental resign for a bracelet or similar article, substantially as shown.

151,867
DESIGN FOR AN EARRING
Henry Bogoff, Chicago, Ill., assignor to Spear Novelty Co., Chicago, Ill., a co-partnership
Application May 4, 1948, Serial No. 146,165
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

151,868
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Henry Bogoff, Chicago, Ill., assignor to Spear Novelty Co., Chicago, Ill., a co-partnership
Application August 13, 1948, Serial No. 148,105
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,869
DESIGN FOR A LINK BRACELET
Herman Bogoff, Chicago, Ill.
Application February 4, 1948, Serial No. 144,250
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a link bracelet, as shown and described.

151,870
DESIGN FOR A SLIPPER
Elizabeth K. Bradley, New York, N. Y., assignor to Benjamin D. Gilbert, Stamford, Conn.
Application May 25, 1948, Serial No. 146,570
Term of patent 14 years
(Cl. D7—7)



The ornamental design for a slipper, substantially as shown and described.

151,871
DESIGN FOR RAVIOLI
Charles J. Carapellotti, Philadelphia, Pa.
Application November 6, 1947, Serial No. 142,336
Term of patent 3½ years
(Cl. D8—1)



The ornamental design for ravioli, as shown.

151,872
DESIGN FOR A WATER COMPASS SUNDIAL
John F. Carssow, Los Angeles, Calif., assignor to Rudolf B. Carssow and Harriet F. Carssow, both of San Antonio, Tex.
Application April 10, 1948, Serial No. 145,641
Term of patent 14 years
(Cl. D42—7)



The ornamental design for a water compass sun dial, substantially as shown.

151,873
DESIGN FOR A DOOR KNOCKER
Herbert Cohn, Baltimore, Md.
Application March 26, 1946, Serial No. 127,952
Term of patent 14 years
(Cl. D10—7)



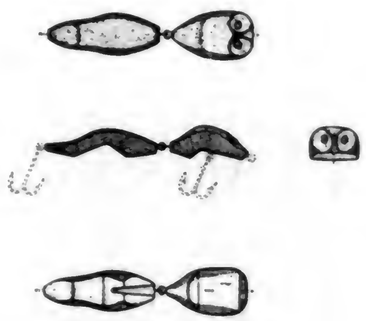
The ornamental design for a door knocker, substantially as shown.

151,874
DESIGN FOR A TIE CLASP
Charles W. Cole, Los Angeles, Calif.
Application September 23, 1946, Serial No. 133,513
Term of patent 14 years
(Cl. D17—10)



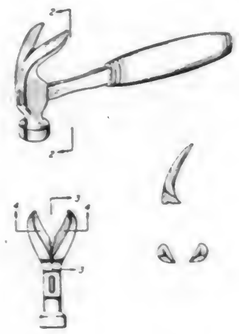
The ornamental design for a tie clasp, as shown and described.

151,875
DESIGN FOR A FISHING LURE
Glenn J. Crabdree, Farmington, Mo.
Application December 14, 1946, Serial No. 135,521
Term of patent 3½ years
(Cl. D31—4)



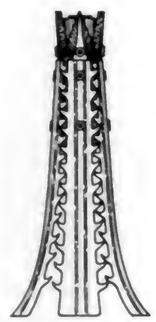
The ornamental design for a fishing lure, substantially as shown.

151,876
DESIGN FOR AN INSULATOR APPLYING AND REMOVING HAMMER
Harley W. Edwards, Groton, Vt.
Application September 17, 1947, Serial No. 141,451
Term of patent 14 years
(Cl. D93—4)



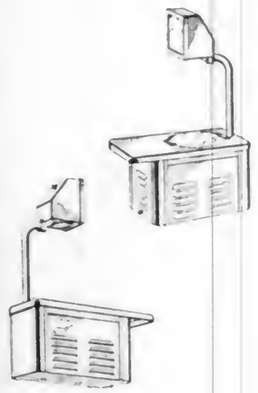
The ornamental design for an insulator applying and removing hammer, as shown.

151,877
DESIGN FOR A LAMP STANDARD OR SIMILAR ARTICLE
Darrett S. Erwin, Sarasota, Fla.
Application August 23, 1947, Serial No. 141,036
Term of patent 7 years
(Cl. D48—20)



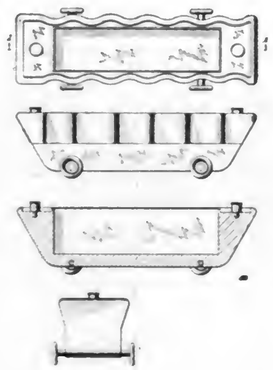
The ornamental design for a lamp standard or similar article, as shown and described.

151,878
DESIGN FOR A PROJECTOR FOR HANDLING TRANSPARENT PLATES
Harold G. Fitz Gerald, Los Angeles, Calif.
Application August 20, 1947, Serial No. 140,966
Term of patent 14 years
(Cl. D61—1)



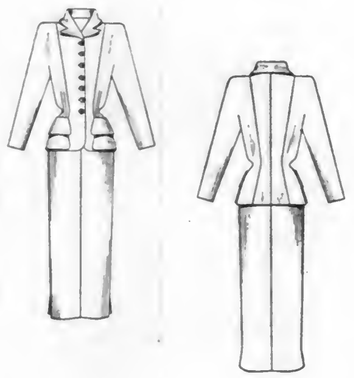
The ornamental design for a projector for handling transparent plates, as shown.

151,879
DESIGN FOR A TOY WHEELED BARGE
Louise M. Jones Foulke, Brooklyn, N. Y.
Application May 23, 1947, Serial No. 139,238
Term of patent 14 years
(Cl. D34—15)



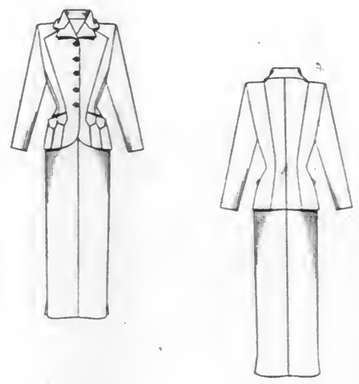
The ornamental design for a toy wheeled barge, as shown.

151,880
DESIGN FOR A SUIT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application May 8, 1948, Serial No. 146,234
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

151,881
DESIGN FOR A SUIT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application May 8, 1948, Serial No. 146,235
Term of patent 3½ years
(Cl. D3—4)



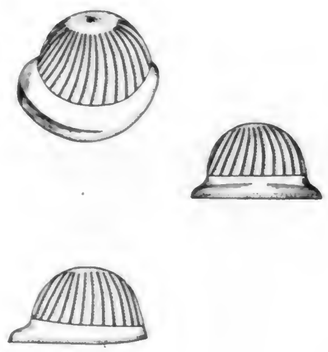
The ornamental design for a suit, substantially as shown.

151,882
DESIGN FOR A HAT OR SIMILAR ARTICLE
Max Friedman, New York, N. Y.
Application May 22, 1947, Serial No. 139,215
Term of patent 14 years
(Cl. D3—13)



The ornamental design for a hat or similar article, substantially as shown.

151,883
DESIGN FOR A HAT OR SIMILAR ARTICLE
Max Friedman, New York, N. Y.
Application May 22, 1947, Serial No. 139,216
Term of patent 14 years
(Cl. D3—13)



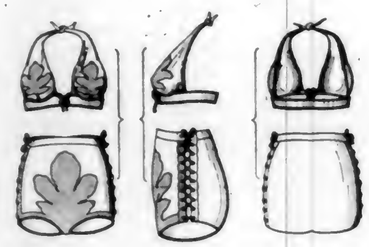
The ornamental design for a hat or similar article, substantially as shown.

151,884
DESIGN FOR A CONTAINER FOR PERFUMED BATH TABLETS OR THE LIKE
Elizabeth N. Graham, New York, N. Y.
Application April 11, 1947, Serial No. 138,297
Term of patent 14 years
(Cl. D58—11)



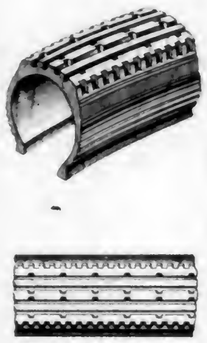
The ornamental design for a container for perfumed bath tablets or the like, substantially as shown and described.

151,885
DESIGN FOR A BATHING SUIT
Josef N. Hamilton, Bellingham, Wash.
Application September 17, 1946, Serial No. 133,376
Term of patent 3½ years
(Cl. D3—17)



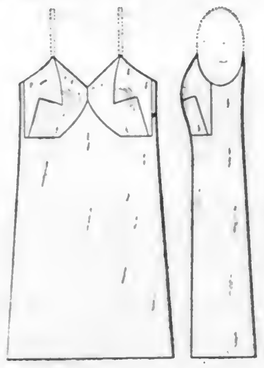
The ornamental design for a bathing suit, as shown.

151,886
DESIGN FOR A TIRE
William Edward Hardeman, Solihull, and Samuel Charles Parker, Erdington, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application December 21, 1946, Serial No. 135,680
In Great Britain July 26, 1946
Term of patent 14 years
(Cl. D90—20)



The ornamental design for a tire, as shown and described.

151,887
DESIGN FOR A SLIP
Karl Kaplan, New York, N. Y.
Application April 1, 1947, Serial No. 138,096
Term of patent 14 years



(Cl. D3—26)
The ornamental design for a slip, substantially as shown and described.

151,888
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,586
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,889
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,587
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article substantially as shown.

151,890
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,590
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,891
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,595
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,892
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,596
Term of patent 7 years
(Cl. D45—19)



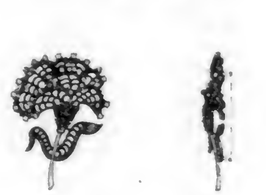
The ornamental design for a brooch or similar article, substantially as shown.

151,893
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,600
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,894
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,602
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,895
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,604
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,896
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 15, 1948, Serial No. 147,605
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,897
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1948, Serial No. 147,683
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,898
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 22, 1948, Serial No. 147,715
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,899
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 22, 1948, Serial No. 147,717
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,900
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 22, 1948, Serial No. 147,718
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

151,901
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I.
Application July 24, 1948, Serial No. 147,755
Term of patent 7 years
(Cl. D45—16)



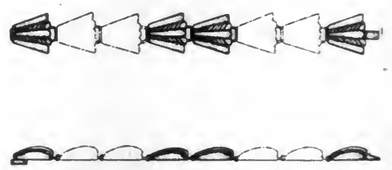
The ornamental design for a necklace or similar article, substantially as shown and described.

151,902
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 29, 1948, Serial No. 147,828
Term of patent 7 years
(Cl. D45—19)



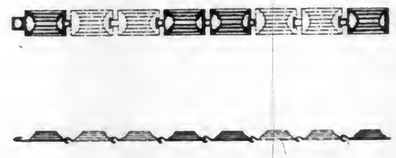
The ornamental design for a separable brooch or similar article, substantially as shown.

151,903
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I.
Application July 29, 1948, Serial No. 147,831
Term of patent 7 years
(Cl. D45—4)



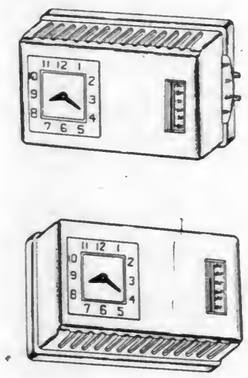
The ornamental design for a bracelet or similar article, substantially as shown and described.

151,904
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I.
Application August 14, 1948, Serial No. 148,125
Term of patent 7 years
(Cl. D45—4)



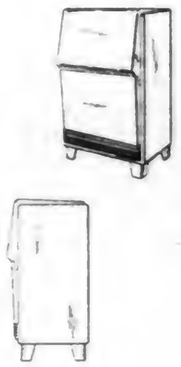
The ornamental design for a bracelet or similar article, substantially as shown and described.

151,905
DESIGN FOR A CLOCK THERMOSTAT
Carl G. Kronmiller, Edina, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 14, 1947, Serial No. 138,361
Term of patent 14 years
(Cl. D52—7)



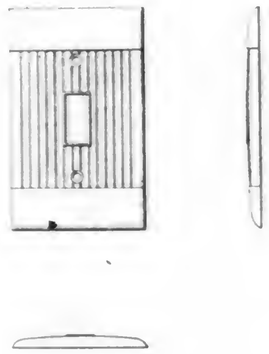
The ornamental design for a clock thermostat, substantially as shown.

151,906
DESIGN FOR A SPACE HEATER
Dwight La Barre, near Pontiac, and Theodore Ornas, Ferndale, Mich., assignors to Air-O-Tomic, Inc., Detroit, Mich., a corporation of Michigan
Application February 8, 1947, Serial No. 136,790
Term of patent 3½ years
(Cl. D81—19)



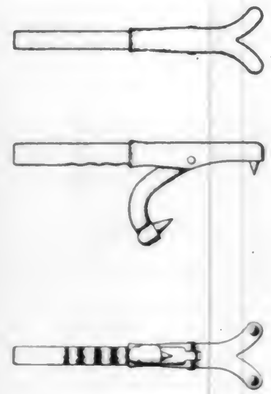
The ornamental design for a space heater, substantially as shown and described.

151,907
DESIGN FOR A SWITCH ESCUTCHEON
James D. McDonald, Los Angeles, Calif.
Application June 29, 1946, Serial No. 131,201
Term of patent 14 years
(Cl. D26—13)



The ornamental design for a switch escutcheon, as shown.

151,908
DESIGN FOR PULPWOOD TONGS OR SIMILAR ARTICLE
Maurice M. McElderry, Duluth, Minn.
Application May 24, 1947, Serial No. 139,250
Term of patent 14 years
(Cl. D93—4)



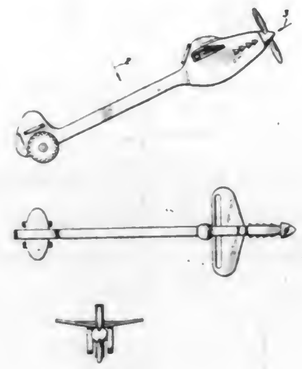
The ornamental design for pulpwood tongs or similar article, as shown.

151,909
DESIGN FOR A BOTTLE
Ladislas Medgyes, New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application April 30, 1947, Serial No. 138,698
Term of patent 7 years
(Cl. D58—9)



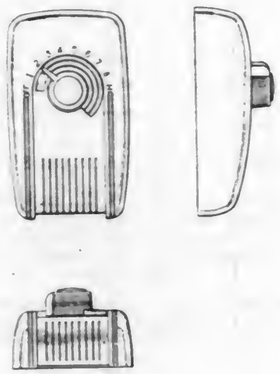
The ornamental design for a bottle, as shown.

151,910
DESIGN FOR A RIDING STICK TOY
Adrien R. Mellor, Loma Linda, Calif.
Application June 11, 1947, Serial No. 139,583
Term of patent 7 years
(Cl. D34—15)



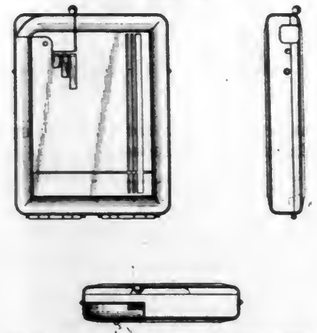
The ornamental design for a riding stick toy, as shown.

151,911
DESIGN FOR AN ELECTRICAL SWITCHING DEVICE OR SIMILAR ARTICLE
Harry E. Metz, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application March 3, 1947, Serial No. 137,284
Term of patent 7 years
(Cl. D26—13)



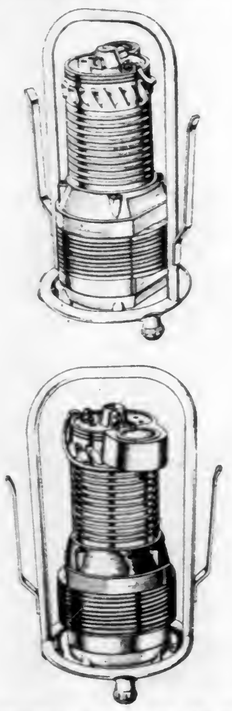
The ornamental design for an electrical switching device or similar article, substantially as shown.

151,912
DESIGN FOR A COMBINED CIGARETTE CASE AND LIGHTER
James P. Partlow, Youngstown, Ohio
Application February 12, 1946, Serial No. 126,508
Term of patent 7 years
(Cl. D48—27)



The ornamental design for a combined cigarette case and lighter, as shown and described.

151,913
DESIGN FOR AN ELECTRIC MOTOR GENERATOR
Edward J. Petry, Jefferson City, Mo.
Application May 8, 1947, Serial No. 138,903
Term of patent 14 years
(Cl. D26—5)



The ornamental design for an electric motor generator, as shown.

151,914
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 29, 1948, Serial No. 147,823
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,915
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 17, 1948, Serial No. 148,144
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,916
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 17, 1948, Serial No. 148,145
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,917
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 17, 1948, Serial No. 148,146
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,918
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 19, 1948, Serial No. 148,181
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

151,919
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 19, 1948, Serial No. 148,182
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

151,920
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 21, 1948, Serial No. 148,241
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

151,921
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 21, 1948, Serial No. 148,242
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

151,922
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 21, 1948, Serial No. 148,243
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

151,923
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 21, 1948, Serial No. 148,244
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

151,924
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 24, 1948, Serial No. 148,272
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,925
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 27, 1948, Serial No. 148,324
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

151,926
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 27, 1948, Serial No. 148,326
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article substantially as shown.

151,927
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 27, 1948, Serial No. 148,327
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,928
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 27, 1948, Serial No. 148,328
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,929
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 27, 1948, Serial No. 148,329
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,930
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 27, 1948, Serial No. 148,330
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,931
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 31, 1948, Serial No. 148,381
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,932
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 31, 1948, Serial No. 148,382
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,933
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 31, 1948, Serial No. 148,383
Term of patent 7 years
(Cl. D45—19)



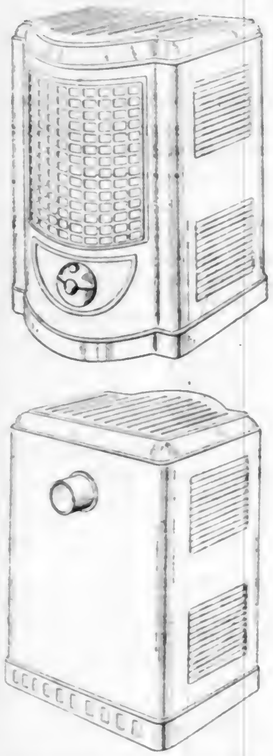
The ornamental design for a brooch or similar article, substantially as shown.

151,934
DESIGN FOR A BRASSIÈRE
Henry M. Plehn, New York, N. Y.
Application January 29, 1948, Serial No. 144,129
Term of patent 14 years
(Cl. D20—4)



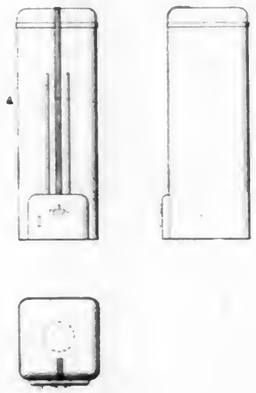
The ornamental design for a brassière as shown.

151,935
DESIGN FOR A HEATER CASING
Richard M. Pyle, Dallas, Tex.
Application January 21, 1948, Serial No. 143,944
Term of patent 7 years
(Cl. D81—19)



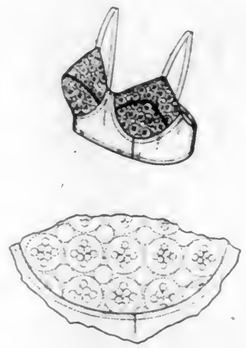
The ornamental design for a heater casing, substantially as shown.

151,936
DESIGN FOR A WATER HEATER CASING
David L. Raymond, South Euclid, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application January 3, 1947, Serial No. 135,915
Term of patent 14 years
(Cl. D81—2)



The ornamental design for a water heater casing, as shown and described.

151,937
DESIGN FOR A BRASSIÈRE
Samuel J. Reiner, New York, N. Y.
Application April 23, 1947, Serial No. 138,559
Term of patent 3½ years
(Cl. D20—4)



The ornamental design for a brassière, substantially as shown and described.

151,938
DESIGN FOR A NECKLACE
Harry Reinstein, Rye, N. Y.
Application August 26, 1948, Serial No. 148,309
Term of patent 7 years
(Cl. D45—16)



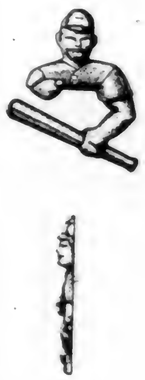
The ornamental design for a necklace, as shown and described.

151,939
DESIGN FOR A NECKLACE
Harry Reinstein, Rye, N. Y.
Application August 26, 1948, Serial No. 148,310
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace, as shown and described.

151,940
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alexander Rose, New York, N. Y., assignor of one-half to James M. D'Arcy, Brooklyn, N. Y.
Application November 21, 1947, Serial No. 142,714
Term of patent 3½ years
(Cl. D45—19)



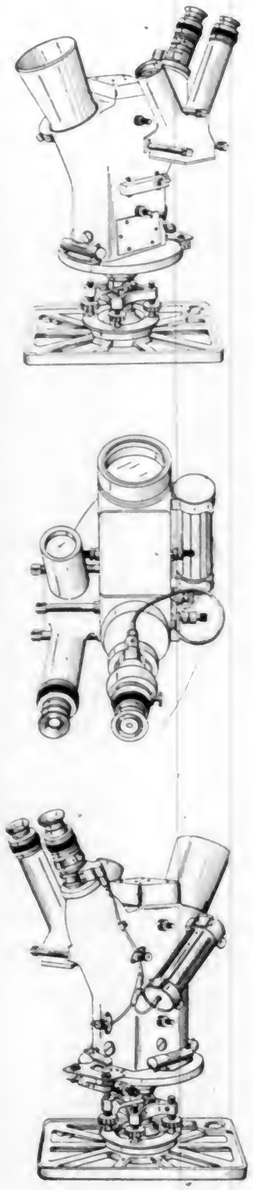
The ornamental design for a brooch or similar article, substantially as shown.

151,941
DESIGN FOR A SLIP
Leo Rose, Lawrence Myers, and Moses Richter, Mount Gilead, N. C., assignors to United Mills Corporation, a corporation of North Carolina
Application September 23, 1947, Serial No. 141,544
Term of patent 14 years
(Cl. D3—26)



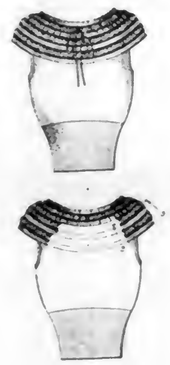
The ornamental design for a slip, as shown.

151,942
DESIGN FOR AN ASTROLABE
Charles O. Rothweiler, Milwaukee, Wis.
Application March 4, 1947, Serial No. 137,348
Term of patent 14 years
(Cl. D57—1)



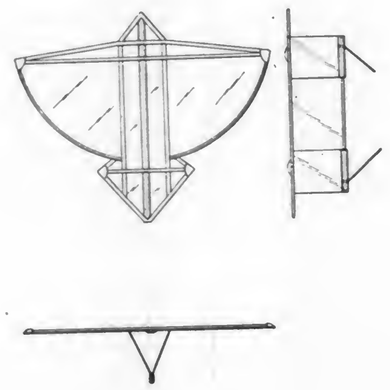
The ornamental design for an astrolabe, as shown.

151,943
DESIGN FOR A KNITTED SWEATER
Bernard Sapin, New York, N. Y.
Application January 28, 1948, Serial No. 144,113
Term of patent 14 years
(Cl. D3—4)



The ornamental design for a knitted sweater, substantially as shown.

151,944
DESIGN FOR A KITE
George E. Shackelford, West Columbia, Tex.
Application December 6, 1946, Serial No. 135,312
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a kite, as shown.

151,945
DESIGN FOR A JAR
Frasier Smith, Wheeling, W. Va., assignor to Jewett & Sherman Co., Inc., Milwaukee, Wis., a corporation of Wisconsin
Application July 2, 1947, Serial No. 140,061
Term of patent 14 years
(Cl. D58—25)



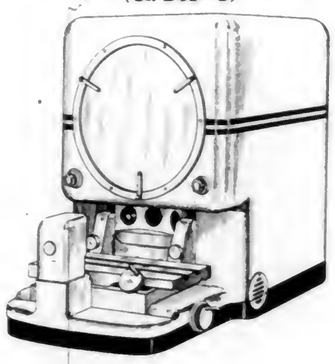
The ornamental design for a jar, as shown.

151,946
DESIGN FOR A TABLE LIGHTER
Herman G. Treiss, Brooklyn, N. Y., assignor to H. Negbaur & Co., New York, N. Y., a copartnership composed of Harry Negbaur and Dorothy B. Negbaur
Application August 16, 1946, Serial No. 132,590
Term of patent 7 years
(Cl. D48—27)

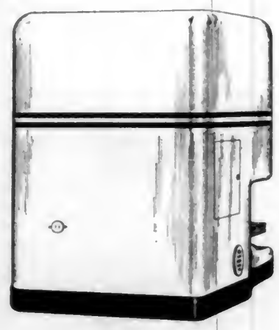


The ornamental design for a table lighter, as shown.

151,947
DESIGN FOR AN OPTICAL COMPARATOR
Kenneth A. Van Dyck, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 2, 1948, Serial No. 147,358
Term of patent 14 years
(Cl. D61—1)



151,947—Continued



The ornamental design for an optical comparator, as shown and described.

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 617

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[Decisions of the United States Court of Appeals District of Columbia Circuit are indicated by the letter (*); of the United States Court of Customs and Patent Appeals by an asterisk (*); and of the Supreme Court of the United States by the letter (*).]

December 7, 1948 Volume 617 Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Condition of Applications Under Examination at Close of Business Nov. 19, 1948

Total number of patent applications awaiting action, 153,355. Date of oldest new application, October 29, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	6-16-47	5-12-47	2808
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-17-47	10-3-46	2933
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	2-20-48	2-25-48	1303
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	3-27-47	2-8-47	4190
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	6-17-47	12-23-46	1696
6. SURLE, H., Carbon Chemistry (part)	12-4-47	11-19-47	1757
7. HANLIN, GEORGE, Optics; Photographic Apparatus	2-24-48	11-12-47	1623
8. LEWIS, R. O., (Acting), Furniture; Racks and Cabinets	4-3-47	11-27-46	4428
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-9-47	2-24-47	2458
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	2-21-48	2-6-48	1562
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	1-24-48	2-26-48	906
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	11-28-47	9-28-46	2268
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	11-8-46	12-12-46	2422
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	2-6-48	11-6-47	1332
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	7-22-47	5-15-47	2068
16. LOVEWELL, N. N., Television; Telephony	1-7-48	8-15-47	1583
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-26-47	10-25-46	2096
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	8-27-47	10-2-46	2057
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-26-47	2-3-47	1868
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	5-6-47	1-31-47	2070
21. MADER, R. C., Textiles	12-9-47	10-15-47	1240
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	1-9-48	1-3-47	1556
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-2-48	12-13-46	1158
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	10-17-47	9-24-47	2822
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors: Distillation.	2-21-48	3-3-47	1732
26. YOUNG, R. R., Electricity—Generation and Motive Power	2-26-48	3-7-47	1136
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	7-18-47	1-21-47	3638
28. BRAUNER, R. H., (Acting), Internal-Combustion Engine (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	12-29-47	10-28-47	975
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	4-4-47	3-31-47	3204
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	2-9-48	12-1-47	1529
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-9-48	3-10-48	2116
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	5-8-47	11-5-46	3178
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	3-17-47	12-10-46	3565
34. SAPERSTEIN, S., Electricity—Transmission of Vehicles; Railways; Track Sanders; Signals and Indicators	6-2-47	1-10-47	1466
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	7-9-47	12-11-46	3433
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-47	10-16-46	2017
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	3-5-48	4-24-47	1340
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	9-9-47	7-15-47	1662
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	6-16-47	10-2-46	3037
40. DRUMMOND, E. J., Receptacles (part); Packages	1-9-48	1-28-47	3252
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-11-48	11-15-46	2301
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	3-10-48	3-6-48	1195
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	2-2-48	1-3-48	1244
44. HARVEY, L. P., Refrigeration; Preserving	10-29-46	9-27-46	1129
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-17-47	11-22-46	2520
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-29-47	12-12-46	1837

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,355. Date of oldest new application, October 29, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	1-23-48	8-2-47	2163
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	2-24-48	6-12-47	1450
49. SHEFFIELD, E. L. Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	10-24-47	9-4-47	1570
50. LEVIN, SAMUEL, Synthetic Resins	3-5-48	11-26 47	2148
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	2-26-48	10-17-47	1751
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	11-17-47	1-7-47	3869
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	6-3-47	10-18-46	3582
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	2-23-48	8-7-47	1707
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	9-29-47	11-4-47	1882
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Heating and Illuminating Gas	2-12-48	12-9-47	975
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	6-4-47	2-4-47	3552
58. DOWELL, E. F., Abrading; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	3-18-47	2119
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	10-11-47	5-28-47	2056
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-5-48	10-1-47	1328
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	1-17-47	8-27-46	3804
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	8-26-47	10-26-46	1756
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	2-10-48	9-23-47	1255
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous	4-21-48	4-21-48	1491
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	2-24-48	8-11-47	2229
66. LISANN, L., Geometrical Instruments	9-2-47	4-16-46	2019
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	12-9-47	7-8-47	1952
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	3-27-47	9-30-47	1496
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	8-1-47	1-30-47	2076
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. O., (Electrical Arts); SPECK, J. R., (Chemical Arts).	2-27-48	7-18-47	163
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Total number of trade-mark applications awaiting action (including renewals and republications), 37,986. Date of oldest new application, Oct. 8, 1947; date of oldest amended application, Mar. 27, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	1-13-48	6-25-48	3126
2. KASCHUB, H. E., Classes 2, 15, 30,33, 36, 46, 50	10-27-47	6-9-48	5756
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-8-47	6-15-48	4935
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-23-47	4-1-48	4465
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	11-4-47	5-18-48	3549
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-1-48	8-9-48	3235
7. KEYS, O. M., Classes 16, 19, 55	10-18-47	3-27-48	2165
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	10-15-48 / 12-1-47	10-24-48 / 10-21-48	112 / 10643

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Device intended to facilitate the inhalation of medicaments in dry comminuted form. Serial No. 550,196, Dec. 7. Class 44.

Advance Electric and Relay Co., Los Angeles, Calif. Radio receivers, electrical filters, loud speakers, etc. Serial No. 544,678, Dec. 7. Class 21.

American Machinery Corporation, Orlando, Fla. Distributors or broadcasters for fertilizers. Serial No. 540,598, Dec. 7. Class 23.

American Thread Company, The, New York, N. Y. Thread. Serial Nos. 534,968–9, Dec. 7. Class 43.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Foundation creams and lotions. Serial No. 551,217, Dec. 7. Class 6.

Arrowhead Rubber Company, Vernon, Calif. Nonmetallic washers; nonmetallic faucet cushions; nonmetallic spacers, etc. Serial No. 511,974, Dec. 7. Class 35.

Badger Brass & Aluminum Foundry Co., Milwaukee, Wis. Aluminum, aluminum bronze, manganese, etc. Serial No. 539,626, Dec. 7. Class 14.

Barridon Oil Burner Corporation, Hartford, Conn. Range oil burners, water heaters, cook stoves, etc. Serial No. 542,432, Dec. 7. Class 34.

Beck, Leonard, Roosevelt, Long Island, N. Y. Children's blouses, pinafores, sun suits. Serial No. 517,031, Dec. 7. Class 39.

Bell & Howell Company, Chicago, Ill. Photographic lenses. Serial No. 547,512, Dec. 7. Class 26.

Benrose Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 536,489, Dec. 7. Class 42.

Bluhill Foods, Inc., doing business as Lady West Products, Denver, Colo. Salad dressings, sandwich spreads, and table syrups. Serial No. 504,470, Dec. 7. Class 46.

Brice-Waldrop Pickle Company, Denison, Tex. Cucumber pickles. Serial No. 526,193, Dec. 7. Class 46.

British Ropes Limited, Doncaster, England. Wire ropes (non-electric); cables (non-electric). Serial No. 505,683, Dec. 7. Class 7.

Brown, Geraldine F., doing business as Brown Laboratories, Philadelphia, Pa. All-purpose cleaner. Serial No. 502,797, Dec. 7. Class 4.

Brown Laboratories: *See*—
Brown, Geraldine F.

Brunswick Laboratories, Inc., Chicago, Ill. Ointment and powder for athlete's foot. Serial No. 532,680, Dec. 7. Class 6.

Buffalo Fire Appliance Corporation, Dayton, Ohio. Chemical kits. Serial No. 550,991, Dec. 7. Class 6.

Burgio Bros., Inc., New York, N. Y. Hosiery. Serial No. 537,142, Dec. 7. Class 39.

Burroughs Adding Machine Company, Detroit, Mich. Electrical appliances. Serial No. 523,010, Dec. 7. Class 21.

Caballeros de Dimas-Alang, Inc., San Francisco, Calif. Books and periodicals. Serial No. 543,564, Dec. 7. Class 38.

California Canners Associates, Los Angeles, Calif. Canned fish. Serial No. 529,147, Dec. 7. Class 46.

Cannon Mill's Company, Kannapolis, N. C. Sheets and pillowcases. Serial No. 556,872, Dec. 7. Class 42.

Carrollton Manufacturing Company, Carrollton, Ohio. Stainless steel cooking utensil. Serial No. 533,536, Dec. 7. Class 13.

Carter Dry Goods Company, Incorporated, Louisville, Ky. Tobacco bed covers. Serial No. 525,477, Dec. 7. Class 42.

Century Engineering Corporation, Cedar Rapids, Iowa. Water heaters and parts thereof. Serial No. 533,434, Dec. 7. Class 34.

Century Engineering Corporation, Cedar Rapids, Iowa. Oil and gas burning furnace units. Serial No. 533,435, Dec. 7. Class 34.

Century Engineering Corporation, Cedar Rapids, Iowa. Gas and oil burning furnaces and boilers. Serial No. 533,439, Dec. 7. Class 34.

Charmette Fabrics Company, Inc., New York, N. Y. Rayon cloth in the piece. Serial No. 531,095, Dec. 7. Class 42.

Charton, Pierre, Montreal, Quebec, Canada. Perfumes, toilet waters, colognes and pomades, etc. Serial No. 513,875, Dec. 7. Class 6.

Chisholm-Moore Hoist Corporation, Tonawanda, N. Y. Hoists, winches, and load-carrying overhead trolleys, and parts thereof. Serial No. 510,423, Dec. 7. Class 23.

Chopak-Solow Corporation, New York, N. Y. Satin piece goods. Serial No. 474,780, Dec. 7. Class 42.

Church & Dwight Co., Inc., New York, N. Y. Baking soda (bicarbonate of soda), and making powder. Serial No. 526,760, Dec. 7. Class 46.

Clark Grave Vault Company, Columbus, Ohio. Grave vaults. Serial No. 536,349, Dec. 7. Class 2.

Cleveland Trencher Company, The, Cleveland, Ohio. Trenching machines, tamping-machines, back-filling machines, etc. Serial No. 532,562, Dec. 7. Class 23.

Club Funds Projects: *See*—
Sinoff, Harry L.

Commercial and Industrial Products Co., Childs, Pa. Moth sprays, disinfectants and insect killers. Serial No. 546,189, Dec. 7. Class 6.

Conn, C. G., Ltd., Elkhart, Ind. Band and orchestra instruments and supplies. Serial No. 529,527, Dec. 7. Class 36.

Cook, Dave, Sporting Goods Co., Denver, Colo. Fishing flies. Serial No. 521,439, Dec. 7. Class 22.

Crompton Company, West Warwick, R. I. Fabrics in the piece. Serial No. 558,012, Dec. 7. Class 42.

Crystal, David, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 548,936, Dec. 7. Class 42.

Cyeton Products, Los Angeles, Calif. Antiperspirant deodorant. Serial No. 506,014, Dec. 7. Class 6.

Daggett & Ramsdell, assignor to Daggett and Ramsdell, Inc., New York, N. Y. Bubble bath, bath (boudoir) powder, dusting powder, etc. Serial No. 549,132, Dec. 7. Class 6.

Daggett and Ramsdell, Inc., assignee: *See*—
Daggett & Ramsdell.

Detroit-Michigan Stove Company, Detroit, Mich. Heating and cooking stoves, furnaces and ranges. Serial No. 532,279, Dec. 7. Class 34.

Diamond Chain Company, Inc., Indianapolis, Ind. Power transmission chains and parts thereof. Serial Nos. 507,044–5, Dec. 7. Class 23.

Dickinson, Becton, and Company, Rutherford, N. J. Hypodermic syringes and parts thereof; bulb syringes and parts thereof, etc. Serial No. 538,853, Dec. 7. Class 44.

Dickinson, Becton, and Company, Rutherford, N. J. Elastic bandages, adhesive bandages, adherent compounds, etc. Serial No. 538,855, Dec. 7. Class 44.

Dickinson, Becton, and Company, Rutherford, N. J. Syringes of the bulb type and of the piston type, etc. Serial No. 538,856, Dec. 7. Class 44.

Dickinson, Becton, and Company, Rutherford, N. J. Stethoscopes. Serial No. 538,861, Dec. 7. Class 44.

Dickinson, Becton, and Company, Rutherford, N. J. Clinical thermometers. Serial No. 538,862, Dec. 7. Class 44.

Dickinson, Becton, and Company, Rutherford, N. J. Veterinary needles and veterinary syringes, pill injectors, etc. Serial No. 538,863, Dec. 7. Class 44.

Dimitt's, Oklahoma City, Okla. Witch hazel cream. Serial No. 560,551, Dec. 7. Class 6.

Douglas Co., Waco, Tex. Mat used as a covering for concrete during the seasoning thereof. Serial No. 529,884, Dec. 7. Class 12.

Douglas, Karl, Co., The, Inglewood, Calif. Nail files. Serial No. 504,040, Dec. 7. Class 44.

Dulany, John H., & Son, Inc., Fruitland, Md. Canned vegetables. Serial No. 533,550, Dec. 7. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Plastic-coated fabrics of silk, cotton, and synthetic fibers, and plastic film. Serial No. 551,172, Dec. 7. Class 42.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Plastic impregnated fabrics of cotton, linen, and synthetic fibers. Serial No. 558,287, Dec. 7. Class 42.

Ellmore Silver Co., Inc., The, Meriden, Conn. Sterling silver flatware. Serial Nos. 524,694–5, Dec. 7. Class 28.

Endo Products Inc., Richmond Hill, N. Y. General analgesic. Serial No. 553,092, Dec. 7. Class 6.

Evkob Watch Co., New York, N. Y. Watches. Serial No. 527,045, Dec. 7. Class 27.

Faderoga, Jacinta, Oakland, Calif. Medicinal preparation. Serial No. 554,778, Dec. 7. Class 6.

Feist Fabrics, Inc., New York, N. Y. Piece goods. Serial No. 534,424, Dec. 7. Class 42.

Fontana Citrus Association, Fontana, Calif. Fresh citrus fruits. Serial No. 538,118, Dec. 7. Class 46.

Foster, Charles, & Co., Inc., New York, N. Y. Optical goods. Serial No. 536,373, Dec. 7. Class 26.

Fred The Hairstylist, Inc., New York, N. Y. Cosmetics. Serial No. 517,984, Dec. 7. Class 6.

Frigid Fluid Company, Chicago, Ill. Embalming preparations. Serial No. 539,949, Dec. 7. Class 6.

Gates Rubber Company, The, Denver, Colo. Automobile floor mats and sheeting. Serial No. 519,870, Dec. 7. Class 50.

General Machine Company, Inc., Emmaus, Pa. Automatic coal burners and stokers. Serial No. 534,766, Dec. 7. Class 34.

General Tire & Rubber Company, The, Akron, Ohio. Inner tubes. Serial No. 554,782, Dec. 7. Class 35.

Gipson, Vernor, Worth, Ill. Sporting and target rifles, cartridge loading tools, etc. Serial No. 536,892, Dec. 7. Class 9.

Griffith Laboratories, Inc., The, Chicago, Ill. Salt composition. Serial No. 562,609, Dec. 7. Class 6.

Guthell, Oscar H., Columbus, Ohio. Playing cards. Serial No. 504,486, Dec. 7. Class 22.

Hatton Coal Company, Columbus, Ohio. Coal. Serial No. 542,312, Dec. 7. Class 1.

Hausemann & Hötte N. V., Amsterdam, Netherlands. Models of ships, buildings, mills, etc. Serial No. 508,600, Dec. 7. Class 22.

Heat Master, Inc., Long Island, N. Y. Heat conserving apparatus for furnaces. Serial No. 503,372, Dec. 7. Class 34.

Heddon's, James, Sons, Dowagiac, Mich. Fishing rods, hooks, pork chunk, etc. Serial No. 534,125, Dec. 7. Class 22.

Hettrick Manufacturing Company, The, Toledo, Ohio. Play pools, sand boxes, and skate sails. Serial No. 531,128, Dec. 7. Class 22.

Hodgman Rubber Company, Framingham, Mass. Waterproof fishing boots and armpit height boots. Serial No. 524,706, Dec. 7. Class 39.

Home Curtain Corp., Far Rockaway, N. Y. Completely fabricated window curtains. Serial No. 496,140, Dec. 7. Class 42.

Houghton, E. F., & Co., Philadelphia, Pa. Textile finishing agents, being plasticizing agents (or softening agents). Serial No. 533,577, Dec. 7. Class 6.

Houston Engineers, Inc., Houston, Tex. Oil well servicing. Serial No. 541,420, Dec. 7. Class 55.

Huber, J. M., Corporation, New York, N. Y., and Locust, N. J. Fillers or pigments. Serial No. 534,628, Dec. 7. Class 1.

Huber, J. M., Corporation, Locust, N. J., and New York, N. Y. Chemical compositions. Serial No. 534,631, Dec. 7. Class 6.

Hudnut, Richard, New York, N. Y. Cosmetic kits. Serial No. 521,810, Dec. 7. Class 6.

Independent Lock Company, Fitchburg, Mass. Key blanks. Serial Nos. 534,443–7, Dec. 7. Class 25.

Indera Mills Company, Winston-Salem, N. C. Bathing suits, ladies', children's, and misses' knitted and woven slips, ladies' knitted and woven underskirts (petticoats), etc. Serial No. 543,929, Dec. 7. Class 39.

International Braid Company (1947), Providence, R. I. Shoe lacings, corset lacings, underwear lacings, etc. Serial No. 550,699, Dec. 7. Class 40.

International Braid Company (1947), Providence, R. I. Lacings for wearing apparel. Serial No. 550,703, Dec. 7. Class 40.

International Rustproof Corporation, Cleveland, Ohio. Chemical compounds. Serial No. 540,075, Dec. 7. Class 6.

Island Creek Coal Sales Company, Huntington, W. Va. Coal. Serial No. 540,282, Dec. 7. Class 1.

Johns-Manville Corporation, New York, N. Y. Thermal insulating tape and blanket. Serial No. 520,404, Dec. 7. Class 12.

Kalamazoo Paper Box Company, Kalamazoo, Mich. Boxes formed of sheet plastic. Serial No. 544,739, Dec. 7. Class 2.

Kisco Boiler & Engineering Co., St. Louis, Mo. Cabinet type boilers, boiler feed systems, exhaust fans, etc. Serial No. 529,475, Dec. 7. Class 34.

Klein Chocolate Company, Inc., Elizabethtown, Pa. Chocolate candy bars. Serial No. 534,290, Dec. 7. Class 46.

Klenzoid Corporation, The, Philadelphia, Pa. Chemical preparation. Serial No. 536,097, Dec. 7. Class 6.

Kollmorgen Optical Corporation, Brooklyn, N. Y. Prismatic telescopes. Serial No. 549,738, Dec. 7. Class 26.

Kress, S. H., and Company, New York, N. Y. Hosiery. Serial No. 547,382, Dec. 7. Class 39.

Lady West Products: *See*—
Bluhill Foods, Inc.

Lepore, Anthony P., doing business as Salvo Products, Boston, Mass. Blended vegetable oil for food purposes. Serial No. 513,062, Dec. 7. Class 46.

Levinsohn Textile Co., New York, N. Y. Ready-made pillow ticks. Serial No. 490,598, Dec. 7. Class 42.

Lingle, William H., Company, assignee: *See*—
Lingle, William H., Corporation, The.

Lingle, William H., Corporation, The, assignor to William H. Lingle Company, Washington, D. C. Cultivators, harrows, and parts thereof. Serial No. 518,234, Dec. 7. Class 23.

Link-Belt Company, Chicago, Ill. Conveyors. Serial No. 510,021, Dec. 7. Class 23.

Liquid Carbonic Corporation, The, Chicago, Ill. Welding torches, cutting torches, brazing torches, etc. Serial Nos. 529,065–6, Dec. 7. Class 34.

Litster, Mildred, Gold Hill, Oreg. Original and subsequent issue of books and leaflets. Serial No. 510,710, Dec. 7. Class 38.

McKallor, E. C., Drug Company, Binghamton, N. Y. Remedy for rheumatic pains, neuralgia, headaches, etc. Serial No. 524,071, Dec. 7. Class 6.

McKeon Canning Co., Inc., Burbank, Calif. Canned tomatoes. Serial No. 522,472, Dec. 7. Class 46.

Mead Johnson & Company, Evansville, Ind. Hypo-allergenic product. Serial No. 516,937, Dec. 7. Class 6.

Mead Johnson & Company, Evansville, Ind. Apparatus designed to aid in the introduction of fluid by parenteral routes. Serial No. 548,090, Dec. 7. Class 44.

Meat Industry Suppliers, Inc., Chicago, Ill. Chemical composition. Serial No. 520,172, Dec. 7. Class 6.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Caulking compounds and plastic roofing coatings. Serial No. 530,416, Dec. 7. Class 12.

Metal Ware Corporation, The, Two Rivers, Wis. Children's toys. Serial No. 546,009, Dec. 7. Class 22.

Midy Laboratories (Inc.), The, New York, N. Y. Preparations for the treatment of gravel, stone, and other manifestations of the uric-acid diathesis, etc. Serial No. 531,695, Dec. 7. Class 6.

Miley, L. J., Company, Chicago, Ill. Brake linings. Serial No. 522,134, Dec. 7. Class 35.

Miley, L. J., Company, Chicago, Ill. Brake linings, clutch facings, and fan belts. Serial No. 522,136, Dec. 7. Class 35.

Miller Electric Co., Pawtucket, R. I. Electric decorative lighting sets and parts therefor, electric cord sets, electric wire and/or cable, etc. Serial No. 532,044, Dec. 7. Class 21.

Mohawk Rubber Company, The, Akron, Ohio. Pneumatic tires and inner tubes. Serial Nos. 535,427–8, Dec. 7. Class 35.

Native Laces & Textiles, Incorporated, New York, N. Y. Knitted and woven stretchable fabrics in the piece. Serial No. 551,810, Dec. 7. Class 42.

New Plastic Corporation, Los Angeles, Calif. Plastic hammers and plastic hammer tips. Serial No. 468,329, Dec. 7. Class 23.

Nichols Engineering & Research Corporation, New York, N. Y. Furnaces and parts thereof. Serial No. 536,122, Dec. 7. Class 34.

Nordberg Manufacturing Company, Milwaukee, Wis. Ballast excavators. Serial No. 529,488, Dec. 7. Class 23.

Northwest Marine Iron Works, Portland, Oreg. Logging and sawmill machinery. Serial No. 537,493, Dec. 7. Class 23.

Norwalk Airconditioning Corp., The, South Norwalk, Conn. House and building heating furnaces. Serial No. 537,494, Dec. 7. Class 34.

O. B. Distributors, South Gate, Calif. Lithographing inks. Serial No. 525,306, Dec. 7. Class 11.

O'Connor, John J., Inc., New York, N. Y. All-purpose cleaner. Serial No. 544,456, Dec. 7. Class 4.

Ohio Rubber Company, The, Willoughby, Ohio. Cushion rubber tires. Serial No. 512,281, Dec. 7. Class 35.

Old Ben Coal Corporation, Chicago, Ill. Coal. Serial No. 532,749, Dec. 7. Class 1.

Optikotechna Sopiecnost S. R. O., Prerov, Czechoslovakia. Optical glass products, etc. Serial No. 511,103, Dec. 7. Class 26.

Oregon Nut Growers, Inc., Newberg, Oreg. Shelled and unshelled edible nuts. Serial No. 544,756, Dec. 7. Class 46.

Oscap Mfg. Co., Inc., Baltimore, Md. Jewelry. Serial No. 534,547, Dec. 7. Class 28.

Owens Brush Company, Toledo, Ohio. Toothbrushes. Serial No. 529,292, Dec. 7. Class 29.

Pacific Powder Company, Tenino, Wash. Cleaning powders. Serial No. 520,894, Dec. 7. Class 4.

Pendleton Woolen Mills, Portland and Pendelton, Oreg. Piece goods of wool and cotton, furniture shawls, Indian shawls, etc. Serial No. 545,527, Dec. 7. Class 42.

Perfect Circle Company, The, Hagerstown, Ind., now by change of name Perfect Circle Corporation. Additive having both chemical and lubricating properties. Serial No. 501,868, Dec. 7. Class 15.

Perfect Circle Corporation: *See*—
Perfect Circle Company, The.

Persinger, William E., Burbank, Calif. Shoe holder of steel. Serial No. 531,707, Dec. 7. Class 13.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial No. 556,217, Dec. 7. Class 6.

Phillips Petroleum Company, Bartlesville, Okla. Lawn mowers. Serial No. 505,667, Dec. 7. Class 23.

Plaracot Company, Chicago, Ill. Non-woven cellulose sheet material in the nature of cloth. Serial No. 527,818, Dec. 7. Class 42.

Poor & Company, Chicago, Ill. Metal products. Serial No. 547,147, Dec. 7. Class 14.

Portis Style Industries, Inc., Chicago, Ill. Hats and caps for men and boys. Serial No. 514,775, Dec. 7. Class 39.

Powell, Wm., Company, The, Cincinnati, Ohio. Glass body oil cups. Serial No. 523,532, Dec. 7. Class 23.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. Serial No. 527,680, Dec. 7. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. Serial No. 527,729, Dec. 7. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. Serial No. 527,735, Dec. 7. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. Serial No. 528,005, Dec. 7. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. Serial No. 528,029, Dec. 7. Class 4.

Protection Products Manufacturing Co., Kalamazoo, Mich. Liquid water repellent material. Serial No. 530,564, Dec. 7. Class 12.

Pure Oil Company, The, Chicago, Ill. Lubricating oils. Serial No. 526,821, Dec. 7. Class 15.

Quaker City Gear Works, Inc., Philadelphia, Pa. Fishing reels. Serial No. 543,225, Dec. 7. Class 22.

Rancho Estrella Poultry, Inc., Puente, Calif. Chickens frozen and dressed. Serial No. 533,051, Dec. 7. Class 46.

Raven Coals, Inc., Beckley, W. Va. Coal. Serial No. 542,351, Dec. 7. Class 1.

Raven Red Ash Coal Co., Inc., Beckley, W. Va. Coal. Serial No. 542,353, Dec. 7. Class 1.

Rees, Edward, Westmount, Ontario, Canada. Watches and clocks. Serial No. 525,248, Dec. 7. Class 27.

Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. Serial No. 534,054, Dec. 7. Class 9.

Robinson, Albert P., Seattle, Wash. Cast iron and steel fireplace throat frames and dampers. Serial No. 533,779, Dec. 7. Class 34.

Roger Rubber Products, Inc., Los Angeles, Calif. Prophylactic (rubber) articles for the prevention of contagious diseases. Serial No. 538,565, Dec. 7. Class 44.

Saco-Moc Shoe Corporation, Portland, Maine. Moccasins and shoes. Serial No. 537,245, Dec. 7. Class 39.

St. Patrick's Woollen Mills (1942) Ltd., Douglas, Eire. Overcoatings and other piece goods. Serial No. 524,356, Dec. 7. Class 42.

Salant & Salant, Inc., New York, N. Y. Men's and boys' work shirts. Serial No. 529,311, Dec. 7. Class 39.

Salvo Products: *See*—
Lepore, Anthony P.

Sears, Roebuck and Co., Chicago, Ill. Bathroom scales. Serial No. 549,582, Dec. 7. Class 26.

Service Appliance Corp., Passaic, N. J. Electrical vegetable peelers. Serial No. 530,860, Dec. 7. Class 21.

Seufert Brothers Company, The Dalles, Oreg. Canned fish, canned cherries, canned Italian prunes, etc. Serial No. 514,853, Dec. 7. Class 46.

Seufert Bros. Company, The Dalles, Oreg. Canned salmon, canned cherries, and canned prune plums. Serial No. 532,646, Dec. 7. Class 46.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation useful in the treatment of conditions of the vascular system. Serial No. 557,161, Dec. 7. Class 6.

Shepard Elevator Company, The, Cincinnati, Ohio. Electrically operated elevators. Serial No. 544,665, Dec. 7. Class 21.

Sinoff, Harry L., doing business as Club Funds Projects, Boston, Mass. Memo pad cases. Serial No. 541,712, Dec. 7. Class 3.

Small Steel Castings, Inc., Buffalo, N. Y. Low carbon steel castings. Serial No. 550,178, Dec. 7. Class 14.

Smalley Manufacturing Company, Manitowoc, Wis. Hammer mills. Serial No. 525,119, Dec. 7. Class 23.

Societa Anonima E. Isolabella & Figlio, Milan, Italy. Alcoholic liqueurs. Serial No. 520,184, Dec. 7. Class 49.

South Chester Corporation, Chester, Pa. Anchor nuts, metal fasteners, rivets, etc. Serial No. 529,719, Dec. 7. Class 13.

Specialty Development Company, Bluffton, Ind. Bakery products. Serial No. 506,396, Dec. 7. Class 46.

Sport Products, Inc., Cincinnati, Ohio. Baseman's mitts and gloves. Serial No. 530,982, Dec. 7. Class 22.

Spotnails, Inc., Evanston, Ill. Fastening elements in the nature of staples. Serial No. 500,708, Dec. 7. Class 13.

Stalfort, John C., & Sons, Inc., Baltimore, Md. Shoe paste and shoe cleaner. Serial No. 542,364, Dec. 7. Class 4.

Steel Publications, Inc., Pittsburgh, Pa. Magazine. Serial No. 535,643, Dec. 7. Class 38.

Stenzel, K., & Sons, Inc., New York, N. Y. Spectacle frames and parts thereof. Serial No. 549,587, Dec. 7. Class 26.

Summers Manufacturing Co., Los Angeles, Calif. Slacks, trousers, jackets, etc. Serial No. 534,393, Dec. 7. Class 39.

Sun Oil Company, Philadelphia, Pa. Organic polar compound. Serial No. 534,832, Dec. 7. Class 6.

Susquehanna Mills, Inc., New York, N. Y. Wool covert fabrics in the piece. Serial No. 551,206, Dec. 7. Class 42.

Synco Products: *See*—
Synco Products Company, Inc.

Synco Products Company, Inc., doing business as Synco Products, Chattanooga, Tenn. Atmospheric deodorants. Serial No. 552,897, Dec. 7. Class 6.

Table Rock Laboratories, Inc., Greenville, S. C. Preparations for the treatment of neuritis, and chiloschisis, etc. Serial No. 527,316, Dec. 7. Class 6.

Talon, Inc., Meadville, Pa. Locks for slide fasteners, and money bags. Serial No. 527,924, Dec. 7. Class 25.

Texas Textile Mills, Dallas, Tex. Piece goods. Serial No. 486,880, Dec. 7. Class 42.

Thompson, Henry G., & Son Company, The, New Haven, Conn. Hack saw blades, band saw blades, hack saw frames, etc. Serial No. 531,867, Dec. 7. Class 23.

Thoumaian, Armen H., Baltimore, Md. Cultured milk. Serial No. 538,976, Dec. 7. Class 46.

Titan Metal Manufacturing Company, Bellefonte, Pa. Corrosion resistant non-ferrous alloy. Serial No. 545,796, Dec. 7. Class 14.

Twin Packing Company, Inc., Philadelphia, Pa. Fresh and frozen deciduous fruits and vegetables. Serial No. 500,714, Dec. 7. Class 46.

Universal Zonolite Insulation Company, Chicago, Ill., now by change of name Zonolite Company. Perlite. Serial No. 546,072, Dec. 7. Class 1.

Valley Shoe Corporation, St. Louis, Mo. Footwear. Serial No. 536,466, Dec. 7. Class 39.

Vamos, Alfred, Inc., New York, N. Y. Elastic textile fabrics and elastic webbing. Serial No. 548,433, Dec. 7. Class 42.

Victor Chemical Works, Chicago, Ill. Wetting agents. Serial No. 528,544, Dec. 7. Class 6.

Viking Pump Company, Cedar Falls, Iowa. Rotary pump structure. Serial Nos. 532,255–7, Dec. 7. Class 23.

Virginia-Carolina Chemical Corporation, Richmond, Va. Cleanser in powder form. Serial No. 548,620, Dec. 7. Class 4.

Vitron Corporation, The, Wilmington, Del. Liquid filters, mats, frames and gaskets, etc. Serial No. 513,911, Dec. 7. Class 31.

Warso, John J., doing business as John J. Warso and Company, Youngstown, Ohio. Children's sleds. Serial No. 512,303, Dec. 7. Class 22.

Warso, John J., and Company: *See*—
Warso, John J.

Wellington Sears Company, New York, N. Y. Cotton piece goods. Serial No. 524,503, Dec. 7. Class 42.

White Aircraft Corporation, Palmer, Mass. Carpet sweepers and parts thereof. Serial No. 512,097, Dec. 7. Class 23.

Winsor & Newton, Inc., New York, N. Y. Artists' paint brushes. Serial No. 538,837, Dec. 7. Class 29.

Winter, Charles V., Chicago, Ill. Combination golf club. Serial No. 509,750, Dec. 7. Class 22.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Liquid absorbent and floor sweeping compound. Serial No. 540,953, Dec. 7. Class 4.

Wyeth Incorporated, Philadelphia, Pa. Gastric drip apparatus, inhalers, insufflators, etc. Serial No. 550,002, Dec. 7. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Abercrombie & Fitch Company, New York, N. Y. Smoking tobacco. 504,583, Dec. 7; Serial No. 530,043, published Sept. 7, 1948. Class 17.

Acme Visible Records, Inc., Chicago, Ill. Visible record card index systems, etc. 504,686, Dec. 7; Serial No. 541,760, published Aug. 31, 1948. Class 37.

Adams-Millis Corporation, High Point, N. C. Hosiery. 365,697, Mar. 14, 1939. Republished Dec. 7. Class 39.

Affleck, Augustus J., Sacramento, Calif. Headache tablets. 260,475, Aug. 27, 1929. Republished Dec. 7. Class 6.

Aktieselskabet Bing & Grondahls Porcellaensfabrik (Porcelainfabrikerne Bing & Grondahl og Norden A/S), Copenhagen, Denmark. Art porcelain and stoneware figures of humans and animals. 504,530, Dec. 7; Serial No. 498,744, published Aug. 24, 1948. Class 50.

Alaska Pacific Salmon Company: *See*—
Alaska Pacific Salmon Corporation.
Sanborn, Geo. W., & Sons.
Sunny Point Packing Company, Inc.
Thlinket Packing Corporation.

Alaska Pacific Salmon Company, Seattle Wash. Canned and frozen fish. 369,870, Aug. 8, 1939. Republished Dec. 7. Class 46.

Alaska Pacific Salmon Corporation, by Alaska Pacific Salmon Company, Seattle, Wash. Canned salmon. 290,892, Jan. 19, 1932. Republished Dec. 7. Class 46.

Albany Billiard Ball Company, Albany, N. Y. Cue balls. 504,672, Dec. 7; Serial No. 539,014, published Aug. 10, 1948. Class 22.

Alhambra Cigar & Cigarette Manufacturing Company, Manila, Philippine Islands. Cigars and cigarettes. 265,118, Dec. 17, 1929. Republished Dec. 7. Class 17.

Alhambra Cigar & Cigarette Manufacturing Company, Manila, Philippine Islands. Cigars and cigarettes. 299,751–2, Dec. 20, 1932. Republished Dec. 7. Class 17.

Alhambra Cigar & Cigarette Manufacturing Company, Manila, Philippine Islands. Cigars and cigarettes. 303,003, May 9, 1933. Republished Dec. 7. Class 17.

Allied Chemical & Dye Corporation: *See*—
Solvay Process Company, The.

American Aniline Products, Inc., New York, N. Y. Dyeing assistants. 504,573, Dec. 7; Serial No. 529,220, published Aug. 24, 1948. Class 6.

American Chain & Cable Company, Inc.: *See*—
American Chain Company, Inc.

American Chain Company, Inc., New York N. Y., and Bridgeport, Conn., by American Chain & Cable Company, Inc., Bridgeport, Conn. Base metal chain. 256,346, May 14, 1929. Republished Dec. 7. Class 13.

American Coffee Company, Inc.: *See*—
New Orleans Coffee Co. Ltd.

American Coffee Company, Inc., New Orleans, La. Coffee and tea. 419,370, Feb. 12, 1946. Republished Dec. 7. Class 46.

American Enka Corporation, Enka, N. C. Rayon yarns. 504,598, Dec. 7; Serial No. 531,002, published Aug. 17, 1948. Class 43.

American Hair & Felt Company, Chicago, Ill. Typewriter pads. 363,568, Jan. 3, 1939. Republished Dec. 7. Class 50.

American Hair & Felt Company, Chicago, Ill. Rug and carpet pads or underlinings. 365,177, Feb. 28, 1939. Republished Dec. 7. Class 50.

American Hair & Felt Company, Chicago, Ill. Thermal insulation blanket and other thermal insulation materials. 373,918, Dec. 26, 1939. Republished Dec. 7. Class 12.

American Hair & Felt Company, Chicago, Ill. Rug and carpet pads or underlinings. 391,591, Nov. 18, 1941. Republished Dec. 7. Class 50.

American Metal Company (Limited), The, New York, N. Y. Metal products. 433,797, Oct. 28, 1947. Republished Dec. 7. Class 14.

American Optical Company: *See*—
Emons, Ernest E.

American Paper Tube Company, Woonsocket, R. I. Coptubes, quills, bobbins, etc. 411,298, Jan. 9, 1945. Republished Dec. 7. Class 23.

American Rolling Mill Company, The, Middletown, Ohio, now by change of name Armco Steel Corporation. Ferrous metal pipe and conduits. 504,561, Dec. 7; Serial No. 527,685, published Sept. 7, 1948. Class 13.

American Stay Company, East Boston, Mass. Leather lacing. 272,171, July 1, 1930. Republished Dec. 7. Class 1.

American Wine Company, St. Louis, Mo. Sparkling wines and still wines. 504,556, Dec. 7; Serial No. 527,310, published Aug. 31, 1948. Class 47.

American Wine Company, St. Louis, Mo. Sparkling wines and still wines. 504,557, Dec. 7; Serial No. 527,311, published Aug. 24, 1948. Class 47.

American Woolen Company, New York, N. Y. Blankets. 504,536, Dec. 7; Serial No. 510,467, published Aug. 31, 1948. Class 42.

Americas Manufacturing and Sales Company, The, Tulsa, Okla. Brake band linings and brake band blocks. 504,716, Dec. 7; Serial No. 532,986. Class 35.

Anderson-Stolz Corporation, by Anderson-Stolz Pharmaceuticals, Inc., Kansas City, Mo. Deodorant. 384,188, Jan. 7, 1941. Republished Dec. 7. Class 6.

Anderson-Stolz Pharmaceuticals, Inc.: *See*—
Anderson-Stolz Corporation.

Anderson, V. D., Company, The, Cleveland, Ohio. Steam traps. 504 601, Dec. 7; Serial No. 531,284, published Aug. 24, 1948. Class 13.

Annette Islands Canning Company, Ketchikan, Alaska, and Seattle, Wash. Canned salmon. 347,004, June 15, 1937. Republished Dec. 7. Class 46.

Ansco Company, Binghamton, to General Aniline & Film Corporation, New York, N. Y. Photographic paper. 72,478, re-renewed Jan. 26, 1949. O. G. Dec. 7. Class 26.

Apples & Pears, Inc., Yakima, Wash. Fresh deciduous fruits. 362,392, Nov. 15, 1938. Republished Dec. 7. Class 46.

Arco Company, The, by The Arco Company (1934), Cleveland, Ohio. Plastic compound for waterproofing surfaces. 108,734, Feb. 22, 1916. Republished Dec. 7. Class 12.

Arco Company, The, by The Arco Company (1934), Cleveland, Ohio. Ready-mixed paints, varnishes, and fillers. 117,503, July 17, 1917. Republished Dec. 7. Class 16.

Arco Company, The, by The Arco Company (1934), Cleveland, Ohio. Lacquers. 229,122, June 21, 1927. Republished Dec. 7. Class 16.

Arco Company, The, by The Arco Company (1934), Cleveland, Ohio. Enamel paints and varnishes. 258,166, June 25, 1929. Republished Dec. 7. Class 16.

Arco Company, The, Cleveland Ohio. Ready-mixed paints, lacquers, and paint enamels. 410,632. Dec. 5, 1944. Republished Dec. 7. Class 16.

Arco Company (1934), The: *See*—
Arco Company, The.

Ardsley Curtain Co., Inc., New York, N. Y. Window curtains. 504,669. Dec. 7; Serial No. 538,591, published Aug. 31, 1948. Class 42.

Arkwright, Incorporated: *See*—
Weill & Hartmann.

Armco Steel Corporation: *See*—
American Rolling Mill Company, The.

Armour and Company, Chicago, Ill. Strings for tennis, badminton, and squash rackets. 504,627, Dec. 7; Serial No. 533,431, published Aug. 17, 1948. Class 22.

Armstrong Cork Company, Lancaster, Pa. Hard surface floor coverings. 423,630. Sept. 3, 1946. Republished Dec. 7. Class 20.

Arnold Knitwear Corporation: *See*—
Novelty Knitting Company.

Arnoult, J., Marseille, to Etablissements F. Vinatié, Bordeaux, France. Dates. 223,343, renewed Feb. 1, 1947. O. G. Dec. 7. Class 46.

Arwell, Inc.: *See*—
Arwell Products Company.

Arwell Products Company, Chicago, to Arwell, Inc., Waukegan, Ill. Household deodorant and moth preventative. 239,245, renewed Feb. 28, 1948. O. G. Dec. 7. Class 6.

Atkins & Durbrow, Inc., New York, N. Y. Granulated peat moss and peat-moss products. 258,748, July 16, 1929. Republished Dec. 7. Class 1.

Atmore & Son, Inc., Philadelphia, Pa. Mincemeat. 254,497, renewed Mar. 26, 1949. O. G. Dec. 7. Class 46.

Attorney General of the United States, vested in: *See*—
Mülhens, Paul P.

Auto Strop Safety Razor Company, Inc., New York, N. Y., to Gillette Safety Razor Company, Boston, Mass. Safety razors. 247,674, renewed Oct. 2, 1948. O. G. Dec. 7. Class 23.

Autographic Register Company, Hoboken, N. J. Blank order or business forms. 504,612, Dec. 7; Serial No. 532,102, published Aug. 24, 1948. Class 37.

Avco Manufacturing Corporation, Cincinnati, Ohio. Laundry washing machines. 504,550, Dec. 7; Serial No. 526,666, published Aug. 31, 1948. Class 24.

Bailey, G. C., Montpelier, Vt. Feed for animals. 403,127, Sept. 7, 1943. Republished Dec. 7. Class 46.

Barbasol Company, The: *See*—
Inland Laboratories, Incorporated.

Barbasol Company, The, Indianapolis, Ind. Toilet powder. 333,919, Apr. 14, 1936. Republished Dec. 7. Class 6.

Barbasol Company, The, Indianapolis, Ind. Paste-like preparation for shaving. 344,122, Mar. 16, 1937. Republished Dec. 7. Class 4.

Barbasol Company, The, Indianapolis, Ind. Deodorant cream. 397,965, Sept. 29, 1942. Republished Dec. 7. Class 6.

Barbasol Company, The, Indianapolis, Ind. Pastelike preparation for shaving. 406,257, Mar. 21, 1944. Republished Dec. 7. Class 4.

Baron, H., & Co. Inc., Linden, N. J. Flavoring extracts and syrups. 504,628, Dec. 7; Serial No. 533,529, published Sept. 7, 1948. Class 45.

Barry, R. G., Corporation, Columbus, Ohio. Shoulder pads. 504,701, Dec. 7; Serial No. 549,610, published Aug. 31, 1948. Class 40.

Bates, C. J., & Son: *See*—
Bates, Hamilton C.

Bates, Hamilton C., doing business as C. J. Bates & Son, by C. J. Bates & Son, Chester, Conn. Sewing kits and sewing sets. 376,729, Apr. 2, 1940. Republished Dec. 7. Class 40.

Bates, Hamilton C., doing business as C. J. Bates & Son, by C. J. Bates & Son, Chester, Conn. Crochet hooks and knitting needles. 388,044, June 10, 1941. Republished Dec. 7. Class 40.

Bates, Hamilton C., doing business as C. J. Bates & Son, by C. J. Bates & Son, Chester, Conn. Crochet hooks. 393,650, Feb. 24, 1942. Republished Dec. 7. Class 40.

Bates, Hamilton C., doing business as C. J. Bates & Son, assignor to C. J. Bates & Son, by C. J. Bates & Son, Chester, Conn. Crochet hooks. 395,871–4, June 16, 1942. Republished Dec. 7. Class 40.

Baumbach, E. A. Mfg. Co., Inc., Chicago, Ill. Die sets, die shoes, punch holders, etc. 265,861, Jan. 7, 1930. Republished Dec. 7. Class 23.

Beacon Chemical Corporation, Philadelphia, by Hood Chemical Co., Inc., Pittsburgh, Pa. Ammonia. 379,366, July 9, 1940. Republished Dec. 7. Class 6.

Beacon Chemical Corporation, Philadelphia, by Hood Chemical Co., Inc., Pittsburgh, Pa. Cleanser. 400,868, Apr. 6, 1943. Republished Dec. 7. Class 4.

Beauty Counselors, Inc.: *See*—
Beeman, George W.

Becken, A. C., Co., Chicago, Ill. Jewelry. 504,687, Dec. 7; Serial No. 543,008, published Sept. 7, 1948. Class 28.

Beech-Nut Packing Company, Canajoharie, N. Y. Candy-coated chewing gum. 253,465, renewed Feb. 26, 1949. O. G. Dec. 7. Class 46.

Beeman, George W., Detroit, by Beauty Counselors, Inc., Grosse Pointe, Mich. Face creams, face powders, and hand, face, and skin lotions. 297,197, Sept. 6, 1932. Republished Dec. 7. Class 6.

Bel Paese Sales Co. Inc., New York, N. Y. Cheese. 382,475, Oct. 29, 1940. Republished Dec. 7. Class 46.

Bel Paese Sales Co. Inc., New York, N. Y. Cheese. 386,552, Apr. 15, 1941. Republished Dec. 7. Class 46.

Belding Heminway Company, assignor to Belding Heminway Company, Inc., New York, N. Y. Pure and artificial silk threads. 504,641–2, Dec. 7; Serial Nos. 535,120–1, published Aug. 10, 1948. Class 43.

Belding Heminway Company, Inc.: *See*—
Belding Heminway Company.

Beldman Brook Bleachery Co., Fairview, N. J. Cotton and rayon textile fabrics. 253,408, renewed Feb. 26, 1949. O. G. Dec. 7. Class 42.

Bell & Gossett Company, Morton Grove, Ill. Flow control valves, pressure reducing valves, pressure relief valves, etc. 504,605, Dec. 7; Serial No. 531,425, published Aug. 17, 1948. Class 13.

Bell Syndicate, Inc., The, New York, N. Y., by Hal Forrest, Los Angeles, Calif. Strips of humorous drawings. 268,332, Mar. 11, 1930. Republished Dec. 7. Class 38.

Ben Hur Products, Inc., New York, N. Y. Combined comb and hair ornaments. 384,663, Jan. 28, 1941. Republished Dec. 7. Class 40.

Ben Hur Products, Inc., New York, N. Y. Closet accessories. 393,483. Feb. 17, 1942. Republished Dec. 7. Class 50.

Ben Hur Products, Inc., New York, N. Y. Combs and barrettes. 413,255, Apr. 17, 1945. Republished Dec. 7. Class 40.

Berndt, C. M., Company: *See*—
Berndt, Carroll M.

Berndt, C. M., Company, Inc.: *See*—
Berndt, Carroll M.

Berndt, Carroll M., doing business as C. M. Berndt Company, Inc., Baltimore, Md. Paraguayan tea (Ilex paraguayensis). 425,343, Nov. 12, 1946. Republished Dec. 7. Class 46.

Beverage Distributors, Inc.: *See*—
Petri Cigar Co.

Bird-Archer Company, The, by The Bird-Archer Company, New York, N. Y. Cement. 333,800, Apr. 7, 1936. Republished Dec. 7. Class 12.

Black Industries: *See*—
Black, Lester G., Estate of.

Black, Lester G., Estate of, doing business as Black Industries, Cleveland, Ohio. Hanger supports. 441,544, Dec. 7; Serial No. 510,477, published Aug. 17, 1948. Class 13.

Blake & Johnson Company, The, Waterville, Conn. Wood screws and sheet metal screws. 405,273, Jan. 18, 1944. Republished Dec. 7. Class 13.

Blue Star Knitting Company, Milwaukee, Wis. Infants' knitted underwear. 253,829, renewed Mar. 5, 1949. O. G. Dec. 7. Class 39.

Blue Waltz, Inc., assignee: *See*—
Joubert Cie., Inc.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 504,584–7, Dec. 7; Serial Nos. 530,283–6, published Aug. 31, 1948. Class 42.

Boatwright Paint & Varnish Works, Inc., Atlanta, Ga. Paste outside paint. 504,594, Dec. 7; Serial No. 530,715, published Aug. 10, 1948. Class 16.

Bohemian Distributing Company, Los Angeles, Calif. Brandy. 389,282, July 29, 1941. Republished Dec. 7. Class 49.

Bonnal, L., et Compagnie, Bordeaux, France. Ready-mixed paints, lacquers, varnishes, etc. 441,533, Dec. 7; Serial No. 501,631, published July 27, 1948. Class 16.

Boonton Molding Company, Boonton, N. J. Molded plastic parts. 398,435, Oct. 27, 1942. Republished Dec. 7. Class 21.

Bordon, Richard, Mills Corp., Fall River, Mass. Full length window curtains and drapes. 504,697, Dec. 7; Serial No. 548,326, published Aug. 31, 1948. Class 42.

Boyle-Midway Inc., Jersey City, N. J. Furniture polish, and powdered, paste, and liquid wax preparations, etc. 441,545, Dec. 7; Serial No. 510,874, published Aug. 3, 1948. Class 16.

Brakeley, Harry H., Jr., Bordentown, N. J. Canned product consisting of cut stringless beans with potatoes and pork. 381,792, Oct. 8, 1940. Republished Dec. 7. Class 46.

Breck, John H., Inc., Springfield, Mass. Preparations for the treatment of the hair and scalp. 285,031, July 14, 1931. Republished Dec. 7. Class 6.

Breck, John H., Inc., Springfield, Mass. Liquid material for cleaning the hair, after shampooing. 395,869, June 16, 1942. Republished Dec. 7. Class 6.

Brown & Haley, by Brown & Haley, Tacoma, Wash. Chocolate brittle candy. 191,430, Nov. 11, 1924. Republished Dec. 7. Class 46.

Brown & Haley, Tacoma, Wash. Peanut candy bars. 421,417, June 4, 1946. Republished Dec. 7. Class 46.

Buchanan, James, London, England, and Glasgow, Leith, and Glenlivet, Scotland, by James Buchanan & Company, Limited, London, England. Whisky. 38,774, Aug. 12, 1902. Republished Dec. 7. Class 49.

Buchanan, James, & Company, Limited: *See*—
Buchanan, James.

Buchanan, James, & Company Limited, London, England. Whisky. 68,310, Mar. 24, 1908. Republished Dec. 7. Class 49.

Buchanan, James, & Company Limited, London, England. Whisky. 120,069, Jan. 18, 1918. Republished Dec. 7. Class 49.

Buckeye Overall Company, The, Versailles, Coldwater, and Greenville, to The Buckeye Overall Company, Versailles, Ohio. Overalls, coveralls; dress, negligee and work shirts, etc. 252,985, renewed Feb. 19, 1949. O. G. Dec. 7. Class 39.

Buckeye Overall Company, The, Versailles, Coldwater, and Greenville, to The Buckeye Overall Company, Versailles, Ohio. Men's, youths' and boys' overalls, coats, vests, etc. 253,661, renewed Mar. 5, 1949. O. G. Dec. 7. Class 39.

Buffalo Scale Co., by Buffalo Scale Company, Inc., Buffalo, N. Y. Weighing or measuring scales. 27,464, Dec. 10, 1895. Republished Dec. 7. Class 26.

Buffalo Scale Company, Inc.: *See*—
Buffalo Scale Co.

Burdsal, A., Company, The, Indianapolis, Ind. Semi-paste house paint. 504,549, Dec. 7; Serial No. 526,603, published Aug. 3, 1948. Class 16.

Burgess Cellulose Company, Freeport, Ill. Stereotype mats. 504,617, Dec. 7; Serial No. 532,415, published Aug. 3, 1948. Class 37.

Burlington Mills Corporation: *See*—
Massachusetts Cotton Mills.

Burrell-Dugger Company: *See*—
Burrell-Miller.

Burrell-Dugger Co., Indianapolis, Ind. Insecticide or preparation to kill lice. 126,647, Sept. 30, 1919. Republished Dec. 7. Class 6.

Burrell-Dugger Co., Indianapolis, Ind. Poultry tonic tablets. 127,002, Oct. 21, 1919 Republished Dec. 7. Class 6.

Burrell-Dugger Company, Indianapolis, Ind. Pharmaceutical preparation. 266,527, Jan. 28, 1930. Republished Dec. 7. Class 6.

Burrell-Miller, by Burrell-Dugger Company, Indianapolis, Ind. Poultry remedy. 115,730, Mar. 6, 1917. Republished Dec. 7. Class 6.

Burrus Feed Mills: *See*—
Tex-O-Kan Flour Mills Company.

Burt, Harry B., by Malt-A-Plenty, Inc., Tulsa, Okla. Stabilizer derived from wheat. 412,267–8, Feb. 27, 1945. Republished Dec. 7. Class 46.

Byer-Rolnick Company, Dallas, Tex. Hats for men. 283,454, May 26, 1931. Republished Dec. 7. Class 39.

Cail, William, Bitmo Company, by International Paint Company, New York, N. Y. Carbon-paint. 96,559, Apr. 21, 1914. Republished Dec. 7. Class 16.

Calcutta Club Products, Inc.: *See*—
Hebert, Tom.

California Morning Foods, Inc.: *See*—
Diamond T Preserving Co.

Campe Corporation, The, New York, N. Y. Men's union suits, pants, athletic shirts, etc. 394,749, Apr. 28, 1942. Republished Dec. 7. Class 39.

Canadian Pale Products Association: *See*—
Graupner, R. H.

Canova Foods, Incorporated: *See*—
Maury-Cole Company.

Cantine, Martin, Company, The: *See*—
Cantine, Martin, Co., The.

Cantine, Martin, Co., The, by The Martin Cantine Company, Saugerties, N. Y. Dull-finished paper. 259,959, Aug. 13, 1929. Republished Dec. 7. Class 37.

Carrollton Manufacturing Company, Carrollton, Ohio. Stainless steel cooking, kitchen, household, etc., ware. 504,602, Dec. 7; Serial No. 531,311, published Aug. 31, 1948. Class 13.

Carvin, Charles W., Co., Inc.: *See*—
Pondel Fabrics, Inc.

Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. 504,621–2, Dec. 7; Serial Nos. 532,684–5, published Aug. 17, 1948. Class 13.

Catalina, Inc.: *See*—
Pacific Knitting Mills.

Celco Sales Corp., New York, N. Y. Liquid paint brush cleaner. 441,548, Dec. 7; Serial No. 513,387, published Aug. 3, 1948. Class 16.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Envelope paper. 504,555, Dec. 7; Serial No. 527,300, published Aug. 3, 1948. Class 37.

Chapman Orchards, Fullerton and Lindsay, to Placentia Orchard Company, Fullerton, Calif. Fresh citrous fruits. 224,359, renewed Feb. 22, 1947. O. G. Dec. 7. Class 46.

Chase Brass & Copper Co. Incorporated: *See*—
Chase Brass and Copper Co. Incorporated.

Chase Brass & Copper Co. Incorporated: *See*—
Chase Brass and Copper Co. Incorporated.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Sheet-metal elbows for eaves-trough leaders. 257,662, June 18, 1929. Republished Dec. 7. Class 12.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Tubular body members, socket casings, slip canopies. 257,665, June 18, 1929. Republished Dec. 7. Class 21.

Chase Brass and Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Whistles used by trap drummers. 257,666, June 18, 1929. Republished Dec. 7. Class 36.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Filters. 257,668, June 18, 1929. Republished Dec. 7. Class 31.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Police whistles. 257,674, June 18, 1929. Republished Dec. 7. Class 22.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Brass, copper, and nonferrous alloy sheets, rods and plain wire, etc. 257,679, June 18, 1929. Republished Dec. 7. Class 14.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Cigarette humidors and ash trays. 257,690, June 18, 1929. Republished Dec. 7. Class 8.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Portable oilers with spouts. 257,780, June 18, 1929. Republished Dec. 7. Class 2.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Acetylene lamps and metal reflectors and parts therefor. 257,782, June 18, 1929. Republished Dec. 7. Class 34.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Metallic caps and suspension rings for whisk brooms. 257,783, June 18, 1929. Republished Dec. 7. Class 13.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Filler caps of automobile radiators. 269,276, Apr. 1, 1930. Republished Dec. 7. Class 19.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Closet screws, sink plugs, plumbing traps, etc. 280,870, Mar. 3, 1931. Republished Dec. 7. Class 13.

Chicago Carton Company, Chicago, Ill. Cartons. 504,560, Dec. 7; Serial No. 527,624, published Sept. 7, 1948. Class 2.

Chicago Daily News, Inc., The, Chicago, Ill. Newspapers. 251,988, renewed Jan. 22, 1949. O. G. Dec. 7. Class 38.

Chicago Daily News, Inc., The, Chicago, Ill. Monthly publication. 252,952, renewed Feb. 19, 1949. O. G. Dec. 7. Class 38.

Chicago Electric Manufacturing Company, Chicago, Ill. Portable laundry wringers. 504,575, Dec. 7; Serial No. 529,361, published Sept. 7, 1948. Class 24.

Chicago Electric Manufacturing Company, Chicago, Ill. Portable laundry wringers. 504,576, Dec. 7; Serial No. 529,364, published Sept. 7, 1948. Class 24.

Chicago Paints, Inc., Chicago, Ill. Barn paint and paint enamels. 504,667, Dec. 7; Serial No. 538,366, published Aug. 3, 1948. Class 16.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 374,038, Dec. 26, 1939. Republished Dec. 7. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 374,041–2, Dec. 26, 1939. Republished Dec. 7. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York N. Y. Series of cartoons. 374,044, Dec. 26, 1939. Republished Dec. 7. Class 38.

Chippewa Springs Corporation, Minneapolis, Minn. Natural spring-water. 504,649, Dec. 7; Serial No. 535,812. Class 45.

Chisholm-Ryder Co., Inc., Niagara Falls, N. Y. Radio aerial equipment. 256,364, Apr. 26, 1938. Republished Dec. 7. Class 21.

Chisholm-Ryder Co., Inc., Niagara Falls, N. Y. Fishing rods and reels. 354,390, Feb. 8, 1938. Republished Dec. 7. Class 22.

Chisholm-Ryder Co., Inc., Niagara Falls N. Y. House numbers and letters. 354,803, Feb. 22, 1938. Republished Dec. 7. Class 13.

Chisholm-Ryder Co., Inc., Niagara Falls, N. Y. Tent poles and stakes. 355,581, Mar. 22, 1938. Republished Dec. 7. Class 50.

Churngold Corporation, The: *See*—
Ohio Butterine Company, The.

Citizens Oil Company, Inc., Tallahassee, Fla. Gasoline and lubricating oils. 382,004, Oct. 15, 1940. Republished Dec. 7. Class 15.

Clair's Mfg. Co., Los Angeles, Calif. Garment shoulder pads and hem facings. 504,698, Dec. 7; Serial No. 549,229, published Aug. 31, 1948. Class 40.

Clear-Again, Inc., by Clear-Again Products, Inc., Chicago, Ill. Tablet for the relief of head colds. 335,556, June 9, 1936. Republished Dec. 7. Class 6.

Clear-Again Products, Inc.: *See*—
Clear-Again, Inc.

Clear Spring Distilling Co., The, Clermont, Ky. Whiskey. 504,538, Dec. 7; Serial No. 512,158, published Aug. 31, 1948. Class 49.

Clorox Chemical Co., assignee: *See*—
Clorox Chemical Corporation.

Clorox Chemical Corporation, assignor to Clorox Chemical Co., to Clorox Chemical Co., Oakland, Calif. Bleaching, cleansing, antiseptic, and germicidal compounds. 251,292, renewed Jan. 1, 1949. O. G. Dec. 7. Class 6.

Club Razor & Blade Mfg. Corp., Newark, N. J. Razor blades. 341,796, Dec. 22, 1936. Republished Dec. 7. Class 23.

Club Razor & Blade Mfg. Corp., Newark, N. J. Razor blades. 346,656, June 1, 1937. Republished Dec. 7. Class 23.

Clyde Kraut Company, The, Clyde, Ohio. Sauerkraut. 229,472, June 28, 1927. Republished Dec. 7. Class 46.

Clyman Canning Company, Clyman, Wis. Canned peas. 374,478, Jan. 9, 1940. Republished Dec. 7. Class 46.

Coating Materials Laboratories, Inc., Belleville, N. J. Paints in paste and liquid form, paint and synthetic primers, synthetic lacquers, etc. 504,662, Dec. 7; Serial No. 538,098, published Aug. 3, 1948. Class 16.

Cochran, Jacqueline, Roselle, N. J., and New York, N. Y., by Jacqueline Cochran, Roselle, assignor to Jacqueline Cochran, Inc., Newark, N. J. Cosmetics and beauty preparations. 383,068, Nov. 19, 1940. Republished Dec. 7. Class 6.

Cochran, Jacqueline, New York, N. Y., and Roselle, N. J., by Jacqueline Cochran, Roselle, assignor to Jacqueline Cochran, Inc., Newark, N. J. Cosmetics and beauty preparations. 384,245, Jan. 7, 1941. Republished Dec. 7. Class 6.

Cochran, Jacqueline, Inc., assignee: *See*—
Cochran, Jacqueline.

Cohen, Isidor H., New York, N. Y. Cotton, rayon and woolen fabrics in the piece. 441,538, Dec. 7; Serial No. 507,461, published Aug. 31, 1948. Class 42.

Colley Cranberry Company, Plymouth, Mass. Canned processed dehydrated cranberries. 393,964, Mar. 10, 1942. Republished Dec. 7. Class 46.

Columbia Records Inc., Bridgeport, Conn. Phonograph needles. 504,623, Dec. 7; Serial No. 532,804, published Sept. 7, 1948. Class 36.

Columbia Steel Equipment Company, by Columbia Steel Equipment Company (1945), Philadelphia, Pa. Filing cabinets. 255,085, Apr. 16 1929. Republished Dec. 7. Class 32.

Columbia Steel Equipment Company (1945): *See*—
Columbia Steel Equipment Company.

Con-Ferro Paint & Varnish Company; *See*—
Con-Ferro Paint and Varnish Company, The.

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo., by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Varnish stain. 335,601, June 9, 1936. Republished Dec. 7. Class 16.

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo., by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Ready-mixed paints, paste paints, japan driers, etc. 335,794, June 16, 1936. Republished Dec. 7. Class 16.

Con-Ferro Paint & Varnish Company, St. Louis, Mo., by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Ready-mixed paints, paint enamels and varnishes. 343,863, Mar. 9, 1937. Republished Dec. 7. Class 16.

Con-Ferro Paint & Varnish Company, St. Louis, Mo., by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Prepared paint, varnish stain, paint enamels, etc. 344,177, Mar. 16, 1937. Republished Dec. 7. Class 16.

Consolidated Wire and Associated Companies: *See*—
Consolidated Wire and Associated Corporations.

Consolidated Wire and Associated Corporations, by Consolidated Wire and Associated Companies, Chicago, Ill. Electrical and radio apparatus. 344,374, Mar. 23, 1937. Republished Dec. 7. Class 21.

Continental Bookkeeping Service, assignor to Continental Bookkeeping Service, Kansas City, Mo. Bookkeeping forms and accounting records. 504,688, Dec. 7; Serial No. 543,685, published Aug. 24, 1948. Class 37.

Continental-Diamond Fibre Company: *See*—
Diamond State Fibre Company.

Continental Distilling Corporation, Philadelphia Pa. Distilled potable alcoholic beverages. 504,548, Dec. 7; Serial No. 526,594, published Sept. 7, 1948. Class 49.

Continental Foundry & Machine Company: *See*—
Duquesne Steel Foundry Company.

Continental Optical Company, by Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic lenses. 259,418, July 30, 1929. Republished Dec. 7. Class 26.

Continental Optical Company, Inc.: *See*—
Continental Optical Company.

Continental-United Industries Co., Inc.? *See*—
Hanover Wire Cloth Company.

Cook, F. W., Company, Inc., Evansville, Ind. Fermented malt beverages. 307,387, Oct. 24, 1933. Republished Dec. 7. Class 48.

Corn Products Refining Company: *See*—
National Starch Manufacturing Company.

Coro, Inc., New York, N. Y. Necklaces, bracelets, earrings, etc. 504,668, Dec. 7; Serial No. 538,498, published Aug. 31, 1948. Class 28.

Corvette Leather Goods Company: *See*—
Roskin, Morris.

Courvoisier, Limited, Jarnac, France. Cognac brandies. 308,389, Dec. 5, 1933. Republished Dec. 7. Class 49.

Courvoisier, Limited, Jarnac, France. Brandies. 311,352, Mar. 20, 1934. Republished Dec. 7. Class 49.

Courvoisier, Limited, Jarnac, France. Brandies. 314,217, June 19, 1934. Republished Dec. 7. Class 49.

Courvoisier, Limited, Jarnac, France. Brandies. 326,293, July 23, 1935. Republished Dec. 7. Class 49.

Cracker Jack Co., The: *See*—
Rueckheim Bros. & Eckstein.

Craftex Mills, Inc. of Penna., Philadelphia, Pa. Textile fabrics in the piece. 504,533, Dec. 7; Serial No. 506,369, published Aug. 24, 1948. Class 42.

Crescent Chemical Corporation, Philadelphia, by Hood Chemical Co., Inc., Pittsburgh, Pa. Laundry sours. 271,851, June 17, 1930. Republished Dec. 7. Class 6.

Crescent Chemical Corporation, Philadelphia, by Hood Chemical Co., Inc., Pittsburgh, Pa. Laundry sours. 418,261, Dec. 11, 1945. Republished Dec. 7. Class 6.

Crompton Company, Crompton, R. I. Corduroy fabrics in the piece. 441,540, Dec. 7; Serial No. 508,980, published Aug. 31, 1948. Class 42.

Crystaline Salt Company, Boston, Mass., by Worcester Salt Company, New York, N. Y. Salt. 54,199, June 19, 1906. Republished Dec. 7. Class 46.

D. M. Distillery Co. S. A., Juarez, Chihuahua, Mexico. Whiskey. 504,537, Dec. 7; Serial No. 510,493, published Aug. 24, 1948. Class 49.

Danbury Rubber Company, Inc., Danbury, Conn. Slabs and sheets of vulcanized rubber. 504,626, Dec. 7; Serial No. 533,279, published Aug. 17, 1948. Class 50.

Daniel, Jack, Distillery, Lem Motlow, Prop., Inc. Lynchburg, Tenn. Whiskey. 441,565, Dec. 7; Serial No. 525,557, published Aug. 24, 1948. Class 49.

D'Arcy, Cora M., Indianapolis, Ind. Baby soap. 412,227, Feb. 27, 1945. Republished Dec. 7. Class 4.

Davison Chemical Corporation, The, Baltimore, Md. Asphaltic compound. 504,704, Dec. 7; Serial No. 470,258. Class 12.

Dehls & Stein, to Dehls & Stein, Inc., Newark, N. J. Cleansing, sterilizing, and purifying fluid. 246,039, renewed Aug. 28, 1948. O. G. Dec. 7. Class 6.

Dehls & Stein, Inc.: *See*—
Dehls & Stein.

Delapenha, R. U., & Co. Inc., New York, N. Y. Apple brandy. 504,634, Dec. 7; Serial No. 534,607, published Aug. 17, 1948. Class 49.

Delaware, Lackawanna & Western Coal Company, The, New York, N. Y. Coal. 248,219, renewed Oct. 16, 1948. O. G. Dec. 7. Class 1.

De Lendrecie, O. J., Company, Fargo, N. Dak. Women's under and outer wearing apparel. 362,197, Nov. 15, 1938. Republished Dec. 7. Class 39.

De Long Hook and Eye Company, The, Philadelphia, Pa. Safety pins, hooks and eyes, and snap fasteners. 441,530, Dec. 7; Serial No. 495,726, published Aug. 10, 1948. Class 40.

Delpark, Inc.: *See*—
Parker, Bedell.

Diamond Printing Machinery Co., Cleveland, Ohio. Printing machinery. 504,541, Dec. 7; Serial No. 515,259, published Aug. 10, 1948. Class 23.

Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Pa., by Continental-Diamond Fibre Company, Newark, Del. Electrical insulation and insulating objects. 133,953, Aug. 10, 1920. Republished Dec. 7. Class 21.

Diamond T Preserving Co., by California Morning Foods, Inc., Los Angeles, Calif. Berry preserves, jellies, and marmalades. 416,427, Sept. 11, 1945. Republished Dec. 7. Class 46.

Diamond T Preserving Co., by California Morning Foods, Inc., Los Angeles, Calif. Bottled fruit juice and pulp for food purposes, jellies, fruit and berry preserves, etc. 423,048, Aug. 20, 1946. Republished Dec. 7. Class 46.

Die Eau de Cologne- & Parfumerie-Fabrik "Glockengasse No. 4711" gegenuber der Pferdepost von Ferd. Mulhens: *See*—
Mülhens, Paul P.

Dios Chemical Company, St. Louis, Mo. Antispasmodic, nervine, anodyne, etc. 44,421, July 4, 1905. Republished Dec. 7. Class 6.

Display Lighting, Incorporated, New York, N. Y. Electric spotlights and boomlights and parts thereof. 431,277, July 15, 1947. Republished Dec. 7. Class 21.

Dixon Valve & Coupling Co., Philadelphia, Pa. Air hose couplings and clamps. 441,561, Dec. 7; Serial No. 522,901, published Aug. 17, 1948. Class 13.

Doughboy Industries, Inc.: *See*—
Doughboy Mills, Inc.

Doughboy Mills, Inc., now by change of name Doughboy Industries, Inc., by Doughboy Industries, Inc., New Richmond, Wis. Breakfast cereals. 428,369, Mar. 25, 1947. Republished Dec. 7. Class 46.

Druge Brothers Manufacturing Co., Oakland, Calif. Air chucks, water faucets, radiators, air hose, etc. 504,572, Dec. 7; Serial No. 529,219, published Aug. 17, 1948. Class 13.

Duquesne Steel Foundry Company, Pittsburgh, Pa., by Continental Foundry & Machine Company, East Chicago, Ind. Iron and steel castings. 262,962, Oct. 29, 1929. Republished Dec. 7. Class 14.

Eastern Coal Corporation, by Eastern Coal Sales Company, Bluefield, W. Va. Bituminous coals. 354,788, Feb. 22, 1938. Republished Dec. 7. Class 1.

Eastern Coal Sales Company: *See*—
Eastern Coal Corporation.

Edwal Laboratories, Inc., The, Chicago, Ill. Fine grain film developer. 504,563, Dec. 7; Serial No. 527,949, published Aug. 31, 1948. Class 6.

Emm-An-Cee Company, The, by M & C Foods, Inc., Chicago, Ill. Ravioli, farfalle, French dressing, etc. 260,160, Aug. 20, 1929. Republished Dec. 7. Class 46.

Emons, Ernest E., Akron, Ohio, to American Optical Company, Southbridge, Mass. Spectacles, spectacle frames, and parts thereof. 248,381, renewed Oct. 16, 1948. O. G. Dec. 7. Class 26.

Essential Chemicals Co., Milwaukee, Wis. Soap. 504,702, Dec. 7; Serial No. 550,591, published Aug. 24, 1948. Class 4.

Esterbrook Pen Company, The, Camden, N. J. Writing pens of all kinds. 504,629, Dec. 7; Serial No. 533,861, published Aug. 17, 1948. Class 37.

Etablissements F. Vinatié: *See*—
Arnoult, J.

Executive Ribbon & Carbon Co., Inc., New York, to A. P. Little, Inc., Rochester, N. Y. Carbon paper and typewriter ribbons. 254,133, renewed Mar. 12, 1949. O. G. Dec. 7. Class 11.

Faber, Coe & Gregg, Inc., New York, N. Y. pipes, pipe cleaners, ash trays, etc. 504,593, Dec. 7; Serial No. 530,635, published Aug. 24, 1948. Class 8.

Fabrique Des Montres Moeris, F. Moeri S. A., St. Imier, Switzerland. Watches, watch movements, and parts thereof. 441,568–9, Dec. 7; Serial Nos. 513,618–19. Class 27.

Fae Manufacturing Company: *See*—
Wentzel, Robert A.

Famous-Sternberg, Inc., New Orleans, La. Men's and boys' suits. 323,001, Mar. 26, 1935. Republished Dec. 7. Class 39.

Fender Mayonnaise Company, Jacksonville, Fla. Mayonnaise, sandwich spread, Thousand Island dressing, etc. 283,445, May 26, 1931. Republished Dec. 7. Class 46.

First National Bank of Chicago, executor, trustee: *See*—
Schwab, Martin C.

Firth Sterling Steel & Carbide Corp.: *See*—
Firth-Sterling Steel Company.

Firth-Sterling Steel Company, by Firth Sterling Steel & Carbide Corp., McKeesport, Pa. Steel bars, blocks, disks, and pieces of steel. 238,319, Feb. 7, 1928. Republished Dec. 7. Class 14.

Firth-Sterling Steel Company, by Firth Sterling Steel & Carbide Corp., McKeesport, Pa. Steel bars, blocks, steel disks, etc. 238,338, Feb. 7, 1928. Republished Dec. 7. Class 14.

Flintkote Company, The, Boston, Mass., to The Flintkote Company, New York, N. Y. Asphaltic composition roofing shingles. 248,265, renewed Oct. 16, 1948. O. G. Dec. 7. Class 12.

Flintkote Company, The, Boston, Mass., to The Flintkote Company, New York, N. Y. Asphaltic composition roofing shingles. 248,278, renewed Oct. 16, 1948. O. G. Dec. 7. Class 12.

Flintkote Company, The, Boston, Mass., to The Flintkote Company, New York, N. Y. Composition roll roofing, composition shingles and strip shingles, waterproof roofing and building paper. 250,528, renewed Dec. 11, 1948. O. G. Dec. 7. Class 12.

Flintkote Company, The, Boston, Mass., to The Flintkote Company, New York, N. Y. Asphaltic composition roofing shingles. 250,643, renewed Dec. 11, 1948. O. G. Dec. 7. Class 12.

Floor-O-Matic Inc., New York, N. Y. Floor wax. 441,564, Dec. 7; Serial No. 524,789, published Aug. 3, 1948. Class 16.

Floridagold Citrus Corporation: *See*—
Hausinger, R. C.

Forrest, Hal: *See*—
Bell Syndicate, Inc., The.

Forstmann & Huffmann Company, to Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 245,824, renewed Aug. 21, 1948. O. G. Dec. 7. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 246,273–5, renewed Sept. 4, 1948. O. G. Dec. 7. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 247,313–14, renewed Sept. 25, 1948. O. G. Dec. 7. Class 42.

Forstmann Woolen Company: *See*—
Forstmann & Huffmann Company.

Four Wheel Drive Auto Co., Clintonville, Wis. Motor-driven trucks. 107,444, Nov. 30, 1915. Republished Dec. 7. Class 19.

Frances Citrus Association, Santa Ana, Calif. Fresh citrus fruits. 239,943, Mar. 13, 1928. Republished Dec. 7. Class 46.

Frances Citrus Association, Santa Ana, Calif. Fresh oranges. 310,779, Mar. 6, 1934. Republished Dec. 7. Class 46.

Franklin Research Company, Philadelphia, Pa. Water and wax emulsions. 310,716, Mar. 6, 1934. Republished Dec. 7. Class 16.

Fuller, D. B., & Co., Inc., New York, N. Y. Cotton piece goods. 504,644, Dec. 7; Serial No. 535,314, published Aug. 31, 1948. Class 42.

Furmanite Company, The: *See*—
Furmanite Corporation, The.

Furmanite Corporation, The, Newport News, by The Furmanite Company, Norfolk, Va. Plastic leak-sealing compound. 231,409, Aug. 16, 1927. Republished Dec. 7. Class 12.

Furmanite Corporation, The, Newport News, by The Furmanite Company, Norfolk, Va. Equipment for sealing leaks in metal containers. 232,149, Sept. 6, 1927. Republished Dec. 7. Class 23.

Galbraith, Fred, doing business as Galico Co., New York, N. Y. Combination cover and ironing board pad. 441,529, Dec. 7; Serial No. 495,465, published Aug. 31, 1948. Class 24.

Galico Co.: *See*—
Galbraith, Fred.

General Alloys Company, Boston, Mass. Castings of metal alloy. 252,137–9, renewed Jan. 22, 1949. O. G. Dec. 7. Class 14.

General Alloys Company, Boston, Mass. Castings of metal alloy. 253,524, renewed Feb. 26, 1949. O. G. Dec. 7. Class 14.

General Aniline & Film Corporation: *See*—
Ansco Company.

General Detroit Corp., The, Detroit, Mich. Fire hose. 417,543, Oct. 30, 1945. Republished Dec. 7. Class 35.

General Grocer Company: *See*—
Tibbitts-Hewitt Grocery Company.

General Metals Powder Company, The, Akron, Ohio. Powdered or finely divided metals. 316,538, Aug. 28, 1934. Republished Dec. 7. Class 14.

General Thread Mills, Inc., The: *See*—
Locke, H. E., & Company, Inc.
Locke, Herbert E.

General Thread Mills, Inc., The, Boston, Mass. Cotton stitching thread and heavy cotton sewing thread. 504,590–2, Dec. 7; Serial Nos. 530,492–4, published Aug. 10, 1948. Class 43.

Gentile Bros. Company: *See*—
Tree-Gold Cooperative Growers of Florida.

Geraci, James P., doing business as Nola Wine & Supply Company, Cleveland, Ohio. Wines. 441,554, Dec. 7; Serial No. 517,990, published Aug. 17, 1948. Class 47.
Gettelman, A., Brewing Company, Milwaukee, Wis. Malt beverages. 313,899, June 12, 1934. Republished Dec. 7. Class 48.
Gettelman, A., Brewing Company, Milwaukee, Wis. Beer. 322,391, Mar. 5, 1935. Republished Dec. 7. Class 48.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. Ironing tables. 504,685, Dec. 7; Serial No. 541,128, published Aug. 31, 1948. Class 24.
Gilbert Paper Company, Menasha, Wis., and Mittineague, Mass., assignor to Southworth Company, by Gilbert Paper Company, Menasha, Wis. Bond paper. 274,875, Sept. 9, 1930. Republished Dec. 7. Class 37.
Gillette Safety Razor Company: *See*—
Auto Strop Safety Razor Company, Inc.
Glenmore Distilleries Company: *See*—
Glenmore Distilleries Co.
Glenmore Distilleries Co., Owensboro, by Glenmore Distilleries Company, Louisville, Ky. Whiskey. 309,473, Jan. 16, 1934. Republished Dec. 7. Class 49.
Goetz, M. K., Brewing Co., St. Joseph, Mo. Malt tonic. 252,361, renewed Feb. 5, 1949. O. G. Dec. 7. Class 6.
Goldman, D. H., doing business as Zeen Chemical Company, by Rose Goldman, Cleveland, Ohio. Dry cleaning fluid, rug and carpet wet shampoo, dry cleaner, etc. 350,985, Oct. 12, 1937. Republished Dec. 7. Class 4.
Goldman, Rose: *See*—
Goldman, D. H.
Goodall-Sanford, Inc., Sanford, Maine. Vinyl plastic film or sheeting. 441,553, Dec. 7; Serial No. 516,768, published Aug. 24, 1948. Class 42.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Hose of all kinds. 504,564, Dec. 7; Serial No. 528,459, published Aug. 17, 1948. Class 35.
Grace & Wayne Co., New York, N. Y. Coated fabrics in the piece. 504,673, Dec. 7; Serial No. 539,046, published Aug. 31, 1948. Class 42.
Gradiaz, Annis & Co., Inc.: *See*—
Sanchez & Haya Company.
Grant Storage Battery Company, Minneapolis, Minn. Storage batteries. 245,719, renewed Aug. 21, 1948. O. G. Dec. 7. Class 21.
Grapeteen Beverage Company: *See*—
Ross, Paul I.
Graupner, R. H., doing business as Canadian Pale Products Association, Harrisburg, by Robert H. Graupner, Inc., Philadelphia and Harrisburg, Pa. Malt beverages. 281,600, Mar. 3, 1931. Republished Dec. 7. Class 48.
Graupner, Robert H., Harrisburg, by Robert H. Graupner, Inc., Philadelphia and Harrisburg, Pa. Malt beverages. 306,198, Sept. 12, 1933. Republished Dec. 7. Class 48.
Graupner, Robert H., Harrisburg, by Robert H. Graupner, Inc., Philadelphia and Harrisburg, Pa. Malt beverages. 310,021, Feb. 6, 1934. Republished Dec. 7. Class 48.
Graupner, Robert H., Harrisburg, by Robert H. Graupner, Inc., Philadelphia and Harrisburg, Pa. Ale. 322,774, Mar. 19, 1935. Republished Dec. 7. Class 48.
Graupner, Robert H., Inc.: *See*—
Graupner, R. H.
Graupner, Robert H.
Great American Tea Company, The, New York, N. Y. Polish for furniture and woodwork. 504,570, Dec. 7; Serial No. 528,860, published Aug. 3, 1948. Class 16.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Liquid floor wax and wax paste. 441,546, Dec. 7; Serial No. 511,017, published Aug. 10, 1948. Class 16.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Liquid floor wax and wax paste. 504,663, Dec. 7; Serial No. 538,126, published Aug. 10, 1948. Class 16.
Great Lakes Coal & Dock Co., St. Paul, Minn. Fuel. 383,130–1. Nov. 26, 1940. Republished Dec. 7. Class 1.
Great Lakes Coal & Dock Co., St. Paul, Minn. Fuel. 383,147. Nov. 26, 1940. Republished Dec. 7. Class 1.
Great Lakes Coal & Dock Co., St. Paul, Minn. Fuel. 383,313, Dec. 3, 1940. Republished Dec. 7. Class 1.
Great Lakes Coal & Dock Co., St. Paul, Minn. Fuel. 383,573, Dec. 17, 1940. Republished Dec. 7. Class 1.
Great Lakes Coal & Dock Co., St. Paul, Minn. Fuel. 396,773, Aug. 4, 1942. Republished Dec. 7. Class 1.
Great Lakes Coal & Dock Co., St. Paul, Minn. Fuel. 424,598, Oct. 15, 1946. Republished Dec. 7. Class 1.
Great Stuff Products, Inc., Minneapolis, Minn. Automobile cleaner and polish and furniture and bar polish. 504,599, Dec. 7; Serial No. 531,027, published July 20, 1948. Class 16.
Greenfield's, E., Sons, Inc., now by merger Henry Heide, Incorporated, by Henry Heide, Incorporated, New York, N. Y. Candies and chocolates. 349,215–16, Aug. 24, 1937. Republished Dec. 7. Class 46.
Greenfield's, E., Sons, Inc., now by merger Henry Heide, Incorporated, by Henry Heide, Incorporated, New York, N. Y. Candies. 349,218, Aug. 24, 1937. Republished Dec. 7. Class 46.
Gribbon Company, Inc., New York, N. Y. Fabrics in the piece. 504,670, Dec. 7; Serial No. 538,636, published Aug. 31, 1948. Class 42.
Haas, Baruch & Co., Los Angeles, Calif. Brandied peaches, pear pickles, apricot pickles, etc. 125,703, June 3, 1919. Republished Dec. 7. Class 46.
Haas, Baruch & Co., Los Angeles, Calif. Canned shrimp, canned crab, canned minced clams, etc. 130,312, Apr. 20, 1920. Republished Dec. 7. Class 46.
Haas, Baruch & Co., Los Angeles, Calif. Fruits canned in glass, canned Melba pears, preserves in glass, etc. 134,369, Aug. 31, 1920. Republished Dec. 7. Class 46.
Haas Brothers, San Francisco, Calif. Canned fruits, canned vegetables, canned fruits for salad, etc. 425,788, Dec. 3, 1946. Republished Dec. 7. Class 46.
Haller, W. A., Corporation, Philadelphia, Pa. Distilled potable alcoholic beverages. 504,568, Dec. 7; Serial No. 528,791, published Sept. 7, 1948. Class 49.
Hanna, M. A., Company, The, Cleveland, Ohio. Hard coal, bituminous coal, and coke. 276,421, Oct. 21, 1930. Republished Dec. 7. Class 1.
Hanover Wire Cloth Company, Hanover, Pa., by Continental-United Industries Co., Inc., New York, N. Y. Wire cloth. 424,371, Oct. 1, 1946. Republished Dec. 7. Class 13.
Hanson Scale Company, Chicago, Ill. Household scales. 504,713, Dec. 7; Serial No. 527,478. Class 26.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Pencils. 504,631, Dec. 7; Serial No. 534,113, published Aug. 10, 1948. Class 37.
Hardwood, Duncan & Company, Ltd., Vancouver, British Columbia, Canada. Whiskey, gin, rum, etc. 504,709, Dec. 7; Serial No. 514,472. Class 49.
Hardwood Products Company, Mayville, Mich. Toothpicks. 332,744, Feb. 25, 1936. Republished Dec. 7. Class 44.
Harris Raincoat Company, to Harris Raincoat Company, Inc., New York, N. Y. Water-proofed clothing. 236,852, renewed Dec. 27, 1947. O. G. Dec. 7. Class 39.
Harris Raincoat Company, Inc.: *See*—
Harris Raincoat Company.
Hausinger, R. C., doing business as Texas Food Products Co., Sugar Land and Mission, Tex., by Floridagold Citrus Corporation, Lake Alfred, Fla. Canned citrus fruit juices. 391,929, Dec. 2, 1941. Republished Dec. 7. Class 46.
Hebert, Tom, doing business as Lucullus, by Calcutta Club Products, Inc., New York, N. Y. Chutney. 413,018. Apr. 3, 1945. Republished Dec. 7. Class 46.
Heide, Henry, Incorporated: *See*—
Greenfield's, E., Sons, Inc.
Heide, Henry, Incorporated, New York, N. Y. Candies. 351,003, Oct. 12, 1937. Republished Dec. 7. Class 46.
Heide, Henry, Incorporated, New York, N. Y. Chocolates. 404,511, Nov. 30, 1943. Republished Dec. 7. Class 46.
Heller, B., & Company, Chicago, Ill. Dessert powders, ice-cream powders, cocoa, etc. 243,969, renewed July 3, 1948. O. G. Dec. 7. Class 46.
Helwig & Leitch: *See*—
Helwig & Leitch Corporation.
Helwig & Leitch Corporation, by Helwig & Leitch, Baltimore, Md. Turpentine, bluing, peroxide, etc. 273,491, Aug. 5, 1930. Republished Dec. 7. Class 6.
Hewes & Potter, assignor to Hewes & Potter, Incorporated, by Hewes & Potters, Inc., Boston, Mass. Suspenders. 230,967, Aug. 9, 1927. Republished Dec. 7. Class 39.
Hewes & Potter, Inc.: *See*—
Hewes & Potter.
Hewes & Potter, Incorporated, assignee: *See*—
Hewes & Potter.
Hickok Manufacturing Co. Inc., Rochester, N. Y. Buckles, slides, grips, and clasps, etc. 504,699, Dec. 7; Serial No. 549,255, published Aug. 31, 1948. Class 40.
Hildersine Company Limited, The, Shirley, Croydon, England. Resin. 504,679, Dec. 7; Serial No. 539,699, published Sept. 7, 1948. Class 36.
Hills Brothers Company, The, New York, N. Y. Canned pimientos. 253,631, renewed Mar. 5, 1949. O. G. Dec. 7. Class 46.
Hilsenbeck, L., Inc., to Julius Schmid, Inc., New York, N. Y. Prophylactic rubber articles. 247,841, renewed Oct. 9, 1948. O. G. Dec. 7. Class 44.
Hines Flask Company, The, Cleveland, Ohio. Foundry jackets. 412,256, Feb. 27, 1945. Republished Dec. 7. Class 23.
Hoffman, Morris, New York, N. Y. Men's and ladies' jewelry made of semi-precious metals and precious metals. 416,079, Aug. 28, 1945. Republished Dec. 7. Classes 2, 3, 8, and 28.
Holland–Rantos Company, Inc., New York, N. Y. Rubberized nursery and sanitary sheeting. 504,534, Dec. 7; Serial No. 509,341, published Aug. 24, 1948. Class 42.
Holman, A. J., Company, Philadelphia, Pa. Bibles and testaments. 384,806, Feb. 4, 1941. Republished Dec. 7. Class 38.
Holman, A. J., Company, Philadelphia, Pa. Particular edition of the new testament. 392,550, Dec. 30, 1941. Republished Dec. 7. Class 38.
Holman, A. J., Company, Philadelphia, Pa. Bibles. 400,094, Feb. 16, 1943. Republished Dec. 7. Class 38.
Holzapfels Limited, Newcastle-upon-Tyne, England, by International Paint Company, Inc., New York, N. Y. Anti-corrosive and anti-fouling paint, mixed paint, and enamels. 83,069, Aug. 15, 1911. Republished Dec. 7. Class 16.
Home Brewing Company, Inc., Richmond, Va. Beer. 504,569, Dec. 7; Serial No. 528,793, published Aug. 17, 1948. Class 48.

Honig, Herbert, doing business as Tutchon Products Co., New York, N. Y. Impregnated cleansing and polishing cloth and impregnating compound therefor. 504,692, Dec. 7; Serial No. 545,985, published Sept. 7, 1948. Class 4.
Hood Chemical Co., Inc.: *See*—
Beacon Chemical Corporation.
Crescent Chemical Corporation.
Horlacher Brewing Company, Allentown, Pa. Beer. 504,535, Dec. 7; Serial No. 509,345, published Aug. 31, 1948. Class 48.
Hough Shade Corporation, Janesville, Wis. Woodlink floor mats. 504,650, Dec. 7; Serial No. 535,963, published Aug. 31, 1948. Class 50.
House for Men, Inc., The, Chicago, Ill. After shaving lotion, cologne, hair tonic, etc. 374,854, Jan. 30, 1940. Republished Dec. 7. Class 6.
House for Men, Inc., The, Chicago, Ill. Shaving soap, shaving cream, and bar soap. 383,988, Dec. 31, 1940. Republished Dec. 7. Class 4.
Houston, Sam, Company, Birmingham, Ala. Insecticides. 504,676, Dec. 7; Serial No. 539,170, published Aug. 31, 1948. Class 6.
Hudson Manufacturing Co., Minneapolis, Minn., to New Jersey Machine Corporation, Hoboken, N. J. Sprayers and spraying attachments. 248,305, renewed Oct. 16, 1948. O. G. Dec. 7. Class 23.
I. B. C. Root Beer Company, St. Louis, Mo. Non-intoxicating, non-alcoholic, non-cereal, maltless beverages. 504,554, Dec. 7; Serial No. 527,160, published Aug. 31, 1948. Class 45.
Illinois Agricultural Association, Chicago, Ill. Ready-mixed oil paint, paint enamels, and liquid and plastic roof coatings. 441,539, Dec. 7; Serial No. 508,527, published Aug. 10, 1948. Class 16.
Imperial Type Metal Company: *See*—
Imperial Type Metal Co.
Imperial Type Metal Co., by Imperial Type Metal Company, Philadelphia, Pa. Type-metal. 114,767, Jan. 2, 1917. Republished Dec. 7. Class 14.
Imperial Type Metal Company, Philadelphia, Pa. Compound used as a flux. 290,008, Dec. 22, 1931. Republished Dec. 7. Class 6.
Imperial Type Metal Company, Philadelphia, Pa. Compound used as a flux. 290,722, Jan. 12, 1932. Republished Dec. 7. Class 6.
Imperial Type Metal Company, Philadelphia, Pa. Type metal alloys. 299,936, Jan. 3, 1933. Republished Dec. 7. Class 14.
Inland Laboratories, Incorporated, by The Barbasol-Company, Indianapolis, Ind. Perfume. 376,877, Apr. 9, 1940. Republished Dec. 7. Class 6.
Inland Steel Company, Chicago, Ill. Steel sheets and plates. 504,632, Dec. 7; Serial No. 534,448, published Aug. 10, 1948. Class 14.
Interchemical Corporation, New York, N. Y. Table, shelf, stair, floor, and wall oilcloth. 441,557, Dec. 7; Serial No. 519,666, published Sept. 7, 1948. Class 20.
International Cellucotton Products Company, Chicago, Ill. All purpose absorbent paper tissues. 504,613, Dec. 7; Serial No. 532,228, published Aug. 3, 1948. Class 37.
International Cellucotton Products Company, Chicago, Ill. All purpose absorbent paper tissues. 504,614–15, Dec. 7; Serial No. 532,231–2, published Aug. 3, 1948. Class 37.
International Detrola Corporation: *See*—
Universal Cooler Corporation.
International Paint Company: *See*—
Call, William, Bitmo Company.
International Paint Company, Inc.: *See*—
Holzapfels Limited.
International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Autograph paper, bill heads, blank books, etc. 398,016, Oct. 6, 1942. Republished Dec. 7. Classes 2, 3, and 37.
International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Almanacs, annual publications, book series, etc. 398,017, Oct. 6, 1942. Republished Dec. 7. Class 38.
Irresistible, Inc.: *See*—
Joubert Cie, Inc.
Irwin, Roman J., Inc., New York, N. Y. Insecticides. 504,659, Dec. 7; Serial No. 537,702, published Aug. 17, 1948. Class 6.
J. & J. Distributing Company, Newark, N. J. Brandy, whiskey, and rum. 504,625, Dec. 7; Serial No. 533,027, published Sept. 7, 1948. Class 49.
Jack Frost Yarn Company, New York, N. Y. Knitting yarns. 254,429, renewed Mar. 26, 1949. O. G. Dec. 7. Class 43.
Jackson & Jackson, Inc., Tryon, N. C. Cotton piece goods. 504,610, Dec. 7; Serial No. 531,802, published Aug. 31, 1948. Class 42.
Jean-Louis Le Court Co.: *See*—
Parkinson, George R.
Jones, Frank, Brewing Company, Inc., Kittery, Maine, and Portsmouth, N. H. Ale. 504,574, Dec. 7; Serial No. 529,268, published Sept. 7, 1948. Class 48.
Jordan Marsh Company, Boston, Mass. Sateen blanket binding. 238,624, Feb. 14, 1928. Republished Dec. 7. Class 40.
Joseph, David J., Company, The, Cincinnati, Ohio, doing business as Trenton Manufacturing Company, Covington, Ky. Fishing equipment. 504,718, Dec. 7; Serial No. 538,146. Class 22.
Josten Manufacturing Company, Owatonna, Minnesota. Finger rings, ornamental pins, and medals, etc. 504,577, Dec. 7; Serial No. 529,468, published Aug. 24, 1948. Class 28.
Joubert Cie, Inc., assignor to Blue Waltz, Inc., by Irresistible, Inc., New York, N. Y. Perfumes. 313,649, June 5, 1934. Republished Dec. 7. Class 6.
Keith Paper Company, Turners Falls, Mass. Writing and printing paper. 424,464, Oct. 8, 1946. Republished Dec. 7. Class 37.
Kelco Company, San Diego, Calif. Algin product for use as a hydrophilic colloid. 433,814, Oct. 28, 1947. Republished Dec. 7. Class 6.
Kelco Company, San Diego, Calif. Algin product for use in water paints. 504,566, Dec. 7; Serial No. 528,730, published Aug. 3, 1948. Class 16.
Kelloggs & Miller Sales Corp., Amsterdam, N. Y., and Philadelphia, Pa. Paint oil. 504,620, Dec. 7; Serial No. 532,603, published Aug. 10, 1948. Class 16.
Kemp & Beatley: *See*—
Kemp & Beatley, Inc.
Kemp & Beatley, New York, N. Y. Tablecloths, doilies, and mat covers. 161,517, Nov. 14, 1922. Republished Dec. 7. Class 42.
Kemp & Beatley, Inc., by Kemp & Beatley, New York, N. Y. Textile fabrics in the piece, tablecloths, napkins, etc. 388,643, July 1, 1941. Republished Dec. 7. Class 42.
Kerr, Alex, Bro. & Co., Inc., by Kerr Salt Company, Philadelphia, Pa. Salt. 403,828, Oct. 19, 1943. Republished Dec. 7. Class 6.
Kerr, Alex., Bros., & Co., by Kerr Salt Company, Philadelphia, Pa. Salt. 143,059, May 24, 1921. Republished Dec. 7. Class 46.
Kerr, Alex., Brother & Co. Inc., by Kerr Salt Company, Philadelphia, Pa. Salt. 184,092, May 20, 1924. Republished Dec. 7. Class 46.
Kerr Salt Company: *See*—
Kerr, Alex, Bro. & Co., Inc.
Kerr, Alex., Bros., & Co.
Kerr, Alex., Brother & Co. Inc.
Kervita, Inc.: *See*—
Roskin, Morris.
Keystone Varnish Company, Brooklyn, N. Y. Paint enamels. 504,665, Dec. 7; Serial No. 538,292, published Aug. 10, 1948. Class 16.
Klearflax Linen Looms, Inc., The, Duluth, Minn. Rugs. 504,656, Dec. 7; Serial No. 536,906, published Aug. 31, 1948. Class 42.
Krueger, G., Brewing Company, Newark, N. J. Porter. 504,606, Dec. 7; Serial No. 531,489, published Sept. 7, 1948. Class 48.
Kuhls, H. B. Fred: *See*—
Kuhls, Hiema.
Kuhls, H. B. Fred, Estate of, Brooklyn, N. Y. Bedding composition. 381,986, Oct. 15, 1940. Republished Dec. 7. Class 12.
Kuhls, Herman B. F.: *See*—
Kuhls, Hiema.
Kuhls, Hiema, executrix of the estate of H. B. F. Kuhls, doing business as H. B. Fred Kuhls, Brooklyn, N. Y. Composition for glazing, caulking, pointing, and filling in seams. 277,117, Nov. 4, 1930. Republished Dec. 7. Class 12.
Kurfees, J. F., Paint Company, Louisville, Ky. Prepared or ready-mixed liquid paint enamels for metals. 504,645, Dec. 7; Serial No. 535,553, published Aug. 3, 1948. Class 16.
Kurfees, J. F., Paint Company, Louisville, Ky. Putty or glazing compound. 504,646, Dec. 7; Serial No. 535,560, published Aug. 3, 1948. Class 16.
Kurfees, J. F., Paint Company, Louisville, Ky. Paints in paste form. 504,647, Dec. 7; Serial No. 535,562, published Aug. 3, 1948. Class 16.
Labbe Francois and Company, Voiron, France. Cognac, brandy, alcoholic cordials, etc. 323,575, Apr. 23, 1935. Republished Dec. 7. Class 49.
La Boheme Vineyards Company: *See*—
Roma Wine Company.
Lakeside Central Company: *See*—
White & Wyckoff Mfg. Co.
White & Wyckoff Mfg. Company.
Landenberger, J. W., & Co., by J. W. Landenberger & Co., Philadelphia, Pa. Stockings and underwear. 98,401, July 14, 1914. Republished Dec. 7. Class 39.
Landenberger, J. W., & Co., Philadelphia, Pa. Yarn. 341,413, Dec. 8, 1936. Republished Dec. 7. Class 43.
Landenberger, J. W., & Co., Philadelphia, Pa. Hosiery. 342,621, Jan. 19, 1937. Republished Dec. 7. Class 39.
Landenberger, J. W., & Co., Philadelphia, Pa. Hosiery. 357,202, May 24, 1938. Republished Dec. 7. Class 39.
Laurel Hosiery Company, Reading, Pa. Hosiery. 321,292, Jan. 29, 1935. Republished Dec. 7. Class 39.
Lee Brothers (Overwear) Limited, London, England. Motor robes (textile lap robes). 236,196, Dec. 6, 1927. Republished Dec. 7. Class 42.
Levy, M. S., & Sons, Inc., Baltimore, Md., and New York, N. Y., to Men's Hats, Incorporated, Baltimore, Md. Straw hats. 248,928, renewed Nov. 6, 1948. O. G. Dec. 7. Class 39.

Lincoln Fabrics, Co. Inc., New York, N. Y., assignee of Lincoln Fabrics, Inc. Piece goods of rayon, silk, silk and rayon, etc. 504,544, Dec. 7; Serial No. 517,494, published Aug. 24, 1948. Class 42.

Lincoln Fabrics, Inc.: *See*—
Lincoln Fabrics, Co. Inc.

Locke, H. E., & Company, Inc., by The General Thread Mills, Inc., Boston, Mass. Thread and yarn. 130,088, Apr. 6, 1920. Republished Dec. 7. Class 43.

Locke, H. E., & Company, Inc., by The General Thread Mills, Inc., Boston, Mass. Thread and yarn. 136,077, Oct. 26, 1920. Republished Dec. 7. Class 43.

Locke, Herbert E., by The General Thread Mills, Inc., Boston, Mass. Cotton thread. 57,413, Nov. 13, 1906. Republished Dec. 7. Class 43.

Longview Fibre Company, Longview, Wash. Wrapping paper. 504,546–7, Dec. 7; Serial Nos. 526,535–6, published Aug. 17, 1948. Class 37.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 319,539, Nov. 27, 1934. Republished Dec. 7. Class 4.

Lucullus: *See*—
Hebert, Tom.

Lutringer & Kammerer, Inc., New York, N. Y. Watches and watch cases. 504,674, Dec. 7; Serial No. 539,065, published Aug. 31 1948. Class 27.

M & C Foods, Inc.: *See*—
Emm-An-Cee Company The.

MacLean-Fogg Lock Nut Company, Chicago, Ill. Various types of nuts and bolts, nut locking devices, etc. 504,579, Dec. 7; Serial No. 529,902, published Aug. 24, 1948. Class 13.

Macy, R. H., & Co., Inc., New York, N. Y. Chinaware. 250,407, renewed Dec. 11, 1948. O. G. Dec. 7. Class 30.

Macy, R. H., & Co., Inc., New York, N. Y. Candies. 252,261, renewed Jan. 29, 1949. O. G. Dec. 7. Class 46.

Maglione, Gutierrez & Compañia, Buenos Aires, Argentina. Champagne wines, sparkling wines, and wines in general. 441,566, Dec. 7; Serial No. 464,511. Class 47.

Majestic Silver Co., The, New Haven, Conn. Silver and silver plated table cutlery and flatware. 504,539, Dec. 7; Serial No. 515,931, published Aug. 24, 1948. Class 26.

Majestic Silver Co., The, New Haven, Conn. Table cutlery and flatware. 504,540, Dec. 7; Serial No. 515,032, published Aug. 17, 1948. Class 23.

Malt-A-Plenty, Inc.: *See*—
Burt, Harry B.

Manahan Moth Paper Company: *See*—
White Tar Company of New Jersey, Inc., The.

Manifold Supplies Company, Brooklyn, N. Y. Carbon paper and inked ribbons. 504,693, Dec. 7; Serial No. 546,504, published Aug. 31, 1948. Class 11.

Mankato Brewing Company, Mankato, Minn. Beer. 504,648, Dec. 7; Serial No. 535,577, published Aug. 31, 1948. Class 48.

Manufacturers Warehouse, Atlanta, Ga. Tire paint concentrate. 441,541, Dec. 7; Serial No. 509,524, published Aug. 3, 1948. Class 16.

Marblehead Lime Company, Chicago, Ill. Animal feed supplement. 504,683, Dec. 7; Serial No. 540,427, published Aug. 31, 1948. Class 6.

Marcus & Wiesen, Inc., New York, N. Y., by Vanity Fair Mills, Inc., Reading, Pa. Girdles. 305,749, Aug. 22, 1933. Republished Dec. 7. Class 39.

Markem Machine Company, Keene, N. H. Cleaning compound. 504,703, Dec. 7; Serial No. 554,138, published Aug. 24, 1948. Class 4.

Marlin Firearms Company, The: *See*—
Marlin Firearms Co., The.

Marlin Firearms Co., The, to The Marlin Firearms Company, New Haven, Conn. Shotguns and rifles. 72,755, re-renewed Feb. 16, 1949. O. G. Dec. 7. Class 9.

Marquette Manufacturing Co. Inc., Minneapolis, Minn. Electric arc welders, electric arc torches, electrode holders, etc. 441,567, Dec. 7; Serial No. 504,988. Class 21.

Marshall Field & Company, Chicago, Ill. Rugs. 504,696, Dec. 7; Serial No. 547,137, published Aug. 31, 1948. Class 42.

Maskin-Och Brobygnads Aktiebolaget, Helsingfors, to Wärtsilä-Yhtymä O/y-Wärtsilä-Koncernen A/B, Vartsilla, Finland. Dairy machinery. 252,336, renewed Feb. 5, 1949. O. G. Dec. 7. Class 23.

Masonite Corporation, Chicago, Ill., and Laurel, Miss. Binders in liquid form. 504,545, Dec. 7; Serial No. 571,742, published Aug. 31, 1948. Class 5.

Mass & Waldstein Company, Newark, N. J. Synthetic and other resins. 441,531, Dec. 7; Serial No. 495,977, published Aug. 3, 1948. Class 16.

Massachusetts Cotton Mills, Lowell, Mass., by Burlington Mills Corporation, Greensboro, N. C. Cotton piece goods. 49,211, Jan. 30, 1906. Republished Dec. 7. Class 42.

Massera, Al, by W. Massera, doing business as Al Massera, Watsonville, Calif. Fresh vegetables. 373,232, Nov. 28, 1939. Republished Dec. 7. Class 46.

Massera, Wilma: *See*—
Massera, Al.

Master Mechanics Co., The, Cleveland, Ohio. Ready mixed liquid paint and paint thinner. 441,550, Dec. 7; Serial No. 514,968, published Aug. 3, 1948. Class 16.

Master Mechanics Co., The, Cleveland, Ohio. Rapid drying rubberized wall finish. 441,551, Dec. 7; Serial No. 514,974, published Aug. 10, 1948. Class 16.

Mathieson Alkali Works, The, New York, N. Y. Sanitizing agents with germicidal properties. 504,618, Dec. 7; Serial No. 532,472, published Aug. 10, 1948. Class 6.

Matthews, W. N., Corporation, St. Louis, Mo. Ground-anchors. 504,553, Dec. 7; Serial No. 527,120, published Aug. 31, 1948. Class 13.

Maury-Cole Company, to Canova Foods, Incorporated, Memphis, Tenn. Coffee. 251,302, renewed Jan. 1, 1949. O. G. Dec. 7. Class 46.

McGreevey, Werring & Howell, Inc., New York, N. Y. Ladies' dresses, hats, coats, etc. 249,075, renewed Nov. 6, 1948. O. G. Dec. 7. Class 39.

McQuade, John & Co., Inc., New York, N. Y. Enamel paints. 441,528, Dec. 7; Serial No. 486,213, published Aug. 10, 1948. Class 16.

Mead Johnson & Company, Evansville, Ind. Hypoallergenic product, etc. 504,543, Dec. 7; Serial No. 516,940, published Aug. 31, 1948. Class 6.

Mennen Company, The, Newark, N. J. Shaving cream. 253,177, renewed Feb. 19, 1949. O. G. Dec. 7. Class 4.

Mennen Company, The, Newark, N. J. Hair dressing. 504,689, Dec. 7; Serial No. 544,454, published June 1, 1948. Class 6.

Merchants Chemical Company, The, Stamford, Conn. Protective resinous coating composition in the nature of paint. 441,549, Dec. 7; Serial No. 513,437, published Sept. 7, 1948. Class 16.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Paints, paint enamels, and varnishes. 504,588, Dec. 7; Serial No. 530,413, published Aug. 3, 1948. Class 16.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Protective metal paints in liquid form. 504,660, Dec. 7; Serial No. 537,807, published Aug. 3, 1948. Class 16.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Aluminum paint. 504,671, Dec. 7; Serial No. 538,797, published Aug. 3, 1948. Class 16.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Rust-resistant priming paint. 504,675, Dec. 7; Serial No. 539,070, published Aug. 3, 1948. Class 16.

Metal Textile Corporation, by Metal Textile Corporation, West Orange, N. J. Knitted metallic fabrics. 228,603, June 7, 1927. Republished Dec. 7. Class 13.

Meyer & Lange, Inc., New York, N. Y. Paprika, onions, mushrooms, etc. 93,885, Oct. 21, 1913. Republished Dec. 7. Class 46.

Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 167,201–2, Apr. 24, 1923. Republished Dec. 7. Class 46.

Midland Flour Milling Co., The, North Kansas City, Mo. Bread. 167,413, May 1, 1923. Republished Dec. 7. Class 46.

Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 172,759, Sept. 11, 1923. Republished Dec. 7. Class 46.

Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 178,866, Jan. 29, 1924. Republished Dec. 7. Class 46.

Midland Flour Milling Co., The, Kansas City, Mo. Wheat flour. 220,015, Oct. 26, 1926. Republished Dec. 7. Class 46.

Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 299,768, Dec. 20, 1932. Republished Dec. 7. Class 46.

Miller and Zehrung Company: *See*—
Zehrung Chemical Company.

Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Varnish. 504,678, Dec. 7; Serial No. 539,602, published Aug. 10, 1948. Class 16.

Mission Provision Company, San Antonio, Tex. Smoked meats. 254,787, Apr. 2, 1929. Republished Dec. 7. Class 46.

Modern Venetian Blinds, Inc., New York, N. Y. Venetian blinds. 504,657, Dec. 7; Serial No. 536,945, published Sept. 7, 1948. Class 32.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resin coating compositions. 504,589, Dec. 7; Serial No. 530,418, published Aug. 3, 1948. Class 16.

Morey, C. S., Mercantile Company, The, by The Morey Mercantile Company, Denver, Colo. Coffee. 52,130, May 1, 1906. Republished Dec. 7. Class 46.

Morey, C. S., Mercantile Company, The, by The Morey Mercantile Company, Denver, Colo. Flavoring extracts. 64,380, Aug. 6, 1907. Republished Dec. 7. Class 46.

Morey, C. S., Mercantile Company, The, by The Morey Merchantile Company, Denver, Colo. Dried fruits, olives, canned fruits, etc. 66,038, Nov. 5, 1907. Republished Dec. 7, 1948. Class 46.

Morey Merchantile Company, The: *See*—
Morey, C. S., Mercantile Company, The.

Mo-Zel Chemical Products Company, St. Louis, Mo. Non-saponaceous cleaning compound. 376,958, Apr. 9, 1940. Republished Dec. 7. Class 4.

Mulford Colloid Laboratories, Philadelphia, Pa. Solution of manganese in colloidal form. 344,545, Mar. 30, 1937. Republished Dec. 7. Class 6.

Mulford Colloid Laboratories, Philadelphia, Pa. Solution of iodine in colloidal form. 344,767, Apr. 6, 1937. Republished Dec. 7. Class 6.

Mülhens, Paul P., doing business as Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenuber der Pferdepost von Ferd. Mulhens, Cologne-on-the-Rhine, Germany, vested in Attorney General of the United States, Washington, D. C., and renewed to him. Soaps, including shaving sticks. 248,478, renewed Oct. 23, 1948. O. G. Dec. 7. Class 4.

Murphy, John W., doing business as Murphy Laboratories, Upper Darby, assignor to Murphy Laboratories, Inc., by Murphy Laboratories, Inc., Clifton Heights, Pa. Shampoo. 431,875, Aug. 12, 1947. Republished Dec. 7. Class 6.

Murphy Laboratories: *See*—
Murphy, John W.

Murphy Laboratories, Inc.: *See*—
Murphy, John W.

National Lock Company, Rockford, Ill. Screws. 441,559, Dec. 7; Serial No. 521,675, published Sept. 7, 1948. Class 13.

National NuGrape Company, Atlanta, Ga. Beverage, Non-alcoholic, maltless. 441,562, Dec. 7; Serial No. 523,410, published Sept. 7, 1948. Class 45.

National Starch Manufacturing Company, The, Covington, Ky., and New York, N. Y., by Corn Products Refining Company, New York, N. Y. Corn-starch, corn-flour, and starch for laundry purposes. 30,327, July 6, 1897. Republished Dec. 7. Classes 6 and 46.

Neumann, Arthur E., Chicago, Ill. Dry, paste and ready mixed paints, lacquers and paint baking enamels, etc. 504,616, Dec. 7; Serial No. 532,331, published Aug. 3, 1948. Class 16.

New Jersey Machine Corporation: *See*—
Hudson Manufacturing Co.

New Method Paint Co., Kansas City, Mo. Varnish and paint enamel. 441,558, Dec. 7; Serial No. 521,607, published Aug. 3, 1948. Class 16.

New Orleans Coffee Co. Ltd., by American Coffee Company, Inc., New Orleans, La. Roasted and ground coffee. 49,057, Jan. 23, 1906. Republished Dec. 7. Class 46.

New York Lubricating Oil Company, New York, N. Y. Lubricating greases and lubricating oils. 106,793, Oct. 26, 1915. Republished Dec. 7. Class 15.

New York Lubricating Oil Company, New York, N. Y. Motor lubricating oils. 351,120, Oct. 19, 1937. Republished Dec. 7. Class 15.

Nicholson, H. R., Company, Baltimore, Md. Non-alcoholic, maltless beverage. 504,633, Dec. 7; Serial No. 534,498, published Sept. 7, 1948. Class 45.

Nola Wine & Supply Company: *See*—
Geraci, James P.

North Shore Manufacturing Company, Duluth, Minn. Children's play clothes. 425,829, Dec. 3, 1946. Republished Dec. 7. Class 39.

Norton Lasier Company, Chicago, Ill. Door check and door closer coil springs. 340,892, Nov. 17, 1936. Republished Dec. 7. Class 13.

Novelty Knitting Company, by Arnold Knitwear Corporation, Cohoes, N. Y. Crib sheets, pillow-cases, and knit jersey fabrics in the piece. 234,803, Nov. 8, 1927. Republished Dec. 7. Class 42.

Odorono Company, The, Cincinnati, Ohio, to The Odorono Company, Inc., Stamford, Conn. Deodorants. 252,478, renewed Feb. 5, 1949. O. G. Dec. 7. Class 6.

Odorono Company, Inc., The: *See*—
Odorono Company, The.

O'Drago, Patrick, doing business as Sta-Bull Fence Co., Detroit, Mich. Metal fences, metal gates, metal clothes posts, etc. 441,534, Dec. 7; Serial No. 502,592, published Aug. 31, 1948. Class 13.

Ohio Butterine Company, The, by The Churngold Corporation, Cincinnati, Ohio. Oleomargarin. 228,752, June 7, 1927. Republished Dec. 7. Class 46.

Ohio Florists' Association, Columbus, Ohio. Flower seeds. 504,711, Dec. 7; Serial No. 517,508. Class 1.

Old Ben Coal Corporation, Chicago, Ill. Coal. 252,012, renewed Jan. 22, 1949. O. G. Dec. 7. Class 1.

Old Ben Coal Corporation, Chicago, Ill. Coal. 252,069, renewed Jan. 22, 1949. O. G. Dec. 7. Class 1.

Old Ben Coal Corporation, Chicago, Ill. Coal. 252,125, renewed Jan. 22, 1949. O. G. Dec. 7. Class 1.

Old Town Company, The, Old Town, Maine, assignor to Stevens & Thompson Paper Co., Greenwich, N. Y. Paper plates. 504,658, Dec. 7; Serial No. 537,496, published Sept. 7, 1948. Class 2.

Onondaga Silk Company, Inc., Syracuse and New York, N. Y. Silk fabrics in the piece. 283,139, May 19, 1931. Republished Dec. 7. Class 42.

Onondaga Silk Company, Inc., Syracuse and New York, N. Y. Silk fabrics in the piece. 283,144, May 19, 1931. Republished Dec. 7. Class 42.

Onondaga Silk Company, Inc., Syracuse and New York, N. Y. Silk fabrics in the piece. 307,423, Oct. 24, 1933. Republished Dec. 7. Class 42.

Onondaga Silk Company, Inc., Syracuse and New York, N. Y. Silk fabrics in the piece. 307,810, Nov. 7, 1933. Republished Dec. 7. Class 42.

Onondaga Silk Company, Inc., New York, N. Y. Silk piece goods. 340,132, Nov. 3, 1936. Republished Dec. 7. Class 42.

Oppenheim, Collins & Company, by Oppenheim, Collins & Co. Inc., New York, N. Y. Gloves. 109,367, Apr. 4, 1916. Republished Dec. 7. Class 39.

Oppenheim, Collins & Company, by Oppenheim, Collins & Co. Inc., New York, N. Y. Outer garments. 114,905, Jan. 9, 1917. Republished Dec. 7. Class 39.

Oppenheim, Collins & Co. Inc.: *See*—
Oppenheim, Collins & Company.

Osborn, C. J., Co., New York, N. Y. Lithopone product in powdered form. 215,988, Aug. 3, 1926. Republished Dec. 7. Class 16.

Owens-Illinois Glass Company, Toledo, Ill. Closure caps for bottles and jars. 504,715, Dec. 7; Serial No. 529,922. Class 50.

Owens & Minor Drug Co., Inc., Richmond, Va. Medicinal preparation. 271,635, June 17, 1930. Republished Dec. 7. Class 6.

Pacific Knitting Mills, by Catalina, Inc., Los Angeles, Calif. Sweaters and sport coats. 350,926, Oct. 12, 1937. Republished Dec. 7. Class 39.

Palmer Candy Company: *See*—
Palmer Candy Co.

Palmer Candy Co., by W. B. Palmer, Jr., co-trustee of estate of W. B. Palmer, deceased, doing business as Palmer Candy Company, Sioux City, Iowa. Candy. 113,787, Oct. 31, 1916. Republished Dec. 7. Class 46.

Palmer Candy Co., by W. B. Palmer, Jr., co-trustee of the estate of W. B. Palmer, deceased, doing business as Palmer Candy Company, Sioux City, Iowa. Candy. 200,517, July 7, 1925. Republished Dec. 7. Class 46.

Palmer Candy Co., by W. B. Palmer, Jr., co-trustee of the estate of W. B. Palmer, deceased, doing business as Palmer Candy Company, Sioux City, Iowa. Candy. 214,954, July 6, 1926. Republished Dec. 7. Class 46.

Palmer, W. B., estate of: *See*—
Palmer Candy Co.

Palmer, William B., estate of: *See*—
Palmer Candy Co.

Palmer, William B., Jr., co-trustee: *See*—
Palmer Candy Co.

Panhard Oil Corporation, New York, N. Y. Lubricating oils and greases. 271,991, June 24, 1930. Republished Dec. 7. Class 15.

Panhard Oil Corporation, New York, N. Y. Lubricating oils and greases. 328,951, Oct. 8, 1935. Republished Dec. 7. Class 15.

Paraffine Companies, Inc., The: *See*—
Paraffine Paint Co., The.

Paraffine Companies, Inc., The, San Francisco, Calif. Prepared floor coverings. 252,677, renewed Feb. 12, 1949. O. G. Dec. 7. Class 20.

Paraffine Paint Co., The, to The Paraffine Companies, Inc., San Francisco, Calif. Felt roofing and building and sheathing papers. 72,496, re-renewed Jan. 26, 1949. O. G. Dec. 7. Class 12.

Parcleat Company, Inc., Washington, D. C. Detachable cleated non-skid metal sole plate. 441,560, Dec. 7; Serial No. 521,681, published Aug. 24, 1948. Class 13.

Parke, L. H., Company, Philadelphia, Pa. Coffee, savory, cocoa, etc. 241,944, May 8, 1928. Republished Dec. 7. Class 46.

Parker, Bedell, New York, N. Y., by Delpark, Inc., Newark, N. J. Cotton, woolen, linen and silk piece goods. 80,374, Dec. 13, 1910. Republished Dec. 7. Class 42.

Parker, Bedell, New York, N. Y., by Delpark, Inc., Newark, N. J. Belts, neckties, stocks, etc. 80,613, Jan. 10, 1911. Republished Dec. 7. Class 39.

Parker, Bedell, New York, N. Y., by Delpark, Inc., Newark, N. J. Dress shirts, negligee shirts, vests, etc. 80,614, Jan. 10, 1911. Republished Dec. 7. Class 39.

Parkinson, George R., doing business as Jean-Louis Le Court Co., New York, N. Y. Perfumes. 504,619, Dec. 7; Serial No. 532,489, published Sept. 7, 1948. Class 6.

Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready mixed paints and paint enamels. 441,532, Dec. 7; Serial No. 499,964, published Aug. 3, 1948. Class 16.

Penley Brothers, West Paris, Maine. Clothespins. 504,611, Dec. 7; Serial No. 531,832, published Aug. 17, 1948. Class 24.

Penn Tobacco Company, Wilkes-Barre, Pa. Smoking and chewing tobacco. 504,680, Dec. 7; Serial No. 539,752, published Sept. 7, 1948. Class 17.

Pepperell Manufacturing Company, Boston, Mass. Sheets, pillowcases and blankets. 504,580, Dec. 7; Serial No. 530,016, published Aug. 31, 1948. Class 42.

Perkins Soap Company, Springfield, Mass. Wax-like emulsions. 504,571, Dec. 7; Serial No. 528,904, published Aug. 17, 1948. Class 15.

Petri Cigar Co., doing business as Petri Wine Company, assignor to Safeway Stores, Incorporated, by Beverage Distributors, Inc., San Francisco, Calif. Wines. 349,334, Aug. 24, 1937. Republished Dec. 7. Class 47.

Petri Wine Company: *See*—
Petri Cigar Co.

Petroleum Heat and Power Company, New York, N. Y. Fuel oils. 504,528, Dec. 7; Serial No. 472,432, published Aug. 24, 1948. Class 15.

Philadelphia Storage Battery Co., to Philco Corporation, Philadelphia, Pa. Radio receiving sets and radio speakers. 252,655, renewed Feb. 12, 1949. O. G. Dec. 7. Class 21.

Philco Corporation: *See*—
Philadelphia Storage Battery Co.

Phillips Control Corp., Chicago, Ill. Solenoids of the electrically actuated type and solenoid valves. 420,692, Apr. 30, 1946. Republished Dec. 7. Class 21.

Placentia Mutual Orange Association, Placentia, Calif. Fresh oranges. 124,874, Mar. 18, 1919. Republished Dec. 7. Class 46.

Placentia Mutual Orange Association, Placentia, Calif. Fresh citrous fruits. 189,867, Sept. 30, 1924. Republished Dec. 7. Class 46.

Placentia Mutual Orange Association, Placentia, Calif. Fresh citrous fruits. 189,882–3, Sept. 30, 1924. Republished Dec. 7. Class 46.

Placentia Orchard Company: *See*—
Chapman Orchards.

Plasti-Glo Manufacturing Company, Chicago, Ill. Drapery and curtain brackets. 504,581, Dec. 7; Serial No. 530,017, published Aug. 24, 1948. Class 13.

Pluswood Incorporated, Oshkosh, Wis. High density resin-impregnated plywood. 410,597, Dec. 5, 1944. Republished Dec. 7. Class 12.

Plymouth Citrus Growers Assn., Plymouth, Fla. Fresh citrous fruits. 184,580, May 27, 1924. Republished Dec. 7. Class 46.

Plymouth Citrus Growers Association, Plymouth, Fla. Fresh citrus fruits. 362,533, Nov. 22, 1938. Republished Dec. 7. Class 46.

Plymouth Citrus Growers Association, Plymouth, Fla. Fresh citrus fruits. 418,080, Sept. 4, 1945. Republished Dec. 7. Class 46.

Polx, G. M., Inc., Brooklyn, N. Y. Brassières. 230,081, July 12, 1927. Republished Dec. 7. Class 39.

Polx, G. M., Inc., New York, N. Y. Strapless brassières and bandeaux. 430,640, June 17, 1947. Republished Dec. 7. Class 39.

Polx, G. M., Inc., New York, N. Y. Brassières. 431,454–5, July 22, 1947. Republished Dec. 7. Class 39.

Polk Miller Products Corporation, Richmond, Va. Liniment. 331,624, Jan. 14, 1936. Republished Dec. 7. Class 6.

Polley, H. Wm., doing business as The Southern Paint & Varnish Company, Macon, Ga. Ready-mixed paints, paint enamels, primers, etc. 441,547, Dec. 7; Serial No. 512,018, published Aug. 3, 1948. Class 16.

Pondel Fabrics, Inc., Pawtucket, R. I., assignor to Charles W. Carvin Co., Inc., New York, N. Y. Fabrics in the piece. 504,694, Dec. 7; Serial No. 546,603, published Aug. 24, 1948. Class 42.

Portex Products Company, Jersey City, N. J. Quilted padding by the yard or roll. 504,664, Dec. 7; Serial No. 538,174, published Aug. 31, 1948. Class 42.

Pressing Supply Company, Philadelphia, Pa. Ironing board pads and ironing board pad covers. 441,552, Dec. 7; Serial No. 516,571, published Sept. 7, 1948. Class 24.

Price Flavoring Extract Company: *See*—
Price Flavoring Extract Co.

Price Flavoring Extract Company, Chicago, Ill. Flavoring extracts for food. 198,923, May 26, 1925. Republished Dec. 7. Class 46.

Price Flavoring Extract Company, Chicago, Ill. Condiment sauces. 208,020, Jan. 19, 1926. Republished Dec. 7. Class 46.

Price Flavoring Extract Co., by Price Flavoring Extract Company, Chicago, Ill. Food colors. 395,668, June 2, 1942. Republished Dec. 7. Class 6.

Price, L. B., Mercantile Company, The, St. Louis, Mo. Blankets. 504,666, Dec. 7; Serial No. 538,314, published Aug. 31, 1948. Class 42.

Pure Oil Company, The, Chicago, Ill. Lubricating grease. 504,551, Dec. 7; Serial No. 526,833, published Aug. 24, 1948. Class 15.

Quality Tools Corporation, New Wilmington, Pa. Tools. 190,593, Oct. 14, 1924. Republished Dec. 7. Class 23.

Raphael, Edwin, Company, Inc., Chicago, Ill. Draperies; valences; and coated and uncoated upholstery and decorative fabrics. 441,556, Dec. 7; Serial No. 519,293, published Aug. 31, 1948. Class 42.

Raven Recording Company, Philadelphia, Pa. Mechanically grooved records. 504,651, Dec. 7; Serial No. 536,135, published Sept. 7, 1948. Class 36.

Regal Shoe Company, Whitman and Boston, to Regal Shoe Company, Whitman, Mass. Boots and shoes. 253,849, renewed Mar. 5, 1949. O. G. Dec. 7. Class 39.

Reichhold Chemicals, Inc., Detroit, Mich. Resins, resin solutions. 407,306, May 30, 1944. Republished Dec. 7. Class 1.

Reichhold Chemicals, Inc., Detroit, Mich. Synthetic plastic resins. 408,699, Aug. 29, 1944. Republished Dec. 7. Class 1.

Reichhold Chemicals, Inc., Detroit, Mich. Organic pigments. 441,543, Dec. 7; Serial No. 510,403, published Aug. 17, 1948. Class 16.

Reliance Gauge Column Company, The, Cleveland, Ohio. Liquid gage valves, gage cocks and floats. 504,578, Dec. 7; Serial No. 529,693, published Aug. 24, 1948. Class 13.

Remington Salt Company, Ithaca, by Worcester Salt Company, New York, N. Y. Salt. 178,124, Jan. 8, 1924. Republished Dec. 7. Class 46.

Resiloid Corporation, Brooklyn, N. Y. Plastic film in the piece. 504,677, Dec. 7; Serial No. 539,350, published Aug. 31, 1948. Class 42.

Richey, Bing: *See*—
Richey, Mary B.

Richey, Mary B., doing business as B. Richey, North Hollywood, Calif. Finger rings. 504,710, Dec. 7; Serial No. 514,720. Class 28.

Robinson Mfg. Company, Inc., Dayton, Tenn. Men's underwear. 363,450, Dec. 27, 1938. Republished Dec. 7. Class 39.

Rockwell Manufacturing Company, Pittsburgh, Pa. Electric motors, switch box covers, and electric welders and component parts thereof. 504,717, Dec. 7; Serial No. 534,364. Class 21.

Rokeach, I., & Sons, Inc., Brooklyn, N. Y. Scouring powder. 247,568, renewed Oct. 2, 1948. O. G. Dec. 7. Class 4.

Roma Wine Company, doing business as La Boheme Vineyards Company, Fresno, Calif., assignor, by mesne assignments, to Schenley Distillers Corporation, New York, N. Y. Wines. 441,555, Dec. 7; Serial No. 518,429, published Sept. 7, 1948. Class 47.

Rosenthal Corn Husker Company: *See*—
Rosenthal Manufacturing Company.

Rosenthal, E. M., Jewelry Co., Washington, D. C. Watches. 504,661, Dec. 7; Serial No. 537,833, published Aug. 31, 1948. Class 27.

Rosenthal Manufacturing Company, West Allis, by Rosenthal Corn Husker Company, Milwaukee, Wis. Corn harvesters. 420,079, Mar. 26, 1946. Republished Dec. 7. Class 23.

Roskin, Morris, doing business as Corvette Leather Goods Company, by M. Roskin, Gloversville, N. Y., assignor to Kervita, Inc. Hand bags. 431,750–1, Aug. 5, 1947. Republished Dec. 7. Class 3.

Ross Packing Co.: *See*—
Ross Packing Co., Inc.

Ross Packing Co., Inc., by Ross Packing Co., Selah, Wash. Dried fruits. 326,513, July 23, 1935. Republished Dec. 7. Class 46.

Ross, Paul I., doing business as Grapeteen Beverage Company, Houston, Tex. Nonalcoholic maltless beverages. 441,536, Dec. 7; Serial No. 506,346, published Aug. 17, 1948. Class 45.

Rueckheim Bros. & Eckstein, to The Cracker Jack Co., Chicago, Ill. Candied popcorn. 72,937, renewed Mar. 2, 1949. O. G. Dec. 7. Class 46.

Safeway Stores, Incorporated: *See*—
Petri Cigar Co.

Saint Louis Surfacer and Paint Company, St. Louis, Mo. Canned paints, oleoresinous varnishes, varnish stains, etc. 504,582, Dec. 7; Serial No. 530,028, published Aug. 3, 1948. Class 16.

Sanborn, Geo. W., & Son, Astoria, Oreg., by Alaska Pacific Salmon Company, Seattle, Wash. Canned salmon. 91,606, May 13, 1913. Republished Dec. 7. Class 46.

Sanborn, Geo. W., & Son, Astoria, Oreg., by Alaska Pacific Salmon Company, Seattle, Wash. Canned salmon. 93,468, Sept. 16, 1913. Republished Dec. 7. Class 46.

Sanborn, Geo. W., & Sons, Astoria, Oreg., by Alaska Pacific Salmon Company, Seattle, Wash. Canned salmon. 152,494. Feb. 28, 1922. Republished Dec. 7. Class 46.

Sanchez & Haya Company, by Gradiaz, Annis & Co., Inc., Tampa, Fla. Cigars. 88,959, Oct. 29, 1912. Republished Dec. 7. Class 17.

Sanchez & Haya Company, by Gradiaz, Annis & Co., Inc., Tampa, Fla. Cigars. 187,714, Aug. 12, 1924. Republished Dec. 7. Class 17.

Schein Brothers: *See*—
Schein Brothers, Inc.

Schein Brothers, Inc., by Schein Brothers, New York, N. Y. Hatpins. 400,116, Feb. 16, 1943. Republished Dec. 7. Class 40.

Schenley Distillers Corporation: *See*—
Roma Wine Company.

Schlitz, Jos., Brewing Company: *See*—
Schlitz, Jos., Brewing Co.

Schlitz, Jos., Brewing Co., by Jos. Schlitz Brewing Company, Milwaukee, Wis. Lager beer. 122,537, Aug. 20, 1918. Republished Dec. 7. Class 48.

Schmid, Julius, Inc.: *See*—
Hilsenbeck, L., Inc.

Schmidt, C., and Sons, Incorporated, Philadelphia, Pa. Beer, ale, bock beer, etc. 504,567, Dec. 7; Serial No. 528,746, published Sept. 7, 1948. Class 48.

Schneierson, I., & Sons, Inc., New York, N. Y. Princess slips, nightgowns, ladies' uniforms, etc. 504,684, Dec. 7; Serial No. 540,461, published Aug. 10, 1948. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Leg make-up applicators. 412,559, Mar. 13, 1945. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 413,735–8, May 8, 1945. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 413,740–3, May 8, 1945. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 414,063, May 22, 1945. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 416,785, Sept. 25, 1945. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 418,490, Dec. 25, 1945. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Boots, shoes, and slippers. 418,928, Jan. 15, 1946. Corrected. O. G. Dec. 7. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Flexible adhesive bandages. 419,224, Feb. 5, 1946. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Appliance to measure the foot for length, etc. 419,649, Feb. 26, 1946. Corrected. O. G. Dec. 7. Class 26.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Toe and heel plates. 420,023, Mar. 19, 1946. Corrected. O. G. Dec. 7. Class 13.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Elastic adhesive bandages. 421,153, May 21, 1946. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Shoes. 422,941, Aug. 20, 1946. Corrected. O. G. Dec. 7. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 423,211, Aug. 27, 1946. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 425,499, Nov. 26, 1946. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 425,614, Nov. 26, 1946. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 428,380, Mar. 25, 1947. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 429,189, Apr. 22, 1947. Corrected. O. G. Dec. 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 429,954, May 27, 1947. Corrected. O. G. Dec. 7. Class 44.

Schwab, Martin C., by First National Bank of Chicago, Chicago, Ill., executor and trustee under the will of M. C. Schwab, deceased. Shampoo. 311,562, Mar. 27, 1934. Republished Dec. 7. Class 6.

Schwab, Martin C., by The First National Bank of Chicago, Chicago, Ill., executor and trustee under the will of M. C. Schwab, deceased. Shampoo, talcum powder, face powder, etc. 336,936, July 21, 1936. Republished Dec. 7. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Linoleum paste. 504,690, Dec. 7; Serial No. 544,912, published Aug. 24, 1948. Class 5.

Seidlitz Paint & Varnish Co., Kansas City, Mo. Paints in paste or semi-paste form, and varnish. 504,652, Dec. 7; Serial No. 536,146, published Sept. 7, 1948. Class 16.

Selby Shoe Company, The, Portsmouth, Ohio. Shoes. 245,247, renewed Aug. 7, 1948. O. G. Dec. 7. Class 39.

Selby Shoe Company, The, Portsmouth, Ohio. Boots and shoes. 249,568, renewed Nov. 20, 1948. O. G. Dec. 7. Class 39.

Selig Company, The, Atlanta, Ga. Sanitary floor oil. 504,529, Dec. 7; Serial No. 488,619, published Sept. 7, 1948. Class 16.

Service Station Equipment Company, Conshohocken, Pa., by John Wood Manufacturing Company, Inc., New York, N. Y., and Muskegon, Mich. Cabinets and parts therefor. 300,971, Feb. 14, 1933. Republished Dec. 7. Class 32.

Seven-Up Company, The, St. Louis, Mo. Carbonated, non-alcoholic, non-cereal maltless beverages. 504,531, Dec. 7; Serial No. 502,723, published Aug. 24, 1948. Class 45.

Shaler Company, The, Waupun, Wis. Pneumatic vehicle tires and portable tire repair kits. 290,869, Jan. 19, 1932. Republished Dec. 7. Class 35.

Shaler Company, The, Waupun, Wis. Lubricating oil, motor gum solvent, and compounding material. 340,285, Nov. 3, 1936. Republished Dec. 7. Class 15.

Shaler Company, The, Waupun, Wis. Motor gum solvent. 361,931, Nov. 8, 1938. Republished Dec. 7. Class 6.

Shaler Company, The, Waupun, Wis. Tire tube vulcanizing equipment. 374,282, Jan. 2, 1940. Republished Dec. 7. Class 35.

Sheet Metal Manufacturing Company, Inc., Brooklyn, N. Y. Ventilators, stovepipe, elbows, etc. 118,820, Oct. 2, 1917. Republished Dec. 7. Class 34.

Shelton Hosiery Mills, Inc., Shelton, Conn. Hosiery. 276,320, Oct. 14, 1930. Republished Dec. 7. Class 39.

Sherco Watch Company: *See*—
Sherman, Irving.

Sherman, Irving, doing business as Sherco Watch Company, Philadelphia, Pa. Watches. 504,682, Dec. 7; Serial No. 540,324, published Aug. 31, 1948. Class 27.

Sherwin-Williams Company, The, Cleveland, Ohio. Thinners for paints, varnishes, enamels, etc. 311,027, Mar. 13, 1934. Republished Dec. 7. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Preparation used for preparing glossy, enameled, or varnished surfaces. 368,287, July 13, 1939. Republished Dec. 7. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Oils. 371,288, Sept. 19, 1939. Republished Dec. 7. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, varnishes, lacquers, etc. 374,697, Jan. 23, 1940. Republished Dec. 7. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Varnishes. 378,829, June 18, 1940. Republished Dec. 7. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Synthetic resins. 384,679–80, Jan. 28, 1941. Republished Dec. 7. Class 1.

Sherwin-Williams Company, The, Cleveland, Ohio. Synthetic resins. 387,756–7, May 27, 1941. Republished Dec. 7. Class 1.

Sherwin-Williams Company, The, Cleveland, Ohio. Chemicals for exterminating weeds. 504,532, Dec. 7; Serial No. 504,217, published Aug. 31, 1948. Class 6.

Siegel, A., & Sons, Inc., New York, N. Y. Cigars. 359,404, Aug. 16, 1938. Republished Dec. 7. Class 17.

Siegel, Jacob, doing business as Jacob Siegel Company, by Jacob Siegel Company, Philadelphia, Pa. Men's topcoats and overcoats. 210,759, Mar. 23, 1926. Republished Dec. 7. Class 39.

Siegel, Jacob, doing business as Jacob Siegel Company, by Jacob Siegel Company, Philadelphia, Pa. Men's topcoats, overcoats, and suits. 286,957, Sept. 8, 1931. Republished Dec. 7. Class 39.

Siegel, Jacob, Company: *See*—
Siegel, Jacob.

Siegel, Jacob, Company, Philadelphia, Pa. Men's topcoats, overcoats, and suits. 326,622, July 30, 1935. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's topcoats, overcoats, and suits. 327,055, Aug. 13, 1935. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's topcoats and overcoats. 367,152, May 9, 1939. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's topcoats and overcoats. 395,920, June 16, 1942. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's and young men's topcoats and overcoats. 396,982, Aug. 11, 1942. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's, young men's, and boys' topcoats and overcoats. 404,601, Dec. 7, 1943. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's, young men's, and boys' topcoats and overcoats. 405,047–8, Jan. 4, 1944. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's and young men's topcoats and overcoats. 408,103, July 18, 1944. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's, young men's, and boys' topcoats and overcoats. 408,112, July 18, 1944. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's and boys' topcoats and overcoats. 410,835, Dec. 19, 1944. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's and boys' topcoats and overcoats. 414,054, May 22, 1945. Republished Dec. 7. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's topcoats and overcoats. 420,759, Apr. 30, 1946. Republished Dec. 7. Class 39.

Simplex Shoe Manufacturing Company, Milwaukee, Wis. Leather shoes. 202,732–3, Sept. 1, 1925. Republished Dec. 7. Class 39.

Simplex Shoe Manufacturing Company, Milwaukee, Wis. Boots and shoes. 267,555, Feb. 25, 1930. Republished Dec. 7. Class 39.

Simpson, Harold N., Company, The, Oak Park, Ill. Vitamin capsules. 504,681, Dec. 7; Serial No. 540,207, published Aug. 24, 1948. Class 6.

Sinclair, H. M., Jr., trustee for The Sinclair Manufacturing Company, Toledo, Ohio. Caustic soda. 504,552, Dec. 7; Serial No. 527,006, published Sept. 7, 1948. Class 6.

Sinclair Manufacturing Company, The: *See*—
Sinclair, H. M., Jr., trustee.

Sipe, James B., and Company, Pittsburgh, Pa. Mixed paint. 504,603, Dec. 7; Serial No. 531,387, published Aug. 3, 1948. Class 16.

Sipe, James B., and Company, Pittsburgh, Pa. Wall paint. 504,604, Dec. 7; Serial No. 531,389, published Aug. 3, 1948. Class 16.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Carpets and rugs. 504,691, Dec. 7; Serial No. 545,544, published Aug. 24, 1948. Class 42.

Sodeco Trading Corporation, New York, N. Y. Cotton sateen in piece goods. 504,607, Dec. 7; Serial No. 531,525, published Aug. 31, 1948. Class 42.

Solo Products Corporation, New York, N. Y. Bob pins. 504,700, Dec. 7; Serial No. 549,476, published Aug. 31, 1948. Class 40.

Solvay Process Company, The, now by merger Allied Chemical & Dye Corporation, New York, N. Y. Dehumidifiers. 391,219, Oct. 28, 1941. Republished Dec. 7. Class 34.

Solvay Process Company, The, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Preparations used as cleansing agents. 398,201, Oct. 13, 1942. Republished Dec. 7. Class 4.

Solvay Process Company, The, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Cleaning compound. 405,065, Jan. 4, 1944. Republished Dec. 7. Class 4.

Solvay Process Company, The, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Modified soda ash cleanser. 405,795, Feb. 22, 1944. Republished Dec. 7. Class 4.

Solvay Process Company, The, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Synthetic organic materials. 418,564, Jan. 1, 1946. Republished Dec. 7. Class 6.

Solvay Process Company, The, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Synthetic organic detergents. 419,765, Mar. 5, 1946. Republished Dec. 7. Class 4.
Sommer & Kaufmann: *See*—
Sommer & Kaufmann, Inc.
Sommer & Kaufmann, Inc., by Sommer & Kaufmann, San Francisco, Calif. Footwear. 263,891, Nov. 12, 1929. Republished Dec. 7. Class 39.
Southern Paint & Varnish Company, The: *See*—
Polley, H. Wm.
Southworth Company: *See*—
Gilbert Paper Company.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets. 504,654, Dec. 7; Serial No. 536,554, published Aug. 3, 1948. Class 22.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. 504,655, Dec. 7; Serial No. 536,652, published Aug. 3, 1948. Class 22.
Spearman Brewing Company, The, Pensacola, Fla. Beer. 340,978, Nov. 24, 1936. Republished Dec. 7. Class 48.
Springfield Seed Company, Springfield, Mo. Flower-seeds, grass-seed, vegetable-seeds, and field-seeds. 98,581, July 21, 1914. Republished Dec. 7. Class 1.
Sta-Bull Fence Co.: *See*—
O'Drago, Patrick.
Stahl-Urban Company: *See*—
Stahl-Urban & Company.
Stahl-Urban & Company, Terre Haute, Ind., to Stahl-Urban Company, Brookhaven, Miss., and Terre Haute, Ind. Work shirts. 249,246, renewed Nov. 13, 1948. O. G. Dec. 7. Class 39.
Standard Oil Company, Louisville, Ky. Gasoline. 265,920, Jan. 7, 1930. Republished Dec. 7. Class 15.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Stanco Incorporated, New York, N. Y. Nose and throat spray. 248,984, renewed Nov. 6, 1948. O. G. Dec. 7. Class 6.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Stanco Incorporated, New York, N. Y. Liquid cleansing compounds and detergents. 249,191, renewed Nov. 6, 1948. O. G. Dec. 7. Class 4.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Stanco Incorporated, New York, N. Y. Nose and throat spray. 249,823, renewed Nov. 20, 1948. O. G. Dec. 7. Class 6.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Stanco Incorporated, New York, N. Y. Nose and throat spray. 250,034, renewed Nov. 27, 1948. O. G. Dec. 7. Class 6.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Stanco Incorporated, New York, N. Y. White oil. 250,426, renewed Dec. 11, 1948. O. G. Dec. 7. Class 6.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Stanco Incorporated, New York, N. Y. White mineral oil. 251,298, renewed Jan. 1, 1949. O. G. Dec. 7. Class 6.
Standard Milling Company, New York, N. Y., by Standard Milling Company, Chicago, Ill. Mixed feed and wheat screenings. 311,265, Mar. 20, 1934. Republished Dec. 7. Class 46.
Standard Milling Company, New York, N. Y., by Standard Milling Company, Chicago, Ill. Wheat flour and mixed feed for livestock and poultry. 407,571, June 13, 1944. Republished Dec. 7. Class 46.
Stanley Industries: *See*—
Stanley, J. A.
Stanley, J. A., doing business as Stanley Industries, Seattle, Washington. Preparation for exterminating rodents. 504,712, Dec. 7; Serial No. 519,045. Class 6.
Stearns & Foster Company, The, Lockland, Ohio. Cotton wadding and cotton batting. 79,706, Sept. 27, 1910. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Jute and cotton bats. 146,855, Sept. 20, 1921. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 150,127, Dec. 27, 1921. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 150,593–4, Jan. 3, 1922. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 150,596–7, Jan. 3, 1922. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 150,599–600, Jan. 3, 1922. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 150,602–3, Jan. 3, 1922. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 150,605, Jan. 3, 1922. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 150,610, Jan. 3, 1922. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 150,613–14, Jan. 3, 1922. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 153,316, Mar. 14, 1922. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 153,321, Mar. 14, 1922. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Cotton batting. 156,432, June 20, 1922. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Mattresses. 159,115, Sept. 19, 1922. Republished Dec. 7. Class 32.
Stearns & Foster Company, The, Lockland, Ohio. Cotton batting. 246,470, renewed Sept. 11, 1948. O. G. Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Mattresses. 257,934–6, June 25, 1929. Republished Dec. 7. Class 32.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Mattresses. 257,938, June 25, 1929. Republished Dec. 7. Class 32.
Stearns & Foster Company, The, Lockwood, Ohio. Mattresses. 265,358, Dec. 24, 1929. Republished Dec. 7. Class 32.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Quilting cotton. 266,824, Feb. 4, 1930. Republished Dec. 7. Class 1.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Ticking piece goods. 273,110, July 22, 1930. Republished Dec. 7. Class 42.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Mattresses. 298,402, Oct. 25, 1932. Republished Dec. 7. Class 32.
Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Spring cushion construction. 298,404, Oct. 25, 1932. Republished Dec. 7. Class 32.
Steele-Wedeles Company, Chicago, Ill. Canned fruits, canned vegetables, canned fish, etc. 297,631, Sept. 20, 1932. Republished Dec. 7. Class 46.
Steele-Wedeles Company, Chicago, Ill. Household cleanser. 374,474, Jan. 9, 1940. Republished Dec. 7. Class 4.
Sterling Plastics Co., Union, N. J. Inkwells. 504,624, Dec. 7; Serial No. 532,965, published Aug. 3, 1948. Class 37.
Stern Brothers, New York, N. Y. Men's, women's, and children's gloves. 252,404, renewed Feb. 5, 1949. O. G. Dec. 7. Class 39.
Stevens & Thompson Paper Co.: *See*—
Old Town Company, The.
Stewart & Ashby Coffee Company: *See*—
Stewart, Wm. A.
Stewart, Wm. A., by Stewart & Ashby Coffee Company, Chicago, Ill. Coffee. 129,547, Feb. 24, 1920. Republished Dec. 7. Class 46.
Stirling Bonding Company Limited, The, Dumbarton, Scotland. Whiskey. 432,352, Sept. 2, 1947. Republished Dec. 7. Class 49.
Stroh Brewery Company, The, to The Stroh Brewery Company, Detroit, Mich. Beer, brown stout, porter, and malt extract. 71,606, re-renewed Dec. 1, 1948. O. G. Dec. 7. Classes 6 and 48.
Strong Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 504,695, Dec. 7; Serial No. 546,735, published Aug. 31, 1948. Class 42.
Stuart, D. A., Oil Co., Limited, Chicago, Ill. Extreme pressure lubricating oils and greases. 504,635, Dec. 7; Serial No. 534,687, published Aug. 31, 1948. Class 15.
Sunny Point Packing Company, Inc., by Alaska Pacific Salmon Company, Seattle, Wash. Canned salmon. 92,141, June 17, 1913. Republished Dec. 7. Class 46.
Syracuse Chilled Plow Co., to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Plows and parts thereof. 71,075, re-renewed Oct. 27, 1948. O. G. Dec. 7. Class 23.
Syracuse Chilled Plow Co., Inc.: *See*—
Syracuse Chilled Plow Co.
Table Rock Laboratories, Inc., Greenville, S. C. Tablet. 504,558, Dec. 7; Serial No. 527,448, published Sept. 7, 1948. Class 6.
Table Rock Laboratories, Inc., Greenville, S. C. Antiseptic douche. 504,559, Dec. 7; Serial No. 527,473, published Aug. 24, 1948. Class 6.
Tampa Cigar Company, Inc., Tampa, Fla. Cigars. 504,630, Dec. 7; Serial No. 533,950, published Aug. 31, 1948. Class 17.
Tarkio Molasses Feed Co., Kansas City, Mo. Animal feeds. 253,038, renewed Feb. 19, 1949. O. G. Dec. 7. Class 46.
Texas Company, The, New York, N. Y. Lubricating oils. 504,600. Dec. 7; Serial No. 531,259, published Aug. 17, 1948. Class 15.
Texas Food Products Co.: *See*—
Hausinger, R. C.
Tex-O-Kan Flour Mills Company, doing business as Burrus Feed Mills, Dallas, Tex. Poultry, dairy, livestock, and hog feeds, cornmeal and wheat flour. 389,182, July 29, 1941. Republished Dec. 7. Class 46.
Thermoid Company, Trenton, N. J. Brake lining sets. 504,719, Dec. 7; Serial No. 544,794. Class 35.
Thlinket Packing Corporation, Portland, Oreg., by Alaska Pacific Salmon Company, Seattle, Wash. Canned fish. 141,059, Apr. 5, 1921. Republished Dec. 7. Class 46.

Thlinket Packing Corporation, Portland, Oreg., by Alaska Pacific Salmon Company, Seattle, Wash. Canned fish. 141,061, Apr. 5, 1921. Republished Dec. 7. Class 46.
Thomas Textile Service Company: *See*—
Thomas Textile Service Co.
Thomas Textile Service Co., by Thomas Textile Service Company, Philadelphia, Pa. Collar canvas. 426,123–4, Dec. 17, 1946. Republished Dec. 7. Class 42.
Thompson's Sporting Goods, New London, Conn. Fishing tackle. 504,714, Dec. 7; Serial No. 528,657. Class 22.
Tibbitts-Hewitt Grocery Company, by General Grocer Company, St. Louis, Mo. Canned fruits, canned vegetables, and canned fish. 137,068, Nov. 16, 1920. Republished Dec. 7. Class 46.
Tobin, Edith D., doing business as J. Tobin, by Jack Tobin, Inc., Philadelphia, Pa. Ladies' and misses' dresses. 397,933, Sept. 29, 1942. Republished Dec. 7. Class 39.
Tobin, Edith D., doing business as J. Tobin, by Jack Tobin, Inc., Philadelphia, Pa. Dresses for children. 400,849, Apr. 6, 1943. Republished Dec. 7. Class 39.
Tobin, Edith D., doing business as J. Tobin, by Jack Tobin, Inc., Philadelphia, Pa. Ladies' and misses' dresses. 402,168, July 6, 1943. Republished Dec. 7. Class 39.
Tobin, Jack: *See*—
Tobin, Edith D.
Tobin, Jack, by Jack Tobin, Inc., Philadelphia, Pa. Ladies', misses', and children's dresses. 381,814, Oct. 8, 1940. Republished Dec. 7. Class 39.
Tobin, Jack, Inc.: *See*—
Tobin, Edith D.
Tobin, Jack.
Torsion Balance Company, The, New York, N. Y. Balances and scales. 406,952, May 9, 1944. Republished Dec. 7. Class 26.
Transolene Co.: *See*—
Transolene Corporation.
Transolene Corporation, doing business as Transolene Co., Barrington, Ill. Thin sheets of plastic film. 441,563, Dec. 7; Serial No. 523,629, published Aug. 3, 1948. Class 37.
Tree-Gold Cooperative Growers of Florida, Orlando, by Gentile Bros. Company, Winter Park, Fla. Citrus fruits. 334,804, May 12, 1936. Republished Dec. 7. Class 46.
Trenton Manufacturing Company: *See*—
Joseph, David J., Company, The.
True-Tagg Paint Company, Memphis, Tenn. Asphalt paints and stack and boiler paints. 504,636, Dec. 7; Serial No. 534,947, published July 27, 1948. Class 16.
True-Tagg Paint Company, Memphis, Tenn. Exterior and interior house paints, flat wall paints, semi-gloss wall paints, etc. 504,637, Dec. 7; Serial No. 534,948, published Aug. 10, 1948. Class 16.
True-Tagg Paint Company, Memphis, Tenn. Interior and exterior paint enamels. 504,638, Dec. 7; Serial No. 534,949, published Aug. 3, 1948. Class 16.
True-Tagg Paint Company, Memphis, Tenn. Exterior and interior house paints, flat wall paints, semi-gloss paints, etc. 504,639, Dec. 7; Serial No. 534,952, published Aug. 3, 1948. Class 16.
True-Tagg Paint Company, Memphis, Tenn. Interior and exterior paint enamels. 504,640, Dec. 7; Serial No. 534,955, published Aug. 10, 1948. Class 16.
Tutchon Products Co.: *See*—
Honig, Herbert.
Ulry-Talbert Company, The, Grand Island, Nebr. Canned fruits, canned vegetables, canned berries, etc. 196,787, Mar. 31, 1925. Republished Dec. 7. Class 46.
Ultrafit Co., Inc., New York, N. Y. Sport shirts, jackets, etc. 432,488, Sept. 2, 1947. Amended. O. G. Dec. 7. Class 39.
United States Hoffmann Company, Syracuse, to United States Hoffman Machinery Corporation, New York, N. Y. Steam clothes pressing machines. 72,889, re-renewed Mar. 2, 1949. O. G. Dec. 7. Class 24.
United States Hoffman Machinery Corporation: *See*—
United States Hoffmann Company.
United States Rubber Company, New York, N. Y. Pneumatic tires and inner tubes. 431,259, July 15, 1947. Republished Dec. 7. Class 35.
United States Rubber Company, New York, N. Y. Textile fabrics in the piece. 432,395, Sept. 2, 1947. Republished Dec. 7. Class 42.
United States Tobacco Company, New York, N. Y. Smoking tobacco. 504,608, Dec. 7; Serial No. 531,551, published Aug. 31, 1948. Class 17.
United States Tobacco Company, Flemington, N. J., and New York, N. Y. Chewing tobacco. 504,609, Dec. 7; Serial No. 531,552, published Aug. 31, 1948. Class 17.
Universal Cooler Corporation, by International Detrola Corporation, Detroit, Mich. Mechanical refrigerating units. 242,327, May 22, 1928. Republished Dec. 7. Class 31.
Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Primers, surfacers or paint undercoatings, paint enamels, etc. 202,330, Aug. 18, 1925. Republished Dec. 7. Class 16.
Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Primers, surfacers, and lacquers. 268,449, Mar. 18, 1930. Republished Dec. 7. Class 16.
Valentine & Company, Inc.: *See*—
Valentine & Company.
Van Camp Hardware & Iron Company, Indianapolis, Ind. Base metal wash basins, dish pans, combinets, and stock pots. 319,456, Nov. 27, 1934. Republished Dec. 7. Class 13.
Van Camp Hardware & Iron Company, Indianapolis, Ind. Cutlery, mechanics' tools, and farm tools. 320,769, Jan. 8, 1935. Republished Dec. 7. Class 23.
Van Camp Hardware & Iron Company, Indianapolis, Ind. Coal ranges, coal heating stoves, oil ranges, etc. 326,325, July 23, 1935. Republished Dec. 7. Class 34.
Van Camp Hardware & Iron Company, Indianapolis, Ind. Enamel tea kettles, enamel preserving kettles, enamel dish pans, etc. 326,326, July 23, 1935. Republished Dec. 7. Class 13.
Vanity Fair Mills, Inc.: *See*—
Marcus & Wiesen, Inc.
Virginia Woolen Company, Winchester, Va. Woolen and worsted fabrics in the piece. 504,643, Dec. 7; Serial No. 535,278, published Aug. 31, 1948. Class 42.
Visking Corporation, The, Chicago, Ill. Sausage casings. 278,352, Dec. 16, 1930. Republished Dec. 7. Class 46.
Visking Corporation, The, Chicago, Ill. Sausage casings. 278,356, Dec. 16, 1930. Republished Dec. 7. Class 46.
Vita-Var Corporation, Newark, N. J. Ready-mixed paint, paint enamel, and varnish. 441,537, Dec. 7; Serial No. 507,163, published Aug. 3, 1948. Class 16.
Volunteer Portland Cement Company, Knoxville, Tenn. Portland cement. 261,810–11, Sept. 24, 1929. Republished Dec. 7. Class 12.
Wagner, August, Breweries, Inc., Columbus, Ohio. Beer. 504,562, Dec. 7; Serial No. 527,790, published Aug. 17, 1948. Class 48.
Wagner, E. R., Manufacturing Company, Milwaukee, Wis. Carpet sweepers. 504,596–7, Dec. 7; Serial Nos. 530,991–2, published Aug. 17, 1948. Class 23.
Wärtsilä-Yhtymä O/y-Wärtsilä-Koncernen A/B: *See*—
Maskin-Och Brobygnads Aktiebolaget.
Webster, Francis, & Sons Limited, Arbroath, Scotland. Canvas cloth and salicloth, all being piece goods. 441,535, Dec. 7; Serial No. 504,521, published Aug. 31, 1948. Class 42.
Weill, Charles, Inc.: *See*—
Weill & Hartmann.
Weill & Hartmann, by Charles Weill, Inc., New York, N. Y. Women's and misses' coats, suits, dresses, etc. 196,028, Mar. 10, 1925. Republished Dec. 7. Class 39.
Weill & Hartmann, by Arkwright, Incorporated, New York, N. Y. Gloves, corsets, brassières, etc. 301,346, Feb. 28, 1933. Republished Dec. 7. Class 39.
Wentzel, Robert A., by Fae Manufacturing Company, Palmyra, Pa. Ladies', men's, and children's undergarments. 356,097, Apr. 12, 1938. Republished Dec. 7. Class 39.
Wentzel, Robert A., doing business as Fae Manufacturing Company, by Fae Manufacturing Company, Palmyra, Pa. Ladies', men's, and children's undergarments. 371,637, Oct. 3, 1939. Republished Dec. 7. Class 39.
Wentzel, Robert A., doing business as Fae Manufacturing Company, by Fae Manufacturing Company, Palmyra, Pa. Ladies', men's, and children's undergarments. 375,545, Feb. 20, 1940. Republished Dec. 7. Class 39.
Wheatland Tube Company, Philadelphia, Pa. Metal water and steam pipe. 504,565, Dec. 7; Serial No. 528,665, published Aug. 24, 1948. Class 13.
White & Wyckoff Mfg. Co., Holyoke, Mass., by Lakeside Central Company, Chicago, Ill. Loose-leaf and ring binders. 272,182, July 1, 1930. Republished Dec. 7. Class 37.
White & Wyckoff Mfg. Co., Holyoke, Mass., by Lakeside Central Company, Chicago, Ill. Writing tablets, composition books, and notebooks. 273,010, July 15, 1930. Republished Dec. 7. Class 37.
White & Wyckoff Mfg. Co., Holyoke, Mass., by Lakeside Central Company, Chicago, Ill. Writing and printing paper. 316,188, Aug. 21, 1934. Republished Dec. 7. Class 37.
White & Wyckoff Mfg. Co., Holyoke, Mass., by Lakeside Central Company, Chicago, Ill. Blank books having permanently bound leaves. 324,643, May 28, 1935. Republished Dec. 7. Class 37.
White & Wyckoff Mfg. Company, Holyoke, Mass., by Lakeside Central Company, Chicago, Ill. Writing tablets, composition books, and note-books. 346,143, May 18, 1937. Republished Dec. 7. Class 37.
White Tar Company of New Jersey, Inc., The, Kearny, N. J., to Manahan Moth Paper Company, Brooklyn, N. Y. Garment bags of paper or cloth. 247,600–1, renewed Oct. 2, 1948. O. G. Dec. 7. Class 2.
White Trading Corporation, New York, N. Y. Piece goods of rayon and silk. 441,542, Dec. 7; Serial No. 509,808, published Aug. 31, 1948. Class 42.
Whiting-Adams Company, Inc.: *See*—
Whiting, John L., J. J. Adams Company.
Whiting, John L., J. J. Adams Company, by Whiting-Adams Company, Inc., Boston, Mass. Brushes. 213,649, June 1, 1926. Republished Dec. 7. Class 29.
Whiz Fish Products Company, Inc., Seattle, Wash. Canned fish. 504,706, Dec. 7; Serial No. 508,770. Class 46.

Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heating elements, and parts thereof. 441,570, Dec. 7; Serial No. 525,731. Class 21.

Williamson, C. S., & Company: *See*—
Williamson, Carl S.

Williamson, Carl S., doing business as C. S. Williamson & Company, Orangeburg, S. C. Fish stringer. 504,708, Dec. 7; Serial No. 511,718. Class 22.

Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill. Golf clubs and tennis rackets and flexible strap-like material for use in forming handle grips on golf clubs, etc. 504,707, Dec. 7; Serial No. 509,485. Class 22.

Winne, Frank W., & Son, Inc., Philadelphia, Pa. Binder twine. 257,061, May 28, 1929. Republished Dec. 7. Class 7.

Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Musical toys. 504,542, Dec. 7; Serial No. 516,749, published Aug. 17, 1948. Class 22.

Wood Conversion Company, St. Paul, Minn. Loosely matted or felted adhesively-bound vegetable fiber in sheet form. 504,595, Dec. 7; Serial No. 530,884, published Aug. 24, 1948. Class 50.

Wood, John, Manufacturing Company, Inc.: *See*—
Service Station Equipment Company.

Worcester Salt Company: *See*—
Crystaline Salt Company.
Remington Salt Company.

Wurlitzer, Rudolph, Company, The, Chicago, Ill. Pianos, piano accordions, and electronic organs. 504,653, Dec. 7; Serial No. 536,203, published Sept. 7, 1948. Class 36.

Youngsters Shoes Ltd., Chicago, Ill. Shoes and slippers. 433,433, Oct. 14, 1947. Republished Dec. 7. Class 39.

Zeen Chemical Company: *See*—
Goldman, D. H.

Zehrung Chemical Company, Portland, Oreg., assignee of Miller and Zehrung Company. Preparation for use in the control of rodents. 504,705, Dec. 7; Serial No. 507,650. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Delaware, Lackawanna & Western Coal Company. 248,219, renewed Oct. 16, 1948. O. G. Dec. 7.

Coal. Old Ben Coal Corporation. 252,012, renewed Jan. 22, 1949. O. G. Dec. 7.

Coal. Old Ben Coal Corporation. 252,069, renewed Jan. 22, 1949. O. G. Dec. 7.

Coal. Old Ben Coal Corporation. 252,125, renewed Jan. 22, 1949. O. G. Dec. 7.

Coal. Hard, bituminous coal, and coke. M. A. Hanna Company. 276,421, Oct. 21, 1930. Republished Dec. 7.

Coals, Bituminous. Eastern Coal Corporation. 354,788, Feb. 22, 1938. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 150,127, Dec. 27, 1921. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 150,593–4, Jan. 3, 1922. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 150,596–7, Jan. 3, 1922. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 150,599–600, Jan. 3, 1922. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 150,602–3, Jan. 3, 1922. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 150,605, Jan. 3, 1922. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 150,610, Jan. 3, 1922. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 150,613–14, Jan. 3, 1922. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 153,316, Mar. 14, 1922. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 153,321, Mar. 14, 1922. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 156,432, June 20, 1922. Republished Dec. 7.

Cotton batting. Stearns & Foster Company. 246,470, renewed Sept. 11, 1948. O. G. Dec. 7.

Cotton, quilting. Stearns & Foster Company. 266,824, Feb. 4, 1930. Republished Dec. 7.

Cotton wadding and cotton batting. Stearns & Foster Company. 79,706, Sept. 27, 1910. Republished Dec. 7.

Flower seeds. Ohio Florists' Association. 504,811, Dec. 7; Serial No. 517,508.

Flower-seeds, grass-seed, vegetable-seeds and field-seeds. Springfield Seed Company. 98,581, July 21, 1914. Republished Dec. 7.

Fuel. Great Lakes Coal & Dock Co. 383,130–1, Nov. 26, 1940. Republished Dec. 7.

Fuel. Great Lakes Coal & Dock Co. 383,147, Nov. 26, 1940. Republished Dec. 7.

Fuel. Great Lakes Coal & Dock Co. 383,313, Dec. 3, 1940. Republished Dec. 7.

Fuel. Great Lakes Coal & Dock Co. 383,573, Dec. 17, 1940. Republished Dec. 7.

Fuel. Great Lakes Coal & Dock Co. 396,773, Aug. 4, 1942. Republished Dec. 7.

Fuel. Great Lakes Coal & Dock Co. 424,598, Oct. 15, 1946. Republished Dec. 7.

Jute and cotton bats. Stearns & Foster Company. 146,885, Sept. 20, 1921. Republished Dec. 7.

Lacing Leather. American Stay Company. 272,171, July 1, 1930. Republished Dec. 7.

Peat moss, Granulated, and peat-moss products. Atkins & Durbrow, Inc. 258,748, July 16, 1929. Republished Dec. 7.

Plaster resins, Synthetic. Reichhold Chemicals, Inc. 408,699, Aug. 29, 1944. Republished Dec. 7.

Resins, resin solutions. Reichhold Chemicals, Inc. 407,306, May 30, 1944. Republished Dec. 7.

Resins, Synthetic. Sherwin-Williams Company. 384,679–80, Jan. 28, 1941. Republished Dec. 7.

Resins, Synthetic. Sherwin-Williams Company. 387,756–7, May 27, 1941. Republished Dec. 7.

CLASS 2

Cartons. Chicago Carton Company. 504,500, Dec. 7; Serial No. 527,624, published Sept. 7, 1948.

Bags of paper or cloth, Garment. White Tar Company of New Jersey, Inc. 247,600–1, renewed Oct. 2, 1948. O. G. Dec. 7.

Jewelry made of semi-precious metals and precious metals, Men's and ladies'. M. Hoffman. 416,079, Aug. 28, 1945. Republished Dec. 7.

Oilers with spouts, Portable. Chase Brass & Copper Co. Incorporated. 257,780, June 18, 1929. Republished Dec. 7.

Plates, Paper. Old Town Company. 504,658, Dec. 7; Serial No. 537,496, published Sept. 7, 1948.

CLASS 3

Handbags. M. Roskin. 431,750–1, Aug. 5, 1947. Republished Dec. 7.

Jewelry made of semi-precious metals and precious metals, Men's and ladies'. M. Hoffman. 416,079, Aug. 28, 1945. Republished Dec. 7.

CLASS 4

Cleaning compound. Markem Machine Company. 504,703, Dec. 7; Serial No. 554,138, published Aug. 24, 1948.

Cleaning compound. Solvay Process Company. 405,065, Jan. 4, 1944. Republished Dec. 7.

Cleaning compound, Non-saponaceous. Mo-Zel Chemical Products Company. 376,958, Apr. 9, 1940. Republished Dec. 7.

Cleaning fluid, Dry, rug and carpet wet shampoo, dry cleaner, etc. D. H. Goldman. 350,985, Oct. 12, 1937. Republished Dec. 7.

Cleanser. Beacon Chemical Corporation. 400,868, Apr. 6, 1943. Republished Dec. 7.

Cleanser, Household. Steele-Wedeles Company. 374,474, Jan. 9, 1940. Republished Dec. 7.

Cleansing and polishing cloth, and impregnating compound therefor, Impregnated. H. Honig. 504,692, Dec. 7; Serial No. 545,985, published Sept. 7, 1948.

Cleansing compounds and detergents, Liquid. Stanco Incorporated. 249,191, renewed Nov. 6, 1948. O. G. Dec. 7.

Detergents, Synthetic organic. Solvay Process Company. 419,765, Mar. 5, 1946. Republished Dec. 7.

Powder, Scouring. I. Rokeach & Sons, Inc. 247,568, renewed Oct. 2, 1948. O. G. Dec. 7.

Preparation for shaving, Paste-like. Barbasol Company. 344,122, Mar. 16, 1937. Republished Dec. 7.

Preparation for shaving, Pastelike. Barbasol Company. 406,257, Mar. 21, 1944. Republished Dec. 7.

Preparations used as cleansing agents. Solvay Process Company. 398,201, Oct. 13, 1942. Republished Dec. 7.

Shaving cream. Mennen Company. 253,177, renewed Feb. 19, 1949. O. G. Dec. 7.

Shaving soap, shaving cream and bar soap. House for Men, Inc. 383,988, Dec. 31, 1940. Republished Dec. 7.

Soap. Essential Chemicals Co. 504,702, Dec. 7; Serial No. 550,591, published Aug. 24, 1948.

Soap. Los Angeles Soap Company. 319,539, Nov. 27, 1934. Republished Dec. 7.

Soap, Baby. C. M. D'Arcy. 412,227, Feb. 27, 1945. Republished Dec. 7.

Soaps. P. P. Mulhens. 248,478, renewed Oct. 23, 1948. O. G. Dec. 7.

Soda ash cleanser, Modified. Solvay Process Company. 405,795, Feb. 22, 1944. Republished Dec. 7.

CLASS 5

Binders in liquid form. Masonite Corporation. 504,545, Dec. 7; Serial No. 521,742, published Aug. 31, 1948.

Paste, Linoleum. Sears, Roebuck and Co. 504,690, Dec. 7; Serial No. 544,912, published Aug. 24, 1948.

CLASS 6

Algin product for use as a hydrophilic colloid. Kelco Company. 433,814, Oct. 28, 1947. Republished Dec. 7.

Ammonia. Beacon Chemical Corporation. 379,366, July 9, 1940. Republished Dec. 7.

Antisposmodic, nervine, anodyne, etc. Dios Chemical Company. 44,421, July 4, 1905. Republished Dec. 7.

Beer, brown stout, porter and malt extract. Stroh Brewery Company. 71,606, re-renewed Dec. 1, 1948. O. G. Dec. 7.

Bleaching, cleansing, antiseptic, and germicidal compounds. Clorox Chemical Corporation. 251,292, renewed Jan. 1, 1949. O. G. Dec. 7.

Capsules, Vitamin. Harold N. Simpson Company. 504,681, Dec. 7; Serial No. 540,207, published Aug. 24, 1948.

Caustic soda. H. M. Sinclair, Jr. 504,552, Dec. 7; Serial No. 527,006, published Sept. 7, 1948.

Chemicals for exterminating weeds. Sherwin-Williams Company. 504,532, Dec. 7; Serial No. 504,217, published Aug. 31, 1948.

Cleansing, sterilizing, and purifying fluid. Dehls & Stein. 246,039, renewed Aug. 26, 1948. O. G. Dec. 7.

Compound used as a flux. Imperial Type Metal Company. 290,008, Dec. 22, 1931. Republished Dec. 7.

Compound used as a flux. Imperial Type Metal Company. 290,722, Jan. 12, 1932. Republished Dec. 7.

Corn-starch, corn-flour, and starch for laundry purposes. National Starch Manufacturing Company. 30,327, July 6, 1897. Republished Dec. 7.

Cosmetics and beauty preparations. Jacqueline Cochran. 383,068, Nov. 19, 1940. Republished Dec. 7.

Cosmetics and beauty preparations. Jacqueline Cochran. 384,245, Jan. 7, 1941. Republished Dec. 7.

Deodorant. Anderson-Stolz Corporation. 384,188, Jan. 7, 1941. Republished Dec. 7.

Deodorant and moth preventative, Household. Arwell Products Company. 239,245, renewed Feb. 28, 1948. O. G. Dec. 7.

Deodorant cream. Barbasol Company. 397,965, Sept. 29, 1942. Republished Dec. 7.

Deodorants. Odorono Company. 252,478, renewed Feb. 5, 1949. O. G. Dec. 7.

Douche, Antiseptic. Table Rock Laboratories, Inc. 504,559, Dec. 7; Serial No. 527,473, published Aug. 24, 1948.

Dyeing assistants. American Aniline Products, Inc. 504,573, Dec. 7; Serial No. 529,220, published Aug. 24, 1948.

Face creams, face powders, and hand, face and skin lotions. G. W. Beeman. 297,197, Sept. 6, 1932. Republished Dec. 7.

Feed supplement, Animal. Marblehead Lime Company. 504,683, Dec. 7; Serial No. 540,427, published Aug. 31, 1948.

Film developer, Fine grain. Edwal Laboratories, Inc. 504,563, Dec. 7; Serial No. 527,949, published Aug. 31, 1948.

Food colors. Price Flavoring Extract Co. 395,668, June 2, 1942. Republished Dec. 7.

Hair dressing. Mennen Company. 504,689, Dec. 7; Serial No. 544,454, published June 1, 1948.

Hypo-allergenic product, etc. Mead Johnson & Company. 504,543, Dec. 7; Serial No. 516,940, published Aug. 31, 1948.

Insecticide or preparation to kill lice. Burrell-Dugger Co. 126,647, Sept. 30, 1919. Republished Dec. 7.

Insecticides. Sam Houston Company. 504,676, Dec. 7; Serial No. 539,170, published Aug. 31, 1948.

Insecticides. Roman J. Irwin, Inc. 504,659, Dec. 7; Serial No. 537,702, published Aug. 17, 1948.

Iodine in colloidal form, Solution of. Mulford Colloid Laboratories. 344,767, Apr. 6, 1937. Republished Dec. 7.

Liniment. Polk Miller Products Corporation. 331,624, Jan. 14, 1936. Republished Dec. 7.

Liquid material for cleaning the hair, after shampooing. John H. Breck, Inc. 395,869, June 16, 1942. Republished Dec. 7.

Lotion, After shaving, cologne, hair tonic, etc. House for Men, Inc. 374,854, Jan. 30, 1940. Republished Dec. 7.

Manganese in colloidal form, Solution of. Mulford Colloid Laboratories. 344,545, Mar. 30, 1937. Republished Dec. 7.

Medicinal preparation. Owens & Minor Drug Co., Inc. 271,635, June 17, 1930. Republished Dec. 7.

Mineral oil, White. Stanco Incorporated. 251,298, renewed Jan. 1, 1949. O. G. Dec. 7.

Oil, White. Stanco Incorporated. 250,426, renewed Dec. 11, 1948. O. G. Dec. 7.

Oils. Sherwin-Williams Company. 371,288, Sept. 19, 1939. Republished Dec. 7.

Organic materials, Synthetic. Solvay Process Company. 418,564, Jan. 1, 1946. Republished Dec. 7.

Perfume. Inland Laboratories, Incorporated. 376,877, Apr. 9, 1940. Republished Dec. 7.

Perfumes. Joubert Cie, Inc. 313,649, June 5, 1934. Republished Dec. 7.

Perfumes. G. R. Parkinson. 504,619, Dec. 7; Serial No. 532,489, published Sept. 7, 1948.

Pharmaceutical preparation. Burrell-Dugger Company. 266,527, Jan. 28, 1930. Republished Dec. 7.

Poultry remedy. Burrell-Miller. 115,730, Mar. 6, 1917. Republished Dec. 7.

Powder, Toilet. Barbasol Company. 333,919, Apr. 14, 1936. Republished Dec. 7.

Preparation for exterminating rodents. J. A. Stanley. 504,712, Dec. 7; Serial No. 519,045.

Preparation for use in the control of rodents. Zehrung Chemical Company. 504,705, Dec. 7; Serial No. 507,650.

Preparations for the treatment of the hair and scalp. John H. Breck, Inc. 285,031, July 14, 1931. Republished Dec. 7.

Salt. Alex Kerr Bro. & Co., Inc. 403,828, Oct. 19, 1943. Republished Dec. 7.

Sanitizing agents with germicidal properties. Mathieson Alkali Works. 504,618, Dec. 7; Serial No. 532,472, published Aug. 10, 1948.

Shampoo. J. W. Murphy. 431,875, Aug. 12, 1947. Republished Dec. 7.

Shampoo. M. C. Schwab. 311,562, Mar. 27, 1934. Republished Dec. 7.

Shampoo, talcum powder, face powder, etc. M. C. Schwab. 336,936, July 21, 1936. Republished Dec. 7.

Solvent, Motor gum. Shaler Company. 361,931, Nov. 8, 1938. Republished Dec. 7.

Sour, Laundry. Crescent Chemical Corporation. 418,261, Dec. 11, 1945. Republished Dec. 7.

Sours, Laundry. Crescent Chemical Corporation. 271,851, June 17, 1930. Republished Dec. 7.

Spray, Nose and throat. Stanco Incorporated. 248,984, renewed Nov. 6, 1948. O. G. Dec. 7.

Spray, Nose and throat. Stanco Incorporated. 249,823, renewed Nov. 20, 1948. O. G. Dec. 7.

Spray, Nose and throat. Stanco Incorporated. 250,034, renewed Nov. 27, 1948. O. G. Dec. 7.

Tablet. Table Rock Laboratories, Inc. 504,558, Dec. 7; Serial No. 527,448, published Sept. 7, 1948.

Tablet for the relief of head colds. Clear-Again, Inc. 335,556, June 9, 1936. Republished Dec. 7.

Tablets, Headache. A. J. Affleck. 260,475, Aug. 27, 1929. Republished Dec. 7.

Tablets, Poultry tonic. Burrell-Dugger Co. 127,002, Oct. 21, 1919. Republished Dec. 7.

Tonic, Malt. M. K. Goetz Brewing Co. 252,361, renewed Feb. 5, 1949. O. G. Dec. 7.

Turpentine, bluing, peroxide, etc. Helwig & Leitch Corporation. 273,491, Aug. 5, 1930. Republished Dec. 7.

CLASS 7

Twine, Binder. Frank W. Winne & Son, Inc. 257,061, May 28, 1929. Republished Dec. 7.

CLASS 8

Humidors, Cigarette and ash trays. Chase Brass & Copper Co. Incorporated. 257,690, June 18, 1929. Republished Dec. 7.

Jewelry made of semi-precious metals and precious metals, Men's and ladies'. M. Hoffman. 416,079, Aug. 28, 1945. Republished Dec. 7.

Pipes, pipe cleaners, ash trays, etc. Faber, Coe & Gregg, Inc. 504,593, Dec. 7; Serial No. 530,635, published Aug. 24, 1948.

CLASS 9

Shotguns and rifles. Marlin Firearms Co. 72,755, renewed Feb. 16, 1949. O. G. Dec. 7.

CLASS 11

Carbon paper and inked ribbons. Manifold Supplies Company. 504,693, Dec. 7; Serial No. 546,504, published Aug. 31, 1948.

Carbon paper and typewriter ribbons. Executive Ribbon & Carbon Co., Inc. 254,133, renewed Mar. 12, 1949. O. G. Dec. 7.

CLASS 12

Asphaltic compound. Davison Chemical Corporation. 504,704, Dec. 7; Serial No. 470,258.

Bedding composition. Estate of H. B. Fred Kuhls. 381,986, Oct. 15, 1940. Republished Dec. 7.

Cement. Bird-Archer Company. 333,800, Apr. 7, 1936. Republished Dec. 7.

Cement, Portland. Volunteer Portland Cement Company. 261,810–11, Sept. 24, 1929. Republished Dec. 7.

Composition for glazing, caulking, pointing, and filling in seams. H. Kuhls. 277,117, Nov. 4, 1930. Republished Dec. 7.

Elbows for eaves-trough leaders, Sheet-metal. Chase Brass & Copper Co. Incorporated. 257,662, June 18, 1929. Republished Dec. 7.

Insulation blanket, Thermal and other thermal insulation materials. American Hair & Felt Company. 373,918, Dec. 26, 1939. Republished Dec. 7.

Plastic compound for waterproofing surfaces. Arco Company. 108,734, Feb. 22, 1916. Republished Dec. 7.

Plastic leak-sealing compound. Furmanite Corporation. 231,409, Aug. 16, 1927. Republished Dec. 7.

Plywood, High density resin-impregnated. Pluswood Incorporated. 410,597, Dec. 5, 1944. Republished Dec. 7.

Roofing and building and sheathing papers, Felt. Paraffine Paint Co. 72,496, re-renewed Jan. 26, 1949. O. G. Dec. 7.

Roofing, Composition roll, composition shingles and strip shingles, waterproof roofing and building paper. Flintkote Company. 250,528, renewed Dec. 11, 1948. O. G. Dec. 7.

Shingles, Asphaltic composition roofing. Flintkote Company. 248,265, renewed Oct. 16, 1948. O. G. Dec. 7.

Shingles, Asphaltic composition roofing. Flintkote Company. 248,278, renewed Oct. 16, 1948. O. G. Dec. 7.
Shingles, Asphaltic composition roofing. Flintkote Company. 250,643, renewed Dec. 11, 1948. O. G. Dec. 7.

CLASS 13

Air chucks, water faucets, radiators, air hose, etc. Druge Brothers Manufacturing Co. 504,572, Dec. 7; Serial No. 529,219, published Aug. 17, 1948.
Brackets, Drapery and curtain. Plasti-Glo Manufacturing Company. 504,581, Dec. 7; Serial No. 530,017, published Aug. 24, 1948.
Caps and suspension rings for whisk brooms, Metallic. Chase Brass & Copper Co. Incorporated. 257,783, June 18, 1929. Republished Dec. 7.
Chain, Base metal. American Chain Company, Inc. 256,346, May 14, 1929. Republished Dec. 7.
Coil springs, Door check and door closer. Norton Lasier Company. 340,692, Nov. 17, 1936. Republished Dec. 7.
Cooking, kitchen, household, etc., ware, Stainless steel. Carrollton Manufacturing Company. 504,602, Dec. 7; Serial No. 531,311, published Aug. 31, 1948.
Couplings and clamps, Air hose. Dixon Valve & Coupling Co. 441,561, Dec. 7; Serial No. 522,901, published Aug. 17, 1948.
Fences, Metal, metal gates, metal clothes posts, etc. P. O'Drago. 441,534, Dec. 7; Serial No. 502,592, published Aug. 31, 1948.
Ground-anchors. W. N. Matthews Corporation. 504,553, Dec. 7; Serial No. 527,120, published Aug. 31, 1948.
Hanger supports. Estate of Lester G. Black. 441,544, Dec. 7; Serial No. 510,477, published Aug. 17, 1948.
Metallic fabrics, Knitted. Metal Textile Corporation. 228,603, June 7, 1927. Republished Dec. 7.
Numbers and letters, House. Chisholm-Ryder Co., Inc. 354,803, Feb. 22, 1938. Republished Dec. 7.
Nuts and bolts, Various types of, nut locking devices of the kind, etc. MacLean-Fogg Lock Nut Company. 504,579, Dec. 7; Serial No. 529,902, published Aug. 24, 1948.
Pipe and conduits, Ferrous metal. American Rolling Mill Company. 504,561, Dec. 7; Serial No. 527,685, published Sept. 7, 1948.
Pipe, Metal water and steam. Wheatland Tube Company. 504,565, Dec. 7; Serial No. 528,665, published Aug. 24, 1948.
Plate, Detachable cleated non-skid metal sole. Parcleat Company, Inc. 441,560, Dec. 7; Serial No. 521,681, published Aug. 24, 1948.
Plumbing fixtures. W. A. Case and Son Manufacturing Company. 504,621–22, Dec. 7; Serial Nos. 532,684–5, published Aug. 17, 1948.
Screws. National Lock Company. 441,559, Dec. 7; Serial No. 521,675, published Sept. 7, 1948.
Screws and sheet metal screws, Wood. Blake & Johnson Company. 405,273, Jan. 18, 1944. Republished Dec. 7.
Screws, Closet, sink plugs, plumbing traps, etc. Chase Brass & Copper Co. Incorporated. 280,870, Mar. 3, 1931. Republished Dec. 7.
Tea kettles, Enamel, enamel preserving kettles, enamel dish pans, etc. Van Camp Hardware & Iron Company. 326,326, July 23, 1935. Republished Dec. 7.
Toe and heel plates. Scholl Mfg. Co., Inc. 420,023, Mar. 19, 1946. Corrected. O. G. Dec. 7.
Traps, Steam. V. D. Anderson Company. 504,601, Dec. 7; Serial No. 531,284, published Aug. 24, 1948.
Valves, Flow control, pressure reducing valves, pressure relief valves, etc. Bell & Gossett Company. 504,605, Dec. 7; Serial No. 531,425, published Aug. 17, 1948.
Valves, Liqu'd gage, gage cocks and floats. Reliance Gauge Column Company. 504,578, Dec. 7; Serial No. 529,693, published Aug. 24, 1948.
Wash basins, dish pans, combinets, and stock pots, Base metal. Van Camp Hardware & Iron Company. 319,456, Nov. 27, 1934. Republished Dec. 7.
Wire cloth. Hanover Wire Cloth Company. 424,371, Oct. 1, 1946. Republished Dec. 7.

CLASS 14

Alloys, Type metal. Imperial Type Metal Company. 299,936, Jan. 3, 1933. Republished Dec. 7.
Castings, Iron and steel. Duquesne Steel Foundry Company. 262,962, Oct. 29, 1929. Republished Dec. 7.
Castings of metal alloy. General Alloys Company. 252,137–9, renewed Jan. 22, 1949. O. G. Dec. 7
Castings of metal alloy. General Alloys Company. 253,524, renewed Feb 26, 1949. O. G. Dec. 7.
Metal products. American Metal Company (Limited). 433,797, Oct. 28, 1947. Republished Dec. 7.
Metals, Powdered or finely divided. General Metals Powder Company. 316,538, Aug. 28, 1934. Republished Dec. 7
Sheets and plates, Steel. Inland Steel Company. 504,632, Dec. 7; Serial No. 534,448, published Aug. 10, 1948.
Sheets, rods, and plain wire, etc., Brass, copper, and nonferrons alloy. Chase Brass & Copper Co. Incorporated. 257,679, June 18, 1929. Republished Dec. 7.
Steel bars, blocks, disks, and pieces of steel. Firth-Sterling Steel Company. 238,319, Feb. 7, 1928. Republished Dec. 7.
Steel bars, blocks, steel disks, etc. Firth-Sterling Steel Company. 238,338, Feb. 7, 1928. Republished Dec. 7.
Type-metal. Imperial Type Metal Co. 114,767, Jan. 2, 1917. Republished Dec. 7.

CLASS 15

Emulsions, Wax-like. Perkins Soap Company. 504,571, Dec. 7; Serial No. 528,904, published Aug. 17, 1948.
Gasoline. Standard Oil Company. 265,920, Jan. 7, 1930. Republished Dec. 7.
Gasoline and lubricating oils. Citizens Oil Company, Inc. 382,004, Oct. 15, 1940. Republished Dec. 7.
Grease, Lubricating. Pure Oil Company. 504,551, Dec. 7; Serial No. 526,833, published Aug. 24, 1948.
Greases, Lubricating, and lubricating oils. New York Lubricating Oil Company. 106,793, Oct. 26, 1915. Republished Dec. 7.
Oil, Lubricating, motor gum solvent, and compounding material. Shaler Company. 340,285, Nov. 3, 1936. Republished Dec. 7.
Oils and greases, Extreme pressure lubricating. D. A. Stuart Oil Co., Limited. 504,635, Dec. 7; Serial No. 534,687, published Aug. 31, 1948.
Oils and greases, Lubricating. Panhard Oil Corporation. 271,991, June 24, 1930. Republished Dec. 7.
Oils and greases, Lubricating. Panhard Oil Corporation. 328,951, Oct. 8, 1935. Republished Dec. 7.
Oils, Fuel. Petroleum Heat and Power Company. 504,528, Dec. 7; Serial No. 472,432, published Aug. 24, 1948.
Oils, Lubricating. Texas Company. 504,600, Dec. 7; Serial No. 531,259, published Aug. 17, 1948.
Oils, Motor lubricating. New York Lubricating Oil Company. 351,120, Oct. 19, 1937. Republished Dec. 7.

CLASS 16

Algin products for use in water paints. Kelco Company. 504,566, Dec. 7; Serial No. 528,730, published Aug. 3, 1948.
Carbon-paint. William Call Bitmo Company. 96,559, Apr. 21, 1914. Republished Dec. 7.
Cleaner and polish and furniture and bar polish, Automobile. Great Stuff Products, Inc. 504,599, Dec. 7; Serial No. 531,027, published July 20, 1948.
Cleaner, Liquid paint brush. Celco Sales Corp. 441,548, Dec. 7; Serial No. 513,387, published Aug. 3, 1948.
Coating composition in the nature of paint, Protective resinous. Merchants Chemical Company. 441,549, Dec. 7; Serial No. 513,437, published Sept. 7, 1948.
Coating compositions, Synthetic resin. Monsanto Chemical Company. 504,589, Dec. 7; Serial No. 530,418, published Aug. 3, 1948.
Emulsions, Water and wax. Franklin Research Company. 310,716, Mar. 6, 1934. Republished Dec. 7.
Enamel paints and varnishes. Arco Company. 258,166, June 25, 1929. Republished Dec. 7.
Lacquers. Arco Company. 229,122, June 21, 1927. Republished Dec. 7.
Lithopone product in powdered form. C. J. Osborn Co. 215,988, Aug. 3, 1926. Republished Dec. 7.
Oil paint, Ready mixed, paint enamels, and liquid and plastic roof coatings. Illinois Agricultural Association. 441,539, Dec. 7; Serial No. 508,527, published Aug. 10, 1948.
Oil, Sanitary floor. Selig Company. 504,529, Dec. 7; Serial No. 488,619, published Sept. 7, 1948.
Paint, Aluminum. M. J. Merkin Paint Co., Inc. 504,671, Dec. 7; Serial No. 538,797, published Aug. 3, 1948.
Paint, Anti-corrosive and anti-fouling, mixed paint, and enamels. Holzapfels Limited. 83,069, Aug. 15, 1911. Republished Dec. 7.
Paint, Barn, and paint enamels. Chicago Paints, Inc. 504,667, Dec. 7; Serial No. 538,366, published Aug. 3, 1948.
Paint concentrate, Tire. Manufacturers Warehouse. 441,541, Dec. 7; Serial No. 509,524, published Aug. 3, 1948.
Paint enamels. Keystone Varnish Company. 504,665, Dec. 7; Serial No. 538,292, published Aug. 10, 1948.
Paint enamels for metals, Prepared or ready-mixed liquid. J. F. Kurfees Paint Company. 504,645, Dec. 7; Serial No. 535,553, published Aug. 3, 1948.
Paint enamels, Interior and exterior. True-Tagg Paint Company. 504,638, Dec. 7; Serial No. 534,949, published Aug. 3. 1948.
Paint enamels, Interior and exterior. True-Tagg Paint Company. 504,640, Dec. 7; Serial No. 534,955, published Aug. 10, 1948.
Paint, Mixed. James B. Sipe and Company. 504,603, Dec. 7; Serial No. 531,387, published Aug. 3, 1948.
Paint oil. Kelloggs & Miller Sales Corp. 504,620, Dec. 7; Serial No. 532,603, published Aug. 10, 1948.
Paint, Paste outside. Boatwright Paint & Varnish Works, Inc. 504,594, Dec. 7; Serial No. 530,715, published Aug. 10, 1948.
Paint, Prepared, varnish stain, paint enamels, etc. Con-Ferro Paint & Varnish Company. 344,177, Mar. 16, 1937. Republished Dec. 7.
Paint, Ready mixed liquid, and paint thinner. Master Mechanics Co. 441,550, Dec. 7; Serial No. 514,968, published Aug. 3, 1948.
Paint, Ready-mixed, paint enamel, and varnish. Vita-Var Corporation. 441,537, Dec. 7; Serial No. 507,163, published Aug. 3, 1948.
Paint, Semi-paste house. A. Burdsal Company. 504,549, Dec. 7; Serial No. 526,603, published Aug. 3, 1948.

Paint, Wall. James B. Sipe and Company. 504,604, Dec. 7; Serial No. 531,389, published Aug. 3, 1948.
Paints, Asphalt, and stack and boiler paints. True-Tagg Paint Company. 504,636, Dec. 7; Serial No. 534,947, published July 27, 1948.
Paints, Canned, oleoresinous varnishes, varnish stains, etc. Saint Louis Surfacer and Paint Company. 504,582, Dec. 7; Serial No. 530,028, published Aug. 3, 1948.
Paints, Dry and ready mixed, and paint enamels. Patterson-Sargent Company. 441,532, Dec. 7; Serial No. 499,964, published Aug. 3, 1948.
Paints, Dry, paste and ready-mixed, lacquers and paint baking enamels, etc. A. E. Neumann. 504,616, Dec. 7; Serial No. 532,331, published Aug. 3, 1948.
Paints, Enamel. John McQuade & Co., Inc. 441,528, Dec. 7; Serial No. 486,213, published Aug. 10, 1948.
Paints, Exterior and interior house, flat wall paints, semi-gloss wall paints, etc. True-Tagg Paint Company. 504,637, Dec. 7; Serial No. 534,948, published Aug. 10, 1948.
Paints, Exterior and interior house, flat wall paints, semi-gloss paints, etc. True-Tagg Paint Company. 504,639, Dec. 7; Serial No. 534,952, published Aug. 3, 1948.
Paints in liquid form, Protective metal. M. J. Merkin Paint Co., Inc. 504,660, Dec. 7; Serial No. 537,807, published Aug. 3, 1948.
Paints in paste and liquid form, paint and synthetic primers, synthetic lacquers, etc. Coating Materials Laboratories, Inc. 504,662, Dec. 7; Serial No. 538,098, published Aug. 3, 1948.
Paints in paste form. J. F. Kurfees Paint Company. 504,647, Dec. 7; Serial No. 535,562, published Aug. 3, 1948.
Paints in paste or semi-paste form, and varnish. Seidlitz Paint & Varnish Co. 504,652, Dec. 7; Serial No. 536,146, published Sept. 7, 1948.
Paints, paint enamels, and varnishes. M. J. Merkin Paint Co., Inc. 504,588, Dec. 7; Serial No. 530,413, published Aug. 3, 1948.
Paints, Ready-mixed, lacquers, and paint enamels. Arco Company. 410,632, Dec. 5, 1944. Republished Dec. 7.
Paints, Ready-mixed, lacquers, varnishes. L. Bonnal et Compagnie. 441,533, Dec. 7; Serial No. 501,631, published July 27, 1948.
Paints, Ready-mixed, paint enamels and varnish. Con-Ferro Paint & Varnish Company. 343,863, Mar. 9, 1937. Republished Dec. 7.
Paints, Ready-mixed, paint enamels, primers, etc. H. Wm. Polley. 441,547, Dec. 7; Serial No. 512,018, published Aug. 3, 1948.
Paints, Ready-mixed, paste paints, japan driers, etc. Con-Ferro Paint and Varnish Company. 335,794, June 16, 1936. Republished Dec. 7.
Paints, Ready-mixed, varnishes, and fillers. Arco Company. 117,503, July 17, 1917. Republished Dec. 7.
Paints, varnishes, lacquers, etc. Sherwin-Williams Company. 374,697, Jan. 23, 1940. Republished Dec. 7.
Pigments, Organic. Reichhold Chemicals, Inc. 441,543, Dec. 7; Serial No. 510,403, published Aug. 17, 1948.
Polish for furniture and woodwork. Great American Tea Company. 504,570, Dec. 7; Serial No. 528,860, published Aug. 3, 1948.
Polish, Furniture, and powdered, paste and liquid wax preparations, etc. Boyle-Midway Inc. 441,545, Dec. 7; Serial No. 510,874, published Aug. 3, 1948.
Preparation used for preparing glossy, enameled or varnished surfaces. Sherwin-Williams Company. 368,287, June 13, 1939. Republished Dec. 7.
Primers, surfacers and lacquers. Valentine & Company. 268,449, Mar. 18, 1930. Republished Dec. 7.
Primers, surfacers or paint undercoatings, paint enamels, etc. Valentine & Company. 202,330, Aug. 18, 1925. Republished Dec. 7.
Priming paint, Rust-resistant. M. J. Merkin Paint Co., Inc. 504,675, Dec. 7; Serial No. 539,070, published Aug. 3, 1948.
Putty or glazing compound. J. F. Kurfees Paint Company. 504,646, Dec. 7; Serial No. 535,560, published Aug. 3. 1948.
Resins, Synthetic and other. Mass & Waldstein Company. 441,531, Dec. 7; Serial No. 495,977, published Aug. 3, 1948.
Thinners for paints, varnishes, enamels, etc. Sherwin-Williams Company. 311,027, Mar. 13, 1934. Republished Dec. 7.
Varnish. Minnesota Linseed Oil Paint Co. 504,678, Dec. 7; Serial No. 539,602, published Aug. 10, 1948.
Varnish and paint enamel, New Method Paint Co. 441,558, Dec. 7; Serial No. 521,607, published Aug. 3, 1948.
Varnish stain. Con-Ferro Paint and Varnish Company. 335,601, June 9, 1936. Republished Dec. 7.
Varnishes. Sherwin-Williams Company. 378,829, June 18, 1940. Republished Dec. 7.
Wall finish, Rapid drying rubberized. Master Mechanics Co. 441,551, Dec. 7; Serial No. 514,974, published Aug. 10, 1948.
Wax, Floor. Floor-O-Matic Inc. 441,564, Dec. 7; Serial No. 524,789, published Aug. 3, 1948.
Wax, Liquid floor, and wax paste. Great Atlantic & Pacific Tea Company. 441,546, Dec. 7; Serial No. 511,017, published Aug. 10, 1948.
Wax, Liquid floor, and wax paste. Great Atlantic and Pacific Tea Company. 504,663, Dec. 7; Serial No. 538,126, published Aug. 10, 1948.

CLASS 17

Cigars. Sanchez & Haya Company. 88,959, Oct. 29, 1912. Republished Dec. 7.
Cigars. Sanchez & Haya Company. 187,714, Aug. 12, 1924. Republished Dec. 7.
Cigars. A. Siegel & Sons, Inc. 359,404, Aug. 16, 1938. Republished Dec. 7.
Cigars. Tampa Cigar Company, Inc. 504,630, Dec. 7; Serial No. 533,950, published Aug. 31, 1948.
Cigars and cigarettes. Alhambra Cigar & Cigarette Manufacturing Company. 265,118, Dec. 17, 1929. Republished Dec. 7.
Cigars and cigarettes. Alhambra Cigar & Cigarette Manufacturing Company. 299,751–2, Dec. 20, 1932. Republished Dec. 7.
Cigars and cigarettes. Alhambra Cigar & Cigarette Manufacturing Company. 303,003, May 9, 1933. Republished Dec. 7.
Tobacco, Chewing. United States Tobacco Company. 504,609, Dec. 7; Serial No. 531,552, published Aug. 31, 1948.
Tobacco, Smoking. Abercrombie & Fitch Company. 504,583, Dec. 7; Serial No. 530,043, published Sept. 7, 1948.
Tobacco, Smoking. United States Tobacco Company. 504,608, Dec. 7; Serial No. 531,551, published Aug. 31, 1948.
Tobacco, Smoking and chewing. Penn Tobacco Company. 504,680, Dec. 7; Serial No. 539,752, published Sept. 7, 1948.

CLASS 19

Caps of automobile radiators, Filler. Chase Brass & Copper Co. Incorporated. 269,276, Apr. 1, 1930. Republished Dec. 7.
Trucks, Motor-driven. Four Wheel Drive Auto Co. 107,444, Nov. 30, 1915. Republished Dec. 7.

CLASS 20

Floor coverings, Hard surface. Armstrong Cork Company. 433,630, Sept. 3, 1946. Republished Dec. 7.
Floor coverings, Prepared. Paraffine Companies, Inc. 252,677, renewed Feb. 12, 1949. O. G. Dec. 7.
Oilcloth, Table, shelf, stair, floor and wall. Interchemical Corporation. 441,557, Dec. 7; Serial No. 519,666, published Sept. 7, 1948.

CLASS 21

Arc welders, Electric, electric arc torches electrode holders, etc. Marquette Manufacturing Co., Inc. 441,567, Dec. 7; Serial No. 504,988.
Batteries, Storage. Grant Storage Battery Company. 245,719, renewed Aug. 21, 1948. O. G. Dec. 7.
Body members, Tubular, socket casings and slip canopies. Chase Brass & Copper Co. Incorporated. 257,665, June 18, 1929. Republished Dec. 7.
Electrical and radio apparatus. Consolidated Wire and Associated Corporations. 344,374, Mar. 23, 1937. Republished Dec. 7.
Heating elements, and parts thereof, Electric. Edwin L. Wiegand Company. 441,570, Dec. 7; Serial No. 525,731.
Insulation and insulating objects, Electrical. Diamond State Fibre Company. 133,953, Aug. 10, 1920. Republished Dec. 7.
Motors, Electric, switch box covers, and electric welders and component parts thereof. Rockwell Manufacturing Company. 504,717, Dec. 7; Serial No. 534,364.
Plastic parts, Molded. Boonton Molding Company. 398,435, Oct. 27, 1942. Republished Dec. 7.
Radio aerial equipment. Chisholm-Ryder Co., Inc. 256,364, Apr. 26, 1938. Republished Dec. 7.
Radio receiving sets and radio speakers. Philadelphia Storage Battery Co. 252,655, renewed Feb. 12, 1949. O. G. Dec. 7.
Solenoids of the electrically actuated type and solenoid valves. Phillips Control Corp. 420,692, Apr. 30, 1946. Republished Dec. 7.
Spotlights and boomlights and parts thereof, Electric. Display Lighting, Incorporated. 431,277, July 15, 1947. Republished Dec. 7.

CLASS 22

Cue balls. Albany Billiard Ball Company. 504,672, Dec. 7; Serial No. 539,014, published Aug. 10, 1948.
Fish stringer. C. S. Williamson. 504,708, Dec. 7; Serial No. 511,718.
Fishing equipment. David J. Joseph Company. 504,718, Dec. 7; Serial No. 538,146.
Fishing rods and reels. Chisholm-Ryder Co., Inc. 354,390, Feb. 8, 1938. Republished Dec. 7.
Fishing tackle. Thompson's Sporting Goods. 504,714, Dec. 7; Serial No. 528,657.
Golf clubs. A. G. Spalding & Bros. Inc. 504,655, Dec. 7; Serial No. 536,652, published Aug. 3, 1948.
Golf clubs and tennis rackets and flexible strap-like material for use in forming handle grips on golf clubs, etc. Wilson Athletic Goods Mfg. Co., Inc. 504,707, Dec. 7; Serial No. 509,485.

Musical toys. Wolverine Supply and Manufacturing Company. 504,542, Dec. 7; Serial No. 516,749, published Aug. 17, 1948.
Police whistles. Chase Brass & Copper Co. Incorporated. 257,674, June 18, 1929. Republished Dec. 7.
Strings for tennis, badminton, and squash rackets. Armour and Company. 504,627, Dec. 7; Serial No. 533,431, published Aug. 17, 1948.
Tennis rackets. A. G. Spalding & Bros. Inc. 504,654, Dec. 7; Serial No. 536,354, published Aug. 3, 1948.

CLASS 23

Carpet sweepers. E. R. Wagner Manufacturing Company. 504,596–7, Dec. 7; Serial Nos. 530,991–2, published Aug. 17, 1948.
Cop-tubes, quills, bobbins, etc. American Paper Tube Company. 411,298, Jan. 9, 1945. Republished Dec. 7.
Cutlery and flatware, Table. Majestic Silver Co. 504,540, Dec. 7; Serial No. 515,032, published Aug. 17, 1948.
Cutlery, mechanics' tools, and farm tools. Van Camp Hardware & Iron Company. 320,769, Jan. 8, 1935. Republished Dec. 7.
Dairy machinery. Maskin-Och Brobygnads Aktiebolaget. 252,336, renewed Feb. 5, 1949. O. G. Dec. 7.
Die sets, die shoes, punch holders, etc. E. A. Baumbach Mfg. Co., Inc. 265,861, Jan. 7, 1930. Republished Dec. 7.
Equipment for sealing leaks in metal containers. Furmanite Corporation. 232,149, Sept. 6, 1927. Republished Dec. 7.
Foundry jackets. Hines Flask Company. 412,256, Feb. 27, 1945. Republished Dec. 7.
Harvesters, Corn. Rosenthal Manufacturing Company. 420,079, Mar. 26, 1946. Republished Dec. 7.
Paper, Autograph, bill heads, blank books, etc. International Printing Pressmen and Assistants' Union of North America. 398,016, Oct. 6, 1942. Republished Dec. 7.
Plows and parts thereof. Syracuse Chilled Plow Co. 71,075, re-renewed Oct. 27, 1948. O. G. Dec. 7.
Printing machinery. Diamond Printing Machinery Co. 504,541, Dec. 7; Serial No. 515,259, published Aug. 10, 1948.
Razor blades. Club Razor & Blade Mfg. Corp. 341,796, Dec. 22, 1936. Republished Dec. 7.
Razor blades. Club Razor & Blade Mfg. Corp. 346,656, June 1, 1937. Republished Dec. 7.
Razors, Safety. Auto Strop Safety Razor Company, Inc. 247,674, renewed Oct. 2, 1948. O. G. Dec. 7.
Sprayers and spraying attachments. Hudson Manufacturing Co. 248,305, renewed Oct. 16, 1948. O. G. Dec. 7.
Tools. Quality Tools Corporation. 190,593, Oct. 14, 1924. Republished Dec. 7.

CLASS 24

Clothespins. Fenley Brothers. 504,611, Dec. 7; Serial No. 531,832, published Aug. 17, 1948.
Cover and ironing board pad, Combination. F. Galbraith. 441,529, Dec. 7; Serial No. 495,465, published Aug. 31, 1948.
Pads, Ironing board, and ironing board pad covers. Pressing Supply Company. 441,552, Dec. 7; Serial No. 516,571, published Sept. 7, 1948.
Pressing machines, Steam clothes. United States Hoffmann Company. 72,889, re-renewed Mar. 2, 1949. O. G. Dec. 7.
Tables, Ironing. Geuder, Paeschke & Frey Co. 504,685, Dec. 7; Serial No. 541,128, published Aug. 31, 1948.
Washing machines, Laundry. Avco Manufacturing Corporation. 504,550, Dec. 7; Serial No. 526,666, published Aug. 31, 1948.
Wringers, Portable laundry. Chicago Electric Manufacturing Company. 504,575, Dec. 7; Serial No. 529,361, published Sept. 7, 1948.
Wringers, Portable laundry. Chicago Electric Manufacturing Company. 504,576, Dec. 7; Serial No. 529,364, published Sept. 7, 1948.

CLASS 26

Appliance to measure the foot for length, etc. Scholl Mfg. Co., Inc. 419,649, Feb. 26, 1946. Corrected. O. G. Dec. 7.
Balances and scales. Torsion Balance Company. 406,952, May 9, 1944. Republished Dec. 7.
Lenses, Ophthalmic. Continental Optical Company. 259,418, July 30, 1929. Republished Dec. 7.
Paper, Photographic. Ansco Company. 72,478, re-renewed Jan. 26, 1949. O. G. Dec. 7.
Scales, Household. Hanson Scale Company. 504,713, Dec. 7; Serial No. 527,478.
Scales, Weighing or measuring. Buffalo Scale Co. 27,464, Dec. 10, 1895. Republished Dec. 7.
Spectacles, spectacle frames, and parts thereof. E. E. Emons. 248,381, renewed Oct. 16, 1948. O. G. Dec. 7.

CLASS 27

Watches. E. M. Rosenthal Jewelry Co. 504,661, Dec. 7; Serial No. 537,833, published Aug. 31, 1948.
Watches. I. Sherman. 504,682, Dec. 7; Serial No. 540,324, published Aug. 31, 1948.
Watches and watch cases. Lutringer & Kammerer, Inc. 504,674, Dec. 7; Serial No. 539,065, published Aug. 31, 1948.
Watches, watch movements, and parts thereof. Fabrique Des Montres Moeris, F. Moeri S. A. 441568–9, Dec. 7; Serial Nos. 513,618–19.

CLASS 28

Cutlery and flatware, Silver and silver-plated table. Majestic Silver Co. 504,539, Dec. 7; Serial No. 515,031, published Aug. 24, 1948.
Jewelry. A. C. Becken Co. 504,687, Dec. 7; Serial No. 543,008, published Sept. 7, 1948.
Jewelry made of semi-precious metals and precious metals, Men's and ladies'. M. Hoffman. 416,079, Aug. 28, 1945. Republished Dec. 7.
Necklaces, bracelets, earrings, etc. Coro, Inc. 504,668, Dec. 7; Serial No. 538,498, published Aug. 31, 1948.
Rings, Finger. M. B. Richey. 504,710, Dec. 7; Serial No. 514,720.
Rings, Finger, ornamental pins, and medals, etc. Josten Manufacturing Company. 504,577, Dec. 7; Serial No. 529,468, published Aug. 24, 1948.

CLASS 29

Brushes. John L. Whiting-J. J. Adams Company. 213,640, June 1, 1926. Republished Dec. 7.

CLASS 30

Chinaware. R. H. Macy & Co., Inc. 250,407, renewed Dec. 11, 1948. O. G. Dec. 7.

CLASS 31

Filters. Chase Brass & Copper Co. Incorporated. 257,668, June 18, 1929. Republished Dec. 7.
Refrigerating units, Mechanical. Universal Cooler Corporation. 242,327, May 22, 1928. Republished Dec. 7.

CLASS 32

Blinds, Venetian. Modern Venetian Blinds, Inc. 504,657, Dec. 7; Serial No. 536,945, published Sept. 7, 1948.
Cabinets and parts therefor. Service Station Equipment Company. 300,971, Feb. 14, 1933. Republished Dec. 7.
Cabinets, Filing. Columbia Steel Equipment Company. 255,085, Apr. 16, 1929. Republished Dec. 7.
Cushion construction, Spring. Stearns & Foster Company. 298,404, Oct. 25, 1932. Republished Dec. 7.
Mattresses. Stearns & Foster Company. 159,115, Sept. 19, 1922. Republished Dec. 7.
Mattresses. Stearns & Foster Company. 257,934–6, June 25, 1929. Republished Dec. 7.
Mattresses. Stearns & Foster Company. 257,938, June 25, 1929. Republished Dec. 7.
Mattresses. Stearns & Foster Company. 265,358, Dec. 24, 1929. Republished Dec. 7.
Mattresses. Stearns & Foster Company. 298,402, Oct. 25, 1932. Republished Dec. 7.

CLASS 34

Dehumidifiers. Solvay Process Company. 391,219, Oct. 28, 1941. Republished Dec. 7.
Lamps, Acetylene and metal reflectors and parts therefor. Chase Brass & Copper Co. Incorporated. 257,782, June 18, 1929. Republished Dec. 7.
Ranges, Coal, coal heating stoves, oil ranges, etc. Van Camp Hardware & Iron Company. 326,325, July 23, 1935. Republished Dec. 7.
Ventilators, stovepipe, elbows, etc. Sheet Metal Manufacturing Company, Inc. 118,820, Oct. 2, 1917. Republished Dec. 7.

CLASS 35

Brake lining sets. Thermoid Company. 504,719, Dec. 7; Serial No. 544,794.
Hose, Fire. General Detroit Corp. 417,543, Oct. 30, 1945. Republished Dec. 7.
Hose of all kinds. Goodyear Tire & Rubber Company. 504,564, Dec. 7; Serial No. 528,459, published Aug. 17, 1948.
Linings, Brake band, and brake band blocks. Americas Manufacturing and Sales Company. 504,716, Dec. 7; Serial No. 532,986.
Tires and inner tubes, Pneumatic. United States Rubber Company. 431,259, July 15, 1947. Republished Dec. 7.
Tires, Pneumatic vehicle, and portable tire repair kits. Shaler Company. 290,869, Jan. 19, 1932. Republished Dec. 7.
Vulcanizing equipment, Tire tube. Shaler Company. 374,282, Jan. 2, 1940. Republished Dec. 7.

CLASS 36

Phonograph needles. Columbia Records Inc. 504,623, Dec. 7; Serial No. 532,804, published Sept. 7, 1948.
Pianos, piano accordions, and electronic organs. Rudolph Wurlitzer Company. 504,653, Dec. 7; Serial No. 536,203, published Sept. 7, 1948.
Records, Mechanically grooved. Raven Recording Company. 504,651, Dec. 7; Serial No. 536,135, published Sept. 7, 1948.
Resin. Hildersine Company Limited. 504,679, Dec. 7; Serial No. 539,699, published Sept. 7, 1948.
Whistles used by trap drummers. Chase Brass and Copper Co. Incorporated. 257,666, June 18, 1929. Republished Dec. 7.

CLASS 37

Binders, Loose-leaf and ring. White & Wyckoff Mfg. Co. 272,182, July 1, 1930. Republished Dec. 7.
Books having permanently bound leaves, Blank. White & Wyckoff Mfg. Company. 324,643, May 28, 1935. Republished Dec. 7.
Forms, Blank order or business. Autographic Register Company. 504,612, Dec. 7; Serial No. 532,102, published Aug. 24, 1948.
Forms, Bookkeeping, and accounting records. Continental Bookkeeping Service. 504,688, Dec. 7; Serial No. 543,685, published Aug. 24, 1948.
Index systems, etc., Visible record card. Acme Visible Records, Inc. 504,686, Dec. 7; Serial No. 541,760, published Aug. 31, 1948.
Inkwells. Sterling Plastics Co. 504,624, Dec. 7; Serial No. 532,965, published Aug. 3, 1948.
Mats, Stereotype. Burgess Cellulose Company. 504,617, Dec. 7; Serial No. 532,415, published Aug. 3, 1948.
Paper, Autograph, bill heads, blank books, etc. International Printing Pressmen and Assistants' Union of North America. 398,016, Oct. 6, 1942. Republished Dec. 7.
Paper, Bond. Gilbert Paper Company. 274,875, Sept. 9, 1930. Republished Dec. 7.
Paper, Dull-finished. Martin Cantine Co. 259,959, Aug. 13, 1929. Republished Dec. 7.
Paper, Envelope. Champion Paper and Fibre Company. 504,555, Dec. 7; Serial No. 527,300, published Aug. 3, 1948.
Paper tissues, All purpose absorbent. International Cellucotton Products Company. 504,613, Dec. 7; Serial No. 532,228, published Aug. 3, 1948.
Paper tissues, All purpose absorbent. International Cellucotton Products Company. 504,614–15, Dec. 7; Serial Nos. 532,231–2, published Aug. 3, 1948.
Paper, Wrapping. Longview Fibre Company. 504,546–7, Dec. 7; Serial Nos. 526,535–6, published Aug. 17, 1948.
Paper, Writing and printing. Keith Paper Company. 424,464, Oct. 8, 1946. Republished Dec. 7.
Paper, Writing and printing. White & Wyckoff Mfg. Company. 316,188, Aug. 21, 1934. Republished Dec. 7.
Pencils. L. & C. Hardtmuth, Inc. 504,631, Dec. 7; Serial No. 534,113, published Aug. 10, 1948.
Pens of all kinds, Writing. Esterbrook Pen Company. 504,629, Dec. 7; Serial No. 533,861, published Aug. 17, 1948.
Sheets of plastic film, Thin. Transolene Corporation. 441,563, Dec. 7; Serial No. 523,629, published Aug. 3, 1948.
Tablets, Writing, composition books, and notebooks. White & Wyckoff Mfg. Co. 273,010, July 15, 1930. Republished Dec. 7.
Tablets, Writing, composition books, and note-books. White & Wyckoff Mfg. Company. 346,143, May 18, 1937. Republished Dec. 7.

CLASS 38

Almanacs, annual publications, book series, etc. International Printing Pressmen and Assistants' Union of North America. 398,017, Oct. 6, 1942. Republished Dec. 7.
Bibles. A. J. Holman Company. 400,094, Feb. 16, 1943. Republished Dec. 7.
Bibles and Testaments. A. J. Holman Company. 384,806, Feb. 4, 1941. Republished Dec. 7.
Edition of the New Testament, Particular. A. J. Holman Company. 392,550, Dec. 30, 1941. Republished Dec. 7.
Newspapers. Chicago Daily News, Inc. 251,988, renewed Jan. 22, 1949. O. G. Dec. 7.
Publication, Monthly. Chicago Daily News, Inc. 252,952, renewed Feb. 19, 1949. O. G. Dec. 7.
Series of cartoons. Chicago Tribune-New York News Syndicate, Inc. 374,038, Dec. 26, 1939. Republished Dec. 7.
Series of cartoons. Chicago Tribune-New York News Syndicate, Inc. 374,041–2, Dec. 26, 1939. Republished Dec. 7.
Series of cartoons. Chicago Tribune-New York News Syndicate, Inc. 374,044, Dec. 26, 1939. Republished Dec. 7.
Strips of humorous drawings. Bell Syndicate, Inc. 268,332, Mar. 11, 1930. Republished Dec. 7.

CLASS 39

Belts, necktles, stocks, etc. B. Parker. 80,613, Jan. 10, 1911. Republished Dec. 7.
Boots and shoes. Regal Shoe Company. 253,849, renewed Mar. 5, 1949. O. G. Dec. 7.
Boots and shoes. Selby Shoe Company. 249,568, renewed Nov. 20, 1948. O. G. Dec. 7.
Boots and shoes. Simplex Shoe Manufacturing Company. 267,555, Feb. 25, 1930. Republished Dec. 7.
Boots, shoes, and slippers. Scholl Mfg. Co., Inc. 418,928, Jan. 15, 1946. Corrected. O. G. Dec. 7.
Brassières. G. M. Poix, Inc. 230,081, July 12, 1927. Republished Dec. 7.
Brassières. G. M. Poix, Inc. 431,454–5, July 22, 1947. Republished Dec. 7.
Brassières and bandeaux, Strapless. G. M. Poix, Inc. 430,640, June 17, 1947. Republished Dec. 7.
Clothes, Children's play. North Shore Manufacturing Company. 425,829, Dec. 3, 1946. Republished Dec. 7.
Clothing, Water-proofed. Harris Raincoat Company. 236,852, renewed Dec. 27, 1947. O. G. Dec. 7.
Coats, suits, dresses, etc., Women's and misses'. Weill & Hartmann. 196,028, Mar. 10, 1925. Republished Dec. 7.
Dresses for children. E. D. Tobin. 400,849, Apr. 6, 1943. Republished Dec. 7.
Dresses, hats, coats, etc., Ladies'. McGreevey, Werring & Howell, Inc. 249,075, renewed Nov. 6, 1948. O. G. Dec. 7.
Dresses, Ladies' and misses'. E. D. Tobin. 397,933, Sept. 29, 1942. Republished Dec. 7.
Dresses, Ladies' and misses'. E. D. Tobin. 402,168, July 6, 1943. Republished Dec. 7.
Dresses, Ladies', misses' and children's. J. Tobin. 381,814, Oct. 8, 1940. Republished Dec. 7.
Footwear. Sommer & Kaufmann, Inc. 263,891, Nov. 12, 1929. Republished Dec. 7.
Garments, Outer. Oppenheim, Collins & Company. 114,905, Jan. 9, 1917. Republished Dec. 7.
Girdles. Marcus & Wiesen, Inc. 305,749, Aug. 22, 1933. Republished Dec. 7.
Gloves. Oppenheim, Collins & Company. 109,367, Apr. 4, 1916. Republished Dec. 7.
Gloves. Stern Brothers. 252,404, renewed Feb. 5, 1949. O. G. Dec. 7.
Gloves, corsets, brassières, etc. Weill & Hartmann. 301,346, Feb. 28, 1933. Republished Dec. 7.
Hats for men. Byer-Rolnick Company. 283,454, May 26, 1931. Republished Dec. 7.
Hats, Straw. M. S. Levy & Sons, Inc. 248,928, renewed Nov. 6, 1948. O. G. Dec. 7.
Hosiery. Adams-Millis Corporation. 365,697, Mar. 14, 1939. Republished Dec. 7.
Hosiery. J. W. Landenberger & Co. 342,621, Jan. 19, 1937. Republished Dec. 7.
Hosiery. J. W. Landenberger & Co. 357,202, May 24, 1938. Republished Dec. 7.
Hosiery. Laurel Hosiery Company. 321,292, Jan. 29, 1935. Republished Dec. 7.
Hosiery. Shelton Hosiery Mills, Inc. 276,320, Oct. 14, 1930. Republished Dec. 7.
Overalls, coats, vests, etc., Men's, youths' and boys'. Buckeye Overall Company. 253,661, renewed Mar. 5, 1949. O. G. Dec. 7.
Overalls, coveralls; dress, negligee and work shirts, etc. Buckeye Overall Company. 252,985, renewed Feb. 19, 1949. O. G. Dec. 7.
Shirts, Dress, negligee shirts, vests, etc. B. Parker. 80,614, Jan. 10, 1911. Republished Dec. 7.
Shirts, Work. Stahl-Urban & Company. 249,246, renewed Nov. 13, 1948. O. G. Dec. 7.
Shoes. Scholl Mfg. Co., Inc. 422,941, Aug. 20, 1946. Corrected. O. G. Dec. 7.
Shoes. Selby Shoe Company. 245,247, renewed Aug. 7, 1948. O. G. Dec. 7.
Shoes and slippers. Youngsters Shoes Ltd. 433,433, Oct. 14, 1947. Republished Dec. 7.
Shoes, Leather. Simplex Shoe Manufacturing Company. 202,732–3, Sept. 1, 1925. Republished Dec. 7.
Slips, Princess, nightgowns, ladies' uniforms, etc. I. Schneierson & Sons, Inc. 504,684, Dec. 7; Serial No. 540,461, published Aug. 10, 1948.
Sport shirts, jackets, etc. Ultrafit Co., Inc. 432,488, Sept. 2, 1947. Amended. O. G. Dec. 7.
Stockings and underwear. J. W. Landenberger & Co. 98,401, July 14, 1914. Republished Dec. 7.
Suits, Men's and boys'. Famous-Sternberg, Inc. 323,001, Mar. 26, 1935. Republished Dec. 7.
Suspenders. Hewes & Potter. 230,967, Aug. 9, 1927. Republished Dec. 7.
Sweaters and sport coats. Pacific Knitting Mills. 350,926, Oct. 12, 1937. Republished Dec. 7.
Topcoats and overcoats, Men's. J. Siegel. 210,759, Mar. 23, 1926. Republished Dec. 7.
Topcoats and overcoats, Men's. Jacob Siegel Company. 367,152, May 9, 1939. Republished Dec. 7.
Topcoats and overcoats, Men's. Jacob Siegel Company. 395,920, June 16, 1942. Republished Dec. 7.
Topcoats and overcoats, Men's. Jacob Siegel Company. 420,759, Apr. 30, 1946. Republished Dec. 7.
Topcoats and overcoats, Men's and boys'. Jacob Siegel Company. 410,835, Dec. 19, 1944. Republished Dec. 7.
Topcoats and overcoats, Men's and boys'. Jacob Siegel Company. 414,054, May 22, 1945. Republished Dec. 7.
Topcoats and overcoats, Men's and young men's. Jacob Siegel Company. 396,982, Aug. 11, 1942. Republished Dec. 7.
Topcoats and overcoats, Men's and young men's. Jacob Siegel Company. 408,103, July 18, 1944. Republished Dec. 7.
Topcoats and overcoats, Men's, young men's, and boys'. Jacob Siegel Company. 404,601, Dec. 7, 1943. Republished Dec. 7.
Topcoats and overcoats, Men's, young men's, and boys'. Jacob Siegel Company. 405,047–8, Jan. 4, 1944. Republished Dec. 7.
Topcoats and overcoats, Men's, young men's, and boys'. Jacob Siegel Company. 408,112, July 18, 1944. Republished Dec. 7.
Topcoats, overcoats, and suits, Men's. J. Siegel. 286,957, Sept. 8, 1931. Republished Dec. 7.

Topcoats, overcoats, and suits, Men's. Jacob Siegel Company. 326,622, July 30, 1935. Republished Dec. 7.
Topcoats, overcoats, and suits, Men's. Jacob Siegel Company. 327,055, Aug. 13, 1935. Republished Dec. 7.
Undergarments, Ladies', men's and children's. R. A. Wentzel. 356,097, Apr. 12, 1938. Republished Dec. 7.
Undergarments, Ladies', men's and children's. R. A. Wentzel. 371,637, Oct. 3, 1939. Republished Dec. 7.
Undergarments, Ladies', men's, and children's. R. A. Wentzel. 375,545, Feb. 20, 1940. Republished Dec. 7.
Underwear, Infants' knitted. Blue Star Knitting Company. 253,829, renewed Mar. 5, 1949. O. G. Dec. 7.
Underwear, Men's. Robinson Mfg. Company, Inc. 363,450, Dec. 27, 1938. Republished Dec. 7.
Union suits, Men's, pants, athletic shirts, etc. Campe Corporation. 394,749, Apr. 28, 1942. Republished Dec. 7.
Wearing apparel, Women's under and outer. O. J. de Lendrecie Company. 362,197, Nov. 15, 1938. Republished Dec. 7.

CLASS 40

Blanket binding, Sateen. Jordan Marsh Company. 238,624, Feb. 14, 1928. Republished Dec. 7.
Bob pins. Solo Products Corporation. 504,700, Dec. 7; Serial No. 549,476, published Aug. 31, 1948.
Buckles, slides, grips and clasps, etc. Hickok Manufacturing Co. Inc. 504,699, Dec. 7; Serial No. 549,255, published Aug. 31, 1948.
Comb and hair ornaments, Combined. Ben Hur Products, Inc. 384,663, Jan. 28, 1941. Republished Dec. 7.
Combs and barrettes. Ben Hur Products, Inc. 413,255, Apr. 17, 1945. Republished Dec. 7.
Crochet hooks. H. C. Bates. 393,650, Feb. 24, 1942. Republished Dec. 7.
Crochet hooks. H. C. Bates. 395,871–4, June 16, 1942. Republished Dec. 7.
Crochet hooks and knitting needles. H. C. Bates. 388,044, June 10, 1941. Republished Dec. 7.
Hatpins. Schein Brothers, Inc. 400,116, Feb. 16, 1943. Republished Dec. 7.
Pins, Safety, hooks and eyes, and snap fasteners. De Long Hook and Eye Company. 441,530, Dec. 7; Serial No. 495,726, published Aug. 10, 1948.
Sewing kits and sewing sets. H. C. Bates. 376,729, Apr. 2, 1940. Republished Dec. 7.
Shoulder pads. R. G. Barry Corporation. 504,701, Dec. 7; Serial No. 549,610, published Aug. 31, 1948.
Shoulder pads and hem facings, Garment. Clair's Mfg. Co. 504,698, Dec. 7; Serial No. 549,229, published Aug. 31, 1948.

CLASS 42

Blankets. L. B. Price Mercantile Company. 504,666, Dec. 7; Serial No. 538,314, published Aug. 31, 1948.
Blankets composed wholly or in part of wool. American Woolen Company. 504,536, Dec. 7; Serial No. 510,467, published Aug. 31, 1948.
Canvas cloth and sailcloth, all being piece goods. Francis Webster & Sons Limited. 441,535, Dec. 7; Serial No. 504,521, published Aug. 31, 1948.
Canvas, Collar. Thomas Textile Service Co. 426,123–4, Dec. 17, 1946. Republished Dec. 7.
Carpets and rugs. Alexander Smith & Sons Carpet Company. 504,691, Dec. 7; Serial No. 545,544, published Aug. 24, 1948.
Curtains and drapes, Full length window. Richard Borden Mills Corp. 504,697, Dec. 7; Serial No. 548,326, published Aug. 31, 1948.
Curtains, Window. Ardsley Curtain Co., Inc. 504,669, Dec. 7; Serial No. 538,591, published Aug. 31, 1948.
Draperies; valences; and coated and uncoated upholstery and decorative fabrics. Edwin Raphael Company, Inc. 441,556, Dec. 7; Serial No. 519,293, published Aug. 31, 1948.
Fabrics, Coated, in the piece. Grace & Wayne Co. 504,673, Dec. 7; Serial No. 539,046, published Aug. 31, 1948.
Fabrics in the piece. Gribbon Company, Inc. 504,670, Dec. 7; Serial No. 538,636, published Aug. 31, 1948.
Fabrics in the piece. Pondel Fabrics, Inc. 504,694, Dec. 7; Serial No. 546,603, published Aug. 24, 1948.
Fabrics in the piece, Corduroy. Crompton Company. 441,540, Dec. 7; Serial No. 508,980, published Aug. 31, 1948.
Fabrics in the piece, Cotton, rayon and woolen. I. H. Cohen. 441,538, Dec. 7; Serial No. 507,461, published Aug. 31, 1948.
Fabrics in the piece, Silk. Onondaga Silk Company, Inc. 283,139, May 19, 1931. Republished Dec. 7.
Fabrics in the piece, Silk. Onondaga Silk Company, Inc. 283,144, May 19, 1931. Republished Dec. 7.
Fabrics in the piece, Silk. Onondaga Silk Company, Inc. 307,423, Oct. 24, 1933. Republished Dec. 7.
Fabrics in the piece, Silk. Onondaga Silk Company, Inc. 307,810, Nov. 7, 1933. Republished Dec. 7.
Fabrics in the piece, Textile. Craftex Mills, Inc. of Penna. 504,533, Dec. 7; Serial No. 506,369, published Aug. 24, 1948.
Fabrics in the piece, Woolen and worsted. Virginia Woolen Company. 504,643, Dec. 7; Serial No. 535,278, published Aug. 31, 1948.
Film or sheeting, Vinyl plastic. Goodall-Sanford, Inc. 441,553, Dec. 7; Serial No. 516,768, published Aug. 24, 1948.
Film, Plastic, in the piece. Resiloid Corporation. 504,677, Dec. 7; Serial No. 539,350, published Aug. 31, 1948.
Nursery and sanitary sheeting, Rubberized. Holland-Rantos Company, Inc. 504,534, Dec. 7; Serial No. 509,341, publisehd Aug. 24, 1948.
Padding by the yard or roll, Quilted. Portex Products Company. 504,664, Dec. 7; Serial No. 538,174, published Aug. 31, 1948.
Piece goods, Cotton. D. B. Fuller & Co., Inc. 504,644, Dec. 7; Serial No. 535,314, published Aug. 31, 1948.
Piece goods, Cotton. Jackson & Jackson, Inc. 504,610, Dec. 7; Serial No. 531,802, published Aug. 31, 1948.
Piece goods, Cotton. Massachusetts Cotton Mills. 49,211, Jan. 30, 1906. Republished Dec. 7.
Piece goods, Cotton, woolen, linen and silk. B. Parker. 80,374, Dec. 13, 1910. Republished Dec. 7.
Piece goods of rayon and silk. White Trading Corporation. 441,542, Dec. 7; Serial No. 509,808, published Aug. 31, 1948.
Piece goods of rayon, silk, silk and rayon, etc. Lincoln Fabrics, Co. Inc. 504,544, Dec. 7; Serial No. 517,494, published Aug. 24, 1948.
Piece goods, Silk. Onondaga Silk Company, Inc. 340,132, Nov. 3, 1936. Republished Dec. 7.
Piece goods, Ticking. Stearns & Foster Company. 273,110, July 22, 1930. Republished Dec. 7.
Piece goods, Woolen. Forstmann & Huffmann Company. 245,824, renewed Aug. 21, 1948. O. G. Dec. 7.
Piece goods, Woolen. Forstmann & Huffmann Company. 246,273–5, renewed Sept. 4, 1948. O. G. Dec. 7.
Piece goods, Woolen. Forstmann & Huffmann Company. 247,313–14, renewed Sept. 25, 1948. O. G. Dec. 7.
Piece goods, Woolen. Strong Hewat & Co., Inc. 504,695, Dec. 7; Serial No. 546,735, published Aug. 31, 1948.
Pile fabrics in the piece. Sidney Blumenthal & Co., Inc. 504,584–7, Dec. 7; Serial Nos. 530,283–6, published Aug. 31, 1948.
Robes, Motor, (textile lap robes). Lee Brothers (Overwear) Limited. 236,196, Dec. 6, 1927. Republished Dec. 7.
Rugs. Klearflax Linen Looms, Inc. 504,656, Dec. 7; Serial No. 536,906, published Aug. 31, 1948.
Rugs. Marshall Field & Company. 504,696, Dec. 7; Serial No. 547,137, published Aug. 31, 1948.
Sateen in piece goods, Cotton. Sodeco Trading Corporation. 504,607, Dec. 7; Serial No. 531,525, published Aug. 31, 1948.
Sheets, Crib, pillow-cases, and knit jersey fabrics in the piece. Novelty Knitting Company. 234,803, Nov. 8, 1927. Republished Dec. 7.
Sheets, pillowcases and blankets. Pepperell Manufacturing Company. 504,580, Dec. 7; Serial No. 530,016, published Aug. 31, 1948.
Tablecloths, doilies and mat covers. Kemp & Beatley. 161,517, Nov. 14, 1922. Republished Dec. 7.
Textile fabrics, Cotton and rayon. Bellman Brook Bleachery Co. 253,408, renewed Feb. 26, 1949. O. G. Dec. 7.
Textile fabrics in the piece. United States Rubber Company. 432,395, Sept. 2, 1947. Republished Dec. 7.
Textile fabrics in the piece, tablecloths, napkins, etc. Kemp & Beatley, Inc. 388,643, July 1, 1941. Republished Dec. 7.

CLASS 43

Stitching thread and heavy cotton sewing thread, Cotton. General Thread Mills, Inc. 504,590–2, Dec. 7; Serial Nos. 530,492–4, published Aug. 10, 1948.
Thread and yarn. H. E. Locke & Company, Inc. 130,088, Apr. 6, 1920. Republished Dec. 7.
Thread and yarn. H. E. Locke & Company, Inc. 136,077, Oct. 26, 1920. Republished Dec. 7.
Thread, Cotton. H. E. Locke. 57,413, Nov. 13, 1906. Republished Dec. 7.
Threads, Pure and artificial silk. Belding Heminway Company. 504,641–2, Dec. 7; Serial Nos. 535,120–1, published Aug. 10, 1948.
Yarn. J. W. Landenberger & Co. 341,413, Dec. 8, 1936. Republished Dec. 7.
Yarns, Knitting. Jack Frost Yarn Company. 254,429, renewed Mar. 26, 1949. O. G. Dec. 7.
Yarns, Rayon. American Enka Corporation. 504,598, Dec. 7; Serial No. 531,002, published Aug. 17, 1948.

CLASS 44

Arch supports. Scholl Mfg. Co., Inc. 413,735–8, May 8, 1945. Corrected. O. G. Dec. 7.
Arch supports. Scholl Mfg. Co., Inc. 413,740–3, May 8, 1945. Corrected. O. G. Dec. 7.
Arch supports. Scholl Mfg. Co., Inc. 414,063, May 22, 1945. Corrected. O. G. Dec. 7.
Arch supports. Scholl Mfg. Co., Inc. 416,785, Sept. 25, 1945. Corrected. O. G. Dec. 7.
Arch supports. Scholl Mfg. Co., Inc. 418,490, Dec. 25, 1945. Corrected. O. G. Dec. 7.
Arch supports. Scholl Mfg. Co., Inc. 423,211, Aug. 27, 1946. Corrected. O. G. Dec. 7.
Arch supports. Scholl Mfg. Co., Inc. 425,499, Nov. 26, 1946. Corrected. O. G. Dec. 7.
Arch supports. Scholl Mfg. Co., Inc. 425,614, Nov. 26, 1946. Corrected. O. G. Dec. 7.
Arch supports. Scholl Mfg. Co., Inc. 428,380, Mar. 25, 1947. Corrected. O. G. Dec. 7.

Arch supports. Scholl Mfg. Co., Inc. 429,189, Apr. 22, 1947. Corrected. O. G. Dec. 7.
Arch supports. Scholl Mfg. Co., Inc. 429,954, May 27, 1947. Corrected. O. G. Dec. 7.
Elastic adhesive bandages. Scholl Mfg. Co., Inc. 421,153, May 21, 1946. Corrected. O. G. Dec. 7.
Flexible adhesive bandages. Scholl Mfg. Co., Inc. 419,224, Feb. 5, 1946. Corrected. O. G. Dec. 7.
Leg make-up applicators. Scholl Mfg. Co., Inc. 412,559, Mar. 13, 1945. Corrected. O. G. Dec. 7.
Rubber articles, Prophylactic. L. Hilsenbeck, Inc. 247,841, renewed Oct. 9, 1948. O. G. Dec. 7.
Toothpicks. Hardwood Products Company. 332,744, Feb. 25, 1936. Republished Dec. 7.

CLASS 45

Beverage, Non-alcoholic, maltless. H. R. Nicholson Company. 504,633, Dec. 7; Serial No. 534,498, published Sept. 7, 1948.
Beverages, Carbonated, non-alcoholic, non-cereal, maltless. Seven-Up Company. 504,531, Dec. 7; Serial No. 502,723, published Aug. 24, 1948.
Beverages, nonalcoholic maltless. P. I. Ross. 441,536, Dec. 7; Serial No. 506,346, published Aug. 17, 1948.
Beverages, Non-intoxicating, non-alcoholic, non-cereal, maltless. I. B. C. Root Beer Company. 504,554, Dec. 7; Serial No. 527,160, published Aug. 31, 1948.
Flavoring extracts and syrups. H. Baron & Co. Inc. 504,628, Dec. 7; Serial No. 533,529, published Sept. 7, 1948.
Non-alcoholic, maltless beverage. National Nugrape Company. 441,562, Dec. 7; Serial No. 523,410, published Sept. 7, 1948.
Spring-water, Natural. Chippewa Springs Corporation. 504,649, Dec. 7; Serial No. 535,812.

CLASS 46

Berry preserves, jellies, and marmalades. Diamond T Preserving Co. 416,427, Sept. 11, 1945. Republished Dec. 7.
Bread. Midland Flour Milling Co. 167,413, May 1, 1923. Republished Dec. 7.
Candies. E. Greenfield's Sons, Inc. 349,218, Aug. 24, 1937. Republished Dec. 7.
Candies. Henry Heide, Incorporated. 351,003, Oct. 12, 1937. Republished Dec. 7.
Candies, R. H. Macy & Co., Inc. 252,261, renewed Jan. 29, 1949. O. G. Dec. 7.
Candies and chocolates. E. Greenfield's Sons, Inc. 349,215–16, Aug. 24, 1937. Republished Dec. 7.
Candy. Palmer Candy Co. 113,787, Oct. 31, 1916. Republished Dec. 7.
Candy. Palmer Candy Co. 200,517, July 7, 1925. Republished Dec. 7.
Candy. Palmer Candy Co. 214,954, July 6, 1926. Republished Dec. 7.
Candy bars, Peanut. Brown & Haley. 421,417, June 4, 1946. Republished Dec. 7.
Candy, Chocolate brittle. Brown & Haley. 191,430, Nov. 11, 1924. Republished Dec. 7.
Canned and frozen fish. Alaska Pacific Salmon Company. 369,870, Aug. 8, 1939. Republished Dec. 7.
Canned citrus fruit juices. R. C. Hausinger. 391,929, Dec. 2, 1941. Republished Dec. 7.
Canned fish. Thlinket Packing Corporation. 141,059, Apr. 5, 1921. Republished Dec. 7.
Canned fish. Thlinket Packing Corporation. 141,061, Apr. 5, 1921. Republished Dec. 7.
Canned fish. Whiz Fish Products Company, Inc. 504,706, Dec. 7; Serial No. 508,770.
Canned fruits, canned vegetables, and canned fish. Tibbitts-Hewitt Grocery Company. 137,068, Nov. 16, 1920. Republished Dec. 7.
Canned fruits, canned vegetables, canned berries, etc. Ury-Talbert Company. 196,787, Mar. 31, 1925. Republished Dec. 7.
Canned fruits, canned vegetables, canned fish, etc. Steele-Wedeles Company. 297,631, Sept. 20, 1932. Republished Dec. 7.
Canned fruits, canned vegetables, canned fruits for salad, etc. Haas Brothers. 425,788, Dec. 3, 1946. Republished Dec. 7.
Canned peas. Clyman Canning Company. 374,478, Jan. 9, 1940. Republished Dec. 7.
Canned pimientos. Hills Brothers Company. 253,631, renewed Mar. 5, 1949. O. G. Dec. 7.
Canned processed dehydrated cranberries. Colley Cranberry Company. 393,964, Mar. 10, 1942. Republished Dec. 7.
Canned product consisting of cut stringless beans with potatoes and pork. H. H. Brakeley, Jr. 381,792, Oct. 8, 1940. Republished Dec. 7.
Canned salmon. Alaska Pacific Salmon Corporation. 290,892, Jan. 19, 1932. Republished Dec. 7.
Canned salmon. Annette Islands Canning Company. 347,004, June 15, 1937. Republished Dec. 7.
Canned salmon. George W. Sanborn & Son. 91,606, May 13, 1913. Republished Dec. 7.
Canned salmon. Geo. W. Sanborn & Son. 93,468, Sept. 16, 1913. Republished Dec. 7.
Canned salmon. Geo. W. Sanborn & Sons. 152,494, Feb. 28, 1922. Republished Dec. 7.
Canned salmon. Sunny Point Packing Company, Inc. 92,141, June 17, 1913. Republished Dec. 7.
Canned shrimp, canned crab, canned minced clams, etc. Haas, Baruch & Co. 130,312, Apr. 20, 1920. Republished Dec. 7.
Cereals, Breakfast. Doughboy Mills, Inc. 428,369, Mar. 25, 1947. Republished Dec. 7.
Cheese. Bel Paese Sales Co. Inc. 382,475, Oct. 29, 1940. Republished Dec. 7.
Cheese. Bel Paese Sales Co. Inc. 386,552, Apr. 15, 1941. Republished Dec. 7.
Chewing gum, Candy-coated. Beech-Nut Packing Company. 253,465, renewed Feb. 26, 1949. O. G. Dec. 7.
Chocolates. Henry Heide, Incorporated. 404,511, Nov. 30, 1943. Republished Dec. 7.
Chutney. T. Hebert. 413,018, Apr. 3, 1945. Republished Dec. 7.
Coffee. Maury-Cole Company. 251,302, renewed Jan. 1, 1949. O. G. Dec. 7.
Coffee. C. S. Morey Mercantile Company. 52,130, May 1, 1906. Republished Dec. 7.
Coffee. Wm. A. Stewart. 129,547, Feb. 24, 1920. Republished Dec. 7.
Coffee and tea. American Coffee Company, Inc. 419,370, Feb. 12, 1946. Republished Dec. 7.
Coffee, Roasted and ground. New Orleans Coffee Co. Ltd. 49,057, Jan. 23, 1906. Republished Dec. 7.
Coffee, savory, cocoa, etc. L. H. Parke Company. 241,944, May 8, 1928. Republished Dec. 7.
Condiment sauces. Price Flavoring Extract Company. 208,020, Jan. 19, 1926. Republished Dec. 7.
Corn-starch, corn-flour, and starch for laundry purposes. National Starch Manufacturing Company. 30,327, July 6, 1897. Republished Dec. 7.
Dates. J. Arnoult. 223,343, renewed Feb. 1, 1947. O. G. Dec. 7.
Dessert powders, ice-cream powders, cocoa, etc. B. Heller & Company. 243,969, renewed July 3, 1948. O. G. Dec. 7.
Feed for animals. G. C. Bailey. 403,127, Sept. 7, 1943. Republished Dec. 7.
Feed, Mixed, and wheat screenings. Standard Milling Company. 311,265, Mar. 20, 1934. Republished Dec. 7.
Feeds, Animal. Tarklo Molasses Feed Co. 253,038, renewed Feb. 19, 1949. O. G. Dec. 7.
Feeds, Poultry, dairy, livestock, and hog, cornmeal and wheat flour. Tex-O-Kan Flour Mills Company. 389,182, July 29, 1941. Republished Dec. 7.
Flavoring extracts. C. S. Morey Mercantile Company. 64,380, Aug. 6, 1907. Republished Dec. 7.
Flavoring extracts for food. Price Flavoring Extract Company. 198,923, May 26, 1925. Republished Dec. 7.
Flour, Wheat. Midland Flour Milling Co. 167,201–2, Apr. 24, 1923. Republished Dec. 7.
Flour, Wheat. Midland Flour Milling Co. 172,759, Sept. 11, 1923. Republished Dec. 7.
Flour, Wheat. Midland Flour Milling Co. 178,866, Jan. 29, 1924. Republished Dec. 7.
Flour, Wheat. Midland Flour Milling Co. 220,015, Oct. 26, 1926. Republished Dec. 7.
Flour, Wheat. Midland Flour Milling Co. 299,768, Dec. 20, 1932. Republished Dec. 7.
Flour, Wheat, and mixed feed for livestock and poultry. Standard Milling Company. 407,571, June 13, 1944. Republished Dec. 7.
Fruit juice, Bottled, and pulp for food purposes, jellies, fruit and berry preserves, etc. Diamond T Preserving Co. 423,048, Aug. 20, 1946. Republished Dec. 7.
Fruits canned in glass, canned Melba pears, preserves in glass, etc. Haas, Baruch & Co. 134,369, Aug. 31, 1920. Republished Dec. 7.
Fruits, Citrus. Tree-Gold Cooperative Growers of Florida. 334,804, May 12, 1936. Republished Dec. 7.
Fruits, Dried. Ross Packing Co., Inc. 326,513, July 23, 1935. Republished Dec. 7.
Fruits, Dried, olives, canned fruits, etc. C. S. Morey Mercantile Company. 66,038, Nov. 5, 1907. Republished Dec. 7.
Fruits, Fresh citrous. Chapman Orchards. 224,359, renewed Feb. 22, 1947. O. G. Dec. 7.
Fruits, Fresh citrous. Placentia Mutual Orange Association. 189,867, Sept. 30, 1924. Republished Dec. 7.
Fruits, Fresh citrous. Placentia Mutual Orange Association. 189,882–3, Sept. 30, 1924. Republished Dec. 7.
Fruits, Fresh citrous. Plymouth Citrus Growers Assn. 184,580, May 27, 1924. Republished Dec. 7.
Fruits, Fresh citrus. Frances Citrus Association. 239,943, Mar. 13, 1928. Republished Dec. 7.
Fruits, Fresh citrus. Plymouth Citrus Growers Association. 362,533, Nov. 22, 1938. Republished Dec. 7.
Fruits, Fresh citrus. Plymouth Citrus Growers Association. 418,080, Sept. 4, 1945. Republished Dec. 7.
Fruits, Fresh deciduous. Apples & Pears, Inc. 362,392, Nov. 15, 1938. Republished Dec. 7.
Mayonnaise, sandwich spread, Thousand Island dressing, etc. Fender Mayonnaise Company. 283,445, May 26, 1931. Republished Dec. 7.
Meats, Smoked. Mission Provision Company. 254,787, Apr. 2, 1929. Republished Dec. 7.
Mincemeat. Atmore & Son, Inc. 254,497, renewed Mar. 26, 1949. O. G. Dec. 7.

Oleomargarin. Ohio Butterine Company. 228,752, June 7, 1927. Republished Dec. 7.
Oranges, Fresh. Frances Citrus Association. 310,779, Mar. 6, 1934. Republished Dec. 7.
Oranges, Fresh. Placentia Mutual Orange Association. 124,874, Mar. 18, 1919. Republished Dec. 7.
Paprika, onions, mushrooms, etc. Meyer & Lange, Inc. 93,885, Oct. 21, 1913. Republished Dec. 7.
Peaches, Brandied, pear pickles, apricot pickles, etc. Haas, Baruch & Co. 125,703, June 3, 1919. Republished Dec. 7.
Popcorn, Candied. Rueckheim Bros. & Eckstein. 72,937, re-renewed Mar. 2, 1949. O. G. Dec. 7.
Ravioli, farfalle, french dressing, etc. Emm-An-Cee Company. 260,160, Aug. 20, 1929. Republished Dec. 7.
Salt. Crystaline Salt Company. 54,199, June 19, 1906. Republished Dec. 7.
Salt. Alex. Kerr Bros., & Co. 143,059. May 24, 1921. Republished Dec. 7.
Salt. Alex. Kerr, Brother & Co. Inc. 184,092, May 20, 1924. Republished Dec. 7.
Salt. Remington Salt Company. 178,124, Jan. 8, 1924. Republished Dec. 7.
Sauerkraut. Clyde Kraut Company. 229,472, June 28, 1927. Republished Dec. 7.
Sausage casings. Visking Corporation. 278,352, Dec. 16, 1930. Republished Dec. 7.
Sausage casings. Visking Corporation. 278,356, Dec. 16, 1930. Republished Dec. 7.
Stabilizer derived from wheat. H. B. Burt. 412,267-8, Feb. 27, 1945. Republished Dec. 7.
Tea, Paraguayan (Ilex paraguayensis). C. M. Berndt. 425,343, Nov. 12, 1946. Republished Dec. 7.
Vegetables, Fresh. A. Massera. 373,232, Nov. 28, 1939. Republished Dec. 7.

CLASS 47

Wines. J. P. Geracl. 441,554, Dec. 7; Serial No. 517,990, published Aug. 17, 1948.
Wines. Petri Cigar Co. 349,334, Aug. 24, 1937. Republished Dec. 7.
Wines. Roma Wine Company. 441,555, Dec. 7; Serial No. 518,429, published Sept. 7, 1948.
Wines, Champagne, sparkling wines, and wines in general. Magllone, Gutierrez & Compañia. 441,566, Dec. 7; Serial No. 464,511.
Wines, Sparkling, and still wines. American Wine Company. 504,556, Dec. 7; Serial No. 527,310, published Aug. 31, 1948.
Wines, Sparkling, and still wines. American Wine Company. 504,557, Dec. 7; Serial No. 527,311, published Aug. 24, 1948.

CLASS 48

Ale. R. H. Graupner. 322,774, Mar. 19, 1935. Republished Dec. 7.
Ale. Frank Jones Brewing Company, Inc. 504,574, Dec. 7; Serial No. 529,268, published Sept. 7, 1948.
Beer. A. Gettelman Brewing Company. 322,391, Mar. 5, 1935. Republished Dec. 7.
Beer. Home Brewing Company, Inc. 504,569, Dec. 7; Serial No. 528,793, published Aug. 17, 1948.
Beer. Horlacher Brewing Company. 504,535, Dec. 7; Serial No. 509,345, published Aug. 31, 1948.
Beer. Mankato Brewing Company. 504,648, Dec. 7; Serial No. 535,577, published Aug. 31, 1948.
Beer. Spearman Brewing Company. 340,978, Nov. 24, 1936. Republished Dec. 7.
Beer. August Wagner Breweries, Inc. 504,562, Dec. 7; Serial No. 527,790, published Aug. 17, 1948.
Beer, ale, bock beer, etc. C. Schmidt and Sons, Incorporated. 504,567, Dec. 7; Serial No. 528,746, published Sept. 7, 1948.
Beer, brown stout, porter, and malt extract. Stroh Brewery Company. 71,606, re-renewed Dec. 1, 1948. O. G. Dec. 7.
Beer, Lager. Jos. Schlitz Brewing Co. 122,537, Aug. 20, 1918. Republished Dec. 7.
Beverages, Fermented malt. F. W. Cook Company, Inc. 307,387, Oct. 24, 1933. Republished Dec. 7.
Beverages, Malt. A. Gettelman Brewing Company. 313,899, June 12, 1934. Republished Dec. 7.
Beverages, Malt. R. H. Graupner. 281,000, Mar. 3, 1931. Republished Dec. 7.
Beverages, Malt. R. H. Graupner. 306,198, Sept. 12, 1933. Republished Dec. 7.
Beverages, Malt. R. H. Graupner. 310,021, Feb. 6, 1934. Republished Dec. 7.
Porter. G. Krueger Brewing Company. 504,606, Dec. 7; Serial No. 531,489, published Sept. 7, 1948.

CLASS 49

Beverages, Distilled potable alcoholic. Continental Distilling Corporation. 504,548, Dec. 7; Serial No. 526,594, published Sept. 7, 1948.
Beverages, Distilled potable alcoholic. W. A. Haller Corporation. 504,568, Dec. 7; Serial No. 528,791, published Sept. 7, 1948.
Brandies. Courvoisier, Limited. 311,352, Mar. 10, 1934. Republished Dec. 7.
Brandies. Courvoisier, Limited. 314,217, June 19, 1934. Republished Dec. 7.
Brandies. Courvoisier, Limited. 326,293, July 23, 1935. Republished Dec. 7.
Brandy. Bohemian Distributing Company. 389,282, July 29, 1941. Republished Dec. 7.
Brandy, Apple. R. U. Delapenha & Co. Inc. 504,634, Dec. 7; Serial No. 534,607, published Aug. 17, 1948.
Brandy, whiskey, and rum. J. & J. Distributing Company. 504,625, Dec. 7; Serial No. 533,027, published Sept. 7, 1948.
Cognac brandies. Courvoisier, Limited. 308,389, Dec. 5, 1933. Republished Dec. 7.
Cognac, brandy, alcoholic cordials, etc. Labbe Francois and Company. 323,575, Apr. 23, 1935. Republished Dec. 7.
Whiskey. Clear Spring Distilling Co. 504,538, Dec. 7; Serial No. 512,158, published Aug. 31, 1948.
Whiskey. D. M. Distillery Co., S. A. 504,537, Dec. 7; Serial No. 510,493, published Aug. 24, 1948.
Whiskey. Jack Daniel Distillery, Lem Motlow, Prop., Inc. 441,565, Dec. 7; Serial No. 525,557, published Aug. 24, 1948.
Whiskey. Glenmore Distilleries Co. 309,473, Jan. 16, 1934. Republished Dec. 7.
Whiskey. Stirling Bonding Company Limited. 432,352, Sept. 2, 1947. Republished Dec. 7.
Whiskey, gin, rum, etc. Hardwood, Duncan & Company, Ltd. 504,709, Dec. 7; Serial No. 514,472.
Whisky. James Buchanan. 38,774, Aug. 12, 1902. Republished Dec. 7.
Whisky. James Buchanan & Company Limited. 68,310, Mar. 24, 1908. Republished Dec. 7.
Whisky. James Buchanan & Company Limited. 120,069, Jan. 18, 1918. Republished Dec. 7.

CLASS 50

Art porcelain and stoneware figures of humans and animals. Aktieselskabet Bing & Groudahls Porcellaensfabrik (Porcelainfabrikerne Bing & Grondahl og Norden A/S.). 504,530, Dec. 7; Serial No. 498,744, published Aug. 24, 1948.
Caps for bottles and jars, Closure. Owens-Illinois Glass Company. 504,715, Dec. 7; Serial No. 529,922.
Closet accessories. Ben Hur Products, Inc. 393,483, Feb. 17, 1942. Republished Dec. 7.
Mats, Woodlink floor. Hough Shade Corporation. 504,650, Dec. 7; Serial No. 535,963, published Aug. 31, 1948.
Pads or underlinings, Rug and carpet. American Hair & Felt Company. 365,177, Feb. 28, 1939. Republished Dec. 7.
Pads or underlinings, Rug and carpet. American Hair & Felt Company. 391,591, Nov. 18, 1941. Republished Dec. 7.
Pads, Typewriter. American Hair & Felt Company. 363,568, Jan. 3, 1939. Republished Dec. 7.
Poles and stakes, Tent. Chisholm-Ryder Co., Inc. 355,581, Mar. 22, 1938. Republished Dec. 7.
Vegetable fiber in sheet form, Loosely matted or felted adhesively bound. Wood Conversion Company. 504,595, Dec. 7; Serial No. 530,884, published Aug. 24, 1948.
Vulcanized rubber, Slabs and sheets of. Danbury Rubber Company, Inc. 504,626, Dec. 7; Serial No. 533,279, published Aug. 17, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Automatic Electric Laboratories, Inc., assignee: *See*—
Voss, John H.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone exchange system. Re. 23,054, Dec. 7.
Fanelli, Walter, South Euclid, Ohio, and C. A. Laystrom, assignors to Faries Manufacturing Company, Decatur, Ill. Front for bathroom cabinet or similar article. Re. 23,055, Dec. 7.
Faries Manufacturing Company, assignee: *See*—
Fanelli, Walter, and Laystrom.
International Standard Electric Corporation, assignee: *See*—
Deakin, Gerald.
Laystrom, Carl A.: *See*—
Fanelli, Walter, and Laystrom.
Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay automatic telephone system. Re. 23,056, Dec. 7.

LIST OF PLANT PATENTEES

Satterfield, Lawrence, deceased, by L. Satterfield, administratrix, Port Clinton, Ohio. Peach tree. 813, Dec. 7.
Satterfield, Luella, administratrix: *See*—
Satterfield, Lawrence.

LIST OF DESIGN PATENTEES

Acosta, Pablo M., San Gabriel, Calif. Airplane. 151,948, Dec. 7.
Allen, Alan A.: *See*—
Allen, Dorothy B., and Allen.
Allen, Dorothy B. and A. A., Los Angeles, Calif. Combined chest and desk. 151,949, Dec. 7.
American Optical Company, assignee: *See*—
Armbruster, John T.
Anderson, Sidney G., San Francisco, Calif. Accessory kit. 151,950, Dec. 7.
Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Contour projector or the like. 151,951, Dec. 7.
Babcock, George, Chicago, Ill., assignor to Wm. Wrigley Jr. Company. Confection vending machine. 151,952, Dec. 7.
Babcock, George, Chicago, Ill., assignor to Wm. Wrigley Jr. Company. Confection vending machine. 151,953, Dec. 7.
Baldocchi, Archie A., San Francisco, Calif. Jar or similar container. 151,954, Dec. 7.
Barrows, Donald S., Rochester, N. Y. Journal box lid for railway cars. 151,955, Dec. 7.
Baud, Georges, Paris, France. Box for cosmetics or the like. 151,956, Dec. 7.
Bell & Howell Company, assignee: *See*—
Reinecke, Jean O.
Boeringer, Barbara J., Minneapolis, Minn. Protective head covering. 151,957, Dec. 7.
Bogoff, Herman, Chicago, Ill. Necklace or the like. 151,958, Dec. 7.
Bowers, Bailey T., Chicago, Ill. Desk unit. 151,959, Dec. 7.
Brasfield, George A., Berkeley, Calif. Tank vehicle. 151,960, Dec. 7.
Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Bed. 151,961, Dec. 7.
Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Commode. 151,962, Dec. 7.
Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Cabinet. 151,963, Dec. 7.
Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Commode. 151,964, Dec. 7.
Chase Candy Company, assignee: *See*—
Yantis, William A.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Crapsey, Arthur H., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Box camera. 151,965, Dec. 7.
Crot, André, Topanga, assignor to Motion Picture Research Council, Inc., Hollywood, Calif. Camera boom. 151,966, Dec. 7.
Cunningham, Jack B., North Hollywood, Calif. Chair. 151,967, Dec. 7.
Danielson, Carl E., North Sacramento, Calif. Cabinet for shoe shining machines. 151,968, Dec. 7.
Davis, Frances P., Atlanta, Ga. Baby bed. 151,969, Dec. 7.
Donahue, A. J., Corporation, The, assignee: *See*—
Granitto, James V.
Eastman Kodak Company, assignee: *See*—
Crapsey, Arthur H., Jr.
Ellberg, Ernest, assignor to B. F. Mead, Warren, Pa. Semi-trailer. 151,970, Dec. 7.
Ferar, Montgomery: *See*—
Sunberg, Carl W., and Ferar.
Fine, Lewis, assignor to Stuart Inc., St. Paul, Minn. Display case for bottles or the like. 151,971, Dec. 7.
Freimauer, Samuel, and J. Skoloff, Hillside, N. J. Fish type harmonica. 151,972, Dec. 7.
Frettoloso, Lawrence P., Brooklyn, assignor to Udall & Landan Manufacturing Co. Inc., New York, N. Y. Pry-off type container cap removing tool. 151,973, Dec. 7.
Gambardella, Ralph, Warwick, R. I., assignor to Narragansett Machine Company. Bumper engaging member for an automobile jack. 151,974, Dec. 7.
Gelb, Arthur H., Milwaukee, Wis. Duplicating machine. 151,975, Dec. 7.
General Electric Company, assignee: *See*—
Welch, Alanson U., Jr.
Gessler, Harry C., Brooklyn, N. Y., assignor to Medco Products, Inc., North Bergen, N. J. Glass jar. 151,976, Dec. 7.
Gifford, Zilpah C., Oakland, Calif. Combination figurine and beverage set. 151,977, Dec. 7.
Glavies, Mike A., Campbell, Ohio. Garment hanger. 151,978, Dec. 7.
Goshen Manufacturing Company, The, assignee: *See*—
Rink, Robert M.
Gouirand, Rene, New York, N. Y. Carpenter's plane. 151,979, Dec. 7.
Graham, Elizabeth N., New York, N. Y. Combined twin lipstick case and mirror compartment or the like. 151,980, Dec. 7.
Graham, Elizabeth N., New York, N. Y. Combined air travel bag and cosmetic case. 151,981, Dec. 7.
Granitto, James V., assignor to The A. J. Donahue Corporation, Milford, Conn. Tape or similar article. 151,982, Dec. 7.
Grosfeld House, Inc., assignee: *See*—
Buckner, Anthony J.
Guertin, Gabriel C., Boston, Mass. Combination hassock and coffee table. 151,983, Dec. 7.
Guertin, Gabriel C., Boston, Mass. Combination circular hassock and coffee table. 151,984, Dec. 7.
Halls, Simon A., Zumbrota, Minn. Feed carrier. 151,985, Dec. 7.
Hamilton, Bertis F., Columbus, Ind. Waste can. 151,986, Dec. 7.
Hampden Sales Associates, Inc., assignee: *See*—
Leavin, William H.
Hauser, Jon W., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Water heater. 151,987, Dec. 7.
Hayman, Fred J., Forest Hills, N. Y. Dental dispensing unit. 151,988, Dec. 7.
Hirsch, Mahlon E., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Ball point fountain pen. 151,989, Dec. 7.
Hobé, William W., New York, N. Y. Brooch or similar article. 151,990, Dec. 7.

Hobé, William W., New York, N. Y. Brooch or similar article. 151,991, Dec. 7.
Hochbaum, Norman, New York, N. Y. Slip. 151,992, Dec. 7.
Hockery, John C., assignee, trustee: *See*—
Talge, Henry J.
Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Alphabet for forming monograms or similar article. 151,993, Dec. 7.
Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Alphabet for forming monograms or similar article. 151,994, Dec. 7.
International Harvester Company, assignee: *See*—
Koeber, Theodore H.
Jack & Heintz Precision Industries, Inc., assignee: *See*—
Sonnhalter, John E.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Revolving brooch or similar article. 151,995, Dec. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 151,996, Dec. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 151,997, Dec. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 151,998, Dec. 7.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 151,999, Dec. 7.
Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Freezer chest cabinet. 152,000, Dec. 7.
Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Combination refrigerator and cooler cabinet. 152,001, Dec. 7.
Kunz, Althea W., Minneapolis, Minn. Collapsible crib. 152,002, Dec. 7.
Leavin, William H., assignor to Hampden Sales Associates, Inc., New York, N. Y. Lipstick case or similar article. 152,003, Dec. 7.
Lerman, Ben, Chicago, Ill. Clock. 152,004, Dec. 7.
Lewis, Benjamin, New York, N. Y. Bottle. 152,005, Dec. 7.
Lilly, Howard C., Sharon, assignor to Masury-Young Company, Charlestown, Mass. Floor renovator. 152,006, Dec. 7.
Lion Monogram Machine Company, assignee: *See*—
Stadler, James A.
Logan, Hugh H., La Canada, Calif. Casing for shower valve. 152,007, Dec. 7.
Lucas, Stephen J., Chicago, Ill. Utility creeper with illuminator or the like. 152,008, Dec. 7.
Lyons, Verne L., Minneapolis, Minn. Protector for baby's shoe. 152,009, Dec. 7.
Macauley, Edward, Grosse Pointe Farms, assignor to Packard Motor Car Company, Detroit, Mich. Combined automobile grille and bumper assembly or similar article. 152,010, Dec. 7.
Marx, Louis & Company, Inc., assignee: *See*—
Hirsch, Mahlon E.
Masury-Young Company, assignee: *See*—
Lilly, Howard C.
McGoey, Matthew J., Middle Village, N. Y. Combined skate sharpener and chain. 152,011, Dec. 7.
Mead, Benjamin F., assignee: *See*—
Ellberg, Ernest.
Medco Products, Inc., assignee: *See*—
Gessler, Harry C.
Mergott, J. E., Co., The, assignee: *See*—
Sporman, Robert T.
Merrill, Phillip E., and O. R. Titchenal, Santa Monica, Calif. Combined lamp and mirror. 152,012, Dec. 7.
Mildwoff, George H., New York, N. Y. Furniture base or similar article. 152,013, Dec. 7.
Miller, Marshall E., Catasauqua, Pa. Lamp stand. 152,014, Dec. 7.
Moore, Willard C., Dayton, Ohio. Extension oil drain or similar article. 152,015, Dec. 7.
Morrison Knitwear Co., Inc., assignee: *See*—
Rosen, Morris W.
Motion Picture Research Council, Inc., assignee: *See*—
Crot, André.
Narragansett Machine Company, assignee: *See*—
Gambardella, Ralph.
Packard Motor Car Company, assignee: *See*—
Macauley, Edward.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,016, Dec. 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,017, Dec. 7.
Playford, Benjamin F., Cape May, N. J. Stocking. 152,018, Dec. 7.
Rego, David, Fall River, Mass. Book end. 152,019, Dec. 7.
Reichmuth, Stephen A., St. Louis, Mo. Ring or the like. 152,020, Dec. 7.
Reinecke, Jean O., Oak Park, assignor to Bell & Howell Company, Chicago, Ill. Photographic camera. 152,021, Dec. 7.
Revell, Louis A., Los Angeles, Calif. Ash tray. 152,022, Dec. 7.
Rink, Robert M., assignor to The Goshen Manufacturing Company, Goshen, Ind. Lawn seat. 152,023, Dec. 7.
Rollman, Michael A., Landisville, Pa. Support for a sad-iron. 152,024, Dec. 7.
Rosen, Morris W., New York, assignor to Morrison Knitwear Co., Inc., Brooklyn, N. Y. Sweater or similar article. 152,025, Dec. 7.
Schluttig, Pearl L., Kansas City, Mo. Cosmetic container. 152,026, Dec. 7.
Schluttig, Pearl L., Kansas City, Mo. Cosmetic container. 152,027, Dec. 7.
Schwartzman, Elmer J., Baltimore, Md. Christmas tree ornament. 152,028, Dec. 7.
Sears, Roebuck and Co., assignee: *See*—
Hauser, Jon W.
Sherry, Hal G., Pasadena, Calif. Radio cabinet. 152,029, Dec. 7.
Shupack, Irving, Forest Hills, Long Island, N. Y. Writing instrument. 152,030, Dec. 7.
Silson, Victor, New York, N. Y. Brooch or similar article. 152,031, Dec. 7.
Skoloff, Jack: *See*—
Freimauer, Samuel, and Skoloff.
Smith, Dorothy M., Santa Barbara, Calif. Whirling toy. 152,032, Dec. 7.
Smith, Dorothy M., Santa Barbara, Calif. Streamer toy. 152,033, Dec. 7.
Solak, Frank F., Klamath Falls, Oreg. Flower stand. 152,034, Dec. 7.
Sonnhalter, John E., South Euclid, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Ball-bearing separator. 152,035, Dec. 7.
Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Lock for handbags or the like. 152,036, Dec. 7.
Stadler, James A., New Brunswick, N. J., assignor to Lion Monogram Machine Company, San Francisco, Calif. Hot stamping machine. 152,037, Dec. 7.
Stauber, Anton, Chicago, Ill. Coat and hat rack. 152,038, Dec. 7.
Strick, Samuel, New York, N. Y. Combined comb holder and wall cabinet. 152,039, Dec. 7.
Strodel, Francis J., Liverpool, N. Y. Dispenser for canned liquids. 152,040, Dec. 7.
Stuart Inc., assignee: *See*—
Fine, Lewis.
Stupka, John J., and J. Venekamp, Chicago, Ill. Lamp. 152,041, Dec. 7.
Sunberg, Carl W., and M. Ferar, Detroit, Mich., assignors to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric roaster. 152,042, Dec. 7.
Swank, Inc., assignee: *See*—
Howard, Viola T.
Swartzbaugh Manufacturing Company, The, assignee: *See*—
Sunberg, Carl W., and Ferar.
Talge, Foster L.: *See*—
Talge, Henry J.
Talge, Henry J., assignor to J. C. Hockery, Kansas City, Mo., trustee for H. J. and F. L. Talge. Broiler base. 152,043, Dec. 7.
Tiller, Louin, Chicago, Ill. Steam system control unit for return of condensate to boiler. 152,044, Dec. 7.
Titchenal, Oliver R.: *See*—
Merrill, Phillip E., and Titchenal.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Udall & Landan Manufacturing Co. Inc., assignee: *See*—
Frettoloso, Lawrence P.
Venekamp, John: *See*—
Stupka, John J., and Venekamp.
Vibber, John R., Kennewick, Wash. Combination twin walker and stroller for children. 152,045, Dec. 7.
Vickers, Alan B., San Jose, Calif. Beach sandal base. 152,046, Dec. 7.
Volpe, Daniel, New York, N. Y. Cigarette dispenser. 152,047, Dec. 7.
Weiss, Alexander C., Chicago, Ill. Scouring pad holder. 152,048, Dec. 7.
Welch, Alanson U., Jr., West Springfield, Mass., assignor to General Electric Company. Welder. 152,049, Dec. 7.
Wrigley, Wm., Jr. Company, assignee: *See*—
Babcock, George.
Yantis, William A., assignor to Chase Candy Company, St. Joseph, Mo. Showcase. 152,050, Dec. 7.
Zito, Vincent, New York, N. Y. Shirt or similar article. 152,051, Dec. 7.
Zwart, Joseph, Rockville Centre, N. Y. Combination hanging corner toilet tissue cabinet and utility holder. 152,052, Dec. 7.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abiuso, John, New Cumberland, Pa. Airway marker. 2,455,721, Dec. 7.
Adams, Robert R., and H. S. Mosher, State College, Pa., assignors to Parke, Davis, & Company, Detroit, Mich. Organic nitrogen compounds and obtaining same. 2,455,396, Dec. 7.
Adelson, David E., and H. F. Gray, Jr., Berkeley, assignors, to Shell Development Company, San Francisco, Calif. Production of polymeric beta, gamma-olefinic alcohols. 2,455,722, Dec. 7.
Adler, Solomon, Kew Gardens, N. Y. Bobbin winder for sewing machines. 2,455,638, Dec. 7.
Advance Manufacturing, Inc., assignee: *See*—
Kirkpatrick, Henry O.
Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Loughborough, William K.
Alfandre, Harry, Jamaica, N. Y. Strap assembling apparatus. 2,455,545, Dec. 7.
Allen-Bradley Company, assignee: *See*—
Matthias, Lynn H.
Allen, Herman C.: *See*—
Ariente, Peter J., and Allen.
Allied Chemical & Dye Corporation, assignee: *See*—
Wahl, Eugene A.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Cobb, Carroll F., Brill, and Guenther.
Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Krabbe, Ulrik.
American Coach & Body Company, The, assignee: *See*—
Holan, James H., and Troche.
American Cyanamid Company, assignee: *See*—
Lecher, Hans Z., Parker, and Long.
Nagy, Daniel E.
Nagy, Daniel E., and Redmon.
Ness, Walter E.
Redmon, Byran C., and Nagy.
American District Telegraph Company, assignee: *See*—
Lindsay, Maxwell H. A.
American Felt Company, assignee: *See*—
Shrager, Hymen, and Shinberg.
American Potash & Chemical Corporation, assignee: *See*—
May, Frank H.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Williams, Alvin R.
American Type Founders, Incorporated, assignee: *See*—
Hacker, Fred A.
American Viscose Corporation, assignee: *See*—
Stanley, Richard W.
Anaconda Wire and Cable Company, assignee: *See*—
Johnson, Richard A.
Anderer, Theodore A., Philadelphia, and R. W. Tafel, Drexel Hill, Pa. Varilength tandem self-aligning gauge. 2,455,347, Dec. 7.
Anderson, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Ground speed indicator utilizing doppler effect. 2,455,639, Dec. 7.
Anderson, Edward E., Loma Linda, Calif. Individual container sealer. 2,455,461, Dec. 7.
Angel, Henry S.: *See*—
Fuller, Everett W., and Angel.
Anglo-Iranian Oil Company Limited, assignee: *See*—
Fawcett, Eric W. M., Millien, and Mulhern.
Ansbacher, Stefan: *See*—
Fernholz, Erhard, and Ansbacher.
Ansbacher, Stefan, Rockville Centre, N. Y., and E. Fernholz, deceased, Princeton, N. J., by M. B. Fernholz, administratrix, assignors to E. R. Squibb & Sons, New York, N. Y. Medicinal composition for hemorrhagic conditions. 2,455,398, Dec. 7.
Ardron, Gerald L., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Receptacle-movement controlled filling apparatus. 2,455,723, Dec. 7.
Argus, Incorporated, assignee: *See*—
Barstow, Carl A.
Ariente, Peter J., Pawtucket, and H. C. Allen, assignors to Sayles Finishing Plants, Inc., Saylesville, R. I. Rendering textile material water repellent, and the product. 2,455,886, Dec. 7.
Armstrong Cork Company, assignee: *See*—
Baymiller, John W.
Garrett, Richard A.
Ashbaugh, Clair F., Portland, Oreg. Curtain stretcher. 2,455,640, Dec. 7.
Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Two-temperature refrigerating system. 2,455,850, Dec. 7.
Atomic Energy Commission, the United States of America, as represented by the, assignee: *See*—
Lindsay, William S.
Weller, Barton L.
Attorney General of the United States: *See*—
Diterichs, Wladimir.
Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of selectors over communication channels by storage controlled transmitters. 2,455,724, Dec. 7.
Badeau, Carroll A., Westfield, and J. B. Clapp, North Plainfield, assignors to The Thomas & Betts Co., Elizabeth, N. J. Grounding pole plate. 2,455,641, Dec. 7.
Bader, Harry J., and W. C. Daniel, assignors to The Troy Sunshade Company, Troy, Ohio. Window construction. 2,455,462, Dec. 7.
Baer, Samuel I., Youngstown, Ohio. Window sash construction. 2,455,642, Dec. 7.
Bahan, George F., Charlotte, N. C. Bobbin control for battery looms. 2,455,463, Dec. 7.
Bailie, James C.: *See*—
See, Melvin J., and Bailie.
Bakalar, Arthur B., assignor to Shell Development Company, San Francisco, Calif. Condensation products from ketones and aralkyl organic compounds and producing the same. 2,455,643, Dec. 7.
Baker, Lester A., assignee: *See*—
Deakins, Grover C.
Bailey, Eric J. G., Welwyn Garden City, F. M. Page, Newcastle under Lyme, and J. C. McGowan, Muswell Hill, London, England, assignors to Imperial Chemical Industries Limited. Adhesives. 2,455,392, Dec. 7.
Barber, Eugene F., Minneapolis, Minn. Sash hanger. 2,455,546, Dec. 7.
Barnes, Charles H., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Firearm receiver. 2,455,644, Dec. 7.
Barneycastle, Alexander E.: *See*—
Fonville, John L., and Barneycastle.
Baron, Stanley A., assignee: *See*—
Ushakoff, Alexis E.
Barrett, Guy, Bosham, near Chichester, assignor to Wycliffe Foundry & Engineering Company Limited, Lutterworth, Leicestershire, England. Reversing gear. 2,455,547, Dec. 7.
Barridon Oil Burner Corporation, assignee: *See*—
Levine, Gabriel Z.
Barstow, Carl A., Anoka, Minn., assignor, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Making sparking wheels. 2,455,348, Dec. 7.
Bartell, Ernest J., Rome, N. Y. Saw gauge. 2,455,464, Dec. 7.
Barton, Raymond W., assignor to Mead Johnson and Company, Evansville, Ind. Closure. 2,455,645, Dec. 7.
Basic Refractories, Inc., assignee: *See*—
Schoenlaub, Robert A.
Battelle Development Corporation, The, assignee: *See*—
Sherman, Ralph A.
Baymiller, John W., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Making textile units for fiber drafting. 2,455,349, Dec. 7.
Beam, Vilynn O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,455,350, Dec. 7.
Beam, Vilynn O., and J. M. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fire detecting apparatus. 2,455,351, Dec. 7.
Beard, Joseph G., Haddonfield, and R. W. Harralson, Masonville, N. J., and A. Kreithen, Philadelphia, Pa., assignors to Radio Corporation of America. Phase responsive control circuit. 2,455,646, Dec. 7.
Beaven, Leslie W., Chicago, Ill. Engine construction. 2,455,647, Dec. 7.
Beckman, John H., Long, Md. Machine gun ammunition bandoleer. 2,455,352, Dec. 7.
Beerbower, Alan, Westfield, and H. A. Ricards, Jr., Cranford, N. J., assignors to Standard Oil Development Company. Solidified oils and manufacture. 2,455,649, Dec. 7.
Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Improved electrode and envelope structure for electric discharge devices. 2,455,851, Dec. 7.
Bell & Howell Company, The, assignee: *See*—
Howell, Albert S.
Bell, Joseph D., San Francisco, Calif. Exercising machine. 2,455,548, Dec. 7.
Bell, Rupert B., assignor to King-Seeley Corporation, Ann Arbor, Mich. Windshield wiper mechanism. 2,455,725, Dec. 7.

Bell, Stanley T., Washington, D. C. Copy and practice book. 2,455,353, Dec. 7.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bacon, Walter M.
Carter, Herman T.
Curl, Herbert C., and Kleinkauf.
King, Douglas H.
Morton, Jack A., and Speck.
Shann, Oscar A.
Sippel, Theodore E.
West, John W.

Bendix Aviation Corporation, assignee: *See*—
Fant, William J., Jr.
Ulrich, Bernhard, Jr.

Bendix, Gordon H., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Electrolytic stripping and determination of plating metal. 2,455,726, Dec. 7.

Benjamin, Allen, Chicago, Ill. Spring winding machine. 2,455,549, Dec. 7.

Bennett, Wallis R., assignor to The Dow Chemical Company, Midland, Mich. Producing an alkaline detergent. 2,455,648, Dec. 7.

Betts, Mazeppa D.: *See*—
Thomas, Ralph B., and Betts.

Bidwell, Homer T.: *See*—
Wedge, Arthur F., and Bidwell.

Bilbner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Handling apparatus. 2,455,650, Dec. 7.

Bisch, James L., U. S. Army. Mine destroyer. 2,455,354, Dec. 7.

Black, Bruce H., Gary, Ind. Valve reseating tool. 2,455,550, Dec. 7.

Blackhawk Mfg. Co., assignee: *See*—
Trant, William A.

Blumstein, Abraham, Forest Hills, N. Y. Strap-end attaching clasp. 2,455,465, Dec. 7.

Blythen, Roy: *See*—
Cork, Edward C., Bowman-Manifold, Gale, and Blythen.

Boeing Airplane Company, assignee: *See*—
Schairer, George S.

Boenau, Arthur H.: *See*—
Seplshonse, Wallace E., and Boenau.

Booth, Jack J., Dallas, Tex. Drink vending machine. 2,455,551, Dec. 7.

Borders, Bert: *See*—
Marple, Kenneth E., and Borders.

Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia Pa. Preparation of nitriles. 2,455,651, Dec. 7.

Botts, Hugh P., assignor of one-half to L. G. Botts, New York, N. Y. Paper clip. 2,455,399, Dec. 7.

Botts, Lawrence G., assignee: *See*—
Botts, Hugh P.

Bower, Clark D., Lomona, Calif., assignor to Fairbanks, Morse & Co., Chicago, Ill. Turbine pump. 2,455,552, Dec. 7.

Bowman-Manifold, Michael: *See*—
Cork, Edward C., Bowman-Manifold, Gale, and Blythen.

Bralley, James A., Akron, and F. B. Pope, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Nuclear halogenated 4,4'-bis-(alkenyl carbonato) diphenyl alkanes and polymers thereof. 2,455,652, Dec. 7.

Bralley, James A., Akron, and F. B. Pope, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Di-(alkenyl carbonato) aromatic compounds and polymers thereof. 2,455,653, Dec. 7.

Brammer, Harry, Leeds, England. Laminated driving belt. 2,455,400, Dec. 7.

Braude, Jack J., assignor to Evco, Inc., Los Angeles, Calif. Toy steering wheel. 2,455,887, Dec. 7.

Brause, Philip R., Casper, Wyo. Refrigerating unit for vehicles. 2,455,401, Dec. 7.

Bremner, John G. M.: *See*—
Jones, David G., and Bremner.

Breuer Electric Mfg. Company, assignee: *See*—
Lanter, Clarence W.

Brill, Edward F.: *See*—
Cobb, Carroll F., Brill, and Guenther.

Briscoe, James W., Los Angeles, Calif. Block molding machine. 2,455,353, Dec. 7.

Bromley, William H., Jr., Agawam, assignor to Shawinigan Resins Corporation, Springfield, Mass. Preparing aqueous dispersions of polyvinyl butyral. 2,455,402, Dec. 7.

Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Antenna. 2,455,403, Dec. 7.

Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Antenna. 2,455,888, Dec. 7.

Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electrodeposition of copper. 2,455,554, Dec. 7.

Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electrodeposition of nickel from an acid bath. 2,455,555, Dec. 7.

Brown, William H. and W. S., Bedford, Ohio. Christmas tree holder. 2,455,404, Dec. 7.

Brown, William S.: *See*—
Brown, William H. and W. S.

Browne, Kenneth A., Lakewood, Ohio, assignor to Wright Aeronautical Corporation. Multiple thermocouple arrangements. 2,455,654, Dec. 7.

Brubaker, George P., Los Angeles, Calif., assignor, by mesne assignments, to Dictophone Corporation, New York, N. Y. Combination phonograph recording and reproducing mechanism. 2,455,466, Dec. 7.

Bryson, Dorothy S. T.: *See*—
Levy, Norman S., and Bryson.

Bunting, Ernest V., assignor to Harry Ferguson, Inc., Dearborn, Mich. Implement control means for tractor mounted agricultural implements. 2,455,727, Dec. 7.

Burby, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method for use in lasting shoes. 2,455,467, Dec. 7.

Burch, Julius G., Borger, Tex. Well treating apparatus. 2,455,556, Dec. 7.

Burner, Bingham F., Arlington, Va. Rod clamp tool. 2,455,557, Dec. 7.

Burrows, Lawton A., Mendenhall, Pa., and M. F. Fuller, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of monochloracetic acid. 2,455,405, Dec. 7.

Burton, Thomas F., Brentwood, Mo. Elastic band projector and cap exploder. 2,455,558, Dec. 7.

Bushby, David, assignor to Vacuum Air Pressure Company Limited, Regina, Saskatchewan, Canada. Piston, expander. 2,455,728, Dec. 7.

Byers, Lawrence, Homeworth, Ohio. Sack holder. 2,455,729, Dec. 7.

Cade, Phillip J., Sharon, assignor to Photoswitch, Incorporated, Cambridge, Mass. Electronic timing device. 2,455,468, Dec. 7.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Sulfonated aromatic derivatives. 2,455,730, Dec. 7.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester N. Y. Resinous condensates of β-propionolactone and polyhydroxy compounds. 2,455,731, Dec. 7.

Calpat Corporation, The, assignee: *See*—
Harris, Ford W.

Campbell, Josephine H., Jackson, Mich. Underwear supported suspender. 2,455,852, Dec. 7.

Carlson, Oscar, Spokane, Wash. Saw blade and handle. 2,455,853, Dec. 7.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Dailey, William H., Jr.
Wilson, Philip J., Jr., Wells, and Liebel.

Carroll, Gay V., Houston, Tex. Bone saw. 2,455,655, Dec. 7.

Carter, Herman T., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Double balanced modulator. 2,455,732, Dec. 7.

Case, J. I., Company, assignee: *See*—
Clausen, Leon R.

Caspar, Frank A., assignor to Pak Parachute Company Limited, Tiverton, England. Meterological balloon. 2,455,469, Dec. 7.

Cass, William E.: *See*—
Norlander, Birger W., and Cass.

Castedello, William: *See*—
Schwartz, Morris, and Castedello.

Cauley, Stephen P., Garden City, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Production of commercially pure mercaptans and disulfides. 2,455,656, Dec. 7.

Celanese Corporation of America, assignee: *See*—
Fonville, John L., and Barneycastle.

Chadwick, Earl L., Portland, Oreg. Stove pipe fastener. 2,455,406, Dec. 7.

Chance, A. B., Company, assignee: *See*—
Hubbard, David C.

Chemical Developments Corporation, assignee: *See*—
Luaces, Enrique L.

Chicago Coin Machine Co., assignee: *See*—
Ellenberger, Stanley D.

Chicago Pneumatic Tool Company, assignee: *See*—
Fischer, Howard R.
Fischer, Howard R., and Stevens.

Christmann, John L., Passaic, N. J. Variable-speed transmission. 2,455,407, Dec. 7.

Christoffer, Donald F., Spirit Lake, Iowa. Tool handle wedge. 2,455,733, Dec. 7.

Chrysler Corporation, assignee: *See*—
Woolson, Harry T.

Clapp, Jerome B.: *See*—
Badeau, Carroll A., and Clapp.

Clark, Edward H., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Apparatus for pressing footwear as it is conveyed. 2,455,559, Dec. 7.

Clausen, Leon R., assignor to J. I. Case Company, Racine, Wis. Radiator shield. 2,455,734, Dec. 7.

Cleveland Pneumatic Tool Company, The, assignee: *See*—
Hoffar, Henry S.

Cobb, Carroll F., Silverton, Ohio, E. F. Brill, Milwaukee, Wis., and J. R. Guenther, Chicago, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arranging and brazing superposed commutator leads. 2,455,560, Dec. 7.

Cockrell, William D., Schenectady, N. Y. Calculating and aerial navigation instrument. 2,455,902, Dec. 7.

Collison, William J., Costa Mesa, Calif. Soil pipe reducer. 2,455,470, Dec. 7.

Colt's Manufacturing Company, assignee: *See*—
Wedge, Arthur F., and Bidwell.

Combs, Edward E., Long Branch, N. J. Making spherical coils for variometers. 2,455,355, Dec. 7.

Combustion Control Corporation, assignee: *See*—
Thomson, E. Craig.

Condax, Louis M., assignor to Eastman Kodak Company, Rochester, N. Y. Registration of color separation images. 2,455,735, Dec. 7.

Condé, George E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Strippable coating composition comprising a polychloroprene and aluminum powder. 2,455,854, Dec. 7.

Conley, Clarence, Adamsville, Tex. Well cylinder valve puller. 2,455,736, Dec. 7.

Continental Can Company, Inc., assignee: *See*—
Ardron, Gerald L.
Bendix, Gordon H.
Coyle, John.
Dodge, Thomas C.
Henchert, John.
Hermani, Louis.
Johnson, Scott R., and Mero.
Keogh, Thomas P.
Larson, Ralph A.
Pfeffer, Edward C., Jr.
Seigh, Joseph W.
Thanem, Oswald I.
Treff, Alfred.

Control Instrument Company, Inc., assignee: *See*—
Lang, Walter T.

Copeman Laboratories Company, assignee: *See*—
Jennings, Harley Y.

Cork, Edward C., and M. Bowman-Manifold, Ealing, London, F. H. Gale, Hillingdon, and R. Blythen, Norwood Green, assignors to Electric & Musical Industries Limited, Hayes, England. Circuit arrangement for mixing oscillations. 2,455,657, Dec. 7.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Attaching metal closures to containers. 2,455,737, Dec. 7.

Crane, Webster O., assignor to Operadio Manufacturing Co., St. Charles, Ill. Electrical apparatus for loud speaker systems. 2,455,471, Dec. 7.

Crede, Charles E., Alexandria, Va. Shock gauge. 2,455,356, Dec. 7.

Creelman, George D., Cleveland Heights, Ohio, assignor to The M. W. Kellogg Company, New York, N. Y. Reducing disengaging height in fluidized powder systems. 2,455,561, Dec. 7.

Crise, George W., Columbus, Ohio. Electrostatic air filter and circulator. 2,455,738, Dec. 7.

Crompton & Knowles Loom Works, assignee: *See*—
Kronoff, Clarence R., and Sepavich.

Crosby, Edward, assignee: *See*—
Schultz, Anthony J.

Crowther, David, Minneapolis, Minn. Device for repointing twist drills. 2,455,562, Dec. 7.

Curl, Herbert C., Jackson Heights, N. Y., and J. D. Kleinkauf, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and system for electronically generating complex signals. 2,455,472, Dec. 7.

Current, Ira B.: *See*—
Dearing, Le Roy M., and Current.

Curtis, Edna H., Cincinnati, assignor to The Nivison-Weiskopf Company, Reading, Ohio. Collapsible storage cabinet. 2,455,739, Dec. 7.

Curtis, Leslie F., Haydenville, Mass., assignor to Hazeltine Research, Inc., Chicago, Ill. Magnetostrictive time-delay device. 2,455,740, Dec. 7.

Curtiss-Wright Corporation, assignee: *See*—
Engelhardt, Lloyd F.
Houser, Herbert C.
Newman, Albert J.
Statham, Louis D.

Cutler-Hammer, Inc., assignee: *See*—
Hunter, Richard B.

Dague, Silas R., Wichita, Kans. Typewriter carriage retractor device. 2,455,563, Dec. 7.

Dailey, William H., Jr., Library, Pa., assignor to Carnegie-Illinois Steel Corporation. Spot welding apparatus. 2,455,564, Dec. 7.

Daniel, Walter C.: *See*—
Bader, Harry J., and Daniel.

Daniels, Henry L., Kell, Ill. Portable projector table. 2,455,408, Dec. 7.

Danco Products, Inc., assignee: *See*—
Hadley, Harold F.

Darkins, Samuel P.: *See*—
Wilson, George V., and Darkins.

Davis, Robert F., Hibbing, Minn. Vertical axis cone and shell mill. 2,455,565, Dec. 7.

Davison Chemical Corporation, The, assignee: *See*—
Hartlove, Leslie T.
Weir, Horace M.

Deakins, Grover C., Orange, assignor of one-half to L. A. Baker, Anaheim, Calif. Apparatus for forming irrigation mounds. 2,455,566, Dec. 7.

Dearing, Le Roy M., and I. B. Current, U. S. Navy. Apparatus for processing film. 2,455,357, Dec. 7.

De Armond, Harry, assignor to Rowe Industries, Toledo, Ohio. Microphone pickup and volume control. 2,455,567, Dec. 7.

Dederick, Clinton H., Brentwood, assignor to The Emerson Electric Mfg. Company, St. Louis, Mo. Remote control for displaceable objects. 2,455,568, Dec. 7.

Dely, Josef G., Queens Village, N. Y. Regenerating spent ammoniacal cuprous solution. 2,455,473, Dec. 7.

Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Quick attach strap. 2,455,889, Dec. 7.

Dickey, Frank H., Pasadena, assignor to Shell Development Company, San Francisco, Calif. Reaction products of tertiary organic hydroperoxides with aldehydes or ketones. 2,455,569, Dec. 7.

Dickey, George D., assignor of one-half to H. M. Hunter, New York, N. Y. Rotary filter. 2,455,409, Dec. 7.

Dictaphone Corporation, assignee: *See*—
Brubaker, George P.

Distillation Products, Inc., assignee: *See*—
Nagel, Gerhard R., and Johnson.

Ditterichs, Wladimir, Paris, France; vested in the Attorney General of the United States. Manufacture of synthetic mineral products. 2,455,358, Dec. 7.

Dodge, Thomas C., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Automatic can distributor. 2,455,741, Dec. 7.

Dole Refrigerating Company, assignee: *See*—
Kleist, Herman W.

Donaldson, James E., Columbus, Ohio. Holder. 2,455,857, Dec. 7.

Donovan, John T.: *See*—
Swalinkavich, Joseph E., Jr., and Donovan.

Dons, Eddie M., Tulsa, and J. V. Stevens, Oakhurst, Okla. Pipe coupling. 2,455,658, Dec. 7.

Dorlan, Rudolph P., Wichita Falls, Tex. Pipe grinder. 2,455,742, Dec. 7.

Douglas Aircraft Company, Inc., assignee: *See*—
Rechton, George D., and Ward, and Watson.

Dow Chemical Company, The, assignee: *See*—
Bennett, Wallis R.
Havens, Carl B.

Droeger, Carl C., Greenfield, Ind. Chimney construction. 2,455,570, Dec. 7.

Drott, Edward A., and J. H. Kerber, assignors to Hi-Way Service Corporation, Milwaukee, Wis. Excavator. 2,455,474, Dec. 7.

Duncan, Gordon W., Westfield, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Oily composition. 2,455,659, Dec. 7.

Dunlop, Donald E., San Pedro, Calif. Coffee percolator. 2,455,660, Dec. 7.

Du Pont, E. I, de Nemours & Company, assignee: *See*—
Burrows, Lawton A., and Fuller.
Condé, George E.
Matsen, Morris, and Jones.
Murphy, Clyde G., and Sermattei.
Salisbury, Leroy F.

Du Pont, Francis G., Utica, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Target throwing device. 2,455,661, Dec. 7.

Dyer, Charles W., Stratton, Maine. Milling attachment for lathes. 2,455,662, Dec. 7.

East Coast Ship Yards, assignee: *See*—
Tenety, Vincent J.

Eastman Kodak Company, assignee: *See*—
Caldwell, John R.
Condax, Louis M.
Fitch, Harold L.
Harrison, Henry.
Kenyon, William C., and Unruh.
Luboshez, Benjamin E.
Reiss, Max.
Yule, John A. C.

Eaton, John, Cheltenham, assignor, to S. C. Icke, Solihull, England. Chuck. 2,455,663, Dec. 7.

Edwards, Herbert C., Massillon, assignor, to The Timken Roller Bearing Company, Canton, Ohio. Fuel injection pump. 2,455,571, Dec. 7.

Ellenberger, Stanley D., Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co. Ultrasonic pulse signaling. 2,455,475, Dec. 7.

Ellerman, George E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company. Water dispersible coating vehicle. 2,455,743, Dec. 7.

Electric & Musical Industries Limited, assignee: *See*—
Cork, Edward C., Bowman-Manifold, Gale, and Blythen.

Electric Steel Foundry, assignee: *See*—
McGee, James D.
Haun, Joye C., and Simpson.

Elliott, Harry D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for applying tape to shoe parts. 2,455,359, Dec. 7.

Emerson Electric Mfg. Company, The, assignee: *See*—
Dederick, Clinton H.

Emerson, Walter H., East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va. Cup finishing apparatus. 2,455,744, Dec. 7.

Engelhardt, Lloyd F., Ferguson, Mo., assignor to Curtiss-Wright Corporation. Cowl flap operating mechanism. 2,455,858, Dec. 7.

Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Mounting system for elements of television projectors. 2,455,476, Dec. 7.

Erickson, Edwin R., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Stabilization of styrene and polymerizable ring chlorinated styrenes. 2,455,745, Dec. 7.

Erickson, Edwin R., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Stabilization of vinyl aromatic compounds. 2,455,746, Dec. 7.

Eulhardt, Edward C.: *See*—
Jones, Minor C. K., and Eulhardt.
Evans, Earl R., Urbana, Ill. Grain blender. 2,455,572, Dec. 7.
Evco, Inc., assignee: *See*—
Braude, Jack J.
Even-Pul Foundations, Inc., assignee: *See*—
Lo Cascio, Jack J.
Fairbanks, Morse & Co., assignee: *See*—
Bower, Clark D.
Fairchild Engine and Airplane Corporation, assignee: *See*—
Whitfield, Marshall G., and Sheshunoff.
Fant, William J., Jr., assignor to Bendix Aviation Corporation, South Bend, Ind. Signal mechanism. 2,455,573, Dec. 7.
Farina, Julius, assignor to Princes Shoe Company, Keene, N. H. Shoe last and support. 2,455,360, Dec. 7.
Farnsworth Research Corporation, assignee: *See*—
Sanders, Robert W.
Farrar, Charles E., Sidon, Ark. Electric branding iron. 2,455,410, Dec. 7.
Fawcett, Eric W. M., A. Millien, and N. Mulhern, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Polystyrene-mineral oil extract plastic composition. 2,455,890, Dec. 7.
Feldman, Harry A., New York, N. Y. Attachment for violins and analogous instruments. 2,455,574, Dec. 7.
Fender, Clarence L., and C. O. Kauffman, Fullerton, Calif. Pickup unit for stringed instruments. 2,455,575, Dec. 7.
Ferguson, Harry, Inc., assignee: *See*—
Bunting, Ernest V.
Ferguson, William H., Malden, and J. W. Geddes, Boston, assignors to H. K. Porter, Inc., Everett, Mass. Strut terminal for metal-bending jacks. 2,455,664, Dec. 7.
Fernholz, Erhard: *See*—
Ansbacher, Stefan, and Fernholz.
Fernholz, Erhard, Princeton, and S. Ansbacher, Highland Park, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Vitamin k-active compositions. 2,455,397, Dec. 7.
Fernholz, Mary B., administratrix: *See*—
Ansbacher, Stefan, and Fernholz.
Finnern, John J.: *See*—
Ushakoff, Alexis E.
Fiorentino, Vitantonio, Long Island City, N. Y. Curtain and drape mounting. 2,455,576, Dec. 7.
Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Dimpling mandrel. 2,455,903, Dec. 7.
Fischer, Howard R., and E. W. Stevens, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Valve control for fluid levels in hydraulic power plants. 2,455,747, Dec. 7.
Fitch, Harold L., assignor to Eastman Kodak Company, Rochester, N. Y. Position indicator device for film strip. 2,455,748, Dec 7.
Flanagan, John E., Chicago, Ill., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Shockproof mounting. 2,455,891, Dec. 7.
Flexibox Limited, assignee: *See*—
Porges, Frederick B.
Foley, Frederic E. B., St. Paul, Minn. Artificial sphincter and method. 2,455,859, Dec. 7.
Fonville, John L., and A. E. Barneycastle, Burlington, N. C., assignors to Celanese Corporation of America. Feed plate. 2,455,412, Dec. 7.
Fonyo, Aladar, La Grange, assignor to Wm. J. Stange Co., Chicago, Ill. Condiment. 2,455,749, Dec. 7.
Ford, William C.: *See*—
Vinciguerra, Joseph F., and Ford.
Ford, William W., and F. D. Thiel, Baton Rouge, La., assignors to Standard Oil Development Company. Low-temperature polymerization process. 2,455,665, Dec. 7.
Fournier, John L., Los Gatos, Calif. Transforming volcanic rock. 2,455,666, Dec. 7.
Fram Corporation, assignee: *See*—
Hicks, Richard V.
Franchi, Francisco A. R., Villa Christa, La Rosiaz, near Lausanne, Switzerland. Treatment of iron in order to obtain a clean metallic surface. 2,455,411, Dec. 7.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Coupling for high-pressure tubing. 2,455,667, Dec. 7.
Franklin Transformer Manufacturing Company, assignee: *See*—
Williams, Alan C.
Fraser, Harold M., assignor to International Lubricant Corporation, New Orleans, La. Lubricating greases and making the same. 2,455,892, Dec. 7.
Freed, Edward A., Moline, Ill. Scrap separator for materials conveyer. 2,455,750, Dec. 7.
Frez-O-Mat Corporation, assignee: *See*—
Rifkin, Milton.
Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Ultraviolet emitting magnesium pyrophosphate phosphor. 2,455,415, Dec. 7.
Froelich, Herman C., and J. M. Margolis, Cleveland Heights, Ohio, assignors to General Electric Company. Calcium phosphate phosphor. 2,455,413, Dec. 7.
Froelich, Herman C., and J. M. Margolis, Cleveland Heights, Ohio, assignors to General Electric Company. Aluminum phosphate phosphor. 2,455,414, Dec. 7.
Fuller, Alfred J.: *See*—
Potter, William W., and Fuller.
Fuller, Everett W., and H. S. Angel, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,455,668, Dec. 7.
Fuller, Mack F.: *See*—
Burrows, Lawton A., and Fuller.
Gagnebin, Albert P., Red Bank, N. J., L. L. Seigle, Philadelphia, Pa., and J. S. Vanick, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Alloys for making cast iron. 2,455,751, Dec. 7.
Gagnier, George E., Detroit, Mich. Self-supporting resilient article. 2,455,669, Dec. 7.
Gale, Frederick H.: *See*—
Cork, Edward C., Bowman-Manifold, Gale, and Blythen.
Garand, John C., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Grenade launcher. 2,455,361, Dec. 7.
Garner, Russell F.: *See*—
Weber, Victor, and Garner.
Garrett, Richard A., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Making textile fiber drafting aprons. 2,455,362, Dec. 7.
Geddes, John W.: *See*—
Ferguson, William H., and Geddes.
Geh, Ernest, Rocky River, Ohio. Bottle opener. 2,455,752, Dec. 7.
General Electric Company, assignee: *See*—
Atchinson Leonard W.
Beggs, James E.
Froelich, Herman C.
Froelich, Herman C., and Margolis.
Hanna, Max R.
Koch, Arthur R.
Maul, John A., and Lautzenheiser.
Norlander, Birger W., and Cass.
Peterson, Eric O., Wright, and Heaton.
Safford, Moyer M.
Safford, Moyer M., and Mincher.
General Electric Company Limited, The, assignee: *See*—
Ransley, Charles E., and Williams.
General Motors Corporation, assignee: *See*—
Watt, Andrew K., and Hays.
Gerbing, Willard E., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Tube capping machine. 2,455,860, Dec. 7.
Gerson, Morris, Newark, N. J., assignor to Henry L. Kotkins, Seattle, Wash. Reinforced luggage. 2,455,861, Dec. 7.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Thermal circuit breaker. 2,455,753, Dec. 7.
Girard, Wilfrid J., San Francisco, Calif. Knife sharpening kit. 2,455,477, Dec. 7.
Glover, Bill, Incorporated, assignee: *See*—
Glover, William C., Jr.
Glover, William C., Jr., Lee's Summit, Mo., assignor to Bill Glover Incorporated. Device for tempering steam. 2,455,754, Dec. 7.
Glover, William C., Jr., Kansas City, Mo., assignor to Bill Glover Incorporated. Steam vacuum finisher. 2,455,755, Dec. 7.
Glover, William C., Jr., Kansas City, Mo., assignor to Bill Glover Incorporated. Mechanism for supplying steam and heated air to spotting machines. 2,455,756, Dec. 7.
Goldberg, Richard O., assignor to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Continuous strip slot insulation. 2,455,862, Dec. 7.
Goodrich, B. F., Company, The, assignee: *See*—
Bralley, James A., and Pope.
Niessen, Paul F.
Olson, Frederick F.
Reuter, Louis F.
Grant, Watson R., Elgin, Ill. Combined coat hanger and necktie rack. 2,455,478, Dec. 7.
Graves, Francis M., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Deodorizing petroleum oils and waxes. 2,455,670, Dec. 7.
Gray, Harold F., Jr.: *See*—
Adelson, David E., and Gray.
Graybeal, Ella S., Great Falls, Mont. Device for administering anaesthetics. 2,455,757, Dec. 7.
Green, Arthur D., Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Manufacture of high molecular weight polymers. 2,455,671, Dec. 7.
Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Correction device for electronic function generators. 2,455,672, Dec. 7.
Gregor, Herbert H., Washington, D. C. Preparing a mineral binder. 2,455,758, Dec. 7.
Gregory, John J., Creighton, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Manufacturing synthetic bristles for brushes. 2,455,759, Dec. 7.
Grover, Elliott E.: *See*—
Kruck, Ralph E., and Grover.
Guard-It Manufacturing Co., assignee: *See*—
Malme, Elmer K.
Guass, Eugene S., assignee: *See*—
Kenyon, Sidney C.
Guass, Lawrence A., assignee: *See*—
Keyon, Sidney C.

Gudheim, Arne, Winchester, assignor to Lever Brothers Company, Cambridge, Mass. Making shortening. 2,455,363, Dec. 7.
Guenther, John R.: *See*—
Cobb, Carroll F., Brill, and Guenther.
Gustafson, Gustaf, Yakima, Wash. Hose clamp. 2,455,760, Dec. 7.
Haberfeld, Paul, Portland, Oreg., assignor to Jantzer Knitting Mills. Ski pants. 2,455,479, Dec. 7.
Hacker, Fred A., Cranford, assignor, by mesne assignments, to American Type Founders, Incorporated, Elizabeth, N. J. Printing plate whirler. 2,455,761, Dec. 7.
Hadley, Harold F., Defiance, Ohio, assignor to Dapco Products, Inc. Diaphragm pump. 2,455,480, Dec. 7.
Hager, Emil F., Queens Village, N. Y. Center punch. 2,455,577, Dec. 7.
Hall, Oil R., Wichita Falls, Tex. Pipe grinder. 2,455,762, Dec. 7.
Haller, Pearl M., Bay City, Mich. Outboard motor clamp. 2,455,578, Dec. 7.
Halvorsen, Elmer W., Worcester, Mass., assignor to The Torrington Manufacturing Company, Torrington, Conn. Spring coiling machine embodying a change speed mechanism. 2,455,863, Dec. 7.
Hanna, Max R., Erie, Pa., assignor to General Electric Company. Manufacture of plural circuit connecting members. 2,455,864, Dec. 7.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Distance selective system. 2,455,673, Dec. 7.
Happley, Joseph P., assignee: *See*—
Meyer, Arthur W.
Harbanoff, Joseph W., New York, N. Y. Device for slicing eggs into layers. 2,455,416, Dec. 7.
Harralson, Robert W.: *See*—
Beard, Joseph G., Harralson, and Kreithen.
Harris, Ford W., assignor, by mesne assignments, to The Calpar Corporation, Los Angeles, Calif. Reverse gear. 2,455,481, Dec. 7.
Harrison, Henry, assignor to Eastman Kodak Company, Rochester, N. Y. Interferometric light valve. 2,455,763, Dec. 7.
Harry, Geoffrey M., Oak Park, Ill. Variable-speed transmission. 2,455,483, Dec. 7.
Hart, Fred V., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Leveling machine. 2,455,482, Dec. 7.
Hartlove, Leslie T., assignor to The Davison Chemical Corporation, Baltimore, Md. Gel manufacture. 2,455,764, Dec. 7.
Harvey, James W., Lakeville, Conn. Fish net hanger. 2,455,765, Dec. 7.
Harvey, James W., Lakeville, Conn. Fish carrier. 2,455,766, Dec. 7.
Hauer, Frank J., Dayton, Ohio. Carbon set form. 2,455,484, Dec. 7.
Haun, Joye C., San Francisco, Calif., and R. Simpson, assignors to Electric Steel Foundry, Portland, Oreg. Austenitic stainless steel. 2,455,485, Dec. 7.
Havens, Carl B., Hope, assignor to The Dow Chemical Company, Midland, Mich. Light stable compositions comprising polymeric vinylidene chloride and 2-hydroxy-5-chloro-benzophenone-2'-carboxylic acid. 2,455,674, Dec. 7.
Hawk, Zoid G., Findlay, Ohio. Machine for handling and preparing oysters. 2,455,675, Dec. 7.
Hays, Albert B.: *See*—
Watt, Andrew K., and Hays.
Hays, Robert F., Jr., Syosset, N. Y., assignor to The Sperry Corporation. Selsyn-controlled servo system. 2,455,364, Dec. 7.
Hazeltine Research, Inc., assignee: *See*—
Curtis, Leslie F.
Heaton, Henry T.: *See*—
Peterson, Eric O., Wright, and Heaton.
Heiligman, Harold A.: *See*—
Tauber, John A., and Heiligman.
Helmold, J. F., & Bro., Inc., assignee: *See*—
Wagner, Frank.
Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Sput connection. 2,455,767, Dec. 7.
Henderson, Lloyd F.: *See*—
Libby, Louis H., and Henderson.
Hensel, Otto F., Hustisford, Wis. Apparatus for treating cheese. 2,455,579, Dec. 7.
Herman, Richard H., Massillon, Ohio. Automatic beading and trimming machine. 2,455,768, Dec. 7.
Hermani, Louis, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Dispensing container. 2,455,769, Dec. 7.
Hermani, Louis, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Powder dispensing container. 2,455,770, Dec. 7.
Hewitt, Ivan N., Medicine Lodge, Kans. Axially shifting type, pedestal mounted, tire removing machine. 2,455,580, Dec. 7.
Hiatt, Gordon D.: *See*—
Malm, Carl J., and Hiatt.
Hicks, Richard V., East Providence, R. I., assignor to Fram Corporation. Liquid filtration. 2,455,486, Dec. 7.
Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Electron lens correction device. 2,455,676, Dec. 7.
Hitchens, Richard M., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized cellulose ester compositions. 2,455,581, Dec. 7.
Hi-Way Service Corporation, assignee: *See*—
Drott, Edward A., and Kerber.
Hoessel, Carl L., Wauwatosa, Wis. Safety electric wall plate. 2,455,582, Dec. 7.
Hoffar, Henry S., near Sidney, British Columbia, Canada, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Antifriction screw and nut bearing mechanism. 2,455,368, Dec. 7.
Hoffar, Henry S., Vancouver, British Columbia, Canada, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Antifriction worm gearing. 2,455,487, Dec. 7.
Holan, James H., Rocky River, and H. J. Troche, Cleveland Heights, assignors to The American Coach & Body Company, Cleveland, Ohio. Vehicle body tool compartment construction. 2,455,417, Dec. 7.
Holcombe, Mack H., Scottdale, Ga. Loom bumper. 2,455,418, Dec. 7.
Holman, James W., Tulsa, Okla. Door check. 2,455,488, Dec. 7.
Holst, Paul F. G., and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Centering means for cathode-ray deflecting circuits. 2,455,771, Dec. 7.
Homer Laughlin China Company, The, assignee: *See*—
Emerson, Walter H.
Horeczy, Joseph T., Cedar Bayou, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preparation of vinyl acetylenes. 2,455,677, Dec. 7.
Houser, Herbert C., St. Louis, Mo., assignor to Curtiss-Wright Corporation. Measuring instrument having an adjustable scale. 2,455,865, Dec. 7.
Howell, Albert S., Culver, Ind., assignor to The Bell & Howell Company, Chicago, Ill. Bearing. 2,455,489, Dec. 7.
Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Tool for applying armor rods to energized conductors. 2,455,490, Dec. 7.
Hunter, Henry M., assignee: *See*—
Dickey, George D.
Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control of alternating current motors. 2,455,491, Dec. 7.
Hydraulic Development Corporation, The, assignee: *See*—
Waldie, George A.
Ilford Limited, assignee: *See*—
Kendall, John D., Suggate, and Wood.
Imperial Brass Manufacturing Company, The, assignee: *See*—
Franck, George E.
Imperial Chemical Industries Limited, assignee: *See*—
Balley, Eric J. G., Page, and McGowan.
Jones, David G., and Bremner.
Levy, Norman, Scalfe, and Bryson.
International Lubricant Corporation, assignee: *See*—
Fraser, Harold M.
International Nickel Company, Inc., The, assignee: *See*—
Gagnebin, Albert P., Seigle, and Vanick.
Ireson, Paul T., East Detroit, Mich. Combined smoking pipe and lighter. 2,455,583, Dec. 7.
Iske, Stanley C., assignee: *See*—
Eaton, John.
Jackle, John, Gratiot Township, Wayne County, Mich. Locking device for gates. 2,455,772, Dec. 7.
Jackson, William L., Greenville, S. C. Cigarette holder. 2,455,492, Dec. 7.
Jacobs, Harold, Clayton, Mo. Exhaust manifold. 2,455,493, Dec. 7.
Jamison, Charles R., Morgantown, W. Va. Control for airplanes. 2,455,584, Dec. 7.
Janes, A. Leslie, Jr., assignee: *See*—
Smith, Putnam M.
Jantzen Knitting Mills, assignee: *See*—
Haberfeld, Paul.
Jasco, Incorporated, assignee: *See*—
Green, Arthur D.
Jaynes, Hal B., Lenoir, N. C. Electrically operated generator. 2,455,494, Dec. 7.
Jellum, Kristen, Spooner, Wis. Casting reel. 2,455,495, Dec. 7.
Jenner, Myron S., New York, N. Y. Flash synchronizer for cameras with curtain shutters. 2,455,365, Dec. 7.
Jennings, Harley Y., Clio, assignor to Copeman Laboratories Company, Flint, Mich. Ice tray and slip surface flexible grid. 2,455,366, Dec. 7.
Jennings, Irving C., South Norwalk, Conn. Power transmission. 2,455,678, Dec. 7.
Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Synthesis of hydrocarbons and regeneration of synthesis catalyst. 2,455,419, Dec. 7.
Johnson, Merriam E.: *See*—
Nagel, Gerhard R., and Johnson.
Johnson, Richard A., Marion, Ind., assignor to Anaconda Wire and Cable Company. Electric cable. 2,455,773, Dec. 7.
Johnson, Scott R., and R. M. Mero, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Water jacketed and ventilated horse. 2,455,774, Dec. 7.
Johnston, Ralph J., and A. R. Novotney, Pontiac, Mich. Internal-combustion engine. 2,455,775, Dec. 7.

Jones, David G., and J. G. M. Bremner, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Halogenated pyran compounds and production thereof. 2,455,776, Dec. 7.

Jones, Earl R.: *See*—
Matsen, Morris, and Jones.

Jones, James R., Jenkintown, Pa., assignor to Paulsboro Manufacturing Company. Floor covering. 2,455,777, Dec. 7.

Jones, Minor C. K., Mountainside, and E. C. Eulhardt, Union, N. J., assignors to Standard Oil Development Company. Distillation of acid-treated oils. 2,455,679, Dec. 7.

Juice Industries, Inc., assignee: *See*—
Nelson, Richard C.

Kalart Company, Inc., The, assignee: *See*—
Schwartz, Morris, and Castedello.

Kaman Aircraft Corporation, The, assignee: *See*—
Kaman, Charles H.

Kaman, Charles H., assignor to The Kaman Aircraft Corporation, West Hartford, Conn. Aircraft of rotary wing type. 2,455,866, Dec. 7.

Kantor, James, and E. F. Rosenberg, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Preparing carbonated beverages. 2,455,681, Dec. 7.

Kaplan, Nathan, Freehold, N. J. Buffing wheel. 2,455,680, Dec. 7.

Kardorff, Leon: *See*—
Yardeny, Michel N., and Kardorff.

Kaskouras, Thomas, Chicago, Ill. Can and bottle opener. 2,455,496, Dec. 7.

Kauffman, Claytor O.: *See*—
Fender, Clarence L., and Kauffman.

Kawneer Company, The, assignee: *See*—
Miller, James T.

Keith, Kenneth M.: *See*—
Romming, Martin, and Keith.

Kelco Company, assignee: *See*—
Steiner, Arnold B.

Kellogg, W. M., Company, The, assignee: *See*—
Credman, George D.

Kelly, Joseph A., assignor to Luminous Processes, Inc., New York, N. Y. Luminous pendant. 2,455,893, Dec. 7.

Kendall, John D., H. G. Suggate, and H. W. Wood, assignors to Ilford Limited, Ilford, England. Cyanine dyestuff. 2,455,420, Dec. 7.

Kennecott Wire & Cable Company, assignee: *See*—
Kessler, Philip V., and Moss.

Kennelly, Jeremiah D., Oak Park, Ill. Oscillating warning light for vehicles. 2,455,497, Dec. 7.

Kenyon, William O., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of 1-acyloxy-1,3-butadienes and acrylonitrile. 2,455,778, Dec. 7.

Keogh, Thomas P., assignor to Continental Can Company, Inc., New York, N. Y. Tongueless tearing strip container. 2,455,779, Dec. 7.

Kerber, Joseph H.: *See*—
Drott, Edward A., and Kerber.

Kern, Albert F., San Francisco, Calif. Shelving. 2,455,682, Dec. 7.

Kern, Clarence T., Milwaukee, assignor to Pick Manufacturing Company, West Bend, Wis. Steam injection type water heater. 2,455,498, Dec. 7.

Kessler, Philip V., Phillipsdale, and J. B. Moss, Providence, assignors to Kennecott Wire and Cable Company, Phillipsdale, R. I. Applicator for applying insulation to wire. 2,455,499, Dec. 7.

King, Douglas H., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Clip for coiling wire. 2,455,683, Dec. 7.

King, Peter, Washington, D. C. Depositing nonreflective films and composition therefor. 2,455,367, Dec. 7.

King-Seeley Corporation, assignee: *See*—
Bell, Rupert B.

Kirkpatrick, Henry O., assignor to Advance Manufacturing, Inc., Detroit, Mich. Control means for air conditioning apparatus. 2,455,421, Dec. 7.

Kirkpatrick, Hiram S., Fayetteville, N. C. Tobacco leaf support and drier. 2,455,684, Dec. 7.

Kirkwood, Loren R.: *See*—
Holst, Paul F. G., and Kirkwood.

Kleinkauf, James D.: *See*—
Curl, Herbert C., and Kleinkauf.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Pressure type freezer. 2,455,867, Dec. 7.

Knellwolf, Hans C., Zurich, Switzerland. Shoe sole. 2,455,560, Dec. 7.

Knight, Cosler D., Chicago, Ill., assignor to Zenith Radio Corporation. High gain amplifier. 2,455,501, Dec. 7.

Koch, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Control grid for electric discharge devices and making same. 2,455,868, Dec. 7.

Kohout, Eugene A., Miami, Fla. Alarm system for doors having a plurality of door panels operated in succession. 2,455,780, Dec. 7.

Konrad, Alexander, Cleveland, Ohio. Motor vehicle carrying case. 2,455,587, Dec. 7.

Koolma, Charles, Grand Rapids, Mich. Air collet closer. 2,455,586, Dec. 7.

Kotkins, Henry L., assignee: *See*—
Gerson, Morris.

Kotzin, Tobias, Los Angeles, Calif. Garment. 2,455,588, Dec. 7.

Kotzin, Tobias, Los Angeles, Calif. Trousers. 2,455,589, Dec. 7.

Krabbe, Ulrik, Fruens Boge, Denmark, assignor to Allmanna Svenska Elektriska Aktiebolaget, vasteras, Sweden. Operating separately excited direct-current motors. 2,455,869, Dec. 7.

Krauss, Herbert, Woodside, N. Y. Temperature limiting hot-water system supply. 2,455,590, Dec. 7.

Kreithen, Alexander: *See*—
Beard, Joseph G., Harralson, and Kreithen.

Kronoff, Clarence R., and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Driving control for axminster looms. 2,455,502, Dec. 7.

Kronoff, Clarence R., and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Driving control for axminster looms. 2,455,503, Dec. 7.

Kronoff, Clarence R., and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Driving control for axminster looms. 2,455,504, Dec. 7.

Kruck, Ralph E., and E. E. Grover, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air circulating duct for two-temperature refrigerator cabinets. 2,455,781, Dec. 7.

Kucks, Howard H., Rockville Centre, N. Y. Scoring device for table tennis. 2,455,422, Dec. 7.

Kuder, John M., Winter Haven, Fla. Making citrus waste feed products. 2,455,782, Dec. 7.

Kuykendall, Bill, Buda, Tex. Manually guided two-wheeled portable circular power saw. 2,455,369, Dec. 7.

Lamy, Arthur C., Milwaukee, Wis. Fleshing tool. 2,455,505, Dec. 7.

Landis & Gyr, A. G., assignee: *See*—
Perret, Henri.

Lang, Walter T., Brooklyn, assignor to Control Instrument Company, Inc., New York, N. Y. Selector mechanism. 2,455,783, Dec. 7.

Lansing, Charles B., Geauga County, Ohio. Automatic band saw machine. 2,455,423, Dec. 7.

Lanter, Clarence W., Bartlett, assignor to Breuer Electric Mfg. Company, Chicago, Ill. Handle for portable blowers. 2,455,786, Dec. 7.

Lapsensohn, Jacob, Brooklyn, N. Y. Fish spear and hook. 2,455,784, Dec. 7.

Larson, Ralph A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for lacquer coating side seams of can bodies. 2,455,785, Dec. 7.

Lautzenheiser, Willis P.: *See*—
Maul, John A., Lautzenheiser.

Lavino, E. J., and Company, assignee: *See*—
Tanber, John A., and Heiligman.

Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,455,370, Dec. 7.

Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Driver guard for fastening inserting machines. 2,455,371, Dec. 7.

Lecher, Hans Z., Plainfield, R. P. Parker, Somerville, and R. S. Long, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Production of 1-mono-and 1,2-disubstituted-3-cyanoguanidines. 2,455,894, Dec. 7.

Lee Rubber & Tire Corporation, assigne: *See*—
Love, Fred W., and McCormick.

Leeper, Sam P., Mineola, Tex. Portable gun sight reticule producing apparatus. 2,455,372, Dec. 7.

Lehman, Chester M., St. Louis, Mo. Dispensing container. 2,455,685, Dec. 7.

Leslie, Myrl M., Detroit, Mich. Pin pickup and holder. 2,455,506, Dec. 7.

Lester, John M., Rockville Centre, N. Y., assignor to The Sperry Corporation. Time base sweep and intensifier pulse generator. 2,455,373, Dec. 7.

Lev, Harry, Chicago, Ill. Uniform cap. 2,455,686, Dec. 7.

Lever Brothers Company, assignee: *See*—
Gudheim, Arne.
Libby, Louis H., and Henderson.

Levine, Gabriel Z., West Hartford, assignor to Barrdon Oil Burner Corporation, Hartford, Conn. Perforated combustion tube distillate burner. 2,455,424, Dec. 7.

Levy, Norman, C. W. Scaife, and D. S. T. Bryson, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of nitroparaffins. 2,455,425, Dec. 7.

Libby, Louis H., Boston, and L. F. Henderson, Reading, assignors to Lever Brothers Company, Cambridge, Mass. Rendering oleaginous tissue material. 2,455,374, Dec. 7.

Liberthson, Leo, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Cupranmmonical petroleum mahogany sulfonates. 2,455,687, Dec. 7.

Liebel, Charles R.: *See*—
Wilson, Philip J., Jr., Wells, and Liebel.

Light, Oliver A., East Orange, N. J. Storage rack. 2,455,507, Dec. 7.

Lillistion Implement Company, assignee: *See*—
Robinson, Samuel S., Jr.

Lilly, Eugene, Colorado Springs, Colo. Food product. 2,455,508, Dec. 7.

Lindan Electro, Inc., assignee: *See*—
Lindholm, Jorgen P.

Linde Air Products Company, The, assignee: *See*—
Shorter, Albert E.
Zenner, George H.

Lindholm, Jörgen P., Stockholm, Sweden, assignor to Lindan Electro, Inc. Driving mechanism for knitting needles. 2,455,375, Dec. 7.

Lindsay, Maxwell H. A., Summit, assignor to American District Telegraph Company, Jersey City, N. J. Capacity alarm system. 2,455,376, Dec. 7.

Lindsay, William S., Harriman, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Insulation cutting tool. 2,455,591, Dec. 7.

Line Material Company, assignee: *See*—
Schultz, William O.

Linn, Frank F., Walnut Creek, Calif., assignor to Frank F. Linn Corporation. Trailer axle. 2,455,787, Dec. 7.

Linn, Frank F., Corporation, assignee: *See*—
Linn, Frank F.

Liquid Carbonic Corporation, The, assignee: *See*—
Kantor, James, and Rosenberg.

Lively, John F., Mount Vernon, Ohio. Adapter attachment for indicator dials. 2,455,592, Dec. 7.

Livingston, Edmund C., Rehoboth, Mass. Safety stop for barrels. 2,455,426, Dec. 7.

Lo Cascio, Jack J., Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassière. 2,455,788, Dec. 7.

Loewenstein, Ernst, San Francisco, Calif. Arrangement for covering ship hulls. 2,455,593, Dec. 7.

Long, Robert S.: *See*—
Lecher, Hans Z., and Parker, and Long.

Loughborough, William K., Madison, Wis., assignor to United States of America as represented by the Secretary of Agriculture. Impregnating wood and composition therefor. 2,455,427, Dec. 7.

Love, Fred W., Youngstown, and C. E. McCormick, Poland, assignors to Lee Rubber & Tire Corporation, Youngstown, Ohio. Coating machine. 2,455,428, Dec. 7.

Luáces, Enrique L., assignor to Chemical Developments Corporation, Dayton, Ohio. Extruding irregularly shaped carbon rods. 2,455,509, Dec. 7.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Optical rectification for motion-picture apparatus and the like. 2,455,789, Dec. 7.

Lucien, René, Farnham Common, England. Vehicle body. 2,455,429, Dec. 7.

Luckhaupt, Christopher, Jamaica, N. Y. Animated toy. 2,455,430, Dec. 7.

Ludwig, James H., Collingswood, N. J., assignor to Radio Corporation of America. Band-pass amplifier. 2,455,510, Dec. 7.

Luminous Processes, Inc., assignee: *See*—
Kelly, Joseph A.

MacGregor, Robert A., Olney, Ill. Engine mounting and drive wheel suspension for motorcycles. 2,455,431, Dec. 7.

Maggiacomo, Chauncey N., U. S. Army, Poughkeepsie, N. Y. Wire-winding device. 2,455,377, Dec. 7.

Magoun, Carleton M.: *See*—
Putman, Robert D., and Magoun.

Mailander, Joseph F.: *See*—
Nader, Joseph, and Mailander.

Malickson, Philip S., Philadelphia, Pa., assignor to Sentry Safety Control Corp. Portable electric steam radiator. 2,455,688, Dec. 7.

Mallory, Marion, Detroit, Mich. Ignition system for internal-combustion engines. 2,455,594, Dec. 7.

Malm, Carl J., and G. D. Hiatt, assignors to Eastman Kodak Company, Rochester, N. Y. Enteric coatings. 2,455,790, Dec. 7.

Malme, Elmer K., assignor to Guard-It Manufacturing Co., Chicago, Ill. Electrical fence charger. 2,455,511, Dec. 7.

Margolis, Joseph M.: *See*—
Froelich, Herman C., and Margolis.

Marple, Kenneth E., Oakland, and B. Bordas, assignors to Shell Development Company, San Francisco, Calif. Stabilization of unsaturated nitriles. 2,455,689, Dec. 7.

Marsh, Jas. P., Corporation, assignee: *See*—
McCoy, Edward A.

Martin, Melvin B., Piqua, Ohio. Tractor tire lift. 2,455,432, Dec. 7.

Masciarelli, Camillo, Clinton, Mass. System for operating electric discharge tubes. 2,455,791, Dec. 7.

Mathieson Chemical Corporation, assignee: *See*—
Erickson, Edwin R.

Matsen, Morris, Wilmington, Del., and E. R. Jones, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Loading and packaging device. 2,455,433, Dec. 7.

Matthias, Lynn H., Fox Point, assignor to Allen-Bradley Company, Milwaukee, Wis. Electromagnet with pivotally mounted armature. 2,455,690, Dec. 7.

Maul, John A., and W. P. Lautzenheiser, Fort Wayne, Ind., assignors to General Electric Company. Coupling. 2,455,870, Dec. 7.

May, Frank H., assignor to American Potash & Chemical Corporation, Trona, Calif. Manufacturing potassium tetraborate and sodium tetraborate. 2,455,595, Dec. 7.

McCormick, Clarence E.: *See*—
Love, Fred W., and McCormick.

McCoy, Edward A., Eau Claire, Wis., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Skokie, Ill. Bourdon tube end cap. 2,455,512, Dec. 7.

McCoy, Howard M., Patterson Field, Ohio. Mechanism and controls for controllable aircraft propellers; complete propeller with automatic controls. 2,455,378, Dec. 7.

McCulloch, Cameron B., Hollywood, Calif. Sound transmission control system. 2,455,691, Dec. 7.

McDunnah, Frederick A., Hampton Falls, N. H. Velocipede toy shovel attachment. 2,455,692, Dec. 7.

McGee, James D., London, assignor to Electric & Musical Industries Limited, Hayes, England. Manufacture of mosaic screens. 2,455,513, Dec. 7.

McGowan, John C.: *See*—
Bailey, Eric J. G., Page, and McGowan.

McLennan, Miles A., Dayton, Ohio. Electronic temperature control. 2,455,379, Dec. 7.

Mead Johnson and Company, assignee: *See*—
Barton, Raymond W.

Mead, William H., Oakland, Calif. Surface treating method and apparatus. 2,455,514, Dec. 7.

Mease, Wilbur D., Berkeley, Calif. Mechanical pencil. 2,455,596, Dec. 7.

Meister, Leo T., Bradley Beach, N. J. Manufacturing primers. 2,455,380, Dec. 7.

Mercer, William R., Boston, Mass., assignor to Radio Corporation of America. Distance determining system. 2,455,693, Dec. 7.

Mero, Ralph M.: *See*—
Johnson, Scott R., and Mero.

Metzger, Leopold H., and W. B. Muse, Chicago, Ill., and F. J. Pease, Wauwatosa, Wis., assignors, by mesne assignments, to Super-Cut, Inc., Chicago, Ill. Grinding wheel. 2,455,597, Dec. 7.

Meulenbergh, Emil C., Brooklyn, N. Y. Metal cross bridging. 2,455,904, Dec. 7.

Meunier, Frederick A., assignor to Republic Steel Corporation, Cleveland, Ohio. Limiter circuit for electric testing apparatus. 2,455,792, Dec. 7.

Meyer, Arthur W., assignor of one-half to J. P. Happley, St. Louis, Mo. Adjustable drill jig. 2,455,871, Dec. 7.

Michalenko, Andrew B., Los Angeles, Calif. Clamp. 2,455,598, Dec. 7.

Middleton, Frederick A.: *See*—
Ushakoff, Alexis E.

Mikelson, Nordal, Yankton, S. Dak. Universal speed wrench. 2,455,434, Dec. 7.

Miller, James T., assignor to The Kawneer Company, Niles, Mich. Glass holding device. 2,455,599, Dec. 7.

Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,455,694, Dec. 7.

Miller, Samuel, Kew Gardens, N. Y. Reinforcement and spring clip construction for billfolds. 2,455,515, Dec. 7.

Millien, Albert: *See*—
Fawcett, Eric W. M., Millien, and Mulhern.

Mincher, Edwin L.: *See*—
Safford, Moyer M., and Mincher.

Mine Safety Appliances Company, assignee: *See*—
Myers, Charles H., and Yant.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Beam, Vilynn O.
Beam, Vilynn O., and Wilson.

Minneapolis-Moline Power Implement Company, assignee: *See*—
Ronning, Martin, and Keith.

Molumby, Leon F.: *See*—
Molumby, Matthew J. and L. F.

Molumby, Matthew J. and L. F., West Union, Iowa. Pocket prophylaxis dental unit. 2,455,600, Dec. 7.

Monaco, Foster F., Jackson Heights, N. Y. Brush and crumber set. 2,455,695, Dec. 7.

Monklewicz, Rudolf A., North Tonawanda, N. Y. Carriage stop. 2,455,793, Dec. 7.

Monsanto Chemical Company, assignee: *See*—
Hitchens, Richard M.
Schlattman, Russell H.
Seymour, Raymond B.
Weinkauff, Oliver J.

Montemotte, Charles J., Detroit, Mich. Stop light for automobiles. 2,455,794, Dec. 7.

Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of solvents. 2,455,601, Dec. 7.

Morrison, Willard L., Lake Forest, Ill. Cylindrical domestic refrigerator. 2,455,872, Dec. 7.

Morton, Jack A., Neshanic Station, N. J., and L. J. Speck, Flushing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode assembly for electron discharge devices. 2,455,381, Dec. 7.

Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Iron oxide-alkali metal ferrate catalyst and its method of preparation. 2,455,696, Dec. 7.

Mosher, Harry S.: *See*—
Adams, Robert R., and Mosher.

Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauge for checking the centerline of elongate parts. 2,455,516, Dec. 7.

Moss, John B.: *See*—
Kessler, Philip V., and Moss.

Mulhern, Norah: *See*—
Fawcett, Eric W. M., Millien, and Mulhern.

Mullins Manufacturing Corporation, assignee: *See*—
Theil, Michael, and Woina.

Murphy, Clyde G., Metuchen, and J. P. Sermattei, Matawan, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Strippable coating composition comprising a polychloroprene and a stripping agent. 2,455,855, Dec. 7.

Murphy, Clyde G., Metuchen, and J. P. Sermattei, Matawan, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Strippable coating composition comprising a polychloroprene and carbon black. 2,455,856, Dec. 7.

Murphy, Ralph E., Beverly Hills, Calif. Shadow box container for merchandise. 2,455,795, Dec. 7.

Muse, Wilson B.: *See*—
Metzger, Leopold H., Muse and Pease.

Myer, Bert W., Jr., assignee: *See*—
Myer, Bert W., Sr.

Myer, Bert W., Sr., assignor of one-half to B. W. Myer, Jr., Manitou Springs, Colo. Adjustable watch band. 2,455,796, Dec. 7.

Myers, Charles H., and W. P. Yant, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Helmet. 2,455,797, Dec. 7.

Nader, Joseph, and J. F. Mallander, Glen Ellyn, Ill. Troque and speed responsive mechanism. 2,455,435, Dec. 7.

Nagel, Gerhard R., and M. E. Johnson, assignors to Distillation Products, Inc., Rochester, N. Y. Ionization gauge circuits. 2,455,437, Dec. 7.

Nagy, Daniel E.: *See*—
Redmon, Byron C., and Nagy.

Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. 1-aryl,5-alkyl, biguanides. 2,455,896, Dec. 7.

Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. 1,5-diarylbiguanides from aromatic amines and dicyanimide. 2,455,897, Dec. 7.

Nagy, Daniel E., and B. C. Redmon, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of alkali metal salts of dicyanimide. 2,455,895, Dec. 7.

Naidor, George, Gouldsboro, Pa. Fur-covered shoe vamp. 2,455,436, Dec. 7.

Nathan Manufacturing Company, assignee: *See*—
Winther, Howard.

Naythons, William B., administrator: *See*—
Witlin, Isadore B.

Neirynck, Roger, Mont-sur-Marchienne, assignor to Societe anonyme dite: Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium. Mercury-vapor electric converter. 2,455,602, Dec. 7.

Nelson, Richard C., Clearwater Beach, assignor, by mesne assignments, to Juice Industries, Inc., Dunedin, Fla. Method of making a pectin product. 2,455,382, Dec. 7.

Ness, Walter E., Middlesex, N. J., assignor to American Cyanamid Company, New York, N. Y. Lakes of basic dyestuffs. 2,455,898, Dec. 7.

Newman, Albert J., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Machine for testing and marking parts magnetically. 2,455,874, Dec. 7.

New Wrinkle, Inc., assignee: *See*—
Waldie, William A.

Nichols, Harry J., New York, N. Y. Fuse. 2,455,603, Dec. 7.

Nicolaysen, Hans, Brooklyn, N. Y. Fluorescent light holder for pianos. 2,455,798, Dec. 7.

Nielson, Morgan L., Richmond, Calif. Double-acting chain-type pipe vise. 2,455,517, Dec. 7.

Niessen, Paul F., Canal Fulton, Ohio, assignor, to The B. F. Goodrich Company, New York, N. Y. Vulcanization of neoprene. 2,455,897, Dec. 7.

Niles-Bement-Pond Company, assignee: *See*—
Potter, William W. and Fuller.
Shaw, Robert D.

Nissen, Warren I., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter construction. 2,455,698, Dec. 7.

Nivison-Weiskopf Company, The, assignee: *See*—
Curtis, Edna H.

Nordlander, Birger W., and W. E. Cass, Schenectady, N. Y., assignors to General Electric Company. Modified wax-compatible ethylene glycoltetrachlorophthalate resins. 2,455,873, Dec. 7.

Novotney, Arthur R.: *See*—
Johnston, Ralph J., and Novotney.

Ohlson, Reynold A., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch actuating mechanism. 2,455,799, Dec. 7.

Ohsol, Ernest O.: *See*—
Waterman, Wendell W., and Ohsol.

Oldham, Henry V., McRoberts, Ky. Undergarment. 2,455,604, Dec. 7.

Oliver, Benton A., Bloomington, Ind. Land anchor. 2,455,800, Dec. 7.

Olson, Frederick F., Sudbury, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Close-fitting boot. 2,455,801, Dec. 7.

Olson, Raymond E., Pittsford, assignor to Taylor Instrument Companies, Rochester, N. Y. Pasteurizing system. 2,455,605, Dec. 7.

Operadio Manufacturing Co., assignee: *See*—
Crane, Webster O.

Oppold, Harry E., Sterling, Ill. Recoil absorber for firearms. 2,455,438, Dec. 7.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Slayter, Games.

Page, Francis M.: *See*—
Bailey, Eric J. G., Page, and McGowan.

Page, Herbert E., Alhambra, Calif. Fluid jack with ram locking means. 2,455,439, Dec. 7.

Page, Herbert E., Alhambra, Calif. Hydraulic jack. 2,455,440, Dec. 7.

Pak Parachute Company Limited, assignee: *See*—
Caspar, Frank A.

Parke, Davis, & Company, assignee: *See*—
Adams, Robert R., and Mosher.

Parker, Robert P.: *See*—
Lecher, Hans Z., Parker, and Long.

Pass & Seymour, Inc., assignee: *See*—
Despard, Victor R.

Paulsboro Manufacturing Company, assignee: *See*—
Jones, James R.

Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Insole rib cementer. 2,455,518, Dec. 7.

Pease, Fred J.: *See*—
Metzger, Leopold H., Muse, and Pease.

Peillon, Paul, assignor to Salvage & Marine Company of Egypt S. A. E., Cairo, Egypt. Arc welding within hydrocarbon oil. 2,455,441, Dec. 7.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Smith, Adrian C., and Staubly.

People of the United States of America, assignee: *See*—
Weyl, Woldemar A., and Williams.

Perret, Henri, Zug, Switzerland, assignor to Landis & Gyr, A. G. Relay for reliable operation with definite excitation. 2,455,699, Dec. 7.

Petersen Oven Company, The, assignee: *See*—
Stroman, Jack L.

Peterson, Eric O., Bridgeport, D. I. Wright, Westport, and H. T. Heaton, Milford, Conn., assignors to General Electric Company. Inductance unit. 2,455,875, Dec. 7.

Pfeffer, Edward C., Jr., Troy, assignor to Continental Can Company, Inc., New York, N. Y. Glass cloth spotting material. 2,455,802, Dec. 7.

Philco Corporation, assignee: *See*—
Sunstein, David E.
Tellier, Joseph C., and Wilson, Jr.

Phillips Petroleum Company, assignee: *See*—
Morris, Lloyd C.

Photoswitch, Incorporated, assignee: *See*—
Cade, Phillip J.

Pick Manufacturing Company, assignee: *See*—
Kern, Clarence T.

Pickard, Percy, London, Ontario, Canada, assignor to Richmond Manufacturing Company, Lockport, N. Y. Screen for gyratory sifters, screens, or bolting equipment. 2,455,383, Dec. 7.

Pierotti, Gino J., Albany, assignor to Shell Development Company, San Francisco, Calif. Extractive distillation process. 2,455,803, Dec. 7.

Pioneer Gen-E-Motor Corporation, assignee: *See*—
Goldberg, Richard O.

Pittsburgh Plate Glass Company, assignee: *See*—
Ellerman, George E.
Gregory, John J.
Sherts, James H.

Pleiss, Walter H., Ludington, Mich. Concealed post support. 2,455,606, Dec. 7.

Polytron Corp., assignee: *See*—
Shortt, Hubert L.

Pope, Frank B.: *See*—
Bralley, James A., and Pope.

Porges, Frederick B., assignor to Flexibox Limited, Manchester, England. Mechanical seal. 2,455,700, Dec. 7.

Porter, H. K., Inc., assignee: *See*—
Ferguson, William H., and Geddes.

Potter, William W., and A. J. Fuller, Pawtucket, R. I., assignors, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Machine tool. 2,455,876, Dec. 7.

Power Jets (Research and Development) Limited, assignee: *See*—
Whittle, Frank.

Powers, James C., Jr., Barrington, R. I. Sailing game. 2,455,519, Dec. 7.

Price, Ervin C., Washington, D. C. Portable hair-rinsing basin. 2,455,607, Dec. 7.

Princess Shoe Company, assignee: *See*—
Farina, Julius.

Prudhon, Glenn L., Plainfield, and R. W. Spikula, Newark, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Temperature controlled test system. 2,455,520, Dec. 7.

Pure Oil Company, The, assignee: *See*—
Schindler, Hans.

Putman, Robert D., and C. M. Magoun, Sioux City, Iowa. Seed counting and selecting device. 2,455,701, Dec. 7.

Radio Corporation of America, assignee: *See*—
Anderson, Earl I.
Beard, Joseph G., Harralson, and Krelthen.
Brown, George H.
Epstein, David W.
Greenough, Maurice L.
Hansell, Clarence W.
Hillier, James.
Holst, Paul F. G., and Kirkwood.
Ludwig, James H.
Mercer, William R.
Sarnoff, David.
Szikiai, George C.
Whittaker, James L.

Ransley, Charles E., Sudbury, and S. V. Williams, Kenton, assignors to The General Electric Company Limited, London, England. Nickel chromium tungsten composite metal body and making same. 2,455,804, Dec. 7.

Rasmussen, Olaf, Sidney, Ohio. Safety razor. 2,455,877, Dec. 7.

Raudabaugh, Stanley E., East Cleveland, Ohio. Shoe holder. 2,455,805, Dec. 7.

Rauland Corporation, The, assignee: *See*—
Szegho, Constantin S.

Raykoff, Philip C., assignee: *See*—
Witlin, Isadore B.

Reach, Milton B., Springfield, Mass. Construction of fields for playing golf. 2,455,806, Dec. 7.

Read, Worth G., St. Paul, Minn. Punch sheet records. 2,455,384, Dec. 7.

Rechton, George D., Los Angeles, D. J. Ward, Sherman Oaks, and J. H. Watson, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Forming material. 2,455,702, Dec. 7.

Redmon, Bryan C.: *See*—
Nagy, Daniel E., and Redmon.

Redmon, Bryan C., and D. E. Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of substituted cyanoguanidine. 2,455,807, Dec. 7.

Reiss, Max, assignor to Eastman Kodak Company, Rochester, N. Y. Objective of low index glass with negative components of high curvature. 2,455,808, Dec. 7.

Remco Electronic, Inc., assignee: *See*—
Schmidt, Ernest H., Jr.
Shepard, Francis H., Jr.

Remington Arms Company, Inc., assignee: *See*—
Barnes, Charles H.
Du Pont, Francis G.

Republic Steel Corporation, assignee: *See*—
Meunier, Frederick A.

Reuter, Louis F., Elyria, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Purifying nuclear-chlorinated bis-phenols by steam distillation. 2,455,703, Dec. 7.

Ricards, Harold A., Jr.: *See*—
Beerbower, Alan, and Ricards.

Rice, Harold W., Los Angeles, and G. B. Solovieff, South Gate, Calif., assignors to Robertshaw-Fulton Controls Company. Safety control for gaseous fuel burners. 2,455,521, Dec. 7.

Richmond Manufacturing Company, assignee: *See*—
Pickard, Percy.

Rifkin, Milton, Denver, Colo., assignor, by mesne assignments, to Frez-O-Mat Corporation. Package and cabinet for frozen foods. 2,455,809, Dec. 7.

Ringler, Irving, New York, N. Y. X-ray apparatus. 2,455,522, Dec. 7.

Robar Research, Inc., assignee: *See*—
Rodack, James.

Roberts, Elmer F.: *See*—
Wright, William C., Rowe, Jr., and Roberts.

Robertshaw-Fulton Controls Company, assignee: *See*—
Rice, Harold W., and Solovieff.
Weber, Victor, and Garner.

Robinson, Samuel S., Jr., U. S. Army, assignor to Lilliston Implement Company, Albany, Ga. Baling press and baling method. 2,455,442, Dec. 7.

Rodack, James, assignor to Robar Research, Inc., Detroit, Mich. Tray siphon and agitator. 2,455,523, Dec. 7.

Rohm & Haas Company, assignee: *See*—
Bortnick, Newman M.

Ronning, Martin, St. Louis Park, and K. M. Keith, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Combine. 2,455,905, Dec. 7.

Ronning, Martin, St. Louis Park, and K. M. Keith, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Crop gathering mechanism for combines. 2,455,906, Dec. 7.

Ronson Art Metal Works, Inc., assignee: *See*—
Nissen, Warren I.

Rosenberg, Edward F.: *See*—
Kantor, James, and Rosenberg.

Rosengren, Orvar E., Hamden, Conn. Barrel lock. 2,455,608, Dec. 7.

Rowe, Daniel G., Jr.: *See*—
Wright, William C., Rowe, Jr., and Roberts.

Rowe Industries, assignee: *See*—
De Armond, Harry.

Ryan, William, New York, N. Y. Device for inspecting blood circulation. 2,455,810, Dec. 7.

Sadowsky, Charles, Great Neck, assignor to United Device Corporation, New York, N. Y. Antiskid device for tires. 2,455,878, Dec. 7.

Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Organic lead salt stabilizers for vinyl halide resins. 2,455,879, Dec. 7.

Safford, Moyer M., and E. L. Mincher, Schenectady, N. Y., assignors to General Electric Company. Lead silanolate stabilizers for vinyl halide resins. 2,455,880, Dec. 7.

Salisbury, Leroy F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mercury-treated charcoal catalyst and its preparation. 2,455,881, Dec. 7.

Salvage & Marine Company of Egypt, assignee: *See*—
Peillon, Paul.

Sanders, Robert W., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Automatic signal level control. 2,455,899, Dec. 7.

Sarnoff, David, New York, N. Y., assignor to Radio Corporation of America. Secret radio signaling system. 2,455,443, Dec. 7.

Sayles Finishing Plants, Inc., assignee: *See*—
Ariente, Peter J., and Allen.

Scaife, Charles W.: *See*—
Levy, Norman, Scaife, and Bryson.

Schairer, George S., Seattle, Wash., assignor to Boeing Airplane Company. Alternate passage double ring cowl. 2,455,385, Dec. 7.

Scheib, Burton V., Toledo, Ohio. Wire applying forceps. 2,455,609, Dec. 7.

Schieffelin & Co., assignee: *See*—
Tallman, Ralph C., and Stuart.

Schindler, Hans, Evanston, assignor to The Pure Oil Company, Chicago, Ill. Hydroaromatic sulfonates and their preparation. 2,455,811, Dec. 7.

Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions comprising a polyvinyl chloride resin stabilized with ortho-sulfobenzimide. 2,455,611, Dec. 7.

Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions comprising a polyvinyl chloride resin stabilized with the alkali metal salts and the alkaline earth metal salts of ortho-sulfobenzimide. 2,455,612, Dec. 7.

Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions comprising a polyvinyl chlorine resin stabilized with the dialkyl tin salts of ortho-sulfobenzimide. 2,455,613, Dec. 7.

Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company St. Louis, Mo. Compositions comprising a polyvinyl chloride resin stabilized with the lead salt of ortho-sulfobenzimide. 2,455,614, Dec. 7.

Schlesman, Carleton H., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Fractionation in presence of radiant energy. 2,455,812, Dec. 7.

Schmidt, Ernest H., Jr., Williamstown, Mass., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Harmonic two-phase motor damping circuits. 2,455,610, Dec. 7.

Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Working up of magnesia rock, and purification of magnesium carbonate. 2,455,813, Dec. 7.

Scholl Mfg. Co., Inc., The, assignee: *See*—
Gerbing, Willard E.

Schultz, Anthony J., assignor of one-half to E. Crosby, St. Paul, Minn. Tire deflation indicator. 2,455,524, Dec. 7.

Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Electrical cutout. 2,455,704, Dec. 7.

Schulz, Herman, Chicago, Ill. Tripod. 2,455,525, Dec. 7.

Schwartz, Morris, and W. Castedello, assignors to The Kalart Company, Inc., Stamford, Conn. Plateholder for photographic apparatus. 2,455,814, Dec. 7.

Schwartz, Nathan R., New York, N. Y. Clamp. 2,455,444, Dec. 7.

Sciaky, David, assignor to Welding Research, Inc., Chicago, Ill. Welding apparatus. 2,455,526, Dec. 7.

Scovill, Royal J., Jr., Middletown, Pa. Machine for and method of cutting blooms and the like. 2,455,615, Dec. 7.

Seager, John C., Hartsdale, N. Y. Golf tee. 2,455,705, Dec. 7.

Seamon, A. & L., assignee: *See*—
Seamon, Louis.

Seamon, Louis, assignor to A. & L. Seamon, Brooklyn, N. Y. Stitchless combined billfold and coin purse. 2,455,527, Dec. 7.

See, Melvin J., and J. C. Bailie, assignors to Standard Oil Company, Chicago, Ill. Gel catalyst. 2,455,445, Dec. 7.

Seigh, Joseph W., Teaneck, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Solder splash shielding means. 2,455,815, Dec. 7.

Seigle, Leslie L.: *See*—
Gagnebin, Albert P., Seigle, and Vanick.

Sentry Safety Control Corp., assignee: *See*—
Malickson, Philip S.

Sepavich, Victor F.: *See*—
Kronoff, Clarence R., and Sepavich.

Sermattei, John P.: *See*—
Murphy, Clyde G., and Sermattei.

Seymour, Mary E., Union Star, Mo. Clothesline structure. 2,455,446, Dec. 7.

Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Accelerating vulcanization of rubber. 2,455,528, Dec. 7.

Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ringer circuit. 2,455,386, Dec. 7.

Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone subscriber's set illumination. 2,455,816, Dec. 7.

Shaw, Robert D., Bloomfield, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Automatic duplicating machine. 2,455,882, Dec. 7.

Shaw, Thomas, Cranston, R. I., assignor to Stackbin Corporation. Inclined bin. 2,455,706, Dec. 7.

Shawinigan Resins Corporation, assignee: *See*—
Bromley, William H., Jr.

Sheffer, Andrew D., Brighton, Mich. Golf instructor. 2,455,707, Dec. 7.

Shell Development Company, assignee: *See*—
Adelson, David E., and Gray.
Bakalar, Arthur B.
Dickey, Frank H.
Marple, Kenneth E., and Borders.
Pierotti, Gino J.

Shepard, Francis H., Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Transientless modulator system for keying. 2,455,616, Dec. 7.

Shepard, Francis H., Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Telescriber system utilizing carrier transmission of four intelligences. 2,455,617, Dec. 7.

Shepard, Francis H., Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Damping follow-up mechanism by degenerative derivative. 2,455,618, Dec. 7.

Sherman, Ralph A., assignor, by mesne assignments, to The Battelle Development Corporation, Columbus, Ohio. Method and apparatus for burning carbonaceous fuels. 2,455,817, Dec. 7.

Sherts, James H., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glare reducing rear-vision mirror. 2,455,818, Dec. 7.

Sherwin, Frederick S., Fair Lawn, N. J., assignor to Wright Aeronautical Corporation. Fin vibration dampener. 2,455,708, Dec. 7.

Sheshunoff, Victor: *See*—
Whitfield, Marshall G., and Sheshunoff.

Shinberg, Barney: *See*—
Shrager, Hymen, and Shinberg.

Shorter, Albert E., Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y. Flame treatment of substantially cylindrical internal surfaces such as bores. 2,455,447, Dec. 7.

Shortt, Hubert L., assignor to Polytron Corp., White Plains, N. Y. Phonographic device. 2,455,529, Dec. 7.

Shrager, Hymen, and B. Shinberg, Westerly, R. I., assignors to American Felt Company, Glenville, Conn. Hat. 2,455,619, Dec. 7.

Simpson, Randolph: *See*—
Haun, Joye C., and Simpson.

Sippel, Theodore E., Valley Stream, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermostat-controlled heater circuit. 2,455,387, Dec. 7.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for melting glass. 2,455,907, Dec. 7.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method of making glass fibers. 2,455,908, Dec. 7.

Smith, Adrian C., Philadelphia, and J. L. Staubly, Drexel Hill, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparation of 2,2-bis(p-chlorophenyl) 1,1,1-trichlorethane. 2,455,388, Dec. 7.

Smith, Louis R., Portland, Oreg. Winding reel for tape measures. 2,455,819, Dec. 7.

Smith, Putnam M., assignor of one-half to A. L. Janes, Jr., Redwood Falls, Minn. Foul detector and indicator for bowling alleys. 2,455,909, Dec. 7.

Societe anonyme dite: Ateliers de Constructions Electriques de Charlerol, assignee: *See*—
Neirynck, Roger.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Canley, Stephen P.
Fuller, Everett W., and Angel.
Graves, Francis M.
Schlesman, Carleton H.
Spelshouse, Wallace E., and Boenau.

Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr., San Mateo, Calif. Method and apparatus for separating audio frequencies. 2,455,389, Dec. 7.

Solovieff, George B.: *See*—
Rice, Harold W., and Solovieff.

Sonneborn, L., Sons, Inc., assignee: *See*—
Liberthson, Leo.

Spanogle, John A., Dayton, Ohio. Hydraulic mechanism for synchronizing a plurality of prime movers with a master prime mover. 2,455,390, Dec. 7.

Speck, Lawrence J.: *See*—
Morton, Jack A., and Speck

Spelshouse, Wallace E., East Hills, and A. H. Boenau, Long Island City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Battery box asphalt and making the same. 2,455,709, Dec. 7.

Sperry Corporation, The, assignee: *See*—
Hays, Robert F., Jr.
Lester, John M.
Varian, Russell H.
Webber, Hugh E.

Spikula, Russell W.: *See*—
Prudhon, Glenn L., and Spikula.

Sponge Rubber Company, The, assignee: *See*—
Talalay, Anselm.

Squibb, E. R., & Sons, assignee: *See*—
Ansbacher, Stefan, and Fernholz.
Fernholz, Erhard, and Ansbacher.

Sreb, Jules H., Silver Spring, Md., assignor to United States of America as represented by the Secretary of War. Centrifugal switch. 2,455,620, Dec. 7.

Stackbin Corporation, assignee: *See*—
Shaw, Thomas.

Stallbaum, Charles F. R., Everett, Wash., assignor to C. Williams as trustee of 32½ per cent for himself, 33⅓ per cent for V. L. Tore and 34⅙ per cent for said Stallbaum. Fire and water tube boiler. 2,455,621, Dec. 7.

Standard Oil Company, assignee: *See*—
Johnson, Everett A.
See, Melvin J., and Baille.

Standard Oil Development Company, assignee: *See*—
Beerbower, Alan, and Ricards.
Duncan, Gordon W., and Zimmer.
Ford, William W., and Thiel.
Horeczy, Joseph T.
Jones, Minor C. K., and Eulhardt.
Mosesman, Max A.
Voorhies, Alexis, Jr.
Waterman, Wendell W., and Ohsol.

Stange, Wm. J., Co., assignee: *See*—
Fonyo, Aladar.

Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for the production of artificial filaments. 2,455,530, Dec. 7.

Statham, Louis D., Beverly Hills, Calif., assignor to Curtiss-Wright Corporation. Electric pressure strain gauge. 2,455,883, Dec. 7.

Staubly, Julian L.: *See*—
Smith, Adrian C., and Staubly.

Steigerwald, Libera L., Chicago, Ill. Infant's sleeping garment combination. 2,455,884, Dec. 7.

Steiner, Arnold B., La Jolla, assignor to Kelco Company, San Diego, Calif. Production of oil-in-water emulsions. 2,455,820, Dec. 7.

Stenger, Willebaid C., Chicago, Ill. Cradle for bass viols or other stringed instruments. 2,455,821, Dec. 7.

Stevens, Edward W.: *See*—
Fischer, Howard R., and Stevens.

Stevens, Jess V.: *See*—
Dons, Eddie M., and Stevens.

Stewart, Andrew G., Edinburgh, Scotland. Beating engine and the like. 2,455,622, Dec. 7.

Stone, Sam H., New York, N. Y. Combination serving, straining, and carving implement. 2,455,623, Dec. 7.

Strom, Herbert F., West Allis, Wis., assignor to Sunbeam Corporation. Apparatus for heat-treating metal parts. 2,455,822, Dec. 7.

Stre[illegible], Jack L., Elmwood Park, assignor to The Petersen [illegible] Company, Chicago, Ill. Metal furnace. 2,455,531, [illegible].

St[illegible], Alfred H.: *See*—
Tallman, Ralph C., and Stuart.

Suggate, Harold G.: *See*—
Kendall, John D., Suggate, and Wood.

Sunbeam Corporation, assignee: *See*—
Strom, Herbert F.

Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Light responsive displacement indicator 2,455,532, Dec. 7.

Super-Cut, Inc., assignee: *See*—
Metzger, Leopold H., Muse, and Pease.

Sutton Engineering Company, assignee: *See*—
Sutton, John B.

Sutton, John B., Bellefonte, assignor to Sutton Engineering Company, Pittsburgh, Pa. Round straightener. 2,455,391, Dec. 7.

Swalinkavich, Joseph E., Jr., Robbinsdale, and J. T. Donovan, Minneapolis, Minn.; said Donovan assignor to said Swalinkavich. Adjustable clothesline prop. 2,455,448, Dec. 7.

Swindle, John A., Norwalk, Calif. Combined safety and sound-producing device for radiators. 2,455,533, Dec. 7.

Sylvania Electric Products Inc., assignee: *See*—
Thomas, Ralph B., and Betts.

Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Color television system. 2,455,710, Dec. 7.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Bidirectional high gain amplifier. 2,455,711, Dec. 7.

Tafel, Robert W.: *See*—
Anderer, Theodore A., and Tafel.

Talalay, Anselm, New Haven, assignor to The Sponge Rubber Products Company, Shelton, Conn. Reticulated structure and making the same. 2,455,534, Dec. 7.

Tallman, Ralph C., Morristown, N. J., and A. H. Stuart, assignors to Schleffelin & Co., New York, N. Y. Estrogenic substances. 2,455,535, Dec. 7.

Tauber, John A., and H. A. Heiligman, Norristown, assignors to E. J. Lavino and Company, Philadelphia, Pa. Control apparatus for molding presses. 2,455,823, Dec. 7.

Taylor Instrument Companies, assignee: *See*—
Olson, Raymond E.

Tellier, Joseph C., and H. H. Wilson, Jr., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Harmonic generator. 2,455,824, Dec. 7.

Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively actuated fastening apparatus. 2,455,825, Dec. 7.

Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively actuated tool. 2,455,826, Dec. 7.

Temple Velocity Equipment, Inc., assignee: *See*—
Temple, Robert.

Tenety, Vincent J., Jersey City, assignor to East Coast Ship Yards, Cliffside Park, N. J. Drive or sprocket chain. 2,455,624, Dec. 7.

Thames, Frank C., San Antonio, Tex. Machine for shearing green corn from the cob, including an annular rotary cutter. 2,455,449, Dec. 7.

Thanem, Oswald I., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Centering device. 2,455,827, Dec. 7.

Theil, Michael, and B. A. Woina, assignors to Mullins Manufacturing Corporation, Salem, Ohio. Production of washing machine tubs. 2,455,828, Dec. 7.

Theurer, Erich G., Teaneck, N. J. Screw fastening. 2,455,885, Dec. 7.

Thiel, Fred D.: *See*—
Ford, William W., and Thiel.

Thomas & Betts Co., assignee: *See*—
Badeau, Carroll A., and Clapp.

Thomas, Ralph B., Beverly, and M. D. Betts, Rockport, assignors to Sylvania Electric Products Inc., Salem, Mass. Electric lamp. 2,455,829, Dec. 7.

Thompkins, Albert H., Springfield, Mass. Flexible sear mechanism for firearms. 2,455,830, Dec. 7.

Thompson, Robert T., Oak Park, Ill., assignor to Zenith Radio Corporation. Radio receiver noise suppression circuit. 2,455,450, Dec. 7.

Thomson, E. Craig, Boston, assignor to Combustion Control Corporation, Cambridge, Mass. Apparatus for supervising heat generating means. 2,455,536, Dec. 7.

Timken Roller Bearing Company, The, assignee: *See*—
Edwards, Herbert C.

Tinnerman Products, Inc., assignee: *See*—
Flanagan, John E.

Tore, Victor L., assignee: *See*—
Stallbaum, Charles F. R.

Torrington Manufacturing Company, The, assignee: *See*—
Halvorsen, Elmer W.

Townsend Engineering Company, assignee: *See*—
Townsend, Ray T.

Townsend, Ray T., assignor to Townsend Engineering Company, Des Moines, Iowa. Skinning machine. 2,455,831, Dec. 7.

Trantin, Jacob, Jr., Youngstown, Ohio. Hydraulic control valve. 2,455,625, Dec. 7.

Traut, William A., Wauwatosa, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Mechanical movement for converting rotary motion into reciprocating movement. 2,455,626, Dec. 7.

Treff, Alfred, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for straightening cans and the flanges thereof. 2,455,832, Dec. 7.

Troche, Herman J.: *See*—
Holan, James H., and Troche.

Trombetta, Louis, Bronx, N. Y. Clamping and knot tying instrument. 2,455,833, Dec. 7.

Troy Sunshade Company, The, assignee: *See*—
Bader, Harry J., and Daniel.

Trumbull Electric Manufacturing Company, The, assignee: *See*—
Getchell, Benjamin E.
Ohlson, Reynold A.

Tully, Charles F., San Diego, Calif. Condyle position indicating apparatus. 2,455,451, Dec. 7.

Tung-Sol Lamp Works Inc., assignee: *See*—
Weinhardt, Heinz H.

Udylite Corporation, The, assignee: *See*—
Brown, Henry.

Uhlmann, Hubert J., Grand Rapids, Mich. Film holding clip. 2,455,627, Dec. 7.

Ulrich, Bernhard, Jr., assignor to Bendix Aviation Corporation, South Bend, Ind. Snap action valve mechanism for expansible chamber motors with oscillating pistons. 2,455,628, Dec. 7.

United Device Corporation, assignee: *See*—
Sadowsky, Charles.

United Shoe Machinery Corporation, assignee: *See*—
Burby, Philip E.
Elliott, Harry D.
Hart, Fred V.
Lawson, Robert H.
Miller, Lloyd G.
Paulson, Hans C.

United States Rubber Company, assignee: *See*—
Clark, Edward H.

Unruh, Cornelius C.: *See*—
Kenyon, William O., and Unruh.

Ushakoff, Alexis E., Newton, Mass., assignor of thirty-five per cent to S. A. Baron, New Orleans, La., for the benefit of himself and F. A. Middleton. Inflatable solar still. 2,455,834, Dec. 7.

Ushakoff, Alexis E., Beverly, Mass., assignor of thirty-five per cent to S. A. Baron, New Orleans, La., for the benefit of himself, F. A. Middleton, and J. J. Finnorn. Inflatable solar still. 2,455,835, Dec. 7.

Vacuum Air Pressure Company Limited, assignee: *See*—
Bushby, David.

Vacuum Concrete, Inc., assignee: *See*—
Billner, Karl P.

Van Brummelen, Marinus, New York, N. Y. Box blank separator. 2,455,836, Dec. 7.

Van Eps, George, North Hollywood, Calif. Bridge. 2,455,452, Dec. 7.

Vanick, James S.: *See*—
Gagnebin, Albert P., Seigle, and Vanick.

Van Stone, Robert J., Rocky River, Ohio. Fender brace. 2,455,629, Dec. 7.

Varian, Russell H., Garden City, N. Y., assignor to The Sperry Corporation. Modulated wave modifying apparatus. 2,455,393, Dec. 7.

Varnum, Victor V., Tama, Iowa. Heating instrument. 2,455,453, Dec. 7.

Vickers-Armstrongs Limited, assignee: *See*—
Wallis, Barnes N.

Vinciguerra, Joseph F., Methuen, and W. C. Ford, Andover, Mass. Antirattle device for windows. 2,455,537, Dec. 7.

Von Soden, Adolph F., Los Angeles, Calif. Recording disk for sound and pictures. 2,455,712, Dec. 7.

Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of a sulfide catalyst. 2,455,713, Dec. 7.

Wagner, Frank, assignor to J. F. Helmold & Bro., Inc., Chicago, Ill. Making cutting tools. 2,455,538, Dec. 7.

Wahl, Eugene A., New York, N. Y., assignor to Allied Chemical & Dye Corporation. Joint construction. 2,455,539, Dec. 7.

Waldie, George A., Edison, Ohio, assignor to The Hydraulic Development Corporation, Wilmington, Del. Pump control means for hydraulic systems. 2,455,837, Dec. 7.

Waldie, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Flexible wrinkle finish and making. 2,455,540, Dec. 7.

Waldie, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Air dry wrinkle finish. 2,455,541, Dec. 7.

Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, Westminster, London, England. Airframe structure. 2,455,838, Dec. 7.

Walter, Zachary T., Los Angeles, Calif. Making a fire resistant laminated fabric. 2,455,454, Dec. 7.

Walton, Ernest R., Seattle, Wash. Finned electric air heater. 2,455,839, Dec. 7.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Garand, John C.
Sreb, Jules H.

Ward, Delbert J.: *See*—
Rechton, George D., Ward, and Watson.

Waterman, Wendell W., Cranford, and E. O. Ohsol, Rahway, N. J., assignors to Standard Oil Development Company. Coagulation of emulsion polymerizates. 2,455,714, Dec. 7.

Watson, Jack H.: *See*—
Rechton, George D., Ward, and Watson.

Watt, Andrew K., and A. B. Hays, Lansing, assignors to General Motors Corporation, Detroit, Mich. Feeding mechanism. 2,455,630, Dec. 7.

Webb, James S., Demopolis, Ala. Tree-felling saw attachment for tractors. 2,455,840, Dec. 7.

Webber, Hugh E., Williston Park, N. Y., assignor to The Sperry Corporation. Accelerometer. 2,455,394, Dec. 7.

Weber, Victor, Greensburg, and R. F. Garner, Youngwood, Pa., assignors to Robertshaw-Fulton Controls Company. Safety device for fuel burners. 2,455,542, Dec. 7.

Webster, Judith T., Boston, Mass. Ornamental hair fillet. 2,455,715, Dec. 7.

Wedge, Arthur F., Hartford, and H. T. Bidwell, Manchester, Conn., assignors to Colt's Manufacturing Company. Honing spindle. 2,455,841, Dec. 7.

Weeks, Walter L., Wyckoff, N. J., assignor to Wright Aeronautical Corporation. Automatically submerged sump pump. 2,455,717, Dec. 7.

Weichardt, Heinz H., New York, N. Y., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Electronic circuit control and relay therefor. 2,455,395, Dec. 7.

Weigel, Daniel M., Detroit, Mich. Power transmission mechanism. 2,455,842. Dec. 7.

Weinkauff, Oliver J., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing diacetyl. 2,455,631, Dec. 7.

Weir, Horace M., Wynnewood, Pa., assignor to The Davison Chemical Corporation, Baltimore, Md. Method and apparatus for production of gel bodies. 2,455,843, Dec. 7.

Weiss, Shirley I., New York, N. Y. Radio receiver. 2,455,716, Dec. 7.
Welborn, Thomas J., Lubbock, Tex. Closure lock. 2,455,844, Dec. 7.
Welding Research, Inc., assignee: *See*—
Sciaky, David.
Weller, Barton L., Richland, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Direct-current amplifier. 2,455,718, Dec. 7.
Wells, Edward P., Jacksonville, Fla. Rocket. 2,455,845, Dec. 7.
Wells, Joseph H.: *See*—
Wilson, Philip J., Jr., Wells, and Liebel.
West, John W., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coaxial leadin for electron discharge devices. 2,455,846, Dec. 7.
West, Paul B., Newark, N. J. Prefabricated concrete form. 2,455,455, Dec. 7.
Western Electric Company, Incorporated, assignee: *See*—
Moss, Earl C.
Prudhon, Glenn L., and Spikula.
Westinghouse Electric Corporation, assignee: *See*—
Kruck, Ralph E., and Grover.
Weyl, Woldemar A., and H. S. Williams, State College, Pa., dedicated, by mesne assignments, to the People of the United States of America. Glass manufacture. 2,455,719, Dec. 7.
Whitfield, Marshall G., and V. Sheshunoff, Garden City, assignors, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y. Coated metal article. 2,455,457, Dec. 7.
Whittaker, James L., Princeton, N. J., assignor to Radio Corporation of America. Three-dimensional oscillograph system. 2,455,456, Dec. 7.
Whittle, Frank, Rugby, assignor to Power Jets (Research and Development) Limited, London, England. Thrust augmenting device for a system for developing propulsive thrust. 2,455,458, Dec. 7.
Williams, Alan C., assignor to Franklin Transformer Manufacturing Company, Minneapolis, Minn. Capacitor testing instrument. 2,455,543, Dec. 7.
Williams, Alvin R., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Silicon electrical steel. 2,455,652, Dec. 7.
Williams, Charles, assignee: *See*—
Stallbaum, Charles F. R.
Williams, Helen S.: *See*—
Weyl, Woldemar A., and Williams.
Williams, Stanley V.: *See*—
Ransley, Charles E., and Williams.
Wilson, George V., and S. P. Darkins, Homestead, Pa. Tobacco can. 2,455,633, Dec. 7.
Wilson, Harry H., Jr.: *See*—
Tellier, Joseph C., and Wilson, Jr.
Wilson, John M.: *See*—
Beam, Vilynn O., and Wilson.
Wilson, Philip J., Jr., J. H. Wells, and C. R. Liebel, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Refining aromatic hydrocarbons. 2,455,634, Dec. 7.
Winther, Howard, Harrington Park, N. J., assignor to Nathan Manufacturing Company, New York, N. Y. Lubricating system for vehicles. 2,455,847, Dec. 7.
Witlin, Isadore B., Los Angeles, Calif.; W. B. Naythons, administrator of the estate of said I. B. Witlin, deceased, assignor to P. Raykoff, Los Angeles, Calif. Slipper with chenille surfacing. 2,455,459, Dec. 7.
Witte, Byron V., Birmingham, Ala. Waterproof pistol holster. 2,455,635, Dec. 7.
Woina, Benjamin A.: *See*—
Theil, Michael, and Woina.
Wood, Henry W.: *See*—
Kendall, John D., Suggate, and Wood.
Woodin, William H., Jr., assignee: *See*—
Soller, Walter.
Woolson, Harry T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Mine exploder. 2,455,636, Dec. 7.
Wright Aeronautical Corporation, assignee: *See*—
Browne, Kenneth A.
Sherwin, Frederick S.
Weeks, Walter L.
Wright, David I.: *See*—
Peterson, Eric O., Wright, and Heaton.
Wright, William C., D. G. Rowe, Jr., and E. F. Roberts, Hickory, N. C. Vulcanizing apparatus. 2,455,637, Dec. 7.
Wycliffe Foundry & Engineering Company Limited, assignee: *See*—
Barrett, Guy.
Yant, William P.: *See*—
Myers, Charles H., and Yant.
Yardeny, Michel N., New York, N. Y. Remote control with multiple-speed governor. 2,455,901, Dec. 7.
Yardeny, Michel N., and L. Kardorff, New York, N. Y.; said Kardorff assignor to said Yardeny. Combined clutch and brake. 2,455,900, Dec. 7.
Yonkers, John L., Northbrook, Ill. Pipe coupling. 2,455,544, Dec. 7.
Young, Carroll T., Westminster, Md. Calf feeder. 2,455,848, Dec. 7.
Young, Leonard P., Chester, Conn. Core insulator. 2,455,720, Dec. 7.
Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic unsharp masking method. 2,455,849, Dec. 7.
Zenner, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Rotary pump for liquefied gases. 2,455,460, Dec. 7.
Zenith Radio Corporation, assignee: *See*—
Knight, Cosler D.
Thompson, Robert T.
Zimmer, John C.: *See*—
Duncan, Gordon W., and Zimmer.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Front for bathroom cabinet or similar article. W. Fanelli and C. A. Laystrom. Re. 23,055, Dec. 7.
Telephone exchange system. G. Deakin. Re. 23,054, Dec. 7.
Telephone system, relay automatic. J. H. Voss. Re. 23,056, Dec. 7.

LIST OF PLANT INVENTIONS

Peach tree. L. Satterfield. 813, Dec. 7.

LIST OF DESIGN INVENTIONS

Airplane. P. M. Acosta. 151,948, Dec. 7.
Air travel bag and cosmetic case, Combined. E. N. Graham. 151,981, Dec. 7.
Alphabet for forming monograms or similar article. V. T. Howard. 151,993–4, Dec. 7.
Ash tray. L. A. Revell. 152,022, Dec. 7.
Automobile grille and bumper assembly or similar article, Combined. E. Macauley. 152,010, Dec. 7.
Bed. A. J. Buckner. 151,961, Dec. 7.
Bed, Baby. F. P. Davis. 151,969, Dec. 7.
Book end. D. Rego. 152,019, Dec. 7.
Boom, Camera. A. Crot. 151,966, Dec. 7.
Bottle. B. Lewis. 152,005, Dec. 7.
Box for cosmetics or the like. G. Band. 151,956, Dec. 7.
Broiler base. H. J. Taige. 152,043, Dec. 7.
Brooch or similar article. W. W. Hobé. 151,990–1, Dec. 7.
Brooch or similar article. V. Silson. 152,031, Dec. 7.
Brooch, Revolving, or similar article. A. Katz. 151,995, Dec. 7.
Brooch, Separable, or similar article. A. Katz. 151,996–9, Dec. 7.
Bumper engaging member for an automobile jack. R. Gambardella. 151,974, Dec. 7.
Cabinet. A. J. Buckner. 151,963, Dec. 7.
Cabinet, Combination refrigerator and cooler. T. H. Koeber. 152,001, Dec. 7.
Cabinet for shoe shining machines. C. E. Danielson. 151,968, Dec. 7.
Cabinet, Freezer chest. T. H. Koeber. 152,000, Dec. 7.
Camera, Box. A. H. Crapsey, Jr. 151,965, Dec. 7.
Camera, Photographic. J. O. Reinecke. 152,021, Dec. 7.
Can, Waste. B. F. Hamilton. 151,986, Dec. 7.
Carrier, Feed. S. A. Halls. 151,985, Dec. 7.
Case and mirror compartment or the like, Combined twin lipstick. E. N. Graham. 151,980, Dec. 7.
Case or similar article, Lipstick. W. H. Leavin. 152,003, Dec. 7.
Casing for shower valve. H. H. Logan. 152,007, Dec. 7.
Chair. J. B. Cunningham. 151,967, Dec. 7.
Chest and desk, Combined. D. B. and A. A. Allen. 151,949, Dec. 7.
Circular hassock and coffee table, Combination. G. C. Guertin. 151,984, Dec. 7.
Clock. B. Lerman. 152,004, Dec. 7.
Comb holder and wall cabinet, Combined. S. Strick. 152,039, Dec. 7.
Commode. A. J. Buckner. 151,962, Dec. 7.
Commode. A. J. Buckner. 151,964, Dec. 7.
Container, Cosmetic. P. L. Schluttig. 152,026–7, Dec. 7.
Control unit for return of condensate to boiler, Steam system. L. Tiller. 152,044, Dec. 7.
Creeper, Utility, with illuminator or the like. S. J. Lucas. 152,008, Dec. 7.
Crib, Collapsible. A. W. Kunz. 152,002, Dec. 7.
Desk unit. B. T. Bowers. 151,959, Dec. 7.
Dispenser, Cigarette. D. Volpe. 152,047, Dec. 7.
Dispenser for canned liquids. F. J. Strodel. 152,040, Dec. 7.
Dispensing unit, Dental. F. J. Hayman. 151,988, Dec. 7.
Display case for bottles or the like. L. Fine. 151,971, Dec. 7.
Duplicating machine. A. H. Geib. 151,975, Dec. 7.
Figurine and beverage set, Combination. Z. C. Gifford. 151,977, Dec. 7.
Fountain pen, Ball point. M. E. Hirsch. 151,989, Dec. 7.
Furniture base or similar article. G. H. Mildwoff. 152,013, Dec. 7.
Hanger, Garment. M. A. Glavies. 151,978, Dec. 7.
Harmonica, Fish type. S. Freimauer and J. Skoloff. 151,972, Dec. 7.
Hassock and coffee table, Combination. G. C. Guertin. 151,983, Dec. 7.
Head covering, Protective. B. J. Boeringer. 151,957, Dec. 7.
Heater, Water. J. W. Hauser. 151,987, Dec. 7.
Holder, Scouring pad. A. C. Weiss. 152,048, Dec. 7.
Jar, Glass. H. C. Gessler. 151,976, Dec. 7.
Jar or similar container. A. A. Baldocchi. 151,954, Dec. 7.
Journal box lid for railway cars. D. S. Barrows. 151,955, Dec. 7.
Kit, Accessory. S. G. Anderson. 151,950, Dec. 7.
Lamp. J. J. Stupka and J. Venekamp. 152,041, Dec. 7.
Lamp and mirror, Combined. P. E. Merrill and O. R. Titchenal. 152,012, Dec. 7.
Lock for handbags or the like. R. T. Sporman. 152,036, Dec. 7.
Necklace or similar article. A. Philippe. 152,016–17, Dec. 7.
Necklace or the like. H. Bogoff. 151,958, Dec. 7.
Oil drain or similar article, Extension. W. C. Moore. 152,015, Dec. 7.
Ornament, Christmas tree. E. J. Schwartzman. 152,028, Dec. 7.
Plane, Carpenter's. R. Gouirand. 151,979, Dec. 7.
Projector, Contour, or the like. J. T. Armbruster. 151,951, Dec. 7.
Protector for baby's shoe. V. L. Lyons. 152,009, Dec. 7.
Rack. Coat and hat. A. Stauber. 152,038, Dec. 7.
Radio cab. H. Sherry. 152,029, Dec. 7.
Renovator, Floor. H. G. Lilly. 152,006, Dec. 7.
Ring or the like. S. A. Reichmuth. 152,020, Dec. 7.
Roaster, Electric. C. W. Sunberg and M. Ferar. 152,042, Dec. 7.
Sandal base, Beach. A. B. Vickers. 152,046, Dec. 7.
Seat, Lawn. R. M. Rink. 152,023, Dec. 7.
Semi-trailer. E. Ellberg. 151,970, Dec. 7.
Separator, Ball-bearing. J. E. Sonnhalter. 152,035, Dec. 7.
Shirt or similar article. V. Zito. 152,051, Dec. 7.
Showcase. W. A. Yantis. 152,050, Dec. 7.
Skate sharpener and chain, Combined. M. J. McGoey. 152,011, Dec. 7.
Slip. N. Hochbaum. 151,992, Dec. 7.
Stamping machine, Hot. J. A. Stadler. 152,037, Dec. 7.
Stand, Flower. F. F. Solak. 152,034, Dec. 7.
Stand, Lamp. M. E. Miller. 152,014, Dec. 7.
Stocking. B. F. Playford. 152,018, Dec. 7.
Streamer toy. D. M. Smith. 152,033, Dec. 7.
Support for a sadiron. M. A. Rollman. 152,024, Dec. 7.
Sweater or similar article. M. W. Rosen. 152,025, Dec. 7.
Tank vehicle. G. A. Brasfield. 151,960, Dec. 7.
Tape or similar article. J. V. Granitto. 151,982, Dec. 7.
Toilet tissue, cabinet, and utility holder, Combination hanging corner. J. Zwart. 152,052, Dec. 7.
Tool, Pry-off type container cap removing. L. P. Fretto1oso. 151,973, Dec. 7.
Vending machine, Confection. G. Babcock. 151,952–3, Dec. 7.
Walker and stroller for children, Combination twin. J. R. Vibber. 152,045, Dec. 7.
Welder. A. U. Welch, Jr. 152,049, Dec. 7.
Whirling toy. D. M. Smith. 152,032, Dec. 7.
Writing instrument. I. Shupack. 152,030, Dec. 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorber for firearms, Recoil. H. E. Oppold. 2,455,438, Dec. 7.
Accelerometer. H. E. Webber. 2,455,394, Dec. 7.
Adapter attachment for indicator dials. J. F. Lively. 2,455,592, Dec. 7.
Adhesives. E. J. G. Bailey, F. M. Page, and J. C. McGowan. 2,455,392, Dec. 7.
Air circulating duct for two-temperature refrigerator cabinet. R. E. Kruck and E. E. Grover. 2,455,781, Dec. 7.
Air collet closer. C. Koolma. 2,455,586, Dec. 7.
Aircraft of rotory wing type. C. H. Kaman. 2,455,866, Dec. 7.
Airframe structure. B. N. Wallis. 2,455,838, Dec. 7.
Airway marker. J. Abiuso. 2,455,721, Dec. 7.
Alarm system, Capacity. M. H. A. Lindsay. 2,455,376, Dec. 7.
Alarm system for doors having a plurality of door panels operated in succession. E. A. Kohout. 2,455,780, Dec. 7.
Alkali metal salts of dicyanamide, Preparation of. D. E. Nagy and B. C. Redmon. 2,455,895, Dec. 7.
Alkaline detergent, Producing an. W. R. Bennett. 2,455,648, Dec. 7.
Alloys for making cast iron. A. P. Gagnebin, L. L. Seigle, and J. S. Vanick. 2,455,751, Dec. 7.
Alternate passage double ring cowl. G. S. Schairer. 2,455,385, Dec. 7.
Aluminum phosphate phosphor. H. C. Froelich and J. M. Margolis. 2,455,414, Dec. 7.
Ammoniacal cuprous solution, Regenerating spent. J. G. Dely. 2,455,473, Dec. 7.
Ammunition bandoleer, Machine gun. J. H. Beckman. 2,455,352, Dec. 7.
Amplifier, Band-pass. J. H. Ludwig. 2,455,510, Dec. 7.
Amplifier, Bidirectional high gain. G. C. Szikiai. 2,455,711, Dec. 7.
Amplifier, Direct-current. B. L. Weller. 2,455,718, Dec. 7.
Amplifier, High gain. C. D. Knight. 2,455,501, Dec. 7.
Anchor, Land. E. A. Oliver. 2,455,800, Dec. 7.
Antenna. G. H. Brown. 2,455,403, Dec. 7.
Antenna. G. H. Brown. 2,455,888, Dec. 7.
Antirattle device for windows. J. F. Vinciguerra and W. C. Ford. 2,455,537, Dec. 7.
Antiskid device for tires. C. Sadowsky. 2,455,878, Dec. 7.
Apparatus for forming irrigation mounds. G. C. Deakins. 2,455,566, Dec. 7.
Apparatus for heat-treating metal parts. H. F. Strom. 2,455,822, Dec. 7.
Apparatus for lacquer coating side seams of can bodies. R. A. Larson. 2,455,785, Dec. 7.
Apparatus for melting glass. G. Slayter. 2,455,907, Dec. 7.
Apparatus for pressing footwear as it is conveyed. E. H. Clark. 2,455,559, Dec. 7.
Apparatus for processing film. L. R. M. Dearing and I. B. Current. 2,455,357, Dec. 7.
Apparatus for straightening cans and the flanges thereof. A. Treff. 2,455,832, Dec. 7.
Apparatus for supervising heat generating means. E. C. Thomson. 2,455,536, Dec. 7.
Apparatus for the production of artificial filaments. R. W. Stanley. 2,455,530, Dec. 7.
Apparatus for treating cheese. O. F. Hensel. 2,455,579, Dec. 7.
Applicator for applying insulation to wire. P. V. Kessler and J. B. Moss. 2,455,499, Dec. 7.
Aqueous dispersions of polyvinyl butyral, Preparing. W. H. Bromley, Jr. 2,455,402, Dec. 7.
Arc welding within hydrocarbon oil. P. Peillon. 2,455,441, Dec. 7.
Aromatic derivatives, Sulfonated. J. R. Caldwell. 2,455,730, Dec. 7.
Arrangement for covering ship hulls. E. Loewenstein. 2,455,593, Dec. 7.
Arranging and brazing superposed commutator leads. C. F. Cobb, E. F. Brill, and J. R. Guenther. 2,455,560, Dec. 7.
Artificial sphincter and method. F. E. B. Foley. 2,455,859, Dec. 7.
Attachment for violins and analogous instruments. H. A. Feldman. 2,455,574, Dec. 7.
Automatically submerged sump pump. W. L. Weeks. 2,455,717, Dec. 7.
Axially shifting type, pedestal mounted tire removing machine. I. N. Hewitt. 2,455,580, Dec. 7.
Axis cone and shell mill, Vertical. R. F. Davis. 2,455,565, Dec. 7.
Axle, Trailer. F. F. Linn. 2,455,787, Dec. 7.

Baling press and baling method. S. S. Robinson, Jr. 2,455,442, Dec. 7.
Barrel lock. O. E. Rosengren. 2,455,608, Dec. 7.
Basin, Portable hair-rinsing. E. C. Price. 2,455,607, Dec. 7.
Battery box asphalt and making the same. W. E. Speilshouse and A. H. Boenau. 2,455,709, Dec. 7.
Bending and trimming machine, Automatic. R. H. Herman. 2,455,768, Dec. 7.
Bearing. A. S. Howell. 2,455,489, Dec. 7.
Beverages, Preparing carbonated. J. Kantor and E. F. Rosenberg. 2,455,681, Dec. 7.
Billfold and coin purse, Stitchless combined. L. Seamon. 2,455,527, Dec. 7.
Bin, Inclined. T. Shaw. 2,455,706, Dec. 7.
Blade and handle, Saw. O. Carlson. 2,455,853, Dec. 7.
Bobbin control for battery looms. G. F. Bahan. 2,455,463, Dec. 7.
Bobbin winder for sewing machines. S. Adler. 2,455,638, Dec. 7.
Boiler: *See*—
Fire and water tube boiler.
Book, Copy and practice. S. T. Bell. 2,455,353, Dec. 7.
Boot, Close-fitting. F. F. Olson. 2,455,801, Dec. 7.
Bourdon tube end cap. E. A. McCoy. 2,455,512, Dec. 7.
Box blank separator. M. Van Brummelen. 2,455,836, Dec. 7.
Brace, Fender. R. J. Van Stone. 2,455,629, Dec. 7.
Brassière. J. J. Lo Cascio. 2,455,788, Dec. 7.
Bridge. G. Van Eps. 2,455,452, Dec. 7.
Brush and crumber set. F. F. Monaco. 2,455,695, Dec. 7.
Buffing wheel. N. Kaplan. 2,455,680, Dec. 7.
Burner: *See*—
Perforated combustion tube distillate burner.
Burning carbonaceous fuels, Method and apparatus for. R. A. Sherman. 2,455,817, Dec. 7.
Cabinet: *See*—
Collapsible storage cabinet
Cable: *See*—
Electric cable.
Calcium phosphate phosphor. H. C. Froelich and J. M. Margolis. 2,455,413, Dec. 7.
Calf feeder. C. I. Young. 2,455,848, Dec. 7.
Can: *See*—
Tobacco can.
Can distributor, Automatic. T. C. Dodge. 2,455,741, Dec. 7.
Cap: *See*—
Bourdon tube end cap. Uniform cap.
Carbon set form. F. J. Hauer. 2,455,484, Dec. 7.
Carriage stop. R. A. Monkiewicz. 2,455,793, Dec. 7.
Carrier: *See*—
Fish carrier.
Case: *See*—
Motor vehicle carrying case.
Casting reel. K. Jellum. 2,455,495, Dec. 7.
Cathode assembly for electron discharge devices. J. A. Morton and L. J. Speck. 2,455,381, Dec. 7.
Cellulose ester compositions, Stabilized. R. M. Hitchens. 2,455,581, Dec. 7.
Cementer, Insole rib. H. C. Paulsen. 2,455,518, Dec. 7.
Center punch. E. F. Hager. 2,455,577, Dec. 7.
Centering device. O. I. Thanem. 2,455,827, Dec. 7.
Centering means for cathode-ray deflecting circuits. P. F. G. Holst and L. R. Kirkwood. 2,455,771, Dec. 7.
Centrifugal switch. J. H. Sreb. 2,455,620, Dec. 7.
Chain: *See*—
Drive or sprocket chain.
Chimney construction. C. C. Droeger. 2,455,570, Dec. 7.
Christmas tree holder. W. H. and W. S. Brown. 2,455,404, Dec. 7.
Chuck. J. Eaton. 2,455,663, Dec. 7.
Cigarette holder. W. L. Jackson. 2,455,492, Dec. 7.
Circuit: *See*—
Phase responsive control circuit. Ring circuit.
Radio receiver noise suppression circuit. Thermostat - controlled heater circuit.
Circuit arrangement for mixing oscillations. E. C. Cork, M. Bowman-Manifold, F. H. Gale, and R. Blythen. 2,455,657, Dec. 7.
Circuit breaker, Thermal. B. E. Getchell. 2,455,753, Dec. 7.
Circuit connecting members, Manufacture of plural. M. R. Hanna. 2,455,864, Dec. 7.
Circuit control and relay therefor, Electronic. H. H. Weichardt. 2,455,395, Dec. 7.
Circuit for electric testing apparatus, Limiter. F. A. Meunier. 2,455,792, Dec. 7.

Circular power saw, Manually guided two-wheeled portable. B. Kuykendall. 2,455,369, Dec. 7.
Citrus waste feed products, Making. J. M. Kuder. 2,455,782, Dec. 7.
Clamp: *See*—
Hose clamp. Outboard motor clamp.
Clamp. A. B. Michalenko. 2,455,598, Dec. 7.
Clamp. N. R. Schwartz. 2,455,444, Dec. 7.
Clasp, Strap-end attaching. A. Blumstein. 2,455,465, Dec. 7.
Clip: *See*—
Film holding clip. Paper clip.
Clip construction for billfolds, Reinforcement and spring. S. Miller. 2,455,515, Dec. 7.
Clip for coiling wire. D. H. King. 2,455,683, Dec. 7.
Closure. R. W. Barton. 2,455,645, Dec. 7.
Closure lock. T. J. Welborn. 2,455,844, Dec. 7.
Clothesline prop, Adjustable. J. E. Swalinkavich, Jr., and J. T. Donovan. 2,455,448, Dec. 7.
Clothesline structure. M. E. Seymour. 2,455,446, Dec. 7.
Clutch and brake, Combined. M. N. Yardeny and L. Kardorff. 2,455,900, Dec. 7.
Coagulation of emulsion polymerizates. W. W. Waterman and E. O. Ohsol. 2,455,714, Dec. 7.
Coating composition comprising a polychloroprene and a stripping agent, Strippable. C. G. Murphy and J. P. Sermattei. 2,455,855, Dec. 7.
Coating composition comprising a polychloroprene and aluminum powder, Strippable. G. E. Condé. 2,455,854, Dec. 7.
Coating composition comprising a polychloroprene and carbon black, Strippable. C. G. Murphy and J. P. Sermattei. 2,455,856, Dec. 7.
Coating machine. F. W. Love and C. E. McCormick. 2,455,428, Dec. 7.
Coatings, Enteric. C. J. Malm and G. D. Hiatt. 2,455,790, Dec. 7.
Coils for variometers, Making spherical. E. E. Combs. 2,455,355, Dec. 7.
Collapsible storage cabinet. E. H. Curtis. 2,455,739, Dec. 7.
Color separation images, Registration of. L. M. Condax. 2,455,735, Dec. 7.
Combine. M. Ronning and K. M. Keith. 2,455,905, Dec. 7.
Compositions comprising a polyvinyl chloride resin stabilized with ortho-sulfobenzimide. R. H. Schlattman. 2,455,611, Dec. 7.
Compositions comprising a polyvinyl chloride resin stabilized with the alkali metal salts and the alkaline earth metal salts of ortho-sulfobenzimide. R. H. Schlattman. 2,455,612, Dec. 7.
Compositions comprising a polyvinyl chloride resin stabilized with the dialkyl tin salts of ortho-sulfobenzimide. R. H. Schlattman. 2,455,613, Dec. 7.
Compositions comprising a polyvinyl chloride resin stabilized with the lead salt of ortho-sulfobenzimide. R. H. Schlattman. 2,455,614, Dec. 7.
Concealed post support. W. H. Pleiss. 2,455,606, Dec. 7.
Concrete form, Prefabricated. P. B. West. 2,455,455, Dec. 7.
Condensation products from ketones and aralkyl organic compounds and producing the same. A. B. Bakalar. 2,455,643, Dec. 7.
Condiment. A. Fonyo. 2,455,749, Dec. 7.
Construction of fields for playing golf. M. B. Reach. 2,455,806, Dec. 7.
Container: *See*—
Dispensing container. Tongueless tearing strip container.
Powder dispensing container.
Container for merchandise, Shadow box. R. E. Murphy. 2,455,795, Dec. 7.
Container sealer, Individual. E. E. Anderson. 2,455,461, Dec. 7.
Control apparatus for molding presses. J. A. Tauber and H. A. Heiligman. 2,455,823, Dec. 7.
Control device. V. O. Beam. 2,455,350, Dec. 7.
Control for airplanes. C. R. Jamison. 2,455,584, Dec. 7.
Control for Axminster looms, Driving. C. R. Kronoff and V. F. Sepavich. 2,455,502–4, Dec. 7.
Control for gaseous fuel burners, Safety. H. W. Rice and G. B. Solovieff. 2,455,521, Dec. 7.
Control grid for electric discharge devices and making same. A. R. Koch. 2,455,868, Dec. 7.
Control means for air conditioning apparatus. H. O. Kirkpatrick. 2,455,421, Dec. 7.
Control of alternating current motors. R. B. Hunter. 2,455,491, Dec. 7.
Control of selectors over communication channels by storage controlled transmitters. W. M. Bacon. 2,455,724, Dec. 7.
Converter, Mercury-vapor electric. R. Neirynck. 2,455,602, Dec. 7.
Copolymers of 1-acyloxy-1,3-butadienes and acrylonitrile. W. O. Kenyon and C. C. Unruh. 2,455,778, Dec. 7.
Correction device for electronic function generators. M. L. Groenough. 2,455,672, Dec. 7.
Coupling: *See*—
Pipe coupling.
Coupling. J. A. Maul and W. P. Lautzenheiser. 2,455,870, Dec. 7.
Coupling for high-pressure tubing. G. E. Franck. 2,455,667, Dec. 7.
Cradle for bass viols or other stringed instruments. W. C. Stenger. 2,455,821, Dec. 7.
Crop gathering mechanism for combines. M. Ronning and K. M. Keith. 2,455,906, Dec. 7.
Cup finishing apparatus. W. H. Emerson. 2,455,744, Dec. 7.
Cuprammoniacal petroleum mahogany sulfonates. L. Liberthson. 2,455,687, Dec. 7.
Curtain and drape mounting. V. Fiorentino. 2,455,576, Dec. 7.
Curtain stretcher. C. F. Ashbaugh. 2,455,640, Dec. 7.
Cutout, Electrical. W. O. Schultz. 2,455,704, Dec. 7.
Damping follow-up mechanism by degenerative derivative. F. H. Shepard, Jr. 2,455,618, Dec. 7.
Dental unit, Pocket prophylaxis. M. J. and L. F. Molumby. 2,455,600, Dec. 7.
Depositing nonreflective films and composition therefor. P. King. 2,455,367, Dec. 7.
Destroyer, Mine. J. L. Bisch. 2,455,354, Dec. 7.
Detector and indicator for bowling alleys, Foul. P. M. Smith. 2,455,909, Dec. 7.
Device for administering anaesthetics. E. S. Graybeal. 2,455,757, Dec. 7.
Device for inspecting blood circulation. W. Ryan. 2,455,810, Dec. 7.
Device for repointing twist drills. D. Crowther. 2,455,562, Dec. 7.
Device for slicing eggs into layers. J. W. Harbanoff. 2,455,416, Dec. 7.
Device for tempering steam. W. C. Glover, Jr. 2,455,754, Dec. 7.
Device for truing and sharpening dough cutters. S. C. Kenyon. 2,455,585, Dec. 7.
Diacetyl, Producing. O. J. Weinkauff. 2,455,631, Dec. 7.
Di (alkenyl carbonato) aromatic compounds and polymers thereof. J. A. Bralley and F. B. Pope. 2,455,653, Dec. 7.
Diaphragm pump. H. F. Hadley. 2,455,480, Dec. 7.
Dimpling mandrel. H. R. Fischer. 2,455,903, Dec. 7.
Disk for sound and pictures, Recording. A. F. von Soden. 2,455,712, Dec. 7.
Dispensing container. L. Hermani. 2,455,769, Dec. 7.
Dispensing container. C. M. Lehman. 2,455,685, Dec. 7.
Distance determining system. W. R. Mercer. 2,455,693, Dec. 7.
Distance selective system. C. W. Hansell. 2,455,673, Dec. 7.
Distillation process, Extractive. G. J. Pierotti. 2,455,803, Dec. 7.
Door check. J. W. Holman. 2,455,488, Dec. 7.
Drive or sprocket chain. V. J. Tenety. 2,455,624, Dec. 7.
Driving belt, Laminated. H. Brammer. 2,455,400, Dec. 7.
Driving mechanism for knitting needles. J. P. Lindholm. 2,455,375, Dec. 7.
Duplicating machine, Automatic. R. D. Shaw. 2,455,882, Dec. 7.
Dyestuff, Cyanine. J. D. Kendall, H. G. Suggate, and H. W. Wood. 2,455,420, Dec. 7.
Electric branding iron. C. E. Farrar. 2,455,410, Dec. 7.
Electric cable. R. A. Johnson. 2,455,773, Dec. 7.
Electric lamp. R. B. Thomas and M. D. Betts. 2,455,829, Dec. 7.
Electric pressure strain gauge. L. D. Statham. 2,455,883, Dec. 7.
Electrical apparatus for loud speaker systems. W. O. Crane. 2,455,471, Dec. 7.
Electrically operated generator. H. B. Jaynes. 2,455,494, Dec. 7.
Electrode and envelope structure for electric discharge devices, Improved. J. E. Beggs. 2,455,851, Dec. 7.
Electrodeposition of copper. H. Brown. 2,455,554, Dec. 7.
Electrodeposition of nickel from an acid bath. H. Brown. 2,455,555, Dec. 7.
Electrolytic stripping and determination of plating metal. G. H. Bendix. 2,455,726, Dec. 7.
Electromagnet with pivotally mounted armature. L. H. Matthias. 2,455,690, Dec. 7.
Engine: *See*—
Internal-combustion engine.
Engine construction. L. W. Beaven. 2,455,647, Dec. 7.
Engines and the like, Beating. A. G. Stewart. 2,455,622, Dec. 7.
Estrogenic substances. R. C. Tallman and A. H. Stuart. 2,455,535, Dec. 7.
Ethylene glycoltetrachlorophthalate resins, Modified wax-compatible. B. W. Nordlander and W. E. Cass. 2,455,873, Dec. 7.
Excavator. E. A. Drott and J. H. Kerber. 2,455,474, Dec. 7.
Exercising machine. J. D. Bell. 2,455,548, Dec. 7.
Exhaust manifold. H. Jacobs. 2,455,493, Dec. 7.
Explosively actuated tool. R. Temple. 2,455,826, Dec. 7.
Extruding irregularly shaped carbon rods. E. L. Luáces. 2,455,509, Dec. 7.
Fabric, Making a fire resistant laminated. Z. T. Walter. 2,455,454, Dec. 7.
Fastener: *See*—
Stove pipe fastener.
Fastening apparatus, Explosively actuated. R. Temple. 2,455,825, Dec. 7.
Fastening inserting machine. R. H. Lawson. 2,455,370, Dec. 7.
Feeder: *See*—
Calf feeder.
Feeding mechanism. A. K. Watt and A. B. Hays. 2,455,630, Dec. 7.

Fence charger, Electrical. E. K. Malme. 2,455,511, Dec. 7.
Filling apparatus, Receptacle-movement controlled. G. L. Ardron. 2,455,723, Dec. 7.
Film holding clip. H. J. Uhlmann. 2,455,627, Dec. 7.
Filter: *See*—
Rotary filter.
Filter and circulator, Electrostatic air. G. W. Crise. 2,455,738, Dec. 7.
Finned electric air heater. E. R. Walton. 2,455,839, Dec. 7.
Fire and water tube boiler. C. F. R. Stallbaum. 2,455,621, Dec. 7.
Firearm receiver. C. H. Barnes. 2,455,644, Dec. 7.
Fire detecting apparatus. V. O. Beam and J. M. Wilson. 2,455,351, Dec. 7.
Fish carrier. J. W. Harvey. 2,455,766, Dec. 7.
Fish net hanger. J. W. Harvey. 2,455,765, Dec. 7.
Flame treatment of substantially cylindrical internal surfaces such as bores. A. E. Shorter. 2,455,447, Dec. 7.
Fleshing tool. A. C. Lamy. 2,455,505, Dec. 7.
Floor covering. J. R. Jones. 2,455,777, Dec. 7.
Food product. E. Lilly. 2,455,508, Dec. 7.
Forceps, Wire applying. B. V. Scheib. 2,455,609, Dec. 7.
Forming material. G. D. Rechton, D. J. Ward, and J. H. Watson. 2,455,702, Dec. 7.
Fractionation in presence of radiant energy. C. H. Schlesman. 2,455,812, Dec. 7.
Freezer, Pressure type. H. W Kleist 2,455,867, Dec 7
Fuel injection pump. H. C. Edwards. 2,455,571, Dec. 7.
Furnace: *See*—
Metal furnace.
Fuse. H. J. Nichols. 2,455,603, Dec. 7.
Game, Sailing. J. C. Powers, Jr. 2,455,519, Dec. 7.
Garment. T. Kotzin. 2,455,588, Dec. 7.
Garment combination, Infant's sleeping. L. L. Steigerwald. 2,455,884, Dec. 7.
Gauge: *See*—
Electric pressure strain gauge.
Shock gauge.
Varilength tandem self-aligning gauge.
Saw gauge.
Gauge circuits, Ionization. G. R. Nagel and M. E. Johnson. 2,455,437, Dec. 7.
Gauge for checking the centerline of elongate parts. E. C. Moss. 2,455,516, Dec. 7.
Gear: *See*—
Reverse gear.
Reversing gear.
Gearing, Antifriction worm. H. S. Hoffar. 2,455,487, Dec. 7.
Gel bodies, Method and apparatus for production of. H. M. Weir. 2,455,843, Dec. 7.
Gel catalyst. M. J. See and J. C. Baillie. 2,455,445, Dec. 7.
Gel manufacture. L. T. Hartlove. 2,455,764, Dec. 7.
Generator: *See*—
Electrically operated generator.
Time base sweep and intensifier pulse generator.
Harmonic generator.
Generating complex signals, Method and system for electronically. H. C. Curl and J. D. Kleinkauf. 2,455,472, Dec. 7.
Glass fibers, Making. G. Slayter. 2,455,908, Dec. 7.
Glass holding device. J. T. Miller. 2,455,599, Dec. 7.
Glass manufacture. W. A. Weyl and H. S. Williams. 2,455,719, Dec. 7.
Golf instructor. A. D. Sheffer. 2,455,707, Dec. 7.
Golf tee. J. C. Seager. 2,455,705, Dec. 7.
Grain blender. E. R. Evans. 2,455,572, Dec. 7.
Greases and making the same, Lubricating. H. M. Fraser. 2,455,892, Dec. 7.
Grenade launcher. J. C. Garand. 2,455,361, Dec. 7.
Grinder, Pipe. R. P. Dorian. 2,455,742, Dec. 7.
Grinder, Pipe. O. R. Hall. 2,455,762, Dec. 7.
Grinding wheel. L. H. Metzger, W. B. Muse, and F. J. Pease. 2,455,597, Dec. 7.
Guard for fastening inserting machines, Driver. R. H. Lawson. 2,455,371, Dec. 7.
Gun sight reticule producing apparatus, Portable. S. P. Leeper. 2,455,372, Dec. 7.
Hair fillet, Ornamental. J. T. Webster. 2,455,715, Dec. 7.
Halogenated pyran compounds and production thereof. D. G. Jones and J. G. M. Bremner. 2,455,776, Dec. 7.
Handle for portable blowers. C. W. Lanter. 2,455,786, Dec. 7.
Handling apparatus. K. P. Billner. 2,455,650, Dec. 7.
Hanger: *See*—
Fish net hanger.
Sash hanger.
Hanger and necktie rack, Combined coat. W. R. Grant. 2,455,478, Dec. 7.
Harmonic generator. J. C. Tellier and H. H. Wilson, Jr. 2,455,824, Dec. 7.
Hat. H. Shrager and B. Shinberg. 2,455,619, Dec. 7.
Heater: *See*—
Finned electric air heater.
Steam injection type water heater.
Helmet. C. H. Myers and W. P. Yant. 2,455,797, Dec 7.
Holder: *See*—
Christmas tree holder.
Sack holder.
Cigarette holder.
Shoe holder.
Holder. J. E. Donaldson. 2,455,857, Dec. 7
Holster, Waterproof pistol. B. V. Witte. 2,455,635, Dec. 7.
Hose clamp. G. Gustafson. 2,455,760, Dec. 7.
Hot-water system supply, Temperature limiting. H. Krauss. 2,455,590, Dec. 7.
Hydraulic control valve. J. Trantin, Jr. 2,455,625, Dec. 7.
Hydraulic jack. H. E. Page. 2,455,440, Dec. 7.
Hydraulic mechanism for synchronizing a plurality of prime movers with a master prime mover. J. A. Spanogle. 2,455,390, Dec. 7.
Hydroaromatic sulfonates and their preparation. H. Schindler. 2,455,811, Dec. 7.
Hydrocarbons and regeneration of synthesis catalyst, Synthesis of. E. A. Johnson. 2,455,419, Dec. 7.
Hydrocarbons, Refining aromatic. P. J. Wilson, Jr., J. H. Wells, and C. R. Liebel. 2,455,634, Dec. 7.
Ice tray and slip surface flexible grid. H. Y. Jennings. 2,455,366, Dec. 7.
Ignition system for internal-combustion engines. M. Mallory. 2,455,594, Dec. 7.
Implement control means for tractor mounted agricultural implements. E. V. Bunting. 2,455,727, Dec. 7.
Indicating apparatus, Condyle position. C. F. Tully. 2,455,451, Dec. 7.
Indicator: *See*—
Light responsive displacement indicator.
Tire deflation indicator.
Indicator device for film strip, Position. H. L. Fitch. 2,455,748, Dec. 7.
Indicator utilizing doppler effect, Ground speed. E. I. Anderson. 2,455,639, Dec. 7.
Inductance unit. E. O. Peterson, D. I. Wright, and H. T. Heaton. 2,455,875, Dec. 7.
Instrument, Clamping and knot tying. L. Trombetta. 2,455,833, Dec. 7.
Instrument, Heating. V. V. Varnum. 2,455,453, Dec. 7.
Insulation cutting tool. W. S. Lindsay. 2,455,591, Dec. 7.
Insulator, Core. L. P. Young. 2,455,720, Dec. 7.
Interferometric light valve. H. Harrison. 2,455,763, Dec. 7.
Internal-combustion engine. R. J. Johnston and A. R. Novotney. 2,455,775, Dec. 7.
Iron: *See*—
Electric branding iron.
Iron in order to obtain a clean metallic surface, Treatment of. F. A. R. Franchi. 2,455,411, Dec. 7.
Iron oxide-alkali metal ferrate catalyst and its preparation. M. A. Moseman. 2,455,696, Dec. 7.
Jack: *See*—
Hydraulic jack.
Jack with ram locking means, Fluid. H. E. Page. 2,455,439, Dec. 7.
Jig, Adjustable drill. A. W. Meyer. 2,455,871, Dec. 7.
Joint construction. E. A. Wahl. 2,455,539, Dec. 7.
Knife sharpening kit. W. J. Girard. 2,455,477, Dec. 7.
Lakes of basic dyestuffs. W. E. Ness. 2,455,898, Dec. 7.
Lamp: *See*—
Electric lamp.
Lasting machine. L. G. Miller. 2,455,694, Dec. 7.
Lasting shoes, Method for use in. P. E. Burby. 2,455,467, Dec. 7.
Leadin for electron discharge devices, Coaxial. J. W. West. 2,455,846, Dec. 7.
Lead salt stabilizers for vinyl halide resins, Organic. M. M. Safford. 2,455,879, Dec. 7.
Lead silanolate stabilizers for vinyl halide resins. M. M. Safford and E. L. Mincher. 2,455,880, Dec. 7.
Lens correction device, Electron. J. Hillier. 2,455,676, Dec. 7.
Leveling machine. F. V. Hart. 2,455,482, Dec. 7.
Light for automobiles, Stop. C. J. Montenotte. 2,455,794, Dec. 7.
Light for vehicles, Oscillating warning. J. D. Kennelly. 2,455,497, Dec. 7.
Light holder for pianos, Fluorescent. H. Nicolaysen. 2,455,798, Dec. 7.
Light responsive displacement indicator. D. E. Sunstein. 2,455,532, Dec. 7.
Light stable compositions comprising polymeric vinylidene chloride and 2-hydroxy-5-chloro-benzophenone-2'-carboxylic acid. C. B. Havens. 2,455,674, Dec. 7.
Lighter construction, Cigar. W. I. Nissen. 2,455,698, Dec. 7.
Liquid filtration. R. V. Hicks. 2,455,486, Dec. 7.
Loading and packaging device. M. Matsen and E. R. Jones. 2,455,433, Dec. 7.
Lock: *See*—
Barrel lock.
Closure lock.
Locking device for gates. J. Jackle. 2,455,772, Dec. 7.
Loom bumper. M. H. Holcombe. 2,455,418, Dec. 7.
Lubricating system for vehicles. H. Winther. 2,455,847, Dec. 7.
Luggage, Reinforced. M. Gerson. 2,455,861, Dec. 7.
Machine for and method of cutting blooms and the like. R. J. Scovill, Jr. 2,455,615, Dec. 7.
Machine for applying tape to shoe parts. H. D. Elliott. 2,455,359, Dec. 7.
Machine for handling and preparing oysters. Z. G. Hawk. 2,455,675, Dec. 7.
Machine for shearing green corn from the cob, including an annular rotary cutter. F. C. Thames. 2,455,449, Dec. 7.
Machine for testing and marking parts magnetically. A. J. Newman. 2,455,874, Dec. 7.

Machine tool. W. W. Potter and A. J. Fuller. 2,455,876, Dec. 7.
Magnesia rock, and purification of magnesium carbonate, Working up of. R. A. Schoenlaub. 2,455,813, Dec. 7.
Means for transforming volcanic rock. J. L. Fournier. 2,455,666, Dec. 7.
Measuring instrument having an adjustable scale. H. C. Houser. 2,455,865, Dec. 7.
Mechanical movement for converting rotary motion into reciprocating movement. W. A. Traut. 2,455,626, Dec. 7.
Mechanism and controls for controllable aircraft propellers: complete propeller with automatic controls. H. M. McCoy. 2,455,378, Dec. 7.
Mechanism for firearms, Flexible sear. A. H. Thompkins. 2,455,830, Dec. 7.
Mechanism for supplying steam and heated air to spotting machines. W. C. Glover, Jr. 2,455,756, Dec. 7.
Medicinal composition for hemorrhagic conditions. S. Ansbacher and E. Fernholz. 2,455,398, Dec. 7.
Mercaptans and disulfides, Production of commercially pure. S. P. Cauley. 2,455,656, Dec. 7.
Mercury-treated charcoal catalyst and its preparation. L. F. Salisbury. 2,455,881, Dec. 7.
Metal article, Coated. M. G. Whitfield and V. Sheshunoff. 2,455,457, Dec. 7.
Metal closures to containers, Attaching. J. Coyle. 2,455,737, Dec. 7.
Metal cross bridging. E. C. Meulenbergh. 2,455,904, Dec. 7.
Metal furnace. J. L. Stroman. 2,455,531, Dec. 7.
Meteorological balloon. F. A. Caspar. 2,455,469, Dec. 7.
Milling attachment for lathes. C. W. Dyer. 2,455,662, Dec. 7.
Mine exploder. H. T. Woolson. 2,455,636, Dec 7.
Mineral binder, Preparing a. H. H. Greger. 2,455,758, Dec. 7.
Mineral oil composition. E. W. Fuller and H. S. Angel. 2,455,668, Dec. 7.
Mineral products, Manufacture of synthetic. W. Diterichs. 2,455,358, Dec. 7.
Mirror, Glare reducing rear-vision. J. H. Sherts. 2,455,818, Dec. 7.
Modulator, Double balanced. H. T. Carter. 2,455,732, Dec. 7.
Modulator system for keying, Transientless. F. H. Shepard, Jr. 2,455,616, Dec. 7.
Molding machine, Block. J. W. Briscoe. 2,455,553, Dec. 7.
Monochloroacetic acid, Preparation of. L. A. Burrows and M. F. Fuller. 2,455,405, Dec. 7.
Motor damping circuits, Harmonic two-phase. E. H. Schmidt, Jr. 2,455,610, Dec. 7.
Motor vehicle carrying case. A. Konrad. 2,455,587, Dec. 7.
Mounting: *See*—
Curtain and drape mounting.
Shockproof mounting.
Mounting and drive wheel suspension for motorcycles, Engine. R. A. MacGregor. 2,455,431, Dec. 7.
Mounting system for elements of television projectors. D. W. Epstein. 2,455,476, Dec. 7.
Navigation instrument, Calculating and aerial. W. D. Cockrell. 2,455,902, Dec. 7.
Neoprene, Vulcanization of. P. F. Niessen. 2,455,697, Dec. 7.
Nickel chromium tungsten composite metal body and making same. C. E. Ransley and S. V. Williams. 2,455,804, Dec. 7.
Nitriles, Preparation of. N. M. Bortnick. 2,455,651, Dec. 7.
Nitriles, Stabilization of unsaturated. K. E. Marple and B. Borders. 2,455,689, Dec. 7.
Nitroparaffins, Production of. N. Levy, C. W. Scaife, and D. S. T. Bryson. 2,455,425, Dec. 7.
Nuclear-chlorinated bis-phenols by steam distillation, Purifying. L. F. Reuter. 2,455,703, Dec. 7.
Nuclear halogenated 4,4'-bis-(alkenyl carbonato) diphenyl alkanes and polymers thereof. J. A. Bralley and F. B. Pope. 2,455,652, Dec. 7.
Objective of low index glass with negative components of high curvature. M. Reiss. 2,455,808, Dec. 7.
Oil-in-water emulsions, Production of. A. B. Steiner. 2,455,820, Dec. 7.
Oils and manufacture, Solidified. A. Beerbower and H. A. Ricards, Jr. 2,455,649, Dec. 7.
Oils, Distillation of acid-treated. M. C. K. Jones and E. C. Eulhardt. 2,455,679, Dec. 7.
Oily composition. G. W. Duncan and J. C. Zimmer. 2,455,659, Dec. 7.
Oleaginous tissue material, Rendering. L. H. Libby and L. F. Henderson. 2,455,374, Dec. 7.
1-aryl, 5-alkyl, biguanides. D. E. Nagy. 2,455,896, Dec. 7.
1,5-diarylbiguanides from aromatic amines and dicyanimide. D. E. Nagy. 2,455,897, Dec. 7.
1-mono-and 1,2-disubstituted-3-cyanoguanidines, Production of. H. Z. Lecher, R. P. Parker and R. S. Long. 2,455,894, Dec. 7.
Opener, Bottle. E. Geh. 2,455,752, Dec. 7.
Opener, Can and bottle. T. Kasbouras. 2,455,496, Dec. 7.
Operating mechanism, Cowl flap. L. F. Engelhardt. 2,455,858, Dec. 7.
Operating separately excited direct-current motors. U. Krabbe. 2,455,869, Dec. 7.
Optical rectification for motion-picture apparatus and the like. B. E. Luboshez. 2,455,789, Dec. 7.
Organic nitrogen compounds and obtaining same. R. R. Adams and H. S. Mosher. 2,455,396, Dec. 7.
Oscillograph system, Three-dimensional. J. L. Whittaker. 2,455,456, Dec. 7.
Outboard motor clamp. P. M. Haller. 2,455,578, Dec. 7.
Package and cabinet for frozen foods. M. Rifkin. 2,455,809, Dec. 7.
Pants, Ski. P. Haberfeld. 2,455,479, Dec. 7.
Paper clip. H. P. Botts. 2,455,399, Dec. 7.
Pasteurizing system. R. E. Olson. 2,455,605, Dec. 7.
Pectin product, Making a. R. C. Nelson. 2,455,382, Dec. 7.
Pencil, Mechanical. W. D. Mease. 2,455,596, Dec. 7.
Pendant, Luminous. J. A. Kelly. 2,455,893, Dec. 7.
Percolator, Coffee. D. E. Dunlop. 2,455,660, Dec. 7.
Perforated combustion tube distillate burner. G. Z. Levine. 2,455,424, Dec. 7.
Petroleum oils and waxes, Deodorizing. F. M. Graves. 2,455,670, Dec. 7.
Phase responsive control circuit. J. G. Beard, R. W. Harralson, and A. Kreithen. 2,455,646, Dec. 7.
Phonograph recording and reproducing mechanism, Combination. G. P. Brubaker. 2,455,466, Dec. 7.
Phonographic device. H. L. Shortt. 2,455,529, Dec. 7.
Photographic unsharp masking method. J. A. C. Yule. 2,455,849, Dec. 7.
Pickup and volume control, Microphone. H. De Armond. 2,455,567, Dec. 7.
Pickup unit for stringed instruments. C. L. Fender and C. O. Kauffman. 2,455,575, Dec. 7.
Pin pickup and holder. M. M. Leslie. 2,455,506, Dec. 7.
Pipe and lighter, Combined smoking. P. T. Ireson. 2,455,583, Dec. 7.
Pipe coupling. E. M. Dons and J. V. Stevens. 2,455,658, Dec. 7.
Pipe coupling. J. L. Yonkers. 2,455,544, Dec. 7.
Pipe reducer, Soil. W. J. Collison. 2,455,470, Dec. 7.
Piston expander. D. Bushby. 2,455,728, Dec. 7.
Plate, Feed. J. L. Fonville and A. E. Barneycastle. 2,455,412, Dec. 7.
Plate, Grounding pole. C. A. Badeau and J. B. Clapp. 2,455,641, Dec. 7.
Plateholder for photographic apparatus. M. Schwartz and W. Castedello. 2,455,814, Dec. 7.
Plate, Safety electric wall. C. L. Hoessel. 2,455,582, Dec. 7.
Polymeric beta, gamma-olefinic alcohols, Production of. D. E. Adelson and H. F. Gray, Jr. 2,455,722, Dec. 7.
Polymerization process, Low-temperature. W. W. Ford and F. D. Thiel. 2,455,665, Dec. 7.
Polymers, Manufacture of high molecular weight. A. D. Green. 2,455,671, Dec. 7.
Polystyrene-mineral oil extract plastic composition. E. W. M. Fawcett, A. Millien, and N. Mulhern. 2,455,890, Dec. 7.
Portable projector table. H. L. Daniels. 2,455,408, Dec. 7.
Potassium tetraborate and sodium tetraborate, Manufacturing. F. H. May. 2,455,595, Dec. 7.
Powder dispensing container. L. Hermani. 2,455,770, Dec. 7.
Power transmission. I. C. Jennings. 2,455,678, Dec. 7.
Power transmission mechanism. D. M. Weigel. 2,455,842, Dec. 7.
Primers, Manufacturing. L. T. Meister. 2,455,380, Dec. 7.
Printing plate whirler. F. A. Hacker. 2,455,761, Dec. 7.
Projector and cap exploder, Elastic band. T. F. Burton. 2,455,558, Dec. 7.
Puller: *See*—
Well cylinder valve puller.
Pulse signaling, Ultrasonic. S. D. Eilenberger. 2,455,475, Dec. 7.
Pump: *See*—
Automatically submerged sump pump.
Fuel injection pump.
Turbine pump.
Diaphragm pump.
Pump control means for hydraulic systems. G. A. Waldie. 2,455,837, Dec. 7.
Pump for liquefied gases, Rotary. G. H. Zenner. 2,455,460, Dec. 7.
Punch sheet records. W. G. Read. 2,455,384, Dec. 7.
Rack: *See*—
Storage rack.
Radiator, Portable electric steam. P. S. Malickson. 2,455,688, Dec. 7.
Radio receiver. S. I. Weiss. 2,455,716, Dec. 7.
Radio receiver noise suppression circuit. R. T. Thompson. 2,455,450, Dec. 7.
Razor, Safety. O. Rasmussen. 2,455,877, Dec. 7.
Reaction products of tertiary organic hydroperoxides with aldehydes or ketones. F. H. Dickey. 2,455,569, Dec. 7.
Reducing disengaging height in fluidized powder systems. G. D. Creelman. 2,455,561, Dec. 7.
Reel: *See*—
Casting reel.
Reel for tape measures, Winding. L. R. Smith. 2,455,819, Dec. 7.
Refrigerating system, Two-temperature. L. W. Atchison. 2,455,850, Dec. 7.
Refrigerating unit for vehicles. P. R. Brause. 2,455,401, Dec. 7.
Refrigerator, Cylindrical domestic. W. L. Morrison. 2,455,872, Dec. 7.

Relay for reliable operation with definite excitation. H. Perret. 2,455,699, Dec. 7.
Remote control for displaceable objects. C. H. Dederick. 2,455,568, Dec. 7.
Remote control with multiple-speed governor. M. N. Yardeny. 2,455,901, Dec. 7.
Rendering textile material water repellent, and the product. P. J. Ariente and H. C. Allen. 2,455,886, Dec. 7.
Resilient article, Self-supporting. G. E. Gagnier. 2,455,669, Dec. 7.
Resinous condensates of β-propionolactone and polyhydroxy compounds. J. R. Caldwell. 2,455,731, Dec. 7.
Reticulated structure and making the same. A. Talalay. 2,455,534, Dec. 7.
Reverse gear. F. W. Harris. 2,455,481, Dec. 7.
Reversing gear. G. Barrett. 2,455,547, Dec. 7.
Ringer circuit. O. A. Shann. 2,455,386, Dec. 7.
Rocket. E. P. Wells. 2,455,845, Dec. 7.
Rod clamp tool. B. F. Burner. 2,455,557, Dec. 7.
Rotary filter. G. D. Dickey. 2,455,409, Dec. 7.
Round straightener. J. B. Sutton. 2,455,391, Dec. 7.
Rubber, Accelerating vulcanization of. R. B. Seymour. 2,455,528, Dec. 7.
Sack holder. L. Byers. 2,455,729, Dec. 7.
Safety and sound-producing device for radiators, Combined. J. A. Swindle. 2,455,533, Dec. 7.
Safety device for fuel burners. V. Weber and R. F. Garner. 2,455,542, Dec. 7.
Sash hanger. E. F. Barber. 2,455,546, Dec. 7.
Saw attachment for tractors, Tree-felling. J. S. Webb. 2,455,840, Dec. 7.
Saw, Bone. G. V. Carroll. 2,455,655, Dec. 7.
Saw gauge. E. J. Bartell. 2,455,464, Dec. 7.
Saw machine, Automatic band. C. B. Lansing. 2,455,423, Dec. 7.
Scoring device for table tennis. H. H. Kucks. 2,455,422, Dec. 7.
Screen for gyratory sifters, screens, or bolting equipment. P. Pickard. 2,455,383, Dec. 7.
Screens, Manufacture of mosaic. J. D. McGee. 2,455,513, Dec. 7.
Screw and nut bearing mechanism, Antifriction. H. S. Hoffar. 2,455,368, Dec. 7.
Screw fastening. E. G. Theurer. 2,455,885, Dec. 7.
Seal, Mechanical. F. B. Porges. 2,455,700, Dec. 7.
Seed counting and selecting device. R. D. Putman. 2,455,701, Dec. 7.
Selector mechanism. W. T. Lang. 2,455,783, Dec. 7.
Separating audio frequencies, Method and apparatus for. W. Soller. 2,455,389, Dec. 7.
Separator: *See*—
Box blank separator.
Separator for materials conveyer, Scrap. E. A. Freed. 2,455,750, Dec. 7.
Serving, straining, and carving implement, Combination. S. H. Stone. 2,455,623, Dec. 7.
Servo system, Selsyn-controlled. R. F. Hays, Jr. 2,455,364, Dec. 7.
Shelving. A. F. Kern. 2,455,682, Dec. 7.
Shield, Radiator. L. R. Clausen. 2,455,734, Dec. 7.
Shielding means, Solder splash. J. W. Seigh. 2,455,815, Dec. 7.
Shock gauge. C. E. Crede. 2,455,356, Dec. 7.
Shockproof mounting. J. E. Flanagan. 2,455,891, Dec. 7.
Shoe holder. S. E. Raudebaugh. 2,455,805, Dec. 7.
Shoe last and support. J. Farina. 2,455,360, Dec. 7.
Shoe sole. H. C. Knellwolf. 2,455,500, Dec. 7.
Shoe vamp, Fur-covered. G. Naidor. 2,455,436, Dec. 7.
Shortening, Making. A. Gudheim. 2,455,363, Dec. 7.
Signal level control, Automatic. R. W. Sanders. 2,455,899, Dec. 7.
Signal mechanism. W. J. Fant, Jr. 2,455,573, Dec. 7.
Signaling system, Secret radio. D. Sarnoff. 2,455,443, Dec. 7.
Siphon and agitator, Tray. J. Rodack. 2,455,523, Dec. 7.
Skinning machine. R. T. Townsend. 2,455,831, Dec. 7.
Slipper with chenille surfacing. I. B. Witlin. 2,455,459, Dec. 7.
Solar still, Inflatable. A. E. Ushakoff. 2,455,834–5, Dec. 7.
Solvents, Production of. L. C. Morris. 2,455,601, Dec. 7.
Sound transmission control system. C. B. McCulloch. 2,455,691, Dec. 7.
Spear and hook, Fish. J. Lapsensohn. 2,455,784, Dec. 7.
Spindle, Honing. A. F. Wedge and H. T. Bidwell. 2,455,841, Dec. 7.
Spotting material, Glass cloth. E. C. Pfeffer, Jr. 2,455,802, Dec. 7.
Spring coiling machine embodying a change speed mechanism. E. W. Halvorsen. 2,455,863, Dec. 7.
Sput connection. J. Henchert. 2,455,767, Dec. 7.
Steam injection type water heater. C. T. Kern. 2,455,498, Dec. 7.
Steel, Austenitic stainless. J. C. Haun and R. Simpson. 2,455,485, Dec. 7.
Steel, Silicon electrical. A. R. Williams. 2,455,632, Dec. 7.
Stop for barrels, Safety. E. C. Livingston. 2,455,426, Dec. 7.
Storage rack. O. A. Light. 2,455,507, Dec. 7.
Stove pipe fastener. E. L. Chadwick. 2,455,406, Dec. 7.
Strap assembling apparatus. H. Alfandre. 2,455,545, Dec. 7.
Strap, Quick attach. V. R. Despard. 2,455,889, Dec. 7.
Strip slot insulation, Continuous. R. O. Goldberg. 2,455,862, Dec. 7.
Styrene and polymerizable ring chlorinated styrenes, Stabilization of. E. R. Erickson. 2,455,745, Dec. 7.
Substituted cyanoguanidine, Preparation of. B. C. Redmon and D. E. Nagy. 2,455,807, Dec. 7.
Sulfide catalyst, Preparation of. A. Voorhies, Jr. 2,455,713, Dec. 7.
Support: *See*—
Concealed post support.
Support and drier, Tobacco leaf. H. S. Kirkpatrick. 2,455,684, Dec. 7.
Surface treating method and apparatus. W. H. Mead. 2,455,514, Dec. 7.
Suspender, Underwear supported. J. H. Campbell. 2,455,852, Dec. 7.
Switch: *See*—
Centrifugal switch.
Switch actuating mechanism, Electric. R. A. Ohlson. 2,455,799, Dec. 7.
Synchronizer for cameras with curtain shutters, Flash. M. S. Jenner. 2,455,365, Dec. 7.
Synthetic bristles for brushes, Manufacturing. J. J. Gregory. 2,455,759, Dec. 7.
System for operating electric discharge tubes. C. Masciarelli. 2,455,791, Dec. 7.
Table: *See*—
Portable projector table.
Target throwing device. F. G. du Pont. 2,455,661, Dec. 7.
Telephone subscriber's set illumination. O. A. Shann. 2,455,816, Dec. 7.
Telescriber system utilizing carrier transmission of four intelligences. F. H. Shepard, Jr. 2,455,617, Dec. 7.
Television system, Color. C. S. Szegho. 2,455,710, Dec. 7.
Temperature control, Electronic. M. A. McLennan. 2,455,379, Dec. 7.
Terminal for metal-bending jacks, Strut. W. H. Ferguson and J. W. Geddes. 2,455,664, Dec. 7.
Test system, Temperature controlled. G. L. Prudhon and R. W. Spikula. 2,455,520, Dec. 7.
Testing instrument, Capacitor. A. C. Williams. 2,455,543, Dec. 7.
Textile fiber drafting aprons, Making. R. A. Garrett. 2,455,362, Dec. 7.
Textile units for fiber drafting, Making. J. W. Baymiller. 2,455,349, Dec. 7.
Thermocouple arrangements, Multiple. K. A. Browne. 2,455,654, Dec. 7.
Thermostat-controlled heater circuit. T. E. Sippel. 2,455,387, Dec. 7.
Thrust augmenting device for a system for developing propulsive thrust. F. Whittle. 2,455,458, Dec. 7.
Time base sweep and intensifier pulse generator. J. M. Lester. 2,455,373, Dec. 7.
Time-delay device, Magnetostrictive. L. F. Curtis. 2,455,740, Dec. 7.
Timing device, Electronic. P. J. Cade. 2,455,468, Dec. 7.
Tire deflation indicator. A. J. Schultz. 2,455,524, Dec. 7.
Tire lift, Tractor. M. B. Martin. 2,455,432, Dec. 7.
Tobacco can. G. V. Wilson and S. P. Darkins. 2,455,633, Dec. 7.
Tongueless tearing strip container. T. P. Keogh. 2,455,779, Dec. 7.
Tool: *See*—
Explosively actuated tool. Machine tool.
Fleshing tool. Rod clamp tool.
Insulation cutting tool. Valve reseating tool.
Tool compartment construction, Vehicle body. J. H. Holan and H. J. Troche. 2,455,417, Dec. 7.
Tool for applying armor rods to energized conductors. D. C. Hubbard. 2,455,490, Dec. 7.
Tool handle wedge. D. F. Christoffer. 2,455,733, Dec. 7.
Tools, Making cutting. F. Wagner. 2,455,538, Dec. 7.
Torque and speed responsive mechanism. J. Nader and J. F. Mailander. 2,455,436, Dec. 7.
Toy, Animated. C. Luckhaupt. 2,455,430, Dec. 7.
Toy shovel attachment, Velocipede. F. A. McDunnah. 2,455,692, Dec. 7.
Toy steering wheel. J. J. Brande. 2,455,887, Dec. 7.
Transmission, Variable-speed. J. L. Christmann. 2,455,407, Dec. 7.
Transmission, Variable-speed. G. M. Harry. 2,455,483, Dec. 7.
Tripod. H. Schulz. 2,455,525, Dec. 7.
Trousers. T. Kotzin. 2,455,589, Dec. 7.
Tube capping machine. W. E. Gerbing. 2,455,860, Dec. 7.
Turbine pump. C. D. Bower. 2,455,552, Dec. 7.
2,2-bis(p-chlorophenyl)1,1,1 - trichloroethane, Preparation of. A. C. Smith and J. L. Staubly. 2,455,388, Dec. 7.
Typewriter carriage retractor device. S. R. Dague. 2,455,563, Dec. 7.
Ultraviolet emitting magnesium pyrophosphate phosphor. H. C. Froelich. 2,455,415, Dec. 7.
Undergarment. H. V. Oldham. 2,455,604, Dec. 7.
Uniform cap. H. Lev. 2,455,686, Dec. 7.
Universal speed wrench. N. Mikelson. 2,455,434, Dec. 7.
Vacuum finisher, Steam. W. C. Glover, Jr. 2,455,755, Dec. 7.
Valve: *See*—
Hydraulic control valve. Interferometric light valve.

Valve control for fluid levels in hydraulic power plants. H. R. Fischer and E. W. Stevens. 2,455,747, Dec. 7.
Valve mechanism for expansible chamber motors with oscillating pistons, Snap action. B. Ulrich, Jr. 2,455,628, Dec. 7.
Valve reseating tool. B. H. Black. 2,455,550, Dec. 7.
Variength tandem self-aligning gauge. T. A. Anderer and R. W. Tafel. 2,455,347, Dec. 7.
Vehicle: *See*—
Water dispersible coating vehicle.
Vehicle body. R. Lucien. 2,455,429, Dec. 7.
Vending machine, Drink. J. J. Booth. 2,455,551, Dec. 7.
Vibration dampener, Fin. F. S. Sherwin. 2,455,708, Dec. 7.
Vinyl acetylenes, Preparation of. J. T. Horeczy. 2,455,677, Dec. 7.
Vinyl aromatic compounds, Stabilization of. E. R. Erickson. 2,455,746, Dec. 7.
Vise, Double-acting chain-type pipe. M. L. Nielson. 2,455,517, Dec. 7.
Vitamin K-active compositions. E. Fernholz and S. Ansbacher. 2,455,397, Dec. 7.
Vulcanizing apparatus. W. C. Wright, D. G. Rowe, Jr., and E. F. Roberts. 2,455,637, Dec. 7.
Washing machine tubs, Production of. M. Theil and B. A. Woina. 2,455,828, Dec. 7.
Watch band, Adjustable. B. W. Myer, Sr. 2,455,796, Dec. 7.
Water dispersible coating vehicle. G. E. Ellerman. 2,455,743, Dec. 7.
Water jacketed and ventilated horse. S. R. Johnson and R. M. Mero. 2,455,774, Dec. 7.
Wave modifying apparatus, Modulated. R. H. Varian. 2,455,393, Dec. 7.
Welding apparatus. D. Sciaky. 2,455,526, Dec. 7.
Welding apparatus, Spot. W. H. Dailey, Jr. 2,455,564, Dec. 7.
Well cylinder valve puller. C. Conley. 2,455,736, Dec. 7.
Well treating apparatus. J. G. Burch. 2,455,556, Dec. 7.
Wheel: *See*—
Buffing wheel. Toy steering wheel.
Grinding wheel.
Wheels, Making sparking. C. A. Barstow. 2,455,348, Dec. 7.
Windshield wiper mechanism. R. B. Bell. 2,455,725, Dec. 7.
Winding machine, Spring. A. Benjamin. 2,455,549, Dec. 7.
Window construction. H. J. Bader and W. C. Daniel. 2,455,462, Dec. 7.
Window sash construction. S. I. Baer. 2,455,642, Dec. 7.
Wire-winding device. C. N. Maggiacomo. 2,455,377, Dec. 7.
Wood and composition therefor, Impregnating. W. K. Loughborough. 2,455,427, Dec. 7.
Wrench: *See*—
Universal speed wrench.
Wrinkle finish, Air dry. W. A. Waldie. 2,455,541, Dec. 7.
Wrinkle finish and making, Flexible. W. A. Waldie. 2,455,540, Dec. 7.
X-ray apparatus. I. Ringler. 2,455,522, Dec. 7.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 7, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

D 3— 4: Des. 152,025
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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE KNIEL

No. 5482. Decided June 1, 1948. Petition for rehearing denied Sept. 30, 1948

[169 F.2d 820; 79 USPQ 75]

1. WORDS AND PHRASES—A PORTION ONLY.

Where the reference fully discloses the process of the appealed claim except that the appealed claim calls for a portion only of the excess isoparaffin being removed whereas in the process disclosed by the reference all the isoparaffin is removed, *Held* that the claim is broad enough to cover a process in which ninety-nine percent or more is removed, and that the claim fails to present any patentable distinction over the disclosure of the reference patent.

2. PATENTABILITY—EVIDENCE OF—STATEMENTS IN BRIEF OF ALLEGED ADVANTAGES NOT.

While there are general statements in the application and more specific statements in the brief of counsel for appellant as to the alleged advantages inherent in appellant's process, there is no actual evidence of comparative tests between appellant's process and that of the reference, *Held* that statements in the brief cannot take the place of actual evidence on questions of this sort.

3. PATENTABILITY—FUNCTIONAL DEFINITION IMPROPER.

Held that a characteristic essential to patentability cannot properly be defined in functional terms only.

4. SAME—PROCESS OF ALKYLATING AN ISOPARAFFIN.

Certain claims to a process of alkylating an isoparaffin *Held* failing to present any patentable distinction over the prior art, and certain other claims held patentable.

APPEAL from the Patent Office. Serial No. 440,931.

MODIFIED.

Nathaniel Ely (*Richard G. Radue* of counsel) for Kniel.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 1 to 7, inclusive, 9 and 10, in appellant's application for a patent for an alleged invention for a process relating to the alkylation of isoparaffinic hydrocarbons with olefinic hydrocarbons.

Claim 1 is sufficiently illustrative of appealed claims 3, 5, 6, 9, and 10. Claim 2 is representative of appealed claims 4 and 7. Claims 1 and 2 read:

1. In the process of alkylating an isoparaffin with an olefin to form high antiknock motor fuel in the presence of an alkylation catalyst wherein the isoparaffin is present in excess of that required to react with the olefin and wherein unreactive hydrocarbons lower boiling than the isoparaffin are also present, the improvement which comprises subjecting the hydrocarbon effluent from the alkylation zone consisting of alkylate and unreacted hydrocarbons to a prefractionation to separate the lower boiling unreactive hydrocarbons and a portion only of the excess isoparaffin as overhead therefrom and to concentrate the lower boiling hydrocarbons in an overhead stream, passing such overhead stream to a zone independent of the zone of said prefractionation and there fractionating such overhead alone under fractionating conditions independent of fractionating conditions within the prefractionation zone to separate the unreactive lower boiling hydrocarbons from the unreacted isoparaffin contained therein, eliminating the separated lower boiling hydrocarbons from the system, recycling the recovered isoparaffin to the alkylation zone to maintain the excess of isoparaffin therein, and fractionating the alkylate to recover a high antiknock motor fuel.

2. The process of alkylating an isoparaffin with a normally gaseous olefin to form high antiknock motor fuel, which comprises fractionating a feed stock containing the isoparaffin and unreactive hydrocarbons both higher boiling and lower boiling than the isoparaffin to separate the isoparaffin and the lower boiling hydrocarbons as overhead therefrom, contacting the isoparaffin overhead with the normally gaseous olefin in the presence of an alkylation catalyst to effect alkylation of the isoparaffin with the olefin, maintaining an excess of isoparaffin over that required to react with the olefin during alkylation, separating the resulting hydrocarbon mixture from the alkylation catalyst, subjecting the hydrocarbon mixture to a prefractionation to separate the lower boiling unreactive hydrocarbons and a portion only of the excess isoparaffin as overhead therefrom to concentrate the unreactive hydrocarbons in such overhead passing such overhead to a zone independent of the zone of said prefractionation and there fractionating such overhead alone under fractionating conditions independent of fractionating conditions within the prefractionation zone to separate the unreactive lower boiling hydrocarbons from the excess isoparaffin therein, eliminating the separated unreactive hydrocarbons from the system, fractionating the remainder of said hydrocarbon mixture to separate the remaining isoparaffin from the alkylate, recycling the isoparaffin recovered in the system to the alkylation zone to maintain the excess of isoparaffin therein, and fractionating the alkylate to recover a high antiknock motor fuel.

The references relied on are: Kemp et al., 2,172,560, September 12, 1939; Goldsby et al., 2,283,603, May 19, 1942; Westenberg, 2,338,272, January 4, 1944; Gardner, 2,345,742, April 4, 1944.

Appellant's application discloses a process in which a hydrocarbon is fractionated into a normal butane fraction which is withdrawn, and an isobutane fraction containing propane which is removed as an overhead and passed to a reaction zone. Butanes and a sulfuric acid catalyst are also introduced into the reaction zone. The catalyst is separated from the reacted material which comprises four major components; namely, propane, isobutane, normal butane, and isooctane, the boiling points of which components ascend in the order named. The effluent material enters a prefractionator which is operated under such conditions that all the propane and part of the isobutane are separated as overhead vapors, while the remainder of the material is removed from the bottom of the prefractionator. The overhead vapors are condensed and a part of

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the condensate is returned to the prefractionator, while the remainder passes to a depropanizer, where the propane is taken off as an overhead and removed from the system, while the isobutane is removed from the bottom of the depropanizer and recycled to the reactor. The materials removed from the bottom of the prefractionator are subjected to a further fractionation, by which the desired final product, a motor fuel, referred to in the claims as a "high antiknock motor fuel," is obtained.

The patent to Goldsby et al., which is the reference principally relied on, discloses an alkylation system in which isobutane and a hydrocarbon charge containing olefins are fed into a reactor with a sulfuric acid catalyst. The effluent from this reactor, which contains propane, isobutane, normal butane, and a gasoline fraction, passes to a stabilizer, from which the propane and isobutane, together with "all or a portion" of the normal butane, are removed as overhead vapors, while the remaining components, including "a portion or all" of the normal butane, are removed from the bottom of the stabilizer. The overhead vapors are then subjected to a further fractionation, in which the propane is withdrawn from the system as an overhead vapor and the normal butane is removed from the bottom of the fractionator, while a side stream which "may comprise essentially isobutane, but ordinarily contains in addition some normal butane," is removed from the side of the fractionator and returned to the reactor. It will be observed from the quoted statement that a portion or all of the normal butane is removed from the bottom of the stabilizer; that the patentees contemplate a type of operation in which none of this material is removed at the top; and that the overhead will consist essentially of the propane and all of the isobutane.

The patent to Gardner discloses a process of alkylating olefins by means of isobutane with the use of a sulfuric acid catalyst. In the process disclosed, the feed material which contains the isobutane may be fractionated to remove normal butane from it before it enters into the alkylation reaction.

The patents to Kemp et al. and Westenberg are cumulative to the disclosure in the Goldsby et al. patent and need not be considered in detail.

[1] The patent to Goldsby et al. fully discloses the process of appealed claim 1 except that the appealed claim calls for a portion only of the excess isoparaffin (isobutane) being removed as overhead, whereas in the process disclosed by the Patentees, all of the isobutane is removed in that manner. The appealed claim does not state what portion of the isobutane is removed as overhead and is, therefore, broad enough to cover a process in which ninety-nine percent or more of isobutane is removed in that manner. Since there is nothing of record to show that there is any material difference between removing all of the isobutane as overhead and removing ninety-nine percent of it as overhead and the remainder from the bottom of the fractionator, we are of opinion that claim 1 fails to present any patentable distinction over the disclosure in the patent to Goldsby et al.

[2] It was held by the Board of Appeals that the exact point at which the cut is taken in the fractionation of the effluent from the reactor is a question of engineering economics rather than invention. The advantages and disadvantages of taking the cut at any particular point would, in general, be recognized by those skilled in the art. Accordingly, in the absence of some showing of critical values or unexpected results, the making of the cut at some particular point would not be patentable. In the instant case, while there are general statements in the application and more specific statements in the brief of counsel for appellant as to the alleged advantages inherent in appellant's process, there is no actual evidence of comparative tests between appellant's process and that of the patent to Goldsby et al. Statements in a brief cannot take the place of actual evidence on questions of this sort. See *In re Burns*, 23 CCPA (Patents) 1091, 83 F.2d 292, 29 USPQ 423, 471 O. G. 246. We must hold, therefore, that no showing has been made to justify a holding that invention is involved in removing any desired portion of the isobutane from the top of the prefractionator, instead of removing all of it in that manner.

Claim 2, in addition to the steps recited by claim 1, calls for a preliminary fractionation of the feed stock to separate the isobutane and lower boiling hydrocarbons as an overhead, and also calls for a fractionation of the materials remaining after the prefractionation of the effluent from the reactor to separate isobutane, which is recycled to the reactor. Those steps are not shown in the patent to Goldsby et al. and, although the preliminary fractionation is shown in the patent to Gardner in a system generally similar to that of Goldsby et al., we are of opinion that the specific combination of steps recited in claim 2 presents a sufficient distinction over the prior art to justify the allowance of that claim.

[3] Claim 3 adds to claim 1 the statement that reflux is supplied to the prefractionator in an amount only sufficient to prevent separation of hydrocarbons higher boiling than isobutane. In the process disclosed in the patent to Goldsby et al. no reflux is supplied to the prefractionator (stabilizer), but conditions may be so maintained to prevent separation of hydrocarbons higher boiling than isobutane, since the patentees state that all the normal butanes may be removed as bottoms. The broad statement in claim 3 that the desired condition is obtained by steps including a reflux does not, in our opinion, define a patentably different process. Moreover, claim 3 defines the amount of reflux in functional terms only, and a characteristic essential of patentability cannot properly be defined in such manner. See *General Electric Co.* v. *Wabash Appliance Corp. et al.*, 304 U. S. 364, 491, O. G. 463.

Claim 4 depends upon claim 3 but calls for a definite reflux ratio. No such ratio is suggested by the prior art. We are of opinion, therefore, that the steps called for by claim 3, together with the definitely recited range of claim 4, constitute a patentable process.

Claim 5 adds to claim 3 the statement that the proportion of propane in the alkylation zone is less than 3%. It has not been established that this proportion is critical and the application merely states that it is "generally desirable." We are of opinion, therefore, that claim 5 is unpatentable for the same reasons hereinbefore set forth with reference to claim 3.

Claim 6 adds to claim 3 the statement that only a portion of the overhead from the prefractionator is fractionated, whereas the remainder is passed directly to the reactor. This is merely a matter of choice, the expediency of which depends upon the specific composition of the overhead. It has not been established that the limitation in claim 6 is critical and, in our opinion, that claim involves no more than ordinary mechanical skill. Claim 6, therefore, was properly rejected.

Claim 7 is somewhat more specific than claim 2 and is patentable for the same reasons hereinbefore stated with reference to claim 2.

Claim 9 adds to claim 1 the broad statement that prefractionator bottoms are fractionated to separate the isoparaffin (isobutane) therefrom. This step, as defined, does not lead to any unexpected result. It is conventional, as disclosed by the prior art, to fractionate hydrocarbons to separate various desired components. Claim 9, therefore, is unpatentable for the reasons stated in connection with claim 1.

Claim 10 does not differ materially from claim 9 and is unpatentable for the same reasons stated in our disposition of that claim.

For the reasons stated, the decision of the Board of Appeals is modified, being reversed as to claims 2, 4, and 7, and affirmed as to claims 1, 3, 5, 6, 9, and 10.

MODIFIED.

By reason of illness, O'CONNELL, *J.*, was not present at the argument of this case and did not participate in the decision.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,653,350, 1,672,561, W. Ernst, High speed hydraulic press; Re. 19,694 (of 1,927,583), same, Hydraulic motor control means; 1,682,172, same, Automatic hydraulic press; Re. 18,287 (of 1,711,378), 1,746,419, Re. 21,708 (of 2,053,184), same, Control mechanism for hydraulic press; 1,900,050, same, Hydraulic press platen travel equalizer; 2,070,720, same, Hydraulic press operating circuits and valves therefor; 1,763,142, 1,847,073, 1,901,291, same, Hydraulic press; 1,895,710, 1,870,500, Ernst & MacMillin, same; 1,937,192, same, Control mechanism for hydraulic motors; 1,884,060, H. F. MacMillin, same; 1,899,678, W. Ernst et al., same, D. C. N. J. (Trenton), Doc. 7301, *H-P-M Development Corp. et al.* v. *Watson-Stillman Co.* Consent judgment dismissing complaint and counterclaim Oct. 15, 1948.

1,672,561. (See 1,653,350.) 1,682,172. (See 1,653,350.)

1,711,027, Luzzatti & Schloss, Cinder block and process of making same, filed Oct. 20, 1948, D. C. N. J., Doc. 11731, *E. Luzzatti et al.* v. *Oliver Mfg. Supply Co. et al.*

1,711,378. (See 1,653,350.) 1,746,419. (See 1,653,350.)

1,763,142. (See 1,653,350.) 1,847,073. (See 1,653,350.)

1,870,500. (See 1,653,350.) 1,884,060. (See 1,653,350.)

1,887,926, S. Fox, Combination garment, D. C., S. D. N. Y., Doc. 46/483, *S. Fox* v. *R. H. Macy & Co., Inc., et al.* Stipulation and order of discontinuance Oct. 19, 1948.

1,895,710. (See 1,653,350.) 1,899,678. (See 1,653,350.)

1,900,050. (See 1,653,350.) 1,901,291. (See 1,653,350.)

1,927,583. (See 1,653,350.)

1,932,068, 1,993,365, A. E. Englebright et al., Earth boring apparatus; 1,993,366, A. E. Englebright, Pipe laying apparatus; 1,933,209, J. E. Currens, Grip device for earth boring apparatus, filed Oct. 20, 1948, D. C., N. D. Calif., S. Div., Doc. 28383–R, *Hydrauger Corp., Ltd.*, v. *E. W. Heple Construction Co.*

1,933,209. (See 1,932,068.) 1,937,192. (See 1,653,350.)

1,951,685, H. A. Wheeler, Peak detector; 2,041,273, same, Amplifier volume control, C. C. A., 6th Cir., Doc. 10597, *Hazeltine Research, Inc.*, v. *General Motors Corp.* Decree affirmed Oct. 19, 1948.

1,993,365. (See 1,932,068.) 1,993,366. (See 1,932,068.)

2,041,273. (See 1,951,685.) 2,053,184. (See 1,653,350.)

2,070,720. (See 1,653,350.)

2,096,585, F. W. Hoeter, Pouring stopper for bottles, filed Oct. 22, 1948, D. C. N. J., Doc. 11761, *Mary Di Biase* v. *Claremould Plastics Corp.*

2,174,994, H. K. Lorentzen, Venetian blind tilting structure, filed Oct. 22, 1948, D. C., E. D. N. Y., Doc. c–9440, *Lorentzen Hardware Mfg. Corp.* v. *Wright Sales Co., Inc.*

Pat. 2,205,581, A. S. Staff, Knitted fabric, filed Oct. 22, 1948, D. C. N. J., Doc. 11760, *Texagon Mills, Inc.*, v. *Dy-Co Mills, Inc.*

2,235,624, N. Schwartz, Filter unit for respirators, filed Oct. 22, 1948, D. C., S. D. N. Y., Doc. 47/700, *Hygeia Filtering Corp.* v. *S. W. Wilson Corp.*

2,428,198. (See Des. 146,895.)

2,449,265, G. B. Williams, Adjustable conduit for radiator and engine connection, suit for declaratory judgment filed Oct. 23, 1948, D. C., E. D. Pa., Doc. 8968, *Globe Rubber Products Corp.* v. *Crown Products Co.*

Re. 18,287. (See 1,653,350.)

Re. 19,694. (See 1,653,350.)

Re. 21,708. (See 1,653,350.)

Des. 146,895, M. M. Brohard, Jr., Shirt; 2,428,198, same, Garment, filed Oct. 19, 1948, D. C., S. D. Ohio, W. Div., Doc. 1976, *Cavu Clothes, Inc., et al.* v. *The Rollman & Sons Co.*

T. M. 101,858, T. M. 218,398, T. M. 500,601, T. M. 500,194, Lorraine Mfg. Co., Certain named materials; T. M. 330,739, same, Men's and boys' suits, coats, trousers, filed Oct. 19, 1948, D. C. N. J., Doc. 11729, *Lorraine Mfg. Co.* v. *Lorraine Mfg. Co., Inc.*

T. M. 218,398. (See T. M. 101,858.)

T. M. 330,739. (See T. M. 101,858.)

T. M. 420,945, The Hydraulic Press Mfg. Co., Hydraulically operated machines, D. C. N. J., Doc. 10263, *The Hydraulic Press Mfg. Co.* v. *Watson-Stillman.* Consent judgment dismissing complaint and counterclaim Oct. 15, 1948.

T. M. 500,194. (See T. M. 101,858.)

T. M. 500,601. (See T. M. 101,858.)

NOTICES

Guide for Patent Draftsmen

Notice is hereby given that the Patent Office has recently published a pamphlet entitled *Guide for Patent Draftsmen.*

This 16-page publication contains the requirements for patent drawings as established by the Patent Office and material illustrating the proper execution of these drawings. Copies may be procured from the Patent Office at 75 cents each. Patent Office coupons will be accepted in payment of these booklets.

C. E. HAGLUND,
November 12, 1948. *Executive Officer.*

Adjudicated Patents

(D. C. Ohio) Kahn patent, No. 1,717,221, for a stove, claims 13 and 14 *Held* invalid. *Estate Stove Co.* v. *General Motors Corp.*, 79 F. Supp. 765; 77 USPQ 302.

(D. C. Ohio) Wells patent, No. 1,785,568, for a gas range, claims 1 to 3 *Held* valid. *Id.*

(D. C. Ohio) Kahn patent, No. 1,786,429, for a door, claims 4 to 6, 8, 15, and 18 *Held* valid. *Id.*

(D. C. Ohio) Bradbury patent, No. 2,055,246, for an electric range, claims 1, 11, 14, and 24 *Held* valid. *Id.*

(D. C. Ohio) Kahn and Hake patent, No. 2,079,618, claims 2 to 6 *Held* valid. *Id.*

(D. C. Ohio) Kahn and Hake patent, No. 2,123,699, claims 4 to 6 and 9 *Held* valid. *Id.*

(D. C. Utah) Maize patent, No. 2,265,920, for a method and apparatus for permanent hair waving, claim 9 *Held* not infringed. *Tel-O-Wave, Inc.* v. *Andre Inc.*, 79 F. Supp. 799; 77 USPQ 94.

(D. C. Wis.) Brandt design patent, No. 103,303, for ornamental design for extension table *Held* invalid and not infringed. *Brandt Cabinet Works* v. *Silvercrest Industries*, 79 F. Supp. 791; 78 USPQ 366.

Disclaimer

2,406,165.—*Alfred C. Schroeder*, Feasterville, Pa. COMMUNICATION SYSTEM. Patent dated Aug. 20, 1946. Disclaimer filed Oct. 29, 1948, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claims 1, 3, 4, and 9 of said patent.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,425,607, M. A. Edwards and H. M. Ogle, Control system for aircraft turbosuperchargers, decided Nov. 2, 1948, claims 1, 2, 3, and 5.

Pat. 2,270,155, Blanche Willen, Tenter for the treatment of cloth, decided Nov. 10, 1948, the claim.

Interference Notice

Louis S. Richman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Cudahy Packing Co., 221 North La Salle Street, Chicago, Ill., for registration of a trade-mark and registration No. 388,367, issued June 24, 1941, to Louis S. Richman, 225 Grand Street, New York, N. Y., and the notice of such declaration sent by registered mail to the said Richman at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Richman, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Nov. 4, 1948. *Assistant Commissioner of Patents.*

Cancellation Notice

Mary Pardo, her assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Elizabeth Arden Sales Corporation, 681 Fifth Ave., New York 22, N. Y., to effect the cancellation of trade-mark registration of Mary Pardo, 552 Cabrini Place, Chicago, Ill., No. 347,316, dated June 22, 1937, and the notice of such proceeding sent by registered mail to the said Mary Pardo at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Mary Pardo, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Nov. 5, 1948. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 14,176 through 14,510) are Schedule 3 and part of Schedule 4, Groups 28; 32.

Detailed information concerning specific abstracts should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 3

Patents Relating to Blasting Explosives

Pat. 1,895,517. Manufacture of Polyhydric Alcohols. Jan. 31, 1933. Continuous process for the manufacture of glycol comprising hydrolyzing an olefine of chlorhydrin step-wise at progressively increased temperatures.

Pat. 1,905,289. Explosive. Apr. 25, 1933. An antiacid for gelatin dynamites comprising from .1% to 5.0% magnesium oxide.

Pat. 1,920,438. Treatment of Absorbent Material. Aug. 1, 1933. Carbonaceous absorbent material comprises plant tissue impregnated with a molten composition of urea and ammonium nitrate.

Pat. 1,923,848. Process of Making Absorbent Materials and Compounds Made Therefrom. Aug. 22, 1933. A dynamite composition comprising a carbonaceous absorbent material impregnated with starch and ammonium nitrate.

Pat. 1,927,832. Explosive Composition. Sept. 26, 1933. An explosive composition comprising nitroglycerin and an organic ester of phosphoric acid.

Pat. 1,936,497. Method of Manufacturing Fermentation Glycerol. Nov. 21, 1933. The manufacture of glycerin comprising sugar fermentation in alkaline medium, distilling the glycerin, treating with lime and with air to destroy the phenols.

Pat. 1,940,255. Explosive. Dec. 19, 1933. A free-flowing non-gelatinous dynamite composition containing pelleted sodium nitrate.

Pat. 1,944,910. Explosive Composition and Method of Making. Jan. 30, 1934. A portion of dynamite composition comprising from 75% to 90% of a liquid nitric ester, from 1.5% to 2.5% of a gelatinous agent, and between 23.5% and 6.5% of a combustible absorbent material.

Pat. 1,947,530. Nitrated Sugar Explosive. Feb. 20, 1934. Explosive composition comprising levulose sugar dissolved in nitroglycerin.

Pat. 1,963,619. Explosive Composition. June 19, 1934. Low density nitroglycerin dynamites are prepared by using a flaked cereal product as the combustible material.

Pat. 1,963,622. Gelatin Dynamite Composition. June 19, 1934. Low density gelatin dynamites comprising gelatinized nitroglycerin and as the combustible an expanded cereal product.

Pat. 1,963,627. Explosive Composition. June 19, 1934. Low density explosive compositions comprising nitroglycerin and a low density combustible ingredient consisting of puffed cereal grains.

Pat. 1,964,755. Explosive Composition. July 3, 1934. Gelatin dynamites are prepared by mixing a carbonaceous absorbent material with nitrocellulose and gelatinizing the mixture with a liquid aliphatic nitric ester.

Pat. 1,965,731. Explosive Composition. July 10, 1934. A blasting gelatin composition comprising not less than from 88% to 92% nitroglycerin, .5% to 9.4% of fibrous carbonaceous absorbent material and not more than 5% of nitrocellulose.

Pat. 1,966,090. Gelatinized High Explosive Composition. July 10, 1934. Gelatinization of dynamite compositions is accelerated by incorporating a derivative of a polyhydroxy aliphatic alcohol containing at least one hydroxyl group and at least one ether group.

Pat. 1,972,938. Explosive Coating Material. Sept. 11, 1934. Inorganic explosive salts such as ammonium nitrate are particularly suitable for high explosive compositions when coated with PETN.

Pat. 1,991,856. Fuse Connection. Feb. 19, 1935. Cordeau branch lines are connected to a main fuse line by means of a detonating and booster charge containing shell which fits over the end of the branch line.

Pat. 1,992,189. Gelatin Dynamite Composition. Feb. 26, 1935. As a low density carbonaceous ingredient for gelatin dynamites, vegetable pith such as bagasse is suitable.

Pat. 1,992,216. Method of Blasting. Feb. 26, 1935. A blasting assembly comprising an initiator, a booster charge and a main charge of ammonium nitrate.

Pat. 1,992,217. Ammonium Nitrate Explosive. Feb. 26, 1935. Ammonium nitrate blasting explosive comprising ammonium nitrate and dinitrotoluene wherein the cross sectional area is greater than 3 sq. inches.

Pat. 1,992,224. Low Density Dynamite Composition. Feb. 26, 1935. A low density dynamite composition comprising a liquid explosive and disintegrated sunflower stalks.

Pat. 2,012,985. Process for the Nitration of Aromatic Hydrocarbons. Sept. 3, 1935. Toluene can be nitrated with an acid mixture of low nitric acid content such as nitroglycerin spent acid.

Pat. 2,012,986. Process of Producing a Liquid Explosive Compound. Sept. 3, 1935. Glycerin and toluene may be simultaneously nitrated by adding each to the nitrating acid prior to mixing.

Pat. 2,033,196. Explosive Compound. Mar. 10, 1936. A headache free blasting powder comprising PETN and less than 5% nitroglycerin.

Pat. 2,033,198. Explosive. Mar. 10, 1936. The sensitivity of a dynamite composition may be decreased by replacing a substantial portion of the nitroglycerin with an aromatic nitro compound without loss of ability to detonate.

Pat. 2,037,906. Explosive Container. Apr. 21, 1936. A blasting assembly comprising a receptacle with a high explosive primer in a central compartment surrounded by black powder.

Pat. 2,048,050. Explosive Composition. July 21, 1936. The moisture resistance of an explosive composition containing ammonium nitrate is increased by incorporating calcium stearate.

Pat. 2,064,581. Explosive Manufacture. Dec. 15, 1936. Gelatin dynamites are manufactured in a nonferrous metal container, the mixing being done by a "Wheeling" process.

Pat. 2,069,612. Blasting Explosive. Feb. 2, 1937. High density ammonium nitrate explosive composition comprising a blend of coarse and fine particles of ammonium nitrate.

Pat. 2,087,285. Ammonium Nitrate Explosive. July 20, 1937. A low density explosive composition comprising ammonium nitrate having a density lower than 0.80, said ammonium nitrate being obtained by a spraying process.

Pat. 2,107,157. Explosive. Feb. 1, 1938. Low power ammonium nitrate explosive composition comprising at least 65% ammonium nitrate wherein the greater part thereof will be held on a 24 mesh screen and said explosive being cartridged in a diameter of not less than 1½ inches.

Pat. 2,110,695. Production of Dimers of Polyhydric Alcohols. Mar. 8, 1938. Dimers of aliphatic polyhydric alcohols are produced by heating the alcohol to the condensation-polymerization temperature and thereafter heating with steam.

Pat. 2,112,174. Bomb. Mar. 22, 1938. An oil well bomb comprising a time-controlled igniting device, an explosive charge, a casing for said charge and a pressure responsive closure element.

Pat. 2,117,173. Explosive. May 10, 1938. Free-flowing water resistant dynamite comprising comminuted gelatin dynamite with particle size range of ¼ in. to ⅝ inch.

Pat. 2,124,201. Explosive Composition and Process of Production. July 19, 1938. Ammonium nitrate explosive composition comprising pelleted ammonium nitrate mixed with a mass of readily detonatable explosive matter.

Pat. 2,124,202. Explosive. July 19, 1938. Ammonium nitrate gelatin dynamite comprising a water insoluble soap, coarse ammonium nitrate and fine ammonium nitrate.

Pat. 2,125,161. Ammonium Nitrate Explosive. July 26, 1938. Ammonium nitrate explosive composition comprising nitroglycerin and porous ammonium nitrate having a density less than 0.7.

Pat. 2,125,376. Waterproofing Process. Aug. 2, 1938. Ammonium nitrate for dynamite is waterproofed by coating with an acyloin derived from a fatty acid of more than six carbons.

Pat. 2,138,581. Primer for High Explosives. Nov. 29, 1938. A primer for "Nitramon" comprising a booster of trinitrotoluene sealed in a rigid receptacle having a recess adapted to hold an initiator.

Pat. 2,138,603. Explosive Package. Nov. 29, 1938. An explosive package comprising a cartridge, a web of netting about the cartridge and means of attaching said netting to a lowering element.

Pat. 2,140,345. Controlling Temperature of Nitration Reactions. Dec. 13, 1938. A process of nitrating glycerin comprising maintaining the reaction mixture in direct heat-exchange relationship with a mixed acid as a cooling means.

Pat. 2,145,397. Treatment of Ammonium Nitrate Explosives. Jan. 31, 1939. A sensitized explosive composition containing ammonium nitrate and a solid organic sensitizer is attained by heating the mixture under confinement to liquify the sensitizer, then cooling.

Pat. 2,155,499. Method of Waterproofing Hygroscopic Materials. Apr. 25, 1939. Ammonium nitrate for dynamite is waterproofed with resinous mixed esters of a polyhydric alcohol, a polycarboxylic acid and a fatty acid of at least six carbon atoms.

Pat. 2,159,973. Gelatinized High Explosive Composition and Method of Preparation. May 30, 1939. Gelatinization of nitrocellulose is accelerated by incorporating dimethylformamide.

Pat. 2,168,562. Inorganic Nitrate Explosive. Aug. 8, 1939. An explosive composition comprising a solid dispersion of ammonium nitrate and dinitrotoluene in liquid ammonia.

Pat. 2,168,563. Nitrostarch Explosive. Aug. 8, 1939. An explosive composition comprising nitrostarch dispersed in the crystalline ammonium nitrate is obtained by crystallization from anhydrous solution.

Pat. 2,171,371. Crimping Device. Aug. 29, 1939. A crimping device comprising a blade and a crimping slot wherein the edges converge to form a semi-circular end portion.

Pat. 2,171,379. Ammonium Nitrate Explosive. Aug. 29, 1939. A granular explosive composition comprising ammonium nitrate and nitrocellulose.

Pat. 2,171,384. Blasting Assembly. Aug. 29, 1939. A blasting assembly comprising a watertight metal container, an insensitive main charge, a booster charge and a metal tunnel on the outside of said container for confining a detonating fuse.

Pat. 2,185,248. Ammonium Nitrate Explosive. Jan. 2, 1940. An explosive composition containing at least 85% ammonium nitrate, mononitronaphthalene, and a normally solid hydrocarbon amine compound soluble in molten naphthalene.

Pat. 2,190,703. Perchlorate Explosive. Feb. 20, 1940. Explosive composition comprising a solid dispersion of a sensitizer in an inorganic perchlorate obtained by crystallization from anhydrous ammonia.

Pat. 2,194,544. Gelatinized High Explosive Compositions. Mar. 26, 1940. Explosive composition comprising gelatinized nitroglycerin and a gelatinization accelerant, diacetone alcohol.

Pat. 2,199,217. Granular Ammonium Nitrate Explosive. Apr. 30, 1940. Detonating explosive comprising ammonium nitrate, a binding agent insoluble in nitroglycerin and less than 10% nitroglycerin.

Pat. 2,199,218. Granular Ammonium Nitrate Explosive. Apr. 30, 1940. A process for the production of granular explosive comprising intermingling ammonium nitrate with a binding agent insoluble in nitroglycerin, adding a wetting agent, graining and then coating with nitroglycerin.

Pat. 2,215,189. Treatment of Glycerol Solutions. Sept. 17, 1940. Distillation of glycerin from beer slops is obtained by forming thin films on two heated revolving drums.

Pat. 2,220,891. Ammonium Nitrate Explosive Composition. Nov. 12, 1940. A high density ammonium nitrate explosive comprising at least 50% ammonium nitrate, dinitrotoluene, and a reaction product of ammonia with an inorganic nitrate.

Pat. 2,220,892. Method of Preparing Ammonium Nitrate Explosives. Nov. 12, 1940. Ammonium nitrate explosives are prepared by mixing ammonium nitrate with a sensitizer, an inorganic nitrate, and ammonia.

Pat. 2,222,175. Nonsetting Ammonium Nitrate Explosive Composition and Process. Nov. 19, 1940. An explosive composition comprising ammonium nitrate coated with a reaction product of zinc oxide and ammonium nitrate.

Pat. 2,231,043. Blasting Explosive Composition. Feb. 11, 1941. A high explosive composition comprising an explosive ingredient, a water soluble inorganic salt and a comminuted starch product.

Pat. 2,231,044. Blasting Explosive Composition Feb. 11, 1941. A blasting explosive composition comprising ammonium nitrate, starch and a gelatinizing agent for the said starch.

Pat. 2,238,058. Expansible Cover. Apr. 15, 1941. A hydraulic mining cartridge cover comprising sets of strands, each set being carried alternately over and under at least 3 other sets to form a tubular expansible braid.

Pat. 2,238,939. Blasting Assembly. Apr. 22, 1941. A blasting unit comprising a watertight-metal container of ammonium nitrate, said container having a projecting portion with an external screw at one end and a crimping recess at the other end.

Pat. 2,284,259. Crimping Device. May 26, 1942. A crimping device comprising a truncated cone, a spring disc slotted to form segments about the circumference of a central hole, a flexing means, a hollow plunger, and hand levers cooperating therewith.

Pat. 2,286,136. Expansible Fabric Cover. June 9, 1942. A hydraulic mining cartridge cover comprising braided strands of wire wherein the outer circumference of the strands is reduced to smoothness to eliminate nicking.

Pat. 2,299,907. Explosive Charge for Oil Wells. Oct. 27, 1942. An oil well explosive charge comprising ammonium nitrate dispersed in at least 50% by weight of nitroglycerin.

Pat. 2,312,744. Blasting Cartridge Shell. Mar. 2, 1943. A blasting cartridge shell containing spiral perforations, thereby permitting cartridge to be expanded in a bore hole.

Pat. 2,314,806. Explosive Composition. Mar. 23, 1943. An explosive composition wherein increased water resistance is attained by using barley meal as the carbonaceous material.

Pat. 2,314,807. Explosive Composition. Mar. 23, 1943. An explosive composition wherein increased water resistance is attained by using rye flour as the carbonaceous material.

Pat. 2,314,808. Explosive Composition. Mar. 23, 1943. An explosive composition wherein increased water resistance is attained by using spelt meal as the carbonaceous material.

Pat. 2,314,809. Explosive Composition. Mar. 23, 1943. An explosive composition wherein increased water resistance is attained by using oat flour as the carbonaceous material.

Pat. 2,314,810. Explosive Composition. Mar. 23, 1943. An explosive composition wherein increased water resistance is attained by using grain sorghum as the carbonaceous material.

Pat. 2,314,832. Explosive Composition. Mar. 23, 1943. An explosive composition wherein increased water resistance is attained by using linseed meal as the carbonaceous material.

Pat. 2,316,054. Perforating Apparatus. Apr. 6, 1943. A paper perforating assembly comprising a cylindrical perforating roll with pointed perforators projecting therefrom and helically arranged thereon, and means for rotating said perforating rolls while the paper is passed thereover.

Pat. 2,320,465. Shell-Feeding Device. June 1, 1943. An automatic shell-feeding device comprising an extensible distributor device provided with projections adapted to receive and support said shells.

Pat. 2,326,310. End Closure for Explosive Cartridges. Aug. 10, 1943. An end closure of an explosive cartridge comprising peripheral beads consisting of a reverse fold in the side wall of said cartridge, forming a series of substantially radial overlapping and interlocking folds.

Pat. 2,356,149. Blasting Explosive Composition and Method. Aug. 22, 1944. A detonating explosive comprising an inorganic oxidizing salt, and oxidizable material, and a sensitized alkali nitrate composition, formed into a cap sensitive cohesive block.

Pat. 2,358,384. Detonating Explosive. Sept. 19, 1944. A free-flowing granular detonating explosive comprising a carbonaceous combustible material as an absorbent for a liquid explosive nitric ester, ammonium nitrate, and at least 15% liquid nitric ester.

Pat. 2,358,385. Explosive. Sept. 19, 1944. A detonating explosive comprising an inorganic oxidizing agent, a solid explosive nitrate of an aliphatic polysaccharide, and a vegetable product, for example, a pregelatinized cereal product.

Pat. 2,362,617. Explosive Composition. Nov. 14, 1944. Sensitivity and maximum detonating velocity of blasting gelatin are retained after storage and under high pressure when small amounts of metallic oxides are added.

Pat. 2,362,618. Gelatin Dynamites. Nov. 14, 1944. Explosive composition comprising a liquid explosive, nitrocellulose and a metallic oxide, hydroxide, or normal and basic salt of lead, iron, or aluminum.

Pat. 2,363,494. Recovery of Glycerin. Nov. 28, 1944. Glycerin is recovered from fermentation slops by mixing therewith a volatile solvent of glycerin which is partly miscible in water, permitting separation into layers, and removing the glycerin with the top layer.

Pat. 2,371,874. Explosive Cartridge. Mar. 20, 1945. A cartridge shell comprising a convolute tube having a plurality of overlapping plies, the free ends thereof being fixed by an adhesive and the ends sealed by curling the two walls over and about the cup-shaped disc.

Pat. 2,411,465. Ammonium Nitrate Explosives. Nov. 26, 1946. Explosive composition of cyclotrimethylenetrinitramine and an organic base having a dissociation constant lower than 1×10^{-5}.

Pat. 2,415,422. Blasting Explosive Assembly. Feb. 11, 1947. A coupler unit for blasting column assembly.

Pat. 2,425,310. Explosive. Aug. 12, 1947. An explosive composition containing tetryl, and a liquid nitrated organic compound.

Patents Relating to Acids and Salts

Pat. 1,901,875. Evaporation of Nitric Acid. Mar. 21, 1933. A process for the vaporization of nitric acid comprising spraying the acid onto a dry surface of chromium steel maintained at a temperature above the boiling point of the acid.

Pat. 1,903,815. Process for the Production of Nitrites. Apr. 18, 1933. Relatively pure nitrites are produced by contacting the material with NO and NO_2 in the presence of an alkaline absorbing medium.

Pat. 1,915,126. Method of Determining Traces of Nitric in Sulphuric Acid Solutions. June 20, 1933. The amount of nitric acid in solution with other acids can be determined by measuring the E. M. F. developed by two dissimilar electrodes immersed in the solution.

Pat. 1,919,216. Process of Ammonia Oxidation. July 25, 1933. Ammonia oxidation catalyst in the form of a multi-layer gauze containing a metal of the platinum group wherein the exposed surface is greater than that of 4 thicknesses of 80 mesh wire per unit of the cross sectional area of the gas stream.

Pat. 1,922,278. Process of Concentrating Nitric Acid. Aug. 15, 1933. A process for concentrating nitric acid comprising passing nitric and sulfuric acid through a dehydrating tower, evaporating strong nitric acid, passing residual acids through a series of boiling vessels in a form of cascades and retaining all nitric vapors from the vessels in the system for returning to the dehydrating tower.

Pat. 1,922,289. Process of Concentrating Nitric Acid. Aug. 15, 1933. Process of concentrating nitric acid comprising the process as set forth in Patent No. 1,922,278 wherein the mixture from the boiling vessels is passed into a second fractionating tower to drive off the remaining nitric acid.

Pat. 1,923,865. Temperature Control of Chemical Reactions. Aug. 22, 1933. Temperature control in the oxidation of ammonium comprising regulating the proportion of ammonia entering the catalyst chamber so that the temperature rise is maintained at a predetermined value.

Pat. 1,928,749. Nitric Acid Concentration. Oct. 3, 1933. Nitric acid concentration comprising passing mixed acids into a fractionating tower, separating the vapors of nitric acid by passing the remaining liquid through a second fractionating tower counter-current to water vapor, and then passing the vapors to a dephlegmating column.

Pat. 1,943,948. Production of Raw Materials for the Manufacture of Iron Red Dry Colors. Jan. 16, 1934. Raw material for the production of iron red dry colors prepared by treating aniline sludge with sulfuric acid substantially less than the chemical equivalent of the iron present in the sludge.

Pat. 1,978,198. Process of Oxidizing Ammonia and Catalyst Therefor. Oct. 23, 1934. Ammonia oxidation catalyst comprising an alloy of platinum and a metal taken from the fifth or sixth group of the periodic system.

Pat. 1,978,431. Process of Producing Nitrites. Oct. 30, 1934. Process for the production of nitrites comprising passing gaseous oxides of nitrogen into a solution of alkali base wherein not more than 40% of the gas is NO_2.

Pat. 1,980,451. Tube Joint. Nov. 13, 1934. A tube joint for connecting a pair of flow tubes by mechanical means comprising bolt connected flanges and spring members to compensate for the unequal expansion.

Pat. 1,986,396. Ammonia Oxidation Process. Jan. 1, 1935. Decomposition of nitrogen oxides is reduced by passing reaction gases through a catalyst in the direction perpendicular to the surface thereof at a high velocity and thereafter cooling below 500° C.

Pat. 2,019,533. Process for Cooling Gases. Nov. 5, 1935. Ammonia oxidation gases are cooled by bubbling the gases through superimposed pools of cooled liquid.

Pat. 2,032,457. Process of Concentrating Sulphuric Acid. Mar. 3, 1936. Concentrated and fuming sulfuric acid is produced by use of partially dehydrated phosphoric acid.

Pat. 2,034,863. Absorption of Oxides of Nitrogen. Mar. 24, 1936. Oxidizable nitrogen oxides are recovered from fluoride containing gases by washing in a high silica-iron alloy tower. The purified gases are absorbed in a counter-flow of water and nitric acid in a chrome-iron alloy tower.

Pat. 2,034,864. Ammonia Recovery Process. Mar. 24, 1936. In the production of ammonium nitrate the excess ammonium is recovered by absorption in a solution of ammonium nitrate continuously maintained acid.

Pat. 2,046,162. Process for Producing Concentrated Nitric Acid. June 30, 1936. Concentrated nitric acid is prepared by counter-flow of a gas rich in oxygen to liquid nitrogen peroxide and weak nitric acid at a high temperature.

Pat. 2,075,075. Method and Apparatus for the Manufacture of Sulfuric Acid. Mar. 30, 1937. In the process of manufacturing sulfuric acid the step comprising passing converter gases through an expansion engine to perform work while being cooled.

Pat. 2,075,984. Process of Compressing Gases. Apr. 6, 1937. Corrosive gases are compressed at a temperature above the condensation point in a compressor wherein the frictional moving and gas contacting surfaces comprise at least 2 dissimilar materials including a metal and graphite.

Pat. 2,088,057. Production of Nitric Acid from Oxides of Nitrogen. July 27, 1937. Concentrated nitric acid is prepared by passing gases containing oxides of nitrogen counter-current to strong cold nitric acid, the solution then being passed counter-current to an oxygen containing gas.

Pat. 2,088,636. Production of Ammonium Picrate. Aug. 3, 1937. Ammonium picrate is produced by reacting picric acid with gaseous ammonia.

Pat. 2,089,945. Process of Producing Ammonium Nitrate and Other Fusible Compounds. Aug. 17, 1937. Process of drying decomposable material which comprises flowing in a continuously moving film over a surface at a temperature above the melting point of the compound and regulating the rate of flow so that dehydration is substantially complete without decomposition.

Pat. 2,089,957. Manufacture of Salts. Aug. 17, 1937. Process for the manufacture of dehydrated salts which comprises using the heat of the exothermic reaction to volatilize the liquid by flowing the solution in a thin film adjacent to the reaction zone.

Pat. 2,111,276. Process for the Production of Nitrous Oxide. Mar. 15, 1938. Process for the production of nitrous oxides comprising maintaining at decomposition temperature a mixture of ammonium nitrate and a catalyst selected from the group consisting of phosphorus and arsenic wherein the amount of ammonium nitrate is maintained substantially constant in ratio to the amount of catalyst.

Pat. 2,111,277. Process for Reacting Ammonium Nitrate to Form Nitrous Oxide. Mar. 15, 1938. Nitrous oxides are prepared by heating ammonium nitrate to its decomposition temperature in contact with a catalyst comprising a compound containing phosphorus and arsenic.

Pat. 2,115,851. Process for Producing Ammonium Nitrate. May 3, 1938. A process of producing solid ammonium nitrate of predetermined size and density comprising spraying a solution of the ammonium nitrate by means of a disc revolving at set speeds, the temperature of the solution being at about the solidification point.

Pat. 2,124,729. Concentrating Acid Solutions. July 26, 1938. Sulfuric acid is concentrated by passing a film of aqueous acid down the inner surface of a heated vertical tube while maintaining the system under vacuum.

Pat. 2,125,143. Process of Recovering Sulphuric Acid from Hot Gas Mixtures Containing Sulphur Oxides. July 26, 1938. Production of sulfuric acid which comprises passing parts of the gas through a Glover column, passing a greater proportion in contact with sulfuric acid in a concentrated tower to yield 90% sulfuric acid, collecting the exit gases and reuniting them with the gases leaving the Glover tower.

Pat. 2,130,483. Production of Phosphoric Acid and Concentrated Nitric Acid. Sept. 20, 1938. Nitric acid is concentrated by counter-current flow of vaporized phosphoric pentoxide which is electrically precipitated in the dilute acid.

Pat. 2,139,721. Concentration of Nitric Acid. Dec. 13, 1938. Nitric acid is concentrated by mixing with concentrated sulfuric acid and contacting the mixture with counter-current gases of sulfur trioxide.

Pat. 2,142,646. Production of Nitric Acid. Jan. 3, 1939. Colorless nitric acid is produced by introducing beneath the surface of the body of nitric acid a heated oxygen containing gas.

Pat. 2,163,371. Process of Producing Sulphuric Acid. June 20, 1939. In the contact process for manufacture of sulfuric acid, pre-drying is accomplished with an activated alumina.

Pat. 2,174,238. Manufacture of Ammonium Nitrate. Sept. 26, 1939. Low density dry ammonium nitrate is produced by forming a film of molten ammonium nitrate over a heated surface and subjecting the film to subatmospheric pressure.

Pat. 2,190,304. Concentration of Nitric Acid. Feb. 13, 1940. In the sulfuric acid concentration of nitric acid the residual liquid from the dehydration zone is elevated to the denitration zone by means of a steam lift.

Pat. 2,201,631. Nitric Acid Concentration. May 21, 1940. Process for the concentration of nitric acid comprising flowing the residual liquid from a dehydrating tower in the form of a film down the inner surfaces of a plurality of heated tubes.

Pat. 2,278,059. Free-Flowing Sodium Nitrite Product and Method of Preparation. Mar. 31, 1942. Free-flowing sodium nitrite is produced by spraying the nitrite at a temperature above the fusion point but below the decomposition point and cooling by passage through a gaseous medium.

Pat. 2,316,154. Nitrite Composition. Apr. 13, 1943. Sodium nitrite has increased setting resistance when small quantities of calcium nitrite and the like are incorporated.

Pat. 2,327,767. Salt Composition. Aug. 24, 1943. Sodium nitrite has increased setting resistance when small quantities of alkali metal carbonate and the like are incorporated.

Pat. 2,337,025. Treatment of Waste Acid. Dec. 21, 1943. Process for purifying tetryl waste acid comprising heating to at least 135° C. for at least 15 minutes, volatilizing, cooling the gases to a temperature below the boiling point of nitric acid, returning the condensed nitric acid to the heat treated residual acid and collecting residual acid.

Pat. 2,348,328. Process of and Apparatus for Treating Sulfuric Acid Containing Dissolved Nitro-Bodies. May 9, 1944. Residual sulfuric acid is treated by heating in the form of a thin layer at approximately 300° F.

Pat. 2,366,309. Apparatus for the Treatment of Waste Acid. Jan. 2, 1945. An apparatus for the purification of tetryl waste acid comprising an acid resistant container provided with heating means, a condenser and collecting means.

Pat. 2,382,189. Preparation of Nitric Oxide. Aug. 14, 1945. Pure nitric oxide is prepared by vaporizing 98% nitric acid, mixing with a combustible gas in stoichiometrical proportions, passing the mixture into a burning chamber, igniting, and thereafter removing the water vapor and the carbon dioxide.

Pat. 2,403,050. Concentration of Nitric Acid. July 2, 1946. Preliminary boiling of weak nitric acid mixed with a dehydrating agent permits a considerable proportion of concentrated nitric acid to be recovered directly by cooling the fumes, the remaining liquid then being treated in the usual manner to recover the remainder of the nitric acid.

Pat. 2,403,902. Nitric Acid Concentration. July 16, 1946. Reduction of pressure fluctuations and increased capacity is obtained in the concentration of nitric acid by cooling the fume line between the fractionating tower and the bleaching tank.

Pat. 2,404,260. Method of Treating Spent Acid. July 16, 1946. Usable nitric acid can be recovered from solutions wherein no dehydrating agent is present by boiling until all the NO_2 is removed.

Patents Relating to Initiators, Rivets and Miscellaneous Uses of Explosives

Pat. 1,906,869. Electric Blasting Cap. May 2, 1933. Electric blasting cap comprising a main charge of lead azide and a loose ignition composition of lead sulphocyanate, potassium chlorate and ground Pyro Powders.

Pat. 1,918,920. Ignition Composition. July 18, 1933. An ignition composition as the top charge in a blasting cap containing a secondary charge and a priming charge of lead azide, consisting of lead sulphocyanate, potassium chlorate and ground Pyro Powders.

Pat. 1,964,825. Ignition Composition. July 3, 1934. An ignition composition comprising a sulphocyanate, an oxidizing agent and a combustible accelerant such as magnesium, aluminum or sulfur.

Pat. 1,964,826. Electric Squib. July 3, 1934. Electric squib comprising a metal shell having a closed end, a base charge of deflagrating explosive, and sulphocyanate ignition mixture.

Pat. 1,975,608. Electric Blasting Cap. Oct. 2, 1934. Electric blasting cap having a high degree of water resistance by closing the clearance between the bridge plug and the shell mechanically, producing an internal groove or bead about the base of the shell.

Pat. 1,984,846. Ignition Composition. Dec. 18, 1934. An ignition charge comprising tetramethylenediperoxidedicarbamide.

Pat. 1,991,857. Detonator. Feb. 19, 1935. A blasting cap comprising a shell having a closed end, a main charge and a primary charge of detonating explosive wherein the primary charge is at the closed end of the tube.

Pat. 1,992,304. Electrical Apparatus. Feb. 26, 1935. Small electrical impulses are relayed and amplified by means of a liquid potentiometer, electrodes controlling the voltage of relaying and amplifying means being placed adjacent thereto but not in contact therewith.

Pat. 1,995,354. Electrical Igniter. Mar. 26, 1935. Electric igniter for liquid fuel comprising a block of wood impregnated with an oxidizing material and an electric squib inserted in said block of wood.

Pat. 2,007,223. Ignition Composition. July 9, 1934. Ignition composition comprising nitrocellulose impregnated with nitroglycerin and an oxidizing agent.

Pat. 2,007,959. Initiator. July 16, 1935. An electric blasting cap wherein the shell is made of stainless steel.

Pat. 2,020,390. Shunt for Electric Blasting Caps. Nov. 12, 1935. A shunting device for electric blasting caps comprising a bare metal section with ends thereof bent forming jagged contact.

Pat. 2,024,586. Initiator. Dec. 17, 1935. Lead azide may be used in blasting cap made of a zinc-copper-silver alloy.

Pat. 2,031,677. Blasting Cap Charge. Feb. 25, 1936. Blasting cap base charge comprising nitrocellulose impregnated with liquid nitric ester and with or without an oxidizing salt.

Pat. 2,080,220. Explosive Rivet. May 11, 1937. Explosive rivet comprising a shank with a longitudinal recess opened at one end and an explosive charge within said recess.

Pat. 2,086,527. Electric Blasting Initiator. July 13, 1937. An electric initiator having one of the leg wires provided with means to transmit static electricity to the shell wall.

Pat. 2,086,530. Electric Blasting Initiator. July 13, 1937. A static reduced electric initiator having an ignition composition of a lead salt of a nitrophenol.

Pat. 2,086,531. Electric Blasting Initiator. July 13, 1937. An electric initiator provided with a static shunt and having an ignition composition comprising copper acetylide.

Pat. 2,086,532. Electric Blasting Initiator. July 13, 1937. An electric initiator provided with a static shunt and having an ignition composition comprising silver azide.

Pat. 2,086,533. Ignition Composition. July 13, 1937. New ignition compound comprising the silver or mercury derivative of chlorinated azodicarbonamidine.

Pat. 2,086,548. Electric Initiator. July 13, 1937. Electric initiator having reduced static susceptibility by inserting a plug of material of high resistance to low voltage and low resistance to high voltage between uninsulated leg wires and the shell wall.

Pat. 2,093,275. Electric Blasting Initiator. Sept. 14, 1937. A shunting means to eliminate inadvertent firing of blasting caps by stray sources of electrical energy comprising connecting uninsulated portions of the two leg wires with a strip of metallic foil.

Pat. 2,105,635. Ignition Composition. Jan. 18, 1938. An ignition composition comprising an alkyl lead salt of a member of the group consisting of hydrozoic acid, azidodithiocarbonic acid and styphnic acid, the lead being in a tetravalent state.

Pat. 2,112,974. Electric Initiator. Apr. 5, 1938. Moistureproof ventless delay electric squibs comprise a localized shell opening charge of detonating explosive at a point adjacent to the base charge.

Pat. 2,115,066. New Compositions of Matter. Apr. 26, 1938. New explosive composition comprising the nitration product of alpha-2,4-dinitraniline-isobutyric acid.

Pat. 2,118,533. Electric Blasting Initiator. May 24, 1938. Electric squib comprising an ignition charge of a blend of black and smokeless powder.

Pat. 2,123,691. Electric Initiator. July 12, 1938. A moistureproof electric squib comprising a ventless shell, a base charge capable of fusing a vent in the shell, and an ignition charge adjacent thereto; neither being capable of generating sufficient gas pressure to burst the shell.

Pat. 2,125,356. Initiator. Aug. 2, 1938. An aluminum shell made corrosion and abrasion resistant by an anodic oxidation coating of aluminum oxide.

Pat. 2,150,374. Electric Blasting Cap. Mar. 14, 1939. Electric blasting caps are sealed with a bridge plug of metal such as copper, brass or aluminum by mechanically compressing an extending portion of the shell wall about the plug.

Pat. 2,153,171. Electric Blasting Cap. Apr. 4, 1939. Electric blasting cap wherein the bridge wire is capable of attaining sufficient temperature to detonate the cap but not fuse.

Pat. 2,173,270. Electric Blasting Initiator. Sept. 19, 1939. Electric blasting cap with a static shunt having as an ignition composition the double salt of lead hypophosphite with lead nitrate.

Pat. 2,173,271. Ignition Composition. Sept. 19, 1939. An ignition composition comprising calcium hypophosphite and an oxidizing agent.

Pat. 2,175,249. Ignition Composition. Oct. 10, 1939. An ignition composition for blasting caps comprising the complex salts of lead nitrate with a lead salt of nitrophenol.

Pat. 2,175,250. Electric Fuse Having Combustible Elements Comprising Lead Salts of Nitrophenols. Oct. 10, 1939. Electric fuse having combustible elements comprising lead salts of nitrophenols.

Pat. 2,185,370. Electric Initiator. Jan. 2, 1940. Electric detonators in which the ignition composition is in the form of a bead about the bridge wire, said bead being coated with a hard pressure resistant coating of a sulfur composition.

Pat. 2,185,371. Delay Composition. Jan. 2, 1940. Delay compositions comprising an oxidizing agent and an alloy of antimony with a metal of a heat of combustion substantially different from that of antimony.

Pat. 2,189,301. Blasting Initiator. Feb. 6, 1940. A squib ignition composition comprising smokeless powder, an oxidizing agent and a fuel.

Pat. 2,204,994. Electric Blasting Initiators. June 18, 1940. Composition plugs for electric blasting caps are made by placing the composition about a pair of parallel leg wires, molding 2 plugs with the base ends face to face, then severing each wire a given distance from the base of each plug.

Pat. 2,205,081. Collapsible Tube Method of Depositing Explosive Charges. June 18, 1940. Ignition compositions are charged onto filaments by extrusion in plastic form from a collapsible tube.

Pat. 2,212,118. Electric Blasting Initiator. Aug. 20, 1940. Electric blasting cap seal comprising forming a plug of resilient material about the leg wires and then crimping the plug into the blasting cap shell.

Pat. 2,212,474. Electric Blasting Initiators. Aug. 20, 1940. A blasting cap having a bridge plug of rubber-like material with an extension of decreased cross-sectional area located at its base.

Pat. 2,223,964. Explosive Composition for Detonating Rivets. Dec. 3, 1940. An explosive rivet charge comprising hexamethylenetriperoxidediamine.

Pat. 2,228,539. Electric Squibs. Jan. 14, 1941. Electric squib bridge wire comprising an alloy of nickel and chromium having a diameter of .00225 inch.

Pat. 2,228,873. Electric Blasting Initiators. Jan. 14, 1941. An electric blasting cap sealed by a plug of rubber-like thermoplastic material by crimping the shell wall about its entire circumference.

Pat. 2,228,878. Method of Making Electric Blasting Initiators. Jan. 14, 1941. A method of preparing a waterproof electric blasting cap comprising forming a resilient bridge plug about the leg wires having a decreased cross-section extending beyond the base of the plug and closely adhering to the leg wires thereof forming a waterproof seal.

Pat. 2,230,080. Protective Device for Electric Blasting Initiator. Jan. 28, 1941. Static resistant blasting cap wherein the leg wires have insulated end portions connected with metallic foil, said foil having a dielectric coating on the surface in contact with the wires.

Pat. 2,237,932. Electric Blasting Initiators. Apr. 8, 1941. Electric blasting cap having a crystal free thermoplastic plug spacing the leg wires and sealing the initiator.

Pat. 2,242,117. Electric Blasting Initiators. May 13, 1941. A method of molding a rubber composition in juxtaposition with a preformed body of thermo-plastic resin without intermingling the two materials.

Pat. 2,257,104. Extrusion Method for Organic Materials. Sept. 30, 1941. A method for coating and insulating wire comprising extruding a thermoplastic cellulose derivative, at an elevated temperature upon moving wire and cooling said extruded insulated coating.

Pat. 2,261,195. Explosive Composition for Detonating Rivets. Nov. 4, 1941. An explosive composition for rivets comprising nitromannitol, tetrazine and aluminum.

Pat. 2,268,372. Ignition Compositions Comprising Pyro-Lead Salt-Chlorate. Dec. 30, 1941. An ignition composition comprising a loose charge of comminuted smokeless powder and a lead salt of a nitrophenol.

Pat. 2,276,380. Electric Blasting Initiators. Mar. 17, 1942. Apparatus for molding rubber plugs on thermoplastic insulated blasting cap wires without intermingling.

Pat. 2,279,323. Manufacture and Packeting of Detonators. Apr. 14, 1942. A winding mechanism for blasting cap wires comprising an oscillatory winding form with spaced winding members and extendible holder between said members.

Pat. 2,279,451. Electric Blasting Initiator. Apr. 14, 1942. Electric blasting cap construction wherein the bridge wire is jointed to a bridge post by a welding juncture including the post, the wire, and a strip of metal sheeting.

Pat. 2,293,373. Explosive Rivet. Aug. 18, 1942. An explosive rivet charge comprising a solid nitrated explosive compound such as nitromannitol and a powdered metal such as aluminum.

Pat. 2,295,075. Heating Device. Sept. 8, 1942. A heating device for explosive rivets comprising a heat producing member with a pistol grip at one end, a contact member of high conductivity at the other end and an insulated stand connected thereto provided with a hand grip.

Pat. 2,307,046. Stripping Machine. Jan. 5, 1943. Apparatus for stripping plastic insulation from the ends of insulated wire and cutting the wire into predetermined lengths.

Pat. 2,312,741. Explosive Composition. Mar. 2, 1943. An ignition composition for blasting caps comprising a colloided nitrocellulose wherein the nitrogen content is at least 13.15%.

Pat. 2,312,752. Explosive Composition. Mar. 2, 1943. A blasting unit comprising a watertight pressure resistant container, a pelleted charge comprising ammonium nitrate, the reaction product of ammonium with a non-alkali nitrate, and PETN.

Pat. 2,313,189. Predetermining Counter. Mar. 9, 1943. A continuously operating revolution counter for an insulated wire stripping apparatus.

Pat. 2,327,763. Method of Firing Explosive Rivets. Aug. 24, 1943. A method of firing explosive rivets comprising igniting the detonating explosive by electrical induction.

Pat. 2,329,343. Electrical Devices. Sept. 14, 1943. The method of securing a filament to a larger conductor by welding.

Pat. 2,351,468. Stabilized Explosive Composition. June 13, 1944. An oil well explosive composition comprising a liquid explosive nitric ester and from 0.5 to 5.0% of an organic base having a dissociation constant lower than 1×10^{-5}.

Pat. 2,364,730. Means for Detonating Explosive Rivets. Dec. 12, 1944. An apparatus for firing explosive rivets by means of radiant energy.

Pat. 2,367,206. Method of Joining Objects. Jan. 16, 1945. By wrapping an explosive cord about the sleeve or coupling surrounding a pipe, rod, cable, etc., a strong joint is formed when the cord is detonated.

Pat. 2,376,427. Electric Blasting Initiators. May 22, 1945. Electric blasting cap having a bridge plug of substantially non-inflammable, compressible and extensible material formed about the leg wires.

Pat. 2,380,312. Detonating Fuse. July 10, 1945. By using braided wire to give an explosive core flexibility and shear strength, the size of the detonator can be reduced.

Pat. 2,387,742. Explosive Rivet. Oct. 30, 1945. An explosive rivet wherein the detonating explosive charge comprises a static sensitive explosive compound.

Pat. 2,388,901. Heating Device. Nov. 13, 1945. An explosive rivet firing device comprising a heating apparatus adapted to be heated by a vaporizable or finely divided fuel.

Pat. 2,393,594. Operation of Internal Combustion Engines. Jan. 29, 1946. A fuel for internal combustion engines comprising ammonium nitrate dissolved in liquid ammonia.

Pat. 2,396,152. Initiating Explosive Composition. Mar. 5, 1946. An initiating explosive composition comprising PETN as the base charge and as the priming charge a compressed admixture of diazodinitrophenol and nitromannitol.

Pat. 2,402,235. Blasting Initiator. June 18, 1946. Sensitivity of primer powders to friction and shock without reduction in effectiveness is obtained by incorporating a water insoluble metal soap.

Pat. 2,403,286. Detonator Loading Machine. July 2, 1946. An apparatus for the continuous loading of explosive material into a casing by mechanical means with minimum risk of detonation.

Pat. 2,403,907. Smoke Pot Igniter. July 16, 1946. Smoke pot igniter comprising a water-proof container, black powder, a primer and an electric squib.

Pat. 2,410,047. Explosive. Oct. 29, 1946. A method of forming a pressure-tight joint between a fastening element and a main body by means of a detonating explosive.

Pat. 2,420,306. Blasting Cap Primer Composition. May 13, 1947. A blasting cap charge comprising a nitrated amide of polyhydroxy monocarboxylic acid or polyhydroxy dicarboxylic acid.

Pat. 2,420,651. Ignition Device. May 20, 1947. Ignition device with a flash-producing agent assembled so that ignition is obtained by the frictional passage of a wire through the charge.

Pat. 2,427,899. Blasting Cap. Sept. 23, 1947. An intermediate charge for a blasting cap comprising a compressed explosive material incapable of transmitting combustion in the absence of confinement.

Pat. 2,432,578. Explosive. Dec. 16, 1947. Smokeless powder grains surface coated with a water-insoluble ester of a dicarboxylic aliphatic acid.

Pat. 2,432,580. Low Voltage Rivet Heater. Dec. 16, 1947. A device for expanding explosive rivets comprising a low voltage rivet heater.

Patents Relating to Miscellaneous Explosives

Pat. 1,924,464. Smokeless Powder and Process of Manufacturing Same. Aug. 29, 1933. A process for preparing propellent powders comprising adding a water insoluble volatile solvent to a nitrocellulose water slurry, removing excess water, further colloiding nitrocellulose, and then removing the solvent.

Pat. 1,924,465. Process of Producing Propellent Powder. Aug. 29, 1933. A smokeless powder is produced by incorporating nitroglycerin into a water slurry of nitrocellulose powder grains.

Pat. 1,927,870. Black Powder Composition. Sept. 26, 1933. A black powder composition wherein the rate of combustion is retarded by incorporating of a high viscosity vegetable oil.

Pat. 1,932,050. Explosive Coating Material. Oct. 24, 1933. A coating ingredient for explosive materials comprising trimethylol ethyl methane trinitrate.

Pat. 1,962,172. Process of Nitrating Quebrachitol. June 12, 1934. Quebrachitol is nitrated by adding the finely divided material to 95% nitric acid while the temperature is maintained constant and thereafter concentrated sulfuric acid is added slowly.

Pat. 1,964,792. Process of Purifying Crude Aromatic Nitrocompounds. July 3, 1934. A process for the purification of trinitrotoluene which comprises washing the crystals in an aqueous solution of acetone.

Pat. 1,975,186. Explosive Charge. Oct. 2, 1934. A cast explosive charge comprising a fused mixture of trinitrophenylethylnitramine with either tetryl or PETN or both.

Pat. 2,024,396. Process for Purifying Organic Explosive Compounds. Dec. 17, 1935. A process for the purification of tetryl comprising crystallization from a neutral, inert solvent miscible in water.

Pat. 2,030,096. Black Powder Composition. Feb. 11, 1936. A black powder composition wherein an inorganic base such as urea is present as a stabilizer.

Pat. 2,031,659. Process for Making Smokeless Powder. Feb. 25, 1936. A method of manufacturing shot gun powder comprising treating a nitrocellulose water slurry with a mixed solvent consisting of a water miscible solvent and a non-miscible solvent.

Pat. 2,033,217. Process of Treating Smokeless Powder. Mar. 10, 1936. A process of rejuvenating coated smokeless powders comprising immersing in ethyl alcohol, heating, removing the solvent, and introducing a fresh hot solvent containing the stabilizer.

Pat. 2,038,700. Propellent Powder. Apr. 28, 1936. A flash reducing composition comprising a finely distributed mixture of tin dioxide and potassium sulphate.

Pat. 2,050,871. Flashless Powder Charge. Aug. 11, 1936. Muzzle flash is inhibited by enclosing the smokeless powder in a bag impregnated with an alkali metal salt.

Pat. 2,062,636. Cohesive Low Density Pellets and Process of Controlled Drying. Dec. 1, 1936. Firm low density pellets of black powder are produced by compressing a charge of wheel cake having a moisture content between 5 and 8 per cent in a container, removing, and drying to a moisture content of less than 1 per cent.

Pat. 2,062,666. Pelleted Blasting Powder. Dec. 1, 1936. A formed block of black blasting powder having a density between 0.9 and 1.3 and containing ammonium nitrate.

Pat. 2,063,572. Process of Preparing Explosive Charges. Dec. 8, 1936. A process for preparing high density ammonium nitrate explosives comprising adding a freezing depressant, heating to a temperature sufficient to liquidize a portion of the ammonium nitrate, compacting, and cooling to a firm solid mass.

Pat. 2,113,418. Propellant Powder. Apr. 5, 1938. A double base smokeless powder with improved stability made by impregnating the powder with diethyldiphenyl urea.

Pat. 2,118,487. Process for Preparing Polyvinyl Nitrate. May 24, 1938. A method of preparing polyvinyl nitrate comprising nitrating polyvinyl alcohol with nitric acid under conditions whereby oxidation will not occur.

Pat. 2,118,501. Ignition Compositions. May 24, 1938. The lead salt of tetranitrodiphenylolpropane may be used either alone or mixed with zirconium and nitro starch as an ignition composition.

Pat. 2,123,517. Process of Treating Smokeless Powder. July 12, 1938. A process of restoring stability of stabilized nitrocellulose powder comprising treating the grains with ethyl alcohol at a temperature between 30° C. and 40° C. and thereafter impregnating with fresh diphenylamine.

Pat. 2,132,845. Process for Purification of Trinitrotoluene. Oct. 11, 1938. Process for the purification of TNT comprising treating with an aqueous solution containing an alkali metal sulphite and an acid reacting metal to maintain the pH of the solution between 7.0 and 8.3.

Pat. 2,168,020. Black Powder Manufacture. Aug. 1, 1939. High density black powder is produced by preliminary drying of the wheel cake and thereafter compressing to a density of at least 1.4.

Pat. 2,168,030. Explosive Composition. Aug. 1, 1939. A deflagrating explosive composition comprising black powder and ammonium nitrate intermingled with a metal which undergoes rapid combustion between 300° C. and 900° C.

Pat. 2,204,059. Process for Crystallizing Organic Explosive Compounds. June 11, 1940. A process for the production of coarse crystalline PETN comprising forming a neutral solution of PETN in a neutral organic solvent miscible with water at a temperature from 80° F., to 90° F., cooling to between 50° F. and 55° F. by adding cold water.

Pat. 2,222,405. Internal Anchor Device for Wells. Nov. 19, 1940. An anchor device for oil well shooting comprising a spider slidably mounted on a hub, said spider being provided with movable arms.

Pat. 2,224,297. Treatment of Oil Wells. Dec. 10, 1940. A method of increased flow in oil wells comprising introducing an aqueous solution of ammonium nitrate having a pH between 3.5 and 7.0.

Pat. 2,230,100. Smokeless Powder. Jan. 28, 1941. Cellular smokeless powder is produced by colloiding the nitrocellulose with a high boiling point solvent, granulating the colloid, and removing the solvent by heating in the presence of water.

Pat. 2,230,848. Progressive Burning Smokeless Powder. Feb. 4, 1941. A progressive burning double base smokeless powder comprising a coated base grain impregnated with a liquid explosive nitric ester.

Pat. 2,247,392. Process of Making Smokeless Powder. July 1, 1941. A process for manufacture of smokeless powder which comprises mixing a water suspension of nitrocellulose colloided with nitroglycerin with a water suspension of nitrotoluene at an elevated temperature and then chilling the suspension during agitation.

Pat. 2,256,195. Manufacture of Dinitro-Ortho-Cresol. Sept. 16, 1941. 4,6-dinitro-ortho-cresol is prepared by adding sulfuric acid to ortho-cresol, maintaining the mixture at 90° to 100° C. diluting the solution and reacting the nitric acid at a temperature of at least 70°, and thereafter separating the product.

Pat. 2,261,630. Propellent Powder. Nov. 4, 1941. A dense nitrocellulose powder of improved burning characteristics comprising nitrocellulose of cellular texture obtained by the extraction of from 5 to 25% of incorporated pulverized sugar.

Pat. 2,280,803. Solvent Recovery from Smokeless Powder. Apr. 28, 1942. A method of recovering a solvent from freshly granulated smokeless powder comprising forming a layer of said powder, passing a drying medium through the powder at a temperature above that of the powder at a rate of about .2 cu. ft. per lb. of dry powder.

Pat. 2,281,560. Drying of Smokeless Powder. May 5, 1942. After the solvent has been removed from smokeless powder the powder is dried by heating with recirculating but dry gases passing through the charge.

Pat. 2,294,334. Method of Treating Aluminum. Aug. 25, 1942. A method of coating the surface of aluminum comprises treating said surface with a hot solution of an alkali carbonate, and an insoluble chromate, and thereafter steam treating at elevated pressures.

Pat. 2,301,231. Nitration of Alcohols. Nov. 10, 1942. A method of producing erythritol tetranitrate comprising dissolving erythritol in an aqueous sulfuric acid solution and treating the solution with a mixed nitric and sulfuric acid.

Pat. 2,311,784. Preparation of Nitrourea. Feb. 23, 1943. A method of preparing nitrourea comprising dissolving urea in acetic acid, treating with nitric acid, adding acetic anhydride, heating to between 30° C. and 70° C., cooling, and separating nitrourea.

Pat. 2,320,243. Smokeless Powder Composition. May 25, 1943. A smokeless powder charge adapted to resist fragmentation upon initiation comprising grains having random orientation of the particles.

Pat. 2,342,204. Method of Manufacturing Smokeless Powder. Feb. 22, 1944. A method of producing smokeless powder grains having random orientation of the particles therein comprising imparting helical flow to the colloid while extruding through a die.

Pat. 2,342,585. Graphite Recovery. Feb. 22, 1944. A method of purifying graphite after use in glazing of smokeless powder comprising treating with a hot caustic alkali solution and removing the dissolved impurities.

Pat. 2,349,048. Smokeless Powder. May 16, 1944. A progressive-burning smokeless powder charge comprising grains coated with a non-explosive high molecular weight organic material substantially non-soluble in the organic nitrates of the nitrocellulose composition.

Pat. 2,349,249. Apparatus for the Recovery of Solvent. May 23, 1944. An apparatus for treatment of smokeless powder comprising a container, a vapor entrance and exit, a vapor filter, a blower, and a heater connected in series to a conduit externally connecting the exit with the entrance, and a by-pass connected therewith leading to a condenser and separating means.

Pat. 2,353,147. High-Density Explosive Charge. July 11, 1944. A high-density explosive charge comprising an inorganic oxidizing agent, a solid organic sensitizer therefor, and a compound selected from the group consisting of sulfates of fatty alcohols, organic sulfonates, and soaps of fatty acid.

Pat. 2,358,697. Purification of Pentaerythritol. Sept. 19, 1944. A process for purifying pentaerythritol comprising subliming at temperatures between 240° and 260° C. at reduced pressure, recovering the sublimate, dissolving in water, and recrystallizing by concentration at reduced pressure.

Pat. 2,367,487. Apparatus for the Recovery of Solvent. Jan. 16, 1945. A solvent recovery apparatus comprising a container with a removable cover having at least one unsecured vapor-tight lid in the cover, an entrance for the introduction of a drying medium, a screen to separate the powder within the container, and an aperture at the base of the container for the exit of the drying medium.

Pat. 2,370,437. Nitration Process. Feb. 27, 1945. A process for the production of PETN comprising reacting pentaerythritol with nitric acid at a temperature above 100° F.

Pat. 2,371,879. Explosive Charge. Mar. 20, 1945. A high-density explosive charge comprising a solid solution of PETN-TNT.

Pat. 2,373,800. Preparation of Alkali Metal Azides. Apr. 17, 1945. A process for preparing an alkali metal azide comprising reacting an alkali metal with anhydrous ammonia, introducing nitrous oxide under superatmospheric pressure, and at all times holding the temperature below 132° C.

Pat. 2,380,246. Preparation of Aromatic Nitrocompounds. July 10, 1945. A method of producing crystalline TNT comprising mixing molten TNT in water, cooling slowly to crystallization temperature, controlling the crystalline growth by regulating the cooling rate thereafter, and then quickly introducing an excess of cold water.

Pat. 2,380,247. Trinitrotoluene. July 10, 1945. A method of producing TNT comprising adding cold water to crude molten TNT, and washing the crystals with a sodium sulfide solution at a temperature between 67° and 71.5° C.

Pat. 2,380,248. Purification of Trinitrotoluene. July 10, 1945. In purification of TNT, washing with sodium sulfite is accomplished with a minimum loss of TNT by first washing with an amount of sulfite less than required to remove all isomers and then rewashing to eliminate the remaining isomers.

Pat. 2,382,133. Manufacture of Trinitrotoluene. Aug. 14, 1945. A process for manufacturing TNT comprising separating molten TNT from the bulk of the spent acid, treating with alkali in an aqueous medium and cooling below the solidification point of the TNT.

Pat. 2,384,730. Method of Preparing Cast Explosive Charges. Sept. 11, 1945. A method of preparing cast explosive charges comprising blending TNT and wet PETN, heating until the TNT becomes molten, and thereafter removing the water.

Pat. 2,385,128. Nitration Process. Sept. 18, 1945. A method of preparing nitrated organic compounds comprising maintaining in separate layers, in contact with one another, a nitric acid and an organic material in liquid state, agitating the layers separately, thereby effecting nitration at the contact areas.

Pat. 2,385,135. Propellant Smokeless Powder. Sept. 18, 1945. A smokeless powder wherein the surface is glazed with a water insoluble metallic salt of a higher mono-basic aliphatic acid.

Pat. 2,385,162. Chemical Apparatus for the Manufacture of Explosives. Sept. 18, 1945. A continuous screening process for producing water insoluble explosive compounds such as TNT comprising forming a water slurry of the material, forcing the slurry from the mouth of the conduit against a conical deflector through a wire screen in the form of a frustum enclosing said deflector.

Pat. 2,387,488. Trinitrotoluene. Oct. 23, 1945. A process for refining TNT comprising treating crystalline TNT with aqueous sodium sulfide, filtering, washing, and thereafter introducing water with mechanical agitation to form a water slurry within the filter.

Pat. 2,404,215. Slurry Filtration. July 16, 1946. An apparatus for filtering odd sized particles which comprises agitating the slurry while passing air up through the filter to keep smaller particles from clogging the screen.

Pat. 2,405,340. Manufacture of Tetryl. Aug. 6, 1946. A process for producing tetryl comprising nitrating a solution of dimethylaniline in sulfuric acid with a mixed acid, the ratio of nitric acid to dimethylaniline being at least 7 : 1, the nitration temperature being between 150° and 180° F.

Pat. 2,414,405. Fuse Powder Compositions. Jan. 21, 1947. A fast burning black powder composition including a carbon black obtained by the incomplete combustion of gaseous carbonaceous fuels deposited on a surface from the flame thereof.

Patents Relating to Organic Compounds and Miscellaneous Subjects

Pat. 1,947,578. Inhibiting the Decomposition of Organic Compounds. Feb. 20, 1934. A method for the prevention of discoloration of aniline comprising replacing the dissolved air with nitrogen.

Pat. 1,957,935. Shot Shell. May 8, 1934. Shot-gun shells comprising coating paper with a cellulose ether composition, forming the tube, then impregnating inside of the tube with a paraffin composition.

Pat. 1,989,701. Cellulose Derivative Composition. Feb. 5, 1935. A cellulose derivative composition is plasticized with an ester of a polycarboxylic acid wherein the H of at least one carboxylic group is replaced with a tetrahydrofurfuryl radical.

Pat. 2,008,045. Manufacture of Aromatic Nitrocompounds. July 16, 1935. Separation of emulsified aromatic nitrocompounds from the spent nitration acid is facilitated by adding fuller's earth or kieselguhr.

Pat. 2,020,368. Process for Preparing Aromatic Amines. Nov. 12, 1935. Partly detinned tin scrap may be used as a reducing agent in the conversion of nitrobenzene to aniline.

Pat. 2,033,203. Process of Manufacturing Aminoguanidine. Mar. 10, 1936. A process comprising the catalytic reduction of nitroguanidine to aminoguanidine.

Pat. 2,082,815. Preparation of Diaryl Amines. June 8, 1937. Diphenylamine is prepared from aniline by refluxing the reagents in a pressure resistant column having a heat exchange medium, such as diphenylamine, interposed between the column and the liner.

Pat. 2,085,178. Process for Sludge Treatment. June 29, 1937. Iron in aniline sludge is recovered by sintering the sludge and thereafter treating with a reducing agent in the presence of sodium chloride.

Pat. 2,120,968. Production of Diaryl Amines. June 21, 1938. Diphenylamine is produced by heating aniline in the presence of a ferrous chloride and an ammonium halide.

Pat. 2,120,969. Production of Diaryl Amines. June 21, 1938. A method of preparing diphenylamine comprising continuously passing aniline and a catalyst through a reaction zone, heated to the reaction temperature and maintained at superatmospheric pressure.

Pat. 2,140,345. Controlling Temperature of Nitration Reactions. Dec. 13, 1938. A process for controlling the reaction temperature and nitration reaction comprising maintaining the reaction mixture in direct heat exchange relationship with a single liquid cooling medium consisting of nitric acid, sulfuric acid, or phosphoric acid, said acids being out of direct contact with the mixture.

Pat. 2,159,804. New Compositions of Matter. May 23, 1939. New compounds and nitroaryl polyhydroxy alkyl amino compounds are prepared by condensing gluconamide with a nitrated halogenated aromatic hydrocarbon in the presence of a basic condensation agent.

Pat. 2,179,919. Treatment of Sludges. Nov. 14, 1939. Iron is recovered from aniline sludge by forming a slurry of the sludge and passing the slurry through a cyclone separator.

Pat. 2,240,622. Process of Filtration Utilizing Porous Cements. May 6, 1941. Oil porous filter cement for sealing oil wells against sanding.

Pat. 2,256,196. Purification of Diphenylamine. Sept. 16, 1941. Freshly grained diphenylamine is treated with a solution comprising at least 50% by weight of a saturated monohydric lower alcohol said solution being intimately contacted with the surfaces of the grain.

Pat. 2,256,999. Nitration of Organic Compounds. Sept. 23, 1941. Nitrobenzene is prepared by reacting benzene with mixed acid and the resulting heat utilized in the concentration of residual acid.

Pat. 2,279,765. Preparation of Urea Nitrate. Apr. 14, 1942. Urea nitrate is prepared by reacting urea with nitric acid in the presence of acetic or propionic acid.

Pat. 2,285,302. Process for Cementing Oil Wells. June 2, 1942. Process of cementing oil well cavities.

Pat. 2,301,875. Method of Treating Oil Wells. Nov. 19, 1942. Oil well treating material comprising an aqueous weak acid capable of reacting with calcareous rock to yield water soluble products.

Pat. 2,348,326. Metal Clamp. May 9, 1944. A metal clamping device adapted to hold together at least two perforated sheets of material.

Pat. 2,357,589. Oil Well Filter. Sept. 5, 1944. An apparatus for forming a porous cement oil well filter.

Pat. 2,365,639. Oil Well Filter. Dec. 19, 1944. An apparatus for placing a porous cement in an oil well to form a filter.

Pat. 2,376,474. Nitrourea Product. May 22, 1945. A stabilized product comprising nitrourea and solid compounds from the group consisting of acids and acid salts.

Pat. 2,377,071. Reduction of Nitro Compounds to Amines by Means of Aliphatic Hydrocarbons. May 29, 1945. Reduction of nitrocompounds to amines by heating with aliphatic hydrocarbons.

Pat. 2,384,534. Explosive Dump Shell. Sept. 11, 1945. A dump shell for placing an explosive charge in a vertical bore hole or an oil well without loss of any parts.

Pat. 2,396,330. Process of Nitrating Alcohols. Mar. 12, 1946. Process for preparing aliphatic nitrates comprising reacting secondary or tertiary aliphatic alcohols with nitric acid in the presence of acetic anhydride.

Pat. 2,399,206. Process. Apr. 30, 1946. Gravity Separation of hydrocarbon emulsions accelerated by the addition of an inorganic fluoride.

Pat. 2,400,904. Chemical Process. May 28, 1946. Preparation of mononitroxylene comprising nitrating xylene, agitating until substantial emulsion is formed, and recovering nitroxylene.

Pat. 2,403,932. A Low-Freezing Oxidant. July 16, 1946. The freezing point of nitrogen tetroxide is lowered by the addition of nitrous oxide.

Pat. 2,411,502. Treatment of Mineral Oils. Nov. 26, 1946. Constituents of mineral oils are separated by first mixing with nitrocyclohexane and cooling until segregation results.

Pat. 2,417,488. Machine for Testing and Assorting Resistance Elements. Mar. 18, 1947. An apparatus for testing the circuit of blasting caps.

Pat. 2,420,382. Catalytic Reduction of Organic Chloro-Nitro Compounds. May 13, 1947. Catalytic reduction of nitrocompounds comprising reacting hydrogen with a nitrocompound having a halogen atom and a nitro group attached to the same carbon atom in the presence of a platinum hydrogenation catalyst.

SCHEDULE 4

Section 1

Cellulose Derivative Manufacture (Particularly Nitrocellulose) and Methods for Reducing Viscosity Characteristic

Pat. 1,904,406. Method of Reducing the Solution Viscosity of Cellulose. Apr. 18, 1933. Low-viscosity nitrocellulose produced by pretreatment of the cellulose with hydrochloric acid gas before nitration.

Pat. 1,961,251. Reduction of Viscosity of Cellulose Acetate. June 5, 1934. The process of preparing a low viscosity cellulose acetate comprising acetylating cellulose at at least 30° C. and then hydrolyzing at 50–70° C. for about 3¼ hours with a water ratio to original cellulose of substantially 10–100 and a sulphuric acid ratio to original cellulose of substantially 20–100.

Pat. 1,962,132. Organo Metallic Protective Agent. June 12, 1934. Stabilizing nitrocellulose with iron or cobalt salts of naphthalenic or resin acids.

Pat. 1,965,577. Manufacture of Nitrocellulose. July 10, 1934. The step in the nitration of cellulose in which the nitrocellulose is maintained in an inert gas having less than five grains of water per cubic foot, during the separation of the acids of nitration.

Pat. 1,997,766. Process of Preparing Cellulose Nitrate. Apr. 16, 1935. Process of preparing low viscosity cellulose nitrate comprising reducing regenerated cellulose sheeting to the form of small crumpled pieces of single thicknesses, washing to free from material other than regenerated cellulose, and nitrating.

Pat. 2,039,381. Reduction of Viscosity of Cellulose Nitrate. May 5, 1936. Reducing the viscosity of nitrocellulose by treating it with ammonia after nitration.

Pat. 2,077,455. Stabilization of Cellulose Nitrate. Apr. 20, 1937. Process for stabilization of nitrocellulose by treatment with aqueous solution of sodium nitrate.

Pat. 2,102,205. Cellulose Mixed Ethers and Process for the Preparation Thereof. Dec. 14, 1937. Mixed cellulose ethers of the "lorol"-ethyl cellulose type.

Pat. 2,102,799. Process for Dehydrating Cellulose Nitrate. Dec. 21, 1937. Process for dehydrating cellulose nitrate which comprises displacing the water in the press cake initially with dilute alcohol and finally with 95% alcohol until desired water content is reached.

Pat. 2,105,627. Process of Nitrating Cellulose. Jan. 18, 1938. Process for preparation of methyl alcohol soluble cellulose nitrate having a nitrogen content of 11.85 to 12.0% by nitrating at about 45° C. for 20 minutes with a mixed acid containing 30% nitric acid.

Pat. 2,219,644. Process for Nitrating Cellulose. Oct. 29, 1940. Process for preparing cellulose nitrate with a nitrogen content of 10.8 to 11.8% which comprises nitrating cotton linters under controlled conditions with a mixed acid containing 18.5 to 29% of nitric acid and 20 to 22% water.

Pat. 2,268,092. Treatment of Regenerated Cellulose. Dec. 30, 1941. Reducing the solution viscosity of regenerated cellulose by treating pure comminuted regenerated cellulose sheeting with a dilute aqueous nitric acid containing solution of between 0.1 to 2.0% concentration.

Pat. 2,302,558. Treatment of Smokeless Powder. Nov. 17, 1942. Process for reclaiming smokeless powder in which the powder is heated under pressure with dilute ethyl alcohol.

Pat. 2,399,620. Manufacture of Cellulose Nitrate. May 7, 1946. The production of nitrocellulose of medium viscosity from regenerated cellulose scrap, in which the temperature of the nitrating acid is kept low and the ratio of nitric acid is kept high.

Section 2

Adhesives—Shoe Cements, Activators and Processes Related Thereto

Re. 22,301. Cementing Process. May 13, 1943. Process for cementing shoes by means of high-frequency electric current, having a frequency of upwards of 30 megacycles.

Pat. 2,004,466. Abrasive. June 11, 1935. A flexible sheet of abrasive material comprising a base, abrasive material and a coating on said base comprising an antioxidant and a polyhydric alcohol-polybasic acid resin modified with a mixture of drying oils, one of which is China-wood oil.

Pat. 2,047,226. Chemical Process and Chemical Compounds Derived Therefrom. July 14, 1936. A process of laminating and adhesively cementing with an aqueous solution of deacetylated chitin.

Pat. 2,064,802. Adhesive Composition. Dec. 15, 1936. A heat energizable, or thermoplastic cement containing nitrocellulose and a castor oil modified alkyd resin.

Pat. 2,092,050. Composition and Method for Joining Surfaces. Sept. 7, 1937. Method of joining shoe parts, as soles to uppers, by means of applying a cellulose adhesive to at least one of the surfaces to be joined, allowing the adhesive to harden, activating it by applying a solution of 90% propylene oxide and 10% methanol, acetone or acetic acid ester, and immediately joining the surfaces by applying pressure.

Pat. 2,092,084. Composition and Method for Joining Surfaces. Sept. 7, 1937. Method of joining shoe parts, as soles to uppers, by means of a cellulose adhesive which is sufficiently slow in drying to allow the operator to assemble parts before putting them in the pressure device, and yet rapid enough to reduce the drying time in the device. Propylene oxide with or without solvents is used in the adhesive.

Pat. 2,138,699. Container. Nov. 29, 1938. Use of thermoplastic cement in the fabrication of fibre containers in which the metal ends are applied to a paper container with the aid of a thermoplastic cement at a temperature of above 120° C.

Pat. 2,146,034. Laminated Article and Process of Making. Feb. 7, 1939. A process of laminating which comprises adhesively joining two surfaces with a thermoplastic adhesive through application of heat and pressure, said adhesive solids containing cellulose nitrate characterized by a nitrogen content of 9.5 to 11.5% and a viscosity of less than 80 seconds and a solvent plasticizer present at an amount about twice that of the cellulose nitrate.

Pat. 2,184,293. Abrasive. Dec. 26, 1939. An abrasive sheet material comprising a base and abrasive material adhesively bound to the base with a coating comprised essentially of lower aliphatic alcohol modified urea formaldehyde resin.

Pat. 2,208,580. Plastic Adhesive Paste and Method of Producing Same. July 23, 1940. A substantially neutral plastic adhesive composition comprising the coaction product of a resin formed by reaction of hydrochloric acid, tar, Congo gum and urea, said resin being intimately intermixed with ammonium hydroxide, caustic soda, citric acid, casein, borax and water.

Pat. 2,223,575. Adhesive Compositions. Dec. 3, 1940. A heat energizable adhesive capable of forming high joint strength, the non-volatile ingredients of which consist essentially of thermoplastic, non-drying vegetable oil modified alkyd resin, cellulose nitrate and plasticizer dispersed in a liquid volatile solvent vehicle, and wax which is insoluble in the said solvent and incompatible with said non-volatile ingredients.

Pat. 2,234,236. Laminated Material and Process of Making the Same. Mar. 11, 1941. A thermoplastic cement consisting of a combination of a thermoplastic synthetic resin such as a castor oil modified alkyd resin with nitrocellulose, and the use of this product in laminating fabrics.

Pat. 2,281,483. Process of Preparing Laminated Material. Apr. 28, 1942. A thermoplastic adhesive comprising a cellulose derivative and from 0.6 to 5 parts of a synthetic resin compatible therewith for each part of cellulose derivatives.

Pat. 2,283,946. Process for Manufacture of Shoes. May 26, 1942. Process for fastening the soles to shoes by means of a nitrocellulose cement, in which the component parts of the shoe are held in position until the cementing medium has set.

Pat. 2,296,948. Plastics Manufacture. Sept. 29, 1942. Process for bonding cork or similar materials in which the mass is heated by means of high frequency electricity.

Pat. 2,364,790. Treatment of Organic Dielectric Materials With High-Frequency Electric Current. Dec. 12, 1944. Method for heating organic materials by means of high-frequency electric current, in which the organic materials are made susceptible to heating with high-frequency current, by the addition of rutile and brookite titanium dioxide.

Pat. 2,384,034. Polyvinyl Acetal Composition and Cement. Sept. 4, 1945. An adhesive comprising a polyvinyl acetal resin and a monocyclic urea having on each cyclic urea nitrogen a methylol group etherified with volatile alcohol.

Pat. 2,410,414. Adhesive Composition. Nov. 5, 1946. An adhesive resin composition comprising a polyvinyl acetal resin and a small amount of a Werner type organic compound such as stearato chromic acetate.

Pat. 2,436,596. Adhesive and Method of Making Same. Feb. 24, 1948. An adhesive for joining surfaces which have been treated with a waxy or greasy material comprising an emulsion of glue in a volatile solvent for wax or grease.

General Aniline & Film Corporation has placed more than 3,000 patents on the Register of Patents as being available for licensing. The patents are grouped in five sections. Publication began November 2, 1948, and is concluded in this issue. The following patents (Reg. Nos. 14,511 through 14,780) are the balance of Section 4, relating to Photographic—Chemical and Mechanical, Groups 28; 39—12, and Section 5, relating to Diazotype Sensitized Materials and Apparatus, Group 39—12. Inquiries concerning these patents should be addressed to the Patent Department, General Aniline & Film Corporation, 247 Park Ave., New York 17, N. Y.

SECTION 4—Continued

Pat. 2,157,351. Sensitizing Dyes for Photographic Emulsions. May 9, 1939.

Pat. 2,158,287. Sensitizing Silver Halide Emulsion. May 16, 1939.

Pat. 2,159,466. Reversal Development of Light-Sensitive Silver Halide Emulsions. May 23, 1939.

Pat. 2,160,710. Film Spool and Holder. May 30, 1939.

Pat. 2,161,339. Cyanine Dye. June 6, 1939.

Pat. 2,161,788. Photographic Antihalation Layer. June 13, 1939.

Pat. 2,161,909. Adjustable Tripod Top. June 13, 1939.

Pat. 2,162,408. Marking Means for Film Strips. June 13, 1939.

Pat. 2,163,146. Taurides. June 20, 1939.

Pat. 2,163,166. Photographic Developer. June 20, 1939.

Pat. 2,163,776. Copying Camera. June 27, 1939.

Pat. 2,163,781. Photographic Developing Process. June 27, 1939.

Pat. 2,163,820. Photographic Developer. June 27, 1939.

Pat. 2,168,181. Photographic Treating Bath. Aug. 1, 1939.

Pat. 2,168,182. Photographic Material for Color Photography. Aug. 1, 1939.

Pat. 2,168,183. Stereophotography. Aug. 1, 1939.

Pat. 2,168,190. Photographic Enlarging Apparatus. Aug. 1, 1939.

Pat. 2,169,320. Photographic Dyestuff Picture. Aug. 15, 1939.

Pat. 2,169,513. Process for Hardening Albuminous Substances. Aug. 15, 1939.

Pat. 2,169,537. Manufacture of Films. Aug. 15, 1939.

Pat. 2,172,192. Photographic Desensitizing. Sept. 5, 1939.

Pat. 2,172,216. Photographic Developer. Sept. 5, 1939.

Pat. 2,173,480. Manufacture of Photographic Materials. Sept. 19, 1939.

Pat. 2,173,486. Oxazole Trimethinecyanines. Sept. 19, 1939.

Pat. 2,173,491. 2-Alkylhexahydrobenzthiazoles and 2-Alkylhexahydrobenzselenazoles. Sept. 19, 1939.

Pat. 2,176,516. Polarizing Layer. Oct. 17, 1939.

Pat. 2,177,257. Colored Photographic Pictures. Oct. 24, 1939.

Pat. 2,177,632. Production of Colored Pictures. Oct. 31, 1939.

Pat. 2,177,770. Photographic Camera. Oct. 31, 1939.

Pat. 2,178,338. Production of Gelatin Printing Reliefs. Oct. 31, 1939.

Pat. 2,178,612. Photographic Silver Halide Emulsion Layers. Nov. 7, 1939.

Pat. 2,178,882. Color Film with Sound Record. Nov. 7, 1939.

Pat. 2,179,228. Process of Color Photography and Material Therefor. Nov. 7, 1939.

Pat. 2,179,234. Manufacture of Multicolor Photographs. Nov. 7, 1939.

Pat. 2,179,238. Manufacture of Polychrome Pictures. Nov. 7, 1939.

Pat. 2,179,239. Color Photography. Nov. 7, 1939.

Pat. 2,179,244. Silver Halide Emulsion for Color Photography. Nov. 7, 1939.

Pat. 2,180,222. Spool and Container for Sensitized Film or Paper. Nov. 14, 1939.

Pat. 2,180,335. Process for Hardening Albuminous Substances. Nov. 21, 1939.

Pat. 2,180,409. Photographic Material. Nov. 21, 1939.

Pat. 2,181,485. Gelatin Relief. Nov. 28, 1939.

Pat. 2,181,941. Photographic Developer. Dec. 5, 1939.

Pat. 2,181,944. Production of Black-and-White Photographic Pictures. Dec. 5, 1939.

Pat. 2,182,398. Film Spool. Dec. 5, 1939.

Pat. 2,183,068. Motion Picture Camera. Dec. 12, 1939.

Pat. 2,183,764. Photographic Enlarging Apparatus. Dec. 19, 1939.

Pat. 2,183,768. Camera with Exposure Meter. Dec. 19, 1939.

Pat. 2,186,045. Production of Color Photographic Pictures. Jan. 9, 1940.

Pat. 2,186,070. Subtractive Color Film. Jan. 9, 1940.

Pat. 2,186,685. Photographic Color Picture. Jan. 9, 1940.

Pat. 2,186,717. Production of Colored Photographic Pictures. Jan. 9, 1940.

Pat. 2,186,719. Photographic Silver Halide Emulsions. Jan. 9, 1940.

Pat. 2,186,730. Multicolor Photography. Jan. 9, 1940.

Pat. 2,186,731. Production of Colored Photographic Layers. Jan. 9, 1940.

Pat. 2,186,732. Silver Halide Emulsion Color Photography. Jan. 9, 1940.

Pat. 2,186,733. Color Photography. Jan. 9, 1940.

Pat. 2,186,734. Color Photography. Jan. 9, 1940.

Pat. 2,186,735. Silver Halide Emulsions for Color Photography. Jan. 9, 1940.

Pat. 2,186,736. Coupling Compounds for Color Forming Development. Jan. 9, 1940.

Pat. 2,186,849. Manufacture of Photographic Silver Halide Emulsions. Jan. 9, 1940.

Pat. 2,186,850. Color Photography. Jan. 9, 1940.

Pat. 2,186,851. Color Photography. Jan. 9, 1940.

Pat. 2,186,852. Photographic Silver Halide Emulsions. Jan. 9, 1940.

Pat. 2,187,780. Lens System. Jan. 23, 1940.

Pat. 2,188,711. Roll Film Camera with Exposure Meter. Jan. 30, 1940.

Pat. 2,188,779. Self-Sealing Film Roll for Cameras. Jan. 30, 1940.

Pat. 2,194,213. Dyestuffs of the Cyanine Series. Mar. 19, 1940.

Pat. 2,194,591. Apparatus for Projecting Color Films. Mar. 26, 1940.

Pat. 2,194,603. Daylight Photographic Developing Apparatus. Mar. 26, 1940.

Pat. 2,196,036. Subtractive Process for Color Photography. Apr. 2, 1940.

Pat. 2,196,275. Color Photography. Apr. 9, 1940.

Pat. 2,199,542. Sensitizing Silver Halide Emulsions. May 7, 1940.

Pat. 2,200,306. Compound Having Reactive Methylene Groups. May 14, 1940.

Pat. 2,203,036. Apparatus for Measuring the Color of Light. June 4, 1940.

Pat. 2,204,074. Photographic Printing. June 11, 1940.

Pat. 2,204,188. Polymethine Dyes. June 11, 1940.

Pat. 2,204,488. Photographic Camera. June 11, 1940.

Pat. 2,204,668. Picture Sound Film. June 18, 1940.

Pat. 2,205,516. Apparatus for Numbering or Marking Light-Sensitive Photographic Papers. June 25, 1940.

Pat. 2,205,615. Apparatus for the Making of Contact Copies of Films. June 25, 1940.

Pat. 2,205,755. Color Photography. June 25, 1940.

Pat. 2,205,756. Photographic Printing Paper. June 25, 1940.

Pat. 2,205,870. Photographic Filter Layer. June 25, 1940.

Pat. 2,207,388. Transfer Paper. July 9, 1940.

Pat. 2,207,915. Heptamethine Dyestuffs. July 16, 1940.

Pat. 2,207,916. Production of Photographic Color Sound Films. July 16, 1940.

Pat. 2,208,754. Multipack Photography. July 23, 1940.

Pat. 2,208,799. Camera Construction. July 23, 1940.

Pat. 2,209,196. Exposure Control. July 23, 1940.

Pat. 2,210,146. Color Photography. Aug. 6, 1940.

Pat. 2,210,905. Production of Photographic Multicolor Pictures. Aug. 13, 1940.

Pat. 2,211,408. Nonamethine Dyes. Aug. 13, 1940.

Pat. 2,213,382. Apparatus for Compensating for Incorrect Reproduction of Color in Color Photographs. Sept. 3, 1940.

Pat. 2,213,995. Photographic Emulsion. Sept. 10, 1940.

Pat. 2,214,072. Apparatus for the Reversal of Photographic Negatives. Sept. 10, 1940.

Pat. 2,214,446. Photographic Development of Silver Halide Layers. Sept. 10, 1940.

Pat. 2,214,483. Photographic Color Picture. Sept. 10, 1940.

Pat. 2,215,578. Equalization of Photographic Band Films. Sept. 24, 1940.

Pat. 2,217,829. Photographic Developing Paper. Oct. 15, 1940.

Pat. 2,217,861. Camera with Exposure Meter. Oct. 15, 1940.

Pat. 2,220,178. Process of Producing a Sound Track on a Light-Sensitive Color Film. Nov. 5, 1940.

Pat. 2,220,187. Filter Layer for Photographic Color Films and Plates. Nov. 5, 1940.

Pat. 2,220,207. Control Device for a Printing Light. Nov. 5, 1940.

Pat. 2,221,873. Production of Mat Light-Sensitive Photographic Paper. Nov. 19, 1940.

Pat. 2,224,329. Color Photography. Dec. 10, 1940.

Pat. 2,225,439. Apparatus for Intensification of Weak Radiations. Dec. 17, 1940.

Pat. 2,226,602. Automatic Setting Device for Shutters and Diaphragms of Photographic Apparatus. Dec. 31, 1940.

Pat. 2,226,971. Motion Picture Camera. Dec. 31, 1940.

Pat. 2,228,156. Selenoazolidones and Process of Preparing Them. Jan. 7, 1941.

Pat. 2,229,137. Production of Color Photographs. Jan. 21, 1941.

Pat. 2,229,283. Winding Device. Jan. 21, 1941.

Pat. 2,229,289. Photographic Camera. Jan. 21, 1941.

Pat. 2,230,584. Daylight Photographic Developing Tank. Feb. 4, 1941.

Pat. 2,230,590. Color Photographic Process. Feb. 4, 1941.

Pat. 2,230,710. Photographic Printing. Feb. 4, 1941.

Pat. 2,232,056. Production of Color Film Having a Silver Sound Track. Feb. 18, 1941.

Pat. 2,233,006. Roll Film Camera. Feb. 25, 1941.

Pat. 2,233,010. Lighttight Packing for Photographic Film. Feb. 25, 1941.

Pat. 2,235,027. Photographic Sensitizer. Mar. 18, 1941.

Pat. 2,235,033. Combined Sound and Color Picture Film. Mar. 18, 1941.

Pat. 2,238,231. Cyanine Dyestuffs. Apr. 15, 1941.

Pat. 2,238,631. Yellow Fog Inhibitor for Photographic Material. Apr. 15, 1941.

Pat. 2,238,632. Yellow Fog Inhibitor for Photographic Materials. Apr. 15, 1941.

Pat. 2,240,692. Color Photograph. May 6, 1941.

Pat. 2,242,747. Tripack for Producing Photographic Pictures. May 20, 1941.

Pat. 2,243,453. Supporting Spool for Spirally Coiled Film in Film Developing Devices. May 27, 1941.

Pat. 2,243,460. Camera Construction. May 27, 1941.

Pat. 2,245,177. Process of Producing Methine-Cyanine Dyestuffs. June 10, 1941.

Pat. 2,247,569. Process of Hardening and Simultaneously Increasing the Sensitivity of Photographic Silver Halide Emulsions. July 1, 1941.

Pat. 2,247,812. Spool for Cinematograph Films. July 1, 1941.

Pat. 2,248,179. Photographic Developing Apparatus. July 8, 1941.

Pat. 2,248,309. Film Spool Hub. July 8, 1941.

Pat. 2,249,975. Apparatus for Indicating the Amplitude of the Sound Record Made by a Sound-Film Cinematograph Camera. July 22, 1941.

Pat. 2,251,365. Photographic Sensitive Material. Aug. 5, 1941.

Pat. 2,255,128. Pseudocyanine Dye. Sept. 9, 1941.

Pat. 2,251,777. Sensitized Photographic Emulsion. Aug. 5, 1941.

Pat. 2,256,163. Photographic Silver Halide Emulsion. Sept. 16, 1941.

Pat. 2,265,138. Desensitizing of Light Sensitive Silver Halide Emulsions. Dec. 9, 1941.

Pat. 2,265,221. Pyrazolone Derivatives. Dec. 9, 1941.

Pat. 2,265,463. Process to Increase the Viscosity of Aqueous Gelatin Solutions. Dec. 9, 1941.

Pat. 2,265,547. Color Photography. Dec. 9, 1941.

Pat. 2,266,419. Camera Construction. Dec. 16, 1941.

Pat. 2,267,089. Color Photography. Dec. 23, 1941.

Pat. 2,268,630. Color Photography. Jan. 6, 1942.

Pat. 2,268,651. Adhesive Lacquer. Jan. 6, 1942.

Pat. 2,268,662. Production of Matt Photographic Emulsions. Jan. 6, 1942.

Pat. 2,270,287. Roll Film Camera. Jan. 20, 1942.

Pat. 2,272,000. Claw Mechanism for Motion Picture Apparatus. Feb. 3, 1942.

Pat. 2,272,646. Apparatus for the Production of Photographic Printing Light. Feb. 10, 1942.

Pat. 2,273,555. Camera Construction. Feb. 17, 1942.

Pat. 2,274,278. Package. Feb. 24, 1942.

Pat. 2,274,556. Marking the Flaps and the Films for Photographic Film Packs. Feb. 24, 1942.

Pat. 2,275,024. Organic Hexamethine Compound. Mar. 3, 1942.

Pat. 2,275,617. Photographic Strip Film and Strip-Film Paper. Mar. 10, 1942.

Pat. 2,276,548. Production of Photographic Multicolor Pictures. Mar. 17, 1942.

Pat. 2,276,554. Photographic Emulsion. Mar. 17, 1942.

Pat. 2,278,947. Photographic Silver Halide Emulsion. Apr. 7, 1942.

Pat. 2,280,067. Endless Band of Film and Reproducing Apparatus for Its Use. Apr. 21, 1942.

Pat. 2,280,721. Process of Developing Photographic Pictures. Apr. 21, 1942.

Pat. 2,281,273. Photographic Subtractive Multicolor Picture. Apr. 28, 1942.

Pat. 2,282,890. Antihalo Coating for Photographic Material. May 12, 1942.

Pat. 2,285,262. Process and Apparatus for the Printing of Subtractive Multicolor Images. June 2, 1942.

Pat. 2,285,868. Portable Light Stand. June 9, 1942.

Pat. 2,286,662. Color Photography. June 16, 1942.

Pat. 2,288,586. Yellow Fog Inhibitor. June 30, 1942.

Pat. 2,289,133. Camera with Filter. July 7, 1942.

Pat. 2,289,300. Photographic Sensitizer. July 7, 1942.

Pat. 2,289,303. Methine Dyestuffs. July 7, 1942.

Pat. 2,291,673. Production of Printing Forms. Aug. 4, 1942.

Pat. 2,291,834. Color Photographic Reversal Process. Aug. 4, 1942.

Pat. 2,292,021. Manufacture of Cyanine Dyestuffs. Aug. 4, 1942.

Pat. 2,292,575. Dyestuff Intermediate Products from Bile Acid Amides. Aug. 11, 1942.

Pat. 2,293,004. Photographic Color Picture. Aug. 11, 1942.

Pat. 2,294,731. Color Photography. Sept. 1, 1942.

Pat. 2,295,276. Photographic Emulsion. Sept. 8, 1942.

Pat. 2,295,628. Apparatus for the Reversal of Color Negatives. Sept 15, 1942.

Pat. 2,298,093. Production of Photographs in Blue-Black Tones. Oct. 6, 1942.

Pat. 2,298,097. Photographic Printer Mechanism. Oct. 6, 1942.

Pat. 2,300,970. Apparatus for Printing Subtractive Multicolor Images. Nov. 3, 1942.

Pat. 2,303,173. Film Cartridge and Means for Sealing the Same. Nov. 24, 1942.

Pat. 2,303,196. Apparatus for Compensating for Incorrect Reproduction of Color. Nov. 24, 1942.

Pat. 2,303,207. Base Type Range Finder for Medium Ranges and Short Distances. Nov. 24, 1942.

Pat. 2,303,208. View Finder. Nov. 24, 1942.

Pat. 2,303,215. Camera Construction. Nov. 24, 1942.

Pat. 2,303,928. Process for the Production of Photographic Color Images. Dec. 1, 1942.

Pat. 2,304,025. Process for Color Development of Photographic Materials. Dec. 1, 1942.

Pat. 2,304,981. Sensitizing of Photographic Silver Chloride, Chloro-Bromide, and Chloro-Bromo-Iodide Emulsions. Dec. 15, 1942.

Pat. 2,307,161. Color Photography. Jan. 5, 1943.

Pat. 2,307,162. Process for the Production of Color Images. Jan. 5, 1943.

Pat. 2,307,399. Process for the Production of Colored Photographic Images with Dyestuff Formers Fast to Diffusion. Jan. 5, 1943.

Pat. 2,308,005. Process for Removing Dust from Light Sensitive Photographic Emulsions. Jan. 12, 1943.

Pat. 2,309,492. Process for Avoiding Color Fog on Photographic Color Material. Jan. 26, 1943.

Pat. 2,309,515. Photographic Printing Frame. Jan. 26, 1943.

Pat. 2,309,539. Spool Construction. Jan. 26, 1943.

Pat. 2,309,562. Hydrazinoalkyl Sulphonic Acids. Jan. 26, 1943.

Pat. 2,312,004. Production of Photographic and Cinematographic Color Images. Feb. 23, 1943.

Pat. 2,312,068. Process for Sensitizing Photographic Emulsions. Feb. 23, 1943.

Pat. 2,312,153. Sensitizing of Silver Halide Emulsions. Feb. 23, 1943.

Pat. 2,313,138. Production of Color Photographic Images. Mar. 9, 1943.

Pat. 2,313,632. Production of Color Film Having a Silver Sound Track. Mar. 9, 1943.

Pat. 2,316,006. Shutter Release for Folding Cameras. Apr. 6, 1943.

Pat. 2,316,268. Photographic Emulsion. Apr. 13, 1943.

Pat. 2,316,291. Process for Retouching of Subtractive Multicolor Images. Apr. 13, 1943.

Pat. 2,318,605. Apparatus for Developing Photographic Films. May 11, 1943.

Pat. 2,319,102. Adhesive. May 11, 1943.

Pat. 2,319,157. Shutter Release for Folding Cameras. May 11, 1943.

Pat. 2,320,418. Color Photographs. June 1, 1943.

Pat. 2,320,422. Process for the Production of Photographic Color Images. June 1, 1943.

Pat. 2,320,439. Photographic Sensitizer. June 1, 1943.

Pat. 2,320,441. Film Moving and Counter Mechanism. June 1, 1943.

Pat. 2,320,654. Sensitization of Photographic Emulsions. June 1, 1943.

Pat. 2,320,722. Magazine Loaded with Different Sorts of Films. June 1, 1943.

Pat. 2,321,279. Process for the Manufacture of Antihalation Layers. June 8, 1943.

Pat. 2,323,187. Photographic Emulsion. June 29, 1943.

Pat. 2,323,246. Production of Multicolored Motion Pictures with Sound Track. June 29, 1943.

Pat. 2,323,590. Photographic Color Picture. July 6, 1943.

Pat. 2,323,739. Photographic Camera. July 6, 1943.

Pat. 2,324,831. Photographic Emulsion. July 20, 1943.

Pat. 2,324,832. Photographic Emulsion. July 20, 1943.

Pat. 2,326,431. Color Control in Photographic Copying Apparatus and the Like. Aug. 10, 1943.

Pat. 2,326,497. Water-Soluble Nitrogen-Containing Heterocyclic Compound. Aug. 10, 1943.

Pat. 2,326,500. Photographic and Cinematographic Multicolor Images of Correct Color Value. Aug. 10, 1943.

Pat. 2,326,870. Roll Holding Camera Construction. Aug. 17, 1943.

Pat. 2,327,728. Tripod and Other Constructions. Aug. 24, 1943.

Pat. 2,330,905. Soluble Photographic Layer of Colloidal Gums and Process of Conditioning Such Gums for Such Use. Oct. 5, 1943.

Pat. 2,335,107. Film Package. Nov. 23, 1943.

Pat. 2,335,746. Thin Sheet, Film, and the Like. Nov. 30, 1943.

Pat. 2,335,944. Protective and Auxiliary Layers of All Kinds for Photographic Materials. Dec. 7, 1943.

Pat. 2,336,380. Process for the Production of Color Separation Pictures of Correct Tone Value. Dec. 7, 1943.

Pat. 2,336,396. Shutter Release for Folding Cameras. Dec. 7, 1943.

Pat. 2,338,442. Automatic Working Up of Photographic Papers and Films. Jan. 4, 1944.

Pat. 2,341,372. Process for the Production of Photographic Color Images. Feb. 8, 1944.

Pat. 2,341,508. Process for Increasing the Transparency Differences of Sound Records in Multilayer Materials. Feb. 8, 1944.

Pat. 2,343,050. Tripod Improvement. Feb. 29, 1944.

Pat. 2,343,051. Process for Preparing Photographic Silver Halide Emulsions for Multicolor Photography. Feb. 29, 1944.

Pat. 2,343,424. Subtractive Color Photography. Mar. 7, 1944.

Pat. 2,346,329. Photographic Printing Device. Apr. 11, 1944.

Pat. 2,348,463. Production of Color Photographic Images. May 9, 1944.

Pat. 2,349,179. Production of Nitrogenous Heterocyclic Compounds. May 16, 1944.

Pat. 2,352,032. Production of Sound Records. June 20, 1944.

Pat. 2,352,243. Transparency Mount. June 27, 1944.

Pat. 2,352,287. Aminophenol Derivatives. June 27, 1944.

Pat. 2,352,794. Tripod Case. July 4, 1944.

Pat. 2,354,108. Copying Apparatus. July 18, 1944.

Pat. 2,354,121. Matrix Film for the Production of Colored Copies. July 18, 1944.

Pat. 2,354,524. Trimethinecyanine Dyestuffs. July 25, 1944.

Pat. 2,354,552. Color Photographic Image. July 25, 1944.

Pat. 2,357,393. Process for the Production of Photographic Color Images. Sept. 5, 1944.

Pat. 2,357,394. Photographic Emulsion. Sept. 5, 1944.

Pat. 2,357,395. Photographic Emulsion. Sept. 5, 1944.

Pat. 2,365,416. Production of Light Sensitive Photographic Material. Dec. 19, 1944.

Pat. 2,366,324. Production of Color Photographic Images. Jan. 2, 1945.

Pat. 2,373,821. Production of Color Photographic Images. Apr. 17, 1945.

Pat. 2,374,501. Aminophenol Derivatives and Photographic Developers Containing Them. Apr. 24, 1945.

Pat. 2,374,505. Photographic Multi-Color Images. Apr. 24, 1945.

Pat. 2,374,916. Apparatus for the Reversal of Color Photographic Negatives. May 1, 1945.

Pat. 2,376,679. Production of Color Photographic Images. May 22, 1945.

Pat. 2,376,822. Production of Color Photographic Images. May 22, 1945.

Pat. 2,378,779. Dyestuff Intermediate Products. June 19, 1945.

Pat. 2,379,646. Method of Preparing Nonturbid Homogeneous Solutions and Dispersions of Colloids and Products so Prepared. July 3, 1945.

Pat. 2,379,698. Camera and Range Finder. July 3, 1945.

Pat. 2,437,063. Nondiffusing 1-Phenyl-5-Pyrazolone Couplers for Color Photography. Mar. 2, 1948.

Pat. 2,442,283. Emulsion Copolymerization of Vinyl Furane and Styrene. May 25, 1948.

SECTION 5

Diazotype Sensitized Materials and Apparatus

(See also "Dyestuffs" classification)

Pat. 2,096,015. Apparatus for the Development of Light Sensitive Material. Oct. 19, 1937.

Pat. 2,219,584. Apparatus for the Development of Light Sensitive Material. Oct. 29, 1940.

Pat. 2,257,207. Apparatus for the Dry Development of Light Sensitive Material. Sept. 30, 1941.

Pat. 2,299,045. Developing Apparatus. Oct. 13, 1942.

Pat. 2,302,277. Diazotype Dry Development Apparatus. Nov. 17, 1942.

Pat. 2,308,130. Reproducing Apparatus for Light Sensitive Reproduction Media. Jan. 12, 1943.

Pat. 2,350,257. Gaseous Developing Apparatus. May 30, 1944.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 7, 1948

[VOL. 617. NO. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 4

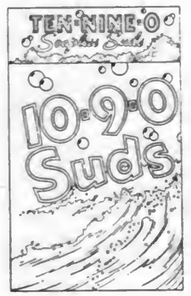
ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 502,797. GERALDINE F. BROWN, doing business as Brown Laboratories, Philadelphia, Pa. Filed May 27, 1946.



FOR ALL-PURPOSE CLEANER.
Claims use since January 1932.

Ser. No. 520,894. PACIFIC POWDER COMPANY, Tenino, Wash. Filed Apr. 17, 1947.



No claim is made to the words "Soapless Suds" and "Suds" apart from their association with the remaining features of the mark.
FOR CLEANING POWDERS.
Claims use since Nov. 15, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 506,014. CYETON PRODUCTS, Los Angeles, Calif. Filed July 22, 1946.

Per-Aid

FOR ANTIPERSPIRANT DEODORANT.
Claims use since July 1, 1946.

Ser. No. 513,875. PIERRE CHARTON, Montreal, Quebec, Canada. Filed Dec. 7, 1946.

CLAIR-OBSCUR
CHIAROSCURO

FOR PERFUMES, TOILET WATERS, COLOGNES AND POMADES, COLD-CREAM, BRILLIANTINES, LIP-STICKS, AND DENTIFRICES.
Claims use since Nov. 1, 1945.

Ser. No. 517,984. FRED THE HAIRSTYLIST, INC., New York, N. Y. Filed Feb. 24, 1947.

FRED *The* HAIRSTYLIST

"The Hairstylist" is disclaimed apart from the combination shown.
FOR COSMETICS—NAMELY, FACE CREAM, HAIR WAVING LOTIONS, LIQUID AND CREAM SHAMPOOS.
Claims use since Mar. 1, 1933.

Ser. No. 521,810. RICHARD HUDNUT, New York, N. Y. Filed May 3, 1947.

success-o-plan

FOR COSMETIC KITS CONTAINING ONE OR MORE OF THE FOLLOWING INGREDIENTS: CLEANSING CREAM, SKIN FRESHENER, FOUNDATION LOTION, FACE POWDER, AND LIPSTICK.
Claims use since Apr. 15, 1947.

CLASS 7

CORDAGE

Ser. No. 505,683. BRITISH ROPES LIMITED, Doncaster, England. Filed July 16, 1946.

BRYANISED

FOR WIRE ROPES (NON-ELECTRIC); CABLES (NON-ELECTRIC).
Claims use since May 1943.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 525,306. O. B. DISTRIBUTORS, South Gate, Calif. Filed July 1, 1947.

COL-R-FAC

The word "Col-R" is disclaimed apart from the mark shown.
FOR LITHOGRAPHING INKS.
Claims use since May 6, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 520,404. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Apr. 9, 1947.

THERMOFLEX

FOR THERMAL INSULATING TAPE AND BLANKET CONSISTING OF A FIBROUS FILLER AND AN ENCLOSING SHEATH, FOR APPLICATION TO PIPE FITTINGS, TURBINES, AND OTHER EQUIPMENT SUBJECT TO HIGH TEMPERATURES.
Claims use since Feb. 5, 1947.

CLASS 15

OILS AND GREASES

Ser. No. 501,868. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind., now by change of name Perfect Circle Corporation. Filed May 10, 1946.

PERFECT CIRCLE CARTONIC

The word "Perfect" is disclaimed apart from the mark.
FOR ADDITIVE HAVING BOTH CHEMICAL AND LUBRICATING PROPERTIES FOR LUBRICATING OILS AND LIQUID FUELS FOR USE PARTICULARLY DURING INTERNAL COMBUSTION MOTOR TUNE-UP OR BREAK-IN.
Claims use since Apr. 8, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 504,486. OSCAR HUGO GUTHEIL, Columbus, Ohio. Filed June 24, 1946.

MAGIAN

FOR PLAYING CARDS, FOR PERFORMING CARD TRICKS, AND PAPER FOLDED ENVELOPES SUITABLE FOR PERFORMING SLEIGHT-OF-HAND MAGIC.
Claims use since Apr. 1, 1946.

Ser. No. 508,600. HAUSEMANN & HÖTTE N. V., Amsterdam, Netherlands. Filed Sept. 6, 1946.

PROFILO

FOR MODELS OF SHIPS, BUILDINGS, MILLS, AEROPLANES, AND THE LIKE, MADE ACCORDING TO SCALE; AND NETS AND BALLS FOR TABLE TENNIS, ALL ARTICLES BEING USED AS TOYS.
Claims use since 1943.

Ser. No. 509,750. CHARLES V. WINTER, Chicago, Ill. Filed Sept. 25, 1946.

"MIRACLE"

FOR COMBINATION GOLF CLUB THAT WILL DRIVE, PITCH, AND PUTT.
Claims use since Sept. 14, 1943.

Ser. No. 512,303. JOHN J. WARSO, doing business as John J. Warso and Company, Youngstown, Ohio. Filed Nov. 8, 1946.

FLYING BOB

No claim is made to the word "Bob" apart from the mark.
FOR CHILDREN'S SLEDS.
Claims use since July 15, 1946.

Ser. No. 521,439. DAVE COOK SPORTING GOODS CO., Denver, Colo. Filed Apr. 28, 1947.

STREAM WING

FOR FISHING FLIES.
Claims use since spring of 1931.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 468,329. NEW PLASTIC CORPORATION, Los Angeles, Calif. Filed Mar. 15, 1944.

NUPLA

FOR PLASTIC HAMMERS AND PLASTIC HAMMER TIPS.
Claims use since Sept. 20, 1940.

Ser. No. 505,667. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed July 15, 1946.

PHILCRAFT

FOR LAWN MOWERS.
Claims use since May 22, 1946.

Ser. No. 507,044. DIAMOND CHAIN COMPANY, INC., Indianapolis, Ind. Filed Aug. 8, 1946.

DIAMOND

FOR POWER TRANSMISSION CHAINS AND PARTS THEREOF, INCLUDING BUT NOT LIMITED TO BICYCLE CHAINS AND MOTORCYCLE CHAINS, SPROCKETS AND SPROCKET WHEELS FOR USE WITH POWER TRANSMISSION CHAINS, CONVEYOR CHAINS AND PARTS THEREOF, AND CHAIN TYPE FLEXIBLE SHAFT-COUPLINGS, AND PARTS THEREOF.
Claims use since Apr. 15, 1896.

Ser. No. 507,045. DIAMOND CHAIN COMPANY, INC., Indianapolis, Ind. Filed Aug. 8, 1946.

DIAMOND

FOR POWER TRANSMISSION CHAINS AND PARTS THEREOF, INCLUDING BUT NOT LIMITED TO BICYCLE CHAINS AND MOTORCYCLE CHAINS, SPROCKETS AND SPROCKET WHEELS FOR USE WITH POWER TRANSMISSION CHAINS, CONVEYOR CHAINS AND PARTS THEREOF, AND CHAIN TYPE FLEXIBLE SHAFT-COUPLINGS, AND PARTS THEREOF.
Claims use since Apr. 15, 1896.

Ser. No. 510,423. CHISHOLM-MOORE HOIST CORPORATION, Tonawanda, N. Y. Filed Oct. 8, 1946.

CM

FOR HOISTS, WINCHES, AND LOAD-CARRYING OVERHEAD TROLLEYS, AND PARTS THEREOF.
Claims use since Dec. 1, 1928, on hoists and parts thereof; since Dec. 28, 1938, on winches and parts thereof; and since Oct. 22, 1930, on overhead trolleys and parts thereof.

Ser. No. 512,097. WHITE AIRCRAFT CORPORATION, Palmer, Mass. Filed Nov. 5, 1946.

WHITE

No claim is made to the word "White" nor to the pictorial representation of North and South America beneath the eagle, except in the association shown.
FOR CARPET SWEEPERS AND PARTS THEREOF.
Claims use since Sept. 30, 1946.

Ser. No. 518,234. THE WILLIAM H. LINGLE CORPORATION, Washington, D. C., assignor to William H. Lingle Company, Washington, D. C., a partnership. Filed Feb. 27, 1947.

SOIL SURGEON

No claim is made to the word "Soil" apart from the mark as shown.

FOR CULTIVATORS, HARROWS, AND PARTS THEREOF.

Claims use since Nov. 15, 1945.

Ser. No. 523,532. THE WM. POWELL COMPANY, Cincinnati, Ohio. Filed June 4, 1947.

SIGNAL

FOR GLASS BODY OIL CUPS.

Claims use since Oct. 1, 1888.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 511,103. OPTIKOTECHNA SOPLECNOST S R. O., Prerov, Czechoslovakia. Filed Oct. 18, 1946.



The representation of a doublet lens is disclaimed apart from the mark. The trade-mark consists of the letters "OP" drawn in a strongly styled manner, these letters being supported by a base resembling a lens.

FOR OPTICAL GLASS PRODUCTS — NAMELY, SIMPLE AND COMBINED LENSES, PRISMS, MIRRORS, FILTERS, FOCUS PLATES, AND PLANE-PARALLEL PLATES, REFLECTORS; PHOTOGRAPHIC APPARATUS, EQUIPMENT, AND ACCESSORIES—NAMELY, CAMERAS, ENLARGING CAMERAS, AERO-CAMERAS, PHOTOGRAMMETRIC AND PANORAMIC CAMERAS; STEREOSCOPES, STEREOSCOPIC COMPARATORS; PROJECTION APPARATUS EQUIPMENT AND ACCESSORIES—NAMELY, LANTERN, SLIDE, MOVING PICTURE, AND STILL PICTURE PROJECTORS, CINEMATOGRAPHS, EPISCOPES, EPIDIASCOPES, SEARCH LIGHTS; SOUND APPARATUS AND ADAPTERS FOR CINEMATOGRAPHS; SIGHTING AND AIMING INSTRUMENTS FOR MILITARY, AVIATION, AND NAVIGATION PURPOSES—NAMELY, OPTICAL AND/OR MECHANICAL SIGHTS FOR GUNS AND FIREARMS, TELESCOPIC SIGHTS, SIGHT ALINEMENT CORRECTORS, AIM-CHECKING INSTRUMENTS, BOMB SIGHTS, PREDICTORS; BALLISTIC INSTRUMENTS; COLLIMATORS; DECLINATORS; MEASURING, RECORDING, AND OBSERVATION INSTRUMENTS AND EQUIPMENT—NAMELY, TELESCOPES, PERISCOPES, THEODOLITES, LEVELS; FIELD GLASSES, SPEEDOMETERS; RANGE FINDERS; DEFLECTION FINDERS; ALTIMETERS; AEROTACHOMETERS; AEROCENTOGRAPHERS; PHOTOMETERS; CALORIMETERS; POLARIMETERS; POLARISCOPES; SPECTROMETERS; SPECTROGRAPHS; SPECTROSCOPES; SPHEROMETERS; X-RAY SPECTROMETERS; TELEMETERS; CHRONOGRAPHS; THERMOSTATS; REFRACTOMETERS; INTERFEROMETERS; TACHOGRAPHS; TACHOMETERS; COMPASSES, STEREOPLANIGRAPHS, TRIANGULATORS, GONIOMETERS; PHYSICAL AND LABORATORY APPARATUS AND INSTRUMENTS—NAMELY, MICROSCOPES, ALCOHOLOMETERS, TITRATION APPARATUS, THERMOMETERS.

Claims use since April 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 525,248. EDWARD REES, Westmount, Ontario, Canada. Filed June 30, 1947.

MARMET

The drawing is lined for shading. The word "Marmet" is an artist-drawn lettering similar to shaded Roman Italic type, with the tail of the "M" extending and underlining the remainder of the name.

FOR WATCHES AND CLOCKS.

Claims use since Nov. 1, 1938.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 513,911. THE VITRON CORPORATION, Wilmington, Del. Filed Dec. 7, 1946.

Vitron

FOR LIQUID FILTERS CONTAINING GLASS FIBERS; MATS BONDED FROM GLASS FIBERS-CONTAINING MATERIALS FOR FILTRATION EQUIPMENT; FRAMES AND GASKETS FOR HOLDING SAID FILTERS; CLAMPS, FIXTURES AND PLUGS FOR MOUNTING SAID FILTERS; GLASS FILLERS AND GRIDS SOLD AS SUB-ASSEMBLIES OR REPLACEMENT PARTS OR PARTS TO BE USED IN FABRICATING SUCH AIR FILTERS BY LICENSEES OR THE LIKE; AND GLASS FIBERS-CONTAINING AIR FILTERS FOR USE IN WARM-AIR HEATING, VENTILATING, AND AIR-CONDITIONING SYSTEMS AND IN WINDOW VENTILATORS.

Claims use since Oct. 30, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 503,372. HEAT MASTER, INC., Long Island, N. Y. Filed June 6, 1946.



The drawing is lined to represent red color.

FOR HEAT CONSERVING APPARATUS FOR FURNACES IN THE FORM OF BAFFLE JACKETS BUILT AROUND STEAM AND WATER BOILERS.

Claims use since Nov. 21, 1943.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 512,281. THE OHIO RUBBER COMPANY, Willoughby, Ohio. Filed Nov. 8, 1946.

AIR-KING

No claim is made to the word "Air" apart from the mark.

FOR CUSHION RUBBER TIRES FOR JUVENILE VEHICLES, HAND TRUCKS, AND THE LIKE.

Claims use since February 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 510,710. MILDRED LITSTER, Gold Hill, Oreg. Filed Oct. 11, 1946.

THE OREGON VORTEX

The word "Oregon" is disclaimed.

FOR ORIGINAL AND SUBSEQUENT ISSUE OF BOOKS AND LEAFLETS RELATING TO THE STATE OF OREGON.

Claims use since May 20, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 474,780. CHOPAK-SOLOW CORPORATION, New York, N. Y. Filed Oct. 2, 1944.

CHARMLITE

FOR SATIN PIECE GOODS MADE OF COTTON AND RAYON FIBERS AND MIXTURES THEREOF.

Claims use since November 1940.

Ser. No. 486,880. TEXAS TEXTILE MILLS, Dallas, Tex. Filed Aug. 7, 1945.

a TEX★TEX Fabric

No claim is made to the exclusive use of the word "Fabric" apart from the mark.

FOR PIECE GOODS—NAMELY, DENIMS, COVERTS, WHIP-CORDS, TICKINGS, DRILLS, TWILLS, SHEETINGS, SUITINGS, WOVEN FROM COTTON, RAYON AND MIXED RAYON-COTTON FIBERS.

Claims use since Jan. 1, 1944.

Ser. No. 490,598. LEVINSOHN TEXTILE CO., New York, N. Y. Filed Oct. 27, 1945.



FOR READY-MADE PILLOW TICKS.
Claims use since Jan. 1, 1945.

Ser. No. 496,140. HOME CURTAIN CORP., Far Rockaway, N. Y. Filed Feb. 7, 1946.

Pekorol

FOR COMPLETELY FABRICATED WINDOW CURTAINS.
Claims use since Nov. 26, 1945.

Ser. No. 524,356. ST. PATRICK'S WOOLLEN MILLS (1942) LTD., Douglas, Eire. Filed June 17, 1947.



The exclusive use of the phrase "Made in Ireland" and the word "Tweed" is disclaimed apart from the mark shown.
FOR OVERCOATINGS AND OTHER PIECE GOODS MADE OF WOOL AND SOLD BY THE PIECE, YARD, OR BOLT.
Claims use since November 1945.

Ser. No. 524,503. WELLINGTON SEARS COMPANY, New York, N. Y. Filed June 19, 1947.

Wellardine

FOR COTTON PIECE GOODS.
Claims use since 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 513,062. ANTHONY P. LEPORE, doing business as Salvo Products, Boston, Mass.

SALVO

FOR BLENDED VEGETABLE OIL FOR FOOD PURPOSES.
Claims use since Oct. 24, 1946.

Ser. No. 522,472. MCKEON CANNING CO., INC., Burbank, Calif. Filed May 16, 1947.

TESTA ROSSA

Applicant owns Reg. No. 183,350. The word "Rossa" is disclaimed apart from the mark.
FOR CANNED TOMATOES.
Claims use since 1934.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 520,184. SOCIETA ANONIMA E. ISOLABELLA & FIGLIO, Milan, Italy. Filed Apr. 4, 1947.



All wording with the exception of "Fior D'Alpe" is disclaimed apart from the mark.
FOR ALCOHOLIC LIQUEURS.
Claims use since January 1906.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 519,870. THE GATES RUBBER COMPANY, Denver, Colo. Filed Mar. 31, 1947.

GATEX

FOR AUTOMOBILE FLOOR MATS AND SHEETING MADE IN WHOLE OR IN PART FROM NATURAL OR SYNTHETIC RUBBER.
Claims use since Feb. 29, 1936.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 532,749. OLD BEN COAL CORPORATION, Chicago, Ill. Filed Aug. 28, 1947. Under section 2f of the act of 1946.

GLEN ROGERS

Applicant claims ownership of registrations Nos. 214,717 and 308,679.
FOR COAL.
Claims use since Sept. 1, 1920.

Ser. No. 534,628. J. M. HUBER CORPORATION, New York, N. Y., and Locust, N. J. Filed Sept. 16, 1947. Under section 2f of the act of 1946.



FOR FILLERS OR PIGMENTS—NAMELY, CARBON BLACKS AND CLAY, HAVING A VARIETY OF INDUSTRIAL USES, AND FOR TACKIFIERS MADE OF PINETREE GUMS AND USED IN COMPOUNDING RUBBER.
Claims use since October 1936.

Ser. No. 540,282. ISLAND CREEK COAL SALES COMPANY, Huntington, W. Va. Filed Nov. 6, 1947.



The exclusive use of the words "Guaranteed Genuine," "Coal," and "Pocahontas" are disclaimed apart from the mark.
FOR COAL.
Claims use since Apr. 1, 1935.

Ser. No. 542,312. HATTON COAL COMPANY, Columbus, Ohio. Filed Nov. 25, 1947. Under section 2f of the act of 1946.

BLUE RIDGE

Applicant claims ownership of registration No. 198,379.
FOR COAL.
Claims use since 1911.

Ser. No. 542,351. RAVEN COALS, INC., Beckley, W. Va. Filed Nov. 25, 1947.



The drawing is lined for the color red. The picture is fanciful.
FOR COAL.
Claims use since Oct. 22, 1947.

Ser. No. 542,353. RAVEN RED ASH COAL CO., INC., Beckley, W. Va. Filed Nov. 25, 1947.

RAVEN

FOR COAL.
Claims use since Feb. 10, 1907.

Ser. No. 546,072. UNIVERSAL ZONOLITE INSULATION COMPANY, Chicago, Ill., now by change of name Zonolite Company, a corporation of Montana. Filed Jan. 2, 1948.

ZONOLITE

Applicant claims ownership of registration No. 216,862.
FOR PERLITE.
Claims use since Dec. 3, 1947.

CLASS 2

RECEPTACLES

Ser. No. 536,349. CLARK GRAVE VAULT COMPANY, Columbus, Ohio. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

CLARK

Applicant claims ownership of registration No. 310,644.
FOR GRAVE VAULTS.
Claims use since 1900.

Ser. No. 544,739. KALAMAZOO PAPER BOX COMPANY, Kalamazoo, Mich. Filed Dec. 18, 1947.

KAL-PAK

No claim is made to the word "Pak" apart from the mark.
FOR BOXES FORMED OF SHEET PLASTIC.
Claims use since Nov. 15, 1947.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 541,712. HARRY L. SINOFF, doing business as Club Funds Projects, Boston, Mass. Filed Nov. 19, 1947.

Poc-O-Pacs

Applicant disclaims right to the exclusive use of the word "Pacs."
FOR MEMO PAD CASES.
Claims use since Oct. 1, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 527,680. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

NON-PAREIL

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since August 1938.

Ser. No. 527,729. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. CONCURRENT USE MARK. Under section 2f of the act of 1946.

LAUNETTE

Applicant claims ownership of registration No. 307,847.
FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since July 1, 1932.

Ser. No. 527,735. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

NO-EQUAL

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since July 1930.

Ser. No. 528,005. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. CONCURRENT USE MARK. Under section 2f of the act of 1946.

SARATOGA

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since December 1927.

Ser. No. 528,029. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947. CONCURRENT USE MARK. Under section 2f of the act of 1946.

ORVUS

Applicant claims ownership of registration No. 304,885.
FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since Nov. 4, 1932.

Ser. No. 540,953. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Nov. 12, 1947.

ZORBALL

FOR LIQUID ABSORBENT AND FLOOR SWEEPING COMPOUND.
Claims use since June 3, 1947.

Ser. No. 542,364. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Nov. 25, 1947. Under section 2f of the act of 1946.

Stalfort's '68

FOR SHOE PASTE AND SHOE CLEANER.
Claims use since Dec. 31, 1926.

Ser. No. 544,456. JOHN J. O'CONNOR, INC., New York, N. Y. Filed Dec. 16, 1947.

MIRAMIDE

FOR ALL-PURPOSE CLEANER.
Claims use since Sept. 9, 1946.

Ser. No. 548,620. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed Feb. 2, 1948.

VICAR STAR

FOR CLEANSER IN POWDER FORM FOR USE IN ELECTRIC DISHWASHING MACHINES.
Claims use since Jan. 7, 1948.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 516,937. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed July 5, 1947.

NUTRAMIGEN

Applicant claims ownership of registrations Nos. 387,310 and 397,676.
FOR HYPO-ALLERGENIC PRODUCT COMPOSED OF A HYDROLYSATE OF PROTEIN, DEXTRIN, MALTOSE, MILK FAT, AND OTHER INGREDIENTS.
Claims use since Dec. 24, 1941.

Ser. No. 520,172. MEAT INDUSTRY SUPPLIERS, INC., Chicago, Ill. Filed Nov. 21, 1947.

FLAVAROMA

FOR CHEMICAL COMPOSITIONS FOR USE IN CURING MEATS.
Claims use since Mar. 14, 1947.

Ser. No. 524,071. E. C. MCKALLOR DRUG COMPANY, Binghamton, N. Y. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

URIC-O

Applicant claims ownership of registration No. 61,454.
FOR REMEDY FOR RHEUMATIC PAINS, NEURALGIA, HEADACHES, AND MUSCULAR ACHES.
Claims use since Aug. 1, 1902.

Ser. No. 527,316. TABLE ROCK LABORATORIES, INC., Greenville, S. C. Filed July 5, 1947.

TABEROC

FOR PREPARATIONS FOR THE TREATMENT OF NEURITIS AND CHILOSCHISIS; VITAMIN B COMPLEX DEFICIENCIES—MALNUTRITION; POLYNEURITIS AND CARDIAC DISTURBANCE; THYROID DEFICIENCIES; ESSENTIAL HYPERTENSION; ANGINA PECTORIS; HYDROCHLORIC ACID DEFICIENCIES—HYPOCHLORHYDRIA; ARTHRITIS; RHEUMATISM AND GOUT; PRIMARY AND SECONDARY ANEMIA; FUNGUS INFECTIONS—EPIDERMIDOMY—AND A SOLUTION TINCTURE AND OINTMENT PREPARATION FOR THE TREATMENT OF BURNS AND FOR USE ON SURGICAL DRESSINGS.
Claims use since January 1939.

Ser. No. 528,544. VICTOR CHEMICAL WORKS, Chicago, Ill. Filed July 12, 1947.

VICTAWET

FOR WETTING AGENTS.
Claims use since January 1946.

Ser. No. 531,695. THE MIDY LABORATORIES, (INC.), New York, N. Y. Filed Aug. 18, 1947. Under section 2f of the act of 1946.

PIPERAZINE-MIDY

The word "Piperazine" is disclaimed except as shown.
Applicant claims ownership of registrations Nos. 371,332 and 184,371.
FOR PREPARATIONS FOR THE TREATMENT OF GRAVEL, STONE, AND OTHER MANIFESTATIONS OF THE URIC-ACID DIATHESIS, AND TO CONTROL THE FORMATION OF URATES AND FOR USE AS AN URINARY ANTISEPTIC.
Claims use since Dec. 1, 1907.

Ser. No. 532,680. BRUNSWICK LABORATORIES, INC., Chicago, Ill. Filed Aug. 28, 1947.

UNDELEX

FOR OINTMENT AND POWDER FOR ATHLETE'S FOOT.
Claims use since May 1947.

Ser. No. 533,577. E. F. HOUGHTON & Co., Philadelphia, Pa. Filed Sept. 5, 1947.

SOFTEX

FOR TEXTILE FINISHING AGENTS, BEING PLASTICIZING AGENTS (OR, SOFTENING AGENTS) FOR USE IN TEXTILE FINISHING BATHS HAVING THE APPEARANCE OF SOFT PASTES WHICH MAY BE SEMI-FLUID. THE PRODUCTS COMPRISE WATER, FATS, AND FATTY DERIVATIVES OF VARYING TYPES AND MAY INCLUDE WAXES ALSO. AMONG THE FATTY DERIVATIVES ARE SOAPS, SULFATED FATS, AND FATTY CONDENSATES WITH AMINES OR POLYHYDRIC ALCOHOLS AND GLYCOLS. THE PRODUCTS MAY BE EITHER CATIONIC, NONIONIC OR ANIONIC.
Claims use since Apr. 26, 1946.

Ser. No. 534,631. J. M. HUBER CORPORATION, Locust, N. J., and New York, N. Y. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

HUBER

FOR CHEMICAL COMPOSITIONS FOR USE IN COMPOUNDING NATURAL OR SYNTHETIC RUBBER—NAMELY, A COMPOSITION FOR TACKIFYING THE SAME, A COMPOSITION FOR ACTIVATING VULCANIZATION ACCELERATORS AND A RESINOUS PLASTICIZING AND TACKIFYING MATERIAL PREPARED FROM PINE TREE GUMS.
Claims use since July 6, 1943.

Ser. No. 534,832. SUN OIL COMPANY, Philadelphia, Pa. Filed Sept. 17, 1947.

PETROFAC

FOR ORGANIC POLAR COMPOUND DERIVED FROM PETROLEUM USED AS AN INGREDIENT OF CUTTING OIL TO PROLONG LIFE AND HAVING A GENERAL USE IN INDUSTRY.
Claims use since July 16, 1947.

Ser. No. 536,097. THE KLENZOID CORPORATION, Philadelphia, Pa. Filed Sept. 29, 1947.

THE KLENZOID CORPORATION KONZOID PHILA. PENNA.

The words "Corporation," "Phila.," and "Penna." are disclaimed apart from the mark.
FOR CHEMICAL PREPARATION USED IN TREATING WATER TO ELIMINATE OXYGEN AND FOR THE REMOVAL AND PREVENTION OF SCALE, SLUDGE, AND OTHER HARMFUL ACCUMULATIONS OR GROWTHS IN CONDENSERS, AIR-CONDITIONING SYSTEMS, AND THE LIKE.
Claims use since May 24, 1946.

Ser. No. 539,949. FRIGID FLUID COMPANY, Chicago, Ill. Filed Nov. 3, 1947.

Frigid

FOR EMBALMING PREPARATIONS.
Claims use since Feb. 24, 1903.

Ser. No. 540,075. INTERNATIONAL RUSTPROOF CORPORATION, Cleveland, Ohio. Filed Nov. 4, 1947. Under section 2f of the act of 1946.

RUSTAREST

FOR CHEMICAL COMPOUNDS IN LIQUID FORM FOR USE AS A RUST PREVENTIVE AND AS A PROTECTIVE COATING FOR METAL.
Claims use since Mar. 15, 1931.

Ser. No. 546,189. COMMERCIAL AND INDUSTRIAL PRODUCTS Co., Childs, Pa. Filed Jan. 5, 1948.

CIPCO THE GLOW of PERFECTION

The lining in the drawing is to indicate shading only. Applicant disclaims the words "The Glow of Perfection."
FOR MOTH SPRAYS, DISINFECTANTS, AND INSECT KILLERS.
Claims use since Aug. 1, 1946.

Ser. No. 549,132. DAGGETT & RAMSDELL, New York, N. Y., assignor to Daggett and Ramsdell, Inc., New York, N. Y., a corporation of Delaware. Filed Feb. 9, 1948.

Gay Manhattan

Applicant claims ownership of registration No. 316,625.
FOR BUBBLE BATH, BATH (BOUDOIR) POWDER, DUSTING POWDER, AND PERFUME.
Claims use on dusting powder since Nov. 29, 1945; on perfume since Nov. 15, 1946; and on bubble bath and boudoir powder since Dec. 19, 1947.

Ser. No. 550,991. BUFFALO FIRE APPLIANCE CORPORATION, Dayton, Ohio. Filed Mar. 2, 1948.

BUFFALO better-built

Applicant claims ownership of registration No. 424,562.
FOR CHEMICAL KITS FOR RECHARGING FIRE EXTINGUISHERS—NAMELY, BICARBONATE OF SODA POWDER AND SULPHURIC ACID FOR SODA-ACID TYPE EXTINGUISHERS, ALUMINUM SULPHATE POWDER AND BICARBONATE OF SODA POWDER FOR FOAM-TYPE EXTINGUISHERS, AND CARBON TETRACHLORIDE FOR VAPORIZING LIQUID TYPE EXTINGUISHERS.
Claims use since July 1940.

Ser. No. 551,217. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Mar. 5, 1948.

VELVA COMPLEXION FILM

The words "Complexion Film" are disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 136,514 and 311,948.
FOR FOUNDATION CREAMS AND LOTIONS.
Claims use since Jan. 20, 1948.

Ser. No. 552,897. SYNCO PRODUCTS COMPANY, INC., doing business as Synco Products, Chattanooga, Tenn. Filed Mar. 24, 1948.

scat

FOR ATMOSPHERIC DEODORANTS.
Claims use since Jan. 12, 1948.

Ser. No. 553,092. ENDO PRODUCTS INC., Richmond Hill, N. Y. Filed Mar. 26, 1948.

PERCODAN

FOR GENERAL ANALGESIC.
Claims use since Jan. 15, 1948.

Ser. No. 554,778. JACINTA FADEROGA, Oakland, Calif. Filed Apr. 16, 1948.

JACI

FOR MEDICINAL PREPARATION FOR TREATMENT OF SKIN ERUPTIONS AND OTHER SKIN AND BLOOD DISORDERS, AND FOR SEXUAL DISEASES, FOR INTERNAL USE.
Claims use since Jan. 1, 1944.

Ser. No. 556,217. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed May 4, 1948.

METSO 99

Applicant claims ownership of registrations Nos. 280,440 and 295,751.
FOR SILICATE OF SODA.
Claims use since February 1934.

Ser. No. 557,161. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed May 15, 1948.

RUDELTIN

FOR PREPARATION USEFUL IN THE TREATMENT OF CONDITIONS OF THE VASCULAR SYSTEM, PARTICULARLY HYPERPIESIA, AND HAVING VASODILATOR AND/OR SEDATIVE PROPERTIES.
Claims use since Apr. 28, 1948.

Ser. No. 560,551. DIMITT'S, Oklahoma City, Okla. Filed July 1, 1948.

Magic Touch

FOR WITCH HAZEL CREAM.
Claims use since Oct. 1, 1926.

Ser. No. 562,609. THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed July 31, 1948. Under section 2f of the act of 1946.

PÓ PRAGUE

No claim is made to the word "PO" apart from the mark as shown. Applicant claims ownership of registrations Nos. 326,877 and 326,878.

FOR SALT COMPOSITION FOR USE IN CURING MEATS AND LIKE ANIMAL PRODUCTS.

Claims use since Apr. 5, 1948.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 534,054. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Sept. 10, 1947. Under section 2f of the act of 1946.

HIGH VELOCITY

FOR AMMUNITION—PARTICULARLY, FIXED AMMUNITION FOR SMALL ARMS AND COMPONENTS THEREOF.

Claims use since Jan. 16, 1925.

Ser. No. 536,892. VERNOR GIPSON, Worth, Ill. Filed Oct. 6, 1947.

"WASP"

FOR SPORTING AND TARGET RIFLES, CARTRIDGE LOADING TOOLS DESIGNED FOR USE IN LOADING AND RELOADING AMMUNITION FOR THESE RIFLES: BULLET SEATING TOOLS AND THE FINISHED AMMUNITION TO FIT THESE RIFLES.

Claims use since July 15, 1939.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 529,884. DOUGLAS CO., Waco, Tex. Filed July 29, 1947.

KURIT

FOR MAT USED AS A COVERING FOR CONCRETE DURING THE SEASONING THEREOF.

Claims use since Apr. 22, 1947.

Ser. No. 530,416. M. J. MERKIN PAINT CO., INC., New York, N. Y. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

MERKIN

Applicant claims ownership of registrations Nos. 261,831 and 413,651.

FOR CAULKING COMPOUNDS AND PLASTIC ROOFING COATINGS, EACH COMPOSED ESSENTIALLY OF ASPHALT COMPOUNDS, ASBESTOS FIBRE, MINERAL FILLERS, AND VOLATILE SOLVENTS; AND WATER-RESISTANT COATINGS FOR EXTERIOR AND INTERIOR USE, COMPOSED ESSENTIALLY OF COVERING PIGMENTS, ASBESTOS COMPOUNDS, MINERAL FILLERS, COMPOUNDS OF DRYING AND SEMI-DRYING OILS, SYNTHETIC RESINS, METALLIC SOAPS, AND VOLATILE SOLVENTS.

Claims use since April 1922.

Ser. No. 530,564. PROTECTION PRODUCTS MANUFACTURING CO., Kalamazoo, Mich. Filed Aug. 5, 1947.

KALASEAL

FOR LIQUID WATER REPELLENT MATERIAL FOR APPLICATION TO BRICK, CONCRETE, AND OTHER MASONRY MATERIALS AND SURFACES.

Claims use since July 11, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 500,708. SPOTNAILS, INC., Evanston, Ill. Filed Oct. 23, 1947.

SPOTSTAPLES

FOR FASTENING ELEMENTS IN THE NATURE OF STAPLES.

Claims use since Feb. 7, 1946.

Ser. No. 529,719. SOUTH CHESTER CORPORATION, Chester, Pa. Filed July 26, 1947.

SOUTHCO

Applicant claims ownership of registration No. 423,069.

FOR ANCHOR NUTS, METAL FASTENERS CONSISTING OF A METAL SCREW AND SPEED NUT FOR FASTENING DOORS, COVERS, PANELS, AND THE LIKE, RIVETS, AND DOOR RETAINING SPRINGS.

Claims use since Dec. 18, 1945.

Ser. No. 531,707. WILLIAM E. PERSINGER, Burbank, Calif. Filed Aug. 18, 1947.

SHINE-BOY

The word "Shine" is disclaimed apart from the mark. Applicant claims ownership of registration No. 438,596.

FOR SHOE HOLDER OF STEEL DESIGNED TO SUPPORT AND TO HOLD STEADY A SHOE WHILE IT IS BEING SHINED.

Claims use since Feb. 8, 1946.

Ser. No. 533,536. CARROLLTON MANUFACTURING COMPANY, Carrollton, Ohio. Filed Sept. 5, 1947.

COOKCRAFT

FOR STAINLESS STEEL COOKING UTENSILS—NAMELY, SAUCE PANS, SAUCE POTS, STOCK POTS, DISH PANS, DOUBLE BOILERS, FRYING PANS, PUDDING PANS, SKILLETS, ROASTERS, MIXING BOWLS, CASSEROLES, COFFEE POTS, TEA KETTLES, PERCOLATORS, SERVERS, DUTCH OVENS, GRIDDLES, PITCHERS, COLANDERS, CAKE SAVERS, PIE PANS, CAKE PANS, INDIVIDUAL CASSEROLES, OBLONG SERVING TRAYS, ROUND BEVERAGE TRAYS, FOOTED BOWLS, DINNER PLATES, SOUP PLATES, SAUCERS, AND CUPS.

Claims use since April 1924.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 539,626. BADGER BRASS & ALUMINUM FOUNDRY CO., Milwaukee, Wis. Filed Oct. 31, 1947.

B A B

FOR ALUMINUM, ALUMINUM BRONZE, MANGANESE, BRONZE, AND COPPER CASTINGS AND EXTRUSIONS.

Claims use since Dec. 15, 1945.

Ser. No. 545,796. TITAN METAL MANUFACTURING COMPANY, Bellefonte, Pa. Filed Dec. 30, 1947.

TI-NIC-O-SIL

FOR CORROSION-RESISTANT NON-FERROUS ALLOY CONSISTING PRIMARILY OF COPPER, ZINC AND NICKEL AND SOLD IN THE FORM OF EXTRUDED AND COLD DRAWN RODS AND SPECIAL SHAPES.

Claims use since Oct. 12, 1932.

Ser. No. 547,147. POOR & COMPANY, Chicago, Ill. Filed Jan. 15, 1948.

Azed

FOR METAL PRODUCTS IN THE FORM OF WIRE, TAPE, OR SHEET PROVIDED WITH A METAL COATING PLATED OUT OF ACID ZINC AND ACID ZINC ALOY ELECTROLYTES BY CONTINUOUS ELECTRODEPOSITION PROCESSES.

Claims use since Jan. 5, 1948.

Ser. No. 550,178. SMALL STEEL CASTINGS, INC., Buffalo, N. Y. Filed Feb. 19, 1948.

SS

FOR LOW CARBON STEEL CASTINGS.

Claims use since Mar. 1, 1947.

CLASS 15

OILS AND GREASES

Ser. No. 526,821. THE PURE OIL COMPANY, Chicago, Ill. Filed July 5, 1947.

PURED

FOR LUBRICATING OILS.

Claims use since May 26, 1924.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 523,010. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich. Filed July 9, 1947. Under section 2f of the act of 1946.

Burroughs

Applicant claims ownership of registrations Nos. 264,908 and 333,110.

FOR ELECTRICAL APPLIANCES—NAMELY, ELECTRIC MOTORS, INTERFERENCE ELIMINATORS, RADIO FILTERS, CONDENSERS, CIRCUIT PROTECTORS, AND THE PARTS THEREOF.

Claims use since Mar. 19, 1947.

Ser. No. 530,860. SERVICE APPLIANCE CORP., Passaic, N. J. Filed Aug. 8, 1947.

PEELMASTER

FOR ELECTRICAL VEGETABLE PEELERS.

Claims use since Feb. 17, 1941.

Ser. No. 532,044. MILLER ELECTRIC CO., Pawtucket, R. I. Filed Aug. 21, 1947.

FOR ELECTRIC DECORATIVE LIGHTING SETS AND PARTS THEREFOR, ELECTRIC CORD SETS, ELECTRIC WIRE AND/OR CABLE, TAPS, CORD CONNECTORS, FUSES, PLUGS, FLUORESCENT BALLASTS, TRANSFORMERS.

Claims use since July 22, 1947.

Ser. No. 544,665. THE SHEPARD ELEVATOR COMPANY, Cincinnati, Ohio. Filed Oct. 23, 1947. Under section 2f of the act of 1946.

SHEPARD

Applicant claims ownership of registration No. 426,071.

FOR ELECTRICALLY OPERATED ELEVATORS FOR PASSENGERS AND FREIGHT.

Claims use since 1921.

Ser. No. 544,678. ADVANCE ELECTRIC AND RELAY CO., Los Angeles, Calif. Filed Dec. 18, 1947.

FOR RADIO RECEIVERS, ELECTRICAL FILTERS FOR RADIO RECEIVERS, LOUD SPEAKERS, AND ELECTRIC RELAYS INCLUDING BOTH ALTERNATING CURRENT RELAYS AND DIRECT CURRENT RELAYS, OF BOTH THE SINGLE-POLE AND MULTIPOLE TYPE.

Claims use since 1927.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 530,982. SPORT PRODUCTS, INC., Cincinnati, Ohio. Filed Aug. 9, 1947. Under section 2f of the act of 1946.

THE SNARE

FOR BASEMAN'S MITTS AND GLOVES.

Claims use since June 1, 1933.

Ser. No. 531,128. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

HETTRICK

Applicant claims ownership of registration No. 276,358.

FOR PLAY POOLS, SAND BOXES, AND SKATE SAILS.

Claims use since Jan. 1, 1917.

Ser. No. 534,125. JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Sept. 11, 1947. Under section 2f of the act of 1947.

Stanley

FOR FISHING RODS, HOOKS, PORK CHUNK, PORK STRIP, AND ARTIFICIAL BAITS.

Claims use since January 1923.

Ser. No. 543,225. QUAKER CITY GEAR WORKS, INC., Philadelphia, Pa. Filed Dec. 3, 1947.

Castomatic

FOR FISHING REELS.

Claims use since Jan. 23, 1946.

Ser. No. 546,009. THE METAL WARE CORPORATION, Two Rivers, Wis. Filed Jan. 2, 1948.

Little Lady

FOR CHILDREN'S TOYS—NAMELY, STOVES, ELECTRIC STOVES, KITCHEN UTENSILS, IRONS, SINKS, AND ELECTRIC IRONS.

Claims use since May 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 510,021. LINK-BELT COMPANY, Chicago, Ill. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

TRU-TRAC

FOR CONVEYORS COMPRISING A SERIES OF WHEEL SUPPORTED CARS MOUNTED FOR TRAVELING OVER RAILS AND USED FOR THE TRANSPORTATION OF FOUNDRY MOLDS.

Claims use since Oct. 10, 1941.

Ser. No. 525,119. SMALLEY MANUFACTURING COMPANY, Manitowoc, Wis. Filed Nov. 14, 1947.

HATCHET MILL

Applicant disclaims the word "Mill" apart from the mark shown.

FOR HAMMER MILLS.

Claims use since April 1940.

Ser. No. 529,488. NORDBERG MANUFACTURING COMPANY, Milwaukee, Wis. Filed July 25, 1947.

BALLASTEX

FOR BALLAST EXCAVATORS—NAMELY, MACHINES TO EXCAVATE RAILWAY TRACKAGE BALLAST, FOR CLEANING OR REPLACING IT.

Claims use since June 6, 1947.

Ser. No. 531,867. THE HENRY G. THOMPSON & SON COMPANY, New Haven, Conn. Filed Aug. 19, 1947. Under section 2f of the act of 1946.

MILFORD

Applicant claims ownership of registrations Nos. 205,047 and 399,376.

FOR HACK SAW BLADES, BAND SAW BLADES, HACK SAW FRAMES, COMPASS SAW BLADES, AND TOOL BITS.

Claims use on hack saw blades since September 1905, on band saw blades since 1932, on hack saw frames since 1933, on compass saw blades since 1932, and on tool bits since January 1938.

Ser. No. 532,255. VIKING PUMP COMPANY, Cedar Falls, Iowa. Filed Aug. 23, 1947.

VIKING PUMPS

FIRST IN AMERICA

Applicant lays no claim to the words "Pumps" and "First In America" nor the representation of the goods apart from the mark. Applicant claims ownership of registrations Nos. 318,563 and 108,409.

FOR ROTARY PUMP STRUCTURE USEABLE AS BOTH A LIQUID PUMP OR A HYDRAULIC MOTOR AND PARTS FOR THE FOREGOING.

Claims use since Apr. 24, 1933.

Ser. No. 532,256. VIKING PUMP COMPANY, Cedar Falls, Iowa. Filed Aug. 23, 1947.

Straitline

The drawing is lined for shading purposes only. Applicant claims ownership of registration No. 315,377.

FOR ROTARY PUMP STRUCTURE USEABLE AS BOTH A LIQUID PUMP OR A HYDRAULIC MOTOR AND PARTS FOR THE FOREGOING.

Claims use since Dec. 19, 1931.

Ser. No. 532,257. VIKING PUMP COMPANY, Cedar Falls, Iowa. Filed Aug. 23, 1947.

VIKING

Applicant claims ownership of registrations Nos. 108,400 and 318,563.

FOR ROTARY PUMP STRUCTURE USEABLE AS BOTH A LIQUID PUMP OR A HYDRAULIC MOTOR AND PARTS FOR THE FOREGOING.

Claims use since Dec. 18, 1911.

Ser. No. 532,562. THE CLEVELAND TRENCHER COMPANY, Cleveland, Ohio. Filed Aug. 27, 1947.



FOR TRENCHING MACHINES, TAMPING MACHINES, BACKFILLING MACHINES, PIPE CRANES, AND PARTS THEREOF.

Claims use since July 1, 1947.

Ser. No. 537,493. NORTHWEST MARINE IRON WORKS, Portland, Oreg. Filed Oct. 10, 1947.



FOR LOGGING AND SAWMILL MACHINERY—NAMELY, LOG HAUL-IN MACHINES, COMBINED LOG HAUL-IN AND SAWING MACHINES, DECK SAWS, RESAWS, AND LOG TURNERS.

Claims use since June 22, 1946.

Ser. No. 540,598. AMERICAN MACHINERY CORPORATION, Orlando, Fla. Filed Aug. 8, 1947. Under section 2f of the act of 1946.

MAY-COBB

Applicant claims ownership of registrations Nos. 485,114 and 420,957.

FOR DISTRIBUTORS OR BROADCASTERS FOR FERTILIZERS, ROAD MATERIALS AND LIKE MATERIALS AND PARTS THEREOF.

Claims use since Jan. 10, 1934.

CLASS 25

LOCKS AND SAFES

Ser. No. 527,924. TALON, INC., Meadville, Pa. Filed July 5, 1947.

TALON

Applicant claims ownership of registrations Nos. 243,746, 250,113, 270,090, 270,773, 271,179, 271,679, 273,995, 319,009, and 415,418.

FOR LOCKS FOR SLIDE FASTENERS, AND MONEY BAGS.

Claims use since Feb. 10, 1928.

Ser. No. 534,443. INDEPENDENT LOCK COMPANY, Fitchburg, Mass. Filed Sept. 13, 1947.

1098 LA

FOR KEY BLANKS.

Claims use since 1935.

Ser. No. 534,444. INDEPENDENT LOCK COMPANY, Fitchburg, Mass. Filed Sept. 13, 1947.

1011

FOR KEY BLANKS.

Claims use since 1918.

Ser. No. 534,445. INDEPENDENT LOCK COMPANY, Fitchburg, Mass. Filed Sept. 13, 1947.

1001 EB

FOR KEY BLANKS.

Claims use since 1918.

Ser. No. 534,446. INDEPENDENT LOCK COMPANY, Fitchburg, Mass. Filed Sept. 13, 1947.

999

FOR KEY BLANKS.

Claims use since 1918.

Ser. No. 534,447. INDEPENDENT LOCK COMPANY, Fitchburg, Mass. Filed Sept. 13, 1947.

1022

FOR KEY BLANKS.

Claims use since 1918.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 536,373. CHARLES FOSTER & CO., INC., New York, N. Y. Filed Oct. 1, 1947.

CHEX

FOR OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES, SUN GLASSES, FRAMES, MOUNTINGS, AND PARTS THEREOF.

Claims use since Jan. 10, 1947.

Ser. No. 547,512. BELL & HOWELL COMPANY, Chicago, Ill. Filed Jan. 20, 1948.

WIDOR

FOR PHOTOGRAPHIC LENSES.

Claims use since Sept. 3, 1947.

Ser. No. 549,582. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 12, 1948.



FOR BATHROOM SCALES.

Claims use since July 15, 1947.

Ser. No. 549,587. K. STENZEL & SONS, INC., New York, N. Y. Filed Feb. 12, 1948.

Glaminettes

FOR SPECTACLE FRAMES AND PARTS THEREOF.

Claims use since Jan. 7, 1948.

Ser. No. 549,738. KOLLMORGEN OPTICAL CORPORATION, Brooklyn, N. Y. Filed Feb. 14, 1948.

Monette

FOR PRISMATIC TELESCOPES.

Claims use since November 1947.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 527,045. EVKOB WATCH CO., New York, N. Y. Filed July 5, 1947. Under section 2f of the act of 1946.

MARMON

Applicant claims ownership of registration No. 235,394.
FOR WATCHES.
Claims use since Oct. 5, 1926.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 524,694. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed Jan. 13, 1948. Under section 2f of the act of 1946.

ORLEANS

FOR STERLING SILVER FLATWARE—NAMELY, FORKS, KNIVES, SPOONS, AND OTHER FLAT TABLE WARE.
Claims use since Sept. 7, 1939.

Ser. No. 524,695. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed Jan. 13, 1948. Under section 2f of the act of 1946.

AMERICA

FOR STERLING SILVER FLATWARE—NAMELY, FORKS, KNIVES, SPOONS, AND OTHER FLAT TABLE WARE.
Claims use since Sept. 7, 1939.

Ser. No. 534,547. OSCAP MFG. CO., INC., Baltimore, Md. Filed Sept. 15, 1947.

CAPALOY

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, FINGER RINGS, BROOCHES, BRACELETS, EARRINGS, PENDANTS, NECKLACES, CHAINS, WATCH BRACELETS, CUFF LINKS, CHARMS, TIE HOLDERS, COLLAR HOLDERS; AND THE FOLLOWING ITEMS ALL MADE IN WHOLE OF, OR IN PART OF PRECIOUS METALS; SPOONS, BUCKLES, CLASPS, EMBLEMS, BILL CLIPS, AND MOUNTINGS FOR PRECIOUS STONES.
Claims use since Apr. 29, 1944.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 529,292. OWENS BRUSH COMPANY, Toledo, Ohio. Filed July 23, 1947. Under section 2f of the act of 1946.

Owens Super Tuft

The words "Super" and "Tuft" are disclaimed apart from the mark. Applicant claims ownership of registration No. 405,743.
FOR TOOTHBRUSHES.
Claims use since December 1942.

Ser. No. 538,837. WINSOR & NEWTON, INC., New York, N. Y. Filed Oct. 23, 1947. Under section 2f of the act of 1946.

LEXINGTON

Applicant claims ownership of registrations Nos. 197,127 and 262,454.
FOR ARTISTS' PAINT BRUSHES.
Claims use since May 15, 1917.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 529,065. THE LIQUID CARBONIC CORPORATION, Chicago, Ill. Filed July 21, 1947. Under section 2f of the act of 1946.

Gasweld

Applicant claims ownership of registration No. 402,889.
FOR WELDING TORCHES, CUTTING TORCHES, BRAZING TORCHES, AND PREHEATING TORCHES.
Claims use since Apr. 15, 1942.

Ser. No. 529,066. THE LIQUID CARBONIC CORPORATION, Chicago, Ill. Filed July 21, 1947. Under section 2f of the act of 1946.

Gasweld

Applicant claims ownership of registrations Nos. 400,001, 400,002, and 402,889.
FOR WELDING TORCHES, CUTTING TORCHES, BRAZING TORCHES, AND PREHEATING TORCHES.
Claims use since Apr. 15, 1942.

Ser. No. 529,475. KISCO BOILER & ENGINEERING CO., St. Louis, Mo. Filed July 25, 1947.

KISCO

FOR CABINET TYPE BOILERS; BOILER FEED SYSTEMS; EXHAUST FANS; RETURN SYSTEMS FOR USE IN STEAM BOILERS, AND UNIT HEATERS.
Claims use since May 1928.

Ser. No. 532,279. DETROIT-MICHIGAN STOVE COMPANY, Detroit, Mich. Filed August 25, 1947.

GARLAND

Applicant claims ownership of registrations Nos. 91,977 and 92,902.
FOR HEATING AND COOKING STOVES, FURNACES, AND RANGES USING COMBUSTIBLE MATERIAL.
Claims use since Dec. 10, 1882.

Ser. No. 533,434. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed July 5, 1947.

AQUA MASTER

Applicant claims ownership of registration No. 388,179.
FOR WATER HEATERS AND PARTS THEREOF, USING SOLID AND LIQUID FUELS.
Claims use since Feb. 16, 1938.

Ser. No. 533,435. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed July 5, 1947.

ZEPH OILATOR

Applicant claims ownership of registration No. 369,020.
FOR OIL AND GAS BURNING FURNACE UNITS.
Claims use since Jan. 11, 1939.

Ser. No. 533,439. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed July 5, 1947.

ZONE QUEEN

Applicant claims ownership of registration No. 363,856.
FOR GAS AND OIL BURNING FURNACES AND BOILERS.
Claims use since Aug. 3, 1938.

Ser. No. 533,779. ALBERT P. ROBINSON, Seattle, Wash. Filed Sept. 8, 1947.

TRISTOP

Applicant claims ownership of registrations Nos. 175,701 and 158,056.
FOR CAST IRON AND STEEL FIREPLACE THROAT FRAMES AND DAMPERS.
Claims use since Aug. 15, 1921.

Ser. No. 534,766. GENERAL MACHINE COMPANY, INC., Emmaus, Pa. Filed Sept. 17, 1947.



The word "Electric," the representation of a stoker retort and the representation of a label per se are disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 188,711 and 296,922.
FOR AUTOMATIC COAL BURNERS AND STOKERS.
Claims use since Jan. 12, 1924, on "Electric Furnace-Man"; and since Sept. 13, 1938, in the form shown.

Ser. No. 536,122. NICHOLS ENGINEERING & RESEARCH CORPORATION, New York, N. Y. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

HERRESHOFF

Applicant claims ownership of registration No. 207,436.
FOR FURNACES FOR INCINERATION, ROASTING, CALCINING, AND DRYING PURPOSES, AND PARTS THEREFOR.
Claims use since 1896.

Ser. No. 537,494. THE NORWALK AIRCONDITIONING CORP., South Norwalk, Conn. Filed Oct. 10, 1947.

NORWALKER

FOR HOUSE AND BUILDING HEATING FURNACES FOR USE WITH COAL, GAS, AND OIL.
Claims use since Sept. 30, 1947.

Ser. No. 542,432. BARRIDON OIL BURNER CORPORATION, Hartford, Conn. Filed Nov. 26, 1947.

BARRIDON

FOR RANGE OIL BURNERS, WATER HEATERS, COOK STOVES, CIRCULATING HEATERS, AND RANGE BURNER ACCESSORIES—NAMELY, CONSTANT LEVEL VALVES, OIL TANKS, BURNERS, CAPS, AND LIGHTERS.
Claims use since Oct. 10, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 511,974. ARROWHEAD RUBBER COMPANY, Vernon, Calif. Filed July 5, 1947.

ARROWHEAD

FOR THE FOLLOWING ITEMS, MADE WHOLLY OR IN PART FROM RUBBER OR RUBBER SUBSTITUTES OR FROM SYNTHETIC RESINS: NONMETALLIC WASHERS; NONMETALLIC FAUCET CUSHIONS; NONMETALLIC SPACERS FOR SPACING APART TWO OR MORE OBJECTS; GASKETS; GROMMETS; NONMETALLIC DIAPHRAGMS OF THE TYPE WHICH ARE MOVED OR EXPANDED BY FLUID PRESSURE; NONMETALLIC PLUGS FOR CLOSING OPENINGS; O RINGS, COMPRISING NONMETALLIC ANNULI FOR PACKING, FLUID SEALING, ETC.; BELTING; HOSE; WIRE WRAPPED HOSE; FLUID SEALING MEMBERS FOR PREVENTING PASSAGE OF FLUID BETWEEN TWO CHAMBERS ON EITHER SIDE OF THE SEALING MEMBERS, NONMETALLIC FITTINGS FOR JOINING TOGETHER, BLOCKING OFF, OR EXTENDING HOSE, FLEXIBLE DUCTS, ETC.; NONMETALLIC DUCTS FOR CONDUCTING FLUIDS; FLEXIBLE DUCTS FOR CONDUCTING FLUIDS; OIL WELL PACKERS AND SLEEVES; AND NONMETALLIC TIRES.
Claims use since June 1939.

Ser. No. 522,134. L. J. MILEY COMPANY, Chicago, Ill. Filed Aug. 14, 1947.

GOLD SEAL

Applicant claims ownership of registration No. 315,410.
FOR BRAKE LININGS.
Claims use since July 1, 1933.

Ser. No. 522,136. L. J. MILEY COMPANY, Chicago, Ill. Filed Aug. 14, 1947. Under section 2f of the act of 1946.

MILEY

FOR BRAKE LININGS, CLUTCH FACINGS, AND FAN BELTS.
Claims use since January 1939.

Ser. No. 554,782. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 16, 1948.

WELDSTITCH

FOR INNER TUBES FOR VEHICLE TIRES.
Claims use since Feb. 27, 1948.

Ser. No. 555,427. THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed Apr. 23, 1948.

AIRFLO CHIEF

Applicant claims ownership of registrations Nos. 379,934, 389,265, and others.
FOR PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Apr. 14, 1948.

Ser. No. 555,428. THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed Apr. 23, 1948.

BIG CHIEF

Applicant claims ownership of registrations Nos. 379,934, 389,265, and others.
FOR PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Apr. 14, 1948.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 529,527. C. G. CONN, LTD., Elkhart, Ind. Filed July 18, 1947. Under section 2f of the act of 1946.

Leedy

Applicant claims ownership of registrations Nos. 269,805 and 362,684.
FOR BAND AND ORCHESTRA INSTRUMENTS AND SUPPLIES—VIZ., DRUMS, SNARE DRUMS, BASS DRUMS, DRUM STANDS, DRUM PEDALS AND BEATERS, DRUMHEADS, DRUMSTICKS, DRUM SLINGS, DRUM SPURS, DRUMSTICK HOLDERS, DRUM-HOOP ADAPTERS, DRUM SNARES, DRUM PRACTICE PADS, SNARE-DRUM TONE CONTROLS, DRUM RODS FOR SNARE AND BASS DRUMS, DRUM RODS AND PARTS, SNARE STRAINERS, DRUM-BELT HOOKS AND EYES, DRUM ROPES, DRUM EARS, DRUM RACKS, DRUM ROLLER CORD HOOKS, BASS-DRUM CARRIAGES, COMBINED DRUM STAND AND CYMBAL HOLDERS, CYMBALS, CYMBAL BEATERS, CYMBAL PADS, CYMBAL HANGERS, CYMBAL HOLDERS, CYMBAL STRAPS AND HANDLE, CYMBAL PEDALS, CYMBAL STICKS, CYMBAL SIZZLE ATTACHMENT, TRAP RAILS, TRAP CONSOLES (WHEELED AND SLIDING), TRAP HOLDERS, CONSOLE TRAP HOLDERS, CYMBAL AND TOM-TOM AND GONG STANDS, TRAP TREES, TRAP-TREE TRAP HOLDERS, TRAP TABLES, TRAP-TABLE TRAP HOLDERS, TYMPANI, TYMPANI HEADS, TYMPANI STICKS, TOM-TOMS, TOM-TOM STANDS, TOM-TOM HEADS, TEMPLE BLOCKS, TEMPLE-BLOCK STANDS, TEMPLE-BLOCK HOLDERS, RATTLES, COMBINATION HOLDERS FOR TRAPS, COWBELL SINGLE HOLDERS, COWBELL DOUBLE HOLDERS, TRIANGLES, TRIANGLE HOLDERS, TAMBOURINES, TAMBOURINE HOLDERS, TAMBOURINE HEADS, CASTANETS, SLAP STICKS, JINGLE CLOGS, CLOG MALLETS, WHISTLES, CHIMES, HORNS (MUSETTES), SONG WHISTLES, BIRD WHISTLES, THREE-TONE WHISTLES, WOOD WHISTLES (CUCKOO), JAZZ BRUSHES, AND GONG STICKS, MALLETS FOR BELL XYLOPHONES, MALLETS FOR MARIMBA XYLOPHONES, PARADE MUSIC HOLDERS, BATONS, BUGLES, TRUMPETS, FIFES, WHISTLES (DRUM MAJORS'), MUSICAL INSTRUMENTS IN THE XYLOPHONE CLASS HAVING METAL RESONATING BARS, SOLO-TONE BELLS, STANDARD BELLS, BELL STANDS, FOLDING BELL STANDS, TYMPANI PEDALS, TYMPANI STANDS, TYMPANI PITCH PIPES, XYLOPHONES, XYLOPHONE CASES, XYLOPHONE-MALLET HOLDERS, MARIMBA XYLOPHONES, MARIMBA XYLOPHONE MALLETS, STANDS FOR XYLOPHONES, WHEELS FOR XYLOPHONE STANDS, SPLIT FRAMES AND RESONATORS FOR XYLOPHONES, XYLOPHONE RESONATOR ADJUSTERS, XYLOPHONE LEGS (ADJUSTABLE), XYLOPHONETTES, CHORD CHIMES, CHORD-CHIME RACKS, SMALL CHIMES, CATHEDRAL CHIMES, CHIME MALLETS, STUDIO TUNING BARS, AND EQUIPMENT FOR SOUND EFFECTS—NAMELY, COWBELLS, POP-GUNS, ANVILS, TWO-TONE LOCOMOTIVE WHISTLE, THREE-TONE LOCOMOTIVE OR STEAMBOAT WHISTLE, OCEAN WHISTLE; MIMICAL INSTRUMENTS FOR IMITATING A ROOSTER (DUNGHILL), ROOSTER (SHANGHAI), ROOSTER (BANTAM), HEN CACKLE, PEACOCK, JAY BIRD, BABY CRY, BOB-WHITE, ALSO DUCK CALL, COW BAWL, DOG BARK, AND COMEDY HOWL, AND SLEIGH BELLS, LOCOMOTIVE AND FIRE BELL PLATE, LOCOMOTIVE IMITATION, HORSE HOOFS, SAND BLOCKS.
Claims use since Feb. 15, 1903.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 535,643. STEEL PUBLICATIONS, INC., Pittsburgh, Pa. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

Blast Furnace and Steel Plant

Applicant claims ownership of registration No. 340,257.
FOR MAGAZINE RELATING TO THE PRODUCTION OF STEEL.
Claims use since August 1928.

Ser. No. 543,564. CABALLEROS DE DIMAS-ALANG, INC., San Francisco, Calif. Filed Dec. 6, 1947. COLLECTIVE MARK.

CABALLEROS DE DIMAS-ALANG INC.

FOR BOOKS AND PERIODICALS PUBLISHED FROM TIME TO TIME.
Claims use since Jan. 22, 1921.

CLASS 39

CLOTHING

Ser. No. 514,775. PORTIS STYLE INDUSTRIES, INC., Chicago, Ill. Filed May 27, 1948.

Breeze Cap
COOL AS A BREEZE

The expression "Cool as a Breeze" and the word "Cap" are disclaimed apart from the mark.
FOR HATS AND CAPS FOR MEN AND BOYS.
Claims use since Feb. 1, 1924.

Ser. No. 517,031. LEONARD BECK, Roosevelt, Long Island, N. Y. Filed Feb. 28, 1948.

ROBIN RED BREAST

FOR CHILDREN'S BLOUSES, PINAFORES, SUN SUITS.
Claims use since Dec. 12, 1946.

Ser. No. 524,706. HODGMAN RUBBER COMPANY, Framingham, Mass. Filed Nov. 29, 1947. Under section 2f of the act of 1946.

WADEWELL

FOR WATERPROOF FISHING BOOTS AND ARMPIT HEIGHT BOOTS.
Claims use since 1933.

Ser. No. 529,311. SALANT & SALANT, INC., New York, N. Y. Filed July 23, 1947. Under section 2f of the act of 1946.

MANSIZE JUNIOR

The word "Junior" is disclaimed apart from the mark. Applicant claims that the mark presented has become distinctive and evidence supporting such claim is of record in the application file. Applicant claims ownership of registration No. 183,298.
FOR MEN'S AND BOYS' WORK SHIRTS.
Claims use since Jan. 1, 1915, on "Mansize"; and since June 16, 1947, in its present form.

Ser. No. 534,393. SUMMERS MANUFACTURING CO., Los Angeles, Calif. Filed Sept. 12, 1947.

Summers california

The word "California" is disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 204,774 and 204,775.
FOR MEN'S, WOMEN'S, AND CHILDREN'S SLACKS, TROUSERS, JACKETS, COATS, OUTING AND WORK SHIRTS, OUTING AND WORK BREECHES, SWEATERS, COTTON PANTS, WOOL PANTS, BELTS FOR PERSONAL WEAR, LEGGINGS, PUTTIES, KNICKERS, HATS, AND CAPS.
Claims use since Jan. 1, 1919.

Ser. No. 536,466. VALLEY SHOE CORPORATION, St. Louis, Mo. Filed Oct. 1, 1947.

Valley

FOR FOOTWEAR—NAMELY, SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Nov. 1, 1946.

Ser. No. 537,142. BURGIO BROS., INC., New York, N. Y. Filed Oct. 8, 1947. Under section 2f of the act of 1946. Applicant claims ownership of registration No. 400,486.

Hug Snug

FOR HOSIERY.
Claims use since December 1941.

Ser. No. 537,245. SACO-MOC SHOE CORPORATION, Portland, Maine. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

SNUGS

FOR MOCCASINS AND SHOES OF LEATHER OR FABRIC OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since March 1946.

Ser. No. 543,929. INDERA MILLS COMPANY, Winston-Salem, N. C. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

Coldpruf

FOR BATHING SUITS, LADIES', CHILDREN'S, AND MISSES' KNITTED AND WOVEN SLIPS, LADIES' KNITTED AND WOVEN UNDERSKIRTS (PETTICOATS), PAJAMAS, AND NIGHTGOWNS, LADIES' PANTIES, DANCE SUITS, BLOUSES, SWEATERS, SKIRTS, AND KNITTED AND WOVEN DRESSES.
Claims use since Dec. 12, 1921.

Ser. No. 547,382. S. H. KRESS AND COMPANY, New York, N. Y. Filed Sept. 16, 1947.

CYCLOPS

Applicant claims ownership of registration No. 236,934.
FOR HOSIERY.
Claims use since July 5, 1927.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 550,699. INTERNATIONAL BRAID COMPANY (1947), Providence, R. I. Filed Feb. 27, 1948. Under section 2f of the act of 1946.

AUBURN

Applicant claims ownership of registration No. 246,814.
FOR SHOE LACINGS, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, TAPES, BELTINGS, BINDINGS, GALLOONS, AND BANDINGS, ALL OF WHICH ARE WOVEN OR BRAIDED OF COTTON, RAYON, SILK, OR WORSTED.
Claims use since May 1919.

Ser. No. 550,703. INTERNATIONAL BRAID COMPANY (1947), Providence, R. I. Filed Feb. 27, 1948. Under section 2f of the act of 1946.

TYBRAIDS

Applicant claims ownership of registration No. 386,894.
FOR LACINGS FOR WEARING APPAREL.
Claims use since Feb. 13, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 525,477. CARTER DRY GOODS COMPANY, INCORPORATED, Louisville, Ky. Filed Nov. 25, 1947. Under section 2f of the act of 1946.

KENTUCKY

Applicant claims ownership of registration No. 248,993.
FOR TOBACCO BED COVERS.
Claims use since Jan. 6, 1930.

Ser. No. 527,818. PLARACOT COMPANY, Chicago, Ill. Filed July 5, 1947.

PLARACOT

FOR NON-WOVEN CELLULOSE SHEET MATERIAL IN THE NATURE OF CLOTH, USED FOR TOWELING, AND WASHING, CLEANING, AND DUSTING CLOTHS.
Claims use since Sept. 16, 1946.

Ser. No. 531,095. CHARMETTE FABRICS COMPANY, INC., New York, N. Y. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

VERIFIRM

Applicant claims ownership of registration No. 343,404.
FOR RAYON CLOTH IN THE PIECE.
Claims use since Jan. 10, 1936.

Ser. No. 534,424. FEIST FABRICS, INC., New York, N. Y. Filed Sept. 13, 1947.

BROADWAY BRAND

The word "Brand" is disclaimed apart from the mark. Applicant claims ownership of registration No. 398,882.
FOR PIECE GOODS OF VINYL PLASTIC SHEETING (NON-RIGID TYPE), PLAIN, PRINTED, OR EMBOSSED.
Claims use since Sept. 8, 1947.

Ser. No. 536,489. BENROSE FABRICS CORPORATION, New York, N. Y. Filed Oct. 2, 1947.

Surf'n Sun

FOR TEXTILE FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS.
Claims use since January 1936.

Ser. No. 545,527. PENDLETON WOOLEN MILLS, Portland and Pendleton, Oreg. Filed Dec. 26, 1947. Under section 2f of the act of 1946.

Beaver State

Applicant claims ownership of registration No. 185,075.
FOR PIECE GOODS OF WOOL AND COTTON, FURNITURE SHAWLS, INDIAN SHAWLS IN THE NATURE OF BLANKETS, AND AUTOMOBILE ROBES.
Claims use since Nov. 13, 1911.

Ser. No. 548,433. ALFRED VAMOS, INC., New York, N. Y. Filed Jan. 30, 1948.

Vamos

FOR ELASTIC TEXTILE FABRICS SOLD IN THE PIECE, AND ELASTIC WEBBING SOLD AS PIECE GOODS.
Claims use since June 1938.

Ser. No. 548,936. DAVID CRYSTAL, INC., New York, N. Y. Filed Feb. 6, 1948.

LALIQUE

FOR TEXTILE FABRICS IN THE PIECE OF NYLON, RAYON, AND COTTON.
Claims use since Sept. 8, 1947.

Ser. No. 551,172. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Mar. 4, 1948. Under section 2f of the act of 1946.

DUPONT

Applicant claims ownership of registrations Nos. 281,193 and 373,566.
FOR PLASTIC-COATED FABRICS OF SILK, COTTON, AND SYNTHETIC FIBERS, AND PLASTIC FILM IN SHEETS OR ROLLS FOR UPHOLSTERING AND FOR MAKING INTO HANDBAGS, TABLECLOTHS, AND THE LIKE.
Claims use since Mar. 28, 1940.

551,206. SUSQUEHANNA MILLS, INC., New York, N. Y. Filed Mar. 4, 1948.

Adventure

FOR WOOL COVERT FABRICS IN THE PIECE.
Claims use since Mar. 1, 1948.

Ser. No. 551,810. NATIVE LACES & TEXTILES, INCORPORATED, New York, N. Y. Filed Mar. 12, 1948.

First Flex

Applicant disclaims the word "Flex" apart from the mark.
FOR KNITTED AND WOVEN STRETCHABLE FABRICS IN THE PIECE MADE OF COMBINATIONS OF RUBBER WITH EITHER COTTON, RAYON, OR NYLON YARN OR COMBINATIONS THEREOF.
Claims use since Feb. 14, 1947.

Ser. No. 556,872. CANNON MILLS COMPANY, Kannapolis, N. C. Filed May 12, 1948.

Wondercombed

FOR SHEETS AND PILLOWCASES.
Claims use since April 1948.

Ser. No. 558,012. CROMPTON COMPANY, West Warwick, R. I. Filed May 28, 1948.

RAINAWAY

FOR FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, RAYON, NYLON, CELLULOSE ACETATE, PROTEIN FIBERS, OR MIXTURES THEREOF.
Claims use since May 14, 1948.

Ser. No. 558,287. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed June 2, 1948.

Px

FOR PLASTIC IMPREGNATED FABRICS OF COTTON, LINEN, AND SYNTHETIC FIBERS USED FOR BOOKBINDING AND THE LIKE.
Claims use since October 1932.

CLASS 43

THREAD AND YARN

Ser. No. 534,968. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

GENEVA

Applicant claims ownership of registration No. 146,629.
FOR THREAD.
Claims use since 1897.

Ser. No. 534,969. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

SUISSE

Applicant claims ownership of registration No. 146,630.
FOR THREAD.
Claims use since December 1905.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 504,040. THE KARL DOUGLAS CO., Inglewood, Calif. Filed Aug. 12, 1947.

Troya

FOR NAIL FILES.
Claims use since Jan. 17, 1946.

Ser. No. 538,565. ROGER RUBBER PRODUCTS, INC., Los Angeles, Calif. Filed Oct. 21, 1947.

ROGER (O.K.)

FOR PROPHYLACTIC (RUBBER) ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since Mar. 15, 1947.

Ser. No. 538,853. BECTON DICKINSON AND COMPANY, Rutherford, N. J. Filed Oct. 24, 1947.

B-D

Applicant claims ownership of registration No. 120,240.
FOR HYPODERMIC SYRINGES AND PARTS THEREOF, BULB SYRINGES AND PARTS THEREOF, BLOOD SEDIMENTATION TUBES, VETERINARY HYPODERMIC SYRINGES AND PARTS THEREOF, VETERINARY DOSE SYRINGES AND PARTS THEREOF, VETERINARY NEEDLES, VETERINARY MILKING TUBES, CLINICAL THERMOMETERS, ELASTIC BANDAGES, ADHESIVE BANDAGES, STETHOSCOPES, MANOMETERS USED FOR TESTING BLOOD PRESSURE, VENOUS PRESSURE, SPINAL PRESSURE AND UTEROSALPINGOGRAPHY, DENTAL HYPODERMIC SYRINGES AND PARTS THEREOF, DENTAL WATER SYRINGES AND PARTS THEREOF, DENTAL NEEDLES, DENTAL CHIP BLOWERS, STERILE CONTAINERS AND STERILIZING CASES FOR CLINICAL THERMOMETERS, HYPODERMIC SYRINGES AND HYPODERMIC NEEDLES, INSTRUMENTS FOR THE COLLECTION OF BLOOD SPECIMENS.
Claims use since November 1915.

Ser. No. 538,855. BECTON DICKINSON AND COMPANY, Rutherford, N. J. Filed Oct. 24, 1947.

ACE

Applicant claims ownership of registration No. 130,635.
FOR ELASTIC BANDAGES, ADHESIVE BANDAGES, ADHERENT COMPOUNDS FOR ATTACHING SURGICAL DRESSINGS OR BANDAGES TO THE SKIN, AND BANDAGE FASTENING CLIPS.
Claims use since Nov. 29, 1918.

Ser. No. 538,856. BECTON DICKINSON AND COMPANY, Rutherford, N. J. Filed Oct. 24, 1947.

ASEPTO

Applicant claims ownership of registration No. 298,351.
FOR SYRINGES OF THE BULB TYPE AND OF THE PISTON TYPE USED FOR HYPODERMIC WORK, IRRIGATION, ASPIRATION, INJECTIONS, AND DOUCHING, HYPODERMIC NEEDLES, AND CLINICAL THERMOMETERS.
Claims use since 1900.

Ser. No. 538,861. BECTON DICKINSON AND COMPANY, Rutherford, N. J. Filed Oct. 24, 1947.

TRIPLE-CHANGE

Applicant claims ownership of registration No. 413,839.
FOR STETHOSCOPES.
Claims use since 1935.

Ser. No. 538,862. BECTON DICKINSON AND COMPANY, Rutherford, N. J. Filed Oct. 24, 1947.

RED FLASH

Applicant claims ownership of registration No. 426,195.
FOR CLINICAL THERMOMETERS.
Claims use since Jan. 1, 1938.

Ser. No. 538,863. BECTON DICKINSON AND COMPANY, Rutherford, N. J. Filed Oct. 24, 1947.

CHAMPION

Applicant claims ownership of registration No. 135,392.
FOR VETERINARY NEEDLES AND VETERINARY SYRINGES, PILL INJECTORS, ANIMAL MILKING-TUBES, TEAT PLUGS, AND CLINICAL THERMOMETERS.
Claims use since 1914.

Ser. No. 548,090. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed Jan. 27, 1948.

AMISET

FOR APPARATUS DESIGNED TO AID IN THE INTRODUCTION OF FLUID BY PARENTERAL ROUTES.
Claims use since Oct. 3, 1947.

Ser. No. 550,002. WYETH INCORPORATED, Philadelphia, Pa. Filed Feb. 17, 1948. Under section 2f of the act of 1946 as to the word "Wyeth."



Applicant claims ownership of registrations Nos. 68,110, 104,497, and 319,304.
FOR GASTRIC DRIP APPARATUS, INHALERS, INSUFFLATORS, HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, AND NASAL APPLICATORS.
Claims use since Feb. 16, 1945.

Ser. No. 550,196. ABBOTT LABORATORIES, North Chicago, Ill. Filed Feb. 20, 1948.

AEROHALOR

FOR DEVICE INTENDED TO FACILITATE THE INHALATION OF MEDICAMENTS IN DRY COMMINUTED FORM.
Claims use since Dec. 17, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 500,714. TWIN PACKING COMPANY, INC., Philadelphia, Pa. Filed Aug. 14, 1947.



FOR FRESH AND FROZEN DECIDUOUS FRUITS AND VEGETABLES.
Claims use since Jan. 1, 1946.

Ser. No. 504,470. BLUHILL FOODS, INC., doing business as Lady West Products, Denver, Colo. Filed Sept. 12, 1947.

AMERICAN FAMILY

The word "American" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 219,974.
FOR SALAD DRESSINGS, SANDWICH SPREADS, AND TABLE SYRUPS.
Claims use since May 9, 1946.

Ser. No. 506,396. SPECIALTY DEVELOPMENT COMPANY, Bluffton, Ind. Filed Sept. 9, 1947. Under section 2f of the act of 1946.

PRETZEL BITZ

No claim is made to the word "Pretzel" apart from the mark as shown.
FOR BAKERY PRODUCTS OF SAME COMPOSITION AS PRETZELS BUT OF A SHAPE DIFFERING FROM THE ORDINARY TWISTED PRETZEL AND ALSO FROM SO-CALLED PRETZEL STICKS.
Claims use since Aug. 1, 1937.

Ser. No. 514,853. SEUFERT BROTHERS COMPANY, The Dalles, Oreg. Filed Aug. 13, 1947. Under section 2f of the act of 1946.

KLONDIKE

FOR CANNED FISH, CANNED CHERRIES, CANNED ITALIAN PRUNES, CANNED APRICOTS AND CANNED PEACHES, AND CANNED VEGETABLES.
Claims use since Jan. 15, 1901.

Ser. No. 526,193. BRICE-WALDROP PICKLE COMPANY, Denison, Tex. Filed Jan. 14, 1948.



The word "Dill" and the representation of a pickle are disclaimed apart from the mark.
FOR CUCUMBER PICKLES.
Claims use since Mar. 1, 1947.

Ser. No. 526,760. CHURCH & DWIGHT CO., INC., New York, N. Y. Filed July 5, 1947. Under section 2f of the act of 1946.

CHURCH & CO'S

The expression "& Co.'s" is disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 369,752, 369,753, and 435,332.
FOR BAKING SODA (BICARBONATE OF SODA), AND BAKING POWDER, EACH FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS.
Claims use since 1874.

Ser. No. 529,147. CALIFORNIA CANNERS ASSOCIATES, Los Angeles, Calif. Filed July 22, 1947.

Cal-Prize

FOR CANNED FISH.
Claims use since 1925.

Ser. No. 532,646. SEUFERT BROS. COMPANY, The Dalles, Oreg. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

CELILO

Applicant claims ownership of registration No. 421,682.
FOR CANNED SALMON, CANNED CHERRIES, AND CANNED PRUNE PLUMS.
Claims use since Mar. 4, 1898.

Ser. No. 533,051. RANCHO ESTRELLA POULTRY, INC., Puente, Calif. Filed Sept. 2, 1947.

Rancho Estrella

The word "Rancho" is disclaimed apart from the mark.
FOR CHICKENS FROZEN AND DRESSED—NAMELY, STEWING HENS, ROASTERS, AND FRYERS.
Claims use since Aug. 1, 1943.

Ser. No. 533,550. JOHN H. DULANY & SON, INC., Fruitland, Md. Filed Sept. 5, 1947. Under section 2f of the act of 1946.

Dulany

FOR CANNED VEGETABLES.
Claims use since 1925.

Ser. No. 534,290. KLEIN CHOCOLATE COMPANY, INC., Elizabethtown, Pa. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

KLEIN'S

Applicant claims ownership of registrations Nos. 140,709, 178,348, 305,084, 308,752, and 405,757.
FOR CHOCOLATE CANDY BARS WITH PEANUTS ADDED AND BITTER AND SWEET CHOCOLATE BLOCKS FOR FOOD PURPOSES.
Claims use since January 1913.

Ser. No. 538,118. FONTANA CITRUS ASSOCIATION, Fontana, Calif. Filed Oct. 17, 1947.

SPAN-O-GOLD

FOR FRESH CITRUS FRUITS.
Claims use since 1936.

Ser. No. 538,976. ARMEN H. THOUMAIAN, Baltimore, Md. Filed Oct. 24, 1947.

"LOZAK"

FOR CULTURED MILK.
Claims use since Feb. 1, 1907.

Ser. No. 544,756. OREGON NUT GROWERS, INC., Newberg, Oreg. Filed Dec. 18, 1947.

BLUE PIRATE

Applicant claims ownership of registration No. 282,056.
FOR SHELLED AND UNSHELLED EDIBLE NUTS.
Claims use since September 1930.

CLASS 55

SERVICES

Ser. No. 541,420. HOUSTON ENGINEERS, INC., Houston, Tex. Filed Nov. 17, 1947. SERVICE MARK.

HE

Applicant claims ownership of registration No. 248,482.
FOR OIL WELL SERVICING—NAMELY, THE RECLAMATION OF STUCK PIPE OR TUBING AND THE LIKE, TOOLS THAT HAVE BECOME STUCK IN AN OIL WELL, AND ALSO THE RENTAL OF OIL WELL TOOLS.
Claims use since 1925.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,528. ENAMEL PAINTS. JOHN MCQUADE & CO., INC., New York, N. Y.
Filed July 24, 1945. Serial No. 486,213. PUBLISHED AUGUST 10, 1948. Class 16.

441,529. COMBINATION COVER AND IRONING BOARD PAD. FRED GALBRAITH, doing business as Galico Co., New York, N. Y.
Filed January 26, 1946. Serial No. 495,465. PUBLISHED AUGUST 31, 1948. Class 24.

441,530. SAFETY PINS, HOOKS AND EYES, AND SNAP FASTENERS. THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa.
Filed January 31, 1946. Serial No. 495,726. PUBLISHED AUGUST 10, 1948. Class 40.

441,531. SYNTHETIC AND OTHER RESINS IN SOLID FORM AND SOLUTIONS THEREOF IN ORGANIC SOLVENTS INTENDED FOR INCORPORATION WITH OTHER CONSTITUENTS TO FORM LACQUERS AND SYNTHETIC RESIN COATING COMPOSITIONS. MAAS & WALDSTEIN COMPANY, Newark, N. J.
Filed February 4, 1946. Serial No. 495,977. PUBLISHED AUGUST 3, 1948. Class 16.

441,532. DRY AND READY MIXED PAINTS AND ENAMELS, ETC. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio.
Filed April 10, 1946. Serial No. 499,964. PUBLISHED AUGUST 3, 1948. Class 16.

441,533. READY-MIXED PAINTS COMPRISING COLORS, LACQUERS, VARNISHES, DRIER FOR APPLICATION TO WOODEN, METALLIC, AND WALL SURFACES, PUTTIES FOR STOPPING HOLES, CRACKS, OR GROOVES, AND FOR WINDOWPANES, AND WAXES FOR POLISHING FURNITURE AND WOODWORK. L. BONNAL ET COMPAGNIE, Bordeaux, France.
Filed May 8, 1946. Serial No. 501,631. PUBLISHED JULY 27, 1948. Class 16.

441,534. METAL FENCES, METAL GATES, METAL CLOTHES POSTS, AND WIRE SCREENING. PATRICK O'DRAGO, doing business as Sta-Bull Fence Co., Detroit, Mich.
Filed May 22, 1946. Serial No. 502,592. PUBLISHED AUGUST 31, 1948. Class 13.

441,535. CANVAS CLOTH AND SAILCLOTH, ALL BEING PIECE GOODS WHOLLY OR PRINCIPALLY OF COTTON, FOR USE IN THE MANUFACTURE OF SAILS. FRANCIS WEBSTER & SONS LIMITED, Arbroath, Scotland.
Filed June 24, 1946. Serial No. 504,521. PUBLISHED AUGUST 31, 1948. Class 42.

441,536. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. PAUL I. ROSS, doing business as Grapeteen Beverage Company, Houston, Tex.
Filed July 26, 1946. Serial No. 506,346. PUBLISHED AUGUST 17, 1948. Class 45.

441,537. READY-MIXED PAINT, PAINT ENAMEL, AND VARNISH. VITA-VAR CORPORATION, Newark, N. J.
Filed August 9, 1946. Serial No. 507,163. PUBLISHED AUGUST 3, 1948. Class 16.

441,538. COTTON, RAYON, AND WOOLEN FABRICS IN THE PIECE. ISIDOR H. COHEN, New York, N. Y.
Filed August 15, 1946. Serial No. 507,461. PUBLISHED AUGUST 31, 1948. Class 42.

441,539. READY MIXED OIL PAINT, PAINT ENAMELS, AND LIQUID AND PLASTIC ROOF COATINGS. ILLINOIS AGRICULTURAL ASSOCIATION, Chicago, Ill.
Filed September 5, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 508,527. PUBLISHED AUGUST 10, 1948. Class 16.

441,540. CORDUROY FABRICS IN THE PIECE COMPOSED OF COTTON. CROMPTON COMPANY, Crompton, R. I.
Filed September 13, 1946. Serial No. 508,980. PUBLISHED AUGUST 31, 1948. Class 42.

441,541. TIRE PAINT CONCENTRATE. MANUFACTURERS WAREHOUSE, Atlanta, Ga.
Filed September 21, 1946. Serial No. 509,524. PUBLISHED AUGUST 3, 1948. Class 16.

441,542. PIECE GOODS OF RAYON AND SILK. WHITE TRADING CORPORATION, New York, N. Y.
Filed September 26, 1946. Serial No. 509,808. PUBLISHED AUGUST 31, 1948. Class 42.

441,543. ORGANIC PIGMENTS USED FOR COLORING PAINTS. REICHHOLD CHEMICALS, INC., Detroit, Mich.
Filed October 7, 1946. Serial No. 510,403. PUBLISHED AUGUST 17, 1948. Class 16.

441,544. HANGER SUPPORTS DESIGNED FOR SUPPORTING CLOTHES HANGERS HUNG FROM THE TOP EDGE OF AN AUTOMOBILE WINDOW. ESTATE OF LESTER G. BLACK, doing business as Black Industries, Cleveland, Ohio.
Filed October 9, 1946. Serial No. 510,477. PUBLISHED AUGUST 17, 1948. Class 13.

441,545. FURNITURE POLISH AND POWDERED, PASTE, AND LIQUID WAX PREPARATIONS FOR CLEANING, POLISHING, AND PROTECTING WOOD-WORK, FLOORS OF ALL KINDS, FURNITURE, LINOLEUM, AND AUTOMOBILES; LIQUID PAINT, PAINT THINNER, CRACK FILLER, AND WOOD PUTTY, CHEMICAL PAINT AND VARNISH REMOVER, CHEMICAL PAINT BRUSH CLEANER. BOYLE-MIDWAY INC., Jersey City, N. J.
Filed October 15, 1946. Serial No. 510,874. PUBLISHED AUGUST 3, 1948. Class 16.

441,546. LIQUID FLOOR WAX AND WAX PASTE FOR FLOORS, FURNITURE, WOODWORK, AND AUTOMOBILES. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed October 17, 1946. Serial No. 511,017. PUBLISHED AUGUST 10, 1948. Class 16.

441,547. READY-MIXED PAINTS, PAINT ENAMELS, PRIMERS, HOUSE PAINTS, ETC. H. WM. POLLEY, doing business as The Southern Paint & Varnish Company, Macon, Ga.
Filed November 4, 1946. Serial No. 512,018. PUBLISHED AUGUST 3, 1948. Class 16.

441,548. LIQUID PAINT BRUSH CLEANER. CELCO SALES CORP., New York, N. Y.
Filed November 29, 1946. Serial No. 513,387. PUBLISHED AUGUST 3, 1948. Class 16.

441,549. PROTECTIVE RESINOUS COATING COMPOSITION IN THE NATURE OF PAINT FOR USE AS A STRIPABLE COATING TO PROTECT PARTS, ETC. THE MERCHANTS CHEMICAL COMPANY, Stamford, Conn.
Filed November 29, 1946. Serial No. 513,437. PUBLISHED SEPTEMBER 7, 1948. Class 16.

441,550. READY MIXED LIQUID PAINT AND PAINT THINNER. THE MASTER MECHANICS CO., Cleveland, Ohio.
Filed December 28, 1946. Serial No. 514,968. PUBLISHED AUGUST 3, 1948. Class 16.

441,551. RAPID DRYING RUBBERIZED WALL FINISH—NAMELY, A SYNTHETIC PHENOLIC READY MIXED LIQUID PAINT FOR INTERIOR CEMENT, PLASTIC, OR BRICK SURFACES, AND PAINT ENAMEL. THE MASTER MECHANICS CO., Cleveland, Ohio.
Filed December 28, 1946. Serial No. 514,974. PUBLISHED AUGUST 10, 1948. Class 16.

441,552. IRONING BOARD PADS AND IRONING BOARD PAD COVERS. PRESSING SUPPLY COMPANY, Philadelphia, Pa.
Filed January 29, 1947. Serial No. 516,571. PUBLISHED SEPTEMBER 7, 1948. Class 24.

441,553. VINYL PLASTIC FILM OR SHEETING SOLD IN BOLTS, FOR USE AS UPHOLSTERY AND IN MAKING UP INTO HANDBAGS, SHOES, AND THE LIKE. GOODALL-SANFORD, INC., Sanford, Maine.
Filed February 1, 1947. Serial No. 516,768. PUBLISHED AUGUST 24, 1948. Class 42.

441,554. WINES. JAMES P. GERACI, doing business as Nolan Wine & Supply Company, Cleveland, Ohio.
Filed February 24, 1947. Serial No. 517,990. PUBLISHED AUGUST 17, 1948. Class 47.

441,555. WINES. ROMA WINE COMPANY, doing business as La Boheme Vineyards Company, Fresno, Calif., assignor, by mesne assignments, to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware.
Filed March 3, 1947. Serial No. 518,429. PUBLISHED SEPTEMBER 7, 1948. Class 47.

441,556. DRAPERIES; VALANCES, AND COATED AND UNCOATED UPHOLSTERY, ETC. EDWIN RAPHAEL COMPANY, INC., Chicago, Ill.
Filed March 19, 1947. Serial No. 519,293. PUBLISHED AUGUST 31, 1948. Class 42.

441,557. TABLE, SHELF, STAIR, FLOOR, AND WALL OILCLOTH. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed March 27, 1947. Serial No. 519,666. PUBLISHED SEPTEMBER 7, 1948. Class 20.

441,558. VARNISH AND PAINT ENAMEL. NEW METHOD PAINT CO., Kansas City, Mo.
Filed April 30, 1947. Serial No. 521,607. PUBLISHED AUGUST 3, 1948. Class 16.

441,559. SCREWS. NATIONAL LOCK COMPANY, Rockford, Ill.
Filed May 1, 1947. Serial No. 521,675. PUBLISHED SEPTEMBER 7, 1948. Class 13.

441,560. DETACHABLE CLEATED NON-SKID METAL SOLE PLATE FOR ATTACHMENT TO SHOE SOLES. PARCLEAT COMPANY, INC., Washington, D. C.
Filed May 1, 1947. Serial No. 521,681. PUBLISHED AUGUST 24, 1948. Class 13.

441,561. AIR HOSE COUPLINGS AND CLAMPS. DIXON VALVE & COUPLING CO., Philadelphia, Pa.
Filed May 23, 1947. Serial No. 522,901. PUBLISHED AUGUST 17, 1948. Class 13.

441,562. NONALCOHOLIC, MALTLESS BEVERAGE IN THE NATURE OF A SOFT DRINK, AND SYRUPS AND EXTRACTS THEREFOR. NATIONAL NUGRAPE COMPANY, Atlanta, Ga.
Filed June 2, 1947. Serial No. 523,410. PUBLISHED SEPTEMBER 7, 1948. Class 45.

441,563. THIN SHEETS OF PLASTIC FILM OF THE CELLULOSE ACETATE AND VINYL TYPE SOLD FROM THE ROLL FOR USE IN WRAPPING AND PACKAGING. TRANSOLENE CORPORATION, doing business as Transolene Co., Barrington, Ill.
Filed June 5, 1947. Serial No. 523,629. PUBLISHED AUGUST 3, 1948. Class 37.

441,564. FLOOR WAX. FLOOR-O-MATIC INC., New York, N. Y.
Filed June 25, 1947. Serial No. 524,789. PUBLISHED AUGUST 3, 1948. Class 16.

441,565. WHISKEY. JACK DANIEL DISTILLERY, LEM MOTLOW, PROP., INC., Lynchburg, Tenn.
Filed July 2, 1947. Serial No. 525,557. PUBLISHED AUGUST 24, 1948. Class 49.

ACT OF 1920

These registrations are not subject to opposition.

441,566. (CLASS 47. WINES.) MAGLIONE, GUITERREZ & COMPAÑIA, Buenos Aires, Argentina. Filed Oct. 29, 1943. Serial No. 464,511.



FOR CHAMPAGNE WINES, SPARKLING WINES AND WINES IN GENERAL.
Claims use since Sept. 13, 1933.

441,567. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) MARQUETTE MANUFACTURING CO. INC., Minneapolis, Minn. Filed July 2, 1946. Serial No. 504,988.

MARQUETTE

FOR ELECTRIC ARC WELDERS, ELECTRIC ARC TORCHES, ELECTRODE HOLDERS, PERMANENT WELDING ELECTRODES AND BATTERY CHARGERS.
Claims use since February 1936.

441,568. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FABRIQUE DES MONTRES MOERIS, F. MOERI S. A., St. Imier, Switzerland. Filed Dec. 3, 1946. Serial No. 513,618.



FOR WATCHES, WATCH MOVEMENTS, AND PARTS THEREOF.
Claims use since on or about Feb. 15, 1910.

441,569. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FABRIQUE DES MONTRES MOERIS, F. MOERI S. A., St. Imier, Switzerland. Filed Dec. 3, 1946. Serial No. 513,619.

MOERIS

FOR WATCHES, WATCH MOVEMENTS, AND PARTS THEREOF.
Claims use since on or about Feb. 15, 1910.

441,570. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed July 2, 1947. Serial No. 525,731.

FINSTRIP

FOR ELECTRIC HEATING ELEMENTS, AND PARTS THEREOF.
Claims use since September 1931.

ACT OF 1946, PRINCIPAL REGISTER

504,528. FUEL OILS FOR HEATING PURPOSES. PETROLEUM HEAT AND POWER COMPANY, New York, N. Y.
Filed August 1, 1947. Serial No. 472,432. PUBLISHED AUGUST 24, 1948. Class 15.

504,529. SANITARY FLOOR OIL. THE SELIG COMPANY, Atlanta, Ga.
Filed August 27, 1947. Serial No. 488,619. PUBLISHED SEPTEMBER 7, 1948. Class 16.

504,530. ART PORCELAIN AND STONEWARE FIGURES OF HUMANS AND ANIMALS (NOT ORNAMENTED WITH PRECIOUS METALS). AKTIESELSKABET BING & GRØNDAHLS PORCELLÆNSFABRIK (PORCELAINFABRIKERNE BING & GRØNDAHL OG NORDEN A/S), Copenhagen, Denmark.
Filed July 26, 1947. Serial No. 498,744. PUBLISHED AUGUST 24, 1948. Class 50.

504,531. CARBONATED, NON-ALCOHOLIC, NON-CEREAL MALTLESS BEVERAGES SOLD AS SOFT DRINKS. THE SEVEN-UP COMPANY, St. Louis, Mo.
Filed August 29, 1947. Serial No. 502,723. PUBLISHED AUGUST 24, 1948. Class 45.

504,532. CHEMICALS FOR EXTERMINATING WEEDS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed October 29, 1947. Serial No. 504,217. PUBLISHED AUGUST 31, 1948. Class 6.

504,533. TEXTILE FABRICS IN THE PIECE, MADE OF COTTON, WOOL, RAYON, OR COMBINATIONS THEREOF. CRAFTEX MILLS, INC. OF PENNA., Philadelphia, Pa.
Filed December 18, 1947. Serial No. 506,369. PUBLISHED AUGUST 24, 1948. Class 42.

504,534. RUBBERIZED NURSERY AND SANITARY SHEETING FOR USE AS A PROTECTIVE SHEETING FOR CRIB, CARRIAGE, AND BED AND OTHER HOME USES. HOLLAND-RANTOS COMPANY, INC., New York, N. Y.
Filed October 1, 1947. Serial No. 509,341. PUBLISHED AUGUST 24, 1948. Class 42.

504,535. BEER. HORLACHER BREWING COMPANY, Allentown, Pa.
Filed July 5, 1947. Serial No. 509,345. PUBLISHED AUGUST 31, 1948. Class 48.

504,536. BLANKETS COMPOSED WHOLLY OR IN PART OF WOOL. AMERICAN WOOLEN COMPANY, New York, N. Y.
Filed July 5, 1947. Serial No. 510,467. PUBLISHED AUGUST 31, 1948. Class 42.

504,537. WHISKEY. D. M. DISTILLERY CO., S. A., Juarez, Chihuahua, Mexico.
Filed July 5, 1947. Serial No. 510,493. PUBLISHED AUGUST 24, 1948. Class 49.

504,538. WHISKEY. THE CLEAR SPRING DISTILLING CO., Clermont, Ky.
Filed November 1, 1947. Serial No. 512,158. PUBLISHED AUGUST 31, 1948. Class 49.

504,539. SILVER AND SILVER PLATED TABLE CUTLERY AND FLATWARE—NAMELY, TABLE KNIVES, FORKS, SPOONS, GRAVY LADLES, BUTTER SPREADERS, SUGAR SHELLS, AND SERVING SPOONS; AND CUTLERY—NAMELY, BUTCHER KNIVES, PARING KNIVES, AND SLICING KNIVES FOR SLICING MEATS AND VEGETABLES, HAVING HANDLES OF BASE METAL COATED WITH PRECIOUS METAL OR MADE ENTIRELY OF PRECIOUS METAL. THE MAJESTIC SILVER CO., New Haven, Conn.
Filed October 13, 1947. Serial No. 515,031. PUBLISHED AUGUST 24, 1948. Class 28.

504,540. TABLE CUTLERY AND FLATWARE—NAMELY, KNIVES, FORKS, SPOONS, GRAVY LADLES, BUTTER SPREADERS, ETC. THE MAJESTIC SILVER CO., New Haven, Conn.
Filed October 13, 1947. Serial No. 515,032. PUBLISHED AUGUST 17, 1948. Class 28.

504,541. PRINTING MACHINERY—NAMELY, PRINTING PRESSES, PAPER CUTTERS AND PARTS THEREOF. DIAMOND PRINTING MACHINERY CO., Cleveland, Ohio.
Filed July 5, 1947. Serial No. 515,259. PUBLISHED AUGUST 10, 1948. Class 23.

504,542. MUSICAL TOYS. WOLVERINE SUPPLY AND MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed September 9, 1947. Serial No. 516,749. PUBLISHED AUGUST 17, 1948. Class 22.

504,543. HYPO-ALLERGENIC PRODUCT CONTAINING SOYBEAN FLOUR; A MILK SUBSTITUTE CONTAINING A HYDROLYSATE OF CASEIN WITH DEXTRINS, ETC. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed July 5, 1947. Serial No. 516,940. PUBLISHED AUGUST 31, 1948. Class 6.

504,544. PIECE GOODS OF RAYON, SILK, SILK AND RAYON, AND COTTON. LINCOLN FABRICS CO. INC., New York, N. Y., assignee of Lincoln Fabrics, Inc.
Filed December 4, 1947. Serial No. 517,494. PUBLISHED AUGUST 24, 1948. Class 42.

504,545. BINDERS IN LIQUID FORM FOR BINDING FINELY DIVIDED MATERIAL. MASONITE CORPORATION, Chicago, Ill., and Laurel, Miss.
Filed August 28, 1947. Serial No. 521,742. PUBLISHED AUGUST 31, 1948. Class 5.

504,546. WRAPPING PAPER. LONGVIEW FIBRE COMPANY, Longview, Wash.
Filed July 5, 1947. Serial No. 526,535. PUBLISHED AUGUST 17, 1948. Class 37.

504,547. WRAPPING PAPER. LONGVIEW FIBRE COMPANY, Longview, Wash.
Filed July 5, 1947. Serial No. 526,536. PUBLISHED AUGUST 17, 1948. Class 37.

504,548. DISTILLED POTABLE ALCOHOLIC BEVERAGES—NAMELY, WHISKEY. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed July 5, 1947. Serial No. 526,594. PUBLISHED SEPTEMBER 7, 1948. Class 49.

504,549. SEMI-PASTE HOUSE PAINT. THE A. BURDSAL COMPANY, Indianapolis, Ind.
Filed July 5, 1947. Serial No. 526,603. PUBLISHED AUGUST 3, 1948. Class 16.

504,550. LAUNDRY WASHING MACHINES. AVCO MANUFACTURING CORPORATION, Cincinnati, Ohio.
Filed July 5, 1947. Serial No. 526,666. PUBLISHED AUGUST 31, 1948. Class 24.

504,551. LUBRICATING GREASE. THE PURE OIL COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 526,833. PUBLISHED AUGUST 24, 1948. Class 15.

504,552. CAUSTIC SODA IN DRY AND GRANULAR STATE FOR USE AS A DRAIN OPENER. H. M. SINCLAIR, JR., trustee for The Sinclair Manufacturing Company, Toledo, Ohio.
Filed July 5, 1947. Serial No. 527,006. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,553. GROUND-ANCHORS. W. N. MATTHEWS CORPORATION, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,120. PUBLISHED AUGUST 31, 1948. Class 13.

504,554. NON-INTOXICATING, NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SYRUPS USED IN THE PREPARATION OF SAME. I. B. C. ROOT BEER COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,160. PUBLISHED AUGUST 31, 1948. Class 45.

504,555. ENVELOPE PAPER. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio.
Filed July 5, 1947. Serial No. 527,300. PUBLISHED AUGUST 3, 1948. Class 37.

504,556. SPARKLING WINES AND STILL WINES. AMERICAN WINE COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,310. PUBLISHED AUGUST 31, 1948. Class 47.

504,557. SPARKLING WINES AND STILL WINES. AMERICAN WINE COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,311. PUBLISHED AUGUST 24, 1948. Class 47.

504,558. TABLET FOR THE TREATMENT OF VITAMIN DEFICIENCIES, FOR NEURITIS, MALNUTRITION, POLYNEURITIS, AND VITAMIN B COMPLEX DEFICIENCIES. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed July 5, 1947. Serial No. 527,448. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,559. ANTISEPTIC DOUCHE. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed July 5, 1947. Serial No. 527,473. PUBLISHED AUGUST 24, 1948. Class 6.

504,560. CARTONS. CHICAGO CARTON COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,624. PUBLISHED SEPTEMBER 7, 1948. Class 2.

504,561. FERROUS METAL PIPE AND CONDUITS SUITABLE FOR CONVEYING FLUIDS AND LIQUIDS. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, now by change of name Armco Steel Corporation.
Filed July 5, 1947. Serial No. 527,685. PUBLISHED SEPTEMBER 7, 1948. Class 13.

504,562. BEER. AUGUST WAGNER BREWERIES, INC., Columbus, Ohio.
Filed July 5, 1947. Serial No. 527,790. PUBLISHED AUGUST 17, 1948. Class 48.

504,563. FINE GRAIN FILM DEVELOPER IN POWDER FORM. THE EDWAL LABORATORIES, INC., Chicago, Ill.
Filed July 5, 1947. Serial No. 527,949. PUBLISHED AUGUST 31, 1948. Class 6.

504,564. HOSE OF ALL KINDS COMPOSED PRINCIPALLY OR WHOLLY OF RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 12, 1947. Serial No. 528,459. PUBLISHED AUGUST 17, 1948. Class 35.

504,565. METAL WATER AND STEAM PIPE. WHEATLAND TUBE COMPANY, Philadelphia, Pa.
Filed July 15, 1947. Serial No. 528,665. PUBLISHED AUGUST 24, 1948. Class 13.

504,566. ALGIN PRODUCT FOR USE IN WATER PAINTS AS A SUSPENDING AND VISCOSITY CONTROLLING AGENT AND TO IMPROVE THE BRUSHING CHARACTERISTICS. KELCO COMPANY, San Diego, Calif.
Filed July 16, 1947. Serial No. 528,730. PUBLISHED AUGUST 3, 1948. Class 16.

504,567. BEER, ALE, BOCK BEER, AND PORTER. C. SCHMIDT AND SONS, INCORPORATED, Philadelphia, Pa.
Filed July 16, 1947. Serial No. 528,746. PUBLISHED SEPTEMBER 7, 1948. Class 48.

504,568. DISTILLED POTABLE ALCOHOLIC BEVERAGES—NAMELY, WHISKEY. W. A. HALLER CORPORATION, Philadelphia, Pa.
Filed July 17, 1947. Serial No. 528,791. PUBLISHED SEPTEMBER 7, 1948. Class 49.

504,569. BEER. HOME BREWING COMPANY, INC., Richmond, Va.
Filed July 17, 1947. Serial No. 528,793. PUBLISHED AUGUST 17, 1948. Class 48.

504,570. POLISH FOR FURNITURE AND WOODWORK. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed July 18, 1947. Serial No. 528,860. PUBLISHED AUGUST 3, 1948. Class 16.

504,571. WAX-LIKE EMULSIONS FOR LUBRICATING MOLDS, TEXTILE THREADS, AND THE LIKE. PERKINS SOAP COMPANY, Springfield, Mass.
Filed July 18, 1947. Serial No. 528,904. PUBLISHED AUGUST 17, 1948. Class 15.

504,572. AIR CHUCKS; WATER FAUCETS CONTAINING A VALVE FOR FILLING VEHICLE RADIATORS; AIR HOSE REPAIR KITS COMPRISING AIR CHUCKS, HOSE CLAMPS, AND PIPE HOSE BARBS; HOSE CONNECTORS. DRUGE BROTHERS MANUFACTURING CO., Oakland, Calif.
Filed July 14, 1947. Serial No. 529,219. PUBLISHED AUGUST 17, 1948. Class 13.

504,573. DYEING ASSISTANTS INCLUDING DISPERSANTS, PENETRANTS, AND ANTI-BRONZING AGENTS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed July 23, 1947. Serial No. 529,220. PUBLISHED AUGUST 24, 1948. Class 6.

504,574. ALE. FRANK JONES BREWING COMPANY, INC., Kittery, Maine, and Portsmouth, N. H.
Filed July 23, 1947. Serial No. 529,268. PUBLISHED SEPTEMBER 7, 1948. Class 48.

504,575. PORTABLE LAUNDRY WRINGERS. CHICAGO ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed July 24, 1947. Serial No. 529,361. PUBLISHED SEPTEMBER 7, 1948. Class 24.

504,576. PORTABLE LAUNDRY WRINGERS. CHICAGO ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed July 24, 1947. Serial No. 529,364. PUBLISHED SEPTEMBER 7, 1948. Class 24.

504,577. FINGER RINGS, ORNAMENTAL PINS, AND MEDALS, CUPS, TROPHIES, AND PLAQUES, MADE OF OR PLATED WITH PRECIOUS METALS. JOSTEN MANUFACTURING COMPANY, Owatonna, Minn.
Filed July 25, 1947. Serial No. 529,468. PUBLISHED AUGUST 24, 1948. Class 28.

504,578. LIQUID GAGE VALVES, GAGE COCKS AND FLOATS. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio.
Filed July 26, 1947. Serial No. 529,693. PUBLISHED AUGUST 24, 1948. Class 13.

504,579. VARIOUS TYPES OF NUTS AND BOLTS, NUT LOCKING DEVICES OF THE KIND CONSISTING OF A PLATE HAVING A BOLT HOLE AND A BENDABLE NUT-ENGAGING TONGUE, RAILWAY CAR FLOOR CLIPS, RAILWAY CAR THRESHOLD PLATES, METAL WASHERS, COTTER KEYS, METAL DEFECT CARD RECEPTACLES FOR RAILWAY CARS, AND RAILWAY CAR JOURNAL BOX HINGE LUG WEAR PLATES OR CLIPS. MACLEAN-FOGG LOCK NUT COMPANY, Chicago, Ill.
Filed July 29, 1947. Serial No. 529,902. PUBLISHED AUGUST 24, 1948. Class 13.

504,580. SHEETS, PILLOWCASES, AND BLANKETS. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed July 30, 1947. Serial No. 530,016. PUBLISHED AUGUST 31, 1948. Class 42.

504,581. DRAPERY AND CURTAIN BRACKETS. PLASTI-GLO MANUFACTURING COMPANY, Chicago, Ill.
Filed July 30, 1947. Serial No. 530,017. PUBLISHED AUGUST 24, 1948. Class 13.

504,582. CANNED PAINTS IN DRY, PASTE, AND LIQUID FORM, ETC. SAINT LOUIS SURFACER AND PAINT COMPANY, St. Louis, Mo.
Filed July 30, 1947. Serial No. 530,028. PUBLISHED AUGUST 3, 1948. Class 16.

504,583. SMOKING TOBACCO. ABERCROMBIE & FITCH COMPANY, New York, N. Y.
Filed July 31, 1947. Serial No. 530,043. PUBLISHED SEPTEMBER 7, 1948. Class 17.

504,584. PILE FABRICS IN THE PIECE COMPOSED OF MOHAIR AND COTTON. SIDNEY BLUMENTHAL & Co., INC., New York, N. Y.
Filed August 2, 1947. Serial No. 530,283. PUBLISHED AUGUST 31, 1948. Class 42.

504,585. PILE FABRICS IN THE PIECE COMPOSED OF RAYON AND SILK. SIDNEY BLUMENTHAL & Co., INC., New York, N. Y.
Filed August 2, 1947. Serial No. 530,284. PUBLISHED AUGUST 31, 1948. Class 42.

504,586. PILE FABRICS IN THE PIECE COMPOSED OF WORSTED AND COTTON. SIDNEY BLUMENTHAL & Co., INC., New York, N. Y.
Filed August 2, 1947. Serial No. 530,285. PUBLISHED AUGUST 31, 1948. Class 42.

504,587. PILE FABRICS IN THE PIECE COMPOSED OF MOHAIR AND COTTON. SIDNEY BLUMENTHAL & Co., INC., New York, N. Y.
Filed August 2, 1947. Serial No. 530,286. PUBLISHED AUGUST 31, 1948. Class 42.

504,588. PAINTS IN DRY, PASTE, AND READY-MIXED FORM, PAINT ENAMELS, AND VARNISHES. M. J. MERKIN PAINT CO., INC., New York, N. Y.
Filed August 4, 1947. Serial No. 530,413. PUBLISHED AUGUST 3, 1948. Class 16.

504,589. SYNTHETIC RESIN COATING COMPOSITIONS IN THE NATURE OF LACQUERS AND ENAMELS FOR THE TREATMENT OF METAL AND WOOD SURFACES INCLUDING THE INTERIOR AND EXTERIOR SURFACES OF AIRCRAFT AND OTHER VEHICLES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed August 4, 1947. Serial No. 530,418. PUBLISHED AUGUST 3, 1948. Class 16.

504,590. COTTON STITCHING THREAD AND HEAVY COTTON SEWING THREAD. THE GENERAL THREAD MILLS, INC., Boston, Mass.
Filed August 5, 1947. Serial No. 530,492. PUBLISHED AUGUST 10, 1948. Class 43.

504,591. COTTON STITCHING THREAD AND HEAVY COTTON SEWING THREAD. THE GENERAL THREAD MILLS, INC., Boston, Mass.
Filed August 5, 1947. Serial No. 530,493. PUBLISHED AUGUST 10, 1948. Class 43.

504,592. COTTON STITCHING THREAD AND HEAVY COTTON SEWING THREAD. THE GENERAL THREAD MILLS, INC., Boston, Mass.
Filed August 5, 1947. Serial No. 530,494. PUBLISHED AUGUST 10, 1948. Class 43.

504,593. PIPES, PIPE CLEANERS, ASH TRAYS OR RECEIVERS, CIGAR AND CIGARETTE TUBES AND HOLDERS, CIGARETTE CASES AND PAPERS CUT TO SIZE, ETC. FABER, COE & GREGG, INC., New York, N. Y.
Filed August 6, 1947. Serial No. 530,635. PUBLISHED AUGUST 24, 1948. Class 8.

504,594. PASTE OUTSIDE PAINT. BOATWRIGHT PAINT & VARNISH WORKS, INC., Atlanta, Ga.
Filed August 7, 1947. Serial No. 530,715. PUBLISHED AUGUST 10, 1948. Class 16.

504,595. LOOSELY MATTED OR FELTED ADHESIVELY-BOUND VEGETABLE FIBER IN SHEET FORM FOR USE IN PACKAGING FRAGILE ARTICLES. WOOD CONVERSION COMPANY, St. Paul, Minn.
Filed August 8, 1947. Serial No. 530,884. PUBLISHED AUGUST 24, 1948. Class 50.

504,596. CARPET SWEEPERS. E. R. WAGNER MANUFACTURING COMPANY, Milwaukee, Wis.
Filed August 9, 1947. Serial No. 530,991. PUBLISHED AUGUST 17, 1948. Class 23.

504,597. CARPET SWEEPERS. E. R. WAGNER MANUFACTURING COMPANY, Milwaukee, Wis.
Filed August 9, 1947. Serial No. 530,992. PUBLISHED AUGUST 24, 1948. Class 23.

504,598. RAYON YARNS. AMERICAN ENKA CORPORATION, Enka, N. C.
Filed August 11, 1947. Serial No. 531,002. PUBLISHED AUGUST 17, 1948. Class 43.

504,599. AUTOMOBILE CLEANER AND POLISH AND FURNITURE AND BAR POLISH. GREAT STUFF PRODUCTS, INC., Minneapolis, Minn.
Filed August 11, 1947. Serial No. 531,027. PUBLISHED JULY 20, 1948. Class 16.

504,600. LUBRICATING OILS. THE TEXAS COMPANY, New York, N. Y.
Filed August 13, 1947. Serial No. 531,259. PUBLISHED AUGUST 17, 1948. Class 15.

504,601. STEAM TRAPS. THE V. D. ANDERSON COMPANY, Cleveland, Ohio.
Filed August 14, 1947. Serial No. 531,284. PUBLISHED AUGUST 24, 1948. Class 13.

504,602. STAINLESS STEEL COOKING, KITCHEN, HOUSEHOLD, AND HOSPITAL WARE—NAMELY, BISCUIT PANS, FOOD BOWLS, ETC. CARROLLTON, MANUFACTURING COMPANY, Carrollton, Ohio.
Filed August 14, 1947. Serial No. 531,311. PUBLISHED AUGUST 31, 1948. Class 13.

504,603. MIXED PAINT. JAMES B. SIPE AND COMPANY, Pittsburgh, Pa.
Filed August 14, 1947. Serial No. 531,387. PUBLISHED AUGUST 3, 1948. Class 16.

504,604. WALL PAINT SOLD IN LIQUID FORM. JAMES B. SIPE AND COMPANY, Pittsburgh, Pa.
Filed August 14, 1947. Serial No. 531,389. PUBLISHED AUGUST 3, 1948. Class 16.

504,605. FLOW CONTROL VALVES, PRESSURE REDUCING VALVES, PRESSURE RELIEF VALVES, DUAL UNIT VALVES CONSISTING OF PRESSURE REDUCING AND PRESSURE RELIEF VALVES, WATER MIXING VALVES, AND PIPE FITTINGS FOR HOT WATER HEATING SYSTEMS. BELL & GOSSETT COMPANY, Morton Grove, Ill.
Filed August 15, 1947. Serial No. 531,425. PUBLISHED AUGUST 17, 1948. Class 13.

504,606. PORTER. G. KRUEGER BREWING COMPANY, Newark, N. J.
Filed August 15, 1947. Serial No. 531,489. PUBLISHED SEPTEMBER 7, 1948. Class 48.

504,607. COTTON SATEEN IN PIECE GOODS. SODECO TRADING CORPORATION, New York, N. Y.
Filed August 15, 1947. Serial No. 531,525. PUBLISHED AUGUST 31, 1948. Class 42.

504,608. SMOKING TOBACCO. UNITED STATES TOBACCO COMPANY, New York, N. Y.
Filed August 15, 1947. Serial No. 531,551. PUBLISHED AUGUST 31, 1948. Class 17.

504,609. CHEWING TOBACCO. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y.
Filed August 15, 1947. Serial No. 531,552. PUBLISHED AUGUST 31, 1948. Class 17.

504,610. COTTON PIECE GOODS OF VARIOUS COLORS EXCLUDING ALL GOLD COLORS. JACKSON & JACKSON, INC., Tryon, N. C.
Filed August 19, 1947. Serial No. 531,802. PUBLISHED AUGUST 31, 1948. Class 42.

504,611. CLOTHESPINS. PENLEY BROTHERS, West Paris, Maine.
Filed August 19, 1947. Serial No. 531,832. PUBLISHED AUGUST 17, 1948. Class 24.

504,612. BLANK ORDER OR BUSINESS FORMS FOR USE IN MANIFOLDING REGISTERS, IN TYPEWRITERS, AND IN OTHER MACHINES. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J.
Filed August 22, 1947. Serial No. 532,102. PUBLISHED AUGUST 24, 1948. Class 37.

504,613. ALL PURPOSE ABSORBENT PAPER TISSUES. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed August 23, 1947. Serial No. 532,228. PUBLISHED AUGUST 3, 1948. Class 37.

504,614. ALL PURPOSE ABSORBENT PAPER TISSUES. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed August 23, 1947. Serial No. 532,231. PUBLISHED AUGUST 3, 1948. Class 37.

504,615. ALL PURPOSE ABSORBENT PAPER TISSUES. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed August 23, 1947. Serial No. 532,232. PUBLISHED AUGUST 3, 1948. Class 37.

504,616. DRY, PASTE AND READY-MIXED PAINTS, ETC. ARTHUR E. NEUMANN, Chicago, Ill.
Filed August 25, 1947. Serial No. 532,331. PUBLISHED AUGUST 3, 1948. Class 16.

504,617. STEREOTYPE MATS. BURGESS CELLULOSE COMPANY, Freeport, Ill.
Filed August 21, 1947. Serial No. 532,415. PUBLISHED AUGUST 3, 1948. Class 37.

504,618. SANITIZING AGENTS WITH GERMICIDAL PROPERTIES. THE MATHIESON ALKALI WORKS, New York, N. Y., now by change of name to Mathieson Chemical Corporation.
Filed August 26, 1947. Serial No. 532,472. PUBLISHED AUGUST 10, 1948. Class 6.

504,619. PERFUMES. GEORGE ROBERT PARKINSON, doing business as Jean-Louis Le Court Co., New York, N. Y.
Filed August 26, 1947. Serial No. 532,489. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,620. PAINT OIL, USED BOTH AS A VEHICLE FOR PAINT PIGMENTS AND ALSO IN THINNING PASTE PAINTS. KELLOGGS & MILLER SALES CORP., Amsterdam, N. Y., and Philadelphia, Pa.
Filed August 27, 1947. Serial No. 532,603. PUBLISHED AUGUST 10, 1948. Class 16.

504,621. PLUMBING FIXTURES—NAMELY, WATER CLOSETS. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y.
Filed August 28, 1947. Serial No. 532,684. PUBLISHED AUGUST 17, 1948. Class 13.

504,622. PLUMBING FIXTURES—NAMELY, WATER CLOSETS. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y.
Filed August 28, 1947. Serial No. 532,685. PUBLISHED AUGUST 17, 1948. Class 13.

504,623. PHONOGRAPH NEEDLES. COLUMBIA RECORDS INC., Bridgeport, Conn.
Filed August 29, 1947. Serial No. 532,804. PUBLISHED SEPTEMBER 7, 1948. Class 36.

504,624. INKWELLS. STERLING PLASTICS CO., Union, N. J.
Filed August 30, 1947. Serial No. 532,965. PUBLISHED AUGUST 3, 1948. Class 37.

504,625. BRANDY, WHISKEY, AND RUM. J. & J. DISTRIBUTING COMPANY, Newark, N. J.
Filed September 2, 1947. Serial No. 533,027. PUBLISHED SEPTEMBER 7, 1948. Class 49.

504,626. SLABS AND SHEETS OF VULCANIZED RUBBER (NATURAL OR SYNTHETIC). DANBURY RUBBER COMPANY, INC., Danbury, Conn.
Filed September 4, 1947. Serial No. 533,279. PUBLISHED AUGUST 17, 1948. Class 50.

504,627. STRINGS FOR TENNIS, BADMINTON, AND SQUASH RACKETS. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 533,431. PUBLISHED AUGUST 17, 1948. Class 22.

504,628. FLAVORING EXTRACTS AND SYRUPS FOR FLAVORING SOFT DRINKS. H. BARON & CO. INC., Linden, N. J.
Filed September 5, 1947. Serial No. 533,529. PUBLISHED SEPTEMBER 7, 1948. Class 45.

504,629. WRITING PENS OF ALL KINDS. THE ESTERBROOK PEN COMPANY, Camden, N. J.
Filed September 9, 1947. Serial No. 533,861. PUBLISHED AUGUST 17, 1948. Class 37.

504,630. CIGARS. TAMPA CIGAR COMPANY, INC., Tampa, Fla.
Filed September 9, 1947. Serial No. 533,950. PUBLISHED AUGUST 31, 1948. Class 17.

504,631. PENCILS OF ALL KINDS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed September 11, 1947. Serial No. 534,113. PUBLISHED AUGUST 10, 1948. Class 37.

504,632. STEEL SHEETS AND PLATES. INLAND STEEL COMPANY, Chicago, Ill.
Filed September 13, 1947. Serial No. 534,448. PUBLISHED AUGUST 10, 1948. Class 14.

504,633. NONALCOHOLIC, MALTLESS BEVERAGE—NAMELY, A COLA DRINK. H. R. NICHOLSON COMPANY, Baltimore, Md.
Filed September 8, 1947. Serial No. 534,498. PUBLISHED SEPTEMBER 7, 1948. Class 45.

504,634. APPLE BRANDY. R. U. DELAPENHA & Co. INC., New York, N. Y.
Filed September 16, 1947. Serial No. 534,607. PUBLISHED AUGUST 17, 1948. Class 49.

504,635. EXTREME PRESSURE LUBRICATING OILS AND GREASES FOR INDUSTRIAL AND AUTOMOTIVE USES. D. A. STUART OIL CO., LIMITED, Chicago, Ill.
Filed September 16, 1947. Serial No. 534,687. PUBLISHED AUGUST 31, 1948. Class 15.

504,636. ASPHALT PAINTS AND STACK AND BOILER PAINTS. TRUE-TAGG PAINT COMPANY, Memphis, Tenn.
Filed September 18, 1947. Serial No. 534,947. PUBLISHED JULY 27, 1948. Class 16.

504,637. EXTERIOR AND INTERIOR HOUSE PAINTS, FLAT WALL PAINTS, SEMI-GLOSS WALL PAINTS, ETC. TRUE-TAGG PAINT COMPANY, Memphis, Tenn.
Filed September 18, 1947. Serial No. 534,948. PUBLISHED AUGUST 10, 1948. Class 16.

504,638. INTERIOR AND EXTERIOR PAINT ENAMELS. TRUE-TAGG PAINT COMPANY, Memphis, Tenn.
Filed September 18, 1947. Serial No. 534,949. PUBLISHED AUGUST 3, 1948. Class 16.

504,639. EXTERIOR AND INTERIOR HOUSE PAINTS, FLAT WALL PAINTS, SEMI-GLOSS WALL PAINTS, PAINT ENAMELS, FLOOR PAINTS, VARNISHES, LACQUERS, OIL AND VARNISH STAINS, ETC. TRUE-TAGG PAINT COMPANY, Memphis, Tenn.
Filed September 18, 1947. Serial No. 534,952. PUBLISHED AUGUST 3, 1948. Class 16.

504,640. INTERIOR AND EXTERIOR PAINT ENAMELS. TRUE-TAGG PAINT COMPANY, Memphis, Tenn.
Filed September 18, 1947. Serial No. 534,955. PUBLISHED AUGUST 10, 1948. Class 16.

504,641. PURE AND ARTIFICIAL SILK THREADS. BELDING HEMINWAY COMPANY, New York, N. Y., assignor to Belding Heminway Company, Inc., New York, N. Y., a corporation of Delaware.
Filed September 20, 1947. Serial No. 535,120. PUBLISHED AUGUST 10, 1948. Class 43.

504,642. PURE AND ARTIFICIAL SILK THREADS. BELDING HEMINWAY COMPANY, New York, N. Y., assignor to Belding Heminway Company, Inc., New York, N. Y., a corporation of Delaware.
Filed September 20, 1947. Serial No. 535,121. PUBLISHED AUGUST 24, 1948. Class 43.

504,643. WOOLEN AND WORSTED FABRICS IN THE PIECE. VIRGINIA WOOLEN COMPANY, Winchester, Va.
Filed September 22, 1947. Serial No. 535,278. PUBLISHED AUGUST 31, 1948. Class 42.

504,644. COTTON PIECE GOODS. D. B. FULLER & CO., INC., New York, N. Y.
Filed September 23, 1947. Serial No. 535,314. PUBLISHED AUGUST 31, 1948. Class 42.

504,645. PREPARED OR READY-MIXED LIQUID PAINT ENAMELS FOR METALS. J. F. KURFEES PAINT COMPANY, Louisville, Ky.
Filed September 24, 1947. Serial No. 535,553. PUBLISHED AUGUST 3, 1948. Class 16.

504,646. PUTTY OR GLAZING COMPOUND OF THE TYPE USED IN SEATING WINDOW PANES. J. F. KURFEES PAINT COMPANY, Louisville, Ky.
Filed September 24, 1947. Serial No. 535,560. PUBLISHED AUGUST 3, 1948. Class 16.

504,647. PAINTS IN PASTE FORM. J. F. KURFEES PAINT COMPANY, Louisville, Ky.
Filed September 24, 1947. Serial No. 535,562. PUBLISHED AUGUST 3, 1948. Class 16.

504,648. BEER. MANKATO BREWING COMPANY, Mankato, Minn.
Filed September 24, 1947. Serial No. 535,577. PUBLISHED AUGUST 31, 1948. Class 48.

504,649. NATURAL SPRING-WATER AND FOR OTHER OF ITS PRODUCTS PREPARED FROM SAID SPRING-WATER, KNOWN AS ORANGEADE, SPARKLING WATER, GINGERALE, WHITE SODA, LIME RICKEY, ETC. CHIPPEWA SPRINGS CORPORATION, Minneapolis, Minn.
Filed September 26, 1947. Serial No. 535,812. PUBLISHED SEPTEMBER 7, 1948. Class 45.

504,650. WOODLINK FLOOR MATS. HOUGH SHADE CORPORATION, Janesville, Wis.
Filed September 27, 1947. Serial No. 535,963. PUBLISHED AUGUST 31, 1948. Class 50.

504,651. MECHANICALLY GROOVED RECORDS TO BE USED ON PHONOGRAPHS AND IN ELECTRICAL TRANSCRIPTION. RAVEN RECORDING COMPANY, Philadelphia, Pa.
Filed September 29, 1947. Serial No. 536,135. PUBLISHED SEPTEMBER 7, 1948. Class 36.

504,652. PAINTS IN PASTE OR SEMI-PASTE FORM, AND VARNISH. SEIDLITZ PAINT & VARNISH CO., Kansas City, Mo.
Filed September 29, 1947. Serial No. 536,146. PUBLISHED SEPTEMBER 7, 1948. Class 16.

504,653. PIANOS, PIANO ACCORDIONS, AND ELECTRONIC ORGANS. THE RUDOLPH WURLITZER COMPANY, Chicago, Ill.
Filed September 27, 1947. Serial No. 536,203. PUBLISHED SEPTEMBER 7, 1948. Class 36.

504,654. TENNIS RACKETS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed October 2, 1947. Serial No. 536,554. PUBLISHED AUGUST 3, 1948. Class 22.

504,655. GOLF CLUBS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed October 3, 1947. Serial No. 536,652. PUBLISHED AUGUST 3, 1948. Class 22.

504,656. RUGS. THE KLEARFLAX LINEN LOOMS, INC., Duluth, Minn.
Filed October 6, 1947. Serial No. 536,906. PUBLISHED AUGUST 31, 1948. Class 42.

504,657. VENETIAN BLINDS. MODERN VENETIAN BLINDS, INC., New York, N. Y.
Filed October 6, 1947. Serial No. 536,945. PUBLISHED SEPTEMBER 7, 1948. Class 32.

504,658. PAPER PLATES. THE OLD TOWN COMPANY, Old Town, Maine, assignor to Stevens & Thompson Paper Co., Greenwich, N. Y., a corporation of New York.
Filed October 10, 1947. Serial No. 537,496. PUBLISHED SEPTEMBER 7, 1948. Class 2.

504,659. INSECTICIDES AND COMPOSITIONS EFFECTIVE AS INSECT AND/OR ANIMAL REPELLANTS. ROMAN J. IRWIN, INC., New York, N. Y.
Filed October 13, 1947. Serial No. 537,702. PUBLISHED AUGUST 17, 1948. Class 6.

504,660. PROTECTIVE METAL PAINTS IN LIQUID FORM. M. J. MERKIN PAINT CO., INC., New York, N. Y.
Filed October 14, 1947. Serial No. 537,807. PUBLISHED AUGUST 3, 1948. Class 16.

504,661. WATCHES. E. M. ROSENTHAL JEWELRY CO., Washington, D. C.
Filed October 14, 1947. Serial No. 537,833. PUBLISHED AUGUST 31, 1948. Class 27.

504,662. PAINTS IN PASTE AND LIQUID FORM, PAINT AND SYNTHETIC PRIMERS, SYNTHETIC LACQUERS, VARNISHES, WOOD AND METAL SEALERS, AND PAINT AND LACQUER THINNERS, ALL FOR MARINE USE AS SUCH. COATING MATERIALS LABORATORIES, INC., Belleville, N. J.
Filed October 17, 1947. Serial No. 538,098. PUBLISHED AUGUST 3, 1948. Class 16.

504,663. LIQUID FLOOR WAX AND WAX PASTE FOR FLOORS, FURNITURE, WOODWORK AND AUTOMOBILES. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed October 17, 1947. Serial No. 538,126. PUBLISHED AUGUST 10, 1948. Class 16.

504,664. QUILTED PADDING BY THE YARD OR ROLL, CONSISTING OF COTTON BATTING BETWEEN SHEETS OF PLASTIC FILM. PROTEX PRODUCTS COMPANY, Jersey City, N. J.
Filed October 17, 1947. Serial No. 538,174. PUBLISHED AUGUST 31, 1948. Class 42.

504,665. PAINT ENAMELS. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y.
Filed October 18, 1947. Serial No. 538,292. PUBLISHED AUGUST 10, 1948. Class 16.

504,666. BLANKETS. THE L. B. PRICE MERCANTILE COMPANY, St. Louis, Mo.
Filed October 18, 1947. Serial No. 538,314. PUBLISHED AUGUST 31, 1948. Class 42.

504,667. BARN PAINT AND PAINT ENAMELS SOLD IN PASTE AND LIQUID FORM. CHICAGO PAINTS, INC., Chicago, Ill.
Filed October 20, 1947. Serial No. 538,366. PUBLISHED AUGUST 3, 1948. Class 16.

504,668. NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, ORNAMENTAL PINS, HAT ORNAMENTS; HOLDERS FOR FACE POWDER—NAMELY, COMPACTS; COMB CASES, AND JEWELRY INITIALS. CORO, INC., New York, N. Y.
Filed October 21, 1947. Serial No. 538,498. PUBLISHED AUGUST 31, 1948. Class 28.

504,669. WINDOW CURTAINS. ARDSLEY CURTAIN CO., INC., New York, N. Y.
Filed October 22, 1947. Serial No. 538,591. PUBLISHED AUGUST 31, 1948. Class 42.

504,670. FABRICS IN THE PIECE OF FLAX, RAMIE, COTTON, AND COMBINATIONS THEREOF, INCLUDING PLAIN AND EMBROIDERED LINEN, TOWELING, AND DAMASK. GRIBBON COMPANY, INC., New York, N. Y.
Filed October 22, 1947. Serial No. 538,636. PUBLISHED AUGUST 31, 1948. Class 42.

504,671. ALUMINUM PAINT FOR EXTERIOR OR INTERIOR. M. J. MERKIN PAINT CO., INC., New York, N. Y.
Filed October 23, 1947. Serial No. 538,797. PUBLISHED AUGUST 3, 1948. Class 16.

504,672. CUE BALLS. ALBANY BILLIARD BALL COMPANY, Albany, N. Y.
Filed October 25, 1947. Serial No. 539,014. PUBLISHED AUGUST 10, 1948. Class 22.

504,673. COATED FABRICS, IN THE PIECE, OF COTTON OR RAYON. GRACE & WAYNE CO., New York, N. Y.
Filed October 25, 1947. Serial No. 539,046. PUBLISHED AUGUST 31, 1948. Class 42.

504,674. WATCHES AND WATCH CASES. LUTRINGER & KAMMERER, INC., New York, N. Y.
Filed October 25, 1947. Serial No. 539,065. PUBLISHED AUGUST 31, 1948. Class 27.

504,675. RUST-RESISTANT PRIMING PAINT. M. J. MERKIN PAINT CO., INC., New York, N. Y.
Filed October 25, 1947. Serial No. 539,070. PUBLISHED AUGUST 3, 1948. Class 16.

504,676. INSECTICIDES. SAM HOUSTON COMPANY, Birmingham, Ala.
Filed October 27, 1947. Serial No. 539,170. PUBLISHED AUGUST 31, 1948. Class 6.

504,677. PLASTIC FILM, IN THE PIECE, FOR MAKING INTO CURTAINS, APRONS, COVERS, BABY PANTS, AND THE LIKE. RESILOID CORPORATION, Brooklyn, N. Y.
Filed October 28, 1947. Serial No. 539,350. PUBLISHED AUGUST 31, 1948. Class 42.

504,678. VARNISH. MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn.
Filed July 5, 1947. Serial No. 539,602. PUBLISHED AUGUST 10, 1948. Class 16.

504,679. RESIN FOR USE IN CONNECTION WITH STRINGED MUSICAL INSTRUMENTS. THE HIDERSINE COMPANY LIMITED, Shirley, Croydon, England.
Filed October 31, 1947. Serial No. 539,699. PUBLISHED SEPTEMBER 7, 1948. Class 36.

504,680. SMOKING AND CHEWING TOBACCO. PENN TOBACCO COMPANY, Wilkes-Barre, Pa.
Filed October 31, 1947. Serial No. 539,752. PUBLISHED SEPTEMBER 7, 1948. Class 17.

504,681. VITAMIN CAPSULES. THE HAROLD N. SIMPSON COMPANY, Oak Park, Ill.
Filed November 5, 1947. Serial No. 540,207. PUBLISHED AUGUST 24, 1948. Class 6.

504,682. WATCHES. IRVING SHERMAN, doing business as Sherco Watch Company, Philadelphia, Pa.
Filed November 6, 1947. Serial No. 540,321. PUBLISHED AUGUST 31, 1948. Class 27.

504,683. ANIMAL FEED SUPPLEMENT CONSISTING OF PURE LIME AND PURE LIME WITH IODINE AND/OR MANGANESE. MARBLEHEAD LIME COMPANY, Chicago, Ill.
Filed November 7, 1947. Serial No. 540,427. PUBLISHED AUGUST 31, 1948. Class 6.

504,684. PRINCESS SLIPS, NIGHTGOWNS, LADIES' UNIFORMS FOR WORK PURPOSES, PAJAMAS, CHEMISES, AND CHILDREN'S PRINCESS SLIPS, NIGHTGOWNS, PAJAMAS, AND CHEMISES, OF A PERCALE FABRIC. I. SCHNEIERSON & SONS, INC., New York, N. Y.
Filed November 7, 1947. Serial No. 540,461. PUBLISHED AUGUST 10, 1948. Class 39.

504,685. IRONING TABLES. GEUDER, PAESCHKE & FREY CO., Milwaukee, Wis.
Filed November 14, 1947. Serial No. 541,128. PUBLISHED AUGUST 31, 1948. Class 24.

504,686. VISIBLE RECORD CARD INDEX SYSTEMS CONSISTING OF SETS OF PAPER CARDS AND CARD SIGNALS ARRANGED IN VISIBLE INDEX FORM FOR THE KEEPING OF RECORD DATA; PARTIALLY PRINTED VISIBLE RECORD AND INDEX CARDS, AND PARTIALLY PRINTED VISIBLE CARD BOOKS. ACME VISIBLE RECORDS, INC., Chicago, Ill.
Filed July 23, 1947. Serial No. 541,760. PUBLISHED AUGUST 31, 1948. Class 37.

504,687. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, FINGER RINGS, BRACELETS, AND PENDANTS. A. C. BECKEN CO., Chicago, Ill.
Filed September 6, 1947. Serial No. 543,008. PUBLISHED SEPTEMBER 7, 1948. Class 28.

504,688. BOOKKEEPING FORMS AND ACCOUNTING RECORDS, SOLD AS SUCH. CONTINENTAL BOOKKEEPING SERVICE, Kansas City, Mo., assignor to Continental Bookkeeping Service, Kansas City, Mo., a firm composed of Walter H. Azbill and J. G. Leavitt.
Filed December 8, 1947. Serial No. 543,685. PUBLISHED AUGUST 24, 1948. Class 37.

504,689. HAIR DRESSING. THE MENNEN COMPANY, Newark, N. J.
Filed December 16, 1947. Serial No. 544,454. PUBLISHED JUNE 1, 1948. Class 6.

504,690. LINOLEUM PASTE. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed December 19, 1947. Serial No. 544,912. PUBLISHED AUGUST 24, 1948. Class 5.

504,691. CARPETS AND RUGS. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y.
Filed December 26, 1947. Serial No. 545,544. PUBLISHED AUGUST 24, 1948. Class 42.

504,692. IMPREGNATED CLEANSING AND POLISHING CLOTH AND IMPREGNATING COMPOUND THEREFOR. HERBERT HONIG, doing business as Tutchon Products Co., New York, N. Y.
Filed January 2, 1948. Serial No. 545,985. PUBLISHED SEPTEMBER 7, 1948. Class 4.

504,693. CARBON PAPER AND INKED RIBBONS. MANIFOLD SUPPLIES COMPANY, Brooklyn, N. Y.
Filed January 8, 1948. Serial No. 546,504. PUBLISHED AUGUST 31, 1948. Class 11.

504,694. FABRICS IN THE PIECE MADE OF RAYON. PONDEL FABRICS, INC., Pawtucket, R. I., assignor to Charles W. Carvin Co., Inc., New York, N. Y., a corporation of New York.
Filed January 9, 1948. Serial No. 546,603. PUBLISHED AUGUST 24, 1948. Class 42.

504,695. WOOLEN PIECE GOODS. STRONG HEWAT & CO., INC., New York, N. Y.
Filed January 10, 1948. Serial No. 546,735. PUBLISHED AUGUST 31, 1948. Class 42.

504,696. RUGS USED AS FLOOR COVERINGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed January 15, 1948. Serial No. 547,137. PUBLISHED AUGUST 31, 1948. Class 42.

504,697. FULL LENGTH WINDOW CURTAINS AND DRAPES. RICHARD BORDEN MILLS CORP., Fall River, Mass.
Filed January 30, 1948. Serial No. 548,326. PUBLISHED AUGUST 31, 1948. Class 42.

504,698. GARMENT SHOULDER PADS AND HEM FACINGS. CLAIR'S MFG. CO., Los Angeles, Calif.
Filed February 10, 1948. Serial No. 549,229. PUBLISHED AUGUST 31, 1948. Class 40.

504,699. BUCKLES, SLIDES, GRIPS, AND CLASPS FOR SUSPENDERS AND GARTERS; GARMENT BUCKLES, COLLAR BARS, CUFF LINKS, AND NECKTIE HOLDERS, ALL MADE OF BASE METAL. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed February 10, 1948. Serial No. 549,255. PUBLISHED AUGUST 31, 1948. Class 40.

504,700. BOB PINS. SOLO PRODUCTS CORPORATION, New York, N. Y.
Filed February 11, 1948. Serial No. 549,476. PUBLISHED AUGUST 31, 1948. Class 40.

504,701. SHOULDER PADS. R. G. BARRY CORPORATION, Columbus, Ohio.
Filed February 13, 1948. Serial No. 549,610. PUBLISHED AUGUST 31, 1948. Class 40.

504,702. SOAP. ESSENTIAL CHEMICALS CO., Milwaukee, Wis.
Filed February 26, 1948. Serial No. 550,591. PUBLISHED AUGUST 24, 1948. Class 4.

504,703. CLEANING COMPOUND FOR CLEANING INK FROM METAL RESERVOIRS. MARKEM MACHINE COMPANY, Keene, N. H.
Filed April 8, 1948. Serial No. 554,138. PUBLISHED AUGUST 24, 1948. Class 4.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

504,704. (CLASS 12. CONSTRUCTION MATERIALS.) THE DAVISON CHEMICAL CORPORATION, Baltimore, Md. Filed Jan. 9, 1948. Serial No. 470,258.

PROTEK-SEAL

FOR AN ASPHALTIC COMPOUND FOR USE AS A MOISTURE AND WATER-PROOF SEAL ON ALL TYPES OF WATER-PROOF PAPER, INCLUDING CREPE AND CRINKLE PAPER.
Claims use since May 2, 1944.

504,705. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZEHRUNG CHEMICAL COMPANY, Portland, Oreg., assignee of Miller and Zehrung Company. Filed Mar. 6, 1948. Serial No. 507,650.

GO-FER-GAS

FOR PREPARATION FOR USE IN THE CONTROL OF RODENTS.
Claims use since June 20, 1943.

504,706. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHIZ FISH PRODUCTS COMPANY, INC., Seattle, Wash. Filed Aug. 5, 1947. Serial No. 508,770.

Salad of the Sea

FOR CANNED FISH.
Claims use since July 20, 1946.

504,707. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILSON ATHLETIC GOODS MFG. CO., INC., Chicago, Ill. Filed Sept. 11, 1947. Serial No. 509,485.

GRUV-GRIP

FOR GOLF CLUBS AND TENNIS RACKETS AND FLEXIBLE STRAP-LIKE MATERIAL FOR USE IN FORMING HANDLE GRIPS ON GOLF CLUBS, TENNIS RACKETS, AND THE LIKE.
Claims use since Aug. 12, 1946.

504,708. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CARL S. WILLIAMSON, doing business as C. S. Williamson & Company, Orangeburg, S. C. Filed Sept. 16, 1948. Serial No. 511,718.



FOR FISH STRINGER.
Claims use since Sept. 2, 1946.

504,709. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) DUNCAN HARWOOD & COMPANY, LTD., Vancouver, British Columbia, Canada. Filed Nov. 25, 1947. Serial No. 514,472.

Harwood's

Applicant claims ownership of registration No. 317,453.
FOR WHISKEY, GIN, RUM, BRANDY, LIQUEURS, AND ALCOHOLIC CORDIALS.
Claims use since Apr. 13, 1944.

504,710. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MARY BING RICHEY, doing business as Bing Richey, North Hollywood, Calif. Filed Aug. 30, 1948. Serial No. 514,720.

"RENORING"

FOR FINGER RINGS REPRESENTING A BROKEN WEDDING BAND.
Claims use since Oct. 1, 1946.

504,711. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) OHIO FLORISTS' ASSOCIATION, Columbus, Ohio. Filed June 1, 1948. Serial No. 517,508.

TILFORD'S ORIGINATOR'S STRAIN
WILT RESISTANT

FOR FLOWER SEEDS.
Claims use since Nov. 12, 1946.

504,712. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. A. STANLEY, doing business as Stanley Industries, Seattle, Wash. Filed Oct. 27, 1947. Serial No. 519,045.

OLD TRAPPER
ANTU-20

No claim is made to the notation Antu-20 apart from the mark shown. Applicant claims ownership of registration No. 424,703.
FOR PREPARATION FOR EXTERMINATING RODENTS.
Claims use since Oct. 5, 1946.

504,713. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HANSON SCALE COMPANY, Chicago, Ill. Filed June 26, 1948. Serial No. 527,478.

WAY RITE

FOR HOUSEHOLD SCALES.
Claims use since Feb. 10, 1946.

504,714. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THOMPSON'S SPORTING GOODS, New London, Conn. Filed Sept. 16, 1948. Serial No. 528,657.



FOR FISHING TACKLE—NAMELY, RODS, REELS, LINES, FLIES, SPINNERS, NETS, AND BOXES.
Claims use since June 16, 1947.

504,715. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Sept. 8, 1948. Serial No. 529,922.

Kitchen KAP

FOR CLOSURE CAPS FOR BOTTLES AND JARS MADE OF SEMI-FLEXIBLE PLASTIC MATERIAL.
Claims use since May 1947.

504,716. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE AMERICAS MANUFACTURING AND SALES COMPANY, Tulsa, Okla. Filed Sept. 24, 1948. Serial No. 532,986.



FOR BRAKE BAND LININGS AND BRAKE BAND BLOCKS.
Claims use since June 27, 1947.

504,717. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Sept. 11, 1947. Serial No. 534,364.



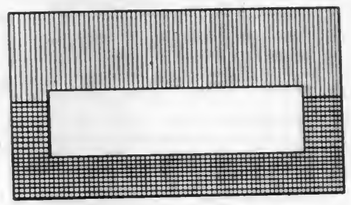
Applicant claims ownership of registrations Nos. 428,477, 428,478, and 428,699.
FOR ELECTRIC MOTORS, SWITCH BOX COVERS, AND ELECTRIC WELDERS AND COMPONENT PARTS THEREOF.
Claims use since Dec. 13, 1945.

504,718. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE DAVID J. JOSEPH COMPANY, Cincinnati, Ohio, doing business as Trenton Manufacturing Company, Covington, Ky. Filed Sept. 23, 1948. Serial No. 538,146.

Trenton

No claim is made to the representation of a fish hook apart from the mark as shown.
FOR FISHING EQUIPMENT—NAMELY, ARTIFICIAL BAITS AND LURES.
Claims use since Feb. 28, 1946.

504,719. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THERMOID COMPANY, Trenton, N. J. Filed July 23, 1948. Serial No. 544,794.



The drawing is lined for the colors red, black and white.
FOR BRAKE LINING SETS, BEING PIECES OF BRAKE LINING WHICH HAVE BEEN MANUFACTURED AND SHAPED TO FIT THE PARTICULAR CAR FOR WHICH THEY ARE SOLD.
Claims use since 1937.

TRADE-MARK REGISTRATIONS RENEWED

71,075. SYRACUSE. Registered Oct. 27, 1908. Syracuse Chilled Plow Co. Re-renewed Oct. 27, 1948, to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y., a corporation of New York. PLOWS AND PARTS THEREOF. Class 23.

71,606. REPRESENTATION OF LION WITHIN OVAL FRAME SURMOUNTED BY CROWN. Registered Dec. 1, 1908. The Stroh Brewery Company. Re-renewed Dec. 1, 1948, to The Stroh Brewery Company, Detroit, Mich., a corporation of Arizona. BEER, BROWN STOUT, PORTER AND MALT EXTRACT. Classes 6 and 48.

72,478. CYKO. Registered Jan. 26, 1909. Ansco Company, Binghamton, N. Y. Re-renewed Jan. 26, 1949, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. PHOTOGRAPHIC PAPER. Class 26.

72,496. RISISTO. Registered Jan. 26, 1909. The Paraffine Paint Co. Re-renewed Jan. 26, 1949, to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware. FELT ROOFING AND BUILDING AND SHEATHING PAPERS. Class 12.

72,755. "MARLIN" ETC. AND REPRESENTATION OF GUN. Registered Feb. 16, 1909. The Marlin Firearms Co. Re-renewed Feb. 16, 1949, to The Marlin Firearms Company, New Haven, Conn., a corporation of Connecticut. SHOTGUNS AND RIFLES. Class 9.

72,889. "THE HOFF-MAN". Registered Mar. 2, 1909. United States Hoffman Company, Syracuse, N. Y. Renewed Mar. 2, 1949, to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware. STEAM CLOTHES PRESSING MACHINES. Class 24.

72,937. CHUMS. Registered Mar. 2, 1909. Rueckheim Bros. & Eckstein. Re-renewed Mar. 2, 1949, to The Cracker Jack Co., Chicago, Ill., a corporation of Illinois. CANDIED POPCORN. Class 46.

223,343. "JACK" ETC. AND DRAWING. Registered Feb. 1, 1927. J. Arnoult, Marseille, France. Renewed Feb. 1, 1947, to Etablissements F. Vinatié, Bordeaux, France, a corporation of France. DATES, PARTICULARLY THE MUSCADE VARIETY. Class 46.

224,359. GOLD COAST. Registered Feb. 22, 1927. Chapman Orchards, Fullerton and Lindsay, Calif. Renewed Feb. 22, 1947, to Placentia Orchard Company, Fullerton, Calif., a corporation of California. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Class 46.

236,852. THE HARRISTER. Registered Dec. 27, 1927. Harris Raincoat Company. Renewed Dec. 27, 1947, to Harris Raincoat Company, Inc., New York, N. Y., a corporation of New York. WATER-PROOFED CLOTHING—NAMELY, RAINCOATS, AND RAIN CAPES FOR MEN, WOMEN, AND CHILDREN. Class 39.

239,245. ARWELL. Registered Feb. 28, 1928. Arwell Products Company, Chicago, Ill. Renewed Feb. 28, 1948, to Arwell, Inc., Waukegan, Ill., a corporation of Illinois. HOUSEHOLD DEODORANT AND MOTH PREVENTATIVE. Class 6.

243,969. "B. HELLER & CO." ETC. AND DESIGN. Registered July 3, 1928. B. Heller & Company, Chicago, Ill., a corporation of Illinois. Renewed July 3, 1948. DESSERT POWDERS, ICE-CREAM POWDERS, COCOA, SPICES, PIE-TOPPING PREPARATIONS, ETC. Class 46.

245,247. SEL-. Registered Aug. 7, 1928. The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio. Renewed Aug. 7, 1948. SHOES CONSTRUCTED OF LEATHER AND/OR FABRIC. Class 39.

245,719. BLACKHAWK. Registered Aug. 21, 1928. Grant Storage Battery Company, Minneapolis, Minn., a corporation of Minnesota. Renewed Aug. 21, 1948. STORAGE BATTERIES. Class 21.

245,824. FURNOVA. Registered Aug. 21, 1928. Forstmann & Huffmann Company. Renewed Aug. 21, 1948, to Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS—NAMELY, WOOLEN DRESS FABRICS. Class 42.

246,039. MICROLIN. Registered Aug. 28, 1928. Dehls & Stein. Renewed Aug. 28, 1948, to Dehls & Stein, Inc., Newark, N. J., a corporation of New Jersey. CLEANSING, STERILIZING, AND PURIFYING FLUID. Class 6.

246,273. KASHMIRBELLA. Registered Sept. 4, 1928. Forstmann & Huffmann Company. Renewed Sept. 4, 1948, to Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

246,274. KASHMEEDA. Registered Sept. 4, 1928. Forstmann & Huffmann Company. Renewed Sept. 4, 1948, to Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

246,275. KASHMIRTOVA. Registered Sept. 4, 1928. Forstmann & Huffmann Company. Renewed Sept. 4, 1948, to Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

246,470. MANCHU. Registered Sept. 11, 1928. The Stearns & Foster Company, Lockland, Ohio, a corporation of Ohio. Renewed Sept. 11, 1948. COTTON BATTING. Class 1.

247,313. MAJORA. Registered Sept. 25, 1928. Forstmann & Huffmann Company. Renewed Sept. 25, 1948, to Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

247,314. SUPREMA. Registered Sept. 25, 1928. Forstmann & Huffmann Company. Renewed Sept. 25, 1948, to Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

247,568. HEBREW WORDS MEANING "ROKEACH'S KOSHER SCOURING POWDER" ETC. AND DESIGN. Registered Oct. 2, 1928. I. Rokeach & Sons, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Oct. 2, 1948. SCOURING POWDER. Class 4.

247,600. HANG-IN. Registered Oct. 2, 1928. The White Tar Company of New Jersey, Inc., Kearny, N. J. Renewed Oct. 2, 1948, to Manahan Moth Paper Company, Brooklyn, N. Y., a corporation of New York. GARMENT BAGS OF PAPER OR CLOTH. Class 2.

247,601. LOX-IN. Registered Oct. 2, 1928. The White Tar Company of New Jersey, Inc., Kearny, N. J. Renewed Oct. 2, 1948, to Manahan Moth Paper Company, Brooklyn, N. Y., a corporation of New York. GARMENT BAGS OF PAPER OR CLOTH. Class 2.

247,674. THE "MILLION DOLLAR" RAZOR. Registered Oct. 2, 1928. Auto Strop Safety Razor Company, Inc., New York, N. Y. Renewed Oct. 2, 1948, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. SAFETY RAZORS. Class 23.

247,841. RAMSES. Registered Oct. 9, 1928. L. Hilsenbeck, Inc. Renewed Oct. 9, 1948, to Julius Schmid, Inc., New York, N. Y., a corporation of New York. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. Class 44.

248,219. REPRESENTATION OF A LUMP OF COAL LINED FOR BLUE. Registered Oct. 16, 1928. The Delaware, Lackawanna & Western Coal Company, New York, N. Y., a corporation of New Jersey. Renewed Oct. 16, 1948. COAL. Class 1.

248,265. KOOL-BLEND. Registered Oct. 16, 1928. The Flintkote Company, Boston, Mass. Renewed Oct. 16, 1948, to The Flintkote Company, New York N. Y., a corporation of Massachusetts. ASPHALTIC COMPOSITION ROOFING SHINGLES. Class 12.

248,278. KOLORDRIFT. Registered Oct. 16, 1928. The Flintkote Company, Boston, Mass. Renewed Oct. 16, 1948, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. ASPHALTIC COMPOSITION ROOFING SHINGLES. Class 12.

248,305. MOTO-AIR. Registered Oct. 16, 1928. Hudson Manufacturing Co., Minneapolis, Minn. Renewed Oct. 16, 1948, to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey. SPRAYERS AND SPRAYING ATTACHMENTS FOR HOUSEHOLD, INDUSTRIAL, AND AGRICULTURAL USES. Class 23.

248,381. FUL-VUE. Registered Oct. 16, 1928. Ernest Earl Emons, Akron, Ohio. Renewed Oct. 16, 1948 (Supplemental Register), to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts. SPECTACLES, SPECTACLE FRAMES AND PARTS THEREOF. Class 26.

248,478. "FERD. MUHLENS-COLOGNE °/RH" AND DESIGN LINED FOR GREENISH BLUE, GOLD AND BLACK COLOR. Registered Oct. 23, 1928. Paul Peter Mülhens, doing business as Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenuber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Oct. 23, 1948. SOAPS, INCLUDING SHAVING STICKS. Class 4.

248,928. NUFLEX. Registered Nov. 6, 1928. M. S. Levy & Sons, Inc., Baltimore, Md., and New York, N. Y. Renewed Nov. 6, 1948, to Men's Hats, Incorporated, Baltimore, Md., a corporation of Maryland. STRAW HATS FOR USE OF MEN. Class 39.

248,984. "MISTOL" ETC., AND REPRESENTATION OF A BOTTLE. Registered Nov. 6, 1928. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Nov. 6, 1948, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. NOSE AND THROAT SPRAY. Class 6.

249,075. JANELLE. Registered Nov. 6, 1928. McGreevey, Werring & Howell, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 6, 1948. LADIES' DRESSES, HATS, COATS, SUITS. Class 39.

249,191. "FLIT" ETC., AND LABEL DESIGN. Registered Nov. 6, 1928. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Nov. 6, 1948, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. LIQUID CLEANSING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE, AND THE LIKE AND FOR LAUNDERING OPERATIONS. Class 4.

249,246. "STUR-DEE" AND OUTLINE DESIGN. Registered Nov. 13, 1928. Stahl-Urban & Company, Terre Haute, Ind. Renewed Nov. 13, 1948, to Stahl-Urban Company, Brookhaven, Miss., and Terre Haute, Ind., a corporation of Indiana. WORK SHIRTS. Class 39.

249,568. "TRU-POISE" ETC. AND REPRESENTATION OF A BIRD. Registered Nov. 20, 1928. The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio. Renewed Nov. 20, 1948. BOOTS AND SHOES MADE OF LEATHER AND TEXTILE FABRIC. Class 39.

249,823. "MISTOL" ETC. AND CARTON DESIGN. Registered Nov. 20, 1928. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Nov. 20, 1948, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. NOSE AND THROAT SPRAY. Class 6.

250,034. "MISTOL" ETC. AND LABEL DESIGN. Registered Nov. 27, 1928. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Nov. 27, 1948, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. NOSE AND THROAT SPRAY. Class 6.

250,407. "MACY'S" AND REPRESENTATION OF SHIP AND STAR. Registered Dec. 11, 1928. R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Renewed Dec. 11, 1948. CHINAWARE. Class 30.

250,426. PRIMOL. Registered Dec. 11, 1928. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Dec. 11, 1948, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. WHITE OIL FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PURPOSES. Class 6.

250,528. FLINTKOTE PROTECTION. Registered Dec. 11, 1928. The FIntkote Company, Boston, Mass. Renewed Dec. 11, 1948, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. COMPOSITION ROLL ROOFING, COMPOSITION SHINGLES AND STRIP SHINGLES, WATERPROOF ROOFING AND BUILDING PAPER. Class 12.

250,643. "COLORGLO" AND HEAVY UNDERLINE. Registered Dec. 11, 1928. The Flintkote Company, Boston, Mass. Renewed Dec. 11, 1948, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. ASPHALTIC COMPOSITION ROOFING SHINGLES. Class 12.

251,292. CLOROX. Registered Jan. 1, 1929. Clorox Chemical Corporation, assignor to Clorox Chemical Co. Renewed Jan. 1, 1949, to Clorox Chemical Co., Oakland, Calif., a corporation of Delaware. BLEACHING, CLEANSING, ANTISEPTIC, AND GERMICIDAL COMPOUNDS. Class 6.

251,298. ACTO. Registered Jan. 1, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Jan. 1, 1949, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. WHITE MINERAL OIL FOR CHEMICAL, MEDICINAL, PHARMACEUTICAL, AND VETERINARY PURPOSES. Class 6.

251,302. RED STRIP. Registered Jan. 1, 1929. Maury-Cole Company. Renewed Jan. 1, 1949, to Canova Foods, Incorporated, Memphis, Tenn., a corporation of Tennessee. COFFEE. Class 46.

251,988. "FINAL MARKETS" AND DESIGN LINED FOR RED. Registered Jan. 22, 1929. The Chicago Daily News, Inc., Chicago, Ill., a corporation of Illinois. Renewed Jan. 22, 1949. NEWSPAPERS, INCLUDING FOREIGN AND DOMESTIC NEWS ITEMS, CARTOONS, COMIC STRIPS, ETC. Class 38.

252,012. REPRESENTATION OF LILY. Registered Jan. 22, 1929. Old Ben Coal Corporation, Chicago, Ill., a corporation of Delaware. Renewed Jan. 22, 1949. COAL. Class 1.

252,069. OLD BEN PILOT COAL. Registered Jan. 22, 1929. Old Ben Coal Corporation, Chicago, Ill., a corporation of Delaware. Renewed Jan. 22, 1949. COAL. Class 1.

252,125. "LEADS THE FIELD" AND DRAWING. Registered Jan. 22, 1929. Old Ben Coal Corporation, Chicago, Ill., a corporation of Delaware. Renewed Jan. 22, 1949. COAL. Class 1.

252,137. ECONOMET. Registered Jan. 22, 1929. General Alloys Company, Boston, Mass., a corporation of Massachusetts. Renewed Jan. 22, 1949. CASTINGS OF METAL ALLOY. Class 14.

252,138. QALLOY. Registered Jan. 22, 1929. General Alloys Company, Boston, Mass., a corporation of Massachusetts. Renewed Jan. 22, 1949. CASTINGS OF METAL ALLOY. Class 14.

252,139. GENALLOY. Registered Jan. 22, 1929. General Alloys Company, Boston, Mass. a corporation of Massachusetts. Renewed Jan. 22, 1949. CASTINGS OF METAL ALLOY. Class 14.

252,261. PERROQUET. Registered Jan. 29, 1929. R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Renewed Jan. 29, 1949. CANDIES. Class 46.

252,336. NEW PRIMA. Registered Feb. 5, 1929. Maskin-Och Brobygnads Aktiebolaget, Helsingsfors, Finland. Renewed Feb. 5, 1949, to Wärtsilä-Yhtymä O/y-Wärtsilä-Koncernen A/B, Vartsila, Finland, a corporation organized under the laws of Finland. DAIRY MACHINERY—VIZ., CREAM SEPARATORS AND CHURNS. Class 23.

252,361. COUNTRY CLUB. Registered Feb. 5, 1929. M. K. Goetz Brewing Co., St. Joseph, Mo., a corporation of Missouri. Renewed Feb. 5, 1949. MALT TONIC ESPECIALLY ADAPTED FOR THE WEAK, SICK, AND CONVALESCENT. Class 6.

252,404. TRIANON. Registered Feb. 5, 1929. Stern Brothers, New York, N. Y., a corporation of New York. Renewed Feb. 5, 1949. MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER, SUEDE, FABRIC, AND/OR COMBINATIONS THEREOF. Class 39.

252,478. ODO-RO-NO. Registered Feb. 5, 1929. The Odorono Company, Cincinnati, Ohio. Renewed Feb. 5, 1949, to The Odorono Company, Inc., Stamford, Conn., a corporation of New York. DEODORANTS IN LIQUID, POWDER, AND PASTE FORM AND PREPARATION FOR PREVENTING EXCESSIVE PERSPIRATION, ALSO DEPILATORY. Class 6.

252,655. "PHILCO" AND DESIGN. Registered Feb. 12, 1929. Philadelphia Storage Battery Co. Renewed Feb. 12, 1949, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania. RADIO RECEIVING SETS AND RADIO SPEAKERS. Class 21.

252,677. PABCO. Registered Feb. 12, 1929. The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware. Renewed Feb. 12, 1949. PREPARED FLOOR COVERINGS COMPRISING A BODY OF FIBROUS MATERIAL SATURATED WITH BITUMINOUS OR ASPHALTIC MATERIAL AND HAVING A PAINTED OR PRINTED SURFACE. Class 20.

252,952. THE CHICAGO MERCHANT. Registered Feb. 19, 1929. The Chicago Daily News, Inc., Chicago, Ill., a corporation of Illinois. Renewed Feb. 19, 1949. MONTHLY PUBLICATION DEVOTED TO PROMOTING NEW IDEAS AND OPPORTUNITIES FOR RETAILERS. Class 38.

252,985. SKY-PILOT. Registered Feb. 19, 1929. The Buckeye Overall Company, Versailles, Coldwater, and Greenville, Ohio. Renewed Feb. 19, 1949, to The Buckeye Overall Company, Versailles, Ohio, a corporation of Ohio. OVERALLS, COVERALLS; DRESS, NEGLIGEE, AND WORK SHIRTS; COATS FOR MEN, YOUTHS, AND BOYS; VESTS, PANTS; ETC. Class 39.

253,038. "THE WORLD'S GREATEST AND CHEAPEST FAT PRODUCER" AND REPRESENTATION OF HEAD OF CALF. Registered Feb. 19, 1929. Tarkio Molasses Feed Co., Kansas City, Mo., a corporation of Missouri. Renewed Feb. 19, 1949. ANIMAL FEEDS—NAMELY, MOLASSES FEED, SUGAR COTTONSEED FEED, AND DAIRY FEED. Class 46.

253,177. MENTHOL-ICED. Registered Feb. 19, 1929. The Mennen Company, Newark, N. J., a corporation of New Jersey. Renewed Feb. 19, 1949. SHAVING CREAM FOR PREPARING THE BEARD FOR SHAVING. Class 4.

253,408. BB MONOGRAM DESIGN. Registered Feb. 26, 1929. Bellman Brook Bleachery Co., Fairview, N. J., a corporation of New Jersey. Renewed Feb. 26, 1949. COTTON AND RAYON TEXTILE FABRICS. Class 42.

253,465. BEECHIES. Registered Feb. 26, 1929. Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York. Renewed Feb. 26, 1949. CANDY-COATED CHEWING GUM. Class 46.

253,524. XITE. Registered Feb. 26, 1929. General Alloys Company, Boston, Mass., a corporation of Massachusetts. Renewed Feb. 26, 1949. CASTINGS OF METAL ALLOY. Class 14.

253,631. ROMANY. Registered Mar. 5, 1929. The Hills Brothers Company, New York, N. Y., a corporation of New York. Renewed Mar. 5, 1949. CANNED PIMIENTOS. Class 46.

253,661. OVERONS. Registered Mar. 5, 1929. The Buckeye Overall Company, Versailles, Coldwater and Greenville, Ohio. Renewed Mar. 5, 1949, to The Buckeye Overall Company, Versailles, Ohio, a corporation of Ohio. MEN'S, YOUTH'S AND BOYS' OVERALLS, COATS, VESTS AND PANTS; WOMEN'S, MISSES', AND CHILDREN'S FROCKS, ETC. Class 39.

253,829. "BLUE STAR" ETC. AND REPRESENTATION OF STAR. Registered Mar. 5, 1929. Blue Star Knitting Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Mar. 5, 1949. INFANTS' KNITTED UNDERWEAR. Class 39.

253,849. "RESCO FITTED" AND DRAWING. Registered Mar. 5, 1929, Regal Shoe Company, Whitman and Boston, Mass. Renewed Mar. 5, 1949, to Regal Shoe Company, Whitman, Mass., a corporation of Massachusetts. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. Class 39.

254,133. "EXECUTIVE" ETC., AND DESIGN. Registered Mar. 12, 1929. Executive Ribbon & Carbon Co., Inc., New York, N. Y. Renewed Mar. 12, 1949, to A. P. Little, Inc., Rochester, N. Y., a corporation of New York. CARBON PAPER AND TYPEWRITER RIBBONS. Class 11.

254,429. JACK FROST. Registered Mar. 26, 1929. Jack Frost Yarn Company, New York, N. Y., a copartnership. Renewed Mar. 26, 1949. KNITTING YARNS. Class 43.

254,497. MILES STANDISH. Registered Mar. 26, 1929. Atmore & Son, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Mar. 26, 1949. MINCEMEAT. Class 46.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

412,559. SMOOTHIE. Registered Mar. 13, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. LEG MAKE-UP APPLICATORS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 3, first occurrence, "Illinois" should be *New York*.

413,735. AIRPLAST. Registered May 8, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

413,736. ARCHOPLAST. Registered May 8, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

413,737. METAPLASTIC. Registered May 8, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

413,738. SCHOPLASTIC. Registered May 8, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

413,740. KIROPLASTIC. Registered May 8, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

413,741. MEDIPLASTIC. Registered May 8, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

413,742. METAPLAS. Registered May 8, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

413,743. PRACTIPLASTIC. Registered May 8, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

414,063. TARSOPLASTIC. Registered May 22, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

416,785. WISHBONE. Registered Sept. 25, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

418,490. MECALITE. Registered Dec. 25, 1945. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

418,928. INSERT-O-FLEX. Registered Jan. 15, 1946. The Scholl Mfg. Co., Inc., Chicago, Ill. BOOTS, SHOES, AND SLIPPERS, MADE OF LEATHER, RUBBER, ETC. Class 39. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

419,224. FLEXIBAND. Registered Feb. 5, 1946. The Scholl Mfg. Co., Inc., Chicago, Ill. FLEXIBLE ADHESIVE BANDAGES. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

419,649. METROPEDIAN. Registered Feb. 26, 1946. The Scholl Mfg. Co., Inc., Chicago, Ill. APPLIANCE TO MEASURE THE FOOT FOR LENGTH, ETC. Class 26. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

420,023. TEX. Registered Mar. 19, 1946. The Scholl Mfg. Co., Inc., Chicago, Ill. TOE AND HEEL PLATES. Class 13. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

421,153. FLEXHESIVE. Registered May 21, 1946. The Scholl Mfg. Co., Inc., Chicago, Ill. ELASTIC ADHESIVE BANDAGES. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

422,941. WISHBONE. Registered Aug. 20, 1946. The Scholl Mfg. Co., Inc., Chicago, Ill. SHOES MADE OF LEATHER, FABRIC, ETC. Class 39. Corrected as follows: In the certificate, line 4, and in the statement, lines 2 and 3, first occurrence, "Illinois" should be *New York*.

423,211. PLAST-O-COMFORT. Registered Aug. 27, 1946. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

425,499. PLASTO. Registered Nov. 26, 1946. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

425,614. FORMO-MET. Registered Nov. 26, 1946. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

428,380. OSTEOPLASTIC. Registered Mar. 25, 1947. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

429,189. PEDA-PILLO. Registered Apr. 22, 1947. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

429,954. MATERNITY. Registered May 27, 1947. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 2, "Illinois" should be *New York*.

432,488. RIVER-TRAIL. Registered Sept. 2, 1947. Ultrafit Co., Inc., New York, N. Y. SPORT SHIRTS, JACKETS, ETC. Class 39. Amended as follows: In the statement, lines 7 and 8, "sport shirts, jackets, slacks and sweaters" is deleted and *sport shirts made of wool or cotton fabrics* is inserted in lieu thereof.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 79,706. Registered Sept. 27, 1910. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Ohio.

LEINETTE

FOR COTTON WADDING AND COTTON BATTING. Claims use since Mar. 1, 1900.

Reg. No. 98,581. Registered July 21, 1914. SPRINGFIELD SEED COMPANY, Springfield, Mo., a corporation of Missouri. Republished by registrant.



FOR FLOWER-SEEDS, GRASS-SEED, VEGETABLE-SEEDS AND FIELD-SEEDS.
Claims use since December 1904.

Reg. No. 146,885. Registered Sept. 20, 1921. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

JUCO

FOR JUTE AND COTTON BATS.
Claims use since Feb. 11, 1921.

Reg. No. 150,127. Registered Dec. 27, 1921. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

MOUNTAIN MIST

FOR COTTON BATTING.
Claims use since Apr. 30, 1909.

Reg. No. 150,593. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

PRINCESS

FOR COTTON BATTING.
Claims use since Apr. 23, 1897.

Reg. No. 150,594. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

EROLINE

FOR COTTON BATTING, PARTICULARLY GLAZED COTTON WADDING.
Claims use since Feb. 1, 1872.

Reg. No. 150,596. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

EXTRA

FOR COTTON BATTING, PARTICULARLY GLAZED COTTON WADDING.
Claims use since Aug. 1, 1872.

Reg. No. 150,597. Registered Jan. 3. 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

VICTORIA

FOR COTTON BATTING.
Claims use since June 20, 1888.

Reg. No. 150,599. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

ECONOMY

FOR COTTON BATTING.
Claims use since Mar. 4, 1889.

Reg. No. 150,600. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

GOVERNOR

FOR COTTON BATTING.
Claims use since June 6, 1877.

Reg. No. 150,602. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

PARAGON

FOR COTTON BATTING.
Claims use since Sept. 7, 1875.

Reg. No. 150,603. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

PEARL

FOR COTTON BATTING.
Claims use since May 6, 1874.

Reg. No. 150,605. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

STERLING

FOR COTTON BATTING.
Claims use since Oct. 27, 1892.

Reg. No. 150,610. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

WHITE ROSE

FOR COTTON BATTING.
Claims use since May 6, 1874.

Reg. No. 150,613. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

BB

FOR COTTON BATTING, PARTICULARLY GLAZED COTTON WADDING.
Claims use since Apr. 8, 1878.

Reg. No. 150,614. Registered Jan. 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

BUCKEYE

FOR COTTON BATTING, PARTICULARLY GLAZED COTTON WADDING.
Claims use since Nov. 1, 1899.

Reg. No. 153,316. Registered Mar. 14, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

WIZARD

FOR COTTON BATTING.
Claims use since Feb. 27, 1911.

Reg. No. 153,321. Registered Mar. 14, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

SNOWY OWL

FOR COTTON BATTING.
Claims use since Dec. 6, 1909.

Reg. No. 156,432. Registered June 20, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

A.A.

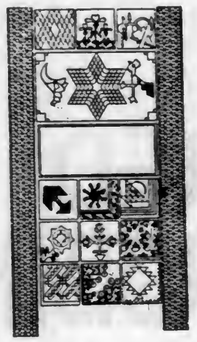
FOR COTTON BATTING, PARTICULARLY GLAZED COTTON WADDING.
Claims use since Apr. 8, 1878.

Reg. No. 258,748. Registered July 16, 1929. ATKINS & DURBROW, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PIONEER

FOR GRANULATED PEAT MOSS AND PEAT-MOSS PRODUCTS CONSISTING OF POULTRY LITTER, STABLE BEDDING, AND CATTLE BEDDING.
Claims use since Dec. 6, 1928.

Reg. No. 266,824. Registered Feb. 4, 1930. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.



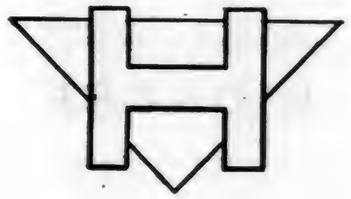
The representation of the label is disclaimed apart from the mark as shown.
FOR QUILTING COTTON.
Claims use since July 19, 1928.

Reg. No. 272,171. Registered July 1, 1930. AMERICAN STAY COMPANY, East Boston, Mass., a corporation of Massachusetts. Republished by registrant.

PURITAN

FOR LEATHER LACING OF GENERAL APPLICATION, SAID GOODS COMMONLY SOLD BY APPLICANT IN SPOOLS OF LONG CONTINUOUS LENGTHS OF LACING AND SOME OF THE USES OF THE LACING BEING THE FABRICATION AND ORNAMENTATION OF SHOES, POCKETBOOKS, GLOVES, AND FURNITURE UPHOLSTERY, AND WEAVING IT INTO CORDS FOR WATCH STRAPS AND THE LIKE.
Claims use since Apr. 15, 1929.

Reg. No. 276,421. Registered Oct. 21, 1930. THE M. A. HANNA COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



FOR HARD COAL, BITUMINOUS COAL, AND COKE.
Claims use since 1914.

Reg. No. 354,788. Registered Feb. 22, 1938. EASTERN COAL CORPORATION, Bluefield, W. Va. Republished by Eastern Coal Sales Company, Bluefield, W. Va., a corporation of West Virginia.

RED ROBIN

FOR BITUMINOUS COALS.
Claims use since Sept. 14, 1937.

Reg. No. 383,130. Registered Nov. 26, 1940. GREAT LAKES COAL & DOCK CO., St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



The word "Coal" is disclaimed apart from the mark as shown. The lining on the drawing represents the colors red and blue, but no claim is made to color.
FOR FUEL—NAMELY, COAL.
Claims use since Nov. 30, 1939.

Reg. No. 383,131. Registered Nov. 26, 1940. GREAT LAKES COAL & DOCK CO., St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



The word "Coal" is disclaimed apart from the mark as shown. The lining on the drawing represents the colors red and blue, but no claim is made to color.
FOR FUEL—NAMELY, COAL.
Claims use since Nov. 30, 1939.

Reg. No. 383,147. Registered Nov. 26, 1940. GREAT LAKES COAL & DOCK CO., St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



The word "Pocahontas" is disclaimed apart from the mark as shown. The lining on the drawing represents the colors red and blue, but no claim is made to color.
FOR FUEL—NAMELY, COAL.
Claims use since Nov. 30, 1939.

Reg. No. 383,313. Registered Dec. 3, 1940. GREAT LAKES COAL & DOCK CO., St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



The words "Power" and "Coal" are disclaimed apart from the mark as shown. The lining on the drawing represents the colors red and blue, but no claim is made to color.
FOR FUEL—NAMELY, COAL.
Claims use since Nov. 30, 1939.

Reg. No. 383,573. Registered Dec. 17, 1940. GREAT LAKES COAL & DOCK CO., St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



The word "Splint" is disclaimed apart from the mark as shown. The lining shown on the drawing represents the colors red and blue, but no claim is made to color.
FOR FUEL—NAMELY, COAL.
Claims use since Nov. 30, 1939.

Reg. No. 384,679. Registered Jan. 28, 1941. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DYPHENE

FOR SYNTHETIC RESINS.
Claims use since July 19, 1940.

Reg. No. 384,680. Registered Jan. 28, 1941. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DYMAL

FOR SYNTHETIC RESINS.
Claims use since Aug. 9, 1940.

Reg. No. 387,756. Registered May 27, 1941. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DYAL

FOR SYNTHETIC RESINS.
Claims use since July 17, 1940.

Reg. No. 387,757. Registered May 27, 1941. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DYPHENITE

FOR SYNTHETIC RESINS.
Claims use since July 26, 1940.

Reg. No. 396,773. Registered Aug. 4, 1942. GREAT LAKES COAL & DOCK CO., St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



The words "Coal" and "Elkhorn" are disclaimed apart from the mark as shown. The lining on the drawing represents the colors red and blue, but no claim is made to color.
FOR FUEL—NAMELY, COAL.
Claims use since May 1, 1941.

Reg. No. 407,306. Registered May 30, 1944. REICHHOLD CHEMICALS, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

RESYNTHETICS

FOR RESINS, SPECIFICALLY SYNTHETIC RESINS AND PROCESSED NATURAL RESINS; RESIN SOLUTIONS, SPECIFICALLY PLASTIC RESIN SOLUTIONS.
Claims use since June 30, 1943.

Reg. No. 408,699. Registered Aug. 29, 1944. REICHHOLD CHEMICALS, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

PLYOPHEN

FOR SYNTHETIC PLASTIC RESINS.
Claims use since Dec. 12, 1942.

Reg. No. 424,598. Registered Oct. 15, 1946. GREAT LAKES COAL & DOCK CO., St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



The words "Eastern Kentucky" are disclaimed apart from the mark as shown. The drawing is lined for shading only.

FOR FUEL—NAMELY, COAL.
Claims use since May 1, 1944.

CLASS 2

RECEPTACLES

Reg. No. 257,780. Registered June 18, 1929. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR PORTABLE OILERS WITH SPOUTS.
Claims use since Aug. 23, 1928.

Reg. No. 416,079. Registered Aug. 28, 1945. MORRIS HOFFMAN, New York, N. Y. Republished by registrant.

TUX

FOR MEN'S AND LADIES' JEWELRY (NOT INCLUDING WATCHES), MADE OF SEMI-PRECIOUS METALS AND PRECIOUS METALS—NAMELY, RINGS, TIE PINS, COLLAR PINS AND BUTTONS, TIE CLASPS, TIE HOLDERS, CUFF LINKS, WATCH AND KEY CHAINS, BELT BUCKLES, WATCH STRAPS, METAL TRIMMED WALLETS, BRACELETS; RELIGIOUS JEWELRY—NAMELY, ROSARIES, CRUCIFIXES, ICONS, AND STATUETTES; IDENTIFICATION TAGS, NECK CHAINS, MILITARY INSIGNIA, CIGARETTE CASES, LIGHTERS AND HOLDERS, BROOCH PINS AND CHAINS, CHARMS, LOCKETS, ANKLET CHAINS, NECKLACES, HAIR PINS AND HAIR ORNAMENTS, COMPACTS, EARRINGS, LAPEL AND DRESS PINS, AND DRESS CLIPS.
Claims use since January 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 416,079. Registered Aug. 28, 1945. MORRIS HOFFMAN, New York, N. Y. Republished by registrant.

TUX

FOR MEN'S AND LADIES' JEWELRY (NOT INCLUDING WATCHES), MADE OF SEMI-PRECIOUS METALS AND PRECIOUS METALS—NAMELY, RINGS, TIE PINS, COLLAR PINS AND BUTTONS, TIE CLASPS, TIE HOLDERS, CUFF LINKS, WATCH AND KEY CHAINS, BELT BUCKLES, WATCH STRAPS, METAL TRIMMED WALLETS, BRACELETS; RELIGIOUS JEWELRY—NAMELY, ROSARIES, CRUCIFIXES, ICONS, AND STATUETTES; IDENTIFICATION TAGS, NECK CHAINS, MILITARY INSIGNIA, CIGARETTE CASES, LIGHTERS AND HOLDERS, BROOCH PINS AND CHAINS, CHARMS, LOCKETS, ANKLET CHAINS, NECKLACES, HAIR PINS AND HAIR ORNAMENTS, COMPACTS, EARRINGS, LAPEL AND DRESS PINS, AND DRESS CLIPS.
Claims use since January 1941.

Reg. No. 431,730. Registered Aug. 5, 1947. MORRIS ROSKIN, doing business as Corvette Leather Goods Company, Gloversville, N. Y. Republished by Morris Roskin, Gloversville, N. Y., assignor to Kervita, Inc., a corporation of New York.

Corvette

FOR HANDBAGS.
Claims use since Feb. 1, 1946.

Reg. No. 431,731. Registered Aug. 5, 1947. MORRIS ROSKIN, doing business as Corvette Leather Goods Company, Gloversville, N. Y. Republished by Morris Roskin, Gloversville, N. Y., assignor to Kervita, Inc., a corporation of New York.



FOR HANDBAGS.
Claims use since Feb. 1, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 319,539. Registered Nov. 27, 1934. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

A PLUS

FOR SOAP.
Claims use since July 23, 1934.

Reg. No. 344,122. Registered Mar. 16, 1937. THE BARBASOL COMPANY, Indianapolis, Ind., a corporation of Delaware. Republished by registrant.



The representation of a carton per se is disclaimed apart from the mark as shown. The drawing is lined to indicate the colors blue and red. The trade-mark consists of parallel diagonal, red, white, and blue stripes.

FOR PASTE-LIKE PREPARATION FOR SHAVING.
Claims use since Sept. 1919.

Reg. No. 350,985. Registered Oct. 12, 1937. D. H. GOLDMAN, doing business as Zeen Chemical Company, Cleveland, Ohio. Republished by Rose Goldman, Cleveland, Ohio.

ZEEN

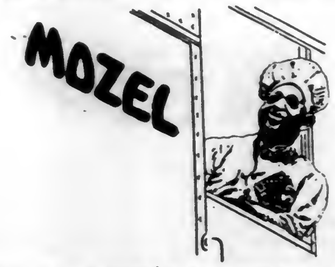
FOR DRY CLEANING FLUID WITH NAPHTHA BASE; RUG AND CARPET WET SHAMPOO, A COMBINATION OF DRY CLEANER AND WATER; DRY CLEANER IN CONCENTRATED FORM TO BE USED IN CONJUNCTION WITH THE LIQUID DRY CLEANER; SANITARY CLEANER WITH NAPHTHA BASE WHICH BOTH CLEANS AND DISINFECTS.
Claims use since November 1934.

Reg. No. 374,474. Registered Jan. 9, 1940. STEELE-WEDELES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Lemonated

FOR HOUSEHOLD CLEANSER.
Claims use since Mar. 10, 1939.

Reg. No. 376,958. Registered Apr. 9, 1940. MO-ZEL CHEMICAL PRODUCTS COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.



The trade-mark appears in white upon a dark blue background and this color scheme is an essential feature of the mark.

FOR NON-SAPONACEOUS CLEANING COMPOUND PARTICULARLY ADAPTED FOR CLEANING GLASS, CHINAWARE, SILVERWARE, TABLE, AND KITCHEN UTENSILS, DRAINBOARDS, SINKS, BASINS, AND FLOORS.
Claims use since Sept. 15, 1939.

Reg. No. 383,988. Registered Dec. 31, 1940. THE HOUSE FOR MEN, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

HIS

FOR SHAVING SOAP, SHAVING CREAM, AND BAR SOAP.
Claims use since Feb. 20, 1939.

Reg. No. 398,201. Registered Oct. 13, 1942. THE SOLVAY PROCESS COMPANY, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation. Republished by registrant, present address Geddes and New York, N. Y., a corporation of New York.

No. 600

FOR PREPARATIONS USED AS CLEANSING AGENTS FOR GENERAL HOUSEHOLD AND INDUSTRIAL CLEANSING PURPOSES.
Claims use since April 1941.

Reg. No. 400,868. Registered Apr. 6, 1943. BEACON CHEMICAL CORPORATION, Philadelphia, Pa. Republished by Hood Chemical Co., Inc., Pittsburgh, Pa., a corporation of New York.

ZERO

FOR CLEANSER FOR WOOD, METALS, GLASS, NATURAL AND ARTIFICIAL LEATHERS, FABRICS MADE FROM NATURAL AND ARTIFICIAL FIBERS, PORCELAIN, STONE, PAINTED SURFACES, AND LINOLEUM.
Claims use since Oct. 17, 1942.

Reg. No. 405,065. Registered Jan. 4, 1944. THE SOLVAY PROCESS COMPANY, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York. Republished by registrant.

No. 800

FOR CLEANING COMPOUND FOR CLEANING DAIRY UTENSILS, FLOORS, LINOLEUM, WOODWORK, PLASTER, TILE, PAINTED SURFACES, MARBLE, ENAMEL, WALLS, GLASS, DISHES, METAL ARTICLES, VEHICLE BODIES, AND FOR OTHER GENERAL CLEANSING PURPOSES.
Claims use since July 28, 1942.

Reg. No. 405,795. Registered Feb. 22, 1944. THE SOLVAY PROCESS COMPANY, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York. Republished by registrant.

SOLVAY

ANCHOR ALKALI

The word "Alkali" per se is disclaimed apart from the mark as shown.
FOR MODIFIED SODA ASH CLEANSER CONTAINING CAUSTIC SODA, PARTICULARLY SUITABLE FOR USE IN EQUIPMENT FOR WASHING BOTTLES SUCH AS MILK BOTTLES.
Claims use since May 13, 1937.

Reg. No. 406,257. Registered Mar. 21, 1944. THE BARBASOL COMPANY, Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

Barbasol

Barbasol

The representation of the carton and the geographical term "Indianapolis, U. S. A." are disclaimed apart from the mark as shown.
FOR PASTELIKE PREPARATION FOR SHAVING, WITH INCIDENTAL SKIN-HEALING PROPERTIES.
Claims use since Mar. 26, 1942.

Reg. No. 412,227. Registered Feb. 27, 1945. CORA MARTIN D'ARCY, Indianapolis, Ind. Republished by registrant.

D'Arcy Ducklettes

The word "D'Arcy" is disclaimed apart from the mark as shown.
FOR BABY SOAP, THE BARS OF WHICH ARE SHAPED LIKE LITTLE DUCKS OR DUCKLINGS.
Claims use since December 1941.

Reg. No. 419,765. Registered Mar. 5, 1946. THE SOLVAY PROCESS COMPANY, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York. Republished by registrant.

NYTRON

FOR SYNTHETIC ORGANIC DETERGENT—NAMELY, COMPLEX ORGANIC SODIUM SULFONATES—FOR USE IN CLEANING FIBRES AND FABRICS, FOR USE GENERALLY AS CLEANERS AND FOR INCORPORATION IN SOAP PREPARATIONS.
Claims use since Apr. 3, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 30,327. Registered July 6, 1897. THE NATIONAL STARCH MANUFACTURING COMPANY, Covington, Ky., and New York, N. Y. Republished by Corn Products Refining Company, New York, N. Y., a corporation of New Jersey.

DURYEAS'

FOR CORN-STARCH, CORN-FLOUR, AND STARCH FOR LAUNDRY PURPOSES.
Claims use since 1856.

Reg. No. 44,421. Registered July 4, 1905. DIOS CHEMICAL COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

NEUROSINE

FOR ANTISPASMODIC, NERVINE, ANODYNE, AND HYPNOTIC.
Claims use since on or about February 1891.

Reg. No. 115,730. Registered Mar. 6, 1917. BURRELL-MILLER, Indianapolis, Ind. Republished by Burrell-Dugger Company, Indianapolis, Ind., a corporation of Indiana.

AVICOL

FOR POULTRY REMEDY.
Claims use since Apr. 1, 1915.

Reg. No. 126,647. Registered Sept. 30, 1919. BURRELL-DUGGER CO., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

TALCIMIZED

FOR INSECTICIDE OR PREPARATION TO KILL LICE.
Claims use since Mar. 15, 1919.

Reg. No. 127,002. Registered Oct. 21, 1919. BURRELL-DUGGER CO., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

DON SUNG

The Chinese characters and the words "Don Sung" are disclaimed apart from the mark as shown.
FOR POULTRY TONIC TABLETS.
Claims use since August 1917.

Reg. No. 260,475. Registered Aug. 27, 1929. AUGUSTUS J. AFFLECK, Sacramento, Calif. Republished by registrant.

Phenadine

FOR HEADACHE TABLETS.
Claims use since 1923.

Reg. No. 266,527. Registered Jan. 28, 1930. BURRELL-DUGGER COMPANY, Indianapolis, Ind., a corporation of Ind. Republished by registrant.

Group-Over

FOR PHARMACEUTICAL PREPARATION USED AS A SOOTHING ANTISEPTIC APPLICATION FOR THE MUCOUS MEMBRANES OF THE MOUTH AND NOSTRILS AND FOR THE TREATMENT OF COLDS IN POULTRY.
Claims use since Sept. 13, 1929.

Reg. No. 271,635. Registered June 17, 1930. OWENS & MINOR DRUG CO., INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

SANATIVE WASH

FOR MEDICINAL PREPARATION FOR THE RELIEF OF ITCH, SCABIES, SCRATCHES, CAMP ITCH, AND THE SEVEN YEARS' ITCH.
Claims use since 1885.

Reg. No. 271,851. Registered June 17, 1930. CRESCENT CHEMICAL CORPORATION, Philadelphia, Pa. Republished by Hood Chemical Co., Inc., Pittsburgh, Pa., a corporation of New York.

RUSTEX

FOR LAUNDRY SOURS.
Claims use since on or about Dec. 10, 1928.

Reg. No. 273,491. Registered Aug. 5, 1930. HELWIG & LEITCH CORPORATION, Baltimore, Md. Republished by Helwig & Leitch, Baltimore, Md., a corporation of Maryland.

MAJESTIC

FOR TURPENTINE FOR MEDICINAL PURPOSES, BLUING, PEROXIDE, AMMONIA, CASTOR OIL, ASPIRIN, TINCTURE OF IODINE, AND EPSOM SALTS.
Claims use since 1880.

Reg. No. 285,031. Registered July 14, 1931. JOHN H. BRECK, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

BRECK'S HAIR TONIC

The words "Hair Tonic" are disclaimed apart from the mark as shown.
FOR PREPARATIONS FOR THE TREATMENT OF THE HAIR AND SCALP.
Claims use since Feb. 4, 1931.

Reg. No. 290,008. Registered Dec. 22, 1931. IMPERIAL TYPE METAL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Imperial

FOR COMPOUND USED AS A FLUX FOR REMOVING DROSS FROM THE METAL.
Claims use since Jan. 1, 1931.

Reg. No. 290,722. Registered Jan. 12, 1932. IMPERIAL TYPE METAL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

VITAFLUX

FOR COMPOUND USED AS A FLUX FOR REMOVING DROSS FROM TYPE METAL.
Claims use since Jan. 1, 1931.

Reg. No. 297,197. Registered Sept. 6, 1932. GEORGE W. BEEMAN, Detroit, Mich. Republished by Beauty Counselors, Inc., Grosse Pointe, Mich., a corporation of Michigan.



FOR FACE CREAMS, FACE POWDERS, AND HAND, FACE, AND SKIN LOTIONS.
Claims use since Mar. 23, 1931.

Reg. No. 311,562. Registered Mar. 27, 1934. MARTIN C. SCHWAB, Chicago, Ill. Republished by First National Bank of Chicago, Chicago, Ill., a national banking association, executor and trustee under the will of Martin C. Schwab, deceased.



BEAUTYGLO

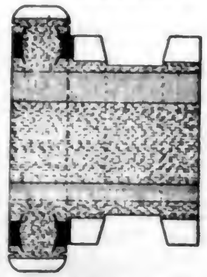
The words "Hair Beauty Depends Upon Hair Health" are disclaimed apart from the mark.
FOR SHAMPOO.
Claims use since Nov. 2, 1933.

Reg. No. 313,649. Registered June 5, 1934. JOUBERT CIE, INC., New York, N. Y., assignor to Blue Waltz, Inc. Republished by Irresistible, Inc., New York, N. Y., a corporation of New Jersey.

IRRESISTIBLE

The outline of the label is disclaimed apart from the mark as shown.
FOR PERFUMES.
Claims use since June 24, 1932.

Reg. No. 331,624. Registered Jan. 14, 1936. POLK MILLER PRODUCTS CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.



The drawing is lined for the colors red, yellow, and black. The representation of the carton is disclaimed.
FOR LINIMENT FOR TREATING DOGS, HORSES, AND FOR HUMAN USE FOR SPRAINS, STRAINS, SORE MUSCLES, AND FOR TREATING COUGH AND FEVERS; AND ALL THE OTHER ITEMS NAMED IN THE ORIGINAL REGISTRATION.
Claims use since April 1935.

Reg. No. 333,919. Registered Apr. 14, 1936. THE BARBASOL COMPANY, Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

Barbasol

FOR TOILET POWDER.
Claims use since May 1, 1924.

Reg. No. 335,556. Registered June 9, 1936. CLEAR-AGAIN, INC., Chicago, Ill. Republished by Clear-Again Products, Inc., Chicago, Ill., a corporation of Illinois.



FOR TABLET FOR THE RELIEF OF HEAD COLDS.
Claims use since Dec. 14, 1935.

Reg. No. 336,936. Registered July 21, 1936. MARTIN C. SCHWAB, Chicago, Ill. Republished by The First National Bank of Chicago, Chicago, Ill., a national banking association, executor and trustee under the will of Martin C. Schwab, deceased.

BEAUTYGLO

FOR SHAMPOO, TALCUM POWDER, FACE POWDER, TOOTH POWDER, TOOTH PASTE, FACE CREAM, HAIR TONIC, DANDRUFF SOLUTION, GENERAL MEDICINAL TONIC, WITCH HAZEL, SALVE, ECZEMA OINTMENT, RECTAL SUPPOSITORY, FEMALE SUPPOSITORY, DYSPEPSIA TABLETS, RHEUMATIC TABLETS, COUGH SYRUP, PILE OINTMENT, WORM WAFERS, LAXATIVES, NERVE PILLS, KIDNEY PILLS, AND PERFUME EXTRACTS.
Claims use since Aug. 1, 1914.

Reg. No. 344,545. Registered Mar. 30, 1937. MULFORD COLLOID LABORATORIES, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Mangacol

FOR SOLUTION OF MANGANESE IN COLLOIDAL FORM, FOR USE IN FURUNCULOSIS SEBORRHOEIC, ECZEMA, FOLLOWING WOUND INFECTION AND IN THE TREATMENT OF BOILS AND ABSCESSES, AS WELL AS A PREPARATION FOR USE IN POISONING BY SULPHUR COMPOUNDS AND MUSTARD GAS (DICHLORETHYL SULPHIDE).
Claims use since on or before Sept. 1, 1921.

Reg. No. 344,767. Registered Apr. 6, 1937. MULFORD COLLOID LABORATORIES, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

IDOCOL

FOR SOLUTION OF IODINE IN COLLOIDAL FORM, COMPRISING A POWERFUL FUNGICIDE FOR USE IN ACUTE AND CHRONIC AFFECTIONS OF THE EYE, EAR, NOSE AND THROAT, SUPPURATIVE WOUNDS, ABSCESSES, SEPTICEMIA, GONORRHOEAL AND CHRONIC CYSTITIS, SEPTIC CONDITION OF THE MOUTH, RIGGS' DISEASE, TONSILLITUS, QUINSIES, LEUCORRHEA, GONORRHOEA, PROSTATIC GLEET, AND AS A PROPHYLACTIC AND CURATIVE IN INFLUENZA AND CATARRHAL OR PURULENT CONDITIONS OF THE MUCUOUS MEMBRANES.
Claims use since on or before Sept. 1, 1921.

Reg. No. 361,931. Registered Nov. 8, 1938. THE SHALER COMPANY, Waupun, Wis., a corporation of Delaware. Republished by registrant.

KAR-B-OUT

FOR MOTOR GUM SOLVENT.
Claims use since Apr. 1, 1937.

Reg. No. 371,288. Registered Sept. 19, 1939. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DEHYDROL

FOR OILS USED IN THE MANUFACTURE OF PAINTS, VARNISH, LACQUERS, PRINTING INKS, LINOLEUM AND SYNTHETIC RESINS AND HAVING THEIR INDUSTRIAL USES.
Claims use since Feb. 8, 1939.

Reg. No. 374,854. Registered Jan. 30, 1940. THE HOUSE FOR MEN, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

HIS

FOR AFTER SHAVING LOTION, COLOGNE, HAIR TONIC, FACE LOTION, HAND LOTION, HAND STAIN REMOVER, TOOTH PASTE, HAIR CONTROL PASTE, AND TALCUM POWDER.
Claims use since Feb. 20, 1939.

Reg. No. 376,877. Registered Apr. 9, 1940. INLAND LABORATORIES, INCORPORATED, Indianapolis, Ind. Republished by The Barbasol Company, Indianapolis, Ind., a corporation of Delaware.

Charmaine

FOR PERFUME.
Claims use since Oct. 27, 1939.

Reg. No. 379,366. Registered July 9, 1940. BEACON CHEMICAL CORPORATION, Philadelphia, Pa. Republished by Hood Chemical Co., Inc., Pittsburgh, Pa., a corporation of New York.

Aunt Phoebe's

FOR AMMONIA FOR HOUSEHOLD USE AND BLUEING.
Claims use since Feb. 8, 1940.

Reg. No. 383,068. Registered Nov. 19, 1940. JACQUILINE COCHRAN, Roselle, N. J., and New York, N. Y. Republished by Jacqueline Cochran, Roselle, N. J., assignor to Jacqueline Cochran, Inc., Newark, N. J., a corporation of Delaware.

CAPTAIN'S CHOICE

FOR COSMETICS AND BEAUTY PREPARATIONS—NAMELY, LIPSTICKS, CREAM ROUGE, AND ROUGE COMPACTS.
Claims use since June 12, 1940.

Reg. No. 384,188. Registered Jan. 7, 1941. ANDERSON-STOLZ CORPORATION, Kansas City, Mo. Republished by Anderson-Stolz Pharmaceuticals, Inc., Kansas City, Mo., a corporation of Missouri.

Pomeio

FOR DEODORANT.
Claims use since Jan. 15, 1940.

Reg. No. 384,245. Registered Jan. 7, 1941. JACQUELINE COCHRAN, New York, N. Y., and Roselle, N. J. Republished by Jacqueline Cochran, Roselle, N. J., assignor to Jacqueline Cochran, Inc., Newark, N. J., a corporation of Delaware.

CHROMABLEND

FOR COSMETICS AND BEAUTY PREPARATIONS—NAMELY, FOUNDATION CREAM, CLEANSING CREAM, NIGHT CREAM, THROAT CREAM, HAND CREAM, EYE CREAM, EYE SHADOW, SKIN LOTION, HAND LOTION, SUNTAN LOTION, FOUNDATION LOTION, BATH BOUQUET, LIPSTICKS, CREAM ROUGE, ROUGE COMPACTS, FACE POWDER, DUSTING POWDER, AND FACIAL OIL.
Claims use since Aug. 21, 1940.

Reg. No. 395,668. Registered June 2, 1942. PRICE FLAVORING EXTRACT CO., Chicago, Ill. Republished by Price Flavoring Extract Company, Chicago, Ill., a corporation of Illinois.



RINCENE

FOR FOOD COLORS.
Claims use since Nov. 26, 1941.

Reg. No. 395,869. Registered June 16, 1942. JOHN H. BRECK, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

RINCENE

FOR LIQUID MATERIAL FOR CLEANING THE HAIR, AFTER SHAMPOOING.
Claims use since Nov. 1, 1941.

Reg. No. 397,965. Registered Sept. 29, 1942. THE BARBASOL COMPANY, Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

BUFF

FR DEODORANT CREAM.
Claims use since Oct. 17, 1941.

Reg. No. 403,828. Registered Oct. 19, 1943. ALEX KERR, BRO. & CO., INC., Philadelphia, Pa. Republished by Kerr Salt Company, Philadelphia, Pa., a corporation of Delaware.

KERROCK

FOR SALT FOR INDUSTRIAL PURPOSES.
Claims use since on or about Apr. 27, 1943.

Reg. No. 418,261. Registered Dec. 11, 1945. CRESCENT CHEMICAL CORPORATION, Philadelphia, Pa. Republished by Hood Chemical Co., Inc., Pittsburgh, Pa., a corporation of New York.

Germitex

FOR LAUNDRY SOUR.
Claims use since May 20, 1940.

Reg. No. 418,564. Registered Jan. 1, 1946. THE SOLVAY PROCESS COMPANY, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York. Republished by registrant.

NYTRON

FOR SYNTHETIC ORGANIC MATERIALS FOR USE AS DYEING AIDS, AND FOR GENERAL APPLICATION AS WETTING, EMULSIFYING, DISPERSING AND PENETRATING AGENTS.
Claims use since Apr. 3, 1945.

Reg. No. 431,875. Registered Aug. 12, 1947. JOHN W. MURPHY, doing business as Murphy Laboratories, Upper Darby, Pa., assignor to Murphy Laboratories Inc. Republished by Murphy Laboratories, Inc., Clifton Heights, Pa., a corporation of Pennsylvania.



FOR SHAMPOO.
Claims use since April 1944.

Reg. No. 433,814. Registered Oct. 28, 1947. KELCO COMPANY, San Diego, Calif., a corporation of Delaware. Republished by registrant.

KELCOSOL

FOR AN ALGIN PRODUCT FOR USE AS A HYDROPHILIC COLLOID POSSESSING STABILIZING, BODYING, FILM-FORMING, SUSPENDING, EMULSIFYING, GEL-FORMING AND WATER HOLDING PROPERTIES IN COSMETIC PREPARATIONS SUCH AS CREAMS AND LOTIONS; PHARMACEUTICALS SUCH AS OINTMENTS, JELLIES, SUSPENSIONS, DENTIFRICES, PILLS AND EMULSIONS; TEXTILE SIZES AND PRINT PASTES; PAPER COATINGS; FINISHES FOR LEATHER; CERAMIC BODIES; IMPRESSION MATERIALS; CREAMING LATEX AND IN RUBBER COMPOSITIONS; ADHESIVES AND BINDERS; POLISHES; SEPARATING AND ANTISTICK COMPOUNDS; INSECTICIDES AND IN OTHER INDUSTRIAL USES.
Claims use since about Dec. 19, 1946.

CLASS 7

CORDAGE

Reg. No. 257,061. Registered May 28, 1929. FRANK W. WINNE & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

A. A. A. DUTCH BINDER TWINE.

The words "Dutch Binder Twine" are disclaimed apart from the mark as shown.
FOR BINDER TWINE.
Claims use since April 1927.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 257,690. Registered June 18, 1929. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR CIGARETTE HUMIDORS AND ASH TRAYS.
Claims use since Aug. 21, 1928.

Reg. No. 416,079. Registered Aug. 28, 1945. MORRIS HOFFMAN, New York, N. Y. Republished by registrant.

TUX

FOR MEN'S AND LADIES' JEWELRY (NOT INCLUDING WATCHES), MADE OF SEMI-PRECIOUS METALS AND PRECIOUS METALS—NAMELY, RINGS, TIE PINS, COLLAR PINS AND BUTTONS, TIE CLASPS, TIE HOLDERS, CUFF LINKS, WATCH AND KEY CHAINS, BELT BUCKLES, WATCH STRAPS, METAL TRIMMED WALLETS, BRACELETS; RELIGIOUS JEWELRY—NAMELY, ROSARIES, CRUCIFIXES, ICONS, AND STATUETTES; IDENTIFICATION TAGS, NECK CHAINS, MILITARY INSIGNIA CIGARETTE CASES, LIGHTERS AND HOLDERS, BROOCH PINS AND CHAINS, CHARMS, LOCKETS, ANKLET CHAINS, NECKLACES, HAIR PINS AND HAIR ORNAMENTS, COMPACTS, EARRINGS, LAPEL AND DRESS PINS, AND DRESS CLIPS.
Claims use since January 1941.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 108,734. Registered Feb. 22, 1916. THE ARCO COMPANY, Cleveland, Ohio. Republished by The Arco Company (1934), Cleveland, Ohio, a corporation of Ohio.

DUM DUM

FOR PLASTIC COMPOUND FOR WATERPROOFING SURFACES.
Claims use since Aug. 25, 1915.

Reg. No. 231,409. Registered Aug. 16, 1927. THE FURMANITE CORPORATION, Newport News, Va. Republished by The Furmanite Company, Norfolk, Va., a firm.

FURMANITE

FOR PLASTIC LEAK-SEALING COMPOUND.
Claims use since Nov. 24, 1925.

Reg. No. 257,662. Registered June 18, 1929. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR SHEET-METAL ELBOWS FOR EAVES-TROUGH LEADERS.
Claims use since Oct. 1, 1928.

Reg. No. 261,810. Registered Sept. 24, 1929. VOLUNTEER PORTLAND CEMENT COMPANY, Wilmington, Del., and Knoxville, Tenn., a corporation of Delaware. Republished by registrant, present address Knoxville, Tenn.

VOLUNTEER

FOR PORTLAND CEMENT.
Claims use since on or about Mar. 13, 1929.

Reg. No. 261,811. Registered Sept. 24, 1929. VOLUNTEER PORTLAND CEMENT COMPANY, Wilmington, Del., and Knoxville, Tenn., a corporation of Delaware. Republished by registrant, present address Knoxville, Tenn.

VOLUNTEER

FOR PORTLAND CEMENT.
Claims use since on or about Mar. 13, 1929.

Reg. No. 277,117. Registered Nov. 4, 1930. HIEMA KUHLS, Executrix of the estate of Herman B. F. Kuhls, doing business as H. B. Fred Kuhls, Brooklyn, N. Y. Republished by registrant.

ELASTIC

FOR COMPOSITION FOR GLAZING, CAULKING, POINTING, AND FILLING IN SEAMS IN ANY KIND OF CONSTRUCTION, WHETHER OF WOOD, METAL, OR OTHER MATERIAL.
Claims use since about January 1890.

Reg. No. 333,800. Registered Apr. 7, 1936. THE BIRD-ARCHER COMPANY, New York, N. Y. Republished by The Bird-Archer Company, New York, N. Y., a corporation of New York.

BACAST

FOR CEMENT USED FOR BOILERS, THE FIRE BOXES OF FURNACES, AND ANALOGOUS USES.
Claims use since Nov. 9, 1931.

Reg. No. 373,918. Registered Dec. 26, 1939. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

STREAMLITE

FOR THERMAL INSULATION BLANKET AND OTHER THERMAL INSULATION MATERIALS.
Claims use since July 7, 1939.

Reg. No. 381,986. Registered Oct. 15, 1940. ESTATE OF H. B. FRED KUHLS, Brooklyn, N. Y. Republished by registrant.

BEDLAST

FOR BEDDING COMPOSITION USED FOR BEDDING AND WATERPROOFING OF MOULDINGS, DECK HARDWARE, FOOT RAILS, DECK LIGHTS, DOUBLE PLANKING, AND FOR BEDDING OF ALL SCREW FASTENED JOINTS ETC., IN ALL TYPES OF CONSTRUCTION; ALSO USED FOR THE BEDDING AND WATERPROOFING OF CHINES IN ALL TYPES OF BOAT CONSTRUCTION.
Claims use since Mar. 1, 1940.

Reg. No. 410,597. Registered Dec. 5, 1944. PLUSWOOD INCORPORATED, Oshkosh, Wis., a corporation of Wisconsin. Republished by registrant.

PLUSWOOD
'A Wood Alloy'

The word "Wood" is disclaimed apart from the mark as shown.
FOR HIGH DENSITY RESIN-IMPREGNATED PLYWOOD.
Claims use since Mar. 30, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 228,603. Registered June 7, 1927. METAL TEXTILE CORPORATION, West Orange, N. J. Republished by Metal Textile Corporation, West Orange, N. J., a corporation of Delaware.

METEX

FOR KNITTED METALLIC FABRICS.
Claims use since about Feb. 8, 1926.

Reg. No. 256,346. Registered May 14, 1929. AMERICAN CHAIN COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Republished by American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York.

ACCO

FOR BASE METAL CHAIN AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION, EXCEPT, TIRE-REPAIR CHAINS, BUMPER BARS, DEVICES FOR ATTACHING BUMPER BARS TO MOTOR CARS, CHAINS ADAPTED TO BE APPLIED TO HORSES' HOOFS.
Claims use since on or about Jan. 15, 1921.

Reg. No. 257,783. Registered June 18, 1929. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR METALLIC CAPS AND SUSPENSION RINGS FOR WHISK BROOMS; FOR BRASS, COPPER, AND NONFERROUS ALLOY PIPE AND TUBING; AND SCREWS FOR ATTACHING SAW HANDLES AND BLADES TOGETHER, AND FORGED BRASS PARTS OF RADIATOR VALVES.
Claims use since Aug. 17, 1928.

Reg. No. 280,870. Registered Mar. 3, 1931. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR CLOSET SCREWS FOR TOILET BOWLS, SINK PLUGS, PLUMBING TRAPS, SUPPLY PIPES, BASIN COCKS, RADIATOR AIR VALVES, WASTES AND OVERFLOWS, FAUCETS, ELBOWS, TEES, AND REDUCERS, ALL MADE OF METAL.
Claims use since June 13, 1928.

Reg. No. 319,456. Registered Nov. 27, 1934. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN HUR

FOR BASE METAL WASH BASINS, DISH PANS, COMBINETS, AND STOCK POTS.
Claims use since on or about June 1, 1933.

Reg. No. 326,326. Registered July 23, 1935. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN HUR

FOR ENAMEL TEA KETTLES, ENAMEL PRESERVING KETTLES, ENAMEL DISH PANS, ENAMEL WASH BASINS, ENAMEL RICE BOILERS, ENAMEL COMBINETS, ENAMEL COFFEE POTS AND ENAMEL PERCOLATORS.
Claims use since on or about June 1, 1933.

Reg. No. 340,692. Registered Nov. 17, 1936. NORTON LASIER COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The drawing is lined for the color silver. The representation of the spring forms no part of the trade-mark.
FOR DOOR CHECK AND DOOR CLOSER COIL SPRINGS.
Claims use since Feb. 4, 1936.

Reg. No. 354,803. Registered Feb. 22, 1938. CHISHOLM-RYDER CO., INC., Niagara Falls, N. Y., a corporation of New York. Republished by registrant.

PREMAX

FOR HOUSE NUMBERS AND LETTERS.
Claims use since Apr. 1, 1933.

Reg. No. 405,273. Registered Jan. 18, 1944. THE BLAKE & JOHNSON COMPANY, Waterbury, Conn., a corporation of Connecticut. Republished by registrant, present address Waterville, Conn.

TWINfast

The suffix "Fast" is disclaimed apart from the mark as shown. The drawing is lined to indicate the color orange.
FOR WOOD SCREWS AND SHEET METAL SCREWS.
Claims use since June 10, 1943.

Reg. No. 424,371. Registered Oct. 1, 1946. HANOVER WIRE CLOTH COMPANY, Hanover, Pa. Republished by Continental-United Industries Co., Inc., New York, N. Y., a corporation of Delaware.



The word "Brand" is disclaimed apart from the mark as shown.
FOR WIRE CLOTH.
Claims use since 1912.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 114,767. Registered Jan. 2, 1917. IMPERIAL TYPE METAL CO., Philadelphia, Pa. Republished by Imperial Type Metal Company, Philadelphia, Pa., a corporation of Pennsylvania.



The words "Best by Acid Test" are disclaimed apart from the mark as shown.
FOR TYPE-METAL.
Claims use since May 15, 1916.

Reg. No. 238,319. Registered Feb. 7, 1928. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Republished by Firth Sterling Steel & Carbide Corp., McKeesport, Pa., a corporation of Pennsylvania.



FOR STEEL BARS OF DIFFERENT SHAPES AND SIZES OR FORGINGS, BLOCKS, DISKS, AND PIECES OF STEEL.
Claims use since Aug. 6, 1927.

Reg. No. 238,338. Registered Feb. 7, 1928. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Republished by Firth Sterling Steel & Carbide Corp., McKeesport, Pa., a corporation of Pennsylvania.

BLUE CHIP

FOR STEEL BARS OF ALL SHAPES AND SIZES, BLOCKS, STEEL DISKS, FORGINGS, SHORT PIECES OF TOOL STEEL ADAPTED TO BE MADE UP INTO CUTTING BITS AND KNOWN TO THE TRADE AS TOOL BITS, PIECES OF STEEL, AND ON STEEL ALLOYS IN THE FOREGOING SHAPES OF THE TYPE COMMONLY KNOWN AS HIGH-SPEED STEELS.
Claims use since September 1901.

Reg. No. 257,679. Registered June 18, 1929. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR BRASS, COPPER, AND NONFERROUS ALLOY SHEETS, RODS, AND PLAIN WIRE; WASHBOARD BRASS SHEET METAL; AND SILVER SOLDER OF HIGH SILVER CONTENT, SPECIALLY SUITED FOR THE MANUFACTURE AND REPAIR OF DENTAL AND SURGICAL INSTRUMENTS.
Claims use since Aug. 18, 1928.

Reg. No. 262,962. Registered Oct. 29, 1929. DUQUESNE STEEL FOUNDRY COMPANY, Pittsburgh, Pa. Republished by Continental Foundry & Machine Company, East Chicago, Ind., a corporation of Delaware.

TEMPALLOY

FOR IRON AND STEEL CASTINGS.
Claims use since Dec. 20, 1927.

Reg. No. 299,936. Registered Jan. 3, 1933. IMPERIAL TYPE METAL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

VITALLOY

FOR TYPE METAL ALLOYS.
Claims use since Aug. 20, 1932.

Reg. No. 316,538. Registered Aug. 28, 1934. THE GENERAL METALS POWDER COMPANY, Akron, Ohio, a corporation of Ohio. Republished by registrant.

GEMPCO

FOR POWDERED OR FINELY DIVIDED METALS, PARTICULARLY POWDERED COPPER MIXED WITH TIN AND LEAD AND A CERTAIN PERCENTAGE OF NON-METALLIC MATERIAL SUCH AS GRAPHITE, AND FORGINGS AND CASTINGS MADE THEREFROM.
Claims use since Jan. 5, 1934.

Reg. No. 433,797. Registered Oct. 28, 1947. THE AMERICAN METAL COMPANY (LIMITED), New York, N. Y., a corporation of New York. Republished by registrant.

DRW

FOR METAL PRODUCTS—NAMELY, WIRE BARS, BARS, INGOT BARS, INGOTS AND CAKES OF GOLD, SILVER AND COPPER AND SOLDER.
Claims use since about 1904.

CLASS 15

OILS AND GREASES

Reg. No. 106,793. Registered Oct. 26, 1915. NEW YORK LUBRICATING OIL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

NYLO

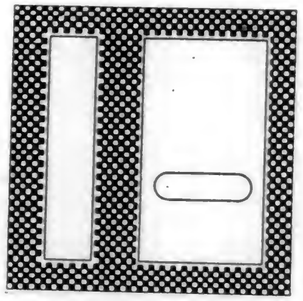
FOR LUBRICATING GREASES AND LUBRICATING OILS FOR MACHINERY, ENGINES, MOTORS, AND DYNAMOS.
Claims use since Sept. 18, 1895.

Reg. No. 265,920. Registered Jan. 7, 1930. STANDARD OIL COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.



The words "Standard Gasoline Ky" are disclaimed apart from the mark as shown. The drawing is lined for red and blue.
FOR GASOLINE.
Claims use since May 7, 1929.

Reg. No. 271,991. Registered June 24, 1930. PANHARD OIL CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR LUBRICATING OILS AND GREASES.
Claims use since Nov. 15, 1928.

Reg. No. 328,951. Registered Oct. 8, 1935. PANHARD OIL CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

PANHARD

FOR LUBRICATING OILS AND GREASES.
Claims use since 1904.

Reg. No. 340,285. Registered Nov. 3, 1936. THE SHALER COMPANY, Waupun, Wis., a corporation of Delaware. Republished by registrant.

RISLONE

FOR LUBRICATING OIL, MOTOR GUM SOLVENT AND COMPOUNDING MATERIAL FOR LUBRICATING OILS AND GREASES.
Claims use since June 1930.

Reg. No. 351,120. Registered Oct. 19, 1937. NEW YORK LUBRICATING OIL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MEDALLION

FOR MOTOR LUBRICATING OILS.
Claims use since Apr. 16, 1937.

Reg. No. 382,004. Registered Oct. 15, 1940. CITIZENS OIL COMPANY, INC., Tallahassee, Fla., a corporation of Florida. Republished by registrant.

CITIZENS

FOR GASOLINE AND LUBRICATING OILS.
Claims use since Jan. 1, 1938.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 83,069. Registered Aug. 15, 1911. HOLZAPFELS LIMITED, Newcastle-Upon-Tyne, England. Republished by International Paint Company, Inc., New York, N. Y., a corporation of New York.



FOR ANTI-CORROSIVE AND ANTI-FOULING PAINT, MIXED PAINT, AND ENAMELS.
Claims use since May 1889.

Reg. No. 96,559. Registered Apr. 21, 1914. THE WILLIAM CAIL BITMO COMPANY, New York, N. Y. Republished by International Paint Company, Inc., New York, N. Y., a corporation of New York.

"BITUCOAT"

FOR CARBON-PAINT.
Claims use since on or about July 18, 1910.

Reg. No. 117,503. Registered July 17, 1917. THE ARCO COMPANY, Cleveland, Ohio. Republished by The Arco Company (1934), Cleveland, Ohio, a corporation of Ohio.

DUM DUM

FOR READY-MIXED PAINTS, VARNISHES, AND FILLERS.
Claims use since Aug. 25, 1916.

Reg. No. 202,330. Registered Aug. 18, 1925. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.

Nitro-VALSPAR

FOR PRIMERS, SURFACERS OR PAINT UNDERCOATINGS, PAINT ENAMELS, SOLVENTS, VARNISHES, DRY, READY-MIXED AND PASTE PAINTS, AND STAINS, WHICH MATERIALS CONSIST MORE OR LESS OF PYROXYLIN, OR OTHER PAINT VEHICLES.
Claims use since Feb. 28, 1925.

Reg. No. 215,988. Registered Aug. 3, 1926. C. J. OSBORN CO., New York, N. Y., a corporation of New York. Republished by registrant.

SUPERLITH

FOR LITHOPONE PRODUCT IN POWDERED FORM.
Claims use since about Dec. 1, 1925.

Reg. No. 229,122. Registered June 21, 1927. THE ARCO COMPANY, Cleveland, Ohio. Republished by The Arco Company (1934), Cleveland, Ohio, a corporation of Ohio.

ARCOZON

FOR LACQUERS.
Claims use since March 1924.

Reg. No. 258,166. Registered June 25, 1929. THE ARCO COMPANY, Cleveland, Ohio. Republished by The Arco Company (1934), Cleveland, Ohio, a corporation of Ohio.

ARCOVAR

FOR ENAMEL PAINTS AND VARNISHES.
Claims use since Jan. 1, 1929.

Reg. No. 268,449. Registered Mar. 18, 1930. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.

VALENITE

FOR PRIMERS, SURFACERS AND LACQUERS.
Claims use since Sept. 25, 1929.

Reg. No. 310,716. Registered Mar. 6, 1934. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

RUBBER GLOSS

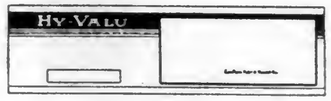
The word "Gloss" is disclaimed apart from the mark as shown.
FOR WATER AND WAX EMULSIONS, KNOWN IN THE TRADE AS LIQUID WAXES, BOTH NEUTRAL AND COLORED, FOR WOOD, CORK, ASPHALT TILE, COMPOSITION, LINOLEUM, RUBBER, AND THE LIKE SURFACES.
Claims use since Aug. 27, 1931.

Reg. No. 311,027. Registered Mar. 13, 1934. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

EXOLVENT

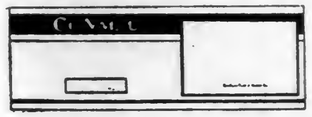
FOR THINNERS FOR PAINTS, VARNISHES, ENAMELS, LACQUERS, STAINS, AND COLORS.
Claims use since Apr. 1, 1933.

Reg. No. 335,601. Registered June 9, 1936. THE CON-FERRO PAINT AND VARNISH COMPANY, St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.



The representation of the label per se is disclaimed.
FOR VARNISH STAIN.
Claims use since Jan. 2, 1936.

Reg. No. 335,794. Registered June 16, 1936. THE CON-FERRO PAINT AND VARNISH COMPANY, St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.



The representation of the label per se is disclaimed.
FOR READY-MIXED PAINTS, PASTE PAINTS, JAPAN DRIERS, AND WALL SEALING PAINTS.
Claims use since Jan. 3, 1936.

Reg. No. 343,863. Registered Mar. 9, 1937. CON-FERRO PAINT & VARNISH COMPANY, St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.



The representation of the label per se is disclaimed apart from the mark as shown. The colors black, yellow, and white, as shown on the drawing, are claimed as features of the mark.
FOR READY-MIXED PAINTS, PAINT ENAMELS, AND VARNISHES.
Claims use since Feb. 26, 1936.

Reg. No. 344,177. Registered Mar. 16, 1937. CON-FERRO PAINT & VARNISH COMPANY, St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.

LUSTEREX

FOR PREPARED PAINT, VARNISH STAIN, PAINT ENAMEL, FLOOR AND PORCH ENAMEL, LINOLEUM VARNISH, AUTO ENAMEL, FENDER ENAMEL.
Claims use since Sept. 9, 1936.

Reg. No. 368,287. Registered June 13, 1939. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

PREPARITE

FOR PREPARATION USED FOR PREPARING GLOSSY, ENAMELED, OR VARNISHED SURFACES FOR REFINISHING BY PAINTING, VARNISHING, ENAMELING, ETC., WHICH CAUSES THE NEW FINISH TO BIND TIGHTLY.
Claims use since Dec. 8, 1938.

Reg. No. 374,697. Registered Jan. 23, 1940. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The words "Africa" and "Europe" are disclaimed apart from the mark.
FOR PAINTS, VARNISHES, LACQUERS, ENAMELS, SYNTHETIC ENAMELS, SURFACE PRIMERS; REDUCERS FOR PAINTS, VARNISH, LACQUER, AND ENAMEL; THINNERS FOR PAINT, VARNISH, LACQUER, AND ENAMEL; POLISHING COMPOUNDS; WAXES.
Claims use since March 1902.

Reg. No. 378,829. Registered June 18, 1940. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TECH-VAR

FOR VARNISHES.
Claims use since Aug. 25, 1939.

Reg. No. 410,632. Registered Dec. 5, 1944. THE ARCO COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

OPTONIC

FOR READY-MIXED PAINTS, LACQUERS, AND PAINT ENAMELS.
Claims use since June 8, 1944.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 88,959. Registered Oct. 29, 1912. SANCHEZ & HAYA COMPANY, Tampa, Fla. Republished by Gradiaz, Annis & Co., Inc., Tampa, Fla., a corporation of Florida.



FOR CIGARS.
Claims use since about 1872.

Reg. No. 187,714. Registered Aug. 12, 1924. SANCHEZ & HAYA COMPANY, Tampa, Fla. Republished by Gradiaz, Annis & Co., Inc., Tampa, Fla., a corporation of Florida.



FOR CIGARS.
Claims use since about 1872.

Reg. No. 265,118. Registered Dec. 17, 1929. ALHAMBRA CIGAR & CIGARETTE MANUFACTURING COMPANY, Manila, P. I., a corporation of the Republic of the Philippines. Republished by registrant.



The words "Fabrica de Tabacos," "Manila," "Ysabela Long Filler," and "Strictly Hand Made" are disclaimed apart from the mark as shown.
FOR CIGARS AND CIGARETTES.
Claims use since 1923.

Reg. No. 299,751. Registered Dec. 20, 1932. ALHAMBRA CIGAR & CIGARETTE MANUFACTURING COMPANY, Manila, P. I., a corporation of the Republic of the Philippines. Republished by registrant.



The lining is for shading only.
FOR CIGARS AND CIGARETTES.
Claims use since June 1, 1932.

Reg. No. 299,752. Registered Dec. 20, 1932. ALHAMBRA CIGAR & CIGARETTE MANUFACTURING COMPANY, Manila, P. I., a corporation of the Republic of the Philippines. Republished by registrant.



The representation of the cigars is disclaimed apart from the mark as shown. The lining is for shading only.
FOR CIGARS AND CIGARETTES.
Claims use since June 1, 1932.

Reg. No. 303,003. Registered May 9, 1933. ALHAMBRA CIGAR & CIGARETTE MANUFACTURING COMPANY, Manila, P. I., a corporation of the Republic of the Philippines. Republished by registrant.



The word "Reno" is disclaimed apart from the mark as shown.
FOR CIGARS AND CIGARETTES.
Claims use since Mar. 25, 1932.

Reg. No. 359,404. Registered Aug. 16, 1938. A. SIEGEL & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

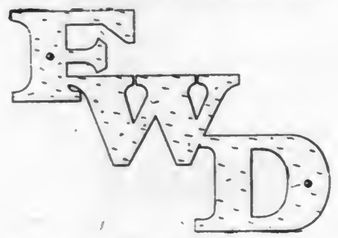
LA MAGNITA

FOR CIGARS.
Claims use since Feb. 10, 1900.

CLASS 19

VEHICLES

Reg. No. 107,444. Registered Nov. 30, 1915. THE FOUR WHEEL DRIVE AUTO CO., Clintonville, Wis., a corporation of Wisconsin. Republished by registrant.



FOR MOTOR-DRIVEN TRUCKS.
Claims use since July 14, 1911.

Reg. No. 269,276. Registered Apr. 1, 1930. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR FILLER CAPS OF AUTOMOBILE RADIATORS.
Claims use since Aug. 17, 1928.

CLASS 20

LINOLEUM AND OILED CLOTH

Reg. No. 423,630. Registered Sept. 3, 1946. ARMSTRONG CORK COMPANY, Manheim Township, Lancaster County, Pa., a corporation of Pennsylvania. Republished by registrant, present address Lancaster, Pa.

ACCOFLOR

FOR HARD SURFACE FLOOR COVERINGS OF THE TYPE INCLUDING A FELT BASE AND A MASTIC WEARING SURFACE.
Claims use since Jan. 25, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 133,953. Registered Aug. 10, 1920. DIAMOND STATE FIBRE COMPANY, Elsmere, Del., and Bridgeport, Pa. Republished by Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware.



FOR ELECTRICAL INSULATION AND INSULATING OBJECTS MADE OF PARCHMENTIZED FIBRE, AS FOLLOWS: SHEETS, RODS, TUBES, FLASHLIGHT TUBES, FUSE TUBES, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since November 1917.

Reg. No. 257,665. Registered June 18, 1929. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR TUBULAR BODY MEMBERS FOR ELECTRIC FLASHLIGHTS, SOCKET CASINGS INCLUDING CAP AND SHELL MEMBERS, AND SLIP CANOPIES FOR ELECTRIC-LIGHTING FIXTURES.
Claims use since Aug. 20, 1928.

Reg. No. 344,374. Registered Mar. 23, 1937. CONSOLIDATED WIRE AND ASSOCIATED CORPORATIONS, Chicago, Ill. Republished by Consolidated Wire and Associated Companies, Chicago, Ill., a partnership.

CONSOLIDATED

FOR ELECTRICAL AND RADIO APPARATUS GENERALLY, BUT PARTICULARLY INCLUDING LINE CORDS AND PLUGS; AND ALL THE OTHER ITEMS NAMED IN THE ORIGINAL REGISTRATION.
Claims use since July 1, 1919.

Reg. No. 356,364. Registered Apr. 26, 1938. CHISHOLM-RYDER CO., INC., Niagara Falls, N. Y., a corporation of New York. Republished by registrant.

PREMAX

FOR RADIO AERIAL EQUIPMENT.
Claims use since Apr. 1, 1933.

Reg. No. 398,435. Registered Oct. 27, 1942. BOONTON MOLDING COMPANY, Boonton, N. J., a corporation of New Jersey. Republished by registrant.

BMCD

FOR MOLDED PLASTIC PARTS FOR ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.
Claims use since 1925.

Reg. No. 420,692. Registered Apr. 30, 1946. PHILLIPS CONTROL CORP., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Phil-trol

FOR SOLENOIDS OF THE ELECTRICALLY ACTUATED TYPE AND SOLENOID VALVES.
Claims use since Jan. 20, 1945.

Reg. No. 431,277. Registered July 15, 1947. DISPLAY LIGHTING, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

GIRAFFE

FOR ELECTRIC SPOTLIGHTS AND BOOMLIGHTS AND PARTS THEREOF.
Claims use since Sept. 25, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 257,674. Registered June 18, 1929. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR POLICE WHISTLES.
Claims use since Aug. 29, 1928.

Reg. No. 354,390. Registered Feb. 8, 1938. CHISHOLM-RYDER CO., INC., Niagara Falls, N. Y., a corporation of New York. Republished by registrant.

PREMAX

FOR FISHING RODS AND REELS.
Claims use since May 1, 1933.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 190,593. Registered Oct. 14, 1924. QUALITY TOOLS CORPORATION, New Wilmington, Pa., a corporation of Pennsylvania. Republished by registrant.

OLD FORGE

FOR TOOLS—NAMELY, PLIERS, WRENCHES, CHISELS, PUNCHES, HAMMERS, AND PNEUMATIC CHISELS.
Claims use since Jan. 4, 1924.

Reg. No. 232,149. Registered Sept. 6, 1927. THE FURMANITE CORPORATION, Newport News, Va. Republished by The Furmanite Company, Norfolk, Va., a firm.

FURMANITE

FOR EQUIPMENT FOR SEALING LEAKS IN METAL CONTAINERS.
Claims use since Mar. 31, 1927.

Reg. No. 265,861. Registered Jan. 7, 1930. E. A. BAUMBACH MFG. CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The expressions "Made in U. S. A.," "Chicago, Ill." "Automatically Oiled," "Die Sets" and the representation of the goods are disclaimed apart from the mark as shown. The drawing is lined for the colors yellow and red.
FOR DIE SETS, DIE SHOES, PUNCH HOLDERS, AND BENCH PLATES.
Claims use since Feb. 1, 1929.

Reg. No. 320,769. Registered Jan. 8, 1935. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN HUR

FOR CUTLERY, MECHANICS' TOOLS, AND FARM TOOLS—NAMELY, AXES, HATCHETS, HAMMERS, MATTOCKS, SAWS, SAW FRAMES, PLANES, DRAWING KNIVES, CHISELS, TROWELS, AUGER BITS, BIT BRACES, SCREW DRIVERS, DRILLS, PUNCHES, PLIERS, PINCERS, WRENCHES, FILES, VISES, TOOL GRINDERS, SHOVELS, SPADES, SCOOPS, HOES, RAKES AND FORKS, MANURE, HAY, AND COAL FORKS, PRUNERS, SCYTHES, LAWN MOWERS, SPRAYERS, POCKET KNIVES, BUTCHER KNIVES, TABLE KNIVES AND FORKS OF BASE METAL, RAZORS AND BLADES, CLIPPERS, SHEARS AND SCISSORS, KITCHEN KNIVES, AND PUTTY KNIVES.
Claims use since on or about July 13, 1928.

Reg. No. 341,796. Registered Dec. 22, 1936. CLUB RAZOR & BLADE MFG. CORP., Newark, N. J., a corporation of New Jersey. Republished by registrant.

Official

FOR RAZOR BLADES.
Claims use since Apr. 2, 1936.

Reg. No. 346,656. Registered June 1, 1937. CLUB RAZOR & BLADE MFG. CORP., Newark, N. J., a corporation of New Jersey. Republished by registrant.

MONA

FOR RAZOR BLADES.
Claims use since Jan. 6, 1937.

Reg. No. 398,016. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.



The words "Union Label" are disclaimed apart from the mark as shown.
FOR AUTOGRAPH PAPER, BILL HEADS, BLANK BOOKS, PENCIL SHARPENERS, BLOTTING PAPER, BLUEPRINT PAPER, BOOK MARKERS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Apr. 30, 1941.

Reg. No. 411,298. Registered Jan. 9, 1945. AMERICAN PAPER TUBE COMPANY, Woonsocket, R. I., a corporation of Rhode Island. Republished by registrant.

plasti-weld

FOR COP-TUBES, QUILLS, BOBBINS, AND SPOOLS USED IN TEXTILE AND SIMILAR APPARATUS.
Claims use since Mar. 15, 1944.

Reg. No. 412,256. Registered Feb. 27, 1945. THE HINES FLASK COMPANY, Lakewood, Ohio, a corporation of Ohio. Republished by registrant, present address Cleveland, Ohio.

POP-OFF

FOR FOUNDRY JACKETS.
Claims use since on or about Mar. 1, 1943.

Reg. No. 420,079. Registered Mar. 26, 1946. ROSENTHAL MANUFACTURING COMPANY, West Allis, Wis. Republished by Rosenthal Corn Husker Company, Milwaukee, Wis., a corporation of Wisconsin.

CORNBINE

FOR CORN HARVESTERS.
Claims use since Nov. 1, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 27,464. Registered Dec. 10, 1895. BUFFALO SCALE CO., Buffalo, N. Y. Republished by Buffalo Scale Company, Inc., Buffalo, N. Y., a corporation of New York.



FOR WEIGHING OR MEASURING SCALES.
Claims use since Aug. 20, 1895.

Reg. No. 259,418. Registered July 30, 1929. CONTINENTAL OPTICAL COMPANY, Indianapolis, Ind. Republished by Continental Optical Company, Inc., Indianapolis, Ind., a corporation of Indiana.

REDE-RITE

FOR OPHTHALMIC LENSES.
Claims use since Feb. 1, 1929.

Reg. No. 406,952. Registered May 9, 1944. THE TORSION BALANCE COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

CHRISTIAN BECKER

FOR BALANCES AND SCALES FOR WEIGHING PURPOSES.
Claims use since as early as Feb. 19, 1895.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 416,079. Registered Aug. 28, 1945. MORRIS HOFFMAN, New York, N. Y. Republished by registrant.

TUX

FOR MEN'S AND LADIES' JEWELRY (NOT INCLUDING WATCHES), MADE OF SEMI-PRECIOUS METALS AND PRECIOUS METALS—NAMELY, RINGS, TIE PINS, COLLAR PINS AND BUTTONS, TIE CLASPS, TIE HOLDERS, CUFF LINKS, WATCH AND KEY CHAINS, BELT BUCKLES, WATCH STRAPS, METAL TRIMMED WALLETS, BRACELETS; RELIGIOUS JEWELRY—NAMELY, ROSARIES, CRUCIFIXES, ICONS, AND STATUETTES; IDENTIFICATION TAGS, NECK CHAINS, MILITARY INSIGNIA, CIGARETTE CASES, LIGHTERS AND HOLDERS, BROOCH PINS AND CHAINS, CHARMS, LOCKETS, ANKLET CHAINS, NECKLACES, HAIR PINS AND HAIR ORNAMENTS, COMPACTS, EARRINGS, LAPEL AND DRESS PINS, AND DRESS CLIPS.
Claims use since January 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 213,649. Registered June 1, 1926. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

CASCADE

FOR BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING.
Claims use since on or about Sept. 1, 1914.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 242,327. Registered May 22, 1928. UNIVERSAL COOLER CORPORATION, Detroit, Mich. Republished by International Detrola Corporation, Detroit, Mich., a corporation of Indiana.

UNIVERSAL COOLER

The word "Cooler" is disclaimed apart from the mark as shown.
FOR MECHANICAL REFRIGERATING UNITS.
Claims use since July 1925.

Reg. No. 257,668. Registered June 18, 1929. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR FILTERS.
Claims use since Aug. 22, 1928.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 159,115. Registered Sept. 19, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

ANCHOR

FOR MATTRESSES.
Claims use since June 22, 1899.

Reg. No. 255,085. Registered Apr. 16, 1929. COLUMBIA STEEL EQUIPMENT COMPANY, Philadelphia, Pa. Republished by Columbia Steel Equipment Company (1945), Philadelphia, Pa., a corporation of Pennsylvania.

APEX

FOR FILING CABINETS.
Claims use since Dec. 12, 1928.

Reg. No. 257,934. Registered June 25, 1929. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

CHARME'

FOR MATTRESSES.
Claims use since Feb. 15, 1929.

Reg. No. 257,935. Registered June 25, 1929. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

Ladyfaire

FOR MATTRESSES.
Claims use since Feb. 15, 1929.

Reg. No. 257,936. Registered June 25, 1929. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

SPLEND'OR

FOR MATTRESSES.
Claims use since Feb. 15, 1929.

Reg. No. 257,938. Registered June 25, 1929. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

WELWORTH

FOR MATTRESSES.
Claims use since Feb. 15, 1929.

Reg. No. 265,358. Registered Dec. 24, 1929. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati Ohio.



FOR MATTRESSES.
Claims use since Aug. 14, 1929.

Reg. No. 298,402. Registered Oct. 25, 1932. THE STEARNS & FOSTER COMPANY, Cincinnati and Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

HOSTESS

FOR MATTRESSES.
Claims use since July 1, 1931.

Reg. No. 298,404. Registered Oct. 25, 1932. THE STEARNS & FOSTER COMPANY, Cincinnati and Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

Insulo
Spring Cushion

The words "Spring Cushion" are disclaimed apart from the mark as shown.
FOR SPRING CUSHION CONSTRUCTION.
Claims use since May 27, 1931.

Reg. No. 300,971. Registered Feb. 14, 1933. SERVICE STATION EQUIPMENT COMPANY, Conshohocken, Pa. Republished by John Wood Manufacturing Company, Inc., New York, N. Y., and Muskegon, Mich., a corporation of Delaware.

STORETTE

FOR CABINETS AND PARTS THEREFOR FOR THE DISPLAY OF MERCHANDISE FOR SALE.
Claims use since Aug. 20, 1932.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 118,820. Registered Oct. 2, 1917. SHEET METAL MANUFACTURING COMPANY, INC., New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

METCO

FOR VENTILATORS, STOVEPIPE, ELBOWS, SHANTY-CAPS, CHIMNEY-CAPS, CHIMNEY-JACKS, AND REGISTER BOXES.
Claims use since Jan. 1, 1917.

Reg. No. 257,782. Registered June 18, 1929. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR ACETYLENE LAMPS FOR MINERS' USE AND METAL REFLECTORS AND PARTS THEREFOR:
Claims use since Aug. 22, 1928.

Reg. No. 326,325. Registered July 23, 1935. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN HUR

FOR COAL RANGES, COAL HEATING STOVES, OIL RANGES, AND WICKS FOR OIL STOVES.
Claims use since on or about Jan. 1, 1920.

Reg. No. 391,219. Registered Oct. 28, 1941. THE SOLVAY PROCESS COMPANY, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

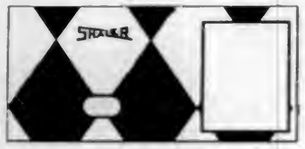
AIR-DRYETTE

The word "Air" per se is disclaimed apart from the mark as shown.
FOR DEHUMIDIFIERS FOR DEHUMIDIFYING AIR BY ABSORPTION OF MOISTURE BY A DELIQUESCENT MATERIAL.
Claims use since Apr. 25, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 290,869. Registered Jan. 19, 1932. THE SHALER COMPANY, Waupun, Wis., a corporation of Delaware. Republished by registrant.



FOR PNEUMATIC VEHICLE TIRES AND PORTABLE TIRE REPAIR KITS.
Claims use since January 1927.

Reg. No. 374,282. Registered Jan. 2, 1940. THE SHALER COMPANY, Waupun, Wis., a corporation of Delaware. Republished by registrant.

STREAMLINER

FOR TIRE TUBE VULCANIZING EQUIPMENT INCLUDING CLAMPS AND PATCH AND FUEL UNITS.
Claims use since July 5, 1939.

Reg. No. 417,543. Registered Oct. 30, 1945. THE GENERAL DETROIT CORP., Detroit, Mich., a corporation of Michigan. Republished by registrant.

Inner Flex

FOR FIRE HOSE.
Claims use since on or about July 1939.

Reg. No. 431,259. Registered July 15, 1947. UNITED STATES RUBBER COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

DIPLOMAT

FOR PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since June 28, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 257,666. Registered June 18, 1929. CHASE BRASS AND COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR WHISTLES USED BY TRAP DRUMMERS.
Claims use since Aug. 29, 1928.

CLASS 37

PAPER AND STATIONERY

Reg. No. 259,959. Registered Aug. 13, 1929. THE MARTIN CANTINE CO., Saugerties, N. Y. Republished by The Martin Cantine Company, Saugerties, N. Y., a corporation of New York.

WATERTONE

FOR DULL-FINISHED PAPER SUITABLE FOR USE WITH WATER-COLOR INKS.
Claims use since July 1928.

Reg. No. 272,182. Registered July 1, 1930. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Republished by Lakeside Central Company, Chicago, Ill., a corporation of Illinois.

Endura

FOR LOOSE-LEAF AND RING BINDERS.
Claims use since Dec. 28, 1929.

Reg. No. 273,010. Registered July 15, 1930. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Republished by Lakeside Central Company, Chicago, Ill., a corporation of Illinois.

Penworthy

FOR WRITING TABLETS, COMPOSITION BOOKS, AND NOTEBOOKS.
Claims use since Oct. 29, 1929.

Reg. No. 274,875. Registered Sept. 9, 1930. GILBERT PAPER COMPANY, Menasha, Wis., and Mittineague, Mass., assignor to Southworth Company. Republished by Gilbert Paper Company, Menasha, Wis., a corporation of Wisconsin.

BARRISTER BOND

The word "Bond" is disclaimed apart from the mark as shown.
FOR BOND PAPER.
Claims use since 1910.

Reg. No. 316,188. Registered Aug. 21, 1934. WHITE & WYCKOFF MFG. COMPANY, Holyoke, Mass. Republished by Lakeside Central Company, Chicago, Ill., a corporation of Illinois.

Duo Typewriter

The word "Typewriter" is disclaimed apart from the mark as shown.
FOR WRITING AND PRINTING PAPER.
Claims use since Dec. 26, 1932.

Reg. No. 324,643. Registered May 28, 1935. WHITE & WYCKOFF MFG. COMPANY, Holyoke, Mass. Republished by Lakeside Central Company, Chicago, Ill., a corporation of Illinois.

PERFECT RITER

The word "Perfect" is disclaimed apart from the mark as shown.
FOR BLANK BOOKS HAVING PERMANENTLY BOUND LEAVES.
Claims use since Aug. 27, 1934.

Reg. No. 346,143. Registered May 18, 1937. WHITE & WYCKOFF MFG. COMPANY, Holyoke, Mass. Republished by Lakeside Central Company, Chicago, Ill., a corporation of Illinois.

STAND-PAT

FOR WRITING TABLETS, COMPOSITION BOOKS, AND NOTE-BOOKS.
Claims use since about Oct. 1, 1936.

Reg. No. 398,016. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.

PRINTING PRESSMEN UNION LABEL AND ASSISTANTS

The words "Union Label" are disclaimed apart from the mark as shown.
FOR AUTOGRAPH PAPER, BILL HEADS, BLANK BOOKS, PENCIL SHARPENERS, BLOTTING PAPER, BLUEPRINT PAPER, BOOK MARKERS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Apr. 30, 1941.

Reg. No. 424,464. Registered Oct. 8, 1946. KEITH PAPER COMPANY, Turners Falls, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMIC

FOR WRITING AND PRINTING PAPER.
Claims use since Aug. 9, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 268,332. Registered Mar. 11, 1930. THE BELL SYNDICATE, INC., New York, N. Y. Republished by Hal Forrest, Los Angeles, Calif.

TAILSPIN TOMMY

FOR STRIPS OF HUMOROUS DRAWINGS REPRESENTING THE SAME CHARACTERS IN DIFFERENT SITUATIONS.
Claims use since Mar. 29, 1928.

Reg. No. 374,038. Registered Dec. 26, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

SMILIN' JACK

FOR SERIES OF CARTOONS.
Claims use since Oct. 1, 1933.

Reg. No. 374,041. Registered Dec. 26, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

SMOKEY STOVER

FOR SERIES OF CARTOONS.
Claims use since Mar. 10, 1935.

Reg. No. 374,042. Registered Dec. 26, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

HERBY

FOR SERIES OF CARTOONS.
Claims use since Oct. 1, 1933.

Reg. No. 374,044. Registered Dec. 26, 1939. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

DICK TRACY

FOR SERIES OF CARTOONS.
Claims use since Oct. 12, 1931.

Reg. No. 384,806. Registered Feb. 4, 1941. A. J. HOLMAN COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR BIBLES AND TESTAMENTS.
Claims use since 1872.

Reg. No. 392,550. Registered Dec. 30, 1941. A. J. HOLMAN COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

GEM

FOR PARTICULAR EDITION OF THE NEW TESTAMENT.
Claims use since Feb. 15, 1918.

Reg. No. 398,017. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.



The words "Union Label" are disclaimed apart from the mark as shown.
FOR ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, CALENDARS, CARTOONS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Apr. 30, 1941.

Reg. No. 400,094. Registered Feb. 16, 1943. A. J. HOLMAN COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Verse Reference

JEWEL

The words "Verse Reference" are disclaimed apart from the mark as shown.
FOR BIBLES.
Claims use since Aug. 20, 1942.

CLASS 39

CLOTHING

Reg. No. 80,613. Registered Jan. 10, 1911. BEDELL PARKER, New York, N. Y. Republished by Delpark, Inc., Newark, N. J., a corporation of New Jersey.

DELPARK

FOR BELTS, NECKTIES, STOCKS, CRAVATS, JABOTS, AND RABATS.
Claims use since July 1, 1908.

Reg. No. 80,614. Registered Jan. 10, 1911. BEDELL PARKER, New York, N. Y. Republished by Delpark, Inc., Newark, N. J., a corporation of New Jersey.

DELPARK

FOR DRESS SHIRTS, NEGLIGEE SHIRTS, VESTS, UNDER SHIRTS, UNION SUITS, PAJAMAS, GLOVES, HOSIERY, COLLARS, SHIRT-WAISTS, AND WOMEN'S DRESS WAISTS.
Claims use since July 1, 1908.

Reg. No. 98,401. Registered July 14, 1914. J. W. LANDENBERGER & CO., Philadelphia, Pa. Republished by J. W. Landenberger & Co., Philadelphia, Pa., a corporation of Pennsylvania.

RANDOLPH

FOR STOCKINGS AND UNDERWEAR.
Claims use since 1885.

Reg. No. 109,367. Registered Apr. 4, 1916. OPPENHEIM, COLLINS & COMPANY, New York, N. Y. Republished by Oppenheim, Collins & Co. Inc., New York, N. Y., a corporation of Delaware.

Roselle

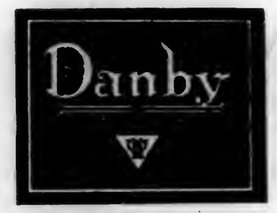
FOR GLOVES
Claims use since Nov. 26, 1915.

Reg. No. 114,905. Registered Jan. 9, 1917. OPPENHEIM, COLLINS & COMPANY, New York, N. Y. Republished by Oppenheim, Collins & Co. Inc., New York, N. Y., a corporation of Delaware.

Roselle

FOR OUTER GARMENTS—NAMELY, WAISTS; UNDERGARMENTS — NAMELY, SHIRTS, DRAWERS, UNION-SUITS, COMBINATIONS, BLOOMERS, TIGHTS, KNICKERBOCKERS, CAMISOLES, UNDERVESTS, BRASSIÈRES, ENVELOP-CHEMISES, STRAIGHT CHEMISES, AND PETTICOATS, MADE WHOLLY OR IN PART OF TEXTILE OR KNITTED MATERIAL OR OF A COMBINATION OF THESE TWO MATERIALS, AND HOSIERY.
Claims use since July 14, 1916.

Reg. No. 196,028. Registered Mar. 10, 1925. WEILL & HARTMANN, New York, N. Y. Republished by Charles Weill, Inc., New York, N. Y., a corporation of New York.



No claim is made to the words "Trade Mark" apart from the mark as shown.
FOR WOMEN'S AND MISSES' COATS, SUITS, DRESSES, AND WAISTS.
Claims use since Oct. 1, 1924.

Reg. No. 202,732. Registered Sept. 1, 1925. SIMPLEX SHOE MANUFACTURING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant

Mr. Flexies

FOR LEATHER SHOES.
Claims use since April 1924.

Reg. No. 202,733. Registered Sept. 1, 1925. SIMPLEX SHOE MANUFACTURING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Flexies

FOR LEATHER SHOES.
Claims use since April 1924.

Reg. No. 210,759. Registered Mar. 23, 1926. JACOB SIEGEL, doing business as Jacob Siegel Company, Philadelphia, Pa. Republished by Jacob Siegel Company, Philadelphia, Pa., a corporation of Pennsylvania.

Rexmode

FOR MEN'S TOPCOATS AND OVERCOATS.
Claims use since on or about Oct. 17, 1925.

Reg. No. 230,081. Registered July 12, 1927. G. M. POIX, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

A. P.

FOR BRASSIÈRES.
Claims use since September 1905.

Reg. No. 230,967. Registered Aug. 9, 1927. HEWES & POTTER, Boston, Mass., assignor to Hewes & Potter, Incorporated, Boston, Mass. Republished by Hewes & Potter, Inc., Boston, Mass., a corporation of Massachusetts.

VESTOFF

FOR SUSPENDERS.
Claims use since Jan. 1, 1907.

Reg. No. 263,891. Registered Nov. 12, 1929. SOMMER & KAUFMANN, INC., San Francisco, Calif. Republished by Sommer & Kaufmann, San Francisco, Calif., a corporation of California.



FOR FOOTWEAR—NAMELY, SHOES OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS OF THOSE MATERIALS.
Claims use since May 1924.

Reg. No. 267,555. Registered Feb. 25, 1930. SIMPLEX SHOE MANUFACTURING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



FOR BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since May 28, 1929.

Reg. No. 276,320. Registered Oct. 14, 1930. SHELTON HOSIERY MILLS, INC., Shelton, Conn., a corporation of Connecticut. Republished by registrant.



The word "Shelton" is disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since Mar. 14, 1930.

Reg. No. 283,454. Registered May 26, 1931. BYER-ROLNICK COMPANY, Dallas, Tex., a corporation of Texas. Republished by registrant.



The words "The Florence Hat" are disclaimed apart from the mark as shown.
FOR HATS FOR MEN.
Claims use since Mar. 1, 1927.

Reg. No. 286,957. Registered Sept. 8, 1931. JACOB SIEGEL, doing business as Jacob Siegel Company, Philadelphia, Pa. Republished by Jacob Siegel Company, Philadelphia, Pa., a corporation of Pennsylvania.

ALPACUNA

FOR MEN'S TOPCOATS, OVERCOATS, AND SUITS.
Claims use since on or about May 10, 1930.

Reg. No. 301,346. Registered Feb. 28, 1933. WEILL & HARTMANN, New York, N. Y. Republished by Arkwright, Incorporated, New York, N. Y., a corporation of New York.

FIRST LADY

FOR GLOVES MADE OF RUBBER, LEATHER, FABRIC, OR ANY COMBINATION THEREOF, CORSETS, BRASSIÈRES, HOSIERY, STEP-INS (DRAWERS), BLOOMERS, UNDERWEAR MADE OF KNITTED, NETTED, AND TEXTILE FABRIC; NIGHTDRESSES, SLIPS, PANTIES, KIMONOS, PAJAMAS, HATS, SHOES MADE OF LEATHER, RUBBER, FABRIC, OR ANY COMBINATION THEREOF, FOR WOMEN AND CHILDREN.
Claims use since Jan. 1, 1930.

Reg. No. 305,749. Registered Aug. 22, 1933. MARCUS & WIESEN, INC., New York, N. Y. Republished by Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania.

Vanity Fair

FOR GIRDLES.
Claims use since about 1915.

Reg. No. 321,292. Registered Jan. 29, 1935. LAUREL HOSIERY COMPANY, Reading, Pa., a corporation of Pennsylvania. Republished by registrant.

EVERYDAY

FOR HOSIERY.
Claims use since Sept. 4, 1914.

Reg. No. 323,001. Registered Mar. 26, 1935. FAMOUS-STERNBERG, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

Lordly

FOR MEN'S AND BOYS' SUITS OF LINENS, SEERSUCKERS, COTTONS, AND OTHER CLOTHS.
Claims use since Oct. 1, 1934.

Reg. No. 326,622. Registered July 30, 1935. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Imperial
Aga Shah

FOR MEN'S TOPCOATS, OVERCOATS, AND SUITS.
Claims use since on or about Feb. 1, 1935.

Reg. No. 327,055. Registered Aug. 13, 1935. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



The words "Persian Skin Camel Hair" are disclaimed apart from the mark as shown.
FOR MEN'S TOPCOATS, OVERCOATS, AND SUITS.
Claims use since on or about Feb. 1, 1935.

Reg. No. 342,621. Registered Jan. 19, 1937. J. W. LANDENBERGER & CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

TRU-LAST

FOR HOSIERY.
Claims use since Sept. 11, 1936.

Reg. No. 350,926. Registered Oct. 12, 1937. PACIFIC KNITTING MILLS, Los Angeles, Calif. Republished by Catalina, Inc., Los Angeles, Calif., a corporation of California.



FOR SWEATERS AND SPORT COATS FOR OUTERWEAR FOR MEN, WOMEN, AND CHILDREN, CONSTRUCTED OF IMITATION CHAMOIS SKIN FABRIC COMBINED WITH KNITTED SLEEVES AND TRIMMINGS.
Claims use since Apr. 26, 1937.

Reg. No. 356,097. Registered Apr. 12, 1938. ROBERT A. WENTZEL, Palmyra, Pa. Republished by Fae Manufacturing Company, Palmyra, Pa., a corporation of Pennsylvania.

Faemade

FOR LADIES', MEN'S, AND CHILDREN'S UNDERGARMENTS — NAMELY, UNION SUITS, VESTS, SHIRTS, SHORTS, SLIPS, NIGHTGOWNS, PAJAMAS, NIGHTSHIRTS, PANTIES, BRASSIÈRES, STEP-INS IN THE NATURE OF UNDERDRAWERS, BLOOMERS, PETTICOATS, AND CHEMISES.
Claims use since Nov. 4, 1935.

Reg. No. 357,202. Registered May 24, 1938. J. W. LANDENBERGER & CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SLIMS

FOR HOSIERY.
Claims use since Jan. 7, 1938.

Reg. No. 362,197. Registered Nov. 15, 1938. O. J. DE LENDRECIE COMPANY, Fargo, N. Dak., a corporation of North Dakota. Republished by registrant.

Gaudette

FOR WOMEN'S UNDER AND OUTER WEARING APPAREL—NAMELY, GIRDLES, BRASSIÈRES, GARTER BELTS; COMBINATIONS OF GIRDLES, BRASSIÈRES, AND GARTER BELTS; HOUSE COATS, NEGLIGEES, ROBES, LOUNGING PAJAMAS, SLIPS, SLEEPING PAJAMAS, PANTIES, BED JACKETS, VESTS, LOUNGING GOWNS, SWEATERS, DRESSES, COATS, SUITS, SKIRTS, BLOUSES, SWIM SUITS, SKI SUITS, SNOW SUITS, SLACKS, PLAY SUITS; AND SHOES MADE OF LEATHER, FABRICS, AND COMBINATIONS OF BOTH LEATHER AND FABRIC.
Claims use since on or about Feb. 22, 1938.

Reg. No. 363,450. Registered Dec. 27, 1938. ROBINSON MFG. COMPANY, INC., Dayton, Tenn., a corporation of Tennessee. Republished by registrant.



FOR MEN'S UNDERWEAR—NAMELY, ATHLETIC SHORTS.
Claims use since Feb. 18, 1938.

Reg. No. 365,697. Registered Mar. 14, 1939. ADAMS-MILLIS CORPORATION, High Point, N. C., a corporation of North Carolina. Republished by registrant.

Florice

FOR HOSIERY.
Claims use since Oct. 10, 1938.

Reg. No. 367,152. Registered May 9, 1939. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

OCCASION-ALL

FOR MEN'S TOPCOATS AND OVERCOATS.
Claims use since on or about Oct. 14, 1938.

Reg. No. 371,637. Registered Oct. 3, 1939. ROBERT A. WENTZEL, doing business as Fae Manufacturing Company, Palmyra, Pa. Republished by Fae Manufacturing Company, Palmyra, Pa., a corporation of Pennsylvania.

Faemade

FOR LADIES', MEN'S, AND CHILDREN'S UNDERGARMENTS—NAMELY, UNION SUITS, VESTS, SHIRTS, SHORTS, SHORTIES, SLIPS, NIGHTGOWNS, PAJAMAS, NIGHTSHIRTS, PANTIES, BRASSIÈRES, STEP-INS IN THE NATURE OF UNDERDRAWERS, BLOOMERS, PETTICOATS AND CHEMISE, AND LADIES' APRONS AND HOUSE FROCKS.
Claims use since Nov. 4, 1935.

Reg. No. 375,545. Registered Feb. 20, 1940. ROBERT A. WENTZEL, doing business as Fae Manufacturing Company, Palmyra, Pa. Republished by Fae Manufacturing Company, Palmyra, Pa., a corporation of Pennsylvania.

Ringolde

FOR LADIES', MEN'S, AND CHILDREN'S UNDERGARMENTS—NAMELY, UNION SUITS, VESTS, SHIRTS, SHORTS, ULTRA SHORT MEN'S UNDERDRAWERS, SLIPS, NIGHTGOWNS, PAJAMAS, NIGHTSHIRTS, PANTIES, BRASSIÈRES, STEP-INS IN THE NATURE OF UNDERDRAWERS, BLOOMERS, PETTICOATS, AND CHEMISES; AND LADIES' APRONS, DRESSES, AND HOUSECOATS.
Claims use since Sept. 18, 1939.

Reg. No. 381,814. Registered Oct. 8, 1940. JACK TOBIN, Philadelphia, Pa. Republished by Jack Tobin, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

Tot Joy

FOR LADIES', MISSES' AND CHILDREN'S DRESSES.
Claims use since Mar. 2, 1932.

Reg. No. 394,749. Registered Apr. 28, 1942. THE CAMPE CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR MEN'S UNION SUITS, PANTS, ATHLETIC SHIRTS, WOMEN'S UNION SUITS, VESTS, PANTIES, BLOOMERS, SHORTS, INFANTS' PANTIES, AND SHORTS.
Claims use since June 18, 1941.

Reg. No. 395,920. Registered June 16, 1942. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Regis Rex

FOR MEN'S TOPCOATS AND OVERCOATS.
Claims use since on or about Jan. 2, 1934.

Reg. No. 396,982. Registered Aug. 11, 1942. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Custom Inspired

The word "Custom" is disclaimed apart from the mark as shown.
FOR MEN'S AND YOUNG MEN'S TOPCOATS AND OVERCOATS.
Claims use since Mar. 10, 1942.

Reg. No. 397,933. Registered Sept. 29, 1942. EDITH D. TOBIN, doing business as Jack Tobin, Philadelphia, Pa. Republished by Jack Tobin, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



The word "Frocks" is disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' DRESSES.
Claims use since May 7, 1942.

Reg. No. 400,849. Registered Apr. 6, 1943. EDITH D. TOBIN, doing business as Jack Tobin, Philadelphia, Pa. Republished by Jack Tobin, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



The words "Tot" and "Frocks" together with the representation of the goods are disclaimed apart from the mark as shown.
FOR DRESSES FOR CHILDREN, RANGING IN SIZE FROM 1 TO 12 YEARS OF AGE, BOTH INCLUSIVE.
Claims use since July 23, 1942.

Reg. No. 402,168. Registered July 6, 1943. EDITH D. TOBIN, doing business as Jack Tobin, Philadelphia, Pa. Republished by Jack Tobin, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



The word "Frocks" and the picture of a frock are both disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' DRESSES.
Claims use since June 26, 1942.

Reg. No. 404,601. Registered Dec. 7, 1943. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ALPERU

FOR MEN'S, YOUNG MEN'S, AND BOYS' TOPCOATS AND OVERCOATS.
Claims use since on or about May 10, 1930.

Reg. No. 405,047. Registered Jan. 4, 1944. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

CAMPAIGNER

FOR MEN'S, YOUNG MEN'S, AND BOYS' TOPCOATS AND OVERCOATS.
Claims use since on or about August 1941.

Reg. No. 405,048. Registered Jan. 4, 1944. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

METROPOLE

FOR MEN'S, YOUNG MEN'S, AND BOYS' TOPCOATS AND OVERCOATS.
Claims use since on or about August 1941.

Reg. No. 408,103. Registered July 18, 1944. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

GOBIAN

FOR MEN'S AND YOUNG MEN'S TOPCOATS AND OVERCOATS.
Claims use since on or about January 1932.

Reg. No. 408,112. Registered July 18, 1944. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ALPERU

ROYALE

FOR MEN'S, YOUNG MEN'S, AND BOYS' TOPCOATS AND OVERCOATS.
Claims use since on or about April 1940.

Reg. No. 410,835. Registered Dec. 19, 1944. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

KINBAIRN

FOR MEN'S AND BOYS' TOPCOATS AND OVERCOATS.
Claims use since Oct. 1, 1943.

Reg. No. 414,054. Registered May 22, 1945. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

VICAR ROW

FOR MEN'S AND BOYS' TOPCOATS AND OVERCOATS.
Claims use since September 1943.

Reg. No. 420,759. Registered Apr. 30, 1946. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ChamaRex

FOR MEN'S TOPCOATS AND OVERCOATS.
Claims use since July 1, 1945.

Reg. No. 425,829. Registered Dec. 3, 1946. NORTH SHORE MANUFACTURING COMPANY, Duluth, Minn., a corporation of Minnesota. Republished by registrant.

"HAPPY SNAPPY"

The word "Snappy" is disclaimed apart from the mark as shown.
FOR CHILDREN'S PLAY CLOTHES, PRINCIPALLY OF COTTON AND RAYON AND MIXTURES OF COTTON, RAYON, AND WOOL—NAMELY, COVERALL SUITS, OVERALLS, AND JACKETS.
Claims use since Nov. 26, 1945.

Reg. No. 430,640. Registered June 17, 1947. G. M. POIX, INC., New York, N. Y., a corporation of New York. Republished by registrant.

"Evening Star"

FOR STRAPLESS BRASSIÈRES AND BANDEAUX.
Claims use since June 1, 1936.

Reg. No. 431,454. Registered July 22, 1947. G. M. POIX, INC., New York, N. Y., a corporation of New York. Republished by registrant.

A. P. DOUBLE SUPPORT

The notation "Double Support" is disclaimed apart from the mark as shown.
FOR BRASSIÈRES.
Claims use since June 1, 1934.

Reg. No. 431,455. Registered July 22, 1947. G. M. POIX, INC., New York, N. Y., a corporation of New York. Republished by registrant.

A·P GIRLISH FORM

The words "Girlish Form" are disclaimed except in the relation and association shown in the drawing.
FOR BRASSIÈRES.
Claims use since Aug. 15, 1932.

Reg. No. 433,433. Registered Oct. 14, 1947. YOUNGSTERS SHOES LTD., Chicago, Ill., a limited partnership firm. Republished by registrant.

Blinkies for Kiddies

The words "For Kiddies" are disclaimed apart from the mark as shown.
FOR SHOES AND SLIPPERS OF LEATHER AND FELTED MATERIALS FOR CHILDREN AND INFANTS.
Claims use since Apr. 27, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 238,624. Registered Feb. 14, 1928. JORDAN MARSH COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

JMCo.

FOR SATEEN BLANKET BINDING.
Claims use since Aug. 15, 1927.

Reg. No. 376,729. Registered Apr. 2, 1940. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Republished by C. J. Bates & Son, Chester, Conn., a firm.

EYE-EZY

FOR SEWING KITS AND SEWING SETS COMPRISING MEASURING TAPES AND RULES, SCISSORS, NEEDLES, THREAD, THIMBLES AND THE LIKE, AND KNITTING KITS AND KNITTING SETS AND EMBROIDERY KITS AND EMBROIDERY SETS COMPRISING BODKINS, STILETTOS, CROCHET HOOKS, KNITTING NEEDLES, STITCH HOLDERS, TATTING SHUTTLES AND THE LIKE.
Claims use since Mar. 1, 1939.

Reg. No. 384,663. Registered Jan. 28, 1941. BEN HUR PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Pomp-Adorables

FOR COMBINED COMB AND HAIR ORNAMENTS FORMED OF MATERIAL OTHER THAN PRECIOUS METAL, COMBS AND BARRETTES.
Claims use since about Aug. 1, 1940.

Reg. No. 388,044. Registered June 10, 1941. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Republished by C. J. Bates & Son, Chester, Conn., a firm.

TONEWOOD

FOR CROCHET HOOKS AND KNITTING NEEDLES.
Claims use since Oct. 1, 1939.

Reg. No. 393,650. Registered Feb. 24, 1942. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Republished by C. J. Bates & Son, Chester, Conn., a firm.



The drawing is lined for the color violet. The representation of the crochet hook per se is disclaimed apart from the mark as shown.
FOR CROCHET HOOKS FOR HAND USE.
Claims use since Aug. 15, 1938.

Reg. No. 395,871. Registered June 16, 1942. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn., assignor to C. J. Bates & Son. Republished by C. J. Bates & Son, Chester, Conn., a firm.



The drawing is lined for the color blue. The representation of the goods per se is disclaimed.
FOR CROCHET HOOKS FOR HAND USE.
Claims use since Aug. 15, 1938.

Reg. No. 395,872. Registered June 16, 1942. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn., assignor to C. J. Bates & Son. Republished by C. J. Bates & Son, Chester, Conn., a firm.



The drawing is lined for the color red. The representation of the goods per se is disclaimed.
FOR CROCHET HOOKS FOR HAND USE.
Claims use since Aug. 15, 1938.

Reg. No. 395,873. Registered June 16, 1942. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn., assignor to C. J. Bates & Son. Republished by C. J. Bates & Son, Chester, Conn., a firm.



The drawing is lined for the color green. The representation of the goods per se is disclaimed.
FOR CROCHET HOOKS FOR HAND USE.
Claims use since Aug. 15, 1938.

Reg. No. 395,874. Registered June 16, 1942. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn., assignor to C. J. Bates & Son. Republished by C. J. Bates & Son, Chester, Conn., a firm.



The representation of the goods per se is disclaimed. The drawing is lined for the color yellow.
FOR CROCHET HOOKS FOR HAND USE.
Claims use since Aug. 15, 1938.

Reg. No. 400,116. Registered Feb. 16, 1943. SCHEIN BROTHERS, INC., New York, N. Y. Republished by Schein Brothers, New York, N. Y., a firm.

Lady Claire

FOR HATPINS MADE OF MATERIALS OTHER THAN PRECIOUS METAL.
Claims use since Feb. 20, 1940.

Reg. No. 413,255. Registered Apr. 17, 1945. BEN HUR PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Deluxite

FOR COMBS AND BARRETTES.
Claims use since about Jan. 15, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 49,211. Registered Jan. 30, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

BURLINGTON

FOR COTTON PIECE GOODS.
Claims use since July 10, 1875.

Reg. No. 80,374. Registered Dec. 13, 1910. BEDELL PARKER, New York, N. Y. Republished by Delpark, Inc., Newark, N. J., a corporation of New Jersey.

DELPARK

FOR COTTON, WOOLEN, LINEN, AND SILK PIECE GOODS.
Claims use since July 1, 1908.

Reg. No. 161,517. Registered Nov. 14, 1922. KEMP & BEATLEY, New York, N. Y., a corporation of New York. Republished by registrant.

VICTORY K&B INC.

FOR TABLECLOTHS, DOILIES, AND MAT COVERS.
Claims use since Jan. 1, 1919.

Reg. No. 234,803. Registered Nov. 8, 1927. NOVELTY KNITTING COMPANY, Cohoes, N. Y. Republished by Arnold Knitwear Corporation, Cohoes, N. Y., a corporation of New York.

THOSE Arnold KNIT GOODS

FOR CRIB SHEETS, PILLOW-CASES, AND KNIT JERSEY FABRICS IN THE PIECE.
Claims use since 1890.

Reg. No. 236,196. Registered Dec. 6, 1927. LEE BROTHERS (OVERWEAR) LIMITED, London, England, a corporation organized under the laws of Great Britain and Northern Ireland. Republished by registrant.

MOTOLUXE THE SNUGGEST OF RUGS

The words "Snuggest of Rugs" are disclaimed apart from the mark as shown.
FOR MOTOR ROBES (TEXTILE LAP ROBES).
Claims use since August 1925.

Reg. No. 273,110. Registered July 22, 1930. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

FABRAY

FOR TICKING PIECE GOODS.
Claims use since Mar. 20, 1929.

Reg. No. 283,139. Registered May 19, 1931. ONONDAGA SILK COMPANY, INC., Syracuse and New York, N. Y., a corporation of New York. Republished by registrant.

Repertoire Silks

The term "Silks" is disclaimed apart from the mark as shown.
FOR SILK FABRICS IN THE PIECE.
Claims use since Dec. 23, 1930.

Reg. No. 283,144. Registered May 19, 1931. ONONDAGA SILK COMPANY, INC., Syracuse and New York, N. Y., a corporation of New York. Republished by registrant.

Chiffon Frivolee

The term "Chiffon" is disclaimed apart from the mark as shown.
FOR SILK FABRICS IN THE PIECE.
Claims use since Sept. 5, 1928.

Reg. No. 307,423. Registered Oct. 24, 1933. ONONDAGA SILK COMPANY, INC., Syracuse and New York, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y.

Jubbah

FOR SILK FABRICS IN THE PIECE.
Claims use since May 22, 1933.

Reg. No. 307,810. Registered Nov. 7, 1933. ONONDAGA SILK COMPANY, INC., Syracuse and New York, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y.

Dasti

FOR SILK FABRICS IN THE PIECE.
Claims use since May 29, 1933.

Reg. No. 340,132. Registered Nov. 3, 1936. ONONDAGA SILK COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Petitpas

FOR SILK PIECE GOODS.
Claims use since June 11, 1936.

Reg. No. 388,643. Registered July 1, 1941. KEMP & BEATLEY, INC., New York, N. Y. Republished by Kemp & Beatley, New York, N. Y., a corporation of New York.

VICRAY

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, AND COMBINATIONS THEREOF, TABLECLOTHS, NAPKINS, AND KITCHEN TOWELS.
Claims use since Feb. 27, 1940.

Reg. No. 426,123. Registered Dec. 17, 1946. THOMAS TEXTILE SERVICE CO., Philadelphia, Pa. Republished by Thomas Textile Service Company, Philadelphia, Pa., a corporation of Pennsylvania.

EXARCH

FOR COLLAR CANVAS FOR INTERIOR LINING OF COAT COLLARS.
Claims use since Jan. 5, 1943.

Reg. No. 426,124. Registered Dec. 17, 1946. THOMAS TEXTILE SERVICE CO., Philadelphia, Pa. Republished by Thomas Textile Service Company, Philadelphia, Pa., a corporation of Pennsylvania.

FEXTON

FOR COLLAR CANVAS FOR INTERIOR LINING OF COAT COLLARS.
Claims use since Jan. 5, 1943.

Reg. No. 432,395. Registered Sept. 2, 1947. UNITED STATES RUBBER COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

STREX

FOR ALL TEXTILE FABRICS IN THE PIECE MADE OF COTTON, RAYON, NYLON, AND WOOL YARNS, AND YARNS MADE OF BLENDS OF THESE FIBERS IN VARIOUS PROPORTIONS, SOME OR ALL OF SUCH YARNS BEING SPECIFICALLY COILED TO IMPART ELASTIC PROPERTIES TO THE FABRIC.
Claims use since Apr. 1, 1946.

CLASS 43

THREAD AND YARN

Reg. No. 57,413. Registered Nov. 13, 1906. HERBERT E. LOCKE, Boston, Mass. Republished by The General Thread Mills, Inc., Boston, Mass., a corporation of Massachusetts.



FOR COTTON THREAD.
Claims use since May 1903.

Reg. No. 130,088. Registered Apr. 6, 1920. H. E. LOCKE, & COMPANY, INC., Boston, Mass. Republished by The General Thread Mills, Inc., Boston, Mass., a corporation of Massachusetts.

BEACON

FOR THREAD AND YARN.
Claims use since December 1898.

Reg. No. 136,077. Registered Oct. 26, 1920. H. E. LOCKE & COMPANY, INC., Boston, Mass. Republished by The General Thread Mills, Inc., Boston, Mass., a corporation of Massachusetts.

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KANSAS

The word "Kansas" is disclaimed apart from the mark as shown.
FOR THREAD AND YARN.
Claims use since May 1914.

Reg. No. 341,413. Registered Dec. 8, 1936. J. W. LANDENBERGER & CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SUPER-THREAD

The word "Thread" is disclaimed apart from the mark as shown.
FOR YARN.
Claims use since June 19, 1936.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 332,744. Registered Feb. 25, 1936. HARDWOOD PRODUCTS COMPANY, Mayville, Mich., and Guilford, Maine, a co-partnership. Republished by registrant, present address Mayville, Mich.



The word "Trophy" is disclaimed apart from the mark as shown.
FOR TOOTHPICKS.
Claims use since Feb. 3, 1922.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 30,327. Registered July 6, 1897. THE NATIONAL STARCH MANUFACTURING COMPANY, Covington, Ky., and New York, N. Y. Republished by Corn Products Refining Company, New York, N. Y., a corporation of New Jersey.

DURYEAS'

FOR CORN-STARCH, CORN-FLOUR, AND STARCH FOR LAUNDRY PURPOSES.
Claims use since 1856.

Reg. No. 49,057. Registered Jan. 23, 1906. NEW ORLEANS COFFEE CO. LTD., New Orleans, La. Republished by American Coffee Company, Inc., New Orleans, La., a corporation of Louisiana.



FOR ROASTED AND GROUND COFFEE.
Claims use since Jan. 21, 1890.

Reg. No. 52,130. Registered May 1, 1906. THE C. S. MOREY MERCANTILE COMPANY, Denver, Colo. Republished by The Morey Mercantile Company, Denver, Colo., a corporation of Colorado.



FOR COFFEE.
Claims use since about March 1903.

Reg. No. 54,199. Registered June 19, 1906. CRYSTALINE SALT COMPANY, Boston, Mass. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

CRYSTALINE

FOR SALT FOR TABLE, COOKING, DAIRY, AND GENERAL HOUSEHOLD USES.
Claims use since Nov. 12, 1888.

Reg. No. 64,380. Registered Aug. 6, 1907. THE C. S. MOREY MERCANTILE COMPANY, Denver, Colo. Republished by The Morey Mercantile Company, Denver, Colo., a corporation of Colorado.



FOR FLAVORING EXTRACTS.
Claims use since about January 1902.

Reg. No. 66,038. Registered Nov. 5, 1907. THE C. S. MOREY MERCANTILE COMPANY, Denver, Colo. Republished by The Morey Mercantile Company, Denver, Colo., a corporation of Colorado.

SOLITAIRE



FOR DRIED FRUITS, OLIVES, CANNED FRUITS AND VEGETABLES.
Claims use since about March 1903.

Reg. No. 91,606. Registered May 13, 1913. GEORGE W. SANBORN & SON, Astoria, Oreg. Republished by Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada.

TURRET

FOR CANNED SALMON.
Claims use since June 20, 1912.

Reg. No. 92,141. Registered June 17, 1913. SUNNY POINT PACKING COMPANY, INC., Seattle, Wash. Republished by Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada.

SUNNY POINT

FOR CANNED SALMON.
Claims use since May 1, 1912.

Reg. No. 93,468. Registered Sept. 16, 1913. GEO. W. SANBORN & SON, Astoria, Oreg. Republished by Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada.

KNIGHTHOOD

FOR CANNED SALMON.
Claims use since Aug. 1, 1912.

Reg. No. 93,885. Registered Oct. 21, 1913. MEYER & LANGE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

GOURMET

FOR PAPRIKA, ONIONS, MUSHROOMS, PEAS, HARICOTS, MACEDOINES, FLAGEOLETS, CRAB-MEAT, GREEN-TURTLE MEAT, OLIVES, CAVIAR, CHERRIES, BRANDIED FRUITS, OLIVE-OIL, AND CHEESE, BAR-LE-DUC-TYPE JELLY, CALF'S-FOOT JELLY, AND FRUIT JELLY, ALL OF WHICH ARE PRESERVED WITH THE EXCEPTION OF OLIVE-OIL, CHEESE, AND PAPRIKA.
Claims use since about 1888.

Reg. No. 113,787. Registered Oct. 31, 1916. PALMER CANDY CO., Sioux City, Iowa. Republished by William B. Palmer, Jr., co-trustee of estate of William B. Palmer, deceased, doing business as Palmer Candy Company, Sioux City, Iowa.

Palmer's

FOR CANDY.
Claims use since May 1894.

Reg. No. 124,874. Registered Mar. 18, 1919. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif., a corporation of California. Republished by registrant.

ALTISSIMO

FOR FRESH ORANGES.
Claims use since the month of July 1917.

Reg. No. 125,703. Registered June 3, 1919. HAAS, BARUCH & Co., Los Angeles, Calif., a corporation of California. Republished by registrant.

IRIS



FOR BRANDIED PEACHES, PEAR PICKLES, APRICOT PICKLES, WATERMELON PICKLES, PEACH PICKLES, PLUM PICKLES, AND FIG PICKLES, ALL IN GLASS.
Claims use since Dec. 23, 1915.

Reg. No. 129,547. Registered Feb. 24, 1920. WM. A. STEWART, Chicago, Ill. Republished by Stewart & Ashby Coffee Company, Chicago, Ill., a corporation of Illinois.

DRUM

FOR COFFEE.
Claims use since Jan. 1, 1919.

Reg. No. 130,312. Registered Apr. 20, 1920. HAAS, BARUCH & Co., Los Angeles, Calif., a corporation of California. Republished by registrant.

IRIS



FOR CANNED SHRIMP, CANNED CRAB, CANNED MINCED CLAMS, CANNED SALMON, CANNED TUNA FISH, CANNED OYSTERS, CODFISH TABLETS, UNPOPPED POPCORN, DRY SPLIT PEAS, LENTILS, HEAD-RICE, PEPPER SAUCE, CHILI POWDER, CELERY SAUCE, PEACH PRESERVES, HONEY, SALAD DRESSING, AND MINCEMEAT.
Claims use since Jan. 10, 1914.

Reg. No. 134,369. Registered Aug. 31, 1920. HAAS, BARUCH & Co., Los Angeles, Calif., a corporation of California. Republished by registrant.

IRIS



FOR FRUIT CANNED IN GLASS, CANNED MELBA PEARS, PRESERVES IN GLASS, CRANBERRY SAUCE, QUINCE PRESERVES, ORANGE MARMALADE, MINCEMEAT, CIDER VINEGAR, DRIED CODFISH, HONEY, COCKTAIL-ONIONS, SALAD DRESSING, AND PEPPERSAUCE.
Claims use since Jan. 1, 1898.

Reg. No. 137,068. Registered Nov. 16, 1920. TIBBITTS-HEWITT GROCERY COMPANY, St. Louis, Mo. Republished by General Grocer Company, St. Louis, Mo., a corporation of Delaware.

TOPMOST

FOR CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH.
Claims use since Apr. 10, 1920.

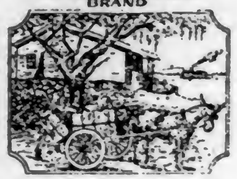
Reg. No. 141,059. Registered Apr. 5, 1921. THLINKET PACKING CORPORATION, Portland, Oreg. Republished by Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada.

Sea Rose Brand

The word "Brand" is disclaimed apart from the mark as shown.
FOR CANNED FISH.
Claims use since July 1, 1902.

Reg. No. 141,061. Registered Apr. 5, 1921. THLINKET PACKING CORPORATION, Portland, Oreg. Republished by Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada.

SUWANEE
BRAND



The word "Brand" is disclaimed apart from the mark as shown.
FOR CANNED FISH.
Claims use since July 15, 1909.

Reg. No. 143,059. Registered May 24, 1921. ALEX. KERR BROS. & Co., Philadelphia, Pa. Republished by Kerr Salt Company, Philadelphia, Pa., a corporation of Delaware.

KEYSTONE



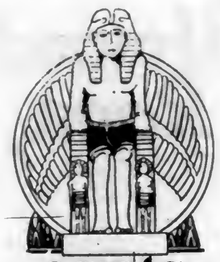
FOR SALT.
Claims use since 1886.

Reg. No. 152,494. Registered Feb. 28, 1922. GEO. W. SANBORN & SONS, Astoria, Oreg. Republished by Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada.

SILVER HORDE

FOR CANNED SALMON.
Claims use since Oct. 1, 1912.

Reg. No. 167,201. Registered Apr. 24, 1923. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.



FOR WHEAT FLOUR.
Claims use since February 1922.

Reg. No. 167,202. Registered Apr. 24, 1923. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.



FOR WHEAT FLOUR.
Claims use since February 1922.

Reg. No. 167,413. Registered May 1, 1923. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.



FOR BREAD.
Claims use since June 1922.

Reg. No. 172,759. Registered Sept. 11, 1923. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.

LA GIACONDA

FOR WHEAT FLOUR.
Claims use since Oct. 9, 1922.

Reg. No. 178,124. Registered Jan. 8, 1924. REMINGTON SALT COMPANY, Ithaca, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.



FOR SALT.
Claims use since on or about March 1919.

Reg. No. 178,866. Registered Jan. 29, 1924. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.

EMPERATRIZ

FOR WHEAT FLOUR.
Claims use since Apr. 1, 1922.

Reg. No. 184,092. Registered May 20, 1924. ALEX. KERR BROTHER & CO. INC., Philadelphia, Pa. Republished by Kerr Salt Company, Philadelphia, Pa., a corporation of Delaware.



The words "Brand Granulated Table Salt" are disclaimed apart from the mark as shown. The drawing is lined for the color red.
FOR SALT.
Claims use since Aug. 1, 1921.

Reg. No. 184,580. Registered May 27, 1924. PLYMOUTH CITRUS GROWERS ASSN., Plymouth, Fla., a corporation of Florida. Republished by registrant.

PLYMOUTH ROCK
Florex

FOR FRESH CITROUS FRUITS.
Claims use since Nov. 6, 1923.

Reg. No. 189,867. Registered Sept. 30, 1924. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif., a corporation of California. Republished by registrant.

ALBION

FOR FRESH CITROUS FRUITS.
Claims use since 1906.

Reg. No. 189,882. Registered Sept. 30, 1924. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif., a corporation of California. Republished by registrant.

SHAMROCK

FOR FRESH CITROUS FRUITS.
Claims use since 1906.

Reg. No. 189,883. Registered Sept. 30, 1924. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif., a corporation of California. Republished by registrant.

CALEDONIA

FOR FRESH CITROUS FRUITS.
Claims use since 1906.

Reg. No. 191,430. Registered Nov. 11, 1924. BROWN & HALEY, Tacoma, Wash. Republished by Brown & Haley, Tacoma, Wash., a corporation of Washington.

Almond Roca

The word "Almond" is disclaimed apart from the mark as shown.
FOR CHOCOLATE BRITTLE CANDY CONTAINING ALMONDS.
Claims use since Dec. 21, 1923.

Reg. No. 196,787. Registered Mar. 31, 1925. THE ULRY-TALBERT COMPANY, Grand Island, Nebr., a corporation of Nebraska. Republished by registrant.

Feast
CTO

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED BERRIES, CANNED SALMON, TEA, TABLE SIRUP, AND SPICES.
Claims use since Oct. 25, 1922.

Reg. No. 198,923. Registered May 26, 1925. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DR PRICE'S

FOR FLAVORING EXTRACTS FOR FOOD.
Claims use since May 1871.

Reg. No. 200,517. Registered July 7, 1925. PALMER CANDY CO., Sioux City, Iowa. Republished by William B. Palmer, Jr., co-trustee of the Estate of W. B. Palmer, deceased, doing business as Palmer Candy Company, Sioux City, Iowa.

QUARTERBACK

FOR CANDY.
Claims use since Nov. 15, 1924.

Reg. No. 208,020. Registered Jan. 19, 1926. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Espiquet
(S. P. K.)

FOR CONDIMENT SAUCES.
Claims use since June 21, 1925.

Reg. No. 214,954. Registered July 6, 1926. PALMER CANDY CO., Sioux City, Iowa. Republished by William B. Palmer, Jr., co-trustee of the Estate of W. B. Palmer, deceased, doing business as Palmer Candy Company, Sioux City, Iowa.

Aunt Ellen's

FOR CANDY.
Claims use since Oct. 15, 1925.

Reg. No. 220,015. Registered Oct. 26, 1926. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant.

Old Ironsides

FOR WHEAT FLOUR.
Claims use since Aug. 19, 1925.

Reg. No. 228,752. Registered June 7, 1927. THE OHIO BUTTERINE COMPANY, Cincinnati, Ohio. Republished by The Churngold Corporation, Cincinnati, Ohio, a corporation of Delaware.

UNO

FOR OLEOMARGARIN.
Claims use since January 1912.

Reg. No. 229,472. Registered June 28, 1927. THE CLYDE KRAUT COMPANY, Clyde, Ohio, a corporation of Ohio. Republished by registrant.

SILVER FLEECE

FOR SAUERKRAUT.
Claims use since 1893.

Reg. No. 239,943. Registered Mar. 13, 1928. FRANCES CITRUS ASSOCIATION, Tustin, Calif., a corporation of California. Republished by registrant, present address Santa Ana, Calif.

Senator

FOR FRESH CITRUS FRUITS.
Claims use since Mar. 11, 1918.

Reg. No. 241,944. Registered May 8, 1928. L. H. PARKE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



The word "Unmatchable" is disclaimed apart from the mark as shown.
FOR COFFEE, SAVORY, COCOA, CORNSTARCH, GELATINE, RICE, OLIVE OIL; CANNED GOODS—NAMELY, CUT BEETS, WHOLE BEETS, APPLE BUTTER, PACK APPLES, APPLE SAUCE, APRICOTS, BLACKBERRIES, CHERRIES, CRANBERRY SAUCE, FIGS, CARROTS, CATSUP, CHILI SAUCE, CLAM CHOWDER, CORN, HOMINY, MAYONNAISE, OKRA, ONIONS, SWEET POTATOES, PEAS, DILL PICKLES, PUMPKIN, BRUSSELS SPROUTS, SAUERKRAUT, SPINACH, SUCCOTASH, TOMATOES, TOMATO PURÉE, TOMATO SOUP, MIXED VEGETABLES, GOOSEBERRIES, GRAPE FRUIT, GRAPES, LOGANBERRIES, MINCEMEAT, ORANGE MARMALADE, PEACHES, PINEAPPLE, PLUMS, PRUNES, ASSORTED FRUIT PRESERVES, RASPBERRIES, RHUBARB, FRUITS FOR SALAD, STRAWBERRIES, PEACH BUTTER, PEAR BUTTER, APRICOT BUTTER, ASPARAGUS TIPS, GREEN BEANS, AND PORK AND BEANS; MUSTARD, TURMERIC, SAGE, CURRY POWDER, POULTRY SEASONING, THYME, PAPRIKA, CLOVES, MARJORAM, MACE, NUTMEGS, CHILI POWDER, BLACK PEPPER, WHITE PEPPER, RED PEPPER, ALLSPICE, CINNAMON, GINGER, TEA; FOOD FLAVORING EXTRACTS—NAMELY, PURE VANILLA, PURE LEMON, PURE ORANGE, PURE ALMOND, PURE ESSENCE OF PEPPERMINT, IMITATION MAPLE FLAVOR, IMITATION VANILLA, IMITATION BANANA, IMITATION STRAWBERRY, AND IMITATION PINEAPPLE.
Claims use since Nov. 23, 1904.

Reg. No. 254,787. Registered Apr. 2, 1929. MISSION PROVISION COMPANY, San Antonio, Tex., a corporation of Texas. Republished by registrant.

Pilgrim

FOR SMOKED MEATS—NAMELY, HAMS, BACON, AND SAUSAGE; AND BUTTER.
Claims use since July 1, 1921.

Reg. No. 260,160. Registered Aug. 20, 1929. THE EMM-AN-CEE COMPANY, Chicago, Ill. Republished by M & C Foods, Inc., Chicago, Ill., a corporation of Illinois.



The drawing is lined for the colors red, blue, and gold. The color gold is disclaimed. The words "Table Specialties" are disclaimed apart from the mark as shown.
FOR RAVIOLI, FARFALLE, FRENCH DRESSING, MACARONI, GRATED CHEESE, SPAGHETTI PREPARED AND READY TO EAT, UNCOOKED SPAGHETTI AND A COMBINATION PACKAGE OF SPAGHETTI, SPAGHETTI SAUCE, AND GRATED CHEESE, WHICH COMBINATION PACKAGE IS DESIGNATED AS A COMPLETE, GENUINE ITALIAN SPAGHETTI DINNER.
Claims use since Nov. 10, 1926.

Reg. No. 278,352. Registered Dec. 16, 1930. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.

Visking

FOR SAUSAGE CASINGS.
Claims use since June 1, 1928.

Reg. No. 278,356. Registered Dec. 16, 1930. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.



FOR SAUSAGE CASINGS.
Claims use since June 1, 1930.

Reg. No. 283,445. Registered May 26, 1931. FENDER MAYONNAISE COMPANY, Jacksonville, Fla., a firm. Republished by registrant.



FOR MAYONNAISE, SANDWICH SPREAD, THOUSAND ISLAND DRESSING, OLIVE RELISH COMPOSED OF MAYONNAISE AND CHOPPED STUFFED OLIVES, FRENCH DRESSING AND SALAD DRESSING.
Claims use since Oct. 9, 1930.

Reg. No. 290,892. Registered Jan. 19, 1932. ALASKA PACIFIC SALMON CORPORATION, Seattle, Wash. Republished by Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada.

SPEAR

FOR CANNED SALMON.
Claims use since July 1, 1906.

Reg. No. 297,631. Registered Sept. 20, 1932. STEELE-WEDELES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SAVOY

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, JAMS, JELLY POWDER, CHEESE, PICKLES, CATSUP, SALAD DRESSING, PREPARED MUSTARD, OLIVES, BREAKFAST CEREALS, CANNED SOUP; CANNED MEATS—NAMELY, CHICKEN A LA KING, PIGS FOOT TID BITS, BONELESS PIGS FEET, FRANKFURTERS, SLICED DRIED BEEF, OX TONGUES, PIGS FOOT DAINTIES, TAMALES, BONED CHICKEN, SLICED BEEF, LAMB TONGUES, CHOP SUEY, CHILI CON CARNE, AND DEVILED HAM; COCOANUT, SALTED NUTS, CHOCOLATE, POPCORN, MARASCHINO CHERRIES, SANDWICH SPREAD, ORANGE MARMALADE, CAPERS, MARSHMALLOW CREME, APPLE BUTTER, PEACH BUTTER, CHILI SAUCE, WORCESTERSHIRE SAUCE, TARTAR SAUCE, HOT SAUCE, COCKTAIL SAUCE, RED PEPPER SAUCE, MINT SAUCE, BARBECUE SAUCE, FRUIT JUICES FOR FOOD PURPOSES, SAUER KRAUT JUICE, TOMATO JUICE, FOUNTAIN FRUITS—NAMELY, CRUSHED STRAWBERRIES; AND GLACE FRUITS.
Claims use since 1894.

Reg. No. 299,768. Registered Dec. 20, 1932. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.

TOL-A-RITE

FOR WHEAT FLOUR.
Claims use since Aug. 29, 1932.

Reg. No. 310,779. Registered Mar. 6, 1934. FRANCES CITRUS ASSOCIATION, Santa, Ana, Calif., a corporation of California. Republished by registrant.

CONSTITUTION



FOR FRESH ORANGES.
Claims use since May 19, 1928.

Reg. No. 311,265. Registered Mar. 20, 1934. STANDARD MILLING COMPANY, New York, N. Y. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.

ARISTOS

FOR MIXED FEED AND WHEAT SCREENINGS.
Claims use since Feb. 16, 1918.

Reg. No. 326,513. Registered July 23, 1935. ROSS PACKING CO., INC., Selah, Wash. Republished by Ross Packing Co., Selah, Wash., a firm.

NEW WEST

FOR DRIED FRUITS.
Claims use since August 1932.

Reg. No. 334,804. Registered May 12, 1936. TREE-GOLD COOPERATIVE GROWERS OF FLORIDA, Orlando, Fla. Republished by Gentile Bros. Company, Winter Park, Fla., a corporation of Ohio.

NU-DAY

FOR CITRUS FRUITS, INCLUDING ORANGES, GRAPEFRUIT AND TANGERINES.
Claims use since Jan. 13, 1931.

Reg. No. 347,004. Registered June 15, 1937. ANNETTE ISLANDS CANNING COMPANY, Ketchikan, Alaska, and Seattle, Wash., a corporation of Alaska. Republished by registrant.

Alaska Gem

FOR CANNED SALMON.
Claims use since July 22, 1933.

Reg. No. 349,215. Registered Aug. 24, 1937. E. GREENFIELD'S SONS, INC., New York, N. Y., now by merger Henry Heide, Incorporated. Republished by Henry Heide, Incorporated, New York, N. Y., a corporation of New York.

Greenfield's

FOR CANDIES AND CHOCOLATES.
Claims use since Jan. 1, 1865.

Reg. No. 349,216. Registered Aug. 24, 1937. E. GREENFIELD'S SONS, INC., New York, N. Y., now by merger Henry Heide, Incorporated. Republished by Henry Heide, Incorporated, New York, N. Y., a corporation of New York.



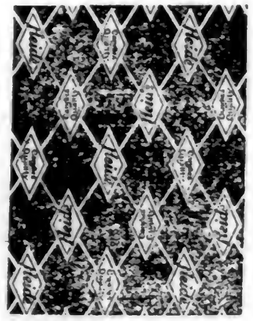
The word "Brand" is disclaimed apart from the mark as shown.
FOR CANDIES AND CHOCOLATES.
Claims use since January 1855.

Reg. No. 349,218. Registered Aug. 24, 1937. E. GREENFIELD'S SONS, INC., New York, N. Y., now by merger Henry Heide, Incorporated. Republished by Henry Heide, Incorporated, New York, N. Y., a corporation of New York.

Chocolate Sponge

The word "Chocolate" is disclaimed apart from the mark as shown.
FOR CANDIES.
Claims use since 1901.

Reg. No. 351,003. Registered Oct. 12, 1937. HENRY HEIDE, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.



The words "Candies of Quality" are disclaimed apart from the mark as shown. Also, the representation of the wrapper per se is disclaimed apart from the mark as shown.

FOR CANDIES OF ALL KINDS.
Claims use since June 1931.

Reg. No. 362,392. Registered Nov. 15, 1938. APPLES & PEARS, INC., Yakima, Wash., a corporation of Washington. Republished by registrant.

RAREFRUIT

FOR FRESH DECIDUOUS FRUITS.
Claims use since June 10, 1938.

Reg. No. 362,533. Registered Nov. 22, 1938. PLYMOUTH CITRUS GROWERS ASSOCIATION, Plymouth, Fla., a corporation of Florida. Republished by registrant.

MAYFLOWER

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 20, 1915.

Reg. No. 369,870. Registered Aug. 8, 1939. ALASKA PACIFIC SALMON COMPANY, Seattle, Wash., a corporation of Nevada. Republished by registrant.



FOR CANNED AND FROZEN FISH.
Claims use since July 23, 1929.

Reg. No. 373,232. Registered Nov. 28, 1939. AL MASSERA, Watsonville, Calif. Republished by Wilma Massera, doing business as Al Massera, Watsonville, Calif.

LUCKY STRIKE

FOR FRESH VEGETABLES.
Claims use since 1932.

Reg. No. 374,478. Registered Jan. 9, 1940. CLYMAN CANNING COMPANY, Hartford, Wis., a corporation of Wisconsin. Republished by registrant, present address Clyman, Wis.

TRU-LEE

FOR CANNED PEAS.
Claims use since Aug. 12, 1939.

Reg. No. 381,792. Registered Oct. 8, 1940. HARRY H. BRAKELEY, JR., Bordentown, N. J. Republished by registrant.

"SOUTHERN DINNER"

The word "Dinner" is disclaimed apart from the mark as shown.

FOR CANNED PRODUCT CONSISTING OF CUT STRINGLESS BEANS WITH POTATOES AND PORK.
Claims use since May 22, 1939.

Reg. No. 382,475. Registered Oct. 29, 1940. BEL PAESE SALES CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

ROMOLO

FOR CHEESE.
Claims use since May 22, 1940.

Reg. No. 386,552. Registered Apr. 15, 1941. BEL PAESE SALES CO. INC., New York, N. Y., a corporation of New York, N. Y. Republished by registrant.



All wording except "Bel Paese, Bel Paese Sales Co. Inc.," is disclaimed, and also the representation of the map is disclaimed apart from the mark as shown.

FOR CHEESE.
Claims use since Sept. 10, 1940.

Reg. No. 389,182. Registered July 29, 1941. TEX-O-KAN FLOUR MILLS COMPANY, doing business as Burrus Feed Mills, Dallas, Tex., a corporation of Delaware. Republished by registrant.

TEXO

"IT'S IN THE BAG"

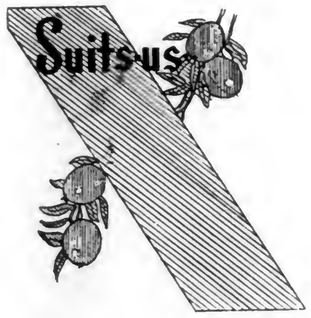
FOR POULTRY, DAIRY, LIVESTOCK, AND HOG FEEDS, CORNMEAL, AND WHEAT FLOUR.
Claims use since Jan. 1, 1934.

Reg. No. 391,929. Registered Dec. 2, 1941. R. C. HAUSINGER, doing business as Texas Food Products Co., Sugar Land and Mission, Tex. Republished by Florida-gold Citrus Corporation, Lake Alfred, Fla., a corporation of Florida.

TEX-ZEST

FOR CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Dec. 3, 1940.

Reg. No. 393,964. Registered Mar. 10, 1942. COLLEY CRANBERRY COMPANY, Plymouth, Mass., a corporation of Massachusetts. Republished by registrant.



The representation of the cranberries is disclaimed apart from the mark as shown. The drawing is lined for red and greenish blue.

FOR CANNED PROCESSED DEHYDRATED CRANBERRIES.
Claims use since 1924.

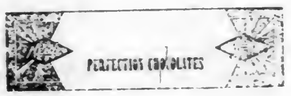
Reg. No. 403,127. Registered Sept. 7, 1943. G. C. BAILEY, Montpelier, Vt. Republished by registrant.



The name "Bailey's" is disclaimed apart from the mark as shown.

FOR FEED FOR ANIMALS—NAMELY, LIVESTOCK AND POULTRY.
Claims use since January 1938.

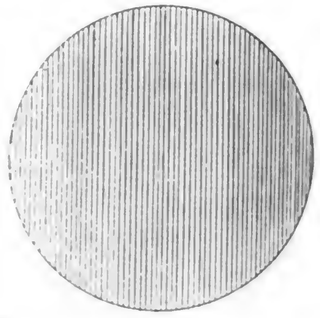
Reg. No. 404,511. Registered Nov. 30, 1943. HENRY HEIDE, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.



The representation of the label per se and the words "Perfection Chocolates" are disclaimed apart from the mark as shown. The drawing is lined for the colors red, blue, and grey.

FOR CHOCOLATES.
Claims use since about 1931.

Reg. No. 407,571. Registered June 13, 1944. STANDARD MILLING COMPANY, New York, N. Y. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.



The drawing is lined for the color red.

FOR WHEAT FLOUR AND MIXED FEED FOR LIVESTOCK AND POULTRY.

Claims use since 1890.

Reg. No. 412,267. Registered Feb. 27, 1945. HARRY B. BURT, Tulsa, Okla. Republished by Malt-A-Plenty, Inc., Tulsa, Okla., a corporation of Delaware.

Plentose

FOR STABILIZER DERIVED FROM WHEAT, AND COMPRISING MALTOSE, DEXTROSE, AND OTHER SIMPLE SUGARS, FOR USE IN ICE CREAM AND RELATED PRODUCTS.

Claims use since June 4, 1944.

Reg. No. 412,268. Registered Feb. 27, 1945. HARRY B. BURT, Tulsa, Okla. Republished by Malt-A-Plenty, Inc., Tulsa, Okla., a corporation of Delaware.

Plentose
"Sugars from Wheat"

The words "Sugars from Wheat" are disclaimed apart from the mark as shown.

FOR STABILIZER DERIVED FROM WHEAT, AND COMPRISING MALTOSE, DEXTROSE, AND OTHER SIMPLE SUGARS, FOR USE IN ICE CREAM AND RELATED PRODUCTS.

Claims use since June 4, 1944.

Reg. No. 413,018. Registered Apr. 3, 1945. TOM HEBERT, doing business as Lucullus, New York, N. Y. Republished by Calcutta Club Products, Inc., New York, N. Y., a corporation of New York.

Calcutta Club

The word "Calcutta" is disclaimed apart from the mark as shown.

FOR CHUTNEY.

Claims use since Aug. 15, 1944.

Reg. No. 416,427. Registered Sept. 11, 1945. DIAMOND T PRESERVING CO., Los Angeles, Calif. Republished by California Morning Foods, Inc., Los Angeles, Calif., a corporation of California.

CALIFORNIA MORNING

The word "California" is disclaimed apart from the mark as shown.

FOR BERRY PRESERVES, JELLIES AND MARMALADES.

Claims use since Mar. 7, 1945.

Reg. No. 418,080. Registered Sept. 4, 1945. PLYMOUTH CITRUS GROWERS ASSOCIATION, Plymouth, Fla., a corporation of Florida. Republished by registrant.

MAYFLOWER



FOR FRESH CITRUS FRUITS.

Claims use since Apr. 20, 1915.

Reg. No. 419,370. Registered Feb. 12, 1946. AMERICAN COFFEE COMPANY, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

Morning Joy

FOR COFFEE AND TEA.

Claims use since June 1891.

Reg. No. 421,417. Registered June 4, 1946. BROWN & HALEY, Tacoma, Wash., a corporation of Washington. Republished by registrant.

JOHNNY PEANUT

The word "Peanut" is disclaimed apart from the mark as shown.

FOR PEANUT CANDY BARS.

Claims use since February 1930.

Reg. No. 423,048. Registered Aug. 20, 1946. DIAMOND T PRESERVING CO., Los Angeles, Calif. Republished by California Morning Foods, Inc., Los Angeles, Calif., a corporation of California.

California Morning

The word "California" is disclaimed apart from the mark as shown.

FOR BOTTLED FRUIT JUICE AND PULP FOR FOOD PURPOSES, JELLIES, FRUIT AND BERRY PRESERVES, AND ORANGE MARMALADE.

Claims use since Mar. 7, 1945.

Reg. No. 425,343. Registered Nov. 12, 1946. CARROLL M. BERNDT, doing business as C. M. Berndt Company, Baltimore, Md. Republished by C. M. Berndt Company, Inc., Baltimore, Md., a corporation of Maryland.



The worde "Maté" is disclaimed apart from the mark as shown.

FOR PARAGUAYAN TEA (ILEX PARAGUAYENSIS).

Claims use since Jan. 1, 1911.

Reg. No. 425,788. Registered Dec. 3, 1946. HAAS BROTHERS, San Francisco, Calif., a corporation of California. Republished by registrant.

Trupak

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FRUITS FOR SALAD, CANNED VEGETABLES FOR SALAD, CANNED FRUIT JUICES FOR FOOD PURPOSES, CANNED SAUERKRAUT JUICE FOR FOOD PURPOSES, CANNED SAUERKRAUT, CANNED SUCCOTASH, CANNED PORK AND BEANS, OLIVES, MUSHROOMS, APPLE SAUCE, BROWN BREAD, TOMATO PASTE, TOMATO CATSUP, CRANBERRY SAUCE, CANNED FISH, CANNED FISH FLAKES, CANNED SHELL FISH, CANNED CLAM JUICE, CANNED SOUPS, CANNED PIMIENTOS, CANNED HOMINY, DRIED FRUITS, DRIED VEGETABLES, ALIMENTARY PASTE PRODUCTS, RAISINS, CURRANTS, PEARL BARLEY, TAPIOCA, RICE, POPCORN IN ITS NATURAL STATE, FIGS, DATES, MINCEMEAT, PEANUT BUTTER, PICKLES, HONEY, VINEGAR, CIDER VINEGAR, SUGAR AND MAPLE SYRUP, FLAVORING EXTRACTS FOR FOODS, PEPPER SAUCE, WORCESTERSHIRE SAUCE, GARLIC SAUCE, SOY SAUCE, GREEN CHILE PEPPERS, OLIVE OIL, SWEET RELISH COMPOSED OF CUCUMBERS, CAULIFLOWER, VINEGAR, SUGAR AND SPICES, FRUIT PRESERVES, ORANGE MARMALADE, JELLY, MARASCHINO CHERRIES, CHILI POWDER, GARLIC SALT, SALAD MUSTARD, CELERY SALT, ONION SALT, PAPRIKA, NUTMEG, WHITE PEPPER, ALLSPICE, CLOVES, POPPY SEED, CINNAMON, MUSTARD, CURRY POWDER, CELERY SEED, CARAWAY SEED, FOOD SEASONING COMPOSED OF SOY SAUCE, VINEGAR AND SPICES, BOUILLON CUBES, AND BIRD FOOD.

Claims use since Jan. 4, 1923.

Reg. No. 428,369. Registered Mar. 25, 1947. DOUGHBOY MILLS, INC., New Richmond, Wis., now by change of name Doughboy Industries, Inc. Republished by Doughboy Industries, Inc., New Richmond, Wis., a corporation of Wisconsin.

DOUGHBOY

FOR BREAKFAST CEREALS—NAMELY, ROLLED WHEAT, CRACKED WHEAT, TOASTED WHEAT, AND TOASTED RICE; DAIRY FEED, LAYING MASH, WHEAT FLOUR, AND HOG FEED—NAMELY, HOG BALANCER.

Claims use since Jan. 27, 1919.

CLASS 47

WINES

Reg. No. 349,334. Registered Aug. 24, 1937. PETRI CIGAR CO., doing business as Petri Wine Company, San Francisco, Calif., assignor to Safeway Stores, Incorporated, a corporation of Nevada. Republished by Beverage Distributors, Inc., San Francisco, Calif., a corporation of California.

FIDELIS

FOR WINES.

Claims use since Jan. 2, 1937.

CLASS 48

MALT BEVERAGES AND LIQUORS

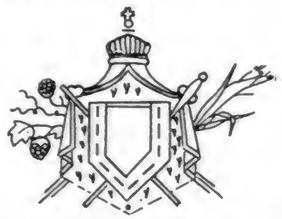
Reg. No. 122,537. Registered Aug. 20, 1918. JOS. SCHLITZ BREWING CO., Milwaukee, Wis. Republished by Jos. Schlitz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin.

Schlitz

FOR LAGER BEER.

Claims use since May 1, 1888.

Reg. No. 281,000. Registered Mar. 3, 1931. R. H. GRAUPNER, doing business as Canadian Pale Products Association, Harrisburg, Pa. Republished by Robert H. Graupner, Inc., Philadelphia and Harrisburg, Pa., a corporation of Pennsylvania.



FOR MALT BEVERAGES CONTAINING NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT.
Claims use since 1896.

Reg. No. 306,198. Registered Sept. 12, 1933. ROBERT H. GRAUPNER, Harrisburg, Pa. Republished by Robert H. Graupner, Inc., Philadelphia and Harrisburg, Pa., a corporation of Pennsylvania.

Silver Stock

The word "Stock" is disclaimed apart from the mark as shown.
FOR MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT.
Claims use since Apr. 7, 1933.

Reg. No. 307,387. Registered Oct. 24, 1933. F. W. COOK COMPANY, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

Cook's GOLDBLUME

FOR FERMENTED MALT BEVERAGES OF LEGAL ALCOHOLIC CONTENT.
Claims use since 1902.

Reg. No. 310,021. Registered Feb. 6, 1934. ROBERT H. GRAUPNER, Harrisburg, Pa. Republished by Robert H. Graupner, Inc., Harrisburg and Philadelphia, Pa., a corporation of Pennsylvania.



The representation of the person in Scotch costume is fanciful.
FOR MALT BEVERAGES OF NOT MORE THAN LEGAL ALCOHOLIC CONTENT.
Claims use since Sept. 27, 1933.

Reg. No. 313,899. Registered June 12, 1934. A. GETTELMAN BREWING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



The words "Milwaukee's Best" are disclaimed apart from the mark as shown.
FOR MALT BEVERAGES WITH NOT MORE THAN LEGAL ALCOHOLIC CONTENT.
Claims use since 1893.

Reg. No. 322,391. Registered Mar. 5, 1935. A. GETTELMAN BREWING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



The words "Pure Malt & Hops," and "Beer" are disclaimed apart from the mark as shown.
FOR BEER.
Claims use since Apr. 7, 1933.

Reg. No. 322,774. Registered Mar. 19, 1935. ROBERT H. GRAUPNER, Harrisburg, Pa. Republished by Robert H. Graupner, Inc., Philadelphia and Harrisburg, Pa., a corporation of Pennsylvania.

JollyScot

FOR ALE.
Claims use since Sept. 27, 1933.

Reg. No. 340,978. Registered Nov. 24, 1936. THE SPEARMAN BREWING COMPANY, Pensacola, Fla., a corporation of Florida. Republished by registrant.

Straight-Eight

FOR BEER.
Claims use since November 1935.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 38,774. Registered Aug. 12, 1902. JAMES BUCHANAN, London, England, and Glasgow, Leith, and Glenlivet, Scotland. Republished by James Buchanan & Company Limited, London, England, a corporation of Great Britain.

James Buchanan & Co

FOR WHISKY.
Claims use since June 1893.

Reg. No. 68,310. Registered Mar. 24, 1908. JAMES BUCHANAN & COMPANY LIMITED, London, England, a limited liability company organized under the laws of Great Britain. Republished by registrant.

BLACK & WHITE

FOR WHISKY.
Claims use since about January 1899.

Reg. No. 120,069. Registered Jan. 18, 1918. JAMES BUCHANAN & COMPANY LIMITED, London, England, and Glasgow, Mulben, and Speyside, Scotland, a corporation of Great Britain. Republished by registrant, present address London, England.

"BLACK & WHITE"

James Buchanan & Co

FOR WHISKY.
Claims use since about December 1914.

Reg No. 308,389. Registered Dec. 5, 1933. COURVOISIER, LIMITED, Jarnac, France, a corporation of England. Republished by registrant.



All notations appearing on the drawing, with the exception of the names "Courvoisier" and "Napoleon," are disclaimed apart from the mark as shown.
FOR COGNAC BRANDIES.
Claims use since 1910.

Reg. No. 309,473. Registered Jan. 16, 1934. GLENMORE DISTILLERIES CO., Owensboro, Ky. Republished by Glenmore Distilleries Company, Louisville, Ky., a corporation of Delaware.



The drawing is hatched for the color black, and the horizontal lines indicate shading only.
FOR WHISKEY.
Claims use since 1914.

Reg. No. 311,352. Registered Mar. 20, 1934. COURVOISIER, LIMITED, Jarnac, France, a corporation of England. Republished by registrant.

Courvoisier

FOR BRANDIES.
Claims use since 1828.

Reg. No. 314,217. Registered June 19, 1934. COURVOISIER, LIMITED, Jarnac, France, a corporation of England. Republished by registrant.

THE BRANDY OF NAPOLEON

The word "Brandy" is disclaimed apart from the mark as shown.
FOR BRANDIES.
Claims use since 1910.

Reg. No. 323,575. Registered Apr. 23, 1935. LABBE FRANCOIS AND COMPANY, Voiron, France, a firm of France. Republished by registrant.

Liqueurs
Labbé François

The word "Liqueurs" is disclaimed apart from the mark as shown.
FOR COGNAC, BRANDY, ALCOHOLIC CORDIALS, AND LIQUEURS.
Claims use since February 1934.

Reg. No. 326,293. Registered July 23, 1935. COURVOISIER, LIMITED, Jarnac, France, a corporation of England. Republished by registrant.



THE SHADOW OF NAPOLEON

FOR BRANDIES.
Claims use since October 1923.

Reg. No. 389,282. Registered July 29, 1941. BOHEMIAN DISTRIBUTING COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

MICHEL

FOR BRANDY.
Claims use since Feb. 28, 1941.

Reg. No. 432,352. Registered Sept. 2, 1947. THE STIRLING BONDING COMPANY LIMITED, Dumbarton, Scotland, a corporation of Great Britain. Republished by registrant.

GAELIC OLD SMUGGLER

The word "Old" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since at least the year 1915.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 355,581. Registered Mar. 22, 1938. CHISHOLM-RYDER CO., INC., Niagara Falls, N. Y., a corporation of New York. Republished by registrant.

PREMAX

FOR TENT POLES AND STAKES.
Claims use since Apr. 1, 1933.

Reg. No. 363,568. Registered Jan. 3, 1939. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

KIL-KLATTER

FOR TYPEWRITER PADS.
Claims use since Nov. 18, 1937.

Reg. No. 365,177. Registered Feb. 28, 1939. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

CASTLE

FOR RUG AND CARPET PADS OR UNDERLININGS.
Claims use since Oct. 8, 1937.

Reg. No. 391,591. Registered Nov. 18, 1941. AMERICAN HAIR & FELT COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

DUAL-TITE

The word "Tite" is disclaimed apart from the mark as shown.
FOR RUG AND CARPET PADS OR UNDERLININGS.
Claims use since Jan. 7, 1941.

Reg. No. 393,483. Registered Feb. 17, 1942. BEN HUR PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

JEWELTONE

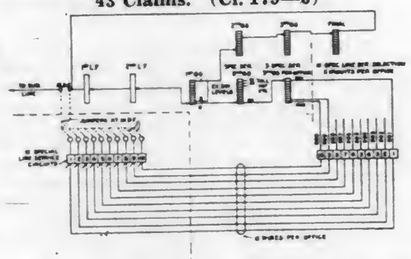
FOR CLOSET ACCESSORIES—NAMELY, CLOTHES HANGERS.
Claims use since Jan. 15, 1940.

REISSUES

DECEMBER 7, 1948

23,054
TELEPHONE EXCHANGE SYSTEM

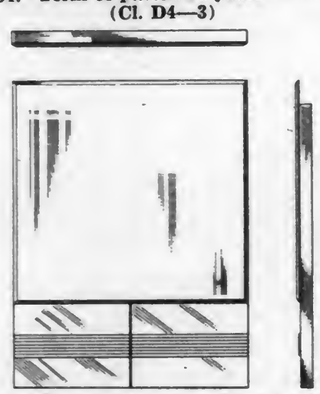
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Original No. 2,385,968, dated October 2, 1945, Serial No. 489,883, June 7, 1943. Application for reissue August 19, 1947, Serial No. 769,333
43 Claims. (Cl. 179—6)



1. In a telephone exchange system, a plurality of numerically designated subscribers' lines, means including groups of selector switches for establishing a connection between a calling and a called line, a plurality of special line service circuits, means controlled over a line in accordance with a numerical digit for operating means including a selector to select a circuit, a first relay associated with each circuit and operable to establish a connection between said line and the selected circuit, a second relay controllable over said line, a locking circuit for the first relay controlled in a back contact of the second relay, and means in said selector for applying a signal to said line and for releasing the selector and other means employed in the selection of the circuit.

23,055
A FRONT FOR BATHROOM CABINET OR SIMILAR ARTICLE

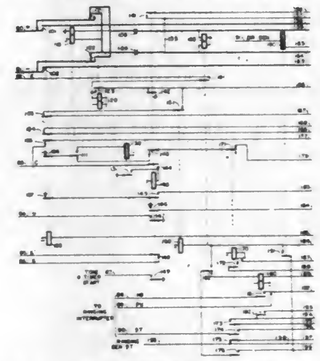
Walter Fanelli, South Euclid, Ohio, and Carl A. Laystrom, Decatur, Ill., assignors to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Original No. 147,785, dated November 4, 1947, Serial No. 125,737, January 19, 1946, for 14 years. Application for reissue June 22, 1948, Serial No. 147,134. Term of patent 14 years
(Cl. D4—3)



The ornamental design for a front for bathroom cabinet or similar article, as shown.

23,056
RELAY AUTOMATIC TELEPHONE SYSTEM

John H. Voss, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original No. 2,431,850, dated December 2, 1947, Serial No. 634,555, December 12, 1945. Application for reissue July 1, 1948, Serial No. 36,387
19 Claims. (Cl. 179—18)



1. In a telephone system, a plurality of relay type connectors, a plurality of trunk groups accessible to said connectors and having the single digit call numbers "0," "9," "8" and "7" respectively, a plurality of trunk groups accessible to said connectors and having four-digit call numbers, a plurality of subscribers lines accessible to said connectors and having four-digit call numbers, from one to ten trunks in each of said trunk groups, and means for extending calls to at least two of said single-digit trunk groups, to one or more of said four-digit trunk groups, and to one or more of said subscribers lines simultaneously.

PLANT PATENTS

GRANTED DECEMBER 7, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

813

PEACH TREE

Lawrence Satterfield, deceased, late of Port Clinton, Ohio, by Luella Satterfield, administratrix, Port Clinton, Ohio

Continuation of application Serial No. 618,612, September 26, 1945. This application May 16, 1946, Serial No. 670,060

1 Claim. (Cl. 47—62)

The variety of peach tree herein described and shown, having a tree that resembles the J. H. Hale more nearly than it resembles any other hitherto known variety, but which differs from said J. H. Hale by being larger in size, more vigorous and upright in growth and hardier, having leaves somewhat shorter and broader, blooming about two days later with blossoms about three-fourths the size of those of the J. H. Hale, with petals shaped and colored substantially as shown; having substantially no "buttons," with fruit ripening two or three days later than the J. H. Hale with similar fruit but finer in texture, better flavored, and with equal halves that hold their shape firmly.

PATENTS

GRANTED DECEMBER 7, 1948

2,455,347

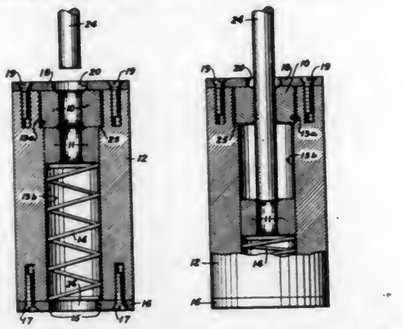
VARILENGTH TANDEM SELF-ALIGNING GAUGE

Theodore A. Anderer, Philadelphia, and Robert W. Tafel, Drexel Hill, Pa.

Application July 3, 1946, Serial No. 681,282

4 Claims. (Cl. 33—178B)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device for checking the external diameter of cylindrical and other objects, the combination of a first or "go" gaging element having an internal diameter equal to a desired maximum dimension for the objects to be checked, a second or "no go" gaging element having an internal diameter equal to a desired minimum dimension for said objects, means in the form of a unitary frame for supporting said first and second elements in tandem and substantially coaxial relation with the second or "no go" element movably held in the rear portion of said frame so as to be free for axial movement therein and with the first or "go" element movably positioned in the frame's forward portion so as to be free for limited lateral shifting with respect to said second element, and resilient means in said frame behind said second element which is thereby urged forward to abut said first element when no object is being checked, but which is moved rearwardly within the limits of the frame upon being contacted by an object having a diameter sufficiently small to permit its passage through said first element although not small enough to enter the bore of said second element.

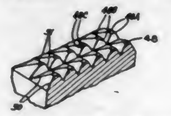
2,455,348

PROCESS OF MAKING SPARKING WHEELS

Carl A. Barstow, Anoka, Minn., assignor, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich., a corporation of Michigan

Application August 25, 1945, Serial No. 612,639

4 Claims. (Cl. 76—101)



1. In the making of spark wheels, the improved steps comprising turning a short cylinder having a plurality of circumferential ridges on its surface, then forcing the cylinder in an axial direction through a die having a cylindrical opening on which there are internal cutting teeth arranged around the inside of the cylindrical opening of the die, the maximum cutting diameter of said teeth being greater than the maximum diameter of the cylinder forced therethrough.

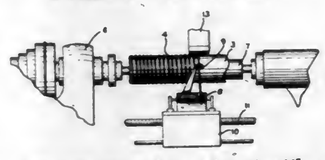
2,455,349

METHOD OF MAKING TEXTILE UNITS FOR FIBER DRAFTING

John W. Baymiller, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application April 17, 1943, Serial No. 483,406

8 Claims. (Cl. 154—117)



5. In the method of making textile machine units for drafting fibers, the steps which comprise applying a solvent to the exterior surface of a synthetic rubber tube disposed about a mandrel to soften the same while wrapping about and embedding spaced convolutions of twine in the softened surface, simultaneously brushing the convolutions of twine and the exterior surface of the tube between said convolutions to cover the exterior surface of the twine with a coating formed from the softened surface of the tube, placing a wear-resistant layer thereover, and securing said tube, twine and layer together to form an integral unit.

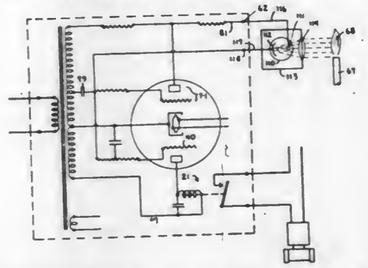
2,455,350

CONTROL DEVICE

Vilynn O. Beam, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 11, 1942, Serial No. 450,613

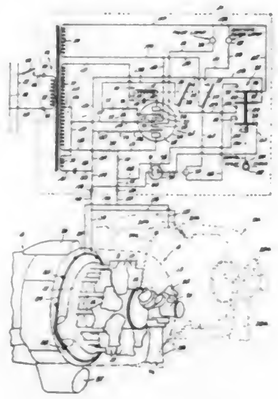
30 Claims. (Cl. 250—41.5)



2. In combination, a photoelectric cell, a current translating means, a space discharge amplifier having an anode, a cathode, and a control element, said amplifier controlling the energization of said current translating device and

operative to cause either energization or effective deenergization of said device depending upon within which of two ranges of values said control element potential is maintained, a source of alternating potential connected to said amplifier, a connection including said photoelectric cell between said control element and a point on said source such that in the event of a low non-rectifying impedance bridging the cell, the connection tends to maintain said control element at an alternating potential within one of said two ranges of values, a condenser, means connecting said condenser between said connection and said source of potential in such a manner that when said cell is subjected to a beam of light so as to be rectifying, said condenser is charged with a voltage of a predetermined polarity, and means including a further space discharge amplifier associated with said condenser and effective when said condenser is so charged to maintain said control element at a potential within the other of said two ranges of values.

2,455,351
FIRE DETECTING APPARATUS
Vilynn O. Beam and John M. Wilson, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 25, 1943, Serial No. 473,514
12 Claims. (Cl. 177—355)



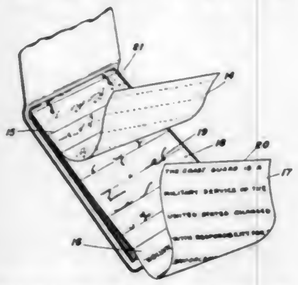
11. In combination with an enclosure normally free from flame, a fire detection system therefor comprising two spaced electrodes located within said enclosure, means for impressing an alternating potential difference of such character between said electrodes that when said electrodes are bridged by a flame a current flows between said electrodes having a unidirectional component of a predetermined polarity by reason of the rectifying properties of the flame, alarm means for warning of the presence of a flame, an electrical reactor connected to said electrodes, and circuit means including said reactor for causing operation of said alarm means upon a flame bridging said electrodes and producing a sufficient unidirectional voltage across said reactor and for preventing operation of said alarm means when said electrodes are bridged by a non-rectifying impedance of any value.

2,455,352
MACHINE GUN AMMUNITION BANDOLEER
John H. Beckman, Long, Md.
Application June 3, 1946, Serial No. 674,004
2 Claims. (Cl. 224—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



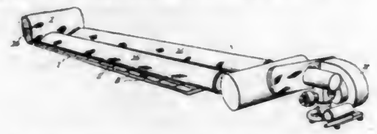
2. A bandoleer for a machine gun ammunition belt comprising a flexible tube permanently closed at one end and dimensioned to accommodate a folded belt of machine gun ammunition, manually operable means for closing the open end of the tube to retain an ammunition belt therein, a retaining loop in said tube adjacent the open end thereof and dimensioned to accommodate one thickness of a belt of machine gun ammunition to loosely retain one fold of said belt while permitting insertion of other folds of said belt into said tube, and a hook member adjacent the said open end for retaining the front end of said ammunition belt readily accessible when said bandoleer is opened.

2,455,353
COPY AND PRACTICE BOOK
Stanley T. Bell, Washington, D. C.
Application May 8, 1944, Serial No. 534,657
17 Claims. (Cl. 283—45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



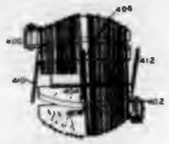
1. A combination text and practice book comprising a plurality of sets of sheets, each set comprising a semitransparent sheet for receiving written characters and a printed sheet, said printed sheet being approximately twice the length of said semitransparent sheet, the lower half of said printed sheet adapted to be folded against the upper half thereof, said printed sheet having copy printed on one side of one half thereof and a key printed on the other side of the other half, whereby either the printed copy or key may immediately underlie the said semitransparent sheet, and spaced lines to serve as guide lines for said written characters, the printed copy and printed key being correspondingly spaced a fraction of a space out of alignment with said spaced lines when in underlying relation to said semitransparent sheet.

2,455,354
MINE DESTROYER
James L. Bisch, United States Army
Application August 3, 1945, Serial No. 608,829
3 Claims. (Cl. 102—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A mine destroying torpedo comprising a flexible strip of material including pockets, explosive elements secured to said material, cartridges mounted in said pockets, pneumatic tubes positioned on said strip of material, said strip with said explosive elements, cartridges and tubes adapted to be coiled into a roll, and means connected to inflate said tubes for unrolling said strip including said explosive elements and cartridges over a mine field.

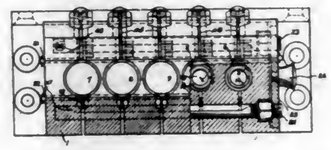
2,455,355
METHOD OF MAKING SPHERICAL COILS FOR VARIOMETERS
Edward E. Combs, Long Branch, N. J.
Application September 24, 1945, Serial No. 618,382
1 Claim. (Cl. 29—155.57)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



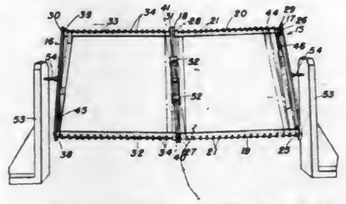
In a method of making a spherical radio coil, winding a wire, in the form of a coil, on a spherical form, fitting over said form, after the wire has been wound, two wire holders the interior holding surfaces of which are of spherical contour and of such a diameter that the wire can be expanded sufficiently to clear the ridges of the wire former, transferring said wire from said form onto said holders by cutting said wire approximately in the middle of the coil so as to obtain two approximately equal parts, allowing the wire to expand from said form into said holders, placing said wire holders over a spherical coil frame, transferring said wire from the holders onto said frame by clamping the outer ends of said wire against said frame and by pulling the cut ends of the wire until the entire length of said wire engages said frame, and joining the cut ends of the wire together.

2,455,356
SHOCK GAUGE
Charles E. Crede, Alexandria, Va.
Application July 4, 1944, Serial No. 543,484
3 Claims. (Cl. 73—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A shock gage for mounting on a body subjected to a shock, comprising a casing having a series of bores therein axially aligned with the direction of the shock force, a mass mounted for sliding movement in each bore, stops for said masses at the end of each bore, resilient means exerting different forces on the several masses for urging the masses against said stops in a direction opposing the displacement of the masses relative to said casing during said shock, means for catching and holding each mass at its maximum displacement having means for indicating the amounts of said displacement, and means to release said holding means and thus permit the resilient means to return all the masses to the positions they held prior to said shock.



2,455,357
APPARATUS FOR PROCESSING FILM
Le Roy M. Dearing and Ira B. Current, United States Navy
Application September 24, 1945, Serial No. 618,380
4 Claims. (Cl. 242—77)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



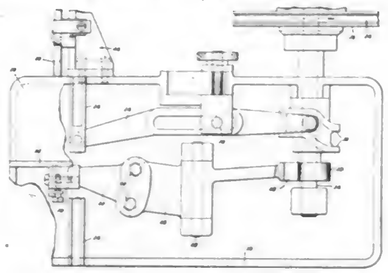
1. In apparatus for processing photographic film, rigid, rectangular, folding frames adapted to support film helically wound in loops thereon comprising side rails provided with aligned apertures on the transverse axis of the frame and with apertures near either end thereof, two hinge members on each side rail adapted to coact with the hinge members on an adjacent frame, a U-shaped pintle element adapted to connect the coacting hinge members, and spring biased locking means on the side rail of the adjacent frame adapted to hold the hinge members in cooperative relationship.

2,455,358
MANUFACTURE OF SYNTHETIC MINERAL PRODUCTS
Wladimir Diterichs, Paris, France; vested in the Attorney General of the United States
No Drawing. Application October 14, 1938, Serial No. 235,108. In Luxemburg October 30, 1937
5 Claims. (Cl. 106—39)

1. The method of making an agglomerate of a material consisting chiefly of rhombohedral alumina which comprises forming a binder by reacting a mixture the constituent ingredients of which are about 26 parts of 30° Bé. solution of magnesium chloride, about 13 parts of alumina hydrate, about 28 parts of 60° Bé. phosphoric acid, about 3 parts of 43° Bé. sodium silicate, about 6 parts water, about 21 parts of silica jel with 40% water and about 2 parts of boric anhydride, mixing said binder intimately and in a homogeneous manner with the material to be agglomerated,

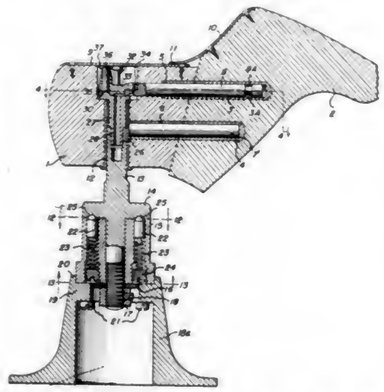
giving the mass thus obtained the desired shape, drying at a temperature below 300° C., then heating at a temperature above 600° C. and finally cooling.

2,455,359
MACHINE FOR APPLYING TAPE TO SHOE PARTS
Harry D. Elliott, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 26, 1947, Serial No. 763,921
6 Claims. (Cl. 12—59.5)



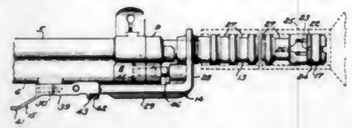
1. In a machine for applying tape to shoe vamps, means for applying pieces of tape to a vamp, a gage engageable alternatively with two transversely spaced portions of the throat of a blucher vamp, and a support whereon said gage is movable between two operating positions in one of which it gages the vamp relatively to the tape applying means to insure the application of a piece of tape at a desired locality at one side of the vamp throat and in the other of which positions it gages the vamp relatively to the tape applying means to insure the application of a second piece of tape at a desired locality at the other side of the vamp throat.

2,455,360
SHOE LAST AND SUPPORT
Julius Farina, Keene, N. H., assignor to Princess Shoe Company, Keene, N. H., a corporation of New Hampshire
Application April 3, 1946, Serial No. 659,306
3 Claims. (Cl. 12—135)



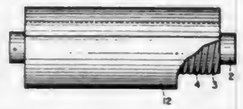
1. A shoe last including a heel-block, an adjustable toe-section mounted on the heel-block and mechanical connections mounted in the heel-block and co-acting with the toe-section for translating swivel movement of the heel-block into longitudinally reciprocal movement of the toe-section.

2,455,361
GRENADE LAUNCHER
John C. Garand, Springfield, Mass., assignor to the United States of America as represented by the Secretary of War
Application May 12, 1947, Serial No. 747,579
6 Claims. (Cl. 42—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a grenade launcher for a gas-operated firearm having a gas cylinder and resilient valve means included therein, the combination of, a tubular member adapted to slidably fit over the muzzle end of the firearm, a bracket secured at the rear end of said tubular member in laterally offset and longitudinally extending relation therewith, a stud on said bracket in alignment with and operable to open the valve means in the gas cylinder upon recoil of the launcher, latching means on said bracket constructed and arranged to engage a projecting part of the firearm, and a spring-pressed plunger at the rear end of said bracket adapted to contact the projecting part of the firearm when the launcher is mounted thereon, all adapted and arranged whereby said spring-pressed plunger is effective to cushion the recoil of the launcher and return the same to a pre-launching position.

2,455,362
METHOD OF MAKING TEXTILE FIBER DRAFTING APRONS
Richard A. Garrett, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application July 1, 1947, Serial No. 758,252
4 Claims. (Cl. 154—117)

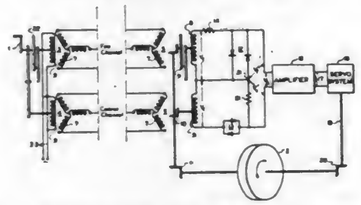


1. In a method of making a cord reinforced textile fiber drafting apron, the steps comprising positioning a base layer of flexible, resilient, wear-resistant, vulcanizable composition upon a forming surface, wetting a reinforcing cord with a migratory plasticizer for the composition, which plasticizer is nonvolatile at vulcanizing temperatures, disposing said treated cord as an open helical covering over said base layer under tension to embed said cord into said base layer upon softening of said composition by said plasticizer, permitting said plasticizer to migrate into said composition in the area between adjacent turns of said reinforcing cord to soften and tackify said composition in such areas, applying a facing layer of flexible, resilient, wear-resistant, vulcanizable composition over said base layer and cord while said cord is wet with said plasticizer and said base layer is in a soft and tackified condition, transferring plasticizer from said cord to said facing layer to soften said facing layer, applying pressure to said assembly to bring said base and facing layers into intimate contact, and vulcanizing said base layer and facing layer to form an integral structure with said facing and base layers joined to said cord and to each other in the spaces between adjacent turns of said cord.

2,455,363
PROCESS OF MAKING SHORTENING
Arne Gudheim, Winchester, Mass., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
No Drawing. Application May 4, 1944, Serial No. 534,152
2 Claims. (Cl. 99—122)

2. A method of preparing a substantially dry plastic edible shortening having a penetration of at least 175 at 21° C. so as to permit its use for general culinary purposes, comprising preparing a molten stock having a solid-to-liquid ratio of about 0.33 to 0.40 at a temperature within the range of 68° to 75° F., so as to be relatively free from weeping and bleeding at said temperature, rapidly cooling said stock to reduce the temperature thereof to at least as low as 15° C. and solidifying all of the components of the fat which are solid at said temperature by maintaining the cooled stock at a temperature of not above 15° C. until substantially all of the latent heat of crystallization has been liberated.

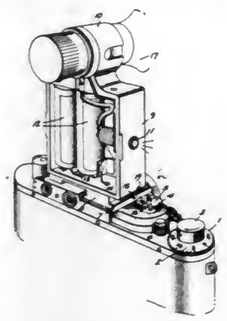
2,455,364
SELSYN-CONTROLLED SERVO SYSTEM
Robert F. Hays, Jr., Syosset, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application December 10, 1942, Serial No. 468,600
13 Claims. (Cl. 318—30)



12. In an electrical control system wherein two signal voltages are produced, the first of said voltages providing a proper signal over the major portion of the range of the system and the second of said voltages providing a highly accurate signal over the remaining critical range of the system, means for limiting said first voltage over said small critical range to a value negligible as compared to said second voltage, means for limiting said second voltage to a predetermined value, a voltage controlled servo system, and means for applying the series sum of said two limiting voltages to said servo system.

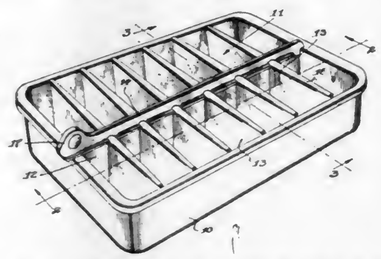
2,455,365
FLASH SYNCHRONIZER FOR CAMERAS WITH CURTAIN SHUTTERS
Myron S. Jenner, New York, N. Y.
Application April 11, 1945, Serial No. 587,821
3 Claims. (Cl. 95—11.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a camera having a movable focal plane shutter provided with an aperture, winder means for energizing the shutter, release means for the shutter, and control means for varying the size of the aperture in the shutter, said control means including a disc rotating in synchronization with the movement of the shutter and having indicia thereon for selecting an aperture of the desired size; said disc having a contacting means positioned thereon, said contacting means having a position locating means, and a contact fixed thereto a constant angular distance away from any selected indicia;



a contact mounted on the camera and non-rotatable with respect to the disc, means for mounting said last mentioned contact to engage the contact of the disc when the disc is rotated; a flash lamp mounted on said camera, and means interconnecting the contact and lamp for producing an electrical current through the lamp when the disc rotates to cause the contacting means to engage the contact and flash the lamp in positive synchronization with the movement of any selected shutter aperture.

2,455,366
ICE TRAY AND SLIP SURFACE FLEXIBLE GRID
Harley Y. Jennings, Clio, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan
Application November 5, 1942, Serial No. 464,640
7 Claims. (Cl. 62—108.5)



1. As a new article of manufacture, a sharp freezing container for substances to be frozen, and partitions for dividing the container into a plurality of ice cube molds, said partitions being formed of resilient easily distortable rubber which has incorporated therein a substance of such a nature that it will migrate to the surfaces of said partitions to form water-repellent, slippable surfaces for contact with the frozen substance in said container.

2,455,367

METHOD FOR DEPOSITING NONREFLECTIVE FILMS AND COMPOSITION THEREFOR

Peter King, Washington, D. C.

No Drawing. Application February 22, 1943, Serial No. 476,790
8 Claims. (Cl. 117—121)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

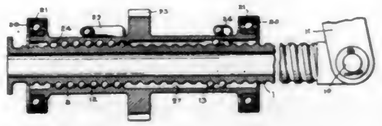
7. The method of depositing on a surface a strong adherent coating having low light reflecting properties which comprises preparing a colloidal dispersion of discrete colloidal particles of silica in water, incorporating said colloidal dispersion in a mixture of water miscible volatile organic solvents selected from the group consisting of alcohols, ketones and alcohol-ethers, with the solvents comprising more than 80% by volume of the resultant dispersion and being so selected that their boiling points are spread over a temperature range of approximately from 50° C. to 200° C., and adding thereto controlled amounts of alkyl silicate, controlling the proportions of water, organic solvents and alkyl silicate so as to maintain the alkyl silicate in part at least in an unhydrolyzed condition in the dispersion, applying said dispersion to the surface, and allowing the solvents to evaporate whereby a coating having low reflection characteristics results.

2,455,368

ANTIFRICTION SCREW AND NUT BEARING MECHANISM

Henry S. Hoffar, near Sidney, British Columbia, Canada, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio

Application May 19, 1945, Serial No. 594,654
9 Claims. (Cl. 74—459)



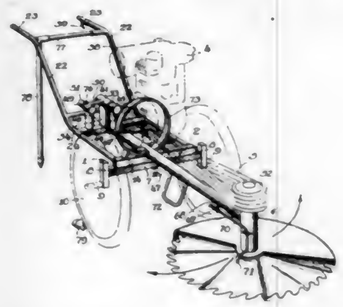
1. Antifriction screw mechanism comprising a screw having a helical groove in its periphery, a nut encircling said screw and having a helical groove in its inner periphery over a portion only of its length and an ungrooved section spaced a substantial distance lengthwise thereof from such groove, a plurality of turns of balls engaged in the helical groove of said nut and the adjacent helical groove of said screw, thus interconnecting said screw and said nut, a substantial number of balls in said set being operable simultaneously to transmit between said screw and nut both forces acting radially thereof and forces acting lengthwise thereof, by-pass means carried by said nut and communicating with portions of said nut's helical groove spaced lengthwise of the nut for recirculation of said balls therethrough, additional balls received in a portion of said screw groove adjacent to such ungrooved portion of said nut, adapted to bear radially against such ungrooved portion of said nut, at any given time a substantial number of said additional balls being operable to transmit between said screw and nut forces acting radially thereof but substantially all of said additional balls at any given time being inoperative to transmit between such members forces acting lengthwise thereof, and additional by-pass means carried by said nut and communicating with portions of said nut's ungrooved section spaced lengthwise of the nut for recirculation of said additional balls therethrough.

2,455,369

MANUALLY GUIDED TWO-WHEELED PORTABLE CIRCULAR POWER SAW

Bill Kuykendall, Buda, Tex.

Application April 12, 1946, Serial No. 661,765
4 Claims. (Cl. 143—43)



3. In a portable circular power saw, a pair of ground wheels, a primary frame mounted upon said wheels, a secondary frame pivoted to the primary frame for lateral swinging movement thereon, an engine, a saw supporting arm and a circular saw mounted on said secondary frame for movement therewith, said primary frame having an axle member upon which said wheels are supported, the axle member having a rearwardly extending member fixed thereto and having in its rear end a notch, the secondary frame having in its rear end a lateral slot in which the rear end portion of the rearwardly extending member is slidable, a swingable arm pivoted to the secondary frame, spring means for urging said swingable arm into said notch when in registry therewith, and means for forcibly moving the swingable arm out of the notch to free the secondary frame for swinging it laterally with relation to the primary frame.

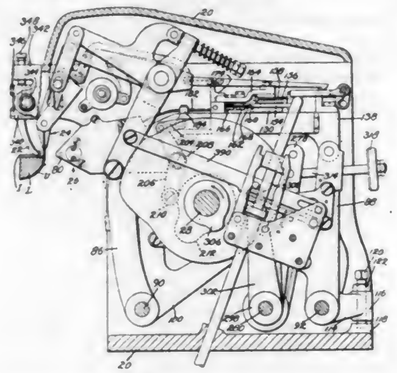
2,455,370

FASTENING INSERTING MACHINE

Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application March 14, 1945, Serial No. 582,647. Divided and this application March 7, 1946, Serial No. 652,582
4 Claims. (Cl. 1—20)

1. In a fastening inserting machine, a throat member movable toward and from a work piece presented to the machine, a driver movable in the throat member to insert fastenings into the work, cam operated means for moving the throat member and the driver as a unit toward the work, spring operated means for actuating the driver to drive a fastening while the throat member is in engagement with the work, means for holding said spring operated means in a cocked position during movement of the throat member and the driver as a unit toward the work, means for releasing said holding means to actuate the driver, said cam operated means being adapted, after the actuation of the driver, to move said spring operated means back into its cocked position thereby to withdraw the driver and to return the throat member into its initial position.

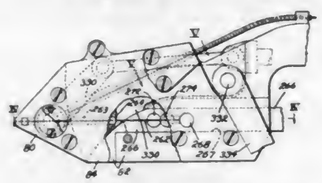


2,455,371

DRIVER GUARD FOR FASTENING INSERTING MACHINES

Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application March 14, 1945, Serial No. 582,647. Divided and this application April 6, 1946, Serial No. 660,169
7 Claims. (Cl. 1—20)



1. In a fastening inserting machine, a throat member adapted to engage a workpiece presented to the machine, a thin driver movable in the throat member to insert fastenings into the workpiece, a driver actuating member considerably thicker than the driver, a recess in the throat member, in which recess the driver actuating member is movable, and a guard member secured to the throat member for angular movement so as to cover that portion of the driver which is located in said recess.

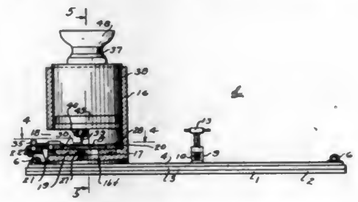
2,455,372

PORTABLE GUN SIGHT RETICULE PRODUCING APPARATUS

Sam P. Leeper, Mineola, Tex.

Application March 24, 1944, Serial No. 527,904
8 Claims. (Cl. 33—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a reticule producing apparatus of the class described, a reticule blank holding frame, a support therefor comprising a cylindrical guide member having a supporting base, open at one side to receive the reticule blank holding frame, securing means on said cylindrical guide member adjacent the said supporting base for securing the blank holding frame on the supporting base in said cylindrical guide member, said reticule blank holding frame comprising a circular plate-like member adapted to rest on the supporting base, interiorly of the cylindrical guide member, and having reticule mirror blank positioning and clamping means thereon for securing reticule mirror blanks in identical predetermined positions on said blank holding frame, cylindrical reticule cutter holding



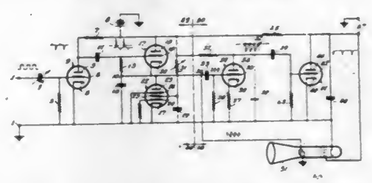
means rotatably and axially movable within said cylindrical guide means, a needle holder radially adjustable thereon with respect to the longitudinal axis of the cylindrical reticule cutter holding means and extending toward said supporting base, adapted to receive a reticule cutting needle, and a handle member on the opposite end of the cutter holding member for rotating the same with the needle in contact with reticule blanks disposed in said blank holding frame.

2,455,373

TIME BASE SWEEP AND INTENSIFIER PULSE GENERATOR

John M. Lester, Rockville Centre, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application March 25, 1943, Serial No. 480,570
17 Claims. (Cl. 315—22)



10. The method of generating an intensifier pulse, comprising the steps of differentiating, clipping and amplifying a square wave to produce a sawtooth wave, inverting said sawtooth wave, and clipping, amplifying, and integrating the same.

2,455,374

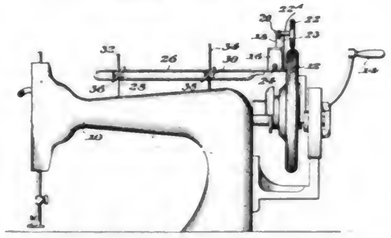
PROCESS OF RENDERING OLEAGINOUS TISSUE MATERIAL

Louis H. Libby, Boston, and Lloyd F. Henderson, Reading, Mass., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine

No Drawing. Application April 26, 1945, Serial No. 590,526
11 Claims. (Cl. 260—412.7)

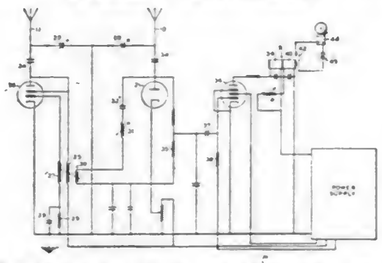
1. A method which comprises rendering oleaginous tissue material by heating it to a temperature which facilitates removal of fatty glyceride therefrom, in the presence of a small proportion of a substance supplying finely dispersed hydrated silica thereto, and separating the rendered fatty glyceride therefrom.

2,455,375
DRIVING MECHANISM FOR KNITTING NEEDLES
Jörgen P. Lindholm, Stockholm, Sweden, assignor to Lindan Electro, Inc., a corporation of New York
Application August 3, 1946, Serial No. 688,385
In Denmark August 22, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires August 22, 1962
2 Claims. (Cl. 66—1.5)



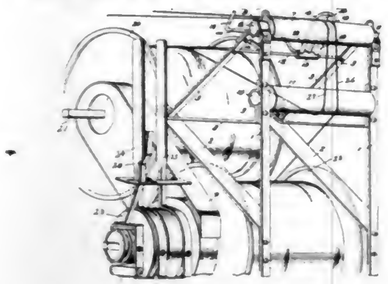
1. For use with a sewing machine having a balance wheel and one or more spool holders, a driving mechanism for knitting needles, comprising driving means adapted to co-operate with the periphery of the balance wheel, an arm adapted to extend along the upper side of said machine, and slidable clamping members on said arm adapted to be secured to the spool holders of the sewing machine.

2,455,376
CAPACITY ALARM SYSTEM
Maxwell H. A. Lindsay, Summit, N. J., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Application January 5, 1944, Serial No. 517,041
6 Claims. (Cl. 177—352.2)



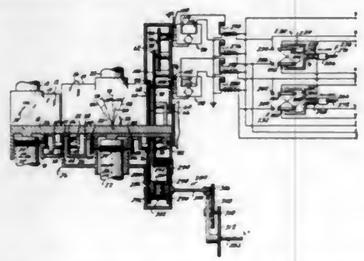
4. In a system of the type described, the combination of an oscillator, an antenna, connections whereby a change in capacity of the antenna varies the frequency of the oscillator, a tuning circuit linked to the output of said oscillator and being tuned substantially to the frequency of the oscillator, a second antenna, connections whereby a change in capacity of the second antenna changes the tuning of said tuning circuit, a control current path, and means whereby change of capacity of either of said antennae above a predetermined rate of change causes a change from normal in current flow in said path, current flow in said path remaining normal upon simultaneous uniform capacity change in said antennae, said oscillator being adjusted to a frequency slightly lower than the resonant frequency of said tuned circuit whereby equal capacity changes in either direction in either antenna cause substantially equal change in current flow in said path in either direction.

2,455,377
WIRE-WINDING DEVICE
Chauncey N. Maggiacomo, United States Army, Poughkeepsie, N. Y.
Application March 21, 1945, Serial No. 584,025
5 Claims. (Cl. 242—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



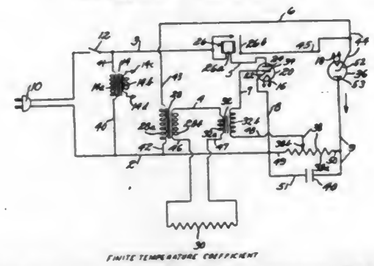
1. A device for recovering field wire comprising, a frame, a pair of reels mounted on the frame, means for driving said reels, an upper roller and a lower roller carried by the frame for tensioning wire passing to the reels, means for manually traversing the winding of the wire from one end of a reel to the other, a post on the frame, a cross arm at the upper end of the post, and swivelly mounted pulleys one at each end of the cross arm to guide wire to the rollers.

2,455,378
MECHANISM AND CONTROLS FOR CONTROLLABLE AIRCRAFT PROPELLERS; COMPLETE PROPELLER WITH AUTOMATIC CONTROLS
Howard M. McCoy, Patterson Field, Ohio
Application November 27, 1943, Serial No. 511,935
38 Claims. (Cl. 170—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



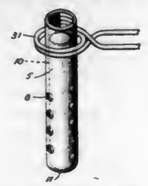
1. In an aircraft propeller, blades rotatable about their axes to change the pitch, means for changing the pitch whereby the airspeed may change in correspondence therewith, a differential gear-set comprising two differential gears, differential pinions for connecting said gears, and a carrier for revolving said pinions, means for connecting one of said gears to the pitch-change means, whereby rotatable displacement of said one gear is a function of pitch-change, an air-speed-responsive device for rotating said carrier as a function of air speed, and pitch-limit stop means connected to the other gear, whereby pitch-change is stopped when pitch is out of correspondence a predetermined amount with the air speed.

2,455,379
ELECTRONIC TEMPERATURE CONTROL
Miles A. McLennan, Dayton, Ohio
Application November 14, 1945, Serial No. 628,515
11 Claims. (Cl. 219—20)



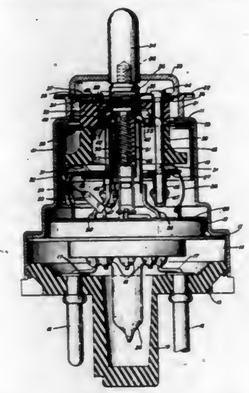
10. For use in a heating system having a source of electrical current and a heating element the resistance of which varies with temperature, a controller comprising, in combination, an electrical circuit for supplying electrical energy from said source to said heating element, an electrically operated switch for opening and closing said circuit, an electrical valve for passing current to operate said switch, said valve having control electrodes, a bias supply circuit applying a manually variable bias potential to at least one of said control electrodes, a voltage producing circuit applying a control potential (variable in response to current flow through said heating element and so to change of temperature of said heating element) to at least one of said control electrodes in opposition to said bias potential, to regulate the passage of current by said electrical valve in accordance with the relationship between the value of said control potential and the value of said bias potential, whereby said switch is normally held closed when the temperature of said heating element is below a predetermined value determined by said relationship and is opened when the temperature is above the predetermined value, and a cyclic controller for holding said electrically operated switch open for a predetermined interval of time following the opening of said electrical circuit and for closing said switch at the expiration of said interval, whereby the amount of current supplied to said heating element is regulated and said heating element is maintained at a substantially constant temperature dependent upon the adjustment of said manually variable bias potential.

2,455,380
METHOD OF MANUFACTURING PRIMERS
Leo T. Meister, Bradley Beach, N. J.
Application May 7, 1945, Serial No. 592,433
3 Claims. (Cl. 29—162)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



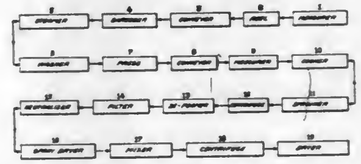
1. That method of manufacturing a primer comprising, positioning a thin-walled thimble of a lead-tin alloy soldering material having a soldering flux on its exterior, within a perforate metallic igniter charge tube having one end closed, expanding said thimble into snug fitting engagement with said tube, and heating said tube and thimble to bring at least the open end of said thimble and the adjacent portion of said tube to soldering temperature, whereby said thimble and tube are rigidly united.

2,455,381
CATHODE ASSEMBLY FOR ELECTRON DISCHARGE DEVICES
Jack A. Morton, Neshanic Station, N. J., and Lawrence J. Speck, Flushing, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 1, 1947, Serial No. 777,312
8 Claims. (Cl. 250—27.5)



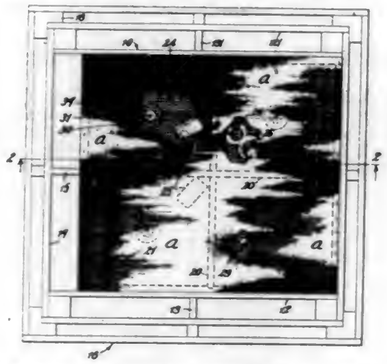
1. An electrode assembly for electron discharge devices, comprising a support member having an aperture therein and having also a plurality of grooves in one face thereof and extending outwardly from said aperture, a cathode extending through said aperture and having an electron emissive face parallel to said one face, and means supporting said cathode from said member, said means comprising arms affixed to said cathode and seated in said grooves.

2,455,382
METHOD OF MAKING A PECTIN PRODUCT
Richard Carl Nelson, Clearwater Beach, Fla., assignor, by mesne assignments, to Juice Industries, Inc., Dunedin, Fla., a corporation of Florida
Application August 18, 1943, Serial No. 499,088
12 Claims. (Cl. 260—209.5)



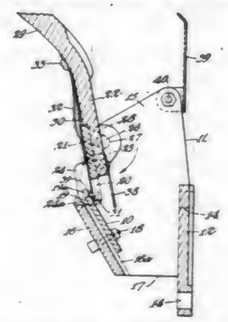
1. A method of making a pectin product comprising extracting from citrus fruit peel an aqueous pectin liquor having a relatively high pectin content, adjusting the pH of the liquor to between about 3.7 and 4.4, and spray drying the pH-adjusted liquor.

2,455,383
SCREEN FOR GYRATORY SIFTERS, SCREENS, OR BOLTING EQUIPMENT
Percy Pickard, London, Ontario, Canada, assignor to Richmond Manufacturing Company, Lockport, N. Y., a corporation of New York
Application September 16, 1947, Serial No. 774,368
6 Claims. (Cl. 209—323)



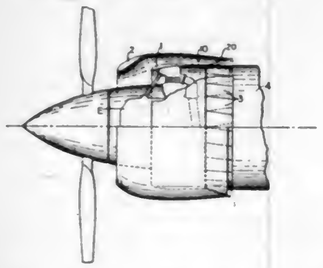
6. A screen for shake sifters and used in conjunction with a freely movable screen cleaner which is moved in engagement with the underside of the screening surface to keep the mesh thereof from blinding, comprising a screening surface, a foraminous cleaner carrier surface for said freely movable screen cleaner arranged below said screening surface, a plate arranged below said cleaner carrier surface, means confining the movement of said cleaner to a predetermined area of said screening surface and cleaner carrier surface, an abutment projecting upwardly from said cleaner carrier surface centrally of said area and adapted to engage said cleaner and drive it toward the outer parts of said area, spacing means below said abutment and interposed between said cleaner carrier surface and plate, and fastening means for said abutment extending through said cleaner carrier surface, spacing means and plate thereby to prevent said cleaner carrier surface from sagging.

2,455,384
PUNCH SHEET RECORD
Worth G. Read, St. Paul, Minn.
Application August 9, 1946, Serial No. 689,492
11 Claims. (Cl. 164—114)



1. In apparatus for making punch sheet records identifying separate units, plates adapted to be fastened to the respective units, each plate carrying a group of sheet cutting members differing in their relative positions on the plate from those of the other plates; housings for the several plates carried by the separate units; a sheet holder adapted to be applied to the several plates and having complementary die members adapted to coact with the cutting members of either of said plates to cut groups of apertures in sheets corresponding in size, shape and relative positions to the groups of cutting members on the plates respectively; means for hingedly connecting the sheet holder to the several housings to permit cutting of sheets by arcuate movement of the holder relative to the cutting members of the several plates, and means for fastening sheets in predetermined fixed cutting position on the holder.

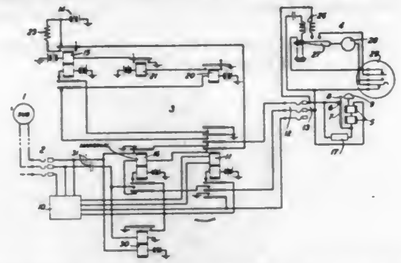
2,455,385
ALTERNATE PASSAGE DOUBLE RING COWL
George S. Schairer, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application February 10, 1943, Serial No. 475,399
9 Claims. (Cl. 244—57)



1. In an aircraft, cowling for a radial air-cooled engine subjected to flow of air thereover by flight of the aircraft, comprising an inner cowl ring closely encircling the outer ends of the engine cylinders, an outer cowl ring encircling said inner cowl ring and spaced outwardly therefrom to leave a passage therebetween by-passing the engine cylinders, and single flow control means operable compensatively to decrease the opening through such by-pass passage and to increase the opening through said inner cowl ring, or alternatively to decrease the opening through said inner cowl ring and to increase the opening through the by-pass passage, for maintaining substantially constant the composite opening through said outer cowl ring for all adjusted positions of said control means, thereby to maintain substantially constant the air flow conditions past the leading edge of said outer cowl ring.

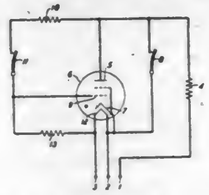
2,455,386
RINGER CIRCUIT
Oscar A. Shann, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 6, 1944, Serial No. 566,807
7 Claims. (Cl. 179—18)

1. In a telephone system, lines, subscriber's station apparatus connected thereto and including ringers having tap gongs, automatic switching means for establishing a connection from a calling station to a called station, impedance means effectively cooperative upon the seizure of one of said lines in operating the associated ringer to tap the gong once, and other impedance means effectively cooperative if the subscriber at the station of the called line does not answer within a certain interval thereafter in causing the first-



mentioned impedance means to automatically change its resistance value whereby the ringer is actuated to tap the gong repeatedly at shorter intervals.

2,455,387
THERMOSTAT-CONTROLLED HEATER CIRCUIT
Theodore E. Sippel, Valley Stream, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1946, Serial No. 700,704
5 Claims. (Cl. 219—20)

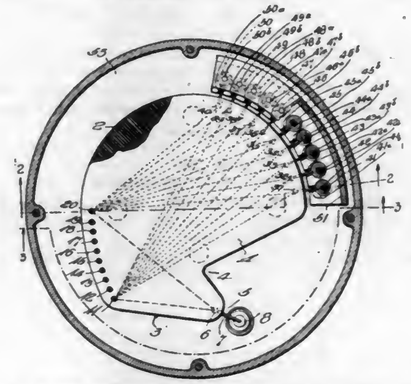


4. A device for controlling temperature comprising a heating element, an electron gas discharge device having an anode, control grid, and cathode, a thermostat connected between the anode and control grid, means to supply pulsating current to said heating element through said gas discharge device under control of said thermostat, an auxiliary thermostat in shunt with said discharge device initially operative to supply alternating current to said heating element in order to bring said heating element quickly into the range of control of said first thermostat, and means to render the tube non-conducting with both thermostats open and conducting when said first thermostat is closed and said auxiliary thermostat is open.

2,455,388
PREPARATION OF 2,2-BIS (P-CHLOROPHENYL) 1,1,1-TRICHLOROETHANE
Adrian C. Smith, Philadelphia, and Julian L. Staubly, Drexel Hill, Pa., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application July 14, 1944, Serial No. 545,002
8 Claims. (Cl. 260—649)

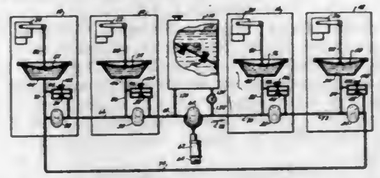
1. A method of producing DDT which comprises condensing chloral with chlorobenzene in the presence of hydrogen fluoride, the quantity of hydrogen fluoride being at least 10 times as great as the quantity of chloral, on a molar basis.

2,455,389
METHOD AND APPARATUS FOR SEPARATING AUDIO FREQUENCIES
Walter Soller, Cincinnati, Ohio, assignor of one-half to William H. Woodin, Jr., San Mateo, Calif.
Application February 14, 1944, Serial No. 522,344
11 Claims. (Cl. 178—44)



1. Apparatus for separating frequencies comprising a massive body of substantially circular contour recessed adjacent one side thereof forming a projecting portion on said massive body, a generator of complex frequencies connected with the projecting portion of said massive body, for setting up compressional waves therein a grating embedded in said massive body in the path of the compressional waves established therein for transmitting compressional waves of selected frequency and establishing individual vibrations at the said frequencies at intervals adjacent the peripheral edge of said massive body substantially opposite said grating, and means connected at spaced intervals with the peripheral edge of said body for reproducing the frequencies isolated from said complex frequencies.

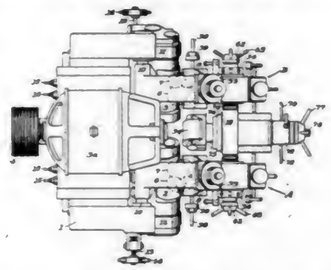
2,455,390
HYDRAULIC MECHANISM FOR SYNCHRONIZING A PLURALITY OF PRIME MOVERS WITH A MASTER PRIME MOVER
John A. Spanogle, Dayton, Ohio
Original application January 15, 1944, Serial No. 518,419, now Patent No. 2,381,934, dated August 14, 1945. Divided and this application May 5, 1945, Serial No. 592,160
1 Claim. (Cl. 60—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a synchronizing system which includes a plurality of power units, a reference unit, a pump drivably connected to each unit, and a mechanically operable speed control device on each unit, the improvement which comprises a series of hydraulic fluid containers each adapted for hydraulic connection to the intake side of a power

unit pump, a flexible diaphragm for each container forming a closure for one side thereof, mechanical linkage means adapted for connecting the diaphragms each to a speed control device for operating the speed control device, a gravity tank for holding reserve fluid for said pumps, said tank being hydraulically connected to both the intake and the discharge side of the reference unit pump, a partition intermediate the top and bottom of said tank, two check valves in said partition, one biased for downflow and the other biased for upflow through said partition, spring means for normally holding said valves closed, and a manually operable valve in the conduit connecting the tank to the discharge side of the reference unit pump.

2,455,391
ROUND STRAIGHTENER
John Blair Sutton, Bellefonte, Pa., assignor to Sutton Engineering Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 25, 1946, Serial No. 705,778
15 Claims. (Cl. 153—60)

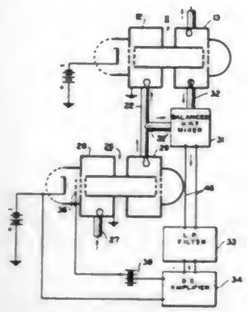


1. In a cross-roll straightening machine having plural three-roll passes and including at least one roll arranged to deflect stock from the passline of the machine; a pass assembly comprising a frame, a primary roll mounted in said frame, two roll-carrying arms pivotally mounted for swinging movement toward and away from each other, means for swinging the said arms, a roll yoke on each said roll-carrying arm, two secondary rolls carried by said roll yokes in opposition to each other and to the said primary roll to form with the primary roll a pass of regulable diameter for the reception of round stock therebetween, and means adjustably mounting each of the said roll yokes in its associated roll-carrying arm for movement of its associated roll toward and away from the center line of the pass independently of movement of the said swinging arm.

2,455,392
ADHESIVES
Eric John Gray Bailey, Welwyn Garden City, Francis M. Page, Newcastle under Lyme, and John C. McGowan, Muswell Hill, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 6, 1947, Serial No. 726,970. In Great Britain February 15, 1946
10 Claims. (Cl. 260—30.4)

1. In the process of preparing gap-filling adhesives containing a synthetic amido-formaldehyde resin which are subject to crazing on drying the step of adding thereto from 2% to 50% by weight based on the amido-formaldehyde condensation product of di(tetrahydrofurylethyl) carbinol.

2,455,393
MODULATED WAVE MODIFYING APPARATUS
Russell H. Varian, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application June 9, 1943, Serial No. 490,132
21 Claims. (Cl. 250—27)



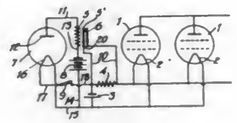
1. Apparatus for removing the modulation of a modulated high frequency wave, comprising a velocity modulation electron discharge device having means for producing a stream of electrons, means energized by said wave for velocity grouping said electrons, and means for extracting high frequency energy from said velocity grouped stream whereby said device has an oscillating input versus output characteristic; and means for causing said extracted energy to have substantially zero percentage modulation, comprising means for adjusting the average amplitude of said modulated energizing wave to a value corresponding to a maximum or minimum of the input versus output characteristic of said device.

2,455,394
ACCELEROMETER
Hugh E. Webber, Williston Park, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application June 29, 1943, Serial No. 492,771
16 Claims. (Cl. 201—63)



4. In an acceleration-sensitive instrument adapted to provide an electrical signal output in accordance with acceleration forces to which it is subjected, an acceleration-sensitive element comprising a closed envelope containing a fluid, an extremely fine electrical resistance element supported within said envelope and wholly immersed in said fluid and directly subjected only to self-generated heat, said resistance element being adapted for energization from a source of electrical energy and said fluid exhibiting sufficient inertia under external acceleration forces as to affect the resistance of said resistance element, and the size of the resistance element and the nature and amount of fluid within the envelope being so selected that movement of the fluid within the envelope caused solely by convection due to heat of the resistance element and by the effect of external forces on the mass of the fluid results in measurable changes in the resistance of the resistance element.

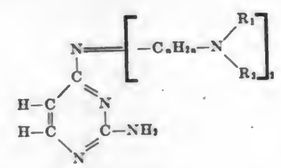
2,455,395
ELECTRONIC CIRCUIT CONTROL AND RELAY THEREFOR
Heinz Hermann Weichardt, New York, N. Y., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware
Application December 8, 1943, Serial No. 513,453
15 Claims. (Cl. 315—101)



1. Means for testing a battery in circuit with one or more vacuum tube filaments and modifying said circuit in accordance therewith, comprising, a resistor in circuit with said battery when the battery is at full voltage, and relay control means responsive to the voltage of said battery for short-circuiting said resistor when the voltage of the battery drops to a predetermined lower value through the use thereof in heating the aforementioned filaments.

2,455,396
ORGANIC NITROGEN COMPOUNDS AND METHODS FOR OBTAINING SAME
Robert Raymond Adams and Harry Stone Mosher, State College, Pa., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application July 19, 1943, Serial No. 495,354
11 Claims. (Cl. 260—251)

1. Compounds of the formula



where n is an integer less than 7, and where R_1 and R_2 are members of the class H, lower alkyl, lower hydroxy alkyl and together a residue constituting, with the nitrogen atom to which they are attached, the radical of an organic saturated 6 membered heterocyclic ring compound having said nitrogen atom in the ring.

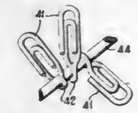
2,455,397
VITAMIN K-ACTIVE COMPOSITIONS
Erhard Fernholz, Princeton, and Stefan Ansbacher, Highland Park, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application July 29, 1939, Serial No. 287,256
4 Claims. (Cl. 167—81)

1. As a medicinal agent for hemorrhagic conditions, a compound of the group consisting of 2-methyl - 1,4 - naphthoquinone, 2-methyl- 1,4-naphthohydroquinone and esters of the latter, in a fatty-oil medium.

2,455,398
MEDICINAL COMPOSITION FOR HEMORRHAGIC CONDITIONS
Stefan Ansbacher, Rockville Centre, N. Y., and Erhard Fernholz, deceased, late of Princeton, N. J., by Mary Briganti Fernholz, administratrix, New York, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Original application July 29, 1939, Serial No. 287,256. Divided and this application December 6, 1945, Serial No. 633,257
5 Claims. (Cl. 167—81)

1. A medicinal composition for hemorrhagic conditions in dosage-unit form, comprising a carrier of the solid type and, as the added active medicament, about 1–4 mg. of an undissolved compound of the group consisting of 2-methyl-1,4-naphthoquinone, 2-methyl-1,4 - naphthohydroquinone, and esters of the latter.

2,455,399
PAPER CLIP
Hugh P. Botts, New York, N. Y., assignor of one-half to Lawrence G. Botts, New York, N. Y.
Application December 16, 1944, Serial No. 568,477
3 Claims. (Cl. 24—81)



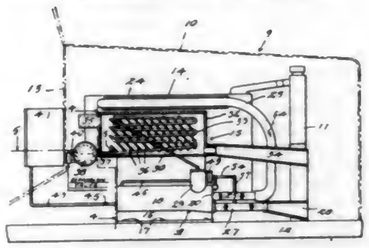
3. A clip device of the class described comprising a plurality of clips, each clip comprising a pair of elongated loops normally disposed one within the other in substantially the same plane, said loops being integrally joined at one end thereof by a third loop disposed in a plane substantially at right angles to the plane of said first named loops and yieldably supporting said first named loops in said plane, and said third loops of adjacent clips being interengaged in maintaining the clips in assemblage.

2,455,400
LAMINATED DRIVING BELT
Harry Brammer, Leeds, England
Application February 4, 1944, Serial No. 521,120
In Great Britain February 17, 1943
7 Claims. (Cl. 74—232)



1. A preformed detachable fastener adapted to be associated with the links of a driving belt without deformation comprising integral shank, base and upturned end portions lying in the same plane, at least said shank and upturned end portions being of substantially the same size and cross-sectional shape, said base portion extending laterally from one end of said shank portion at an obtuse angle and said upturned end portion extending laterally from the end of said base portion remote from said shank portion and in the same general direction as said shank portion and a head on the other end of said shank portion having a surface adapted to bear against a link of the belt, said surface lying on the same side of the shank portion as said base portion, and lying in a plane at an acute angle to the shank portion.

2,455,401
REFRIGERATING UNIT FOR VEHICLES
Philip R. Brause, Casper, Wyo.
Application September 27, 1946, Serial No. 699,795
9 Claims. (Cl. 62—5)

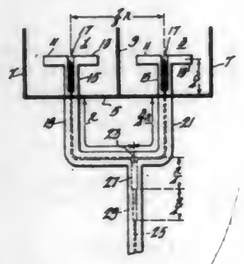


1. In a refrigerating system for motor vehicles, a refrigerator box adapted to be mounted in a portion of the vehicle to be cooled and containing a cooling coil, a reservoir adapted to contain a condensed refrigerant and connected to one end of said cooling coil for supplying the refrigerant thereto, said system being provided with a pair of absorption units, automatically controlled means for alternately heating and cooling said absorption units, condensers disposed above each of the absorption units and in fluid communication therewith, said condensers being connected to said reservoir for supplying the condensed refrigerant thereto, and conduits, provided with check valves, connecting the cooling coil of the refrigerator box to said absorption units for supplying the vaporized refrigerant to the absorption unit being cooled and in which a low pressure area of the system exists, said absorption units being intermittently heated for vaporizing the condensed refrigerant therein for causing the refrigerant to be forced therefrom to the condenser which is connected thereto.

2,455,402
PROCESS FOR PREPARING AQUEOUS DISPERSIONS OF POLYVINYL BUTYRAL
William H. Bromley, Jr., Agawam, Mass., assignor to Shawinigan Resins Corporation, Springfield, Mass., a corporation of Massachusetts
No Drawing. Application October 7, 1947, Serial No. 778,473
7 Claims. (Cl. 260—34.2)

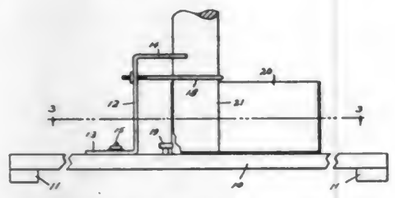
7. A process for preparing a stable aqueous dispersion of polyvinyl butyral resin which comprises reacting a polyvinyl alcohol with butyraldehyde in the presence of a volatile solvent for the polyvinyl butyral, a plasticizer for the polyvinyl butyral, a strong acid catalyst and an organic acid capable of forming a soap, adjusting the volatile solvent content of the resulting product so that not over 10 parts by weight of solvent are present for every 100 parts by weight of polyvinyl butyral and neutralizing the resulting product with an aqueous solution of a strong base to form a dispersion of water in plasticized polyvinyl butyral and finally adding sufficient water to cause the water-in-resin dispersion to invert to a dispersion of resin-in-water, said polyvinyl butyral containing, on a weight basis, not over 30% ester groups calculated as polyvinyl ester, not over 30% hydroxyl groups calculated as polyvinyl alcohol and the balance substantially butyraldehyde acetal, the initial reaction mixture containing at least 5% volatile solvent by weight and 5–80% plasticizer by weight based on the resulting polyvinyl butyral, sufficient organic acid in the range 0.5–30 parts by weight for every 100 parts by weight of polyvinyl butyral so that on neutralization there is sufficient salt thereof to cause the initial water-in-resin dispersion to invert to a resin-in-water dispersion on addition of water and not more than 2% by weight strong acid catalyst calculated as sulfuric acid based on the polyvinyl alcohol content.

2,455,403
ANTENNA
George H. Brown, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 20, 1945, Serial No. 573,724
4 Claims. (Cl. 250—33.65)



1. A directive antenna system including a pair of parallel radiator elements each provided with a plane reflector, a shield between said radiators whereby direct space coupling between said radiators is avoided, transmission lines coupled respectively to each of said antennas and to a common feed line, the lengths of said transmission lines differing by one quarter of the operating wavelength, one of said radiator elements and its associated reflector being spaced from the other along a line normal to the plane of said reflectors a distance such that the maximum response of said antenna system is along said line.

2,455,404
CHRISTMAS TREE HOLDER
William H. Brown and William S. Brown, Bedford, Ohio
Application April 10, 1947, Serial No. 740,616
5 Claims. (Cl. 248—42)

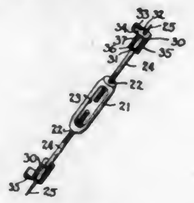


1. In a device of the character described, in combination, a base member having a substantially flat, substantially horizontal upper surface, lower abutment means carried by said base member and projecting above said upper surface, upper abutment means carried by said base member, being transversely and longitudinally adjustable with respect thereto and comprising a lower horizontally extending portion, an upwardly extending portion carried by said horizontally extending portion and an abutment portion carried by said upwardly extending portion and extending horizontally beyond one end of said lower horizontally extending portion, a receptacle supported by said upper surface of said base member and engaging said lower abutment means whereby a Christmas tree trunk or the like may be received in said receptacle and be supported on said upper surface of said base member through the bottom of said receptacle and may be limited in its horizontal motion by engagement against said upper abutment means and against the inner surface of said receptacle adjacent to a point of engagement thereof against said lower abutment means and gripping means carried by said upwardly extending portion of said upper abutment means adapted to engage against said Christmas tree trunk or the like at a point intermediate in height between said lower abutment means and said abutment portion of said upper abutment means to urge said Christmas tree trunk or the like toward said upper and lower abutment means whereby it is held in fixed upright position with respect to said base member and hold said receptacle between itself and said lower abutment means, said receptacle being of a height less than the distance of said gripping means above said base member.

2,455,405
PREPARATION OF MONOCHLOROACETIC ACID
Lawton A. Burrows, Mendenhall, Pa., and Mack F. Fuller, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 17, 1946, Serial No. 703,710
9 Claims. (Cl. 260—531)

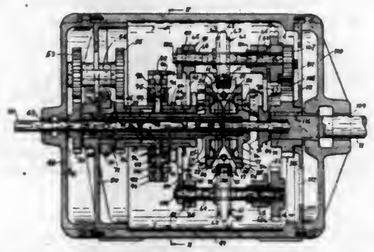
1. A process for the manufacture of monochloroacetic acid, which comprises reacting ethylene chlorohydrin and nitric acid.

2,455,406
STOVEPIPE FASTENER
Earl L. Chadwick, Portland, Oreg.
Application October 18, 1945, Serial No. 623,065
2 Claims. (Cl. 126—318)



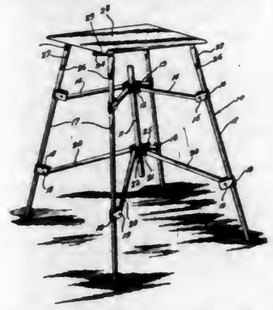
1. A fastener for stove pipes and flue thimbles including a turn buckle having right and left threads, a rod threaded to each end of said turn buckle, a point on each rod, said rod having a flat non-circular portion adjacent said point, and means to connect the pipe end and the flat non-circular portion of each rod to hold said rods against turning as said turn buckle is rotated to extend the rods to pierce the pipe and thimble, said means comprising a clip to fit over the pipe end, and having a bent strip extending radially inwardly therefrom and said bent strip which is rebent into a rectangular form having openings in the sides thereof through which said rod extends, one of said openings being non-circular and shaped to receive and limit the turning movement of said flat non-circular portion of said rod.

2,455,407
VARIABLE-SPEED TRANSMISSION
John Louis Christmann, Passaic, N. J.
Application February 21, 1947, Serial No. 729,977
19 Claims. (Cl. 74—286)



1. In a variable speed transmission having a driving and a driven shaft, a sprocket engaging endless member disposed around an axis and having elements for meshing with the teeth of a sprocket, support means having circumferences coaxial of said axis and of different diameters for supporting and holding sections of said endless member upon selected circumferences of selected diameters through said axis, a bracket rotative about said endless member and about said axis, drive means connecting said driving shaft and said bracket for rotating said bracket, clamp means on said bracket for engaging a section of said endless member against said support means at a selected diameter whereby rotations of said bracket will cause said clamp means to travel around said support means and engage all sections of said endless member progressively around said selected diameter, said clamp means having an axis spaced from said sections of said endless member at said selected diameter, means for adjusting said support means for selecting a circumference of said support means for said endless member, means for adjusting said bracket for causing said clamp means to maintain a section of said endless member against said support means for all adjusted positions of said support means, a driven sprocket mounted on said clamp means coaxial of said axis of said clamp means and engaging said endless member at said selected diameter, and drive means connecting said driven sprocket and said driven shaft.

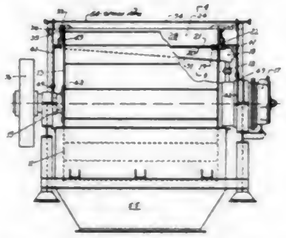
2,455,408
PORTABLE PROJECTOR TABLE
Henry L. Daniels, Kell, Ill.
Application December 12, 1945, Serial No. 634,567
2 Claims. (Cl. 311—79)



1. A folding table comprising a table top, a group of legs having adjustable sockets at their

upper ends, a group of arms pivoted to the legs near the sockets, said arms lying along axes which lie in convergent planes, a center post pivoted adjacent its upper end to the convergent ends of the arms, a sleeve mounted on the center post to slide longitudinally thereof below the convergent ends of the arms, a second group of convergent arms pivoted at their convergent ends to the sleeve and at their divergent ends to the legs, said second group of arms being movable through arcs which lie in convergent planes coincident with the arcs in which the first group of arms move and spaced studs pivoted to the underside of the table top to swing in arcs which lie tangent to the center post, said studs being received in the sockets when the table is erected.

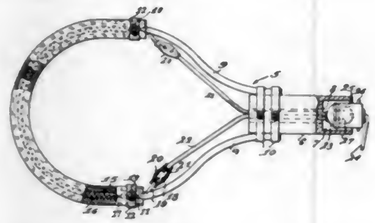
2,455,409
ROTARY FILTER
George D. Dickey, New York, N. Y., assignor of one-half to Henry M. Hunter, New York, N. Y.
Application September 21, 1945, Serial No. 617,770
11 Claims. (Cl. 210—199)



1. A continuous rotary hopper dewaterer of the vacuum type comprising: a rotatable drum to which vacuum is applied; a filter medium on the surface of the drum; end walls on the drum extending beyond the periphery thereof and cooperating therewith to define an annular outwardly open peripheral channel; a series of radial partitions extending across the channel at spaced peripheral intervals to divide it into a series of outwardly open hoppers, said partitions being mounted at opposite ends upon opposed walls for movement into and out of hopper forming engagement with the drum; yieldable means connecting each end of each partition to the adjacent end wall and yieldably urging the partitions toward and holding them in said hopper forming engagement; and means for moving the partitions out of said hopper forming engagement with the drum as they successively enter a predetermined zone in the cycle of drum rotation and for holding them out of such engagement over a predetermined angle of drum rotation.

7. A continuous rotary hopper dewaterer of the vacuum type wherein, during each rotation of the dewaterer, successive points of its periphery pass through feeding and vacuum application zones to form a filter cake and then through a filter cake removal zone, comprising: a squirrel cage arrangement of axially extending peripherally spaced cross bars connected together by peripherally extending axially spaced arcuate end bars, each adjacent pair of peripherally spaced cross bars and axially spaced end bars cooperating with each other to form a peripheral opening and being recessed to form a seat around the opening; an endless succession of arcuate screens engaging the bars and cooperating therewith to form a segmental filter drum, each screen being positioned on a seat to extend over the adjacent opening; a pair of radial end walls connected to the ends of the drum and cooperating therewith to form a drum assembly having outwardly open endless channel, the bight of which is formed by the periphery of the drum; a rotatable supporting mechanism for the drum assembly, the mechanism including means for enclosing the space underneath each drum segment to form a filter compartment which is arranged for connection to a suction line during its travel through the vacuum application zone; a sheet of filtering material wrapped around the bight of said channel; a pair of axially spaced end clamping bands encircling the wrapped filter material for sealing it along its opposite end margins and for removably clamping it to the drum; a series of radial partitions dividing the channel into a series of outwardly open hoppers, each partition being arranged between the adjacent ends of a pair of drum segments to extend from one end wall to the other in radial alignment with the adjacent cross bar so as to position one hopper over each screen.

2,455,410
ELECTRIC BRANDING IRON
Charles E. Farrar, Sidon, Ark.
Application October 17, 1947, Serial No. 780,321
1 Claim. (Cl. 219—30)

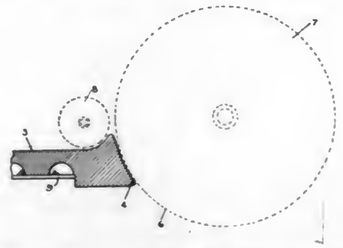


An electrical branding iron comprising a handle of electrical insulating material having supporting arms secured to and projecting from one end thereof, a hollow tube of a heat conducting material shaped to form a brand, clamping means for connecting spaced portions of said branding tube to said arms, remote from the handle, an electric resistance wire having a coiled portion disposed within said tube and having uncoiled end portions projecting from the ends thereof, an electric plug mounted in the outer end of said handle and electrically connected to the uncoiled ends of said resistance wire and adapted to be detachably connected to a source of electric current for energizing the resistance wire for heating said branding tube, and said handle being formed of wood and having a recessed outer end for accommodating said electric plug and a bore extending from its inner end to said recess, providing a conduit for an electrical conductor.

2,455,411
PROCESS FOR THE TREATMENT OF IRON IN ORDER TO OBTAIN A CLEAN METALLIC SURFACE
Francisco Ambrosio Ricardo Franchi, Villa Christa, La Rosiaz, near Lausanne, Switzerland
No Drawing. Application September 19, 1945, Serial No. 617,439. In Switzerland February 23, 1945
5 Claims. (Cl. 134—3)

1. A process for the treatment of iron in order to obtain a clean metallic surface, in which the iron to be treated is reacted for 5 to 30 minutes in an acid bath composed of by weight 3 to 9 parts of nitric acid, 31 to 33 parts of muriatic acid, 10 to 20 parts of sulphuric acid, 5 to 12 parts of hydrogen sulphide, 1 to 7 parts of sodium acetate and 2 to 9 parts of a compound from the group consisting of potassium hydrogen phosphate (K_2HPO_4) and potassium ortho phosphate (K_3PO_4) for 100 parts of water, is then withdrawn from said acid bath and immersed in an alkaline bath.

2,455,412
FEED PLATE
John Lee Fonville and Alexander Edward Barneycastle, Burlington, N. C., assignors to Celanese Corporation of America, a corporation of Delaware
Application October 2, 1945, Serial No. 619,804
1 Claim. (Cl. 19—105)



A feed plate for a carding machine having a lickerin, said feed plate having an upper plane surface and a bottom surface adapted to be supported on the carding machine, and a nose on said feed plate extending above the upper plane surface thereof and below the bottom surface thereof, said nose having its entire surface adjacent to said lickerin substantially concentric with the latter, whereby accumulation of fibers between the nose and the lickerin is prevented.

2,455,413
CALCIUM PHOSPHATE PHOSPHOR
Herman C. Froelich and Joseph M. Margolis, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
No Drawing. Application July 15, 1946, Serial No. 683,786
3 Claims. (Cl. 252—301.4)

1. A fluorescent material consisting of calcium phosphate activated by both cerium and thorium, and characterized by the emission of long wavelength ultraviolet radiations when excited by ultra-violet radiation of 2537 Å. wavelength, the cerium being present in an amount of approximately 1–20 per cent by weight of the calcium phosphate and the thorium in an amount of approximately .01–20 per cent by weight of the calcium phosphate.

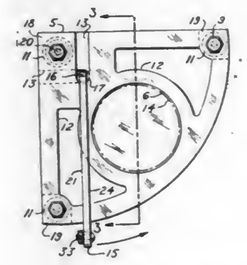
2,455,414
ALUMINUM PHOSPHATE PHOSPHOR
Herman C. Froelich and Joseph M. Margolis, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
No Drawing. Application July 15, 1946, Serial No. 683,787
2 Claims. (Cl. 252—301.4)

1. A fluorescent material consisting of aluminum phosphate activated by both cerium and thorium, the cerium content being approximately 12–25% Ce_2O_3 and the thorium content being approximately 0.2–15% ThO_2 and characterized by the emission of longer wave length ultraviolet radiations when excited by ultraviolet radiation of 2537 Å. wave length.

2,455,415
ULTRAVIOLET EMITTING MAGNESIUM PYROPHOSPHATE PHOSPHOR
Herman C. Froelich, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application April 15, 1947, Serial No. 741,692
3 Claims. (Cl. 252—301.4)

1. A phosphor consisting essentially of magnesium phosphate of pyrophosphate composition activated by both cerium and thorium in amounts of about .001–25% Ce_2O_3 and .001–15% ThO_2.

2,455,416
DEVICE FOR SLICING EGGS INTO LAYERS
Joseph W. Harbanoff, New York, N. Y.
Application February 3, 1947, Serial No. 726,151
1 Claim. (Cl. 146—147)



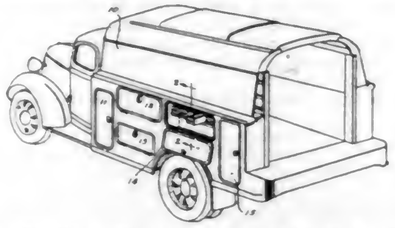
A food slicer comprising a plurality of plates of substantially the same form, each of said plates having a corner and two other corners equidistant therefrom, straight edges joining the first-mentioned corner with said two other corners and a circular edge joining said two other corners with each other, a plurality of spacers located at said corners and maintaining said plates uniformly spaced one directly above the other, bolts extending through said spacers and said corners of the plates, those of said plates which are located above the lowermost plate having a substantially central opening formed therein for receiving food to be sliced, each of said plates having a slot formed therein and extending close to the first-mentioned corner from one of said straight edges and parallel to the other straight edge, the location of at least one of said plates being reversed in relation to other plates so that the walls of the slot thereof extend transversely to the walls of the slots of said other plates, a cutting frame having a pivotal portion extending through said slots, an outer portion located beyond said circular edge and extending parallel to said pivotal portion, and transverse portions joining said pivotal and outer portions and extending on opposite sides of said plates, whereby said cutting frame is swingably mounted in said slots, and cutting elements carried by said pivotal and outer portions and moving between said superposed plates and across said central opening when said cutting frame is swung.

2,455,417

VEHICLE BODY TOOL COMPARTMENT CONSTRUCTION

James H. Holan, Rocky River, and Herman J. Troche, Cleveland Heights, Ohio, assignors to The American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio

Application January 1, 1945, Serial No. 570,928
1 Claim. (Cl. 296—24)



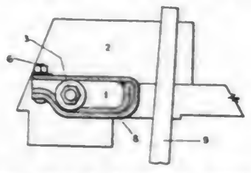
A vehicle body having a tool carrying compartment in the side wall thereof and an opening therein providing access to the compartment, a closure adapted to close the opening, said compartment having a top, bottom, back, and end walls, there being a front wall in which said opening is located, a substantially horizontal supporting member in the upper portion of the compartment extending between the end walls and forwardly from the back wall and terminating short of said opening, whereby substantially the full area of the opening is available for the passage of articles adapted to be held in said compartment below said horizontal member, said member having an upwardly extending flange extending across the forward edge thereof, and one or more containers adapted to be supported on said member and each held in place thereon by said flange, the distance between the top of the flange and the top wall of the compartment being greater than the depth of the container, whereby each container may be withdrawn through said opening when lifted over the flange, the length and height of each container being so proportioned with respect to the length of said supporting member and to the distance between the flange and the front of the compartment and to the distance between the flange and the top of the compartment that each container may be suspended in various tilted positions with a portion thereof disposed outside the opening into the compartment, while the topmost portion adjacent the inner end of the container engages the top of the compartment, whereby each container may be supported in a position accessible for the insertion of articles thereinto or removal of articles therefrom.

2,455,418

LOOM BUMPER

Mack Henry Holcombe, Scottdale, Ga.

Application February 18, 1946, Serial No. 648,317
1 Claim. (Cl. 139—166)



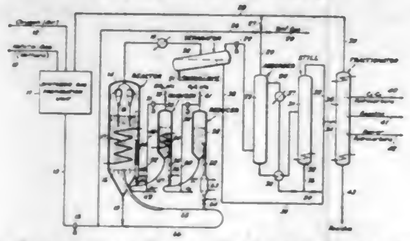
In a loom having a picker stick, a picker stick bumper comprising a cast iron body having top, bottom and end portions, a plurality of layers of leather carried by said body, at least one of said layers covering the top, bottom and one end portion, there being a plurality of layers covering said one end portion, the body being secured to the loom in such position that said one end portion is struck by the picker stick at the end of its inward movement.

2,455,419

SYNTHESIS OF HYDROCARBONS AND REGENERATION OF SYNTHESIS CATALYST

Everett A. Johnson, Park Ridge, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application October 11, 1944, Serial No. 558,117
15 Claims. (Cl. 260—449.6)



1. In a process for synthesizing hydrocarbons from carbon monoxide and hydrogen the improved method of operation which comprises contacting a carbon monoxide-hydrogen mixture in a synthesis zone under synthesis conditions with an iron-type catalyst maintained in a dense turbulent suspended phase, withdrawing a portion of the iron catalyst directly from said dense phase and introducing said withdrawn catalyst to an oxidizing zone, passing an oxidizing gas upwardly in said oxidizing zone at such velocity as to maintain catalyst therein in dense turbulent suspended phase at a temperature of at least about 700° F. whereby oxidation is effected, removing catalyst from the dense phase in the oxidizing zone and introducing it into a reducing zone, passing a reducing gas upwardly through said reducing zone at such velocity as to maintain the catalyst in a dense turbulent suspended phase and at a temperature effective for reducing said catalyst and returning reduced catalyst from the dense phase in the reducing zone back to said synthesis zone.

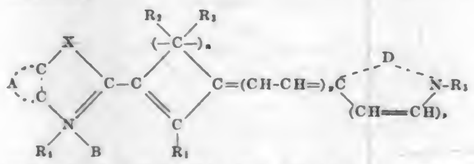
2,455,420

CYANINE DYESTUFF

John David Kendall, Harold Gordon Suggate, and Henry Walter Wood, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company

No Drawing. Application January 8, 1942, Serial No. 426,098. In Great Britain January 17, 1941
12 Claims. (Cl. 260—240)

10. Unsymmetrical dyestuffs of the general formula:



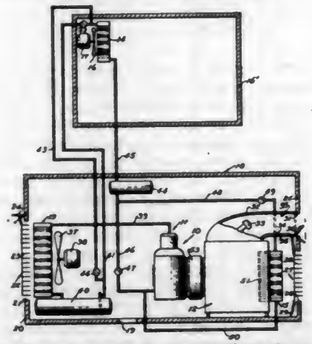
wherein A constitutes the atoms necessary to complete a benzene ring with the two carbon atoms attached to the cyclic atoms X and N respectively, and form an aromatic hydrocarbon nucleus, and X is an atom selected from the class consisting of the oxygen, sulphur and selenium atoms, R_1, R_2 and R_3 are selected from the class consisting of hydrogen atoms and hydrocarbon groups and n is a small integer greater than 1, R_4 and R_5 are groups selected from the class consisting of alkyl and aralkyl groups, y is selected from the class consisting of nought and small positive integers, z is selected from the class consisting of nought and one, B is an acid residue and D is the residue of a heterocyclic nitrogen compound of the type used in cyanine dyes, the heterocyclic ring of which D forms a part being different from that of which x forms a part.

2,455,421

CONTROL MEANS FOR AIR CONDITIONING APPARATUS

Henry O. Kirkpatrick, Detroit, Mich., assignor to Advance Manufacturing, Inc., Detroit, Mich., a corporation of Michigan

Application June 3, 1946, Serial No. 673,991
8 Claims. (Cl. 62—6)



1. An electric control circuit for air conditioning apparatus having a refrigerant compressor, a condenser for the compressed refrigerant, a heat exchange unit having a fluid connection with the low pressure side of the compressor, an expansion valve in the fluid connection between the condenser and evaporator, means for forcing air through the condenser to condense the refrigerant passing therethrough, said means including a fan and an electric motor for operating the fan, a normally closed valve controlled bypass extending around the expansion valve, said control circuit comprising a switch for the motor, a solenoid operatively connected to the bypass valve, a master switch operable to energize the solenoid to open the bypass valve, and means for opening the fan motor switch in response to operation of the master switch to open the bypass valve.

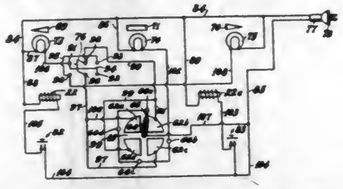
2,455,422

SCORING DEVICE FOR TABLE TENNIS

Howard H. Kucks, Rockville Centre, N. Y.

Application April 2, 1947, Serial No. 738,993
6 Claims. (Cl. 177—384)

1. A scoring device comprising a housing including a front wall and having a shaft rotatably mounted therein, a pair of spaced shafts mounted in said housing parallel with said first shaft, means for selectively rotating said pair of shafts intermittently, means connecting said pair of shafts with said first shaft for imparting selective intermittent rotation of said pair of shafts, additively to said first shaft, said pair of shafts having pointers thereon, said housing having a pair of electric lamps therein, said housing having a support of insulating material mounted parallel with said front wall, said first shaft extending rotatably through said support, said supports having a metallic disc mounted thereon concentric with said first shaft, said disc being composed of four circumferentially spaced quadrants, said first shaft having a radial contact finger in frictional contact with said disc, a lead



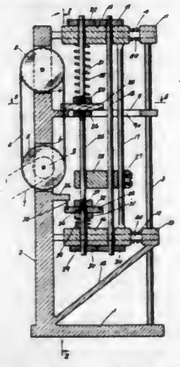
in connector containing two conductors having one of said conductors connected to said first shaft, leads connecting the other of said conductors to one terminal of each of said lamps, leads connecting the other terminal of one of said lamps with one pair of diametrically opposed quadrants of said disc, and leads connecting the other terminal of the other of said lamps with the other pair of diametrically opposed quadrants of said disc, said lead in being adapted to be connected to an electric outlet.

2,455,423

AUTOMATIC BAND SAW MACHINE

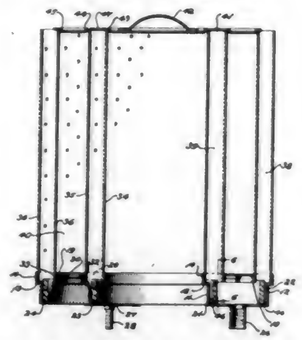
Charles B. Lansing, Geauga County, Ohio

Application March 14, 1945, Serial No. 582,657
9 Claims. (Cl. 144—145)



1. In a band saw machine, in combination, a supporting frame, a vertically disposed band saw mounted on the frame, a carrier carried by the frame and comprising an upper head and a lower head, horizontal guide members on the frame and engaging the said heads, means intermediate the carrier and frame normally urging the carrier to move in the direction of the saw, a vertical driving shaft mounted on and movable with the carrier, master cam and work holding complemental shaft means parallel to the driving shaft and supported to move with the carrier, a driving connection between the driving shaft and the complemental shaft means and a work guide member on the frame coacting with the master cam to move the complemental shaft means toward and from the saw during rotation of said last shaft means.

2,455,424
PERFORATED COMBUSTION TUBE DISTILLATE BURNER
Gabriel Z. Levine, West Hartford, Conn., assignor to Barridon Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application May 20, 1947, Serial No. 749,245
1 Claim. (Cl. 158—88)

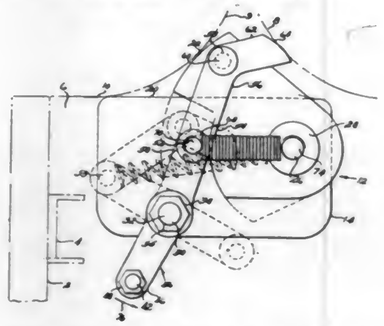


A distillate multiple burner including a one piece stamped steel base having a central opening and provided with inner and outer annular walls extending upwardly therefrom, said walls having laterally offset aligned shoulders and terminating in upwardly extending annular flanges, the bottom of the base between the inner and outer walls having circumferentially spaced raised arcuate portions provided with elongated chimney openings, each of said openings being enclosed by an upwardly extending flange spaced from the opposite sides of the top of its raised portion to form supporting shoulders in horizontal alignment with the shoulders on the inner and outer walls, said raised portions being spaced from the inner and outer walls to form with the bottom of the burner an inner annular groove and a concentric outer groove, the space between adjacent raised portions forming radial passages for communicating the inner and outer grooves with each other, the bottom of said radial passages being depressed to be positioned below the bottom of the grooves, wicks in said grooves and spaced from the bottom of said passages to allow the free flow of oil from the passages into the grooves, a removable cover plate spaced from said inner and outer annular walls and having spaced depending flanges overlapping and in vapor sealing engagement with the flanges on said raised portions, said plate extending over said radial passages to prevent escape of vapor therefrom and having arcuate slots provided with depending flanges in vapor sealing engagement with the inner side walls of said chimney openings, means for supplying oil to said base, and concentric spaced perforated shells mounted on said shoulders so as to be firmly supported to the base.

2,455,425
PRODUCTION OF NITROPARAFFINS
Norman Levy, Charles William Scaife, and Dorothy Shaw Turner Bryson, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 18, 1946, Serial No. 684,554. In Great Britain July 30, 1945
2 Claims. (Cl. 260—644)

1. A process for the production of 2,2-dinitropropane and 1,2-dinitro-isobutane which comprises heating at a temperature within the range 190°–300° C. isobutane with nitrogen dioxide in the vapour phase, the volumetric ratio of nitrogen dioxide to hydrocarbon in said gas being about 2:1.

2,455,426
SAFETY STOP FOR BARRELS
Edmund C. Livingston, Rehoboth, Mass.
Application September 6, 1946, Serial No. 695,259
2 Claims. (Cl. 193—40)



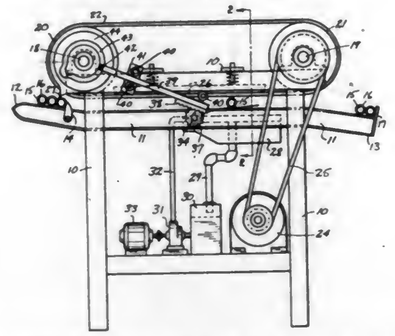
1. A safety stop comprising a base plate adapted to be secured to a barrel track with no portion thereof extending above said track, a cam member pivoted on said base plate and having a stop portion thereof normally extending above said track to block passage of a barrel off said track, a pair of toggle levers pivotally connected to each other, the first lever being pivoted on said base plate and having an extended trip arm, the second lever being pivoted intermediate its ends on said cam member and having an extended release lever portion extending above said track for being engaged by a barrel being rolled onto said track, resilient means biasing said toggle levers into track blocking locked position, whereby a barrel being rolled onto said track will bear against said release lever portion, depressing it and rotating said toggle levers to unlocked position, whereby said cam member is carried to a position below said track to unblock the track, said extended trip arm of the first lever being adapted for being manually actuated to unblock the track when desired.

2,455,427
PROCESS FOR IMPREGNATING WOOD AND COMPOSITION THEREFOR
William Karl Loughborough, Madison, Wis., assignor to United States of America as represented by the Secretary of Agriculture
No Drawing. Application March 9, 1945, Serial No. 581,821
6 Claims. (Cl. 117—148)
(Granted under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for seasoning refractory wood comprising soaking the wood in an aqueous solution containing urea and formaldehyde in the relative molal proportions of about 6 to 4, respectively, said solution being buffered to a pH in the range of about pH 8 to about pH 10.5, followed by drying the treated wood.

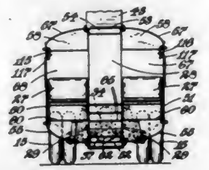
4. As a composition for the chemical seasoning of wood an aqueous solution of 40 to 60 percent by weight of a mixture of urea and formaldehyde in the relative molal proportions of substantially 6 to 4, respectively, said solution being buffered to a pH in the range of substantially pH 8 to 10.5.

2,455,428
COATING MACHINE
Fred W. Love, Youngstown, and Clarence E. McCormick, Poland, Ohio, assignors to Lee Rubber & Tire Corporation, Youngstown, Ohio, a corporation of New York
Application June 25, 1946, Serial No. 679,146
3 Claims. (Cl. 91—18)



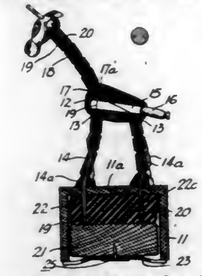
1. In a device for applying an adhesive coating to the outer edge of a wire wound on a mandrel and including tracks over which the mandrel may be rolled, a pan disposed between the tracks and at least one pair of pulleys and a belt trained thereover for engaging the said mandrel and rolling it along said tracks, a supply of adhesive in the said pan and a rotatable shaft positioned transversely of said pan, a plurality of relatively long thin flexible reeds affixed to said shaft and extending outwardly therefrom and means for rotating the said shaft first in one direction and then the other so as to move the reeds into the said adhesive for coating the same and for elevating the said coated reeds for partial draining and maintaining the said flexible reeds in elevated position while the wire wound mandrel is moved thereover by the said track and belt.

2,455,429
VEHICLE BODY
René Lucien, Farnham Common, England
Application May 11, 1944, Serial No. 535,128
In Great Britain March 15, 1943
3 Claims. (Cl. 296—28)



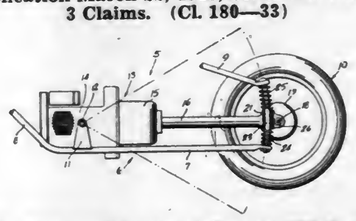
1. A wheeled road vehicle having an elongated body shell constructed of sheet metal and comprising a main beam-like structural member in the form of a tube of cruciform cross-section for substantially its entire length, the supporting means for said body disposed adjacent the ends thereof leaving the long intermediate portion of the body unsupported except by the self-sustaining beam structure of the body itself, the vertical arms of the cruciform cross-section of the body enclosing a central passageway for the vehicle, and the laterally extending arms providing space for the pay load, the top and bottom walls of the central space provided by the vertical arm of the cruciform cross-section of the body being hollow and box-like in section to provide spaces extending substantially the length of the vehicle.

2,455,430
ANIMATED TOY
Christopher Luckhaupt, Jamaica, N. Y.
Application April 6, 1946, Serial No. 660,217
1 Claim. (Cl. 46—119)



A toy comprising a figure having a plurality of articulated engaging elements provided with communicating perforations; a hollow base supporting said figure on its top, said base having perforations in its top communicating with the element perforations and having an open bottom; a block of non-yielding material having lesser horizontal dimension than the interior of the base whereby it is displaceable and tiltable therein; a member of flexible material secured at its periphery adjacent the open bottom of said base; means for attaching said flexible member centrally to said block of non-yielding material; an elastic member of sponge rubber interposed between said block and the inner face of the top of said base; said member having vertical perforations aligned with the perforations of the top of the base and having horizontal dimensions such that it substantially fills the base; and string means having one end thereof secured to said block and extending through the perforations of said sponge rubber member and of the top of said base and thence through the perforations of the articulated elements and having its other end fixedly secured to an upper portion of said figure, said sponge rubber member normally tensioning said string means, and said block being operative to vary the tension of said string means.

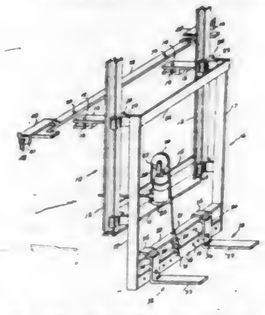
2,455,431
ENGINE MOUNTING AND DRIVE WHEEL SUSPENSION FOR MOTORCYCLES
Robert A. MacGregor, Olney, Ill.
Application March 22, 1946, Serial No. 656,252
3 Claims. (Cl. 180—33)



1. A motorcycle, comprising an upper and a lower frame member, a unitary power plant including a drive wheel having its axis positioned between said frame members adjacent the rear ends of said frame members, an engine having a drive shaft extending therefrom and gear means directly connecting the outer end of the drive

shaft with said drive wheel, a housing carrying said drive wheel and enclosing said engine, drive shaft, and gear means, and holding said engine, drive shaft, gear means, and drive wheel rigidly relative to one another, a horizontal transverse pivot in the same horizontal plane as the drive shaft and connected to said power plant at a point remote from the outer end of the drive shaft whereby said power plant can swing as a unit in a vertical plane relative to the motorcycle frame, and a guide connected between the said upper and lower frame members adjacent the rear ends thereof and effectively connected to said housing, for guiding and cushioning the movement of said power plant on the axis of said pivot as said drive wheel rises and falls in response to inequalities in a road surface.

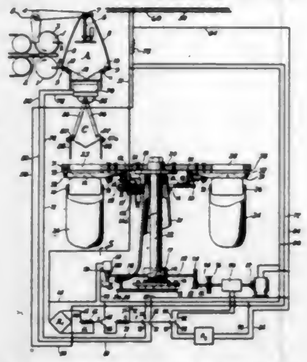
2,455,432
TRACTOR TIRE LIFT
Melvin B. Martin, Piqua, Ohio
Application February 7, 1947, Serial No. 727,084
4 Claims. (Cl. 214—113)



1. A tire lift including a main frame and a lifting frame slidably supported by the main frame, the main frame comprising a bottom bar, a pair of eye beams secured to and extending upwardly from the ends of the bottom bar, and a stiffener bar secured to both eye beams, the lifting frame comprising C-shaped guide members slidably engaging the rear flanges of the eye beams of the main frame, two side bars to which the C-shaped guide members are secured, a top stiffener bar secured to the top ends of the side bars, a lifting bar secured to the lower ends of the side bars and a slide bar secured to the side bars at a distance above the lifting bar, a jack securely mounted on the bottom bar of the main frame, a sheave rotatably mounted in the bifurcated upper end of the ram of the jack, a cable trained over the sheave, one end of the cable secured to the bottom bar of the main frame and the other cable end secured to the lifting bar, and a pair of angular lifting arms having open guideways formed on its upwardly extending portions adapted to engage the slide bar slidably, the rearwardly extending portions being adapted to receive and support tires thereon.

2,455,433
LOADING AND PACKAGING DEVICE
Morris Matsen, Wilmington, Del., and Earl R. Jones, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 22, 1944, Serial No. 569,342
7 Claims. (Cl. 249—55)

7. A loading device which comprises a pedestal; a rotatable table supported by said pedestal having openings therein; a motor and means for operatively connecting the motor and table; means for suspending a packaging receptacle beneath each of said openings in the table comprising scale arms to which said receptacles are attached, said scale arms being carried by said table and being mounted to rotate therewith; a pilot circuit connected to a source of power; a normally open pilot switch in said circuit; means on said scale arms for operating the pilot switch when a scale arm and its attached receptacle are in loading position and the receptacle is loaded; a pair of movable contact members which are carried by said table and are normally in said pilot circuit when a receptacle is in loading

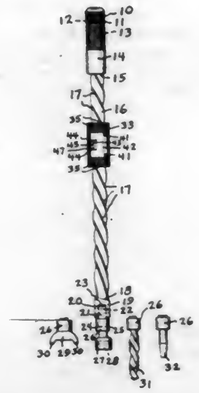


position; a pair of fixed contact members carried by said pedestal normally in said pilot circuit when a receptacle is in loading position; a normally open motor circuit connecting the motor and a source of power; means for temporarily interrupting the delivery of objects to packaging receptacles when an unloaded receptacle is being brought into loading position; electro-magnetic means for operating said temporary interrupting means; a circuit for connecting said electro-magnetically operated means to a source of power; and means activated when the pilot switch is closed for closing the motor circuit and the circuit to said electro-magnetically operated means; and means for opening said circuits when a receptacle is brought into loading position.

2,455,434
UNIVERSAL SPEED WRENCH
Nordal Mikelson, Yankton, S. Dak.
Application March 24, 1947, Serial No. 736,878
1 Claim. (Cl. 74—127)

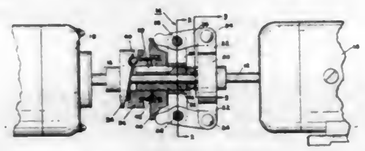
A tool of the character described, comprising a handle, a lengthened rod having a spiral thread thereon, a further handle engaged with said spiral thread adapted to move said rod in selected direction during reciprocating motion thereof along said rod, said further handle including means for controlling direction of power applied to said rod including a pair of stationary ratchet members attached to said further handle, a rotatable ratchet member received in said further handle member, said spiral thread engaged with said rotatable ratchet member, means for locking said rotatable ratchet member with either of said stationary ratchet members as desired to provide selected direction of rotation of the tool, including a guide plate engaged with said rotatable ratchet member, said further handle including notches, said guide plate including an extended pin received in any of said notches, end notches providing means for securing said rotatable

ratchet against either of said stationary ratchets, one of said notches providing a neutral notch, said neutral notch providing means for maintaining said rotatable ratchet out of engagement with either of said stationary ratchets, means for securing said normally rotatable ratchet against



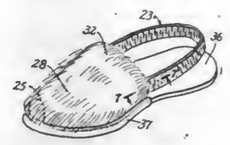
rotation to provide rotation in both directions of the tool during reciprocating action of said further handle, said means including a spring clip adapted to snugly receive said further handle member, a pin attached to said spring clip, openings in said further handle and said normally rotatable ratchet for receiving said pin.

2,455,435
TORQUE AND SPEED RESPONSIVE MECHANISM
Joseph Nader and Joseph F. Mailander, Glen Ellyn, Ill.
Continuation of application Serial No. 500,958, September 2, 1943. This application April 4, 1945, Serial No. 586,508
9 Claims. (Cl. 192—54)



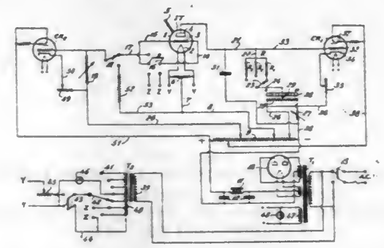
1. A torque and speed responsive mechanism comprising a driving shaft, a driven shaft, a drum supported by said driving shaft, a cam member secured to the driven shaft and having a cam face at an oblique angle to the axis of said shaft, a sleeve supported by said driven shaft, a second cam member secured to said sleeve and having an oblique face cooperating with the first said cam face, a yoke extending radially from said sleeve, levers pivotally supported by said yoke, shoes mounted at the ends of said levers for engagement with said drum, a conical shaped cam member secured to said sleeve in engagement with the other ends of said levers, and means intermediate the second named cam member and the conical shaped cam member for urging said shoes into firmer contact with said drum.

2,455,436
FUR-COVERED SHOE VAMP
George Naidor, Gouldsboro, Pa.
Application June 28, 1947, Serial No. 757,849
1 Claim. (Cl. 36—45)



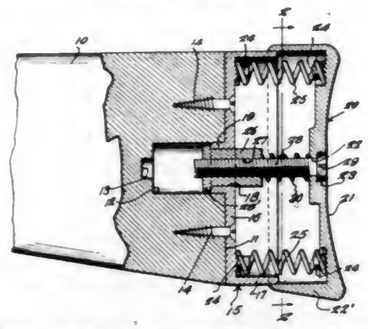
A fur-covered shoe vamp comprising a base of vamp shape having a transverse rear edge, a crescent-shaped piece of fur secured to said base with its concave edge facing rearwardly and spaced appreciably forwardly of said transverse rear edge, the fur hairs concealing the front and side edges of said base, and a complementary substantially straight strip of fur having the fur side of one longitudinal edge secured to the underside of said transverse rear edge substantially throughout the length thereof, said strip extending forwardly to overlap at least the pointed end regions of said crescent-shaped piece and to overlie the rear part of said base, the fur hairs of said fur piece and fur strip merging with each other transversely across the vamp.

2,455,437
IONIZATION GAUGE CIRCUITS
Gerhard R. Nagel and Merriam E. Johnson, Rochester, N. Y., assignors to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application November 13, 1943, Serial No. 510,186
1 Claim. (Cl. 175—183)



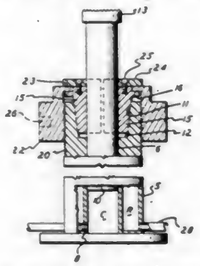
In a system of the type described, in combination, an ionization tube having a cathode, an anode and a positive ion collector plate, an anode circuit connecting said anode and said cathode and including a resistor and a source of unidirectional potential, means for varying the flow of current in said anode circuit, a positive ion current circuit connecting said collector plate and said cathode and including in series a resistance unit, a variable source of unidirectional potential having a polarity opposite to that of the voltage generated across said resistance unit by the flow of positive ion current therethrough, two cathode ray tubes each having a grid circuit, means for connecting the grid circuit of one of said cathode ray tubes across the resistor in said anode circuit and means for connecting the grid circuit of the other of said cathode ray tubes across the portion of said positive ion current circuit including said resistance unit and said variable source of unidirectional potential.

2,455,438
RECOIL ABSORBER FOR FIREARMS
Harry Edward Oppold, Sterling, Ill.
Application August 26, 1946, Serial No. 693,047
1 Claim. (Cl. 42—74)



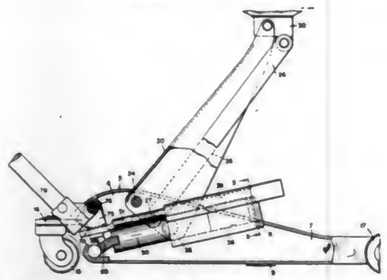
A butt plate for a gun stock comprising a base plate, a perpendicular guide flange on said plate at its perimeter, said base plate having a centrally located rectangular opening extending therethrough, a rectangular internally screw threaded bushing slidably mounted in said rectangular opening, a stop flange on the bushing adjacent the face of the base plate remote from the guide flange, a shoulder plate, a perpendicular guide flange on the shoulder plate at its perimeter, said flange on the shoulder plate telescopically receiving the flange on the base plate to form a chamber between the plates, compression coil springs within the chamber bearing on the plates yieldingly to urge said plates apart, a headed screw extending through the center of the shoulder plate and threadedly engaging the threads in the bushing to hold the plates together against the effort of the springs, a compression coil spring surrounding the screw and bearing at one end on the inside of the shoulder plate and at its opposite end on the end of the bushing remote from the stop flange yieldingly to hold the bushing and shoulder plate in spaced relation and means detachably to hold the butt plate on a gun stock.

2,455,439
FLUID JACK WITH RAM LOCKING MEANS
Herbert E. Page, Alhambra, Calif.
Application February 17, 1945, Serial No. 578,505
2 Claims. (Cl. 121—46)



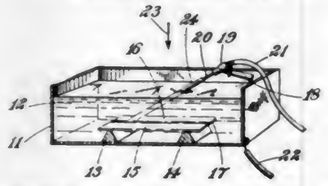
1. In a jack having an externally threaded annular body presenting a bore having a tapered outer end and a ram reciprocably mounted in the bore; means for locking the ram against axial movement inwardly of the bore, comprising a wedge-shaped chuck adapted to be axially movably mounted between the ram and the tapered outer end portion of said bore for wedging engagement therewith and an internally threaded nut for threaded engagement with the body, said nut and chuck having interengaging flange and socket means whereby rotation of the nut relative to the body moves the chuck axially.

2,455,440
HYDRAULIC JACK
Herbert E. Page, Alhambra, Calif.
Application March 10, 1945, Serial No. 582,032
4 Claims. (Cl. 254—2)



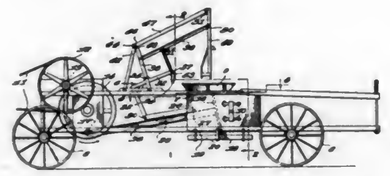
4. In a hydraulic jack having a frame, a lifting arm pivotally mounted on the frame to swing relative thereto, a hydraulic pressure actuated unit pivoted as hereinafter defined and having a body pivotally secured to the arm to swing therewith relative to the frame about its pivot in the same direction and in a corresponding positioned arc as said arm, said body presenting a pair of parallel piston chambers and a fluid reservoir, a work piston reciprocably mounted in the first of said chambers, the outer end of the work piston rigidly carrying a bracket and being pivotally secured to the frame, a pressure generating piston reciprocably mounted in the second of said chambers, actuating means pivotally carried by the bracket and having operative connection to the pressure generating piston, valve controlled means in the body operative in response to actuation of the pressure generating piston to pass fluid from the reservoir into the second chamber and thence under pressure to the first chamber, and valve controlled means for releasing fluid from the first chamber to the reservoir.

2,455,441
ARC WELDING WITHIN HYDROCARBON OIL
Paul Peillon, Cairo, Egypt, assignor to Salvage & Marine Company of Egypt S. A. E., Cairo, Egypt, an Egyptian company
Application August 16, 1944, Serial No. 549,651
In Great Britain December 31, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 31, 1962
5 Claims. (Cl. 219—10)



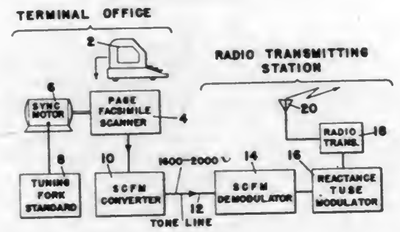
1. A process of electric arc welding wherein metal pieces to be welded are immersed in a hydrocarbon oil with a seam between the pieces in proper relative position, an electrode is employed, covered with a flux, to stabilise the arc, the flux is rendered impervious to the hydrocarbon oil by impregnation with a protective compound and the weld is effected by striking an arc between the electrode and the work so as to deposit molten metal from the arc on to the pieces to be welded and form a seam along the joint thereof.

2,455,442
BALING PRESS AND BALING METHOD
Samuel Straughan Robinson, Jr., United States Army, Albany, Ga., assignor to Lilliston Implement Company, Albany, Ga., a corporation of Georgia
Original application June 9, 1941, Serial No. 397,315, now Patent No. 2,366,426, dated January 2, 1945. Divided and this application November 23, 1944, Serial No. 564,781
4 Claims. (Cl. 100—3)



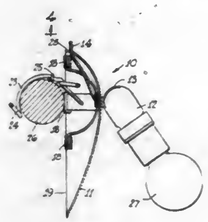
1. In a baling press, a baling chamber having a bottom provided therein, a baler head mounted in said chamber, a pitman arm rigidly fastened at one end to said baler head, a roller mounted on said baler head, a track carried by said baling chamber adapted to support said roller in such a manner as to prevent any part of said baler head from dragging along the bottom of said baling chamber, means pivotally supporting said pitman arm at its other end, and means adapted to move said pitman arm in such a manner as to impart a forward movement and rearward tilt to the baler head on the compression stroke of said baler head and a rearward movement and forward tilt to said baler head on the return stroke of said baler head.

2,455,443
SECRET RADIO SIGNALING SYSTEM
David Sarnoff, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 12, 1945, Serial No. 622,043
2 Claims. (Cl. 178—22)



1. Secret signaling apparatus comprising means for printing on a tape a message in the form of secret symbols, markings on different symbols being arranged in accordance with an equal time interval multi-unit code, different markings representing different units of intelligence to be transmitted, means for transmitting the symbols by facsimile over an alternating current circuit to a distant receiving point, means at the receiving point for reproducing a facsimile copy of the secret symbols from the received currents, means for photoelectrically producing electrical current impulses from the facsimile copy, the impulses being arranged in equal time intervals in accordance with the multi-unit code used during transmission, thereby circumventing errors introduced by the alternating current circuit, a shutter so dimensioned, positioned and actuated as to operate said photoelectric means in such a way as to provide in between character current impulses and means for utilizing the impulses so produced to cause printing of the message in normal type.

2,455,444
CLAMP
Nathan Rodney Schwartz, New York, N. Y.
Application September 30, 1947, Serial No. 776,891
3 Claims. (Cl. 248—226)

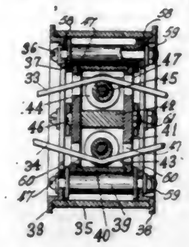


2. A clamp comprising a pair of cross-wise positioned brackets, the ends of each of said brackets terminating in a raised tip, a rocking arm, said rocking arm anchored at its ends in the raised tips of one of said brackets, a second rocking arm secured to said first rocking arm, said second rocking arm provided with an offset, and spring means normally urging said second rocking arm against the other of said brackets.

2,455,445
GEL CATALYST
Melvin J. See and James C. Bailie, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application July 22, 1944, Serial No. 546,231
11 Claims. (Cl. 252—259)

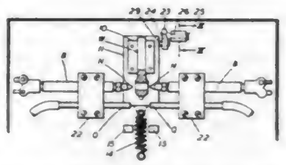
1. The method of drying gels in the form of discrete unblemished spheroidal particles by abstraction of water from spheroidal particles of an inorganic hydrogel having a strong tendency toward agglomeration which comprises dispersing said hydrogel particles in an organic deglomerating liquid consisting essentially of neutral organic solvent having a dissolving power for water to the extent of at least 1 per cent at 20° C., removing the hydrogel from the liquid after about 5 to 15 per cent of water has been abstracted therefrom by said liquid, and before any substantial degenerating diffusion of said liquid into said gel has occurred and thereafter completing the drying of said gel by evaporation of water therefrom substantially without agglomeration.

2,455,446
CLOTHESLINE STRUCTURE
Mary E. Seymour, Union Star, Mo.
Application February 6, 1947, Serial No. 726,905
1 Claim. (Cl. 211—119.13)



In a separating element of the class described, for use with a plurality of twisted lines, a rectangular frame, means on the frame to manipulate the element, a pair of depressed plates for each side of the frame, and rollers rotatably mounted internally of the frame adjacent the respective corners of the frame, an inner ring-like element rotatably carried by the rollers, said ring-like element having connected plates to close each side thereof, and grooved pulleys mounted on shafts between the plates each adapted to receive its respective line as opening means for the twists of the line.

2,455,447
FLAME TREATMENT OF SUBSTANTIALLY CYLINDRICAL INTERNAL SURFACES SUCH AS BORES
Albert Edward Shorter, Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application April 19, 1944, Serial No. 531,787
In Great Britain May 13, 1943
8 Claims. (Cl. 148—13)



1. Method of flame treating internal surfaces such as bores which comprises directing heating flames longitudinally into the bore from the opposite ends thereof so that the flames meet intermediate the ends of the bore and are thereby mutually deflected laterally to impinge upon the surface to be heated.

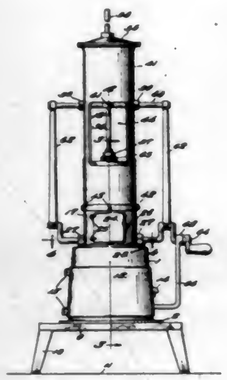
2,455,448
ADJUSTABLE CLOTHESLINE PROP
Joseph E. Swalinkavich, Jr., Robbinsdale, and John T. Donovan, Minneapolis, Minn.; said Donovan assignor to said Swalinkavich, Jr.
Application October 4, 1945, Serial No. 620,292
4 Claims. (Cl. 248—353)

2. A prop of the class described comprising upper and lower overlapping sections, means rigid on the upper end of the lower section for biting engagement with the upper section when the two sections are substantially parallel, said upper section being free for tilting movement over the upper end of the lower section to release the same from the biting of said means, and means co-



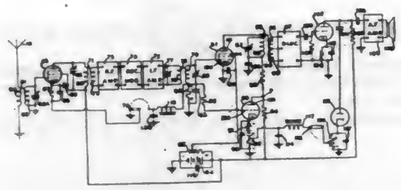
operating with the first noted means for holding the sections substantially parallel.

2,455,449
MACHINE FOR SHEARING GREEN CORN FROM THE COB, INCLUDING AN ANNULAR ROTARY CUTTER
Frank C. Thames, San Antonio, Tex.
Application February 23, 1946, Serial No. 649,708
6 Claims. (Cl. 130—9)



1. A green corn shearing machine including a main housing being formed with oppositely disposed vertical slots, a gear operated rotary head thereon, toothed rotary cutting members resiliently supported on said head, an expansible ear guiding chute disposed above said cutting member, a cross head mounted through the slots in said housing, a reciprocating pusher head connected with said crosshead for pushing ears of corn through said guide chute and cutting members, and a crank, gearing and pitman operating means connected with said crosshead for simultaneously operating said pusher head and for rotating said toothed cutting member.

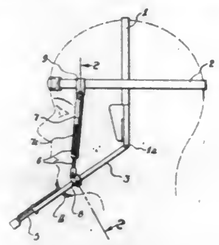
2,455,450
RADIO RECEIVER NOISE SUPPRESSION CIRCUIT
Robert T. Thompson, Oak Park, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application January 13, 1944, Serial No. 518,063
3 Claims. (Cl. 250—20)



1. A frequency deviation responsive device including a source of frequency modulated carrier waves of varying amplitudes and various mean frequencies, means for selectively amplifying a carrier wave from said source, a frequency modulation signal detector of the resonant type having a principal linear frequency response region and adjacent non-linear frequency response regions, said amplifying means having a frequency selectivity characteristic with substantially more attenuation in said non-linear regions than in said principal linear region, an electron discharge device having a control electrode, anode and cathode, an input circuit connected between said control electrode and cathode including means for producing self-bias voltage in response to a carrier wave impressed on said control electrode, means for impressing a selected carrier wave from said amplifying means on said input circuit, an output circuit connected between said anode and cathode and coupled to said detector, said device and circuits being arranged to limit to a predetermined maximum amplitude any carrier wave impressed thereon, a second electron discharge device having a control electrode, anode, and cathode, means for impressing self-bias voltage from the control electrode of said first discharge device on the control electrode of said second device negatively with respect to the cathode of said first device, and means for connecting the anode and cathode of said second device to said output circuit effectively in shunt with the anode and cathode of said first device, said second device having sufficient transconductance with said circuits adjusted for satisfactory signal detection in said principal linear region that substantially no signal detection takes place in said adjacent regions.

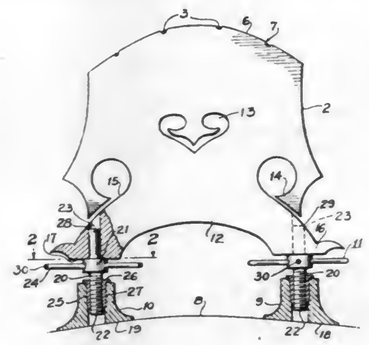
2,455,451
CONDYLE POSITION INDICATING APPARATUS
Charles F. Tully, San Diego, Calif.
Application August 5, 1946, Serial No. 688,561
6 Claims. (Cl. 33—174)

3. In a condyle position indicating apparatus of the class described, the combination of head band means adapted to engage the head of a patient and arranged to extend over the top thereof and around the upper portion of a patient's head and having a bearing portion substantially aligning with the pivotal axis of a patient's jaws, a pivoted arm pivotally connected to said bearing portion of said head band means and extending forwardly toward the chin of a patient wearing said head band means, and reciprocable scale means interconnecting said head band



means and said pivoted arm forwardly of the pivotal axis of said pivoted arm.

2,455,452
BRIDGE
George Van Eps, North Hollywood, Calif.
Application June 29, 1946, Serial No. 680,382
5 Claims. (Cl. 84—309)

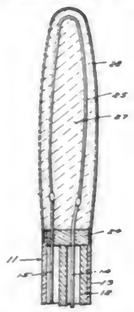


1. In a device of the character disclosed, a bridge, a pair of feet adapted to rest on the deck of a bass violin, and an elevating means between each foot and said bridge; said elevating means in each instance having a shaft, one portion of which is threaded and a second portion of which is unthreaded, said bridge formed with bores to tightly receive the unthreaded portion of a shaft, and a threaded bushing positioned in each foot for receiving the threaded portion of a shaft.

2,455,453
HEATING INSTRUMENT
Victor V. Varnum, Tama, Iowa
Application November 23, 1945, Serial No. 630,324
2 Claims. (Cl. 219—29)

1. An instrument for burning rubber out of a valve stem which includes, a shaft comprising a tubular core of flexible, heat-resistant, non-conducting material, a conductor enclosed by and extending throughout the length of the core, a tubular casing of flexible, heat-resistant non-conducting material coextensive with and enclosing said core, a conductor coextensive with the first mentioned conductor between the exterior of the core and the interior of the casing, a heat generating filament bridging the conductors at one end of the shaft, a handle at the opposite

end of the shaft and means to supply electrical energy to the conductors to heat the filament



to incandescence, and a body of ceramic material reinforcing said filament.

2,455,454

METHOD OF MAKING A FIRE RESISTANT LAMINATED FABRIC

Zachary T. Walter, Los Angeles, Calif.

No Drawing. Application August 4, 1944, Serial No. 548,148
4 Claims. (Cl. 154—140)

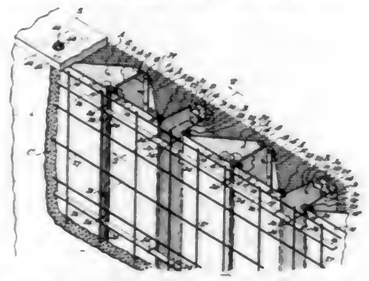
1. The method of producing a fire-resistant laminated article which comprises impregnating porous fabric sheets with chlorinated paraffine dissolved in a solvent, drying the sheets, then successively combining them in superimposed relation by coating each successive sheet with a volatile solution having cellulose acetate as its base and carrying a solvent for the chlorinated paraffine, and laying the next successive sheet thereon while said coating is wet.

2,455,455

PREFABRICATED CONCRETE FORM

Paul B. West, Newark, N. J.

Application December 12, 1946, Serial No. 715,839
12 Claims. (Cl. 72—48)



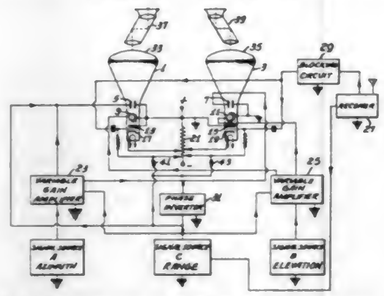
1. A prefabricated form structure for the purposes described comprising an assembly of hollow form wall units made of folded sheet material, certain of said units being of substantially right triangular cross section and other of said units being of substantially U-shaped cross section, said right triangular units being arranged in pairs with their oblique panels rearwardly presented and their end panels abutted whereby to forwardly present their remaining or front panels in a common plane, a U-shaped unit being disposed intermediate adjacent pairs of thus arranged right triangular units with its open face disposed in the plane of said front panels of the latter units, marginal portions of said thus adjoining units being folded, interengaged and secured together to provide uniting joint structures, lock bars extending across the front of the thus assembled units, said units having means to couple the same to said lock bars, an inner wall medium disposed across the rear of the thus assembled units, and said units having means for securing said inner wall medium thereto.

2,455,456

THREE-DIMENSIONAL OSCILLOGRAPH SYSTEM

James L. Whittaker, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 20, 1948, Serial No. 9,783
10 Claims. (Cl. 315—9)



6. A stereoscopic oscillographic system for three variables including a pair of cathode ray oscilloscopes having cathode ray generating means, vertical and horizontal ray deflecting elements and a ray intensity control element, means including separate variable gain amplifiers responsive to two of said variables connected respectively to said deflecting elements for establishing similar indications on corresponding coordinates of both of said oscilloscopes as functions of two of said variables, means for deriving oppositely phased signals in response to the third of said variables, means for applying said oppositely phased signals to corresponding ones of said deflecting elements on each of said oscilloscopes for varying simultaneously in opposite sense said indications on the same coordinate of both of said oscilloscopes as a function of the third of said variables, means including said variable gain amplifiers for varying in the same sense said indications on both coordinates of both of said oscilloscopes as an inverse function of said third of said variables, and means including said ray intensity control element for varying the intensity of said indications as an inverse function of said third of said variables to provide indications of said variables having stereoscopic characteristics.

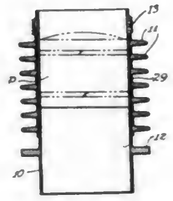
2,455,457

COATED METAL ARTICLE

Marshall G. Whitfield and Victor Sheshunoff, Garden City, N. Y., assignors, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y., a corporation of Maryland

Original application October 24, 1941, Serial No. 416,328, now Patent No. 2,396,730, dated March 19, 1946. Divided and this application July 24, 1945, Serial No. 606,855
3 Claims. (Cl. 309—2)

1. An article of manufacture comprising an annular steel cylinder, a relatively thick annular casting of an aluminum-containing metal on an exterior portion of said cylinder, and a ferro-aluminum alloy film at the interface between said cylinder and the casting forming a bond uniting the two metals permanently, whereby a continu-



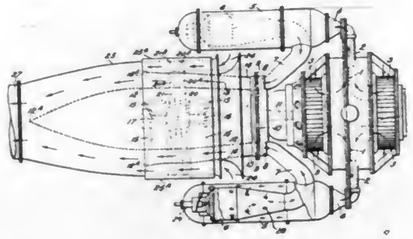
ous heat-conducting path is formed through the steel cylinder, the ferro-aluminum bond and the aluminum-containing casting, said casting having a thickness materially in excess of said ferro-aluminum alloy film.

2,455,458

THRUST AUGMENTING DEVICE FOR A SYSTEM FOR DEVELOPING PROPULSIVE THRUST

Frank Whittle, Rugby, England, assignor to Power Jets (Research and Development) Limited, London, England

Application October 23, 1942, Serial No. 463,139
In Great Britain March 2, 1940
3 Claims. (Cl. 60—35.6)



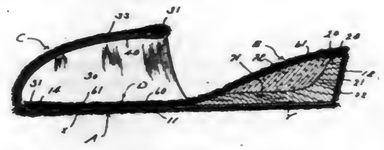
1. In a system for developing propulsive thrust by the reaction of a flow of energized fluid, the combination of a compressor for air, fuel burning means for the compressed air and a gas turbine using part of the energy of the resultant gases and arranged co-axially with the compressor upon a main axis corresponding to the intended line of thrust, exhaust ducting to confine the gas leaving said turbine and extending co-axially therefrom to form a first annular duct, further turbine means comprising a rotor arranged co-axially with respect to said first annular duct to be driven by the gas flowing therein, means forming a second annular duct co-axial with the first to confine separately a second independent stream of fluid received at a lower energy level than the said gas, and impeller means associated with the second duct so as to operate upon the second stream, said impeller means comprising the same rotor as the said further turbine means, the whole being arranged as of substantially circular form about the said main axis.

2,455,459

SLIPPER WITH CHENILLE SURFACING

Isadore B. Witlin, Los Angeles, Calif.; William B. Naythons, administrator of the Estate of said Isadore B. Witlin, deceased, assignor to Philip C. Raykoff, Los Angeles, Calif.

Application June 10, 1944, Serial No. 539,621
4 Claims. (Cl. 36—9)



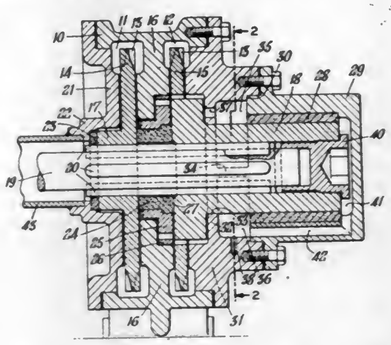
1. A slipper comprising a vamp, an insole, an outsole and a rigid heel wedge disposed between the insole and outsole at the rear portion of the slipper and terminating in the shank portion, the outsole at its rear end having a portion overlying the sides and extending over the top of the heel wedge, the outer portion of the vamp, insole and outsole having a chenille finish only over those portions which are outwardly disposed in the finished slipper whereby the edges of the parts which do not have a chenille finish may lie in a compact relation.

2,455,460

ROTARY PUMP FOR LIQUEFIED GASES

George H. Zenner, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

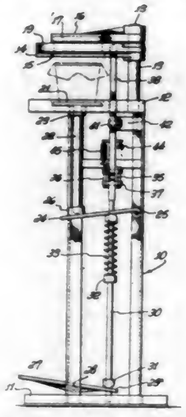
Application February 1, 1947, Serial No. 725,784
6 Claims. (Cl. 103—112)



1. In a rotary pump having a casing with an annular pumping channel, a rotary impeller operating in said pumping channel, and a drive shaft for said impeller, the pumping action causing an increasing fluid pressure in said channel from the inlet to the outlet thereof, which pressure increase produces a net radial force acting on said impeller in a certain direction; a radial bearing in said casing for the inboard end of said shaft; and means for balancing said radial force comprising a cylindrical surface rotatable with said shaft, chambers in said casing about said cylindrical surface, said chambers being substantially on opposite sides and extending peripherally about said cylindrical surface for a portion only of the circumference, a fluid passage connecting one of said chambers to a lower pressure region of said pumping channel, and

a passage connecting the other of said chambers to a region of higher fluid pressure in the casing adjacent said impeller, the areas of said surface exposed in the chambers and the relation of such areas being correlated with the pressures in the chambers to provide a resultant radial force substantially balancing said net radial force acting on the impeller.

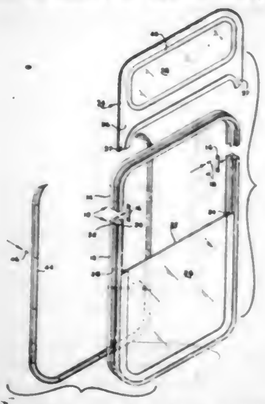
2,455,461
INDIVIDUAL CONTAINER SEALER
Edward E. Anderson, Loma Linda, Calif.
Application March 30, 1945, Serial No. 585,637
1 Claim. (Cl. 226—86)



An individual container sealing machine comprising: a work table, a lifting plate in said work table, an annulus provided above the lifting plate, a circular plate provided with a downwardly extending lip at its outer edge positioned above the annulus and in alignment therewith; a pair of opposing semi-circular heating elements movable toward and away from each other in a zone between said annulus and plate to grasp and release a container whose top extends through the annulus; a vertically extending reciprocatable energizing member, means for moving said member, a toggle linkage between said member and said heating elements for imparting simultaneous and opposing movement thereto, lever means for raising and lowering the lifting plate; and means connecting the energizing member with said lever for moving the lifting plate, said means including a spring whereby the lifting plate is maintained in yielding contact with a container while the energizing member continues to move.

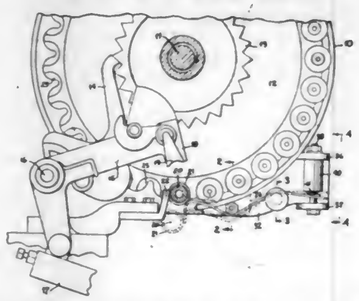
2,455,462
WINDOW CONSTRUCTION
Harry J. Bader and Walter C. Daniel, Troy, Ohio, assignors to The Troy Sunshade Company, Troy, Ohio, a corporation of Ohio
Application December 26, 1946, Serial No. 718,328
9 Claims. (Cl. 296—44)

1. In a vehicle having a window opening recessed inwardly from the outside of the vehicle; a window frame closely fitting said opening and having a lower sash slidably guided therein, said frame having an outwardly opening peripheral groove around at least the upper end thereof; an upper stationary sash carried by said frame and having a lip engaging said groove whereby said stationary sash is retained on said frame by the edge of said opening; a member fitting around the periphery of said opening on the in-



side of the vehicle; and fastening means rigidly connecting said frame and member.

2,455,463
BOBBIN CONTROL FOR BATTERY LOOMS
George F. Bahan, Charlotte, N. C.
Application November 5, 1946, Serial No. 707,840
5 Claims. (Cl. 139—251)

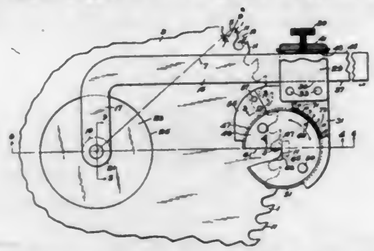


2. A bobbin control and guide for a battery loom having a hopper and a rotary disc mounted therein and provided with a plurality of cavities for holding the butt end of bobbins, a bracket secured to the hopper and having a pair of outwardly projecting bolts therein, a leaf spring member mounted above one of the bolts and disposed below the other of the bolts, one end of the leaf spring member being downturned and adapted to engage the butt end of a bobbin about to be transferred from the battery of the loom, resilient means for exerting downward pressure on the other end of the leaf spring member to thereby resiliently urge the first-named end into engagement with the bobbin about to be transferred to resiliently press it into its pocket and to resiliently guide and control the bobbin during a transfer operation.

2,455,464
SAW GAUGE
Ernest J. Bartell, Rome, N. Y.
Application August 15, 1944, Serial No. 549,541
6 Claims. (Cl. 33—202)

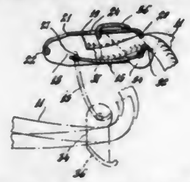
6. A gauge for measuring the angles of clearance and rake of the teeth of a circular saw having, in combination, an arm carrying a projecting pin adapting the arm to be mounted on

the saw for rotation about the axis of the latter; a member slidably carried by said arm for adjustment radially of the saw; a disk-like part rotatably carried by said member; a stop on said disk-like part having a flat surface which includes the axial line of said part, which surface is adapted to be brought into contact with the point of a saw tooth by so sliding said member on said arm; said disk-like part having an opening presenting two edges at right angles to each other intersecting each other at the axial line of said part, one of which edges is in the plane of said flat sur-



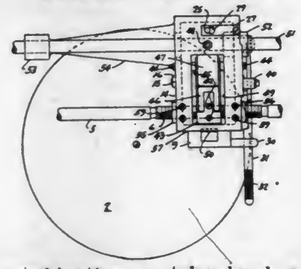
face, whereby when said arm is so mounted on the saw and said surface of said stop contacts the point of a saw tooth at the axial line of said disk-like part one of said edges by rotation of said part may be brought into coincidence with the clearance line of the saw tooth and the other into coincidence with the rake line of such tooth; and means for indicating the angular position of said disk-like part relative to said member in each of opposite directions from a position which would correspond to zero angles of clearance and rake of a saw tooth.

2,455,465
STRAP-END ATTACHING CLASP
Abraham Blumstein, Forest Hills, N. Y.
Application January 12, 1945, Serial No. 572,537
5 Claims. (Cl. 24—265)



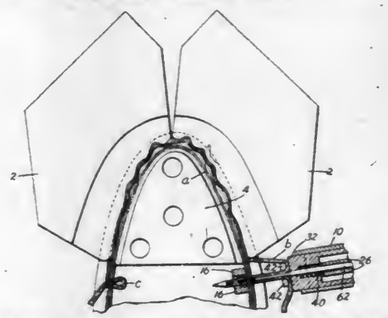
5. A clasp for the ends of cords and the like, comprising a channel member open at the bottom and at one end thereof to receive the ends of the cords, a gripper member having one end pivoted to the side walls of said channel member at a point remote from the open end thereof, said gripper member having an open and a clamping position, said gripper member extends substantially to said open end along the bottom of the channel member to close said bottom when in said clamping position, serrations projecting upwardly at the free end of the gripper member for gripping the cords without penetrating therein in cooperation with downwardly projecting serrations provided in said open end of said channel member when said gripper member is in said clamping position thereof, a clamping member having an operative and an inoperative position, said clamping member embodying an end portion juxtaposed to the top wall of the channel member when said clamping member is in said operative position and integral spaced legs projecting from said end portion at an angle therewith and pivotally connected to the sides of the gripper member adjacent the free end thereof, said legs extending in juxtaposition to the side walls of the channel member externally thereof and maintaining the gripper member in said clamping position thereof when the clamping member is in said operative position thereof, and means for releasably locking the end portion of the clamping member to the top wall of the channel member.

2,455,466
COMBINATION PHONOGRAPH RECORDING AND REPRODUCING MECHANISM
George P. Brubaker, Los Angeles, Calif., assignor, by mesne assignments, to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application July 17, 1943, Serial No. 495,175
9 Claims. (Cl. 274—24)



1. In combination, a stylus head, a resilient arm for supporting the head and urging the stylus toward a record member, an adjustable supporting structure, mounting means for the arm on said adjustable structure, said mounting means providing freedom of motion for the arm with respect to said structure in a direction transverse to the axis of the stylus for permitting lateral compliance of the head with the record member, means for adjusting said structure, and means including elements respectively carried by the head and by said structure, co-operating when the structure is in a definite adjusted position, for restraining said head against said freedom of motion.

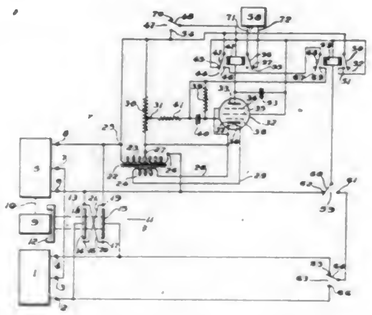
2,455,467
METHOD FOR USE IN LASTING SHOES
Philip E. Burby, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 30, 1947, Serial No. 744,955
8 Claims. (Cl. 12—145)



1. That improvement in methods of lasting shoes which consists in working an end portion of

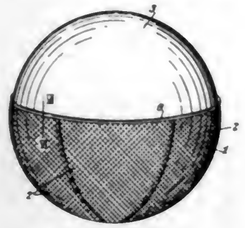
an upper on a last into lasted position, applying about the end of the upper an upper-holding binder of elastic material in a stretched condition, and fastening the binder to the shoe to hold it in its stretched condition by forcing it through portions of the shoe materials at the opposite sides of the shoe bottom.

2,455,468
ELECTRONIC TIMING DEVICE
Phillip J. Cade, Sharon, Mass., assignor to Photoswitch, Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application November 1, 1946, Serial No. 707,167
7 Claims. (Cl. 318—283)



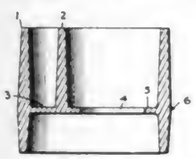
7. An electronic timing device for use with a machine having an oscillating work table operated by a three phase reversible motor, which comprises: first and second source terminals connected to a source of 3 phase electric power; first and second motor terminals connected to said motor; a reversing switch, actuated by said table and adapted to make and maintain connections between said source and motor terminals and to reverse said connections upon said table reaching either of its extreme positions; a voltage divider connected across said motor terminals; an electron discharge device having at least an anode, cathode, and a control electrode, said cathode being connected to said first motor terminal; an energy storage and dissipation means connected between said control electrode and a point on said voltage divider; a first current responsive operator means, bridged by a capacitor, connected between said anode and a terminal point; a second current responsive operator means connected between said terminal point and a first hand-operated switch adapted to make connection with said first motor terminal or with a second hand-operated switch to make contact to either of said source terminals; a first relay switch adapted to maintain connection between said second motor terminal and said terminal point, except when said first operator means is energized, and then to make connections between said second motor terminal and a second relay switch adapted to make a connection with said energy storage and dissipation means when said second operator means is energized; a third relay switch adapted to make a connection between said second motor terminal and said terminal point when said second operator means is energized; a third hand-operated switch adapted to make a connection between said second motor terminal and said terminal point; and control means actuated by said first operator means.

2,455,469
METEOROLOGICAL BALLOON
Frank Albert Caspar, Tiverton, England, assignor to Pak Parachute Company Limited, Tiverton, England
Application October 1, 1946, Serial No. 700,544
In Great Britain October 11, 1945
4 Claims. (Cl. 244—24)



1. A self-retaining metallic or metallised open mesh cover for meteorological balloons of a size and shape such that it will enclose the balloon over a little more than half its peripheral surface, the mouth of the cover being so constructed that its maximum diameter is a little less than the maximum diameter of the balloon so as to bite into the balloon surface and form temporarily a peripheral channel or recess therein on the diameter of the balloon increasing as a result of an increase in height.

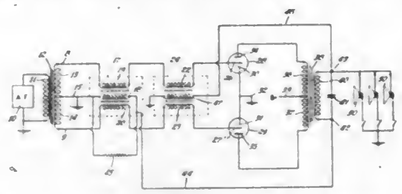
2,455,470
SOIL PIPE REDUCER
William James Collison, Costa Mesa, Calif.
Application August 28, 1947, Serial No. 771,005
4 Claims. (Cl. 285—198)



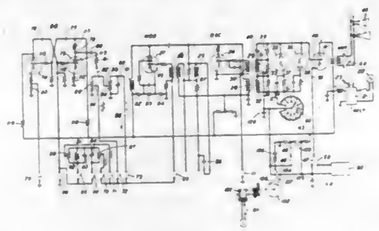
1. In a single piece soil pipe reducer device, the combination of a primary cylinder having its upper and lower ends in the same vertical plane, an auxiliary cylinder in said primary cylinder and integral throughout its height at one side with said primary cylinder, and said primary and auxiliary cylinders having their upper ends in the same horizontal plane.

2,455,471
ELECTRICAL APPARATUS FOR LOUDSPEAKER SYSTEMS
Webster O. Crane, St. Charles, Ill., assignor to Operadio Manufacturing Co., St. Charles, Ill., a corporation of Illinois
Application March 28, 1946, Serial No. 657,881
9 Claims. (Cl. 179—1)

1. A speaker system comprising a driver transformer having a primary adapted to be energized with audio frequency potentials and having a secondary, a vacuum tube amplifier having input and output circuits, a feedback transformer having primary and secondary windings, means for connecting the secondary windings of said driver and feedback transformers in series in said amplifier input circuit, an output transformer having primary and secondary, said output primary being connected in said output amplifier circuit, a plurality of parallel connected speakers forming a load, means for connecting said load, feedback primary and output secondary in series, said feedback windings being so phased as to provide regenerative action whereby the potential across said speaker load is maintained substantially constant in spite of load variations.



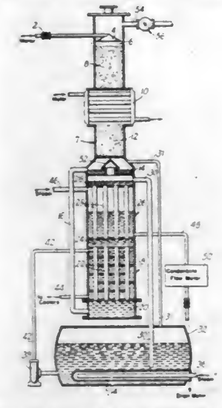
2,455,472
METHOD AND SYSTEM FOR ELECTRONICALLY GENERATING COMPLEX SIGNALS
Herbert C. Curl, Jackson Heights, N. Y., and James D. Kleinkauf, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1945, Serial No. 587,562
6 Claims. (Cl. 179—171.5)



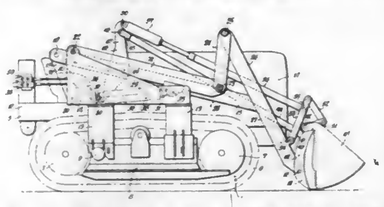
3. In a signal generator, the combination with a variable frequency oscillator for generating signal frequencies and a harmonic generator comprising means for generating and adding to the output of said oscillator a third harmonic component substantially equal in magnitude to the fundamental of each signal frequency generated by said oscillator, of means for controlling the relative phase of said fundamentals and harmonic components to produce a complex single wave without substantially increasing the peak factor of the signal.

2,455,473
PROCESS FOR REGENERATING SPENT AMMONIACAL CUPROUS SOLUTION
Josef G. Dely, Queens Village, N. Y.
Application February 7, 1945, Serial No. 576,535
4 Claims. (Cl. 252—188)

1. A process for regenerating a spent ammoniacal cuprous solution that has been used for absorbing carbon oxides from the feed gases to an ammonia synthesis unit comprising the steps of, causing a substantially continuous stream of said spent solution to flow downwardly along a gas-liquid contact path from the top to the bottom thereof, causing the solution leaving said contact path to flow successively through a first regenerating zone and a second regenerating zone, heating said solution in both said first and second regenerating zones to liberate a mixture of carbon oxides and ammonia therefrom, causing the thus liberated mixtures of carbon oxides and ammonia from both said first and second regenerating zones to flow to the bottom of said contact path and upwardly along said path to cause ammonia from said mixture to be preferentially absorbed by said stream of solution in said contact path, cooling said spent solution in said path to increase the solubility of ammonia therein, removing at the top of said contact path gases not absorbed by said solution in said path, causing regenerated solution from said second regenerating zone to flow in heat-exchange relationship with the spent solution in said first regenerating zone to supply to said spent solution heat required to liberate said mixture of carbon oxides and ammonia therefrom, and maintaining a back pressure on said contact path and said regenerating zone to produce a desired cupric-cuprous ratio in the regenerated solution while minimizing reduction of cuprous copper to elemental copper.

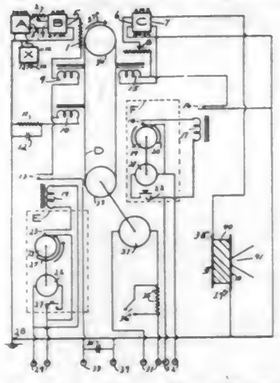


2,455,474
EXCAVATOR
Edward A. Drott and Joseph H. Kerber, Milwaukee, Wis., assignors to Hi-Way Service Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application February 5, 1945, Serial No. 576,286
12 Claims. (Cl. 214—131)



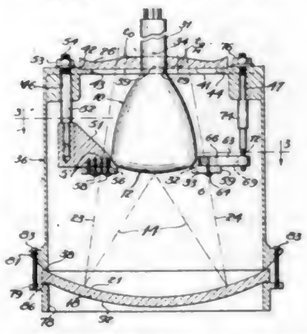
1. In an excavator, the combination with a movable support, of a digging bucket, a supporting structure for said bucket mounted to float relative to said support, and raising and lowering means for said supporting structure comprising arms pivoted at a fixed point on said support and operatively connected to an intermediate portion of said supporting structure and hydraulically operated cylinders operatively connected with said arms.

2,455,475
METHOD OF ULTRASONIC PULSE SIGNALING
Stanley D. Eilenberger, Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co., a corporation of Illinois
Application September 15, 1943, Serial No. 502,528
2 Claims. (Cl. 179—100.2)



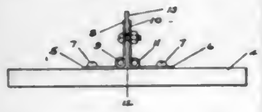
1. The method of signaling, which comprises the steps of recording within a limited time period the intelligence to be transmitted on a magnetic sound track moving at relatively slow recording speed, reproducing said recorded signal at relatively high magnetic sound track speed to produce a signal pulse of brief duration, converting said signal pulse into a pulse of ultrasonic energy, generating a control pulse, simultaneously transmitting said signal pulse and said control pulse to a receiver, causing said control pulse to render said receiver operative to record the received pulse on a magnetic sound track moving at a speed approximating said reproducing sound track speed at the transmitter, reproducing the pulse of energy so recorded and filtering the product of reproduction to recover the original intelligence.

2,455,476
MOUNTING SYSTEM FOR ELEMENTS OF TELEVISION PROJECTORS
David W. Epstein, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 20, 1945, Serial No. 606,215
11 Claims. (Cl. 178—7.5)



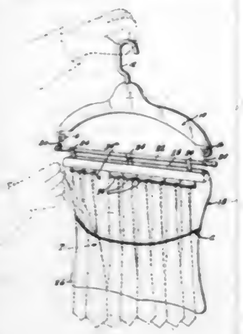
6. The combination with an electron image tube having a surface exposing a target area, of an optical light receiving element having a substantially spherical surface, a member having means defining a circle resting on said spherical surface whereby the center of curvature of said spherical surface lies on the axis of both said member and said circle, a correcting plate, supporting means for said correcting plate fixed to be coaxial with said member, means for supporting said tube by contacting its target exposing surface, said member having an end opposite to said circle defining means, said end being provided with a circular recess coaxial with the circle defined by said circle defining means, a pair of diametrically positioned rods depending from said end, said tube supporting means being substantially rigidly carried by one of said rods, and the other of said rods serving as a guide to position said tube supporting means coaxial with the axis of said member.

2,455,477
KNIFE SHARPENING KIT
Wilfrid J. Girard, San Francisco, Calif.
Application January 2, 1948, Serial No. 209
3 Claims. (Cl. 76—82)



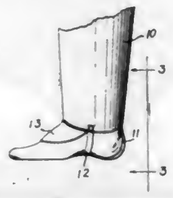
1. In combination with a base, a pair of knife sharpening serrated blade supports positioned on the base, the said supports being spaced apart and angularly positioned relative to each other, and fastening means for securing the supports on the base.

2,455,478
COMBINED COAT HANGER AND NECKTIE RACK
Watson R. Grant, Elgin, Ill.
Application December 19, 1946, Serial No. 717,244
4 Claims. (Cl. 223—85)



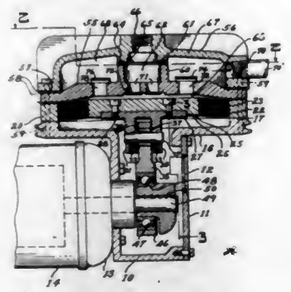
1. The combination with a garment hanger having hook portions at its ends of S-shaped clips connected thereto for supporting a cross-rod, a rigid panel pivotally suspended below said cross-rod, a bar at the upper end of said panel, slots in said bar, a horizontal groove at the upper ends of said slots, and a plurality of individual hanger members connected in said slots to said bar.

2,455,479
SKI PANTS
Paul Haberfeld, Portland, Oreg., assignor to Jantzen Knitting Mills, a corporation of Oregon
Application October 11, 1946, Serial No. 702,801
2 Claims. (Cl. 2—232)



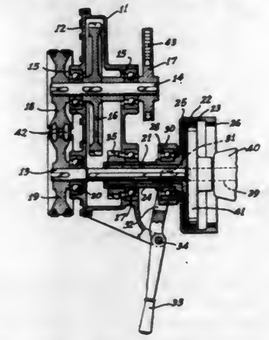
1. A pair of trousers of the class described, the legs thereof being adapted to fit relatively loosely about the legs of the wearer, the lower ends of said legs terminating in a substantially horizontal plane between the ankle and the heel of the wearer, the leg ends being adapted to be placed within the shoes of the wearer, a stirrup strap extending transversely across the bottom of each of said legs and adapted to lie under the arch of the foot of the wearer, a heelpiece extending longitudinally from the rear edge of each of said legs and attached to said strap substantially at its lowermost extremity, said heelpiece being adapted to hold in place within the shoe said rear edge of each of said legs, and an apron extending longitudinally from the front edge of each of said legs and reaching laterally substantially to the terminal portions of said strap, said apron being adapted to cover and protect the forepart of the foot of the wearer.

2,455,480
DIAPHRAGM PUMP
Harold F. Hadley, Defiance, Ohio, assignor to Dapco Products, Inc., a corporation of Ohio
Application November 6, 1944, Serial No. 562,163
4 Claims. (Cl. 253—170)



1. In combination, a compressor including a housing, a plate in said housing, valved ports in said plate; a compressor head; a diaphragm construction in said housing and forming with said plate a compression chamber; said diaphragm construction including a metal ring removably secured to said housing; a disc-like member in said housing; an imperforate stretchable diaphragm of uniform thickness bonded to said ring and said disc; and mechanical means associated with said disc-like member for positively effecting successive suction and pumping strokes of said member and stretchable diaphragm, said metal ring, diaphragm and disc being of substantially the same thickness.

2,455,481
REVERSE GEAR
Ford W. Harris, Los Angeles, Calif., assignor, by mesne assignments, to The Calpat Corporation, Los Angeles, Calif., a corporation of California
Application December 26, 1944, Serial No. 569,674
6 Claims. (Cl. 74—355)

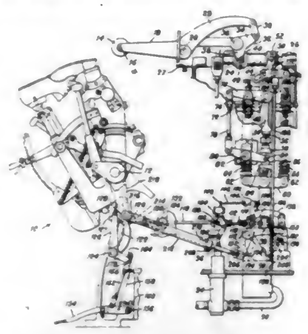


1. In a power transmission used to transmit the power of an internal combustion engine to a driven shaft and so constructed that the driven shaft may be rotated in either a forward or reverse direction without a reversal of the direction of rotation of the engine shaft, the combination of: a centrifugal clutch driven by the engine and adapted to be expanded whenever said engine rotates at a speed above a critical value; a forward drum having a forward surface adapted to be engaged by said clutch when said clutch is so expanded, said forward surface being concentric with the axis about which the clutch rotates; a reverse drum having a reverse surface adapted to be engaged by said clutch when said clutch is so expanded, said reverse surface being also concentric with the axis about which the clutch rotates; means by which said clutch can be caused to engage either said forward surface and thus drive the forward drum or the reverse surface and thus drive the reverse drum, said selective engagement being caused by a change, along said axis, of the position of said drums with relation to said clutch; means by which the forward drum drives said driven shaft in the same rotative direction as that of the engine shaft; and means by which the reverse drum drives the driven shaft in the opposite rotative direction to that of the engine shaft.

2,455,482
LEVELING MACHINE
Fred V. Hart, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 5, 1947, Serial No. 772,271
6 Claims. (Cl. 12—34)

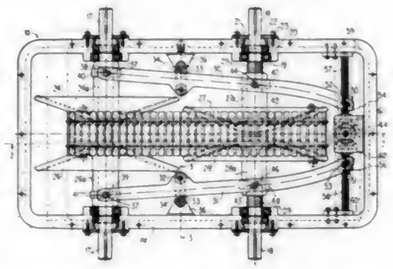
1. In a leveling machine, a shoe support, a leveling roll, means mounting said support for movement in directions lengthwise of a shoe thereon to cause the leveling roll to operate progressively along the shoe bottom, spring means for pressing the leveling roll against the bottom of the shoe, means operative in response to forward movement of the shoe support to carry the shoe out of operative relation to the roll for lifting said roll against

the action of said spring means, and means controlled by said shoe support for locking the roll



in its elevated position with the shoe support located forwardly of the roll.

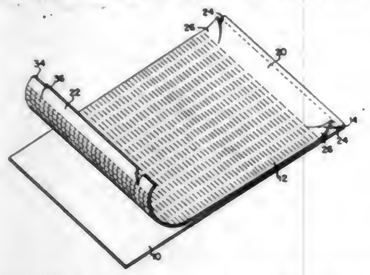
2,455,483
VARIABLE-SPEED TRANSMISSION
Geoffrey M. Harry, Oak Park, Ill.
Application September 25, 1946, Serial No. 699,215
17 Claims. (Cl. 74—217)



1. A variable speed transmission comprising a rotary driving shaft, a rotary driven shaft, a pair of rotary members mounted in spaced relation on each of said shafts for rotation therewith and extending radially therefrom, a plurality of pairs of sprockets carried in spaced relation by and between said respective pairs of rotary members and adapted for free rotative movement and for movement radially of said rotary members toward and from said respective shafts, means for each pair of sprockets operably connected therewith for transmitting rotary movement of one sprocket in one direction to the other sprocket for rotary movement in the other direction, and an endless chain adapted to be interengaged with the respective pairs of sprockets of said rotary members.

2,455,484
CARBON SET FORM
Frank J. Hauer, Dayton, Ohio
Application December 8, 1945, Serial No. 633,727
3 Claims. (Cl. 282—22)

1. In a set form including a paper sheet and a carbon sheet of substantially the same size; adhesive means securing said sheets together along the upper edges; uncoated marginal portions at the top and bottom of said carbon sheet extending completely across the width thereof; and diagonal incisions at each side of each of said uncoated marginal portions for facilitating

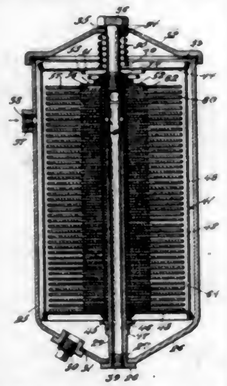


the severing of said adhesive connection and the separating of the sheets.

2,455,485
AUSTENITIC STAINLESS STEEL
Joye C. Haun, San Francisco, Calif., and Randolph Simpson, Portland, Oreg., assignors to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon
No Drawing. Application April 26, 1945, Serial No. 590,510
2 Claims. (Cl. 75—128)

1. An austenitic stainless steel, characterized by great resistance to corrosion under reducing conditions and additionally characterized by its rollability, including a chromium content of from 16% to 20%, a nickel content of from 7% to 14%, a molybdenum content of from 1.5% to 2.5%, a boron content of from .001% to .006%, and the balance iron and impurities.

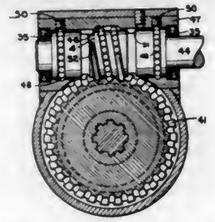
2,455,486
LIQUID FILTRATION
Richard V. Hicks, East Providence, R. I., assignor to Fram Corporation, a corporation of Rhode Island
Application July 10, 1943, Serial No. 494,223
30 Claims. (Cl. 210—169)



1. A liquid filtering unit comprising only two shape members, there being wall members separated by spacer members, both of sheet material and in surface to surface contact, one of said members being permeable to transmit filtrate therethrough, each of said members having an opening located inwardly from its periphery, and said openings registering sufficiently to provide an internal drainage passage for liquid from said

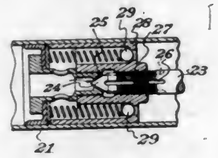
members, the spacer members having a skeleton structure with wall supporting arms presenting surface contact areas less than the areas of the surfaces of the wall members with which they contact and spaced to provide between them an access for the entering liquid to be filtered whereby to reduce the path of travel of the liquid when flowing in the direction of the contact surfaces and to provide inter-wall cells in which sludge material may collect.

2,455,487
ANTIFRICTION WORM GEARING
Henry S. Hoffar, Vancouver, British Columbia, Canada, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application January 12, 1944, Serial No. 517,927
2 Claims. (Cl. 74—458)



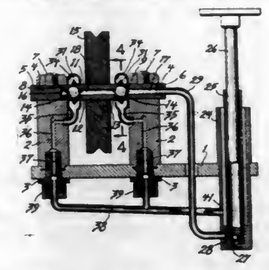
1. Antifriction mechanism comprising complemental members having cooperating helical grooves therein, a plurality of balls interconnecting said members by engagement in the helical grooves thereof, one of said members having a by-pass passage therethrough extending between spaced portions of the helical groove in such member, and a resilient clip embracing and resiliently gripping the member having such by-pass over a peripheral extent exceeding one half of the circumference of such member, one end of said clip being disposed adjacent to an end of such by-pass and shaped to guide balls engaged thereby for movement between the adjacent end of the by-pass and the portion of the helical groove into which such by-pass opens.

2,455,488
DOOR CHECK
James W. Holman, Tulsa, Okla.
Application August 24, 1945, Serial No. 612,369
2 Claims. (Cl. 16—63)



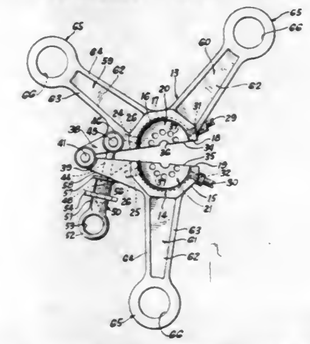
1. A door check comprising a cylinder hingedly connected to a door frame, a reciprocating piston within said cylinder, a piston rod carried by said piston and having its outer end anchored to a hinged door, check valve means carried by the piston and through which fluid within the cylinder passes to opposite sides of the piston, a constantly open port through the piston, said constantly open port being formed by a valve carried by the piston rod and cooperating with a valve seat and longitudinally extending ports carried by the valve end of the piston rod.

2,455,489
BEARING
Albert S. Howell, Culver, Ind., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application September 28, 1944, Serial No. 556,175
4 Claims. (Cl. 308—122)



1. In a bearing, the combination of support and rotatable members provided with bearing surfaces of concave part spherical character and opposing axially of the rotational axis of said rotatable member, a bearing member of convex spherical character disposed between and having opposite bearing engagement with said surfaces, said support and rotatable members being provided with lubricant bores coaxial with said rotational axis and said bearing member being provided with a lubricant bore extending diametrically therethrough, and a longitudinally fluted limiting pin extending and secured in said bore of said bearing member and extending into and loosely engaging in said bores of said support and rotatable members and operative to permit limited angular movement of said bearing member transversely of said rotational axis within a range maintaining communication between said lubricant bores.

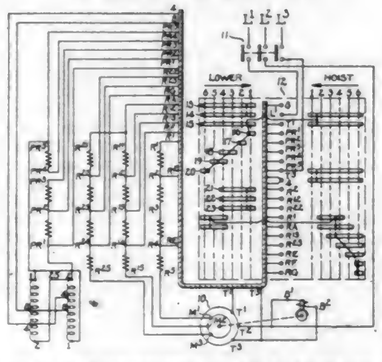
2,455,490
TOOL FOR APPLYING ARMOR RODS TO ENERGIZED CONDUCTORS
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application February 12, 1947, Serial No. 728,121
14 Claims. (Cl. 57—10)



3. In a tool for applying armor rods to energized conductors, the combination of a pair of die halves, each die half being formed with a half circular central groove adapted to form a central aperture when the die halves are closed against each other, the said dies having a plurality of armor rod holes arranged in a circle about said

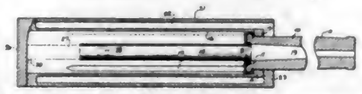
central aperture, a supporting frame for each of said die halves, said frame being provided with a pair of half annular grooves, each groove supporting a die half, means for fixedly securing the die half in each of said grooves, means for mounting each of said frames in a unit on a clamp stick, and means projecting from said frames and adapted to be engaged by an insulated stick for holding the frame in fixed position or for effecting a rotation of the frame to wind armor rods on an energized conductor, said latter means comprising three metal arms extending substantially radially and provided with eyes at their ends.

2,455,491
CONTROL OF ALTERNATING CURRENT MOTORS
Richard B. Hunter, Shorewood, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 28, 1944, Serial No. 533,147
14 Claims. (Cl. 318—203)



5. In a braking system for an alternating current motor, the combination with means comprising an auto-transformer to supply power to the motor primary with voltage unbalance of the motor primary for high braking action of the motor, of impedance and means to subject the motor primary while under the influence of said auto-transformer to influence by said impedance to reduce the braking action of the motor to different degrees selectively, all such braking actions of the motor being characterized by some torque of the motor at zero speed, the torque for the high braking action being the reverse of that for the reducing braking actions, and the zero speed torque for reduced braking actions being graduated according to the reduced braking action selected.

2,455,492
CIGARETTE HOLDER
William L. Jackson, Greenville, S. C.
Application February 23, 1945, Serial No. 579,411
2 Claims. (Cl. 131—175)



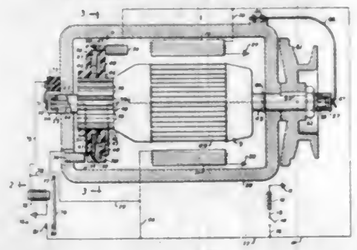
1. A cigarette holder comprising a mouthpiece having a passageway therethrough, into one end of which one end of a cigarette is adapted to be placed, said mouthpiece having a peripheral shoulder on the end which receives the end of the cigarette, a shield member comprising an inner tubular member open at one end and having an inwardly projecting shoulder at its other end slidably mounted on the mouthpiece to prevent separation of the mouthpiece from the tubular member when the two parts are in extended position, said tubular member having joined to each end thereof, and in spaced relation thereto, by end walls, an outer member which is rectangular in cross section, the end wall adjacent the mouthpiece having openings therein, the side walls of the outer member having longitudinally extending slots therein and the inner tubular member having longitudinal slots therein disposed substantially 180° apart and in non-registering position with the slots in the outer member, the peripheral shoulder on the mouthpiece having secured therein a screw which projects through one of the slots in the tubular member to guide the mouthpiece relative to the tubular member when the mouthpiece is telescoped within the tubular member, and a pivoted closure member mounted on the shield member for closing the open end of the tubular member.

2,455,493
EXHAUST MANIFOLD
Harold Jacobs, Clayton, Mo.
Application August 7, 1946, Serial No. 688,861
26 Claims. (Cl. 285—210)



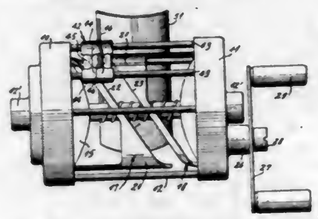
1. An exhaust manifold for a multi-cylinder internal combustion engine comprising a plurality of separate conduits disposed side by side and closed at one end of said manifold and open at the other or discharge end thereof, each of said conduits having a plurality of inlet branches, each inlet branch being adapted for connection with the exhaust port of one of a selected group of cylinders of said engine.

2,455,494
ELECTRICALLY OPERATED GENERATOR
Hal B. Jaynes, Lenoir, N. C.
Application November 24, 1947, Serial No. 787,719
2 Claims. (Cl. 171—228)



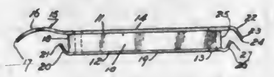
1. In an electrical generator having a housing and a driven rotor mounted in said housing and a plurality of field coils disposed in spaced relation to the rotor, said rotor having a commutator thereon provided with a plurality of spaced commutator bars insulated from each other, an insulation ring mounted on the commutator bars and having a closed cavity extending entirely therearound, a pair of conducting rings mounted on opposed sides of said cavity, a plurality of metallic fingers mounted in said ring and having the outer ends thereof disposed between the two conducting rings and having their inner ends in engagement with the commutator bars, the commutator and rotor being mounted on a shaft, said shaft having a longitudinally extending bore therethrough, a wire connected to one of the metallic rings and extending longitudinally in the bore of the said shaft to one end of the shaft and a brush contacting the end of the wire and grounded to the housing, a second wire connected to the other ring and extending in the opposite direction in said bore in said shaft to the other end of said shaft and having a brush contacting the same, a source of energy connected to the two field coils, a pair of magnetic coils disposed 180 degrees apart and on opposed sides of said ring mounted on the commutator and said source of current being connected to said last-named coils and being grounded after passing through the coils, a vibrator coil secured to the last-named brush and having its other end grounded and an oscillatable member also connected to the last-named wire and having a contact on its free end and a fixed contact disposed adjacent the last-named contact and connected to said source of energy, whereby upon rotation being imparted to the rotor and commutator, two oppositely directed metallic fingers will be attracted simultaneously by said coils located 180 degrees apart to alternately contact their free ends against the said metallic rings disposed within said insulating ring.

2,455,495
CASTING REEL
Kristen Jellum, Spooner, Wis.
Application April 5, 1945, Serial No. 586,704
9 Claims. (Cl. 242—84.4)



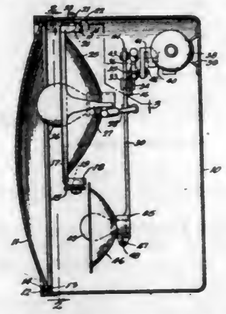
1. A casting reel comprising a supporting frame and a spool journaled thereon, a cylindrical guide structure mounted on said frame concentric with and surrounding said spool, said guide structure having an endless camway disposed in a plane at an angle with its axis through which passageway the line on the reel passes to be moved back and forth between the spool ends with uniform motion to be thereby guided for even winding on or unwinding from the spool.

2,455,496
CAN AND BOTTLE OPENER
Thomas Kaskouras, Chicago, Ill.
Application November 5, 1947, Serial No. 784,227
1 Claim. (Cl. 30—16)



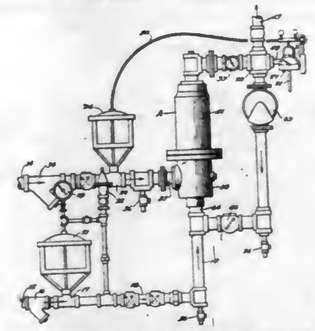
A receptacle opener comprising a thick plastic body member, an upper metal member attached to said body member and extending therebeyond with downwardly extending cutting edges and penetrating points, and a lower metal member attached to said body member and extending therebeyond with upwardly extending hook portions.

2,455,497
OSCILLATING WARNING LIGHT FOR VEHICLES
Jeremiah D. Kennelly, Oak Park, Ill.
Application November 2, 1945, Serial No. 626,358
3 Claims. (Cl. 177—329)



1. In light-signal apparatus, a casing open at one end, a reflector mounted in said frame for lateral movement, a light bulb supported in said reflector, a pendulum arm suspended from the top portion of said casing, a motor-driven means for swinging said pendulum arm, a reflector carried by the lower end of said pendulum arm and facing toward the open end of said casing, a light bulb supported within said reflector, means for supplying current to said light bulbs and to said motor, and a connecting member between said pendulum arm and said first mentioned reflector to produce simultaneous movement of said reflector with the pendulum arm.

2,455,498
STEAM INJECTION TYPE WATER HEATER
Clarence T. Kern, Milwaukee, Wis., assignor to Pick Manufacturing Company, West Bend, Wis., a corporation of Delaware
Application January 11, 1945, Serial No. 572,369
13 Claims. (Cl. 261—36)



8. A steam injection type water heater including an upright casing, an injector tube arranged within and extending longitudinally of the casing in spaced relation with the walls thereof to form an injection chamber for the passage of water to be heated, said tube being provided with orifices arranged to inject jets of steam

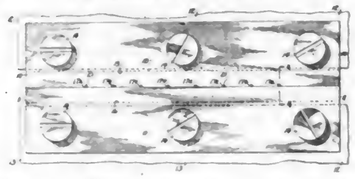
into water passing through the injection chamber, means including a conduit connected to the lower end of the injector tube for introducing steam into the injector tube and for automatically regulating the flow of the steam to supply the amount of steam required to accomplish the desired heating of the water, a water inlet communicating with the injection chamber, a hot water outlet for the discharge of heated water from the injection chamber, and a re-circulation pump connected with the hot water outlet and the water inlet having a circulation capacity less than the hot water outlet and adapted to re-circulate water through the injection chamber for increasing flow through said chamber when the flow of water past the injector tube in response to demand falls below a predetermined quantity and the delivery of steam to the injector tube is correspondingly reduced.

2,455,499

APPLICATOR FOR APPLYING INSULATION TO WIRE

Philip V. Kessler, Phillipsdale, and John B. Moss, Providence, R. I., assignors to Kennecott Wire and Cable Company, Phillipsdale, R. I., a corporation of Rhode Island

Application March 30, 1946, Serial No. 658,544
5 Claims. (Cl. 91—53)



1. An applicator for applying viscous insulating material to wire, including in combination: a first portion having an inner edge and a notch-like wire-receiving passage formed in the said inner edge; and a second portion separable from the said first portion and having an inner edge abutting against the said inner edge of the first member and extending uninterruptedly across the open side of the notch-like passage therein and closing the same; the said wire-receiving passage having a wall directed generally toward the abutting inner edge of the said second portion and formed with a compensating-passage communicating laterally with the said wire-receiving passage.

2,455,500

SHOE SOLE

Hans C. Knellwolf, Zurich, Switzerland

Application August 18, 1943, Serial No. 499,298
In Switzerland July 11, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 11, 1962
2 Claims. (Cl. 36—25)



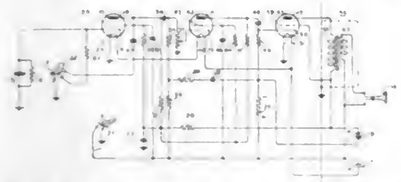
1. A shoe sole having at least one bar of a rigid material located inside of said sole, said bar extending at an angle relative to the longitudinal foot axis from the front portion of the small toe side towards the approximate center portion of the big toe side.

2,455,501

HIGH GAIN AMPLIFIER

Cosler Donald Knight, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois

Application June 3, 1944, Serial No. 538,602
2 Claims. (Cl. 179—171)



1. In an amplifying circuit, a first discharge device having an input circuit, a screen electrode, an output anode, a cathode, and an output circuit, a second discharge device having an input circuit coupled to the output of said first discharge device and having an output circuit, a third discharge device having a control grid and having an output circuit, a control circuit including said control grid coupled with the output circuit of said second device, a pair of serially connected impedances in the last mentioned output circuit whereby signals applied to the input circuit of said first device appear across said serially connected impedances in amplified form, a voltage source having a positive terminal arranged to supply continuous space current to each of said output circuits and to said screen electrode through one of said serially connected impedances, said one impedance being connected in said control circuit and arranged so that continuous space current flowing therethrough determines the continuous operating potential of said control grid, means arranged to couple an amplified signal voltage appearing across said one impedance to the input circuit of said second discharge device in regenerative relationship, and means arranged to prevent the transfer of signal voltage from said one impedance to said screen electrode of said first device, said last means including a common current limiting resistor serially connected in a common circuit from said positive terminal to said screen electrode and said anode, and two condensers serially connected between said output anode and said screen electrode, the junction point of said serially connected condensers being connected to said cathode thereby to utilize said current limiting resistor in a circuit doubly decoupling said screen electrode from said positive terminal.

2,455,502

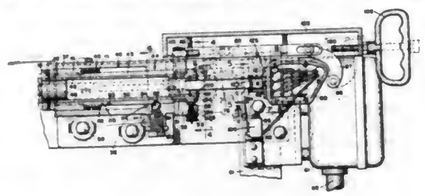
DRIVING CONTROL FOR AXMINSTER LOOMS

Clarence R. Kronoff and Victor F. Sepavich, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Original application May 1, 1947, Serial No. 745,350. Divided and this application January 24, 1948, Serial No. 4,098
9 Claims. (Cl. 139—1)

1. In shipper mechanism for an Axminster loom having a variable speed driving motor, rotary electric speed control means for the motor, a fixed bearing, a rotary member in the bearing, shipper means operatively connected to the member to rotate the same, a bar operatively connected to said speed control means and extending into the rotary member, and bar moving means on said rotary member having a slot therein larger

than the bar and through which the latter extends, said bar moving means transmitting a



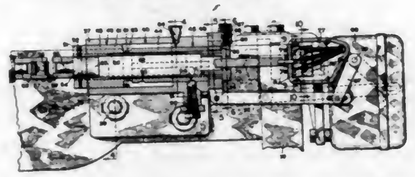
rotary force from the rotary member to the bar to cause rotation thereof and of said speed control means.

2,455,503

DRIVING CONTROL FOR AXMINSTER LOOMS

Clarence R. Kronoff and Victor F. Sepavich, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application August 9, 1946, Serial No. 689,405
14 Claims. (Cl. 139—1)



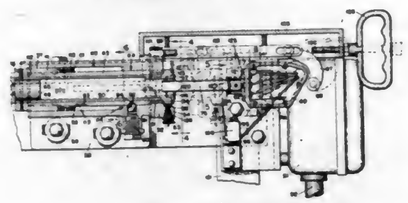
1. In an Axminster loom having tube frame transporting, weft beat-up, tuft cutting, and weft laying mechanisms all operated by a shaft forming part of the loom, an electric motor operatively connected to said shaft, electric circuit means for the motor including a switch and speed controlling resistance means, a shipper bar mounted on the loom for angular and longitudinal movement, and connections between the bar and said switch to control the latter by longitudinal movements of the bar and control the resistance means by angular movement of the bar.

2,455,504

DRIVING CONTROL FOR AXMINSTER LOOMS

Clarence R. Kronoff and Victor F. Sepavich, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application May 1, 1947, Serial No. 745,350
8 Claims. (Cl. 139—1)



1. In shipper control mechanism for the driving motor of an Axminster loom, fixed bearing means, a member slidable in said means but held against rotation relatively thereto, a cylinder

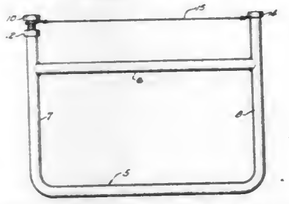
moving longitudinally with and rotatable within the member, a shipper bar operatively connected to the cylinder capable of longitudinal and rotary movements to cause longitudinal and rotary movements of the cylinder, rotary electric speed control means for the motor controlled by the cylinder, and an auxiliary handle connected to the member to cause longitudinal movement of the latter and the shipper bar for any angular position of the cylinder with respect to the member.

2,455,505

FLESHING TOOL

Arthur C. Lamy, Milwaukee, Wis.

Application December 20, 1947, Serial No. 792,926
3 Claims. (Cl. 69—20)



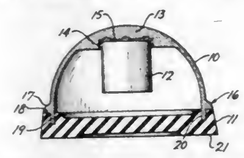
1. A fleshing tool comprising an extent of wire, a U-shaped frame having spaced arms, means for connecting one end of the wire to one of said arms, a bolt threaded in the other of said arms, means on said bolt to which the other end of the wire may be connected so that when the bolt is turned the wire is placed under tension, means for releasably locking the bolt in tension applying condition, and a reinforcing bar extending from one of said arms to the other and located sufficiently close to the outer ends of the arms to prevent inward deflection of the arms when the wire is under tension.

2,455,506

PIN PICKUP AND HOLDER

Myrl M. Leslie, Detroit, Mich.

Application February 15, 1946, Serial No. 647,706
5 Claims. (Cl. 223—109)



5. A pick-up and holder for pins or the like comprising a non-metallic non-magnetic dome, a permanent magnet secured centrally within the said dome and positioned nearer the top than the bottom thereof, and a non-magnetic closure at the bottom of the said dome, the said magnet being of such strength in proportion to the extent of the said dome that pins will be picked up and held firmly only to the upper portion of the said dome.

2,455,507

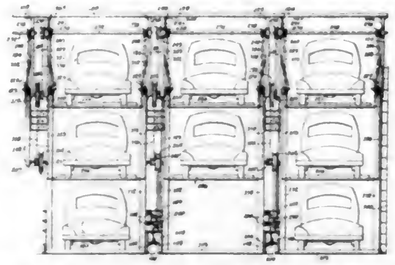
STORAGE RACK

Oliver A. Light, East Orange, N. J.

Application February 21, 1945, Serial No. 578,982
15 Claims. (Cl. 254—144)

1. A storage rack comprising a self-sustaining master unit and an adjacent unit thereto, each of said units having a four-post chassis at cor-

responding sides thereof, said adjacent unit being attached to and having support at its side

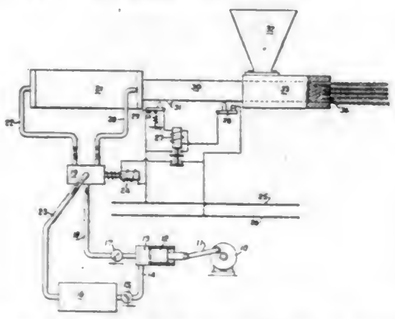


toward the master unit wholly from the chassis of the said master unit.

2,455,508
FOOD PRODUCT
Eugene Lilly, Colorado Springs, Colo.
No Drawing. Application December 7, 1945, Serial No. 633,531
1 Claim. (Cl. 99—111)

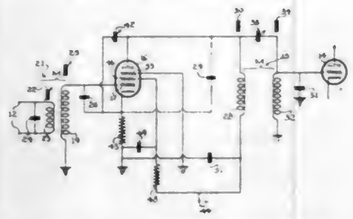
A method of making and packaging an edible paste food product from smoked meat of rainbow trout, which comprises grinding said meat; adding for each 12 pounds of meat about 5½ pounds of butter, 1½ pounds of corn flour, and flavoring during grinding; then adding about 4½ pounds of whole whipped eggs for each 12 pounds of meat during continued grinding to form an intimate intermixture thereof; packing the intimate intermixture in a container; exhausting and then sealing each said container; and then heating each said container for about 45 minutes, the corn flour being an absorbent for the butter and preventing settling out of the same.

2,455,509
METHOD OF EXTRUDING IRREGULARLY SHAPED CARBON RODS
Enrique L. Luáces, Dayton, Ohio, assignor to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio
Original application May 26, 1943, Serial No. 488,533. Divided and this application December 13, 1943, Serial No. 514,036
4 Claims. (Cl. 18—55)



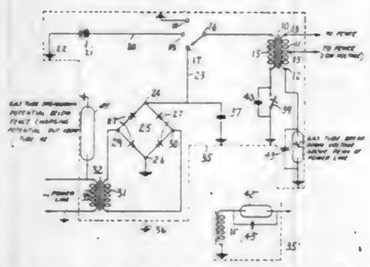
1. The method of making a contact mass of carbon comprising discrete granules each having a substantially globular portion of greater girth flanked by cylindrical portions of lesser girth, which comprises applying pulsating pressure to a confined mass of plastic material comprising carbon powder and binding material to thereby cause said material to pass through an extrusion die of uniform predetermined contour in a wall of the confining means.

2,455,510
BAND-PASS AMPLIFIER
James H. Ludwig, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 10, 1944, Serial No. 539,663
2 Claims. (Cl. 179—171)



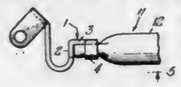
1. A band-pass amplifier comprising an input transformer having a tuned primary and a tuned secondary, said primary serving as the input means for the amplifier, a vacuum tube, means for connecting said secondary to the input electrode of said vacuum tube, an output transformer having a tuned primary and a tuned secondary, means for connecting said primary of the output transformer to the output electrode of said vacuum tube, a cathode resistor, means including the cathode resistor for returning said secondary of said input transformer to the cathode of said tube, means including a capacitance for returning said primary of said output transformer to the cathode of said vacuum tube, said cathode resistor providing a degenerative effect, and a regenerative connection including a variable capacitance from said output electrode connection means to the cathode of said tube.

2,455,511
ELECTRICAL FENCE CHARGER
Elmer K. Malme, Chicago, Ill., assignor to Guard-It Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 10, 1945, Serial No. 634,060
3 Claims. (Cl. 171—97)



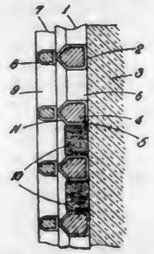
1. A fence charger comprising voltage transformer means having an input winding for energization from an alternating current power line at normal potential for domestic use, said power line having one side thereof grounded, said transformer means having a high potential output winding for providing a fence charging potential of an order substantially greater than any normal power line potential, a casing including a metallic portion for enclosing said fence charger elements, said metallic portion constituting one fence charger terminal, a second fence charger terminal adapted to be connected to a fence to be charged, said metallic casing portion being adapted to be connected to earth for providing a return circuit for fence charging, and a gas tube connected between said input winding and said case, said gas tube being conducting for potentials below fence charging potentials but above any normal potential in the in-put winding whereby, if said connection between earth and said metallic casing becomes impaired, a fence charging circuit may be completed through said gas tube without impairing normal insulation.

2,455,512
BOURDON TUBE END CAP
Edward A. McCoy, Eau Claire, Wis., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Skokie, Ill., a corporation of Illinois
Application September 20, 1946, Serial No. 698,349
5 Claims. (Cl. 73—418)



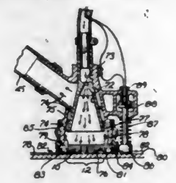
3. A Bourdon tube closure and connection comprising the end of a Bourdon tube of oblong cross section having a flattened extremity and a fitting comprising a body portion on one side of the flattened portion of said tube, said body portion having an extension providing an element of a pivotal connection and having an intermediate shoulder abutting the extreme end of the tube, there being lateral arms on said body portion embracing the flattened portion and holding the fitting fixedly upon the end of the tube, said fitting and tube end being further united by solder and the end of the tube being sealed with solder.

2,455,513
MANUFACTURE OF MOSAIC SCREENS
James Dwyer McGee, London, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application December 6, 1946, Serial No. 714,634
In Great Britain October 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 6, 1965
7 Claims. (Cl. 117—33.2)



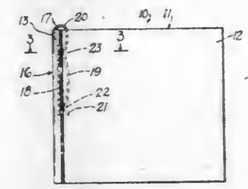
1. A method of manufacturing a double-sided mosaic screen from an insulated conducting mesh, said method comprising the steps of, covering one side of said insulated mesh by a further mesh, leaving the interstices in the insulated mesh exposed, covering the other side of said insulated mesh by a backing means to close the interstices of said insulated mesh, evaporating metal through said further mesh to deposit conducting elements of the metal in the interstices of said insulated mesh, removing said further mesh and backing means from said insulated mesh to leave said conducting elements in said insulated mesh and insulated from one another.

2,455,514
SURFACE TREATING METHOD AND APPARATUS
William H. Mead, Oakland, Calif.
Application August 2, 1945, Serial No. 608,386
12 Claims. (Cl. 51—8)



4. Apparatus for treating a surface and for collecting loose material from such treatment and preventing it from flying about, which comprises a casing having an open end spaced slightly above said surface, air-pervious deflector means secured around said end and adapted to rest on said surface to fill the space between said open end and said surface, suction means connected to said casing, jet means projecting within the said casing past said suction means connection toward said open end and terminating short thereof, said deflector means forming a maze-like passage to impede exit of treating material and permit entrance of air, and means to supply air laden with treating material to said jet.

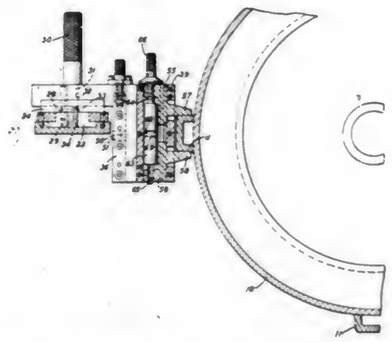
2,455,515
REINFORCEMENT AND SPRING CLIP CONSTRUCTION FOR BILLFOLDS
Samuel Miller, Kew Gardens, N. Y.
Substituted for abandoned application Serial No. 429,590, February 5, 1942. This application November 6, 1945, Serial No. 626,925
1 Claim. (Cl. 150—38)



A billfold having a plurality of separate leaves of pliable material, a one-piece binder tube of rigid material extending substantially the full length of the leaves and being split from end to end thereof to provide uniformly spaced free-edge jaws, the leaves having sections thereof permanently clamped between said jaws, these sections having portions projecting inward of the tube beyond the jaws and providing a flexible body in the tube, and a U-shaped spring clip having a crotch portion at an end of the split tube, one arm of the clip being external of the tube and lying freely exposed between the leaves so as to be adapted to be sprung over bills disposed in the billfold, the other arm of the clip being housed in the tube in overlying relation to said flexible body and being thus retained by the

tube in cooperation with the external portions of the leaves between which the outer arm lies, the said flexible body extending substantially from end to end of the split tube and the clip being movable at least partially longitudinally of the tube in snug, frictional engagement with the said flexible body to prevent accidental removal of the clip.

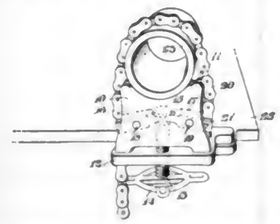
2,455,516
GAUGE FOR CHECKING THE CENTER LINE OF ELONGATE PARTS
Earl C. Moss, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1946, Serial No. 682,675
5 Claims. (Cl. 33—174)



2. A gage for checking the centerline of an elongate part with respect to the centerline of a cylindrical article upon the periphery of which the part is mounted, the gage comprising an arm, means to support the arm for movement in a guided path parallel with the centerline of the article, a floating element, means fixed to the arm to support the element and allow it to move freely in a fixed path at an angle with respect to the centerline of the article, the floating element having a gaging surface, jaws carried by the floating element to grip the part and cause movement of the element and its gaging surface relative to the arm, and a gaging element carried by the arm and having spaced gaging surfaces cooperating with the gaging surface of the floating element to indicate whether or not the centerline of the part at the portion being gaged is within predetermined limits of a given position relative to the centerline of the article.

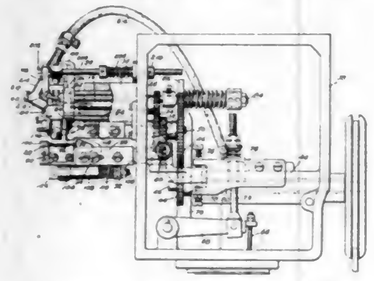
2,455,517
DOUBLE-ACTING CHAIN-TYPE PIPE VISE
Morgan L. Nielson, Richmond, Calif.
Application September 26, 1945, Serial No. 618,741
1 Claim. (Cl. 81—19)

In a pipe vise, a frame comprising a base and a pair of spaced upwardly extending pipe supporting jaws rigidly secured to said base having pipe centering cradling means in their upper sides, said base having a threaded bearing passage centrally between said jaws and in vertical line with the axis of a pipe supported in said jaws, a vertical screw threaded in said bearing passage, a pair of equal-length levers pivoted to said frame between said jaws at each side of said screw for swinging movement about horizontal axes, pivotal connection means between the inner ends of said levers and the upper end of said screw whereby rotation of said screw pivotally moves said levers, and a flexible pipe holding member connected to the outer ends of said levers



at equi-distant points from the axis of said screw, at least one connection thereof being adjustable lengthwise of said holding member.

2,455,518
INSOLE RIB CEMENTER
Hans C. Paulsen, Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 30, 1946, Serial No. 693,854
8 Claims. (Cl. 12—80)

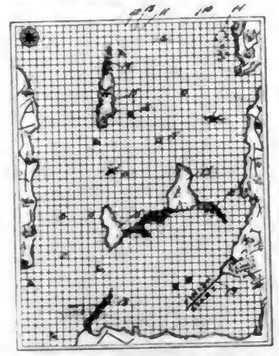


1. In a machine for coating soles having an upstanding rib and an adjacent channel, an upright driven roll for coating one face of said rib and an adjacent channel, means for supporting a sole with its rib in contact with the periphery of the roll and with said channel facing the end of the roll, said roll having grooves extending axially of the periphery thereof and an annular groove in its end face, said roll also having passages from said annular groove to some of the grooves on the periphery of the roll to permit coating material on the periphery to flow into the annular groove, and means for supplying coating material to said periphery above the lower end thereof.

2,455,519
SAILING GAME
James C. Powers, Jr., Barrington, R. I.
Application February 27, 1946, Serial No. 650,505
2 Claims. (Cl. 273—134)

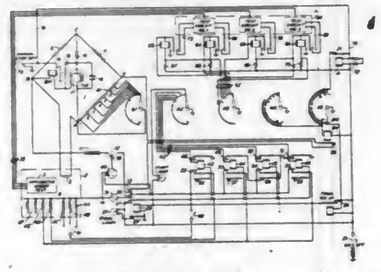
1. A game apparatus for use with playing pieces simulating sailing vessels comprising a game board having a playing area with right angularly intersecting lines forming paths with relation to which said playing pieces are movable over the playing area, said area being marked to indicate the wind direction relative to said paths so that said lines will indicate running, reaching and tacking paths of travel, and playing pieces in the form of sailing vessels movable over said board

and each having a sail shiftable with relation to the vessel as the vessel changes its direction of



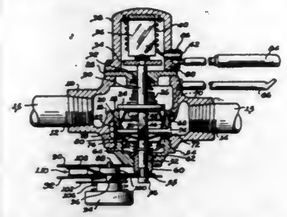
travel over said playing area whereby said sail is set to cooperate with the wind direction indicated.

2,455,520
TEMPERATURE CONTROLLED TEST SYSTEM
Glenn L. Prudhon, Plainfield, and Russell W. Spikula, Newark, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 24, 1944, Serial No. 528,012
11 Claims. (Cl. 175—183)



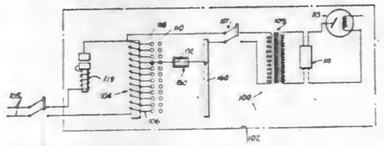
1. A control system for automatically controlling test circuits throughout a predetermined temperature range of an object under test, comprising in combination test circuits to be controlled for testing said object, a thermally responsive circuit control means having at least one temperature sensitive element arranged to be placed in thermal proximity to said object so as to be operated in response to a first predetermined temperature thereof, said means including an electric current control device controlled by said temperature sensitive element, a switching means connected to said current control device to be operated thereby in response to the operation of said temperature sensitive element, a plurality of switch controlled circuits connected to and controlled by said switching means, an adjusting means in said thermally responsive circuit control means for adjusting a circuit element thereof to adjust the temperature at which said circuit control means responds, circuits connecting said adjusting means to one of said switch controlled circuits whereby upon operation of said switching means the temperature at which said circuit control means responds is changed from said first predetermined temperature to a second predetermined temperature, and other circuits including others of said switch controlled circuits connected to the test circuits whereby the operation thereof is controlled by the switching means and consequently in accordance with predetermined temperature limits of said object under test.

2,455,521
SAFETY CONTROL FOR GASEOUS FUEL BURNERS
Harold W. Rice, Los Angeles, and George B. Solovieff, South Gate, Calif., assignors to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application April 26, 1945, Serial No. 590,470
16 Claims. (Cl. 158—117.1)



14. A safety control for fuel burners comprising means movable between positions for controlling the flow of fuel, an electromagnetic device having an armature operable for retentively positioning said controlling means when said device is energized, means for resetting said armature in engagement with said electromagnet device including a reciprocable stem for operating said armature and controlling means, means carried by said stem for limited slidable movement thereon, rotatable means offset from said stem and adapted for forward and reverse rotation, an element carried by said rotatable means for movement into and out of engagement with said slidable means for effecting said limited slidable movement followed by operation of said stem during said forward rotation, an arcuate slotted portion on said element having an enlargement terminating intermediate the ends thereof, and a head on said stem movable into operative engagement with said enlargement by said stem operation for limiting the rotation of said rotatable means in reverse direction to substantially one-half the rotation in forward direction when said armature is reset.

2,455,522
X-RAY APPARATUS
Irving Ringler, New York, N. Y.
Application April 8, 1944, Serial No. 530,163
10 Claims. (Cl. 250—95)

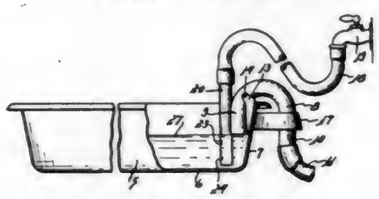


1. A calculating device for use in controlling the operation of X-ray apparatus, comprising a pair of spaced apart, fixedly related scale-carrying members, one of the members carrying a scale graduated in terms of the densities of the parts to be X-rayed, the other member carrying a scale graduated in terms of X-ray radiation necessary, and a plurality of members movable between the two relatively fixed members, one

movable member being contiguous to the fixed member carrying the scale of density of the part, said one movable member carrying a scale calibrated in terms of the product of the time of exposure and the current necessary for heating the filament of the X-ray tube and another scale calibrated in terms of the distance of the part to be X-rayed to the X-ray tube of the X-ray apparatus, and the other movable member carrying a scale graduated in terms of the thickness of the part to be X-rayed, said one movable member being adjusted to associate a selected graduation of said product of time and current necessary for filament heating with the graduation for density of the part to be X-rayed, said other movable member being adjusted between the said one movable member and the scale of X-ray radiation to associate a scale graduation on the other movable member with the scale on said one movable member for a distance between part and X-ray tube to determine from the resultant association of the graduation for the thickness of the part to be X-rayed with a graduation on the scale of X-ray radiation the X-ray radiation necessary to effect an X-ray for the part involved.

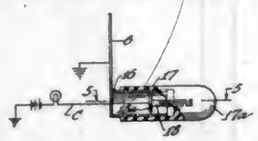
4. X-ray apparatus including an X-ray tube, and means for supplying an electrical potential to the X-ray tube, the supplying means including a circuit member, and means for controlling the member for imposing on the X-ray tube the proper potential for the production of the required X-ray radiation; said controlling means including a scale-carrying member substantially fixedly related to the circuit member, the scale-carrying member including a scale graduated in terms of the densities of the parts to be X-rayed, the circuit member having means for producing calibratedly varied potentials at its various positions in relation to the scale of the scale-carrying member, and a plurality of members movable between the scale-carrying and circuit members, one movable member being contiguous to the circuit member, said one movable member having a scale calibrated to superimpose on the fixed relationship between the scale-carrying and circuit members for each graduation on the fixed scale-carrying member a factor in terms of the thickness of the part to be X-rayed, the movable members also providing means for superimposing upon said fixed relationship a factor in terms of the distance between the object to be X-rayed and the X-ray tube, to determine from the resultant association of factors on the movable members with said fixed relationship the potential necessary to produce the radiation required for the X-ray of the part involved.

2,455,523
TRAY SIPHON AND AGITATOR
James Rodack, Detroit, Mich., assignor to Robar Research, Inc., Detroit, Mich., a corporation of Michigan
Application September 11, 1946, Serial No. 696,255
3 Claims. (Cl. 95—97)



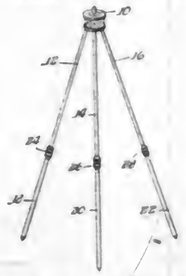
1. In a tray siphon and agitator of the class described a U-shaped siphon tube adapted for mounting on a wall of a tray having a bottom; a swingably mounted wedge on one end of said tube engageable with the inner face of said wall for maintaining said end of said tube directed vertically to the bottom of said tray; and a wedge member slidably mounted on the other end of said tube and engageable with the outer face of said wall for securing said wedge in wedging position.

2,455,524
TIRE DEFLATION INDICATOR
Anthony J. Schultz, St. Paul, Minn., assignor of one-half to Edward Crosby, St. Paul, Minn.
Application July 16, 1945, Serial No. 605,399
2 Claims. (Cl. 200—58)



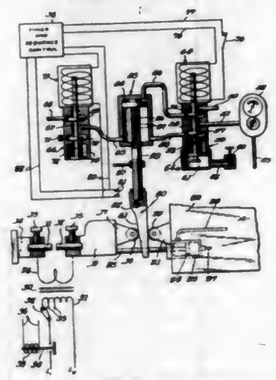
2. In tire deflation signalling apparatus, a depending, substantially rigid arm adapted to be secured to a vehicle substantially radially of a wheel thereof with the lower end thereof opposed to the side wall of a pneumatic tire, a tubular, conductive member secured to the lower portion of said arm and extending laterally thereof and perpendicularly to the adjacent side wall of the associated tire, a rubber nipple attached to the outer end of said tubular member and disposed concentrically thereof and having a deflectible free end adapted to be engaged by said wall when the associated tire is deflated below a predetermined pressure, said nipple internally carrying an axially disposed electrical contact member, said member extending into said tubular conductive member being normally disposed in spaced relation thereof, means for restraining said arm against oscillation axially of the associated wheel and threadedly adjustable means for varying the normal spaced relation of the lower end of said arm and the extermity of said nipple with respect to the adjacent side wall of the associated tire.

2,455,525
TRIPOD
Herman Schulz, Chicago, Ill.
Application September 14, 1945, Serial No. 616,310
6 Claims. (Cl. 248—191)



1. The combination comprising two coaxially arranged elongated cylindrical members interconnected by a connection, said connection comprising a slidably mounted housing, a multipart tapered gripping member slidably mounted on the inner cylindrical member and movable within said housing, means for causing said gripping member to resist telescopic movement of said cylindrical members, and manually operable means for moving said gripping member out of engagement with said latter means to permit telescopic movement of said cylindrical members.

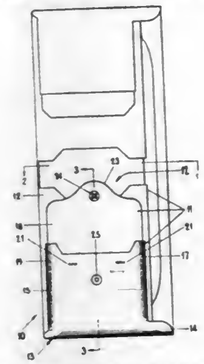
2,455,526
WELDING APPARATUS
David Sciaky, Chicago, Ill., assignor to Welding Research, Inc., Chicago, Ill., a corporation of Illinois
Application September 10, 1945, Serial No. 615,269
7 Claims. (Cl. 219—4)



1. In welding apparatus, in combination, electrodes for holding workpieces to be welded, a movable slide supporting one electrode and mounting the same for reciprocating movement toward and from the other electrode, a taper cam member adapted to reciprocate in a direction normal to the direction of movement of said slide for moving said slide, said cam member having a cam surface of characteristic contour for imparting predetermined movement to said slide, a pressure cylinder for reciprocating the cam member, and control means for said pressure cylinder including control valves for selectively admitting a pressure medium to the respective ends of said cylinder and for venting a pressure medium from at least one end of the cylinder at a controlled progressively increasing rate of discharge to thereby regulate travel of the piston toward said end.

2,455,527
STITCHLESS COMBINED BILLFOLD AND COIN PURSE
Louis Seamon, Brooklyn, N. Y., assignor to A. & L. Seamon, Brooklyn, N. Y., a firm
Application February 11, 1946, Serial No. 646,772
1 Claim. (Cl. 150—35)

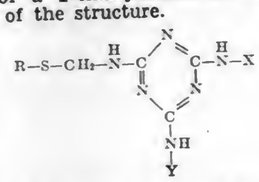
In a stitchless combined billfold and coin purse, said coin purse having its inner and outer walls lying flat against said billfold, a billfold body having a pocket and a continuation of the billfold material providing a front wall for said coin purse, said front wall having a crease defining a rearwardly foldable portion at one side edge thereof, said foldable portion being of a size providing an entire back wall for said coin purse, the other side edge of said front wall having a crease defining a strip rearwardly foldable into lapped relation about a side edge of said back wall, means passing through said back wall and said strip and through said billfold pocket material securing the central portion of said back wall to said pocket material, substantial side edge portions of said coin purse being unsecured to said billfold pocket material, said back wall having a continuation, said strip being positioned at the rear of said back wall to permit said continuation to form a flap closure for said coin purse coextensive with the width of said back wall, said unsecured side



edge portions being foldable inwardly of said coin purse up to said points of securement to open said coin purse, thereby simulating a bellows effect, permitting entrance to the full cross-sectional area of said coin purse.

2,455,528
ACCELERATING VULCANIZATION OF RUBBER
Raymond B. Seymour, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 11, 1945, Serial No. 604,505
8 Claims. (Cl. 260—784)

1. The process of vulcanizing a rubber which comprises heating a rubber and sulfur in the presence of a 2-thiazylthiomethyl substituted melamine of the structure.

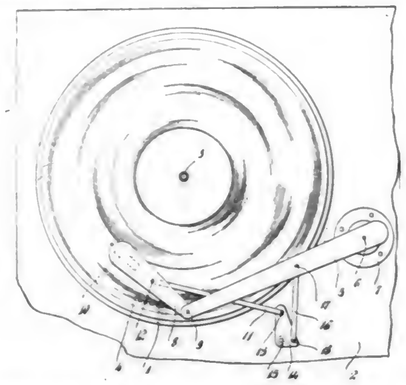


where R is a 2-thiazyl group and X and Y represent a material of the group consisting of hydrogen and —CH_2—S—R groups.

2,455,529
PHONOGRAPHIC DEVICE
Hubert L. Shortt, White Plains, N. Y., assignor to Polytron Corp., White Plains, N. Y., a corporation of New York
Application March 15, 1946, Serial No. 654,655
4 Claims. (Cl. 274—23)

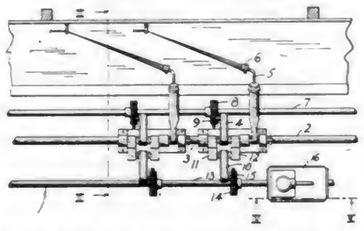
1. In a phonograph, in combination with a frame a grooved record rotatable on said frame and a stylus-mounting sound reproducing device, wherein said sound reproducing device is mounted on a kinematic chain in such position that at every point of the trajectory of the stylus it mounts said reproducing device tangent to the record groove engaged by said stylus a receiver arm carrying said sound reproducing device, a driver arm pivotally anchored to said frame and pivotally connected to said receiver arm, a link member pivotally anchored to said frame, a first connecting member pivotally connected to said

link member and to said receiver arm at a point intermediate the ends of this latter, and a second



connecting member pivotally connected to said link member and to said driver arm at a point intermediate the ends of this latter.

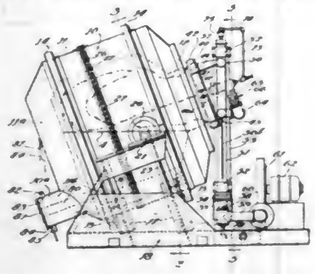
2,455,530
APPARATUS FOR THE PRODUCTION OF ARTIFICIAL FILAMENTS
Richard W. Stanley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 10, 1944, Serial No. 534,870
13 Claims. (Cl. 18—8)



1. Apparatus for producing artificial filaments of varying denier comprising a spinneret, a feed line for the material to be spun, a spinning pump having a constant volume discharge rate connected on its suction side to the feed line and on its discharge side to the spinneret, means for driving the pump at constant speed, an auxiliary rotary pump connected on its suction side to the feed line and on its discharge side to the spinneret, a reciprocatory hydraulic motor, a rotary hydraulic motor, and means for selectively connecting each of said motors to said auxiliary rotary pump for intermittently driving the auxiliary pump.

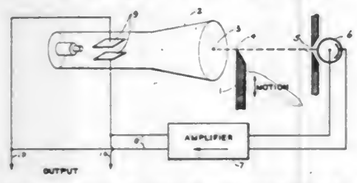
2,455,531
METAL FURNACE
Jack L. Stroman, Elmwood Park, Ill., assignor to The Petersen Oven Company, Chicago, Ill., a corporation of Illinois
Application October 6, 1944, Serial No. 557,453
3 Claims. (Cl. 266—33)

1. A metal melting furnace comprising a rotatable chamber having a refractory lining, the rear-end of said chamber being closed and the forward end being provided with a centrally located port for charging and firing the chamber and serving as a passageway for exhaust gases, a door including a refractory panel mounted independently of said chamber on a vertical axis for movement toward and away from the forward end of the chamber, said panel having a central opening adapted to register with said port, fluid fuel feeding apparatus mounted on said door and including a nozzle disposed in registration with



said opening, said mounting for the door being correlated to the end of the chamber whereby said panel may be disposed in closed position in a predetermined spaced apart relation to the forward end of the chamber to provide a passageway for exhaust gases discharging through the outer morginal portions of said port, means for guiding and supporting the chamber during rotation, and means for rotating said chamber.

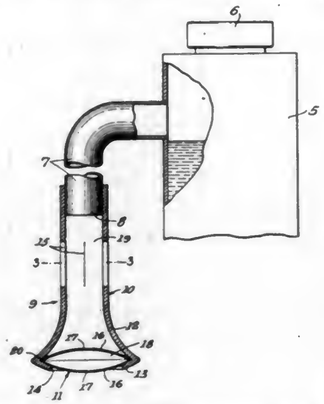
2,455,532
LIGHT RESPONSIVE DISPLACEMENT INDICATOR
David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, a corporation of Pennsylvania
Application May 24, 1945, Serial No. 595,579
8 Claims. (Cl. 177—351)



1. In a system for indicating mechanical movements of an object, a cathode ray tube capable of emitting a cathode ray, deflecting means for deflecting said ray, a luminous screen in said cathode ray tube, a light responsive device exposed to light from said screen, said object being interposed in the path between said screen and light responsive device, means for varying the light impinged on said light responsive device in accordance with a mechanical movement to be indicated, means for controlling the deflecting means of said cathode ray beam in accordance with the variation of light impinged on said light responsive device to restore a state of equilibrium, and means for indicating the electrical conditions necessary to restore the equilibrium.

2,455,533
COMBINED SAFETY AND SOUND-PRODUCING DEVICE FOR RADIATORS
John A. Swindle, Norwalk, Calif.
Application January 26, 1948, Serial No. 4,323
3 Claims. (Cl. 116—67)

1. The combination with a conventional water-cooling radiator having an overflow tube, of a sound producing device carried by the end of said tube and having an opening for passing water overflowing in said tube and also passing steam generated in the radiator, said device comprising oppositely curved relatively thin disc-like elements that define a chamber therebetween in



communication with said opening, and a resilient tubular member connecting the overflow tube and the sound producing device, the latter member having self-closing slits formed therein and adapted to open under excessive pressure of steam to relieve said pressure and thereby reduce the period during which the device sounds.

2,455,534
RETICULATED STRUCTURE AND METHOD OF MAKING THE SAME
Anselm Talalay, New Haven, Conn., assignor to The Sponge Rubber Products Company, Shelton, Conn., a corporation
No Drawing. Application January 26, 1946, Serial No. 643,822
4 Claims. (Cl. 154—101)

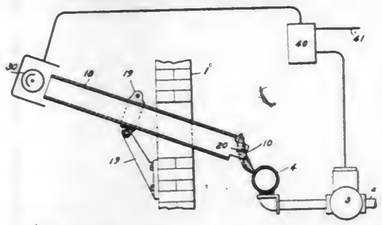
1. The method of making a stereoreticulate structure which comprises applying an aqueous dispersion of an elastomer to coat and bind to one another at their crossing positions the fibers of a three-dimensionally open-mesh, unwoven and unfelted web of fibrous material having substantially the fiber size and kink characteristics of wool, and plying up and adhering to one another a multiplicity of laminations of the so treated web material, the resulting structure being thus brought to its final condition of internal structure while in open-mesh, net-work form in all of the three dimensions, the coating and binding being effected by first spraying the web with the said dispersion and drying it, and then dipping it in the said dispersion and drying it, and adhesion of the laminations being effected by applying an adhesive to the sprayed, dipped and dried web material, the product by steps defined, being given a final ratio of elastomer to fiber greater than 2 to 1 by weight.

2. A stereoreticulate structure comprising a mass of unwoven and unfelted fibrous material having substantially the fiber size and kink characteristics of wool, the fibers being individually coated and bonded to one another at their crossing positions by a substance having substantially the resilient deformability of soft-rubber, the structure in its final condition being of substantially the same net-work form in all of the three dimensions, and the coating and bonding substance being distributed with substantial uniformity upon the fibers and the ratio of the coating and bonding substance to the fiber being more than 2 to 1 by weight.

2,455,535
ESTROGENIC SUBSTANCES
Ralph C. Tallman, Morristown, N. J., and Alfred H. Stuart, New York, N. Y., assignors to Schieffelin & Co., New York, N. Y., a corporation of New York
No Drawing. Original application May 30, 1944, Serial No. 538,089. Divided and this application November 10, 1945, Serial No. 627,972
4 Claims. (Cl. 260—613)

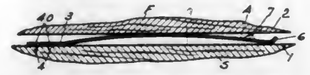
1. Alpha,gamma - di(alkoxyphenyl) propanes in which all of the propane carbon atoms are substituted by alkyl groups of less than six carbon atoms, and in which the alkoxy groups have less than six carbon atoms.

2,455,536
APPARATUS FOR SUPERVISING HEAT GENERATING MEANS
E. Craig Thomson, Boston, Mass., assignor to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 15, 1944, Serial No. 526,637
5 Claims. (Cl. 158—117.1)



2. Apparatus for supervising a heat generating means, comprising said heat generating means which radiates light of a comparatively low intensity, a light responsive device arranged for supervising said heat generating means, and a body arranged to be heated by said heating means and adapted to radiate light of a comparatively high intensity when heated by said heating means, the said body comprising an incandescible member imbedded in a transparent heat conducting envelope located in said energy source.

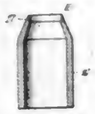
2,455,537
ANTIRATTLE DEVICE FOR WINDOWS
Joseph F. Vinciguerra, Methuen, and William C. Ford, Andover, Mass.
Application September 24, 1945, Serial No. 618,126
3 Claims. (Cl. 292—76)



1. An anti-rattle device for windows comprising a metal spring body of bowed-form, the convex side of the bow being of smooth, durable material unaffected by rubbing, and including a relatively straight holding end having two rows of angular holding teeth in groups of three, said teeth being punched from the material so as to project in the direction of the concave side of the bowed spring, the other end being slightly turned

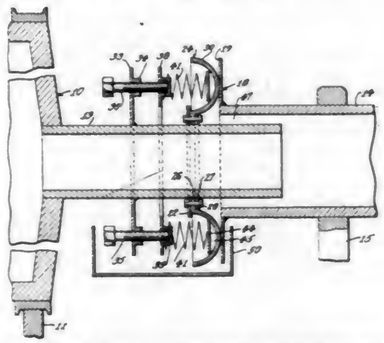
up in the direction of the convex side of the bowed spring and there being two or more relatively smooth faced bosses pressed from the material outwardly towards the said convex side of the bowed spring to a greater distance than the turned up end.

2,455,538
METHOD OF MAKING CUTTING TOOLS
Frank Wagner, Chicago, Ill., assignor to J. F. Helmold & Bro., Inc., Chicago, Ill., a corporation of Illinois
Application January 8, 1945, Serial No. 571,877
3 Claims. (Cl. 76—101)



2. The method of making a cutting tool of hollow tubular cross section, comprising radially constricting a hollow cylindrical tube at a predetermined nose section substantially coincident with the intended cutting extremity of the tool by spinning said tube sufficiently to substantially reduce the inner circumference of said nose section as compared to the normal inner circumference of the remainder of the tube, internally sharpening the portion of said restricted nose section which immediately adjoins the cutting extremity, thereby to define an annular cutting edge, and terminating said internal sharpening of said internally reduced nose section at a zone rearwardly adjoining said sharpened portion and disposed inwardly of said normal inner tube circumference.

2,455,539
JOINT CONSTRUCTION
Eugene A. Wahl, New York, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
Application December 29, 1944, Serial No. 570,344
4 Claims. (Cl. 285—97.1)



1. A pipe joint comprising communicating pipe sections having adjacent end disposed in non-gas tight relation and arranged to facilitate passage of a gas stream from one section into the other, at least one of said sections being rotatable about its axis, a diaphragm associated in gas tight relation with one of said sections and having a sealing face, a flexible membrane associated in gas tight relation with the other section and having a convex sealing face adapted to contact said first named face to form a gas seal, and resilient means for maintaining said sealing faces in gas tight contact whereby egress of gas from and ingress of gas to said gas stream is prevented.

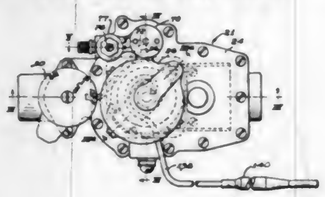
2,455,540
FLEXIBLE WRINKLE FINISH AND PROCESS OF MAKING
William A. Waldie, Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application December 11, 1944, Serial No. 567,791
13 Claims. (Cl. 117—41)

10. A method of producing a resin-free wrinkle finish oil cloth material consisting in heating a mixture of raw castor oil and at least the equal amount of dehydrated castor oil to a temperature of from 410 to 480° F.; adding drier catalyst; raising the temperature to 520 to 570° F. and maintaining it there until the desired viscosity is obtained; mixing a pigment paste and applying said material obtained on a fabric base; and thereafter allowing said fabric to air-dry for 10 to 30 minutes; and then subjecting it to infrared heat.

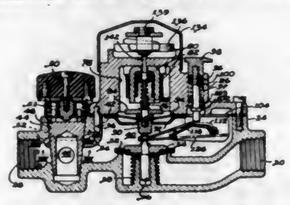
2,455,541
AIR DRY WRINKLE FINISH
William Allshire Waldie, Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 15, 1945, Serial No. 583,001
7 Claims. (Cl. 260—19)

4. An air drying wrinkle finish coating composition consisting of a mixture of 100 parts by volume of short oil varnish and 30 to 130 parts by volume of an oil drier; said short oil varnish being obtained by heating to from 500° to 540° F. until homogeneous from 2 to 15 gallons of conjugated double-bonded drying oil selected from the group consisting of tung oil and oiticica oil with 100 lbs. of oil-soluble rosin-modified phenol formaldehyde resin; and said oil drier being obtained by heat reacting at approximately 500° F. until homogeneous a mixture of 4 pounds of lead resinate and 5 pounds of cobalt resinate with from 10 to 20 gallons of said conjugated double-bonded drying oil and by then adding hydrocarbon thinner at 350° F.

2,455,542
SAFETY DEVICE FOR FUEL BURNERS
Victor Weber, Greensburg, and Russell F. Garner, Youngwood, Pa., assignors to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application April 1, 1944, Serial No. 529,201
8 Claims. (Cl. 158—117.1)

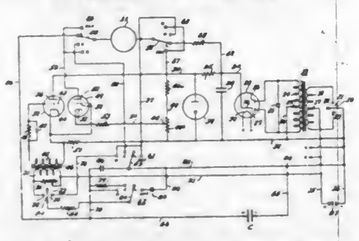


1. An electromagnetic device comprising an electromagnet member and an armature member movable relatively thereto between attracted and released positions, means for establishing magnetic force between said members sufficient to maintain said attracted position, and an expansible element operatively engageable with one of said members and being movable therewith rela-



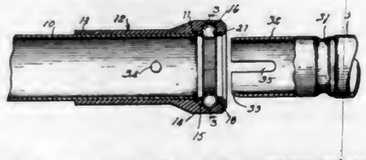
tive to the other said member upon expansion of said element to exert a force on said one of said members sufficient to overcome said magnetic force and cause movement to said released position.

2,455,543
CAPACITOR TESTING INSTRUMENT
Alan C. Williams, Minneapolis, Minn., assignor to Franklin Transformer Manufacturing Company, Minneapolis, Minn., a copartnership
Application August 20, 1947, Serial No. 769,633
4 Claims. (Cl. 175—183)



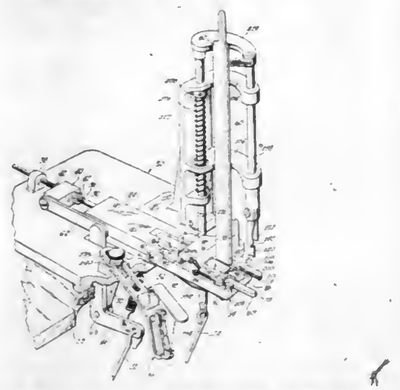
1. In a system for measuring the series resistance of an electrostatic capacitor, a charging circuit including a source of current of constant voltage in series with said capacitor, a resistor included in said circuit in series with said capacitor, a discharge circuit for said capacitor, a two-way switch continuously operating to open and close said circuits alternately, a transformer having a primary winding and a secondary winding, said primary winding being connected across said resistor, a grid-leak triode detector having its input electrodes connected across said secondary winding, and a meter responsive to the plate-cathode current through said detector.

2,455,544
PIPE COUPLING
John L. Yonkers, Northbrook, Ill.
Application July 26, 1947, Serial No. 763,851
6 Claims. (Cl. 285—169)



1. A pipe coupling for suction cleaners and the like comprising one pipe portion having a free end, a flexible sleeve disposed over said pipe portion and having a part extending beyond the free end of the pipe, said sleeve part having an annular channel therein, said channel having opposed lips at the inside sleeve face for defining an annular throat connecting said channel and the space enclosed by said sleeve portion, a metal garter spring in said channel adapted for circumferential expansion, said ring when freely contracted having an annular part beyond the throat, said freely contracted garter ring having an inside diameter smaller than the inside diameter of said one pipe portion and crowding said lips toward the sleeve axis, said sleeve having sufficient body so that the lips hug said spring at all times, a second cooperating pipe portion having an outside diameter less than the inside diameter of the first pipe portion for telescoping therewith, said second pipe portion having an annular groove formed on the outside thereof at a distance from the end thereof, the ouside diameter of said second pipe portion being greater than the inside diameter of the freely contracted garter spring so that said ring is expanded when around the ungrooved part of the pipe with said lips substantially clearing said second pipe surface, said garter spring contracting at the grooved portion of said pipe to maintain the coupling in locked position with said lips being pressed against the pipe material to form seals.

2,455,545
STRAP ASSEMBLING APPARATUS
Harry Alfandre, Jamaica, N. Y.
Application August 27, 1946, Serial No. 693,347
18 Claims. (Cl. 223—49)

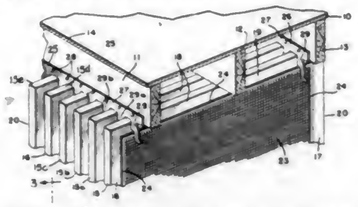


1. In buckle-and-strap assembling apparatus having a track leading to an assembly station and means for advancing a buckle in said track to said assembly station, a retractible stop normally projecting into said track in such close proximity to said assembly station as to back a buckle at said station and thereby prevent retraction of said buckle in said track from said station.

2,455,546
SASH HANGER
Eugene F. Barber, Minneapolis, Minn.
Application August 11, 1947, Serial No. 767,881
5 Claims. (Cl. 211—13)

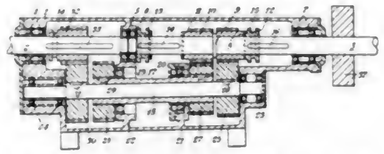
2. A sash hanger comprising a support, a supporting member depending therefrom, a second supporting member depending from said support and spaced from said first named supporting member to form an opening therebetween for the reception of a rail of a sash, a rest extending from the lower end of said first named supporting

member and into said opening and adapted to engage the under surface of the rail of the sash, an abutment on the second named supporting member at the upper end of the same and adapted to engage the sash to hold the same applied to said rest, a stop on said first named supporting member adapted to engage the lower portion of the rail of the sash adjacent said rest and to



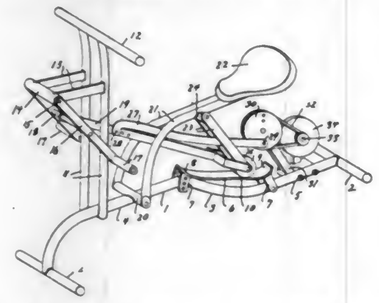
limit movement of said sash along said rest in one direction, said first-named supporting member above said stop receding from said stop, the rail engaging surfaces of said stop and abutment being substantially vertical, the distance between said surfaces being greater than the thickness of the rail of the sash and greater than the distance between the end of the rest and the line of said abutment.

2,455,547
REVERSING GEAR
Guy Barrett, Bosham, near Chichester, England, assignor to Wycliffe Foundry & Engineering Company Limited, Lutterworth, Leicestershire, England
Application January 30, 1946, Serial No. 644,313
In Great Britain November 8, 1944
7 Claims. (Cl. 74—377)



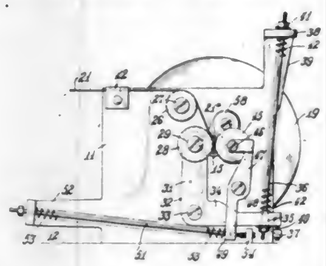
1. A reversing gear comprising a driving and a driven shaft arranged coaxially and end to end, a pinion rotatably mounted on the driven shaft but secured from axial motion with respect thereto, a second pinion also rotatably mounted on the driven shaft but secured from axial motion with respect thereto and in permanent driving connection with each of these pinions and secured from axial motion a dog clutch element, with each of which an axially displaceable dog clutch element rotatable with the driven shaft is associated to establish a driving connection between its related pinion and the driven shaft, two lay shafts each furnished with a toothed wheel, one in permanent and direct engagement with the first-mentioned pinion and the other through an idler wheel with the second-mentioned pinion, and on each of such lay shafts a toothed wheel positioned so that the one or the other of such wheels may be engaged by a pinion slidably mounted on the driving shaft but secured from rotation relative thereto and means adapted to secure simultaneous axial displacement of the pinion slidably mounted on the driving shaft and the dog clutch elements slidably mounted on the driven shaft to secure in changing from "forward" to "reverse" the following operations in the sequence stated: disengagement of the slidable dog clutch element co-operating with the dog clutch element of the first-mentioned pinion rotatably mounted on the driven shaft prior to the engagement of the other slidably mounted dog clutch element with the second-mentioned pinion mounted on the driven shaft and prior to the disengagement of the pinion slidably mounted on the driving shaft from the toothed wheel mounted on the lay shaft which is in permanent driving connection with the first-mentioned pinion and conversely in changing from "reverse" to "forward."

2,455,548
EXERCISING MACHINE
Joseph D. Bell, San Francisco, Calif.
Application July 22, 1948, Serial No. 40,045
11 Claims. (Cl. 272—79)



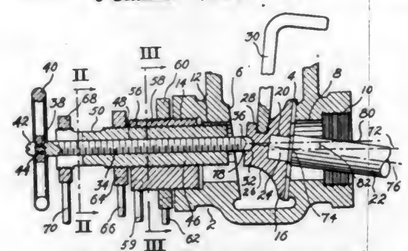
9. An exercising machine comprising an elongated main frame having a hand-grip post at its front end and elevating means rearwardly thereof, a pedal yoke swingably connected to the post, an auxiliary frame having one end connected to the main frame for swinging up and down movement and having a seat on the other end, a lift link swingably connected to the auxiliary frame intermediate its two ends and in cooperative relation with the elevating means, and a rod having one end connected to the pedal yoke and the other end to the lift link, the elevating means serving to raise the seat end of the auxiliary frame when the yoke swings forward.

2,455,549
SPRING WINDING MACHINE
Allen Benjamin, Chicago, Ill.
Application January 5, 1946, Serial No. 639,195
10 Claims. (Cl. 153—64)



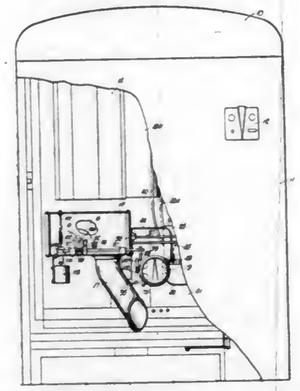
1. In an apparatus for winding a substantially flat coil ribbon having concave faces, in combination, a rotatable arbor including spaced eccentrics about both of which a shape-retaining strand is adapted to be progressively wound to produce elongated loops, and yieldable pressure applying means operatively associated with said rotatable arbor and being in continuous engagement with the loops to deform the reaches of said loops extending between the eccentrics inwardly.

2,455,550
VALVE RESEATING TOOL
Bruce H. Black, Gary, Ind.
Application August 13, 1945, Serial No. 610,609
6 Claims. (Cl. 90—12.5)



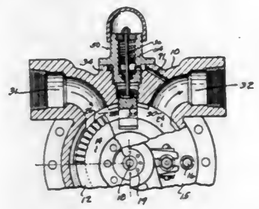
1. A tool for reseating a gate valve which has a threaded axial opening extending from each valve seat to the outside of the valve comprising a cutter, a rotatable shaft detachably connected to said cutter and extending through the opening adjacent the seat being cut, a spherical seat in the cutter on the side opposite the rotatable shaft, a feed screw, said feed screw having a spherical end for engaging the spherical seat of the cutter with the center of curvature of the spherical seat being at the point of intersection of the feed screw center line and the cutter center line, a bushing having a threaded opening therein for receiving the feed screw, and means for supporting the bushing with the feed screw extending into the axial opening in the valve on the side remote from the seat being cut.

2,455,551
DRINK VENDING MACHINE
Jack J. Booth, Dallas, Tex.
Application November 5, 1947, Serial No. 784,177
5 Claims. (Cl. 222—2)



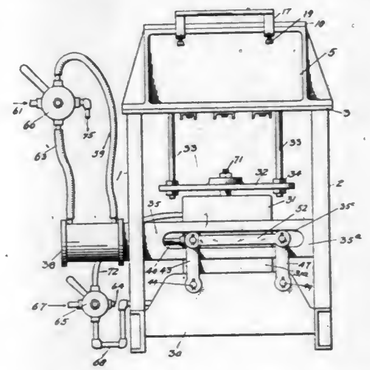
1. A flavoring syrup selector and carbonated water mixer comprising a body having a plurality of passageways, one of said passageways adapted to be connected with a source of carbonated water, each of the others to a separate source of flavoring syrup, a discharge spout from the valve, a selector plate in the valve with separate ducts individually registrable with one of the flavoring syrup passageways, the carbonated water passageway and the discharge spout, said selector plate movable to a plurality of positions in each of which a preselected syrup passageway is connected with the carbonated water passageway and to the discharge spout.

2,455,552
TURBINE PUMP
Clark D. Bower, Pomona, Calif., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application September 20, 1946, Serial No. 698,229
4 Claims. (Cl. 103—97)



1. In a rotary pump, a casing assembly providing a circular pressure developing channel therein and relatively adjacent fluid inlet and outlet passages open to the channel, a rotor having marginal buckets operative in the channel, stop means adapted for embracing the periphery and sides of the rotor and being selectively positionable relative to the channel and rotor in the casing zone between the inlet and outlet passages, said stop means being effective in one position for diverting fluid from the channel to the outlet passage, and in a second position for permitting channel by-pass of fluid between the inlet and outlet passages, and means normally urging the stop means to said one position, operable responsively to abnormal pressure in one of said passages for effecting said second position of the stop means.

2,455,553
BLOCK MOLDING MACHINE
James W. Briscoe, Los Angeles, Calif.
Application December 19, 1945, Serial No. 635,958
5 Claims. (Cl. 25—84)



1. In a concrete block molding machine, a stand, a mold on said stand open at the top to

receive a concrete mixture, a compression member seatable on the bottom of said mold, a plate below the mold parallel with said member, studs rising from said plate to the underside of the member, a casing vertically movable within the stand, transverse guides on said casing, a slide movable within said guides, a cylinder on one end of said guides, a piston in said cylinder rigidly connected with said slide, arms hung on the stand and pivotally connected with the slide, and means carrying pressure fluid to said cylinder to move said piston and slide thereby to swing said arms and so to move the casing and plate vertically.

2,455,554

ELECTRODEPOSITION OF COPPER

Henry Brown, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application January 5, 1946, Serial No. 639,412
6 Claims. (Cl. 204—52)

1. A bath for electrodepositing bright copper comprising an aqueous acid copper solution comprising essentially a material selected from the group of materials consisting of copper fluoborate, a mixture of copper sulfate and sulfuric acid, a mixture of copper sulfate, ammonium sulfate and sulfuric acid, a mixture of copper fluoborate and hydrofluoboric acid, and a mixture of copper fluoborate, ammonium fluoborate and hydrofluoboric acid, said aqueous acid copper solution also having dissolved therein acetyl cyanamide in a concentration ranging from about .1 to .7 gram per liter, said bath having a temperature falling within a range of from about 50° F. to about 100° F. and containing a greater molar concentration of copper salt than of acid.

2,455,555

ELECTRODEPOSITION OF NICKEL FROM AN ACID BATH

Henry Brown, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application May 1, 1946, Serial No. 666,508
2 Claims. (Cl. 204—49)

1. A bath for electrodepositing bright nickel comprising an aqueous acid solution of a material selected from the group consisting of nickel chloride, nickel sulfate, a mixture of nickel sulfate and nickel chloride, a mixture of nickel fluoborate and nickel chloride, a mixture of nickel fluoborate and nickel sulfate, and a mixture of nickel sulfate, nickel chloride, and nickel fluoborate, said solution having dissolved therein 2-nitrovinyl benzene sulfonic acid in an amount falling within a range of from about .3 gram per liter to saturation, said bath having a pH falling within a range of from 2 to 6.

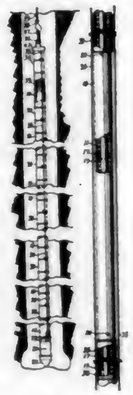
2,455,556

WELL TREATING APPARATUS

Julius G. Burch, Borger, Tex.

Application September 25, 1944, Serial No. 555,626
8 Claims. (Cl. 102—20)

1. A shell for treating wells including, a tubular enclosure, an explosive charge extending longitudinally of and disposed concentrically within and spaced from the enclosure so as to provide a substantially annular space therebetween, a substantially annular column of projectiles within said space, and means confining the projectiles within said space, each projectile having a substantially spherical body of frangible material



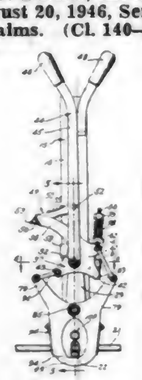
adapted to burst and disintegrate upon penetration of a well wall.

2,455,557

ROD CLAMP TOOL

Bingham F. Burner, Arlington, Va.

Application August 20, 1946, Serial No. 691,684
28 Claims. (Cl. 140—55)



1. An implement for securing to concrete reenforcing rods, fastening clips of substantially U-form and having spaced bendable legs; comprising a relatively long hollow body forming a magazine and having an outlet end, the magazine being formed at said outlet end to receive a rod and facilitating positioning the magazine substantially perpendicular to the rod for the discharge of a clip into straddling position on the rod, a lever pivotally mounted on the body, movable means carried by the body for engaging the legs of a discharged clip and bending the legs in crossed relation across the rod, and coupling means between the lever and said movable means for actuating the movable means.

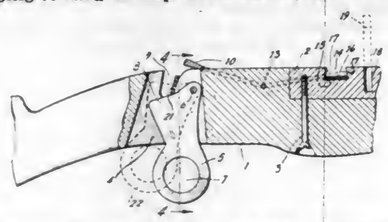
2,455,558

ELASTIC BAND PROJECTOR AND CAP EXPLODER

Thomas Fulton Burton, Brentwood, Mo.

Application January 7, 1946, Serial No. 639,542
6 Claims. (Cl. 124—2)

1. A toy gun comprising a stock having a breech and a simulated barrel secured thereto, said stock having a vertically extending slot adjacent the breech, a transverse recess at the upper end of said slot, a trigger pivoted to the stock within said slot and having a projecting shoulder which moves partially into said recess upon pivotal movement of said trigger, a U-shaped hammer having legs and a web portion, said legs being pivotally secured to said stock in front of the recess and said web resting on said stock adjacent said recess, an inturned portion at the free end of each of said legs forming a part of the pivotal connection between said legs and said stock, said stock having a transverse aperture therethrough accommodating said inturned portions, said barrel having a notch in the upper side thereof adjacent its breech and opening through the side walls of the barrel, the walls of said notch converging toward the top of the barrel, said hammer



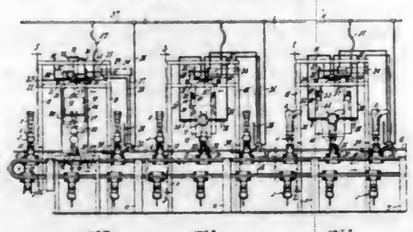
web portion resting on said stock between said recess and said notch, an impact plate on the bottom of said notch for receiving an explosive cap removably thereon, said barrel having a concave forward end, said recess and said concave end adapted to have a stretched elastic band seated therein, said projecting shoulder adapted to disengage the stretched elastic band from the lower portion of said recess upon pivotal movement of said trigger, the web of the hammer resting on the stock between said recess and said notch so as to be in the path of an elastic band released from the recess by movement of the trigger, said notch being positioned a proper distance from the pivot point of said hammer so as to receive said web when said hammer is swung forwardly.

2,455,559

APPARATUS FOR PRESSING FOOTWEAR AS IT IS CONVEYED

Edward H. Clark, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application October 10, 1945, Serial No. 621,427
13 Claims. (Cl. 12—1)



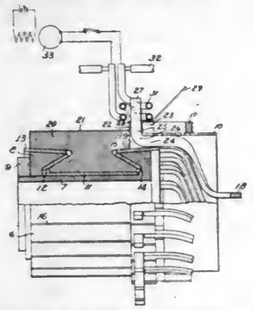
1. In a machine of the class described, in combination, a power driven conveyor adapted to advance a series of lasted shoes along a predetermined path, a carriage supported to travel a short distance along said path with one shoe and then move in the opposite direction into position to travel with the next shoe, a yielding member on said carriage for exerting pressure upon a shoe, and pneumatic means for moving said member laterally to the conveyor into and out of engagement with an advancing shoe so that the laterally applied force pressing the member against the shoe is pneumatically applied.

2,455,560

METHOD OF ARRANGING AND BRAZING SUPERPOSED COMMUTATOR LEADS

Carroll F. Cobb, Silverton, Ohio, Edward F. Brill, Milwaukee, Wis., and John R. Guenther, Chicago, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application August 6, 1945, Serial No. 609,186
7 Claims. (Cl. 219—12)



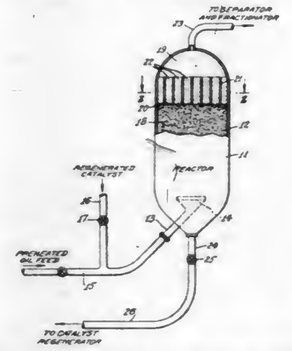
1. The method of making a commutator comprising the steps of providing a lower lead with a bent end portion, embedding said lower lead in the slot of a commutator bar with said end portion extending at least to the outer surface of said commutator bar, embedding an upper lead end portion in the portion of said slot extending between said lower lead and said surface, applying flux and fusible metal to said lead end portions, and heating said lead end portions and the adjacent portions of said commutator bar above the fusion temperature of said metal.

2,455,561

REDUCING DISENGAGING HEIGHT IN FLUIDIZED POWDER SYSTEMS

George D. Creelman, Cleveland Heights, Ohio, assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

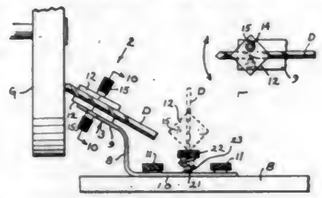
Application June 28, 1946, Serial No. 679,898
3 Claims. (Cl. 23—1)



1. A process for effecting contact between a finely divided solid contact material and a gas

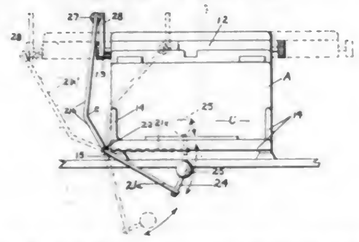
which comprises introducing the finely divided material into a contact zone, passing the gas upwardly through the finely divided material at a velocity adapted to maintain two distinct zones of concentration of the finely divided material in said contact zone, said zones being a lower dense phase of pseudo-liquid characteristics and an upper dispersed phase, passing the gas exiting from the top of the dense phase directly through a multiplicity of elongated vertical confined passageways extending upwardly through said second phase, and withdrawing the gas from the contact zone at an upper portion thereof.

2,455,562
DEVICE FOR REPOINTING TWIST DRILLS
David Crowther, Minneapolis, Minn.
Application November 12, 1946, Serial No. 709,191
3 Claims. (Cl. 51—219)



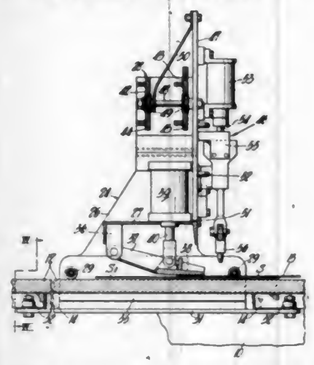
1. In a device for re-pointing twist drills, the combination of a drill clamping holder embodying two clamping plates having opposed longitudinal grooves in their surfaces for receiving a drill between them, said plates containing holes equally spaced laterally from said grooves, a clamping bolt secured to each of said plates and extending in opposite directions through the hole of the associated plate, and a support for said holder containing an opening in which either one of said bolts may be placed to serve as a pivot for swinging back and forth lateral movement of said holder with relation to the face of a grinding wheel.

2,455,563
TYPEWRITER CARRIAGE RETRACTOR DEVICE
Silas R. Dague, Wichita, Kans.
Application May 7, 1945, Serial No. 592,458
4 Claims. (Cl. 197—65)



1. In a typewriter carriage retractor and line spacing lever operating device of the kind described; the combination of a lever positioned in front of the keyboard of a typewriter, a shaft, said shaft being revolvably carried in bearing means that is detachably attached to the left side frame of the typewriter and holds the shaft in close proximity to and in parallelism with the said frame, said lever being carried by one end of said shaft, a second lever, said second lever being carried on the other end of the said shaft, said second lever having a bend therein whereby the lower end of the second said lever may assume a carriage retracting position substantially parallel with the vertical side of the typewriter side frame and the upper end of the second said lever will be positioned at a point between the sides of the typewriter, and means intermediate the upper end of the second said lever and the typewriting spacing lever for engagement therewith to operate the said spacing lever and to retract the typewriter carriage.

2,455,564
SPOT WELDING APPARATUS
William H. Dailey, Jr., Library, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application May 26, 1948, Serial No. 29,337
8 Claims. (Cl. 219—4)

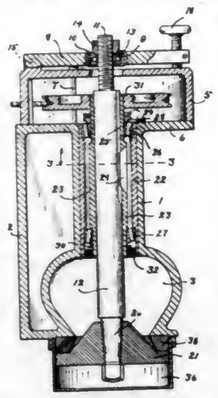


1. A welding apparatus for joining ends of metal strips comprising a support having a flat surface along which the strips may pass, a transverse frame bridging said support and being mounted thereon for longitudinal adjustment, a clamping device carried by said frame and having a lowered position in which it is adapted to engage and hold strips on said support and a raised position in which it clears the strips, motive means on said frame operatively connected with said clamping device for moving the latter, and a welding carriage carried by said frame for transverse adjustment and having a vertically movable welding device engageable with strips on said support.

2,455,565
VERTICAL AXIS CONE AND SHELL MILL
Robert F. Davis, Hibbing, Minn.
Application May 6, 1946, Serial No. 667,558
2 Claims. (Cl. 241—258)

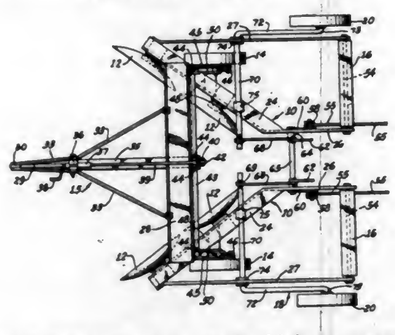
1. As a new article of manufacture an ore grinding mill comprising a main housing having an upright hollow cylindrical portion and a lower material receiving chamber, said chamber having an opening in one side thereof for insertion of material to be ground, a bearing sleeve within said cylindrical portion of said housing and being of substantially the same length as said cylindrical portion, a pair of roller bearings carried one at each end of said sleeve, a second bearing sleeve rotatably carried intermediate of said roller bearings, said second sleeve extending upwardly beyond said first mentioned sleeve, a key fixed to said second sleeve and extending inwardly within the bore thereof, an arbor carried within said second sleeve and having a portion thereof extending outwardly therefrom at both

ends, a keyway in said arbor leading from the upper end thereof downwardly to engage said key, a pulley fixed at the upper end of said second sleeve, said second sleeve and arbor being rotatable by said pulley, a grinding ring carried at the lower end of said housing, a grinding plate



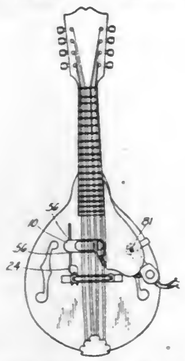
carried by said arbor at the lower end thereof and being rotatable therewith, said plate being cooperative with said ring to grind said material, a pan carried by the lower end of said housing to catch the ground material, and means for adjustably supporting said arbor within said second sleeve.

2,455,566
APPARATUS FOR FORMING IRRIGATION MOUNDS
Grover C. Deakins, Orange, Calif., assignor of one-half to Lester Arthur Baker, Anaheim, Calif.
Application July 28, 1944, Serial No. 546,965
4 Claims. (Cl. 97—55)



1. In combination in earth ridging apparatus: a framework adapted to be moved forward; means carried by a forward portion of said framework adapted to loosen earth; earth moving means movably carried by a rearward portion of said framework and adapted to move to and from earth moving position and to move loosened earth into ridge formation; a retainer to hold said earth moving means in earth moving position; a bell crank comprising an arm swingingly mounted on said framework; a contour follower carried by the swinging end of said arm in a position beyond the path of travel of and substantially in line with said earth moving means and an operative connection between said bell crank and said retainer for releasing said retainer from said earth moving means upon predetermined elevation of said contour follower so that said earth moving means will leave loose earth in said ridge formation.

2,455,567
MICROPHONE PICKUP AND VOLUME CONTROL
Harry De Armond, Toledo, Ohio, assignor to Rowe Industries, Toledo, Ohio
Application November 14, 1946, Serial No. 709,864
2 Claims. (Cl. 84—1.16)

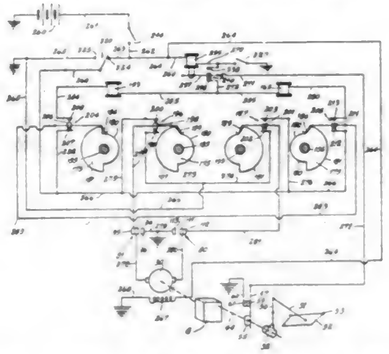


1. An electronic pick up device for stringed instruments adapted to be located between the strings of said instrument and the front face thereof, said device including a relatively thin electromagnetic pick up unit including a core comprising a plurality of vertically arranged individual magnets and a body of plastic insulation having a flat top and bottom into which said magnets are inserted; a winding surrounding said core; a casing therefor comprising an elongated base having a bottom plate; means in said bottom plate to locate said plastic mold in the casing, said base having a cover therefor, said cover having an elongated opening beneath some of the strings of the instrument between the same and said magnets and a connecting bridge across said opening, said bridge adapted to be located between certain other of said strings and the corresponding magnet.

2,455,568
REMOTE CONTROL FOR DISPLACEABLE OBJECTS
Clinton H. Dederick, Brentwood, Mo., assignor to The Emerson Electric Mfg. Company, St. Louis, Mo., a corporation of Missouri
Application April 21, 1943, Serial No. 483,903
28 Claims. (Cl. 318—32)

1. In a mechanism of the kind described, a driven shaft, a motor for driving said shaft, and means to determine the number of rotations of the shaft by controlling the number of rotations of the motor, said means comprising a control shaft adapted for movement toward and from a starting position, means to displace the shaft from starting position, a stepping magnet, an armature operated thereby, and means moved by movement of the armature to displace the shaft, for operating the control shaft in a return direction, means operated upon displacement of the control shaft away from starting position to effect energization of the motor, means likewise operated by displacement of the control shaft

away from starting position for effecting a circuit for the stepping magnet, and means operated by the motor to make and break the stepping magnet circuit to effect periodical operation



thereof to return the shaft to starting position, and said motor and said stepping magnet circuit being deenergized when the control shaft returns to starting position.

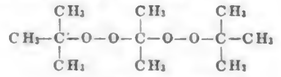
2,455,569

REACTION PRODUCTS OF TERTIARY ORGANIC HYDROPEROXIDES WITH ALDEHYDES OR KETONES

Frank H. Dickey, Pasadena, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 20, 1948, Serial No. 39,796
12 Claims. (Cl. 260—610)

1. Ditertiary butyl isopropylidene peroxide having the structural formula

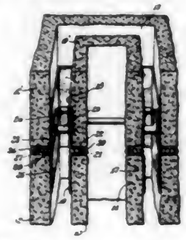


2,455,570

CHIMNEY CONSTRUCTION

Carl C. Droeger, Greenfield, Ind.

Application May 1, 1946, Serial No. 666,388
5 Claims. (Cl. 72—94)



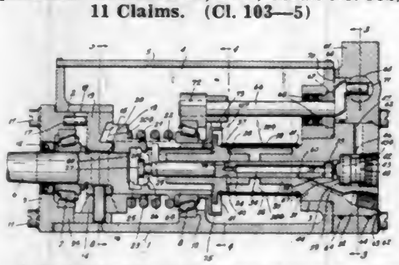
3. A chimney construction comprising a column of superposed tubular elements, a perimetrally-continuous member having a portion resting upon the upper end of one of said elements, the superjacent element resting upon said member portion and clamping the same in place, and a second column of superposed tubular elements surrounding and perimetrally spaced from, but enclosing, said first column, said member having a portion resting upon the upper end of one of the elements of said second column, and the superjacent element of said second column resting upon said last-named member portion and clamping the same in place, said member further perimetrally engaging a section of each of said columns.

2,455,571

FUEL INJECTION PUMP

Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application November 11, 1944, Serial No. 562,962
11 Claims. (Cl. 103—5)



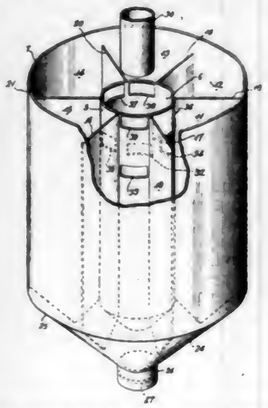
1. A fuel injection pump comprising a cylinder having a pump chamber with a fuel inlet passageway and a fuel discharge passageway, a plunger reciprocable in said cylinder and forming therewith said pump chamber, said plunger having a fuel by-pass port in communication with said pump chamber, said pump having a fuel by-pass conduit, a fuel control sleeve slidable on said plunger and having a fuel by-pass port in continuous communication with said by-pass conduit and adapted to communicate with the by-pass port of said plunger during the pressure stroke of the latter, and means operable by variation in the pressure of the fuel in said by-pass conduit for shifting said sleeve to bring the by-pass port thereof into communication with the by-pass port in said plunger at different points in the pressure stroke of the latter to thereby vary the quantity of fuel delivered through said discharge passageway.

2,455,572

GRAIN BLENDER

Earl R. Evans, Urbana, Ill.

Application July 8, 1948, Serial No. 37,591
7 Claims. (Cl. 259—180)



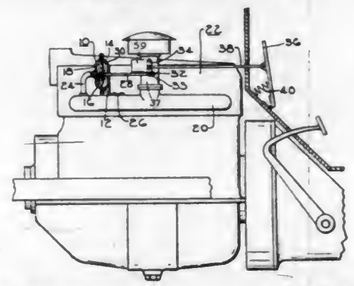
1. A blending device for fluent material comprising a compartment for receiving fluent material of varying character, a plurality of bins positioned around and adjacent said receiving compartment, said compartment and said bins being open at their lower ends, a downwardly tapered hopper positioned beneath said receiving compartment and said bins and forming a closure for the lower end of said device, there being openings at different elevations in the wall of said compartment communicating with different of said bins to permit fluent material in said compartment to discharge into different bins as the level of such material rises in said compartment, the arrangement of said openings being such that all of said bins do not receive material simultaneously from said compartment through said openings, a discharge outlet in the lower end of said hopper, and means for controlling discharge through said outlet.

2,455,573

SIGNAL MECHANISM

William J. Fant, Jr., South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 7, 1945, Serial No. 603,666
3 Claims. (Cl. 123—198)



2. In an automotive vehicle provided with an internal combustion engine including an intake manifold, an accelerator and a carburetor mechanism comprising a throttle valve and an economizer jet, means for advising the operator of the engine when the gaseous pressure within said manifold reaches the critical value which results in an operation of the economizer jet, said means including a pressure differential and spring operated motor unit comprising a casing, a power element within the casing and a spring housed within the casing, said spring, by virtue of its expanding operation, serving to subject the power element to a certain load when the motor is deenergized; fluid transmitting means interconnecting the motor unit and manifold and force transmitting means interconnecting the power element, throttle valve and accelerator, said force transmitting means being so constructed and arranged and so operative that when the power element is loaded by the spring, that is when the motor unit is de-energized, then the operator of the engine is advised, by virtue of said spring loading and the consequent resistance to motion of the accelerator, of the existence of the aforementioned critical gaseous pressure.

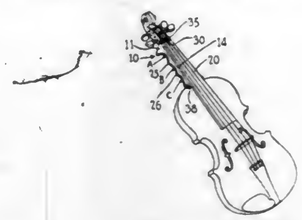
2,455,574

ATTACHMENT FOR VIOLINS AND ANALOGOUS INSTRUMENTS

Harry Allen Feldman, New York, N. Y.

Application September 13, 1945, Serial No. 615,982
8 Claims. (Cl. 84—314)

1. An attachment device of the character described for a musical instrument such as a violin, viola, cello, string bass or the like, comprising a substantially flat main body member having a free inner longitudinal edge and a free outer longitudinal edge, said outer longitudinal edge being of wavy contour to provide a plurality of indented areas adjacently disposed along the length thereof and adapted to receive a thumb of the player therein, the said member being



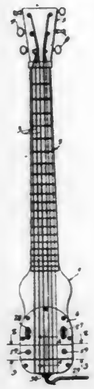
adapted, when in effective position, to be disposed with said inner longitudinal edge in abutting relationship with and adjacent to the neck of the instrument and with the said outer longitudinal edge containing the indented areas more remote from said neck, and means for removably maintaining said member in said effective position on said instrument.

2,455,575

PICKUP UNIT FOR STRINGED INSTRUMENTS

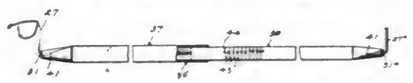
Clarence Leo Fender and Clayton Orr Kauffman, Fullerton, Calif.

Application September 26, 1944, Serial No. 555,818
13 Claims. (Cl. 84—1.15)



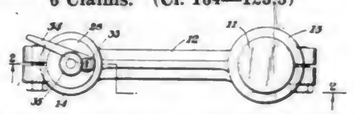
4. A pick-up device for stringed instruments, comprising: a series of tuned magnetic musical strings; a pair of channel-shaped pole pieces adapted to be disposed on opposite sides of said strings with their flange portions in confronting relation and forming sets of pole tips, the portions of said strings between said sets of pole tips forming armatures; magnet means connecting said pole pieces to form magnetic circuits through said pole tips and their respective musical string armatures the polarity of the tips of each pole piece being similar to each other but opposite from the corresponding tips of the other pole piece; and pick-up coil means disposed in said magnetic circuits and electrically influenced by vibrations of said musical string armatures.

2,455,576
CURTAIN AND DRAPE MOUNTING
Vitantonio Fiorentino, Long Island City, N. Y.
Application December 13, 1946, Serial No. 715,945
2 Claims. (Cl. 211—105.3)



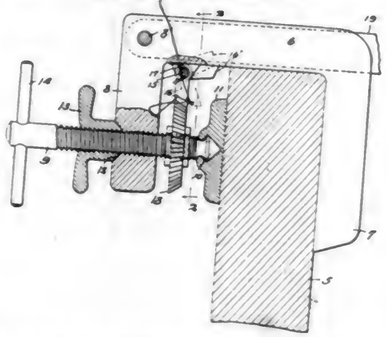
1. A curtain or drape supporting rod having tapered ends provided with supporting arm receiving openings, said rod being formed of hollow telescopic sections each of triangular cross section, and the outer end of each rod section being tapered and terminating in an inturned rolled edge forming the supporting arm receiving opening thereof.

2,455,577
CENTER PUNCH
Emil F. Hager, Queens Village, N. Y.
Application April 5, 1945, Serial No. 586,677
6 Claims. (Cl. 164—123.5)



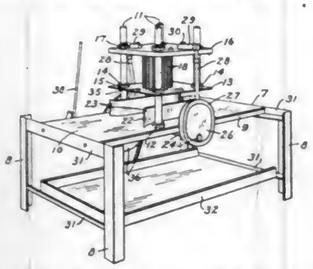
1. A center punch comprising a hollow body, means resiliently supporting an impression forming tool at the lower end of said body, a hammer disposed in said hollow body, a stem extending upwardly from said hammer and protruding out of the upper end of said body by which said hammer may be lifted to a cocking position for release to produce a hammer blow on said tool proportional to the elevated position of said hammer, and means for selecting different predetermined elevated positions from which said hammer may be released, said body, said hammer and said lifting means having clearance for vertical movement of said stem and hammer to minimize transmission of the lifting force to said body.

2,455,578
OUTBOARD MOTOR CLAMP
Pearl M. Haller, Bay City, Mich.
Application March 27, 1947, Serial No. 737,445
4 Claims. (Cl. 248—4)



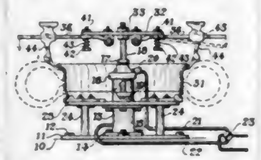
1. A device for removably clamping a motor to a boat, comprising a U-shaped main clamping member including an arm having a threaded opening, said main clamping member adapted to fit over a beam of a boat, a screw operating through the threaded opening of the arm, a clamp mounted on the inner end of the screw and adapted to clamp the beam of the boat, a pivoted arm mounted on the main clamping member to which the motor is secured, a gear secured to the screw, and a finger operated by the movement of the motor supporting arm, adapted to engage the gear, preventing rotary movement of the screw.

2,455,579
APPARATUS FOR TREATING CHEESE
Otto F. Hensel, Hustisford, Wis.
Application August 21, 1944, Serial No. 550,347
3 Claims. (Cl. 31—46)



1. In combination, a support having rigid upright posts and a group of holes therein between said posts, a lower plate resting upon said support and having a group of holes registering with said support holes, said lower plate resting by gravity upon said support and being maintained in position by said posts, guides coacting with said plate and said posts to hold successive cheese blocks in position over said holes, a medial plate secured to said posts and having a group of openings in alinement with said holes, an upper plate slidable along said posts toward and away from said medial and lower plates, a group of parallel perforating pins carried by said upper plate and being reciprocable within said openings and across the space between said lower and medial plates, and means for periodically reciprocating said upper plate along said posts.

2,455,580
AXIALLY SHIFTING TYPE, PEDESTAL MOUNTED TIRE REMOVING MACHINE
Ivan N. Hewitt, Medicine Lodge, Kans.
Application May 26, 1945, Serial No. 596,043
2 Claims. (Cl. 157—6)

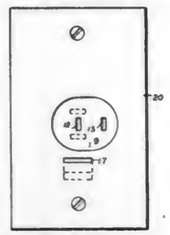


1. A tire removing and replacing device of the type described, having a base adapted to rest on and be secured to a floor, a rim supporting table positioned above the base and supported by the latter, a pressure jack mechanism secured to the base and extending to a point above the table, said jack mechanism having two relatively movable members one of which is attached to the base and the other movable vertically, a pressure plate secured to the upper end of the movable jack member, a plurality of pressure bars secured to the under surface of the pressure plate in radial position, the inner ends of said bars being connected for vertical pivotal movement, the pressure plate having an opening for each pressure bar, bolts extending through the openings and through the bars, a resilient means associated with the bolts and bars for exerting forces tending to raise the bars and hold them against the under surface of the plate while permitting downward pivotal movement in response to hammer blows, and downwardly extending pressure fingers mounted on the pressure bars for radial adjustment.

2,455,581
STABILIZED CELLULOSE ESTER COMPOSITIONS
Richard M. Hitchens, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 14, 1946, Serial No. 654,515
5 Claims. (Cl. 106—178)

1. A composition of matter possessing increased light resistance to the influences of light and weather comprising a cellulose derivative selected from the group consisting of cellulose esters of lower fatty acids and nitrocellulose, a plasticizer for said cellulose derivative and from 1 to 5 parts of benzyl benzoate per 100 parts of said cellulose derivative.

2,455,582
SAFETY ELECTRIC WALL PLATE
Carl L. Hoessel, Wauwatosa, Wis.
Application October 18, 1946, Serial No. 704,235
1 Claim. (Cl. 173—330)



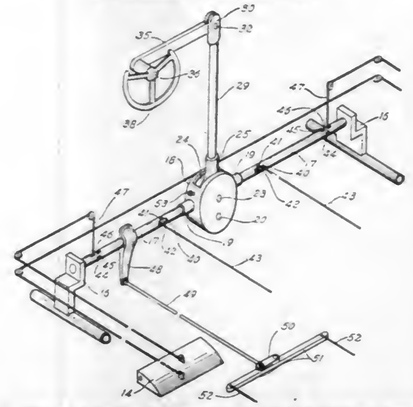
In an electrical wall outlet, the combination of an insulating block, a plurality of prong sockets lying in a common plane in said block and adapted to receive the pair of prongs of a plug, an elongated recess in said block, a cam slot in said block having an arcuate groove portion and a linear groove portion extending therefrom, a disk on said block and having prong holes lying in a common plane for receiving the prongs of the plug and initially positioned offset from the plane containing said prong sockets, said disk being angularly movable in said recess and bodily shiftable therein along the longitudinal axis thereof, a bushing secured to said disk and slidable in said cam slot whereby upon movement of said disk along the longitudinal axis of said recess said disk will be first rotated, placing the prong holes in the same plane as said prong sockets, and then shifted in the direction of said recess axis, causing the prong holes to register with said prong sockets, thereby allowing the plug prongs to pass from said prong holes into said prong sockets, and spring means anchored to said bushing and said block whereby upon withdrawal of the plug prongs from the sockets said disk is returned to initial position to block the entrance of the plug prongs into said prong sockets.

2,455,583
COMBINED SMOKING PIPE AND LIGHTER
Paul Truman Ireson, East Detroit, Mich.
Application June 27, 1946, Serial No. 679,831
2 Claims. (Cl. 131—185)



1. A smoking pipe of the kind described, comprising a tobacco bowl, a supporting ear projecting from the exterior of the bowl away from the same, a lighting fluid container slidably fitted to the ear for movements toward and away from the bowl, a lighting wick exposed by the container, a movable cap for concealing and exposing the wick and carried by the container, means on the ear for automatically moving the cap to concealing position on shifting of the container in one direction, and effecting the opening of said cap when the container moves in a reverse direction, means for automatically moving the container in the said one direction, flint sparking means on the container, and means on the ear for operating the sparking means when the container is moved in a direction to have the cap expose the wick.

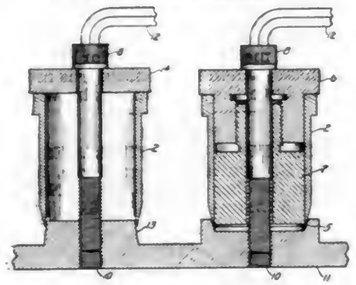
2,455,584
CONTROL FOR AIRPLANES
Charles R. Jamison, Morgantown, W. Va.
Application October 26, 1945, Serial No. 624,709
5 Claims. (Cl. 244—83)



1. In an airplane having flight controlling units comprising a rudder, an elevator and ailerons, a relatively long tubular member supported upon the airplane to extend transversely thereof and for turning on its long axis, said tubular member including a housing intermediate its ends, a normally upright column having one end extended into said housing, a pivotal connection between the said one end of the column and the housing by which the column may be swung in a plane extending transversely of the airplane, turning movement being imparted to said member by swinging movement of the column in a plane extending longitudinally of the airplane, a pair of wheels rotatably supported within the housing, an operative connection between one of the wheels and the lower end of said column by which turning movement is imparted to the said one of the wheels upon swinging of the column on its pivot in the plane extending transversely of the airplane, an operative coupling between the

said one of the wheels and one of the flight controlling units for the actuation of the latter upon the turning of said one of the wheels, an operative coupling between the other one of the wheels and another one of the flight controlling units for the operation of the last mentioned unit upon the turning of the said other wheel, means carried by the column for effecting the turning of the said other wheel, and an operative coupling between the said member and the third one of the flight controlling units by which the last mentioned one of the units is actuated upon turning of the member on its long axis.

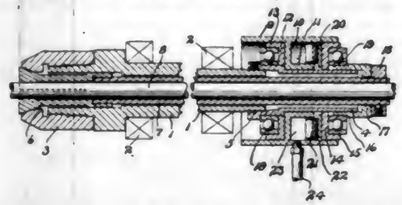
2,455,585
DEVICE FOR TRUING AND SHARPENING DOUGH CUTTERS
Sidney C. Kenyon, Lansing, Mich., assignor of one-half to Lawrence A. Gauss and Eugene S. Gauss, both of Lansing, Mich.
Application August 12, 1946, Serial No. 689,958
1 Claim. (Cl. 76—89.2)



A device for truing and sharpening dough cutters comprising a block provided with a boss, the said boss having a depression in the top thereof, the said depression having a slightly sloping inside wall, a threaded hole, the said hole being centrally located in the said block, an upper section, a lower section, each of the said sections having a hole located centrally therethrough, a bottom portion of the said lower section being positioned substantially in the depression of the said boss, the said upper section being positioned directly upon and above the said lower section, and the two sections being threadedly connected to each other, a threaded bolt, the said bolt having a round knurled head and a hexagonal depression for turning the same by means of a hexagonal wrench, the said bolt passing through the hole in the said upper section, passing through the hole in the said lower section and being threaded in the hole in the said block, and the said device adapted for placing a cutter therearound the said upper section, therearound the said lower section, and placing the cutting edge of the cutter therebetween a portion of the said lower section and the said sloping inside wall of the depression in the said boss, for truing the cutting portion of the said device.

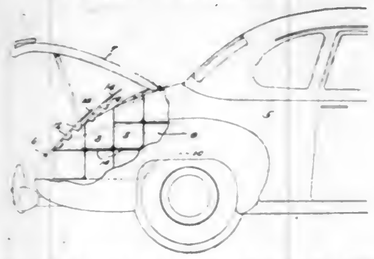
2,455,586
AIR COLLET CLOSER
Charles Kooima, Grand Rapids, Mich.
Application September 9, 1946, Serial No. 695,681
2 Claims. (Cl. 279—4)

1. The combination with a rotatably mounted spindle having a chuck at one end and a tube extending through the spindle and projecting from the end opposite the chuck, said tube being connected to said chuck to operate the same by longitudinal movement, of a sleeve connected to the spindle and rotatable therewith, a stationary cylinder having an in-turned flange between its ends surrounding said sleeve, a piston within the cylinder, a cup slidably mounted at the end of



the sleeve, means for connecting the cup to said tube, anti-friction bearing means between the cup and the piston; anti-friction bearing means between the sleeve and the cylinder, and means for injecting fluid under pressure between said in-turned flange and said piston.

2,455,587
MOTOR VEHICLE CARRYING CASE
Alexander Konrad, Cleveland, Ohio
Application December 23, 1947, Serial No. 793,338
2 Claims. (Cl. 224—42.42)



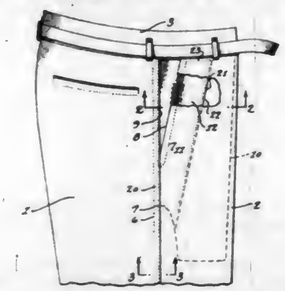
1. Carrying cases for positioning in the luggage carrier of a motor vehicle having a curved closure, comprising a plurality of case units adapted for fitting within the luggage carrier one upon another completely filling the luggage carrier space, an extension of the casing of each unit forming a retaining flap, certain of said retaining flaps being positioned between adjacent units holding the units against movement with respect to each other.

2,455,588
GARMENT
Tobias Kotzin, Los Angeles, Calif.
Application August 7, 1945, Serial No. 609,438
2 Claims. (Cl. 2—248)



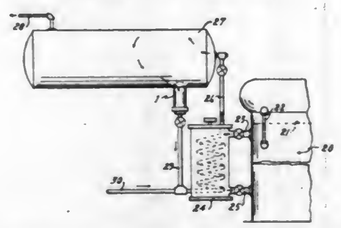
2. In a garment: a layer of material; a patch pocket on said layer; and an eyelet extending through each upper corner of the pocket and through said layer of material, each of said eyelets forming an aperture extending entirely through the upper corner of said pocket and said layer of material; a gimp on the eyelet around said aperture; and threads sewed over the gimp and through the marginal portions of the eyelet, said threads passing through the pocket and layer of material for securing said layer, pocket, eyelet and gimp firmly together.

2,455,589
TROUSERS
Tobias Kotzin, Los Angeles, Calif.
Application August 27, 1945, Serial No. 612,797
4 Claims. (Cl. 2—227)



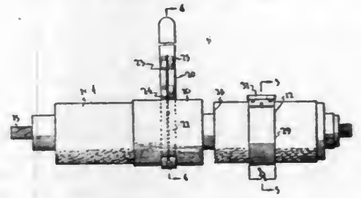
1. In a trouser: pieces forming, respectively, the front and back of the trouser leg, the back piece overlapping the outer face of the front piece; and said front piece having an upper portion defining one edge of a pocket opening, said portion being unattached to the back piece, the front and back pieces being otherwise sewed together at the side of the leg; and means forming a pocket having an opening, said means at one side of the opening being attached to said upper portion, and at the other side of the opening being attached to the back piece by one or more rows of stitching along the side of the leg, said pocket means at the other side of the opening being disposed within said back piece.

2,455,590
TEMPERATURE LIMITING HOT-WATER SYSTEM SUPPLY
Herbert Krauss, Woodside, N. Y.
Application June 18, 1946, Serial No. 677,606
1 Claim. (Cl. 236—19)



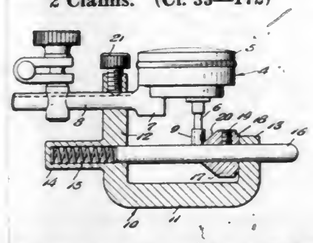
In a water heater, in combination with a storage tank, a first and second water pipe, a water outlet pipe connected to said storage tank, said first water pipe connected at one end with said storage tank to deliver water to the interior of said tank, the second water pipe connected at one end with said tank to draw the cooled water from said tank, said first water pipe provided with a heat exchanger connected to a heating source, said second water pipe provided with a thermostatic valve to open or close said water pipe depending upon a pre-determined temperature for operation of said thermostatic valve, said first and second water pipes connected at their opposite ends to a common water supply, means to replenish said storage tank through said first water pipe with hot water from said heat exchanger whenever water is withdrawn from said storage tank, and means to withdraw water from said storage tank to be circulated through said heat exchanger and restored to said storage tank when the temperature of said water drops below a pre-determined temperature.

2,455,591
INSULATION CUTTING TOOL
William S. Lindsay, Harriman, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application December 4, 1944, Serial No. 566,584
2 Claims. (Cl. 30—95)



1. A cable insulation cutting device of the character described comprising an elongated cylindrical sleeve for disposition about the insulation of a cable, a slot extending transversely across the body of said sleeve, a handle mounted on said sleeve adjacent one end for pivotal movement about said mounting, and a cutter on said handle for movement into said slot radially of the sleeve for cutting the insulation of the cable as the sleeve is rotated thereon.

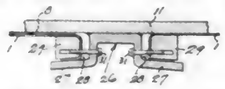
2,455,592
ADAPTER ATTACHMENT FOR INDICATOR DIALS
John F. Lively, Mount Vernon, Ohio
Application August 9, 1944, Serial No. 548,769
2 Claims. (Cl. 33—172)



2. An adapter attachment for a dial test indicator comprising a substantially U-shaped frame embodying a bight portion and a pair of complemental arms, said arms being substantially parallel to one another, one arm having a guide opening for accommodation and passage of a sliding contact finger, the remaining arm being provided with a bore and a socket aligned with said bore, said socket extending outwardly beyond the arm and being in alignment with the opening in

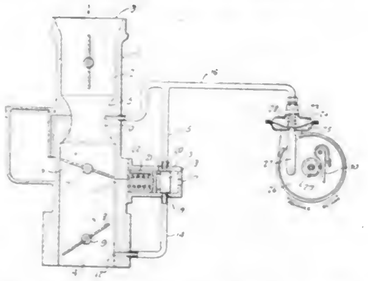
said first-named arm, a coiled spring located and confined in said socket, a work-contact finger having one end slidable in said bore and the opposite end passing through the opening in said first-named arm and projecting beyond said arm, the upper end of said second-named arm being apertured and provided with a set-screw projecting into said aperture to accommodate an arm on a dial indicator, and an annulus mounted on said contact finger inwardly of said first-named arm, said annulus being provided with a conical cam for coaction with the usual actuating rod provided on said indicator.

2,455,593
ARRANGEMENT FOR COVERING SHIP HULLS
Ernst Loewenstein, San Francisco, Calif.
Application February 28, 1944, Serial No. 524,187
2 Claims. (Cl. 114—84)



1. A protective covering for the outside surface of the underwater portion of a ship, comprising a plurality of water resistant sheets of smooth outer surface laid on said surface to cover the same, and securing elements on the side of the ship and along the edges of the respective sheets to tightly hold said sheets and seal said edges thereof, said securing means including a system of flanges on the sides of said ship forming a system of channels of tapering cross section, and clamp elements holding the respective edges of said sheets wrapped around the sides of the clamp element in contact with said channel and being wedged into the respective channels.

2,455,594
IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application May 7, 1945, Serial No. 592,364
3 Claims. (Cl. 123—117)

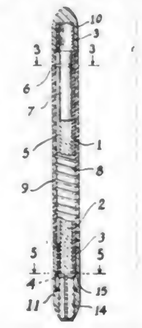


1. An ignition system for an internal combustion engine comprising an ignition timer, an intake passageway, a throttle valve in said intake passageway, a governor valve in said intake passageway on the engine side of said throttle valve, a device actuated by changes in pressure in the intake passageway for controlling the said timer to advance and retard the spark, an orifice in the intake passageway on the engine side of said governor valve, a conduit connecting said orifice with said pressure actuated device, a second orifice in said intake passageway on the engine side of said throttle valve when in idle position and on the atmosphere side of said throttle valve when partly open, a valve actuated by changes in pressure in the intake passageway for controlling fluid flow through said first mentioned conduit, said pressure actuated valve being subjected on one side to atmospheric pressure and on the other side to the pressure obtaining at said second orifice, a housing for said valve in communication with said second orifice whereby when the throttle valve is closed the intake passageway suction acts through said second orifice to close said valve and shut off communication between the first orifice and the pressure actuated device to retard the spark timing and a venturi in said intake passageway positioned on the atmosphere side of the throttle valve, a third orifice in the venturi and a conduit connecting the third orifice and said pressure actuated device whereby when said throttle valve is open said valve opens communication between the first orifice and the pressure actuated device so that the intake passageway pressures on the engine side of the governor valve as modified by the pressure obtaining at said third orifice are utilized to control the ignition timer.

2,455,595
PROCESS OF MANUFACTURING POTASSIUM TETRABORATE AND SODIUM TETRABORATE
Frank Henderson May, Trona, Calif., assignor to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
No Drawing. Application January 22, 1944, Serial No. 519,340
8 Claims. (Cl. 23—59)

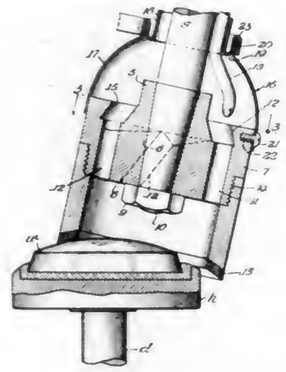
1. A process of manufacturing potassium tetraborate tetrahydrate, which comprises heating and reacting potassium pentaborate and a sodium compound from the group consisting of hydroxide, carbonate and bicarbonate to form sodium and potassium tetraborate in solution, thereafter cooling the solution to a point sufficient to crystallize borax from the solution while the potassium tetraborate remains dissolved in the solution, removing the crystallized borax from the solution, and thereafter inducing crystallization of the potassium tetraborate to cause it to precipitate as potassium tetraborate tetrahydrate $K_2B_4O_7.4H_2O$.

2,455,596
MECHANICAL PENCIL
Wilbur D. Mease, Berkeley, Calif.
Application March 28, 1945, Serial No. 585,231
4 Claims. (Cl. 120—18)



1. A mechanical pencil comprising a lead-receiving barrel, a tip on the barrel from the outer end of which the lead projects for writing, means in the barrel to advance the lead through the tip, a lead gripping member in the tip, said member comprising a longitudinally split spring sleeve tending to contract and normally gripping the lead, an outwardly facing flared element on the sleeve, and a cooperating flared shoulder in the tip to engage said element and cause the element to spread upon advancing longitudinal movement of the sleeve.

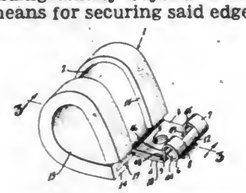
2,455,597
GRINDING WHEEL
Leopold H. Metzger and Wilson B. Muse, Chicago, Ill., and Fred J. Pease, Wauwatosa, Wis., assignors, by mesne assignments, to Super-Cut, Inc., Chicago, Ill., a corporation of Illinois
Application December 7, 1945, Serial No. 633,334
4 Claims. (Cl. 51—209)



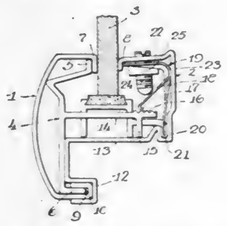
1. A grinding wheel adapted to be driven about its axis in one direction and comprising a hub, a web connected to and extending outwards from the hub, and a cylindrical rim having one portion thereof extending around and connected to the outer marginal portion of the web and in addition having one of its end portions projecting in one direction beyond one exposed surface of the web and provided on its outer extremity with abrasive material, said web having extending completely therethrough an elongated straight duct for conducting to the inner periphery of said one end portion of the rim a coolant that is supplied to the other exposed surface of the web, said duct having the receiving and discharge ends thereof spaced substantially equidistantly from the axis of the wheel, being inclined from the receiving end thereof to its discharge end in a direction opposite to the direction of drive of the wheel, and having at its said receiving end means forming a scoop facing in the direction of drive of said wheel and shaped and arranged so that during drive of the wheel it serves positively to direct into the receiving end of the duct the coolant that is supplied to said other exposed surface of the web.

2,455,598
CLAMP
Andrew B. Michalenko, Los Angeles, Calif.
Application July 12, 1947, Serial No. 760,624
2 Claims. (Cl. 248—74)

1. A clamp having a hollow body adapted to receive wires, tubing or the like, said body having a bolt receiving end, said body having an overhang extending axially beyond one edge of said end, and means for securing said edge of said end against a support with said overhang overlying and supported by the edge of said support.

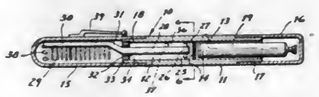


2,455,599
GLASS HOLDING DEVICE
James T. Miller, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application June 22, 1944, Serial No. 541,596
7 Claims. (Cl. 20—56.4)



1. In a glass holding device including an inner sash member held in fixed position and an outer sash member removable and adjustable with relation to the inner sash member, and means for adjustably and detachably mounting the outer sash member in assembled relation in which it engages and retains a pane of glass, said means comprising a lug carried by the outer sash member, a spring clip anchored in the inner sash member, spaced serrations provided on the lug, a resilient depending tongue on the clip provided with a rearwardly and downwardly projecting end and an adjusting screw adapted to bear on the tongue and to depress the end of the tongue into locking engagement with one of the serrations depending upon the thickness of the glass to be retained.

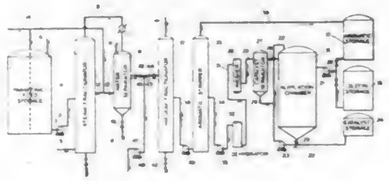
2,455,600
POCKET PROPHYLAXIS DENTAL UNIT
Matthew J. Molumby and Leon F. Molumby, West Union, Iowa
Application December 21, 1945, Serial No. 636,468
3 Claims. (Cl. 132—84)



1. The described device comprising a barrel having a compartment and a tooth-brush having a square shank telescopically operating in said compartment, said shank being centrally positioned in the compartment, means for centering the shank in the barrel, said means including an apertured disc plugging an end of the barrel, said

shank being held from turning in the disc, means for holding the shank extended, said last mentioned means consisting of a slot extending from the hole in the disc and a slide pin in the shank adapted to pass through the slot into the compartment with the shank and acting upon the disc to prevent inward movement of the brush and shank when extended.

2,455,601
PRODUCTION OF SOLVENTS
Lloyd C. Morris, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 6, 1946, Serial No. 674,701
6 Claims. (Cl. 260—671)

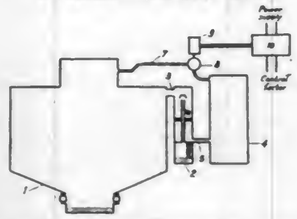


1. A process for producing a solvent having low odor intensity and controlled solvent power which comprises: fractionating the product resulting from hydrofluoric acid alkylation of a low-boiling isoparaffin with a short chain olefin; withdrawing a fraction boiling above 300° F.; removing dissolved oxygen from said fraction by blowing an inert odorless gas therethrough; steam distilling said fraction with air-free steam; maintaining non-oxidizing conditions in sucn distillation by injecting inert odorless gas; withdrawing an overhead product comprising water and hydrocarbons; introducing said overhead product and inert, odorless gas into a settling zone and separating the liquids therein into a substantially odorless hydrocarbon layer and a water layer; withdrawing said hydrocarbon layer; concomitantly alkylating benzene with a high-boiling olefin concentrate from a process for catalytically cracking high-boiling naphtha in the presence of a catalyst comprising boron fluoride; separating residual benzene and catalyst from the resulting aromatic alkylate; distilling said aromatic alkylate under vacuum in a fractionation zone; withdrawing a fraction of aromatic alkylate; blending said fraction of aromatic alkylate with said substantially odorless hydrocarbon layer withdrawn from said settling zone; and controlling the solvent power of the resulting solvent by controlling the percentage of aromatic alkylate added thereto.

6. A solvent having high solvent power and low odor, consisting of a highly branched paraffinic HF alkylate boiling above 300° F. in admixture with an alkylated benzene wherein the alkyl group contains at least 7 and not more than 18 carbon atoms, said solvent having the following properties:

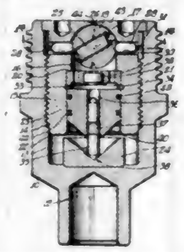
Boiling range, ° F.	350–450
API gravity (60° F.)	38.6
Index of refraction (20° C.)	1.475
Bromine number	Zero
Kauri-butanol value, cc.	80
Flash point, ° F.	130
Odor	Good
Analine point, °F.	25

2,455,602
MERCURY-VAPOR ELECTRIC CONVERTER
Roger Neirynck, Mont-sur-Marchienne, Belgium, assignor to Societe anonyme dite: Ateliers de Constructions Electriques de Charlerol, Brussels, Belgium, a company of Belgium
Application February 24, 1948, Serial No. 10,325
In France March 29, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 29, 1963
5 Claims. (Cl. 250—27.5)



1. A mercury vapor converter comprising a rectifier, a reservoir for excess gas, a high vacuum pump interposed between said rectifier and said reservoir for withdrawing excess gas from said rectifier and forcing said gas into said reservoir and means for returning said gas from said reservoir to said rectifier operable during periods of normal operation of said rectifier.

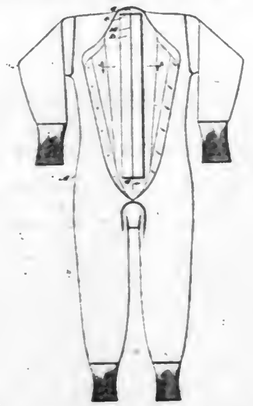
2,455,603
FUSE
Harry James Nichols, New York, N. Y.
Application April 14, 1943, Serial No. 483,028
5 Claims. (Cl. 102—79)



1. In a base detonating fuse for explosive armor-piercing projectiles for rifled guns, in combination, a cylindrical fuse body having an axial bore; and detonating mechanism therein comprising a substantially spherical centrifugally armed rotor mounted on the axis of the fuse at the forward end of said body, a detonator carried by said rotor in normal safe position, means for retaining said rotor in unarmed position, a percussion plunger carrying a firing pin and mounted axially slidable, a holder carrying a primer for igniting said detonator mounted between said rotor and said plunger, and transversely movable means mounted rearwardly of said plunger and having a wedging relation thereto for forcing said firing pin into exploding relation to said primer upon oblique impact with a target.

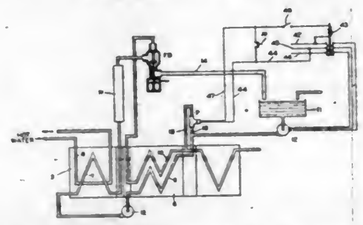
2,455,604
UNDERGARMENT
Henry Virgil Oldham, McRoberts, Ky.
Application February 4, 1947, Serial No. 726,371
6 Claims. (Cl. 2—78)

1. A protective pad for the spine adapted to be applied to the inner face of the back of an undergarment intermediate the width thereof and to extend longitudinally thereof to cover the spinal column, said pad comprising a strip of fabric



provided at opposite sides of its longitudinal medial line with a plurality of longitudinal folds forming a plurality of layers of fabric extending from its side edges to the medial line of the pad.

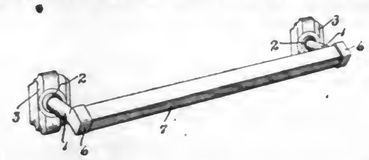
2,455,605
PASTEURIZING SYSTEM
Raymond E. Olson, Pittsford, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application February 7, 1947, Serial No. 727,086
3 Claims. (Cl. 257—2)



1. In a pasteurizing system, a heating unit provided with a primary passage for a heating liquid and with a secondary passage for a liquid to be heated, said passages being in heat exchange relation with each other, means for causing said heating liquid to flow through said primary passage at a given pressure, and means for causing the liquid to be heated to flow through said secondary passage at a pressure normally lower than said given pressure, and means responsive to a change in the normal pressure relation between the liquids in said passages for stopping the flow of liquid through said secondary passages.

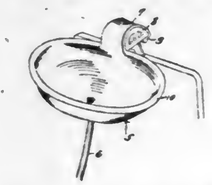
2,455,606
CONCEALED POST SUPPORT
Walter H. Pleiss, Ludington, Mich.
Application October 27, 1945, Serial No. 624,991
1 Claim. (Cl. 248—225)

A fixture support comprising a base plate adapted to be attached to a wall, a post rigidly attached to said plate and extending outwardly from one side thereof, a spring clip attached to said plate at the base of said post, a tubular support snugly surrounding said post and extending outwardly therefrom, a detent on said support engaging said spring clip, and an ornamental



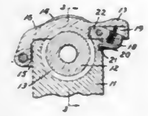
cover on said support lying over and concealing said base plate, spring clip and detent, said detent being releasable from said spring clip by strong outward pull on said support.

2,455,607
PORTABLE HAIR-RINSING BASIN
Ervin C. Price, Washington, D. C.
Application March 10, 1947, Serial No. 733,645
1 Claim. (Cl. 4—159)



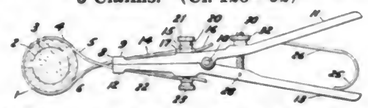
The combination with the head rest of a barber's chair, of a removable rinsing basin constructed of plastic material, an extension formed at one side of the basin, said extension being curved and having an inwardly extended end adapted to fit under the head rest of the barber's chair with which the device is used, and a bead cooperating with the inwardly extended end of the clamp, in clamping the removable basin to the head rest.

2,455,608
BARREL LOCK
Orvar E. Rosengren. Hamden, Conn.
Application August 31, 1945, Serial No. 613,867
2 Claims. (Cl. 42—75)



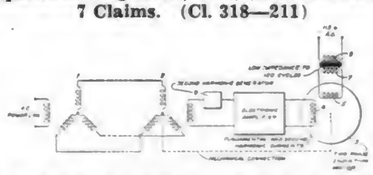
1. In a gun, a barrel having an exterior circumferential groove extending completely around said barrel near the breech end thereof, a receiver having a chamber within which the part of said barrel having the said circumferential groove fits, said receiver having a slot transversely across the top thereof and so positioned as to register with said groove when the barrel is fitted with said chamber, a strap adapted to fit within said slot and groove when they register with each other, said strap at one end being pivoted to said receiver adjacent one end of said slot, a latching means at the other end of said strap, and means on said receiver near the other end of said slot with which said latch coacts to secure said strap in locked position in said groove and slot.

2,455,609
WIRE APPLYING FORCEPS
Burton V. Scheib, Toledo, Ohio
Application June 20, 1945, Serial No. 600,449
3 Claims. (Cl. 128—92)



1. For initiating and adjusting a line loop to a desired completion, a two member tool body, a pivot connection between the members for the members to provide diverging handle portions extending one way from the connection and jaw portions the other way from the connection, each of said jaw portions terminating in an edge with a face one way therefrom toward the connection and an outward face from the edge having a port therethru for the line to be looped in its extent outward from the jaws away from the connection, a leaf spring fixed to one handle portion remote from the connection and having a bow portion therefrom to a free end having a slide connection with the adjacent side of the other handle portion and thereby to coact to spread the handle portions and cause the jaw edges to approach abutting relation, an adjusting device coacting between the handle sections to limit the effective spread action of the spring, there being on each jaw spaced from the port, a flat seat for a hump of a reach of the line from the loop to lodge flatwise thereagainst, and a clamp to pinch the flat portion of the hump toward the seat and thereby effecting each direction locking of the line.

2,455,610
HARMONIC TWO-PHASE MOTOR DAMPING CIRCUITS
Ernest Henry Schmidt, Jr., Williamstown, Mass., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y., a corporation of New York
Application August 25, 1944, Serial No. 551,199
7 Claims. (Cl. 318—211)



1. A follow-up device employing an alternating current error signal and including a two phase induction motor in which both windings of the motor are supplied with current of the power frequency displaced in phase, and means for supplying one winding with current of the second harmonic of the power frequency, the other winding being short-circuited for said second harmonic.

2,455,611
COMPOSITIONS COMPRISING A POLYVINYL CHLORIDE RESIN STABILIZED WITH ORTHO-SULFOBENZIMIDE
Russell H. Schlattman, Richmond Heights, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 19, 1947, Serial No. 762,207
4 Claims. (Cl. 260—88)

1. A polymerized vinyl chloride composition characterized by improved heat stability and being comprised of a polymerized vinyl resin containing at least 85% of combined vinyl chloride, from 0.5 to 10% by weight of a basic lead salt heat stabilizer and from 0.5 to 10% by weight of ortho-sulfobenzimide.

2,455,612
COMPOSITIONS COMPRISING A POLYVINYL CHLORIDE RESIN STABILIZED WITH THE ALKALI METAL SALTS AND THE ALKALINE EARTH METAL SALTS OF ORTHO-SULFOBENZIMIDE
Russell H. Schlattman, Richmond Heights, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 19, 1947, Serial No. 762,208
4 Claims. (Cl. 260—88)

1. A polymerized vinyl chloride composition characterized by improved heat stability and being comprised of a polymerized vinyl resin containing at least 85% of combined vinyl chloride and from 0.5 to 10% by weight of a compound selected from the alkali metal salts and the alkaline earth metal salts of ortho-sulfobenzimide.

2,455,613
COMPOSITIONS COMPRISING A POLYVINYL CHLORIDE RESIN STABILIZED WITH THE DIALKYL TIN SALTS OF ORTHO-SULFOBENZIMIDE
Russell H. Schlattman, Richmond Heights, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 19, 1947, Serial No. 762,209
6 Claims. (Cl. 260—88)

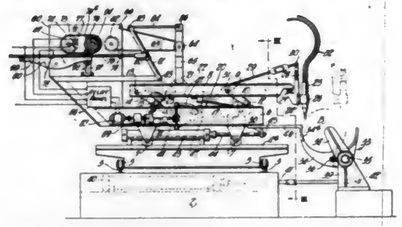
1. A polymerized vinyl chloride composition characterized by improved heat stability and being comprised of a polymerized vinyl resin containing at least 85% of combined vinyl chloride and from 0.5 to 10% by weight of a dialkyl tin salt of ortho-sulfobenzimide wherein each of the alkyl substituents has at least 1 and not more than 8 carbon atoms.

2,455,614
COMPOSITIONS COMPRISING A POLYVINYL CHLORIDE RESIN STABILIZED WITH THE LEAD SALT OF ORTHO-SULFOBENZIMIDE
Russell H. Schlattman, Richmond Heights, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 19, 1947, Serial No. 762 210
5 Claims. (Cl. 260—88)

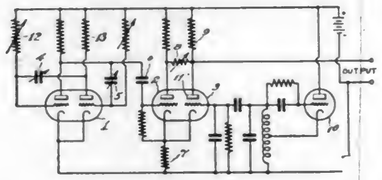
1. A polymerized vinyl chloride composition characterized by improved heat stability and being comprised of a polymerized vinyl resin containing at least 85 percent of combined vinyl chloride and from 0.5 to 10 percent by weight of the lead salt of ortho-sulfobenzimide.

2,455,615
MACHINE FOR AND METHOD OF CUTTING BLOOMS AND THE LIKE
Royal J. Scovill, Jr., Middletown, Pa.
Original application February 18, 1943, Serial No. 476,346. Divided and this application March 7, 1946, Serial No. 652,757
5 Claims. (Cl. 148—9.6)

3. A method of torch cutting cylindrical billets wherein the torch is moved in an arcuate path at a spaced distance from the billet characterized by the angularity of the torch being changed from an inclination towards the billet at the beginning of the cut toward a vertical position during the first part of the cut and is inclined away from the billet during the latter portion of the cutting stroke said latter inclination being in the same direction as the inclination at the beginning of the cutting stroke.



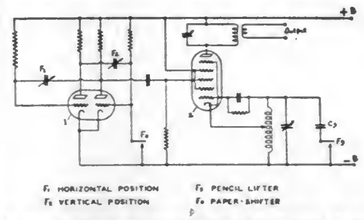
2,455,616
TRANSIENTLESS MODULATOR SYSTEM FOR KEYING
Francis H. Shepard, Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y., a corporation of New York
Application November 15, 1944, Serial No. 563,568
10 Claims. (Cl. 179—171.5)



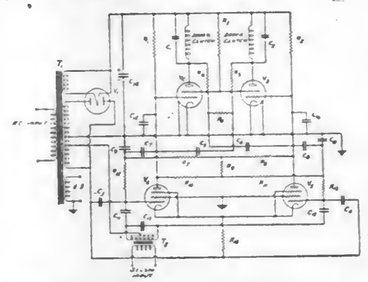
1. The transientless modulator system of keying comprising a signal generator for producing a square signal wave, an oscillation generator, means for supplying said signal wave and the output of said oscillation generator to a modulator, means whereby said modulator passes current of oscillation frequency only during negative half cycles of said signal wave, and means for eliminating transients in the output of said modulator during positive half cycles of said signal wave.

2,455,617
TELESCRIBER SYSTEM UTILIZING CARRIER TRANSMISSION OF FOUR INTELLIGENCES
Francis H. Shepard, Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y., a corporation of New York
Application November 15, 1944, Serial No. 563,569
5 Claims. (Cl. 178—19)

1. The method of transmitting four intelligences which comprises translating two of said intelligences into a signal having alternately a marking nature and a spacing nature in which the lengths of the marking state and the spacing state are varied respectively according to said intelligences, translating a third intelligence into a signal indicated by frequency, translating a fourth intelligence into a signal indicated by the absence of the first signal, producing a signal in which the intelligences are merged, transmitting said signal, and detecting and translating said signal to produce separate signals which are functions of the intelligences transmitted.

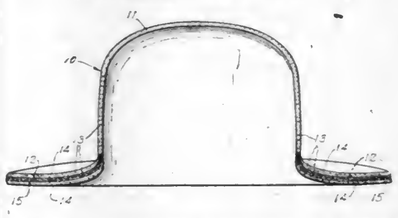


2,455,618
DAMPING FOLLOW-UP MECHANISM BY DEGENERATIVE DERIVATIVE
Francis H. Shepard, Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y., a corporation of New York
Application January 10, 1945, Serial No. 572,209
4 Claims. (Cl. 250—27)



1. An electronic amplifier comprising an amplifier tube, an input circuit and an output circuit for said tube, whereby a signal applied to said input circuit produces an output proportional thereto, regenerative means for modifying said output in proportion to time rate of change in amplitude of said signal, and degenerative means for modifying said output in proportion to the time rate of change of the time rate of change in amplitude of said signal.

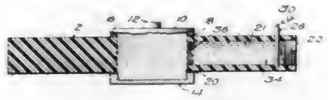
2,455,619
HAT
Hymen Shrager and Barney Shinberg, Westerly, R. I., assignors to American Felt Company, Glenville, Conn., a corporation of Massachusetts
Application March 29, 1946, Serial No. 658,086
8 Claims. (Cl. 2—194)



8. A hat construction consisting of crown and brim parts formed of a single thickness of true felt material, synthetic resin fibers of a copolymer

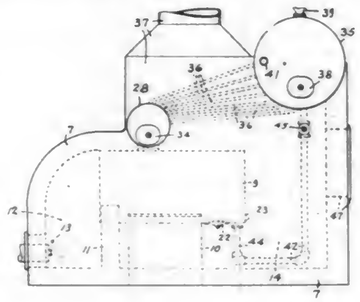
of vinyl chloride and vinyl acetate incorporated in one of said parts, and the said fibers in the said one part being concentrated in a stratum lying between and spaced from the surfaces of the said one part, said stratum being a non-separable but identifiable portion of the single thickness of true felt.

2,455,620
CENTRIFUGAL SWITCH
Jules H. Sreb, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War
Application September 12, 1944, Serial No. 553,733
9 Claims. (Cl. 102—70.2)



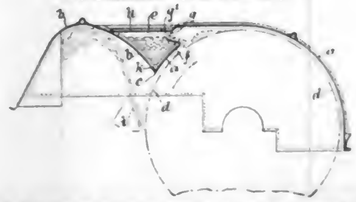
1. A switch of the character described comprising a body, a chamber within said body, contact pins mounted in the chamber, and a plurality of granules of electrical conducting material in the chamber and suspended in a fluid, said granules being adapted to be shifted by centrifugal force for connecting the contact pins electrically with each other.

2,455,621
FIRE AND WATER TUBE BOILER
Charles F. R. Stallbaum, Everett, Wash., assignor to Charles Williams as trustee of thirty-two and one-third per cent for himself, thirty-three and one-third per cent for Victor L. Tore, and thirty-four and one-third per cent for said Stallbaum
Application July 1, 1946, Serial No. 680,711
4 Claims. (Cl. 122—43)



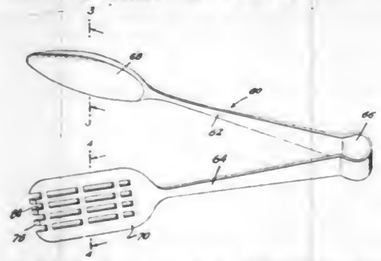
1. A steam generator comprising a horizontal fire tube boiler having passageways therethrough and therearound; combustion type heating means at one end of said boiler; means at the other end of said boiler providing an outlet passageway for heated combustion gases that have passed through and around said boiler; a hot water drum extending across the top of said boiler at one side of said gas outlet passageway and communicating with said boiler; a steam drum positioned substantially parallel with and above the level of said hot water drum and at the opposite side of said gas outlet passageway; and a plurality of conduits of relatively small diameter communicatively connecting said two drums and extending across said gas outlet passageway.

2,455,622
BEATING ENGINE AND THE LIKE
Andrew George Stewart, Edinburgh, Scotland
Application June 4, 1945, Serial No. 597,563
In Great Britain June 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 17, 1964
4 Claims. (Cl. 92—22)



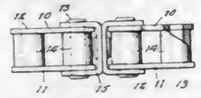
4. A beating engine comprising in combination, a roll rotatable on a horizontal axis in a certain direction to have an upwardly rising side and a downwardly descending side, a cover construction having a central horizontal portion disposed above the rising side of said roll and a portion extending therefrom around the descending side of the roll, an inner wall member at the rising side of the roll and spaced therefrom having lower and upper edges and extending upwardly from said lower to upper edge substantially parallel to an adjacent peripheral portion of the roll and said upper edge terminating below the plane of said horizontal portion of the cover, an outer wall member having a lower edge secured to the lower edge of said inner wall member and extending upwardly away therefrom in diverging relation forming a V therewith and then over at a point substantially on a plane parallel to that of the horizontal portion of the cover and then outwardly and downwardly, end plates secured to opposite ends of adjacent portions of said inner and outer walls forming therewith a V-shaped trough open at its upper side below the horizontal portion of the cover, the lower secured together edges of said wall members forming a doctor and the upper edge of said inner wall providing a weir portion, the upper weir providing edge of the inner wall extending inwardly of said trough and away from said roll, and a longitudinal member extending downwardly from said cover towards said weir and spaced therefrom and forming therewith a continuous slot for the passage of liquid from said trough onto said roll, and a filter in said cover over said trough.

2,455,623
COMBINATION SERVING, STRAINING, AND CARVING IMPLEMENT
Sam H. Stone, New York, N. Y.
Application May 6, 1947, Serial No. 746,225
3 Claims. (Cl. 30—123)



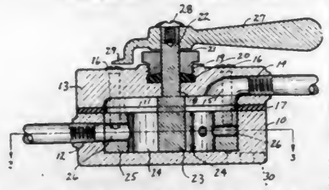
1. A combination serving implement consisting of a pair of shanks integrally and resiliently secured together, said securing means biasing them apart, said shanks terminating in a spoon portion and a combined strainer and fork portion, the tines of the fork being beveled to a knife edge to provide a spearing and cutting edge, transverse means separating the fork from the strainer, each portion including knife edges to provide cutting means and said spoon and combined strainer and fork portion being of equal length.

2,455,624
DRIVE OR SPROCKET CHAIN
Vincent J. Tenety, Jersey City, N. J., assignor to East Coast Ship Yards, Cliffside Park, N. J., a corporation of New Jersey
Application April 2, 1946, Serial No. 658,997
3 Claims. (Cl. 74—246)



1. A drive chain for transmitting movement from a sprocket in one plane to a sprocket in a different plane, said chain comprising a plurality of links each link having a U-shaped member across each end thereof, each said U-shaped member being provided with a bore therethrough at the center of its base, and pivot means extending through said portions whereby each said link may rotate relatively to the adjacent links.

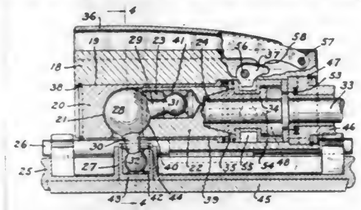
2,455,625
HYDRAULIC CONTROL VALVE
Jacob Trantin, Jr., Youngstown, Ohio
Application February 17, 1945, Serial No. 578,518
4 Claims. (Cl. 138—46)



1. A hydraulic control valve consisting of a body having a circular depression formed therein, a cap for said body, an outlet orifice in the side of said body and an inlet orifice in said cap, a cylindrical rotor positioned in the said circular depression in the body, said rotor having a hub spaced by a plurality of webs, an extension formed on said hub, an opening in said cap, the said hub extension extending through said opening in said cap and terminating outside of said body, means affixed to said hub extension for turning the said rotor thereby, a gland formed in said cap about said hub-like extension, and a plurality of openings formed in the rotor and adapted to register individually with the outlet orifice in the said body.

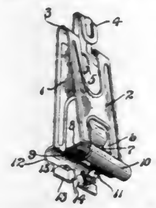
2,455,626
MECHANICAL MOVEMENT FOR CONVERTING ROTARY MOTION INTO RECIPROCATING MOVEMENT
William A. Traut, Wauwatosa, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 24, 1944, Serial No. 541,946
8 Claims. (Cl. 74—45)

1. In a mechanism for converting rotary motion into reciprocating movement, a body having a bore, a reaction block having a spherical zone socket disposed coaxial with said bore, a knuckle having a pivot sphere oscillatable within said socket and being provided with a pair of rigid arms each having a spherical swinging end, one of said arms projecting laterally away from said



bore and the other projecting longitudinally into said bore and away from said block, means for positively confining said laterally projecting arm to swinging motion in a plane, and an eccentric confined within said bore and rotatable about the bore axis and coacting with the other of said arms to gyrate the same.

2,455,627
FILM HOLDING CLIP
Hubert J. Uhlmann, Grand Rapids, Mich.
Application June 10, 1946, Serial No. 675,517
1 Claim. (Cl. 24—150)

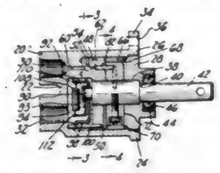


A clip comprising two sides adapted to be suspended in a generally vertical position and connected at their upper ends, said sides normally springing apart at their lower ends, means for releasably holding said sides with their lower ends brought closer together, the lower end portion of one of said sides having a transverse horizontal bead at the free lower edge of which, and between its ends, a pointed projection extends toward the other side, said other side at its lower end portion having two spaced apart tongues lying in vertical planes approximately perpendicular to the plane of said side, said tongues when the two sides are held against separation at their lower ends being located one at each side of said pointed projection.

2,455,628
SNAP ACTION VALVE MECHANISM FOR EXPANSIBLE CHAMBER MOTORS WITH OSCILLATING PISTONS
Bernhard Ulrich, Jr., South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 3, 1945, Serial No. 620,087
2 Claims. (Cl. 121—97)

1. A fluid motor comprising a housing having inlet and exhaust ports therein, a shaft in the housing and carried thereby, a member located in said housing and carried by the shaft, said member being oscillatable between two preselected positions in the housing and having sides spaced apart for subjecting said member to pres-

sure differential to cause the member to oscillate, means communicating the inlet and exhaust ports with the sides of the member and including a valve to be operated when the member reaches any one of the two preselected positions to reverse the application of the fluid pressure acting on the sides of the member to reverse said member, means for operating the valve including a cam fixed to the shaft to rotate therewith, a valve actuator pivotally carried by the housing and con-



structed and arranged to engage the valve to operate the same, and over-center spring means connecting the cam to the valve actuator for imparting a valve operating force to said valve actuator in response to rotation of the cam, said cam having an annular rib thereon and said valve actuator being equipped with a lug which engages with said rib during rotation of the cam to defer operation of the valve until the member has reached one of its preselected positions at which time the lug is disengaged.

2,455,629

FENDER BRACE

Robert J. Van Stone, Rocky River, Ohio

Application August 6, 1947, Serial No. 766,761

3 Claims. (Cl. 280—154)



1. As a new article of manufacture, an adjustable brace comprising complemental sections each having an attaching portion at its outer end, each section being made of a strip of sheet metal having a body portion, from a point adjacent said attaching portion to a point adjacent the other end thereof, bent into a hollow shape with the side edge portions of the metal strip exposed, the hollow portion of one section fitting into that of the other section for relative sliding to adjusted positions to determine the length of the brace with the said exposed edge portions of each section disposed side by side, and weld means applied at said edge portions to rigidly unite the sections together in predetermined positions.

2,455,630

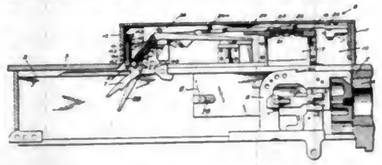
FEEDING MECHANISM

Andrew K. Watt and Albert B. Hays, Lansing, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 14, 1945, Serial No. 616,330

5 Claims. (Cl. 89—33)

2. In a machine gun having a recoiling member and a feed slide mounted on the gun for reciprocating movement, the improvement comprising, in combination, an operating member pivotally mounted on the gun, a handle portion on said operating member projecting out of the gun, means interconnecting said operating member with said feed slide whereby pivoting of said handle portion actuates said feed slide, a stop



member normally disposed in the path of movement of said operating member to prevent movement thereof, and means responsive to the position of said recoiling member for moving said stop member out of the path of said operating member.

2,455,631

PROCESS FOR PRODUCING DIACETYL

Oliver J. Weinkauff, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application June 30, 1945, Serial No. 602,689

4 Claims. (Cl. 260—596)

3. A process for preparing diacetyl comprising slowly adding 2,3-butanediol to a suspension of copper chromite catalyst in a liquid medium maintained at a temperature in the range of 250–300° C. and recovering diacetyl from the vapors evolved, said liquid medium consisting of an organic substance having the liquid form at temperatures in the range of 250–300° C., having a boiling point above approximately 250° C. and being substantially inert in the presence of the catalyst and reactants under the reaction conditions.

2,455,632

SILICON ELECTRICAL STEEL

Alvin R. Williams, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

No Drawing. Application December 17, 1946, Serial No. 716,889

1 Claim. (Cl. 148—12.5)

A method of making aluminized silicon steel electrical strip or sheet; said method comprising the steps of producing an aluminized silicon steel with a composition suitable for said product and containing from 1% to 5% silicon, from .10% to 1.00% aluminum and substantially more than about .02% carbon; working said steel to strip or sheet, and continuously annealing said strip or sheet in a decarburizing atmosphere at temperatures of from 1500° F. to 1750° F. to reduce the carbon to less than .02%, said atmosphere being oxidizing to a degree regulated to cause the formation of a thin, tightly adherent oxide film on said strip or sheet without the production of a heavy, loose scale and consisting of from 8% to 15% carbon dioxide with the balance mainly nitrogen and sufficient water to saturate said atmosphere with water vapor at from 50° to 85° F.

2,455,633

TOBACCO CAN

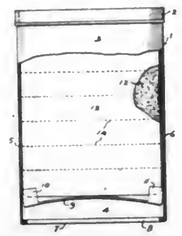
George V. Wilson and Samuel P. Darkins, Homestead, Pa.

Application July 23, 1945, Serial No. 606,642

1 Claim. (Cl. 206—41.1)

The combination with a tobacco can including a pair of side walls, of a shiftable resilient

bottom mounted in the can, said bottom being bowed longitudinally with the convex curvature thereof being disposed upwardly, an upwardly disposed retaining flange carried at each end of



said bottom, the free top edge portion of each of said flanges frictionally engaging the inner surface of respective side walls, and the lower attached end of each of said flanges being spaced from the inner surface of respective side walls.

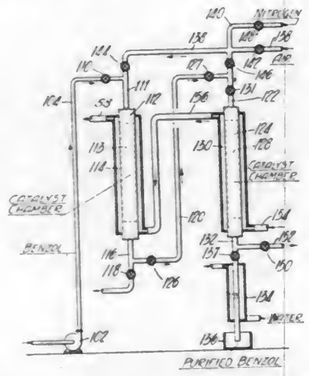
2,455,634

PROCESSES OF REFINING AROMATIC HYDROCARBONS

Philip J. Wilson, Jr., Joseph H. Wells, and Charles R. Liebel, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application September 11, 1945, Serial No. 615,516

3 Claims. (Cl. 260—674)



1. The process of purifying aromatic hydrocarbons containing not more than approximately five per cent of impurities including paraffinic, naphthenic, and sulphur compounds together with, possibly, unsaturated hydrocarbons, which comprises passing the hydrocarbon to be purified through successive catalytic environments, one of which contains a dehydrogenating catalyst and another contains a cracking catalyst, maintaining dehydrogenating catalyst at a temperature of from approximately 500° C. to approximately 540° C. and at substantially atmospheric pressure, with the cracking catalyst maintained at a temperature of from approximately 250° C. to approximately 500° C. and at substantially atmospheric pressure, thereby converting the said impurities into a condition readily removable from the aromatic hydrocarbon while leaving the aromatic hydrocarbon substantially unaffected.

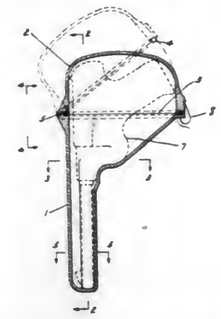
2,455,635

WATERPROOF PISTOL HOLSTER

Byron V. Witte, Birmingham, Ala.

Application September 13, 1946, Serial No. 696,684

1 Claim. (Cl. 224—2)



In a pistol holster comprising: a case having a narrow interior portion adapted for the barrel of a pistol to fit therein, a larger interior portion integral with the barrel portion and adapted for the main body and handle of a pistol to fit therein, said larger interior divided transverse to the barrel into two divisions with one half of the large interior portion hinged to the other portion; a water tight gasket embedded in the edge of the portion of the case having the barrel portion integral therewith, a snap spring fastener attached to the free end of the hinged portion; said hinged portion adapted to fit tight upon the gasket in the other portion and there be held by the said snap spring fastener to form a water tight joint between the hinged portion and the other part of the case.

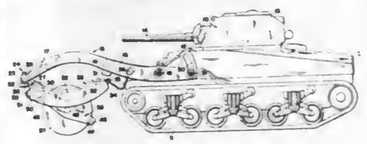
2,455,636

MINE EXPLODER

Harry T. Woolson, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 3, 1945, Serial No. 602,972

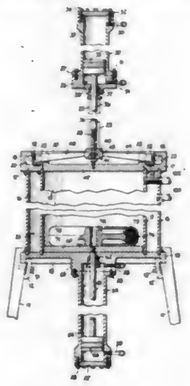
6 Claims. (Cl. 89—1)



1. A mine exploder comprising a boom member, means for pivotally mounting said boom member at a rearward portion thereof to a forward part of a vehicle, a hollow frame located beneath said boom member and including front, rear and side sections, universal coupling means pivotally connecting said frame at said front section thereof to the forward end of said boom member, means between said rear section of said frame and said boom member for limiting downward movement of said frame, a plurality of arms extending longitudinally of said frame beneath the latter, said arms being spaced transversely of said frame, each of said arms being independently pivotally connected at the forward end thereof to said front section of said frame, and a plurality of independently suspended mine exploding wheels spaced trans-

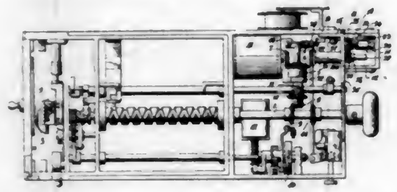
versely of said frame, each of said wheels being independently and rotatably mounted in one of said arms rearwardly of the pivotal connection of said arm to said frame.

2,455,637
VULCANIZING APPARATUS
William C. Wright, Daniel G. Rowe, Jr., and Elmer Ford Roberts, Hickory, N. C.
Application January 2, 1946, Serial No. 638,602
2 Claims. (Cl. 18—6)



1. Vulcanizing apparatus comprising a base member, inner and outer cylinders of different dimensions having their lower ends welded to the upper surface of the base member and forming an annular space therebetween, an annular member having its lower surface welded to the upper ends of the two cylinders and having a groove extending around its inside surface and having an annular recess in the lower wall of said groove, a gasket disposed in said annular recess, a plate slidably mounted in the lower portion of the inner cylinder and having a piston rod extending downwardly therefrom through the base member, a cylinder secured to the lower surface of the base member and into which the piston rod projects, a piston on the lower end of the piston rod, a closure member adapted to fit into the annular member secured on the upper ends of the two cylinders and to rest on the gasket, the closure member having a plurality of radially disposed levers slidably and pivotally mounted therein intermediate their ends, a second piston rod and means for pivotally securing the other ends of the levers to the second piston rod, a frame secured to the annular member and extending upwardly, an upper cylinder mounted on the frame and having a second piston slidably mounted therein and connected to the second piston rod projecting upwardly from the closure member, a pin secured to and rising upwardly from the closure member, and the last named piston rod having a bore therein slidably fitting over the pin, a plurality of molds being adapted to rest on the plate associated with the lower cylinder, means for admitting compressed air into the upper end of the upper cylinder to force the closure member downwardly and to force the pivoted ends of the levers downwardly to cause their free ends to slide outwardly and upwardly into the groove in the annular member, to lock the closure member in position, means for forcing compressed air into the lower end of the lower cylinder for forcing the plate associated therewith upwardly in the inner cylinder to compress the molds with suitable objects to be vulcanized therein against the closure member, means for admitting steam into the inner cylinder and other means for admitting steam into the space between the inner and outer cylinders, means for returning the steam from the lower portions of the inner cylinder and space between the inner and outer cylinders and back to the source of steam, means for forcing compressed air into the lower end of the upper cylinder and venting air from the upper end of the upper cylinder to raise the piston in the upper cylinder to withdraw the pivoted levers from the groove in the annular member and to raise the closure member, and means for forcing compressed air into the upper end of the lower cylinder and exhausting the air from the lower end thereof to lower the plate in the lower portion of the inner cylinder.

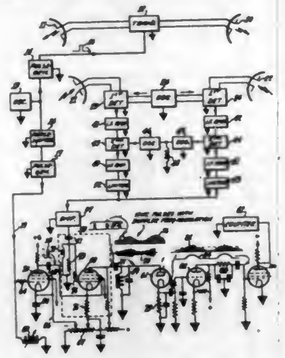
2,455,638
BOBBIN WINDER FOR SEWING MACHINES
Solomon Adler, Kew Gardens, N. Y.
Application August 30, 1946, Serial No. 693,915
12 Claims. (Cl. 112—218)



1. In a sewing machine, an automatic bobbin winder comprising in combination, a carrier member shiftably secured to the frame of the machine, a shaft mounted in said carrier member and adapted to hold the bobbin, a drive shaft for transmitting motion to said bobbin shaft, a disengageable connection between said two shafts adapted to be actuated by shifting of said carrier member, a closure for covering the bobbin holding end of the bobbin shaft, the closure being pivoted to the frame of the machine, and a linkage connection between the said closure and the said carrier member whereby the latter member is shifted upon moving of the closure so as to bring the said two shafts into relative engagement and disengagement.

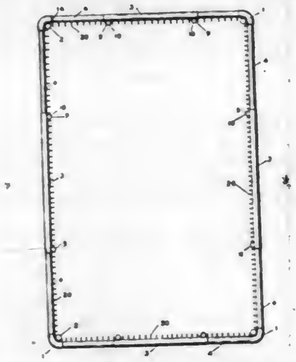
2,455,639
GROUND SPEED INDICATOR UTILIZING DOPPLER EFFECT
Earl I. Anderson, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 26, 1943, Serial No. 507,741
1 Claim. (Cl. 343—8)

In a system for determining the speed of an object with respect to a reflecting surface, means for radiating pulses of radio energy from said object in two directions, means for receiving in two separate channels the pulses received from said two directions after reflection from said surface, a detector in each of said channels, means for supplying heterodyning signals of like frequency to said detectors in the two channels for producing intermediate-frequency signals in said two channels, means for mixing said two intermediate-frequency signals to obtain pulses modulated by their beat frequency, a circuit which is resonant at the pulse repetition rate, means for applying said modulated pulses to said resonant circuit whereby a beat-frequency modu-



lated sine wave signal is obtained, and means for rectifying said sine wave signal to obtain pulses recurring at the beat frequency.

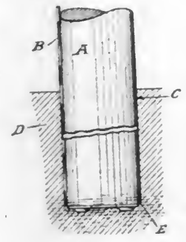
2,455,640
CURTAIN STRETCHER
Clair F. Ashbaugh, Portland, Oreg.
Application February 20, 1947, Serial No. 729,699
2 Claims. (Cl. 45—24)



1. A rectangular curtain frame made up of telescoping slotted tubular members with slotted elbows and slotted clamps at telescope points intermediate the elbows, a spiral spring disposed within each tubular member, a plurality of hooks, each made rigid with a separate spiral of said spring and projecting through said slots to the inside area of the frame, and means for clamping the said tubular members and the said slotted elbows together rigidly without collapsing the said slots to interfere with free movement of said hooks.

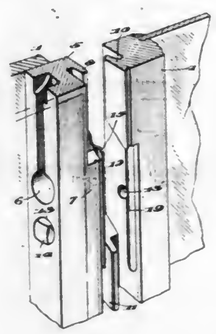
2,455,641
GROUNDING POLE PLATE
Carroll A. Badeau, Westfield, and Jerome B. Clapp, North Plainfield, N. J., assignors to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application November 28, 1945, Serial No. 631,350
2 Claims. (Cl. 174—6)

1. A sheet metal ground plate for the bottom of a pole, said plate having a flat portion providing an upper surface fashioned for engagement with the bottom of the pole, said plate provided with a plurality of semi-spherical embossments circularly spaced apart radially of the center of the plate, each of said embossments projecting downwardly from the flat portion, forming at its center a downwardly facing semi-



spherical cup forming an arched dome outlined by an annular upwardly facing rim, each of said rims being surrounded by a part of the flat portion of the plate, each embossment being continuous across its entire area and thus free of openings therethrough, and said plate at its flat pole-engaging portion provided with means for securing the plate to the pole.

2,455,642
WINDOW SASH CONSTRUCTION
Samuel Irvin Baer, Youngstown, Ohio
Application May 24, 1945, Serial No. 595,536
8 Claims. (Cl. 20—49)

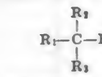


1. A window sash construction comprising spaced supporting members and an intermediate sash member pivoted thereto, said supports and the stiles of said sash member having opposed interlocking grooved ribs extending from opposite ends thereof to a point short of the center thereof to provide therebetween a pivot section surrounding the point of pivotal support, a sheet metal plate mounted in said pivot section and having a single thickness longitudinal flange along one edge thereof embedded in one of said pivoted members and an opposed laterally offset portion along an opposite edge thereof adapted to be pressed within the marginal sides of the other of said pivoted members when the sash is in closed position relative to the supporting member.

2,455,643
CONDENSATION PRODUCTS FROM KETONES AND ARALKYL ORGANIC COMPOUNDS AND METHOD FOR PRODUCING THE SAME
Arthur B. Bakalar, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 25, 1944, Serial No. 528,148
5 Claims. (Cl. 260—649)

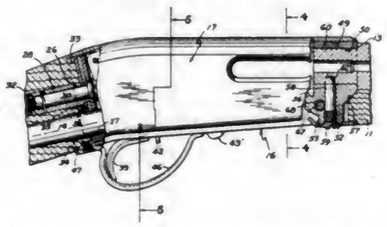
4. The process which comprises condensing an aralkyl organic compound of the group consisting of the aralkyl hydrocarbons and the halogenated aralkyl hydrocarbons containing at least one hydrogen atom linked to a nuclear carbon atom with a ketone of the group consisting of the aliphatic ketones and the halogenated aliphatic ketones in the presence of a condensation catalyst selected from the group consisting of sulfuric acid, phosphoric acids and sulfonic acids.

5. The compounds of the general formula



wherein R_1 is a radical of the group consisting of the aralkyl hydrocarbon radicals and the halogenated aralkyl hydrocarbon radicals, and R_2 and R_3 are radicals of the group consisting of the alkyl hydrocarbon radicals and the halogenated alkyl hydrocarbon radicals.

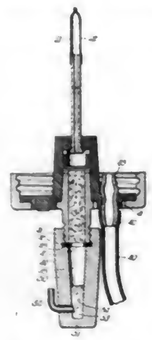
2,455,644
FIREARM RECEIVER
Charles H. Barnes, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Original application June 13, 1944, Serial No. 540,015. Divided and this application May 7, 1946, Serial No. 667,929
6 Claims. (Cl. 42—75)



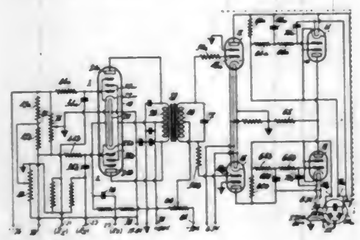
1. In a firearm, a receiver comprising in combination a sheet metal frame channel substantially U-shaped in cross-section; a laminar rear wall for said frame including overlapping portions of the side walls of said channel; a barrel receiving lug secured between the side walls of said channel frame at the forward end thereof; a sheet metal cover having depending side walls telescoping over the side walls of said frame; and interlocking means for securing said cover in assembled relation to said frame.

2,455,645
CLOSURE
Raymond W. Barton, Evansville, Ind., assignor to Mead Johnson and Company, Evansville, Ind., a corporation of Indiana
Application April 3, 1946, Serial No. 659,387
15 Claims. (Cl. 128—214)

1. A dispensing set for sterile liquid containers comprising, in combination, a closure body having means for engaging and sealing a container, a filter holder formed as an integral part of said body, projecting outwardly from both sides of said body and having a passage therethrough, said passage containing means for filtering air, a resilient liner substantially covering the side of said closure body associated with said container when said container is engaged, a tube associated with the end of said passage enclosed by the said liner, said tube extending through said liner, means associated with said tube and passage preventing said liquid from entering said passage, means for dispensing said liquid from said container through said closure body, and means for measuring the rate of flow of air into said container as said liquid is dispensed.

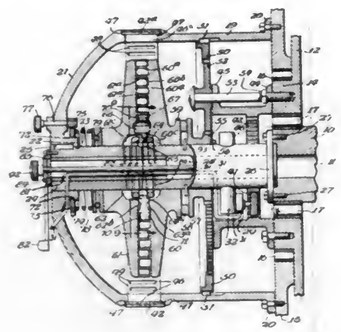


2,455,646
PHASE RESPONSIVE CONTROL CIRCUIT
Joseph G. Beard, Haddonfield, and Robert W. Harralson, Masonville, N. J., and Alexander Kreithen, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application December 30, 1944, Serial No. 570,707
9 Claims. (Cl. 318—28)



4. A phase control comprising the combination of a circuit for deriving a pair of balanced alternating voltages from two signals in phase quadrature, a network responsive to an unbalance in said voltages for producing a full wave of alternating current, said network being constituted by a circuit which includes two gas tubes energized by an alternating supply of the same frequency and phase as one of the voltages of said pair and by another circuit which includes two gas tubes energized by an alternating supply of the same frequency and phase as the other of the voltages of said pair, and a motor actuated by said alternating current for returning said signals to phase quadrature.

2,455,647
ENGINE CONSTRUCTION
Leslie W. Beaven, Chicago, Ill.
Original application July 29, 1942, Serial No. 452,740. Divided and this application March 13, 1944, Serial No. 526,212
4 Claims. (Cl. 123—119)



1. An internal combustion engine embodying a hollow shaft, about which the engine casing and cylinders revolve, a stationary housing adjacent the engine casing concentric to said shaft, a hollow extension forming a continuation of said shaft, said extension provided with a series of transverse apertures, the bores of said shaft and said extension constituting a fuel passageway discharging into the engine casing, an impeller in the housing and rotatably mounted on said extension adapted to centripetally create air-pressure and discharge the same through said apertures into said passageway and thence into the engine casing, means also in the housing for feeding fuel and air mixture into said passageway, a driving connection between the rotatable engine casing and the said impeller, a clutch included in said connection, and yielding means tending normally to render said impeller active with respect to said clutch, said connection, clutch and yielding means being disposed within the housing.

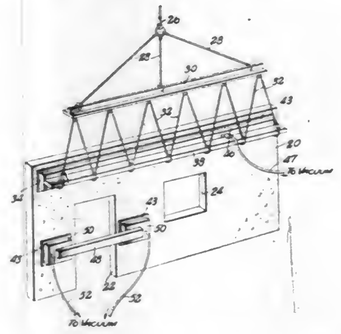
2,455,648
METHOD OF PRODUCING AN ALKALINE DETERGENT
Wallis R. Bennett, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 5, 1946, Serial No. 639,419
2 Claims. (Cl. 252—135)

1. The method of making a detergent composition which comprises adding a material selected from the class consisting of zinc oxide and sodium zincate to approximately 76 percent aqueous sodium hydroxide and heating the resulting solution at an elevated temperature over 700° F. but below 830° F. to vaporize substantially all the water therefrom, mixing disodium orthophosphate into the heated solution, and then converting the entire mixture to the solid state, the said ingredients being in such relative proportions that the final composition contains at least 75 per cent by weight of sodium hydroxide and from 2 to 10 per cent by weight each of sodium zincate and trisodium orthophosphate.

2,455,649
SOLIDIFIED OILS AND METHODS OF MANUFACTURE
Alan Beerbower, Westfield, and Harold A. Ricards, Jr., Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 29, 1944, Serial No. 551,772
11 Claims. (Cl. 252—42)

1. A stabilized, solidified mineral oil consisting essentially of a mineral oil gelled by a soap formed in situ from free saturated fatty acids, and stabilized by the saponification in situ of a fatty oil rich in esters selected from the group consisting of esters of saturated fatty acids and esters of hydroxylated unsaturated acids, said fatty oil being added to the initial mixture in the proportion of ⅓ to ⅔ of the said free saturated fatty acids.

2,455,650
HANDLING APPARATUS
Karl P. Billner, Philadelphia, Pa., assignor to Vacuum Concrete, Inc., a corporation of Pennsylvania
Application March 10, 1947, Serial No. 733,639
12 Claims. (Cl. 294—65)



9. A mat adapted for handling a preformed concrete body of substantial size comprising a substantially rigid frame having a compressible cellular resilient gasket secured to one surface thereof defining an open chamber, said gasket projecting beyond rigid portions of said frame under all conditions of operation, a compressible cellular resilient supporting element carried by said frame within said gasket and in substantially coplanar relationship with respect to said gasket for engagement with said body, a limp flap carried by said frame and extending beyond said gasket to establish a preliminary seal between said mat and body, and means communicating with said chamber for exhausting the same.

2,455,651
PREPARATION OF NITRILES
Newman M. Bortnick, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 18, 1947, Serial No. 792,595
16 Claims. (Cl. 260—345)

1. A process for converting aldoximes to nitriles which comprises contacting aldoximes with amine salts at temperatures of 120° C. to 350° C.

2,455,652

NUCLEAR HALOGENATED 4,4'-BIS-(ALKENYL CARBONATO) DIPHENYL ALKANES AND POLYMERS THEREOF

James A. Bralley, Akron, and Frank B. Pope, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application February 21, 1945, Serial No. 579,163
14 Claims. (Cl. 260—77.5)

1. A nuclear chlorinated 4,4'-bis-(allyl carbonato) diphenyl alkane in which from 1 to 4 chlorine atoms are attached to each phenyl group and each phenyl group is attached to the same carbon atom of the alkane, the alkane being one containing no more than 7 carbon atoms.

2,455,653

DI(ALKENYL CARBONATO) AROMATIC COMPOUNDS AND POLYMERS THEREOF

James A. Bralley, Akron, and Frank B. Pope, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application February 21, 1945, Serial No. 579,164
11 Claims. (Cl. 260—77.5)

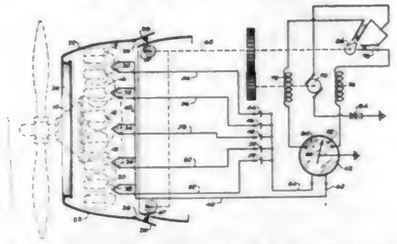
1. 4,4'-di(allylcarbonato) diphenyl sulfone.

2,455,654

MULTIPLE THERMOCOUPLE ARRANGEMENTS

Kenneth A. Browne, Lakewood, Ohio, assignor to Wright Aeronautical Corporation, a corporation of New York

Application March 27, 1946, Serial No. 657,421
6 Claims. (Cl. 236—69)



1. Apparatus for measuring the highest of the temperatures at a plurality of spaced points, said apparatus comprising a plurality of thermocouples each responsive to the temperature at one of said points, an electric meter to which said thermocouples are connected in parallel, and a plurality of rectifiers each connected in the circuit of one of said thermocouples so as to pass the electric current from its associated thermocouple but not in the reverse direction.

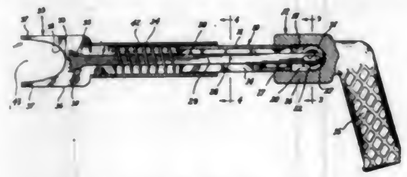
2,455,655

BONE SAW

Gay V. Carroll, Houston, Tex.

Application November 1, 1946, Serial No. 707,277
2 Claims. (Cl. 128—317)

2. A surgical instrument comprising an elongated frame, a pistol grip at one end of the frame, a saw pivoted in the frame to swing in a plane lying along the longitudinal axis of the frame, a saw guard telescopically enclosing the frame at the end opposite the pistol grip, spaced arms extending longitudinally from the saw guard, said arms being adapted partially to embrace and steady an object to be operated upon, said saw guard having a longitudinal saw receiving slot which extends through the arms, means within the saw guard yieldingly to hold the saw retracted into the slot, a crank disc mounted in the frame to rotate about an axis lying perpendicular to the



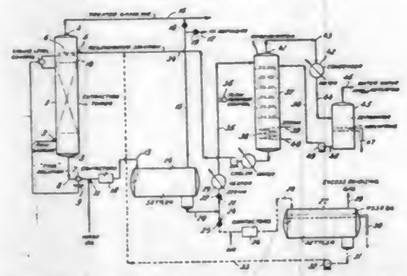
longitudinal axis of the frame, and a crank pin carried by the crank disc and engaging the saw to cause the saw to oscillate when the crank disc is rotated.

2,455,656

PRODUCTION OF COMMERCIALLY PURE MERCAPTANS AND DISULFIDES

Stephen P. Cauley, Garden City, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application June 19, 1945, Serial No. 600,245
12 Claims. (Cl. 260—608)



1. The method of treating aqueous alkaline solutions to obtain commercially pure sulfur compounds which alkaline solutions have been used to extract acidic sulfur compounds from hydrocarbon fluids and which contain hydrocarbon impurities of substantially the same boiling range as said acidic sulfur compounds in commercially unacceptable amounts which comprises contacting said aqueous solution before regeneration with hydrocarbon treating material having a boiling range differential of at least 10 degrees from that of the sulfur bearing compound to be recovered and separating said hydrocarbon treating material and said sulfur compound from said aqueous treating solution.

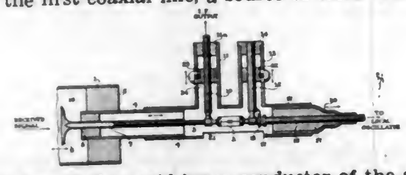
2,455,657

CIRCUIT ARRANGEMENT FOR MIXING OSCILLATIONS

Edward Cecil Cork and Michael Bowman-Manifold, Ealing, London, Frederick Henry Gale, Hillingdon, and Roy Blythen, Norwood Green, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain

Application April 13, 1945, Serial No. 588,200
In Great Britain September 1, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1962
6 Claims. (Cl. 250—20)

1. In combination, a wave guide carrying signal-modulated oscillations, a coaxial line comprising an outer conductor supported by the wave guide at one end thereof and an inner conductor extending into the wave guide at said one end for receiving said signal-modulated oscillations, a second coaxial line provided with an inner conductor axially spaced from the inner conductor of the first coaxial line, a source of local oscilla-



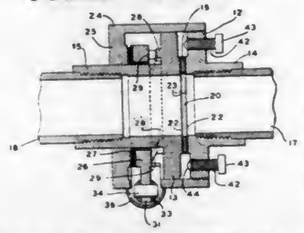
tions coupled to said inner conductor of the second coaxial line, a mixing element electrically connected between the adjacent ends of said two inner conductors, and means coupled to one of said inner conductors for deriving a frequency resulting from the mixing of said signal and local oscillations.

2,455,658

PIPE COUPLING

Eddie M. Dons, Tulsa, and Jesse V. Stevens, Oakhurst, Okla.

Application September 17, 1945, Serial No. 616,744
8 Claims. (Cl. 251—167)



1. A pipe coupling comprising a pair of sleeves having internal screw threads to receive the ends of pipes to be coupled, each threaded sleeve being provided with a peripheral flange located adjacent to and facing the flange of its companion sleeve, a housing surrounding the flanges, one end of said housing being rigidly secured to one of said flanges, the other end of said housing having an inturned abutment confining the other flange, an oscillatory operating ring surrounding the sleeve of the last mentioned flange, said ring being directly between the last mentioned flange and said inturned abutment, cam members carried by the operating ring to force said last mentioned flange toward the other flange in response to an arcuate movement of said oscillatory operating ring, said housing having a slot in a plane between said flanges, a closure member movable into and out of said slot to provide for selective opening and closing of the pipe connection, and an operating member extending from said operating ring, said operating member being exposed at the exterior of said housing.

2,455,659

OILY COMPOSITION

Gordon W. Duncan, Westfield, and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 5, 1945, Serial No. 620,630
1 Claim. (Cl. 252—33)

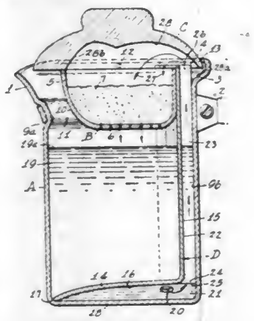
A composition suitable for use as a soluble cutting oil, or the like, consisting essentially of about 84% mineral base lubricating oil, about 8% sodium petroleum sulfonate, about 2.5% sodium nitrite, about 2.5% naphthenic acid, 0.4% caustic soda, 0.9% isopropyl alcohol, 0.05% wax, and a small amount of water, said proportions being by weight.

2,455,660

COFFEE PERCOLATOR

Donald E. Dunlop, San Pedro, Calif.

Application April 2, 1946, Serial No. 659,116
2 Claims. (Cl. 99—308)



1. In a coffee percolator, a main receptacle, a base plate resting on the bottom of the main receptacle and having a concaved under surface coacting with the main receptacle in forming a water-heating space, an upright plate extending from the base plate and having a groove fashioned therein communicating with the water-heating space, the upright plate being disposed to bear against the inner wall of the main receptacle so that a portion of the latter will form a cover over the groove and provide a tubular passageway extending upwardly from the water-heating space to a point of discharge, and an inner coffee-holding receptacle arranged to receive hot water discharging from the tubular passageway when water is heated in the space beneath the base plate, the base and upright plates being removable from the main receptacle whereby all surfaces of these plates may be inspected and cleaned, the upright plate having wings thereon shaped to bear against the inner surface of the main receptacle, the wings having vertically-extending grooves fashioned in the face thereof which bears against the inner surface of the main receptacle and designed to impede lateral flow of water from the tubular passageway.

2,455,661

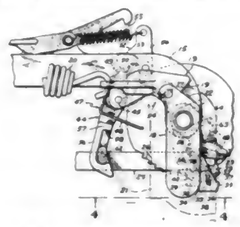
TARGET THROWING DEVICE

Francis G. du Pont, Utica, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application November 20, 1945, Serial No. 629,813
8 Claims. (Cl. 124—8)

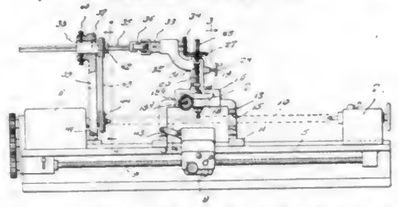
1. A device for throwing targets comprising a base; a frame supported on said base; a carrier having a target throwing arm; means for rotatably supporting said carrier on said frame; a main spring connected to said carrier; means for cocking said carrier comprising a rotatable ratchet disk, a member to rotate said disk, and a pawl mounted on said carrier, said pawl being arranged normally to engage said ratchet disk and carry the load effected by tensioning the main spring

during the cocking of said carrier; and carrier latching means comprising a trigger mounted on said frame and a resilient element associated with



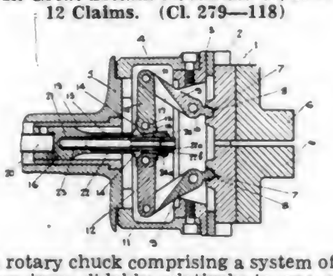
said trigger, said resilient element being arranged to be engaged and actuated by said pawl during the cocking of said carrier to move said trigger into latching engagement with said carrier.

2,455,662
MILLING ATTACHMENT FOR LATHES
Charles W. Dyer, Stratton, Maine
Application June 22, 1945, Serial No. 600,981
2 Claims. (Cl. 90—11)



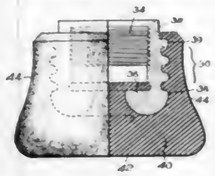
1. An attachment for lathes of a type including a bed, a lathe head, and a screw-operated lathe compound, said attachment comprising a support mounted on the bed for longitudinal adjustment and including an opening for receiving work mounted in the lathe, a hollow post rising from the support, a vertical shaft journaled in the post and adapted for attaching a tool at its lower end, means for adjusting the post horizontally on the support to adjust the tool transversely of the work and means operatively connecting the shaft to the lathe head.

2,455,663
CHUCK
John Eaton, Cheltenham, England, assignor to Stanley Charles Icke, Solihull, England
Application November 15, 1945, Serial No. 628,695
In Great Britain November 23, 1944
12 Claims. (Cl. 279—118)



1. A rotary chuck comprising a system of work-gripping jaws slidable relatively to one another in a radial direction, an axially slidable draw-bar disposed centrally of the said jaw system, a plunger connected co-axially to the draw bar at one end and formed with a system of resilient arms, equal in number to the jaws, at the other end, a wedge carried by the plunger and extending between the said arms, and a separate toggle-link coupling each arm to a jaw and comprising two levers one of which is hingedly connected to the jaw, whereas the other is hingedly connected to the arm and is carried over a position of dead centre into abutment with the wedge as the jaw is taken to its work-gripping position.

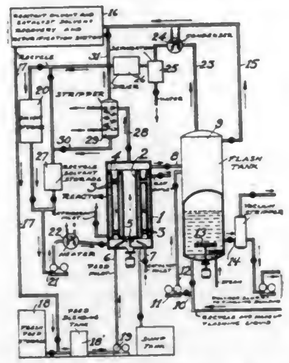
2,455,664
STRUT TERMINAL FOR METAL-BENDING JACKS
William H. Ferguson, Malden, and John W. Geddes, Boston, Mass., assignors to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application September 15, 1945, Serial No. 616,572
2 Claims. (Cl. 248—24)



1. An abutment-engaging strut terminal for use with metal-bending jacks comprising a rigid metallic member having a coupling formation at one end for incorporating it in the jack assembly and having distally of the other end an integral transversely disposed annulus with a rounded axially presented terminal face, said annulus defining an overhanging shoulder and a body of firm yet yielding rubber surrounding said annulus and the shoulder thereof and bonded thereto and having a substantially flat face normally parallel to said annulus, the annulus defining an open center into which the body extends part way to provide a central cushioning body suspended from the annulus.

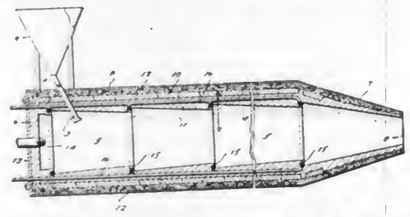
2,455,665
LOW-TEMPERATURE POLYMERIZATION PROCESS
William W. Ford and Fred D. Thiel, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 24, 1945, Serial No. 579,574
20 Claims. (Cl. 260—86)

1. A polymerization process comprising polymerizing an unsaturate having at least one ethylenic double linkage and from 4 to 14 carbon atoms per molecule by contact with a Friedel-Crafts catalyst at temperatures between —40° F. and —150° F. in a reaction mixture having no appreciable solvent power for the polymer even at temperatures well above the reaction temperature in a heat exchanger reactor, discontinuing the supply of catalyst when the reactor surfaces become coated with a film of polymer, continuing the addition of fresh feed and permitting the temperature of the reactor to rise to —20° F. to 0° F. and maintaining the reaction mixture substantially free from catalyst under agitation in said reactor until the polymer fouling the surfaces of the reactor is substantially completely dispersed in the reaction mixture and removed therein discharging the unpolymerized feed mixture and dispersed polymer from the reactor to means for recovering the separated polymer and the unpolymerized feed without contamination of any thereof by impurities, and thereafter, cooling the reactor to reaction temperatures



within the range between —40° F. and —150° F. and adding catalyst to the reaction mixture.

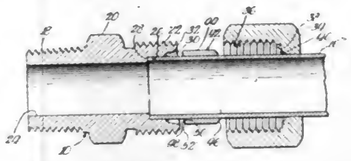
2,455,666
MEANS FOR TRANSFORMING VOLCANIC ROCK
John L. Fournier, Los Gatos, Calif.
Application February 5, 1946, Serial No. 645,527
4 Claims. (Cl. 263—21)



3. An elongated, stationary crucible provided with a steel shell or case having a discharge opening at one end and a closure at the opposite end, a refractory lining within said steel case comprising laminations of asbestos, fire-brick and fire-clay with an inner cylindrical wall forming a chamber, a refractory closure for said lining at the rear end of the crucible and an opening in the front end to register with the discharge opening of the crucible, a plurality of annular air conduits embedded in said refractory lining, suitably spaced apart longitudinally and provided with a plurality of radial vents opening into said chamber and positioned to direct currents of air forwardly and away from said lining, a source of compressed air supply for said annular air conduits, a flame-nozzle projecting longitudinally into the rear of the said chamber, a source of fuel supply for said nozzle, and means for feeding rock material to the crucible contiguous to said nozzle.

2,455,667
COUPLING FOR HIGH-PRESSURE TUBING
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 15, 1944, Serial No. 545,094
5 Claims. (Cl. 285—122)

1. A coupling for tubing comprising one member having a threaded recess, a convex deflecting corner at the bottom of the recess, a sleeve having a sliding fit on the tube, a tapered edge at one end corresponding to the deflecting corner, the other end of the sleeve having a conical undercut providing an end face forming an obtuse angle with the inner surface of the sleeve,



and a second member threaded for reception of the first member, said second member including a flared enlargement comprising an inner conical portion having a relatively sharp slope relative to the tube wall and an outer conical portion adjoining the inner portion having a relatively gentle slope relative to the tube wall.

2,455,668
MINERAL OIL COMPOSITION
Everett W. Fuller and Henry S. Angel, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application May 3, 1945, Serial No. 591,840
18 Claims. (Cl. 252—46.6)

1. A mineral oil composition normally susceptible to the formation of haze therein, comprising a viscous mineral oil fraction containing a minor proportion, sufficient to stabilize said oil fraction against the deleterious effects of oxidation, of a phosphorus- and sulfur-containing reaction product obtained by reaction, at a temperature of from about 100° C. to about 190° C., of a phosphorus sulfide and a material selected from the group consisting of a dicyclic terpene and an essential oil predominantly comprised of a dicyclic terpene, and having in combination therewith a minor proportion, sufficient to suppress the formation of haze therein, of a wax-substituted hydroxyaromatic ester of an organic carboxylic acid.

2,455,669
SELF-SUPPORTING RESILIENT ARTICLE
George E. Gagnier, Detroit, Mich.
Application August 5, 1947, Serial No. 766,167
4 Claims. (Cl. 16—86)

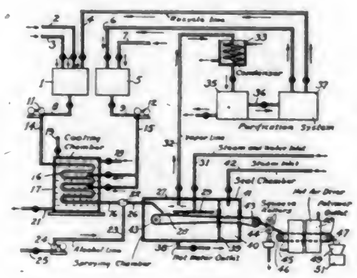


1. An article of the character described including a spring fastener of the type having a head and a shank, a washer-like reinforcing element having a central opening therein of greater cross-sectional area than that of said shank and mounted upon said shank adjacent the head, and a resilient coating overlying said reinforcing element and head and extending upon both sides of said reinforcing element, an integral portion of said coating extending through said opening to tie together the coating portions upon opposite sides of said reinforcing element.

2,455,670
DEODORIZING PETROLEUM OILS AND WAXES
Francis M. Graves, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 26, 1946, Serial No. 712,249
6 Claims. (Cl. 196—5)

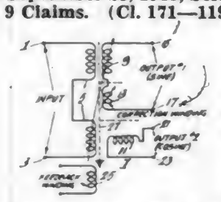
1. A process for producing a substantially moisture-free, odorless petroleum wax, comprising maintaining a moisture-containing petroleum wax at a temperature above its melting point but not in excess of 40° F. thereof, blowing said molten wax with air until substantially free of moisture, introducing into said molten wax a small amount of ammonia sufficient to remove the rancid odor developed as a result of the aforesaid air-blowing, and removing excess ammonia from said wax to yield a substantially dry, odorless petroleum wax.

2,455,671
PROCESS FOR THE MANUFACTURE OF HIGH MOLECULAR WEIGHT POLYMERS
Arthur Donald Green, Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Original application September 19, 1941, Serial No. 411,440. Divided and this application July 6, 1944, Serial No. 543,680
7 Claims. (Cl. 260—93)



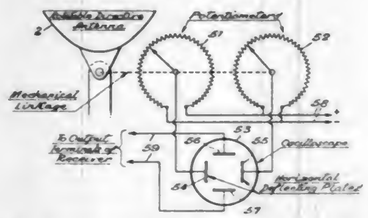
1. In the method of separating a solid isoolefinic polymer from liquid components of a polymerization mixture reacted in the presence of a Friedel-Crafts catalyst at a temperature within the range of 0° C. to —165° C. in a reaction zone closed to the atmosphere, the improvement comprising delivering said polymerization mixture from said reaction zone to a treating zone closed to the atmosphere, segregating the solid polymer from the liquid components of the polymerization mixture while conveying the polymer across the treating zone, spraying and washing the solid polymer with water as it is so conveyed removing a stream of the resulting volatilized components and a stream of water from the treating zone, then squeezing said polymer from said treating zone into an enclosed sealing zone wherein an inert gas is maintained at a pressure which exceeds the pressure in the treating zone, thereby preventing the escape of volatile components from the treating zone into the sealing zone, and further conveying the solid polymer through the sealing zone and finally squeezing it out of said sealing zone.

2,455,672
CORRECTION DEVICE FOR ELECTRONIC FUNCTION GENERATORS
Maurice Leighton Greenough, Groveland, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1945, Serial No. 619,237
9 Claims. (Cl. 171—119)



1. In a variocoupler having a stator winding and a pair of rotor windings fixedly disposed substantially at a right angle to each other and rotatable simultaneously with respect to said stator winding, means for compensating for lack of true perpendicularity between said rotor windings comprising a third rotor winding serially-connected with one of said pair of rotor windings and selectively inductively coupled to both of said pair of windings.

2,455,673
DISTANCE SELECTIVE SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 19, 1942, Serial No. 427,266
12 Claims. (Cl. 343—11)

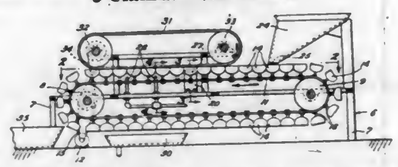


11. A pulse-echo radar system comprising means for transmitting periodically recurring radio pulses, means for receiving said pulses after they are reflected from a reflecting surface and for indicating reception of said pulses, said radar system including at least one directive antenna, means for moving the radiation pattern of said antenna in a certain plane, said second means including cathode ray tube means for visually indicating reception of said pulses, means for deflecting the cathode ray of said tube along a time axis, means for starting the sweep of said cathode ray along the time axis at a time which is a function of the angular position of said radiation pattern in said plane whereby the position of a received pulse indication on said time axis is a measure of the angular position of said radiation pattern, means for producing periodically recurring control pulses in synchronism with said radio pulses and means for applying said control pulses to said second means, means for causing said second means to indicate received pulses during and only during the application of a control pulse to said second means, means for varying the duration of each control pulse to obtain control pulses of a desired width or duration, means for phasing said desired width pulses without changing their width to cause them to occur at any desired time between successive transmitted pulses, and means for indicating said phasing in terms of distance to said reflecting surface.

2,455,674
LIGHT STABLE COMPOSITIONS COMPRISING POLYMERIC VINYLIDENE CHLORIDE AND 2-HYDROXY-5-CHLORO-BENZOPHENONE-2'-CARBOXYLIC ACID
Carl B. Havens, Hope, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application December 8, 1947, Serial No. 790,436
4 Claims. (Cl. 260—86)

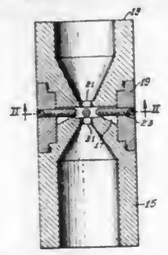
3. A composition of matter comprising a copolymer of at least 10 per cent vinylidene chloride, balance vinyl chloride, and from 1 to 10 per cent, based on the weight of the copolymer, of 2-hydroxy-5-chloro-benzophenone-2'-carboxylic acid to stabilize the polymer against the injurious effects of light.

2,455,675
MACHINE FOR HANDLING AND PREPARING OYSTERS
Zoid G. Hawk, Findlay, Ohio
Application December 6, 1946, Serial No. 714,501
3 Claims. (Cl. 17—3)



1. In a machine for cleaning food material from the intestines of shelled oysters, the combination of a conveyor, a succession of oyster receiving pockets carried on the conveyor and each adapted to support an oyster therein, a fixed knife blade positioned in the path of the conveyed oysters, a source of fluid pressure, a fixed nozzle means positioned to direct a jet of said fluid into the cuts in the oysters made by the knife, and a hold-down cover positioned adjacent the holders and opposed to the positions of the knife and the nozzle means.

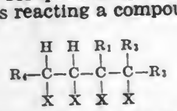
2,455,676
ELECTRON LENS CORRECTION DEVICE
James Hillier, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 21, 1946, Serial No. 671,184
12 Claims. (Cl. 250—49.5)



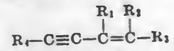
1. In an electron lens having a plurality of apertured field elements for establishing a focusing field for an electron beam passing through the apertures of said elements, the improvement comprising an adjustable metallic element extending into said field adjacent to the path of the electron beam through said apertured field elements for selectively distorting said field to compensate for axial asymmetry of said beam focusing field.

2,455,677
PREPARATION OF VINYL ACETYLENES
Joseph T. Horeczy, Cedar Bayou, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application November 13, 1947, Serial No. 785,793
3 Claims. (Cl. 260—678)

2. A method for producing a vinyl acetylene which comprises reacting a compound having the formula

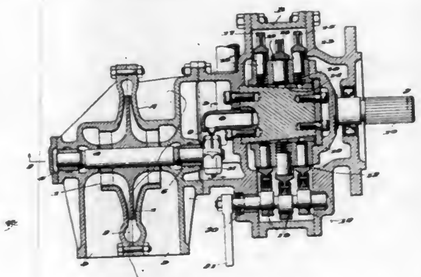


wherein C represents a carbon atom, H represents a hydrogen atom, and wherein R_1, R_2, R_3, and R_4 each represent a substituent selected from the group consisting of a hydrogen atom, an alkyl group, and an aryl group and X represents a halogen atom in an alcoholic alkali hydroxide solution at a temperature in the range of 100° to 135° C. to form a compound having the formula



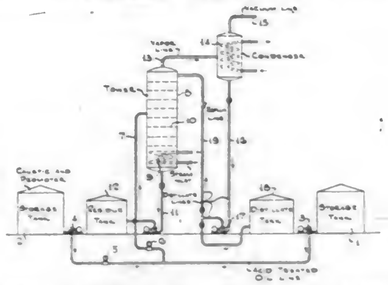
wherein C represents a carbon atom and wherein R_1, R_2, R_3, and R_4 each represent a substituent selected from the group consisting of a hydrogen atom, an alkyl group, and an aryl group.

2,455,678
POWER TRANSMISSION
Irving C. Jennings, South Norwalk, Conn.
Application February 4, 1944, Serial No. 521,065
8 Claims. (Cl. 230—11)



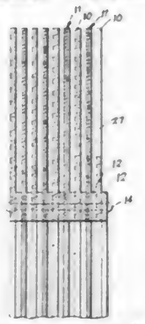
1. In combination, a drive, a pump having bearings, a transmission between said drive and said pump, comprising a hydraulic pump driven from said drive, a hydraulic motor driven by the liquid from said hydraulic pump, and a drive connection between said motor and said first-mentioned pump, and conduit means for continuously diverting part of the liquid at reduced pressure from said hydraulic pump and before it reaches the field of operation of said motor and conducting it along a predetermined course to said first-mentioned pump to lubricate the bearings of said latter pump.

2,455,679
DISTILLATION OF ACID-TREATED OILS
Minor C. K. Jones, Mountainside, and Edward C. Eulhardt, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 3, 1946, Serial No. 700,984
4 Claims. (Cl. 196—35)



1. The process of distilling an acid-treated mineral oil which comprises adding 90–95% of the stoichiometric quantity of caustic alkali necessary to neutralize any acid reacting substance evolved from any residue of the treating acid during the distillation of the oil together with a sufficient amount of a naphthenic acid soap to be capable of completing said neutralization, and carrying out the distillation in the presence of the said caustic alkali and the naphthenic acid soap.

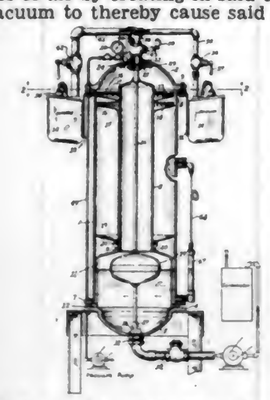
2,455,680
BUFFING WHEEL
Nathan Kaplan, Freehold, N. J.
Application September 12, 1946, Serial No. 696,468
6 Claims. (Cl. 51—193)



1. The combination in a buffing wheel having means for holding annular sections in spaced positions, of annular felt sections spaced from each other, and cork sections having cloth facings between said felt sections.

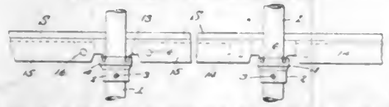
2,455,681
METHOD OF PREPARING CARBONATED BEVERAGES
James Kantor and Edward F. Rosenberg, Chicago, Ill., assignors to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Original application July 16, 1943, Serial No. 494,972. Divided and this application August 24, 1944, Serial No. 550,953
4 Claims. (Cl. 99—79)

2. The method of preparing a carbonated beverage, including carbonated water and flavoring syrup, prior to its delivery to its ultimate containers, which consists in effecting a simultaneous flow of measured quantities of uncarbonated water and syrup into a container sealed against the ingress of air by creating in said container a partial vacuum to thereby cause said syrup and



water to flow into the container under equal pressures and to deaerate the water and syrup while in said container, mixing said water and syrup in said container while under said vacuum and then carbonating the mixture while in its deaerated condition.

2,455,682
SHELVING
Albert F. Kern, San Francisco, Calif.
Application December 26, 1945, Serial No. 637,209
5 Claims. (Cl. 211—147)



1. In a shelving structure a post, a collar adjustably mounted thereon providing an annular recess in its upper end, plates each having a cut out at one corner adapted to embrace the post, a flange depending from each plate adjacent the cut out portion and adapted for insertion into the recess, tongues extending from the bottoms of the plates and cooperating to form slots between tongues on adjacent plates, and shelf engaging means secured within the slots.

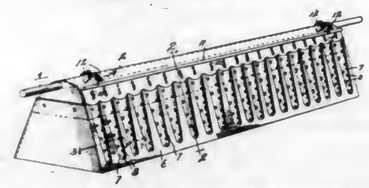
2,455,683
CLIP FOR COILING WIRE
Douglas H. King, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 22, 1945, Serial No. 600,858
5 Claims. (Cl. 242—96)



1. In combination, a length of wire and a plurality of clips mounted thereon at spaced points

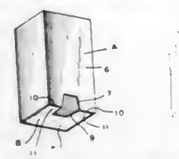
thereof, each of said clips comprising a portion affixed to said wire and having therein a channel through which said wire extends longitudinally, and a pair of cooperating resilient fingers extending outwardly from the wire and defining a channel for receiving successive loops of said wire.

2,455,684
TOBACCO LEAF SUPPORT AND DRIER
Hiram S. Kirkpatrick, Fayetteville, N. C.
Application September 26, 1946, Serial No. 699,429
5 Claims. (Cl. 34—239)



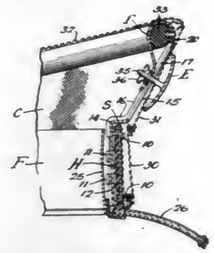
1. A tobacco leaf drying rack comprising an inverted hood having its under side open so heated air can be trapped therein, means for supporting tobacco leaves on said hood with their stems upwardly disposed, means whereby trapped heated air will pass through said hood sides into engagement with the stems of the leaves vertical stem receiving channels in the outer faces of the sides of the hood and heat pasages from the interior of the hood in the bottoms of the channels.

2,455,685
DISPENSING CONTAINER
Chester M. Lehman, St. Louis, Mo.
Application October 1, 1945, Serial No. 619,491
3 Claims. (Cl. 229—11)



1. A dispensing box comprising an elongated rectangular paper case, and a rectangular paper drawer slidable in said case, the front wall of said case being provided with a detachable section extending upwardly from the lower edge of said front wall, said front wall being weakened in a line between said detachable section and the upper portion of the front wall, so as to permit selective removal of said detachable section, thereby forming a finger-receiving opening which extends upwardly from the bottom edge of said front wall, said drawer having a bottom end wall provided with a front edge adjacent to the lower edge of said front wall of the case, said bottom end wall of the drawer being provided with a detachable section extending rearwardly from its front edge, and a weakened outline for removal thereof, so as to form a finger-receiving opening in the front edge of the bottom of the drawer registering with the opening which extends upwardly from the bottom edge of said front wall of the case, said bottom and front walls having yieldable edges located adjacent to each other, at opposite sides of their predetermined finger-receiving openings, and contents of the drawer being exposed at said finger-receiving openings for forcible removal between said yieldable edges.

2,455,686
UNIFORM CAP
Harry Lev, Chicago, Ill.
Application November 29, 1946, Serial No. 712,978
12 Claims. (Cl. 2—195)



1. In a uniform cap, the combination of a frame, a cover removably carried by the frame, a transversely bowed holder secured to the frame, a vertical support having a lower end transversely bowed and gradually flattened out thereabove adapted for sliding interfit with the holder and to engage therewith with increased friction as it is advanced toward its final position therewith, the support when so interfitted with the holder being extended thereabove at the front of the cap, and means for connecting the holder to the cover at the front.

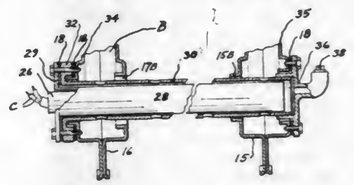
2,455,687
CUPRAMMONIACAL PETROLEUM MAHOGANY SULFONATES
Leo Liberthson, New York, N. Y., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Application April 12, 1945, Serial No. 588,069
5 Claims. (Cl. 260—438)

1. A novel fungicide and insecticide substantially consisting of a cuprammoniacal petroleum mahogany sulfonate substantially of the general formula

$$[Cu(Amm)_x](RSO_3)_2$$

in which RSO_3 designates a petroleum mahogany sulfonate radical, in which *Amm* designates an ammoniacal compound capable of entering into the formation of a cuprammoniacal complex compound when in contact with a copper salt, and in which x designates the number of *Amm* groups.

2,455,688
PORTABLE ELECTRIC STEAM RADIATOR
Philip S. Malickson, Philadelphia, Pa., assignor to Sentry Safety Control Corp., a corporation of Pennsylvania
Application February 11, 1947, Serial No. 727,927
1 Claim. (Cl. 219—38)



A portable electrically-heated steam radiator comprising complementary stampings which form

radiator sections, the edges of said sections turned so as to present no exposed sharp edges, means for holding said sections together, means for circulating steam and water through said sections, an electric heating element in the base of said radiator for the purpose of heating said water, a carrying handle integrally formed with said radiator, means to indicate when the electric heating element is energized, means for preventing and for safeguarding against the development of excessive steam pressure within the radiator sections, and said complementary stampings of said radiator sections being nonidentical, one of said sections having an outwardly extending flange and its adjacent section having an inwardly extending flange, said flanges of adjacent sections interfitting with one another.

2,455,689

STABILIZATION OF UNSATURATED NITRILES

Kenneth E. Marple, Oakland, and Bert Borders, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 6, 1946, Serial No. 708,197
9 Claims. (Cl. 260—465.9)

9. As a composition of matter a nitrile selected from the group consisting of acrylonitrile, alpha-substituted acrylonitriles wherein the substituent on the alpha carbon atom is a lower alkyl radical, and beta-substituted acrylonitriles wherein the substituent on the beta carbon atom is a lower alkyl radical, containing from 0.1% to 4% by weight of a cyanohydrin dissolved therein, said composition being stabilized against auto-polymerization.

2,455,690

ELECTROMAGNET WITH PIVOTALLY MOUNTED ARMATURE

Lynn H. Matthias, Fox Point, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin

Application September 24, 1945, Serial No. 618,307
2 Claims. (Cl. 175—336)



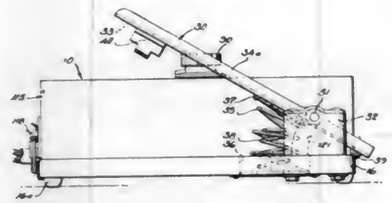
1. An electromagnet device having a field piece and an armature, said field piece of U shape formed with an offset portion adjacent the end of one leg of the U to make a bearing surface, a non-magnetic metal plate attached to said armature to swing on said bearing surface, said armature in its closed position having a surface arranged to abut the end of the other leg of the field piece, a helical spring connected between said field piece and armature to bias armature in its open position and the spring so arranged that its axis shifts towards a line joining the point of attachment of spring to field piece and the bearing point between armature and field piece and the armature, metallic plate and bearing surface so arranged that with armature in closed position an air gap exists in the magnetic circuit at the bearing of the order of mechanical clearance.

2,455,691

SOUND TRANSMISSION CONTROL SYSTEM

Cameron B. McCulloch, Hollywood, Calif.

Application December 22, 1945, Serial No. 636,927
6 Claims. (Cl. 179—1)



1. An audience reaction sound control system comprising a potentiometer including an element rotatable to vary the intensity of audience sound transmission, a rotatable actuating shaft connected to said element, a housing enclosing said potentiometer and shaft, a foot pedal positioned outside and horizontally offset from said housing, and a hinge attachment to said housing whereby the housing may be swung upwardly and independently of the pedal to openly expose the potentiometer and shafts.

2,455,692

VELOCIPEDE TOY SHOVEL ATTACHMENT

Frederick A. McDunnah, Hampton Falls, N. H.

Application March 27, 1947, Serial No. 737,530
5 Claims. (Cl. 214—131)



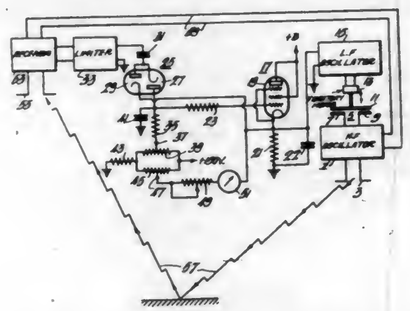
1. In a velocipede, the combination with the steering post provided at its upper end with a handle bar and at its lower end with a fork within which a dirigible front wheel is rotatably mounted, of a cantilever arm fixedly supported at its one end by one of the tines of said fork and extending forwardly therefrom; a lever member pivotally connected intermediate its ends to the forward end of said cantilever arm, said lever member being provided at its one end with a scoop that is disposed closely adjacent to the ground when said lever member occupies an approximately perpendicular position and which is shifted forwardly and upwardly when said member is swung in one direction on said pivotal connection thereby to cause said scoop to be loaded with material from the ground; means operable by the rider of the velocipede for dumping the contents of the scoop while the latter occupies its elevated position; a slotted guide arm fixedly supported by said handle bar and extending forwardly therefrom, and an angulated lever-operating member loosely confined intermediate its opposite ends within the slot of said guide arm and having its lower end pivotally connected with the opposite end of said lever member while the opposite end portion of said angulated lever-operating member occupies a position above the level of the handle bar to serve as a handle by means of which said lever-operating member is manually adjusted pivotally and endwise within said slot by the rider of the velocipede to operate and control said lever member.

2,455,693

DISTANCE DETERMINING SYSTEM

William R. Mercer, Boston, Mass., assignor to Radio Corporation of America, a corporation of Delaware

Application July 26, 1945, Serial No. 607,215
6 Claims. (Cl. 343—14)



1. Radio distance measuring systems of the frequency modulation type including means for transmitting radio waves toward an object to be reflected therefrom, means for receiving said transmitted waves directly and after a reflection, frequency modulator means connected to said transmitting means for varying the frequency of the transmitted waves, means connected to said receiving means for producing in response to the output thereof, a unidirectional voltage which is less than a predetermined voltage by an amount proportional to the difference in frequency between said direct and reflected waves, a source of adjustable direct current voltage, a direct current meter, means for applying said first-mentioned unidirectional voltage and said adjustable voltage differentially to said meter, a low frequency oscillator connected to said frequency modulator means, and means for applying said first-mentioned unidirectional voltage to the anode supply circuit of said low frequency oscillator.

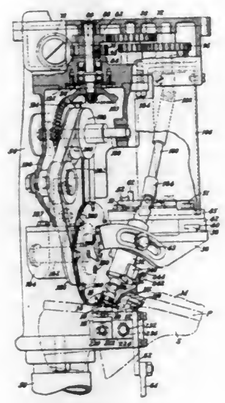
2,455,694

LASTING MACHINE

Lloyd G. Miller, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application November 17, 1945, Serial No. 629,527
26 Claims. (Cl. 12—1)

12. A lasting machine having, in combination, a driven roll and cooperating pressure member for engaging opposite sides of the lasting margin of stock to be lasted and so constructed and arranged to apply lasting stress to said lasting margin for continuously and progresively tensioning the stock, for drawing the lasting margin inwardly from the edge of the shoe bottom and over the bottom of the shoe, and for feeding the shoe, and means comprising a rotary disk having a peripheral working surface provided with a plurality of circumferentially disposed helical ribs



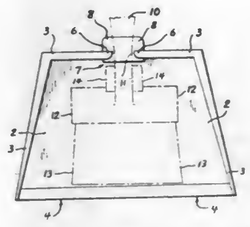
for wiping the lasting margin inwardly from the edge of the shoe bottom and pressing it against the bottom of the shoe, said ribs being axially offset and having rounded leading ends for imparting hammer blows to the lasting margin, the leading end of each rib being in substantial axial alinement with the trailing end of the preceding rib to provide a circumferentially continuous wiping surface.

2,455,695

BRUSH AND CRUMBER SET

Foster F. Monaco, Jackson Heights, N. Y.

Application August 28, 1945, Serial No. 613,168
1 Claim. (Cl. 65—62)



A brush and crumber set comprising, in combination, a tray and a brush, the tray having an upstanding rim which is provided with a slot therethrough, an ear in the form of a back-rest extending outwardly from the slot in alignment with one surface of the slot to leave said slot open through the rim, a pair of lugs carried on the rim, one lug at each side of the slot and overhanging said slot, thus providing an entry clearance into the slot; a handle formed on the brush, made with a shank portion narrower than the entry clearance between the pair of lugs on the tray rim,

and made with a wing on each side of the shank, the two wings and shank being wider than the entry clearance but conforming in size to the slot; whereby the brush handle is adapted to have its shank portion inserted into the entry clearance, and shifted so as to bring the two wings within the slot and into position onto the back-rest for detachably connecting the handle and tray together.

2,455,696

IRON OXIDE-ALKALI METAL FERRATE CATALYST AND ITS METHOD OF PREPARATION

Max A. Mosesman, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Application December 20, 1946, Serial No. 717,582
10 Claims. (Cl. 252—231.5)

1. A method for preparing a catalyst adapted for use in a Fischer-Tropsch synthesis which consists of the steps of preparing an admixture of an iron oxide and alkali metal ferrate in an amount in the range between 0.2 and 20% by weight of said iron oxide, heating said admixture at a superatmospheric temperature of about 1000° F. for about 4 hours in the presence of an oxidizing atmosphere, and subsequently contacting the admixture with a reducing atmosphere at a superatmospheric temperature in the range between 700° and 1600° F. for about 24 hours.

2,455,697

VULCANIZATION OF NEOPRENE

Paul F. Niessen, Canal Fulton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 13, 1944, Serial No. 558,605
1 Claim. (Cl. 260—92.7)

The method of manufacturing a thin flexible and extensible rubber product, characterized by possessing superior resistance to crystallization on aging, from a latex of a plastic polymer of a monomeric material consisting entirely of 2-chloro butadiene-1,3, which comprises adding to said latex compounding ingredients including substantially 4% by weight based on the polymer in the latex of magnesium oxide, substantially 5% by weight based on the polymer in the latex of zinc oxide, and substantially 2% by weight based on the polymer in the latex of liquid heptylated diphenylamine, forming a product from the resulting compounded latex, drying the product and heating the product at a temperature of substantially 220 to 240° F. for substantially one hour.

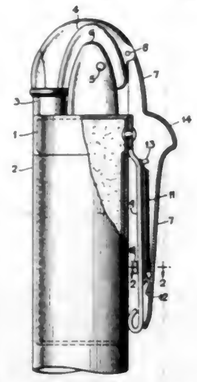
2,455,698

CIGAR LIGHTER CONSTRUCTION

Warren I. Nissen, Newark, N. J., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey

Application December 5, 1947. Serial No. 789,892
4 Claims. (Cl. 67—7.1)

1. A cigar lighter construction including a casing, an attachment clip secured to said casing and extending downwardly along the side thereof, lighting mechanism including a snuffer member movably mounted on the casing, a fingerpiece connected in driving relation to said lighting mechanism and extending downwardly to overlie said attachment clip, said fingerpiece being movably engaged with said attachment clip and being movable between an upper position in



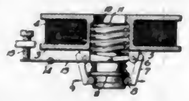
which said snuffer member is closed and a lower position in which said snuffer member is open.

2,455,699

RELAY FOR RELIABLE OPERATION WITH DEFINITE EXCITATION

Henri Perret, Zug, Switzerland, assignor to Landis & Gyr, A. G., a body corporate of Switzerland

Application January 4, 1944, Serial No. 516,994
In Switzerland December 21, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 21, 1962
6 Claims. (Cl. 175—336)



1. A relay comprising, in combination, an armature, electromagnetic means for moving said armature from a position of rest to a moved position when energized, latching means engageable with said armature to prevent movement toward moved position, disengageable upon predetermined power applied to said armature to permit said movement, and spring means biasing said armature toward said position of rest whereby said latch means may re-engage said armature upon de-energization of said electromagnetic means.

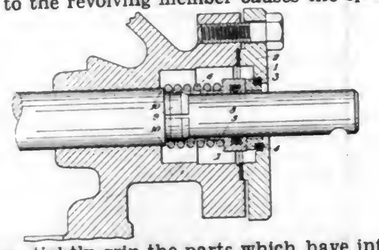
2,455,700

MECHANICAL SEAL

Frederick Benjamin Porges, Manchester, England, assignor to Flexibox Limited, Manchester, England, a British company

Application December 30, 1946, Serial No. 719,153
In Great Britain November 22, 1946
4 Claims. (Cl. 286—11.15)

1. A mechanical seal for making a fluidtight joint between a revolving member and a stationary surface comprising, in combination, a coil spring around the revolving member, a rotary seal ring around the revolving member, a stationary surface against which the rotary seal ring bears under the pressure of said spring, characterised in, that one end the spring has an interference fit with a part of the revolving member and the other end an interference fit with a part of the rotary seal ring, the convolutions of the spring being of such hand with respect to the direction of rotation that any tendency of the rotary seal ring to turn relatively to the revolving member causes the spring



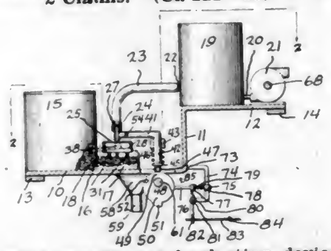
to more tightly grip the parts which have interference fits with its ends and resist such tendency, the coil spring and interference fits constituting a sole means for causing the seal ring to turn with the revolving member.

2,455,701

SEED COUNTING AND SELECTING DEVICE

Robert D. Putman and Carleton M. Magoun, Sioux City, Iowa

Application June 18, 1945, Serial No. 600,098
2 Claims. (Cl. 111—38)



1. A seed counting and selecting device comprising a vacuum creating source, a vacuum head connected thereto, said head including a plurality of attenuated tubes having end openings, whereby suction applied through said openings will cause seeds to adhere thereto, means for automatically moving said head and said tubes to a position adjacent to seed attaching position including an eccentric cam member, said head having an extension whereby abutment thereagainst by rotation of the cam member will elevate said head, means for swinging said head to a depositing position including an arm attached to said extension, said cam including a protuberant portion adapted to swing said arm, means for releasing the vacuum in said head when said head is swung to its depositing position including a valve member in said head, means for opening said valve member to cause air pressure to flow in said head when said head is in such depositing position.

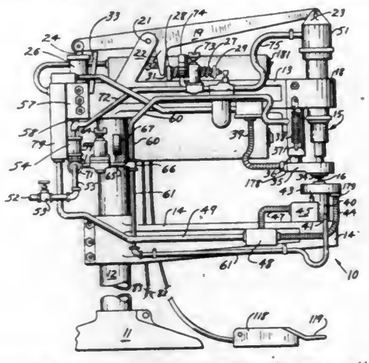
2,455,702

METHOD OF FORMING MATERIAL

George D. Rechton, Los Angeles, Delbert J. Ward, Sherman Oaks, and Jack H. Watson, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.

Original application September 7, 1942, Serial No. 457,630, now Patent No. 2,372,516, dated March 27, 1945. Divided and this application September 20, 1944, Serial No. 555,028
7 Claims. (Cl. 153—21)

1. A method of dimpling between pressurally related forming elements sheets of a material which cannot be satisfactorily formed below its critical slippage point which comprises: radiationally preheating a preselected local portion of a sheet of said material by mounting the sheet between two heating elements held at different degrees of heat with the portion to be dimpled in sufficiently close proximity to the elements as to receive radiant heat therefrom; moving said



elements into engagement with the opposite surfaces of the sheet at the local portion thereof to conductively heat said portion; removing said elements from contact with the opposite surfaces of the sheet; and thereafter applying sufficient percussive flexural force at the center of the heated local portion to properly flexurally form the material without appreciably thinning the same or causing it to appreciably flow.

2,455,703

PROCESS OF PURIFYING NUCLEAR-CHLORINATED BIS-PHENOLS BY STEAM DISTILLATION

Louis F. Reuter, Elyria, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application September 17, 1946, Serial No. 697,595
2 Claims. (Cl. 202—46)

1. The process of purifying a crude nuclear-chlorinated alkylidene bis-phenol, which comprises maintaining the crude phenol in the molten state at a temperature in excess of 100° C. but less than 250° C., passing steam superheated to a temperature greater than 185° C. but less than 250° C. into said molten crude, and condensing the vapors evolved.

2,455,704

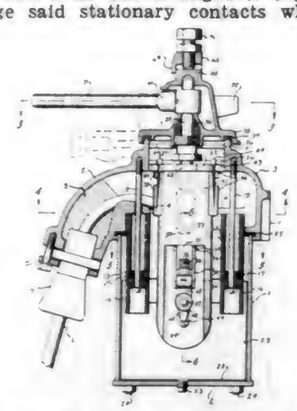
ELECTRICAL CUTOUT

William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware

Original application March 6, 1946, Serial No. 652,323. Divided and this application September 10, 1947, Serial No. 773,125
3 Claims. (Cl. 200—150)

1. An oil switch construction comprising a casing adapted to contain oil, a pair of concentric cylinders of insulating material carried by said casing and having a portion at least projecting into the oil, a pair of stationary contacts carried on the inner side of the inner cylinder, leads extending downwardly in the space between the cylinders and electrically connected to the stationary contacts, an insulating rotor revolubly supported inside of said inner cylinder, and a pair of electrically connected movable contacts car-

ried by said rotor and arranged to engage and disengage said stationary contacts when said



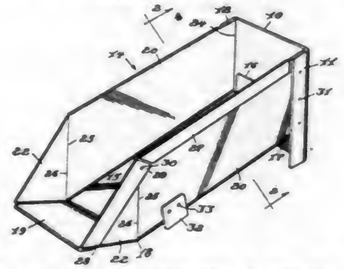
rotor is turned to first or a second position, respectively.

2,455,705
GOLF TEE
John C. Seager, Hartsdale, N. Y.
Application March 5, 1946, Serial No. 652,109
2 Claims. (Cl. 273—33)



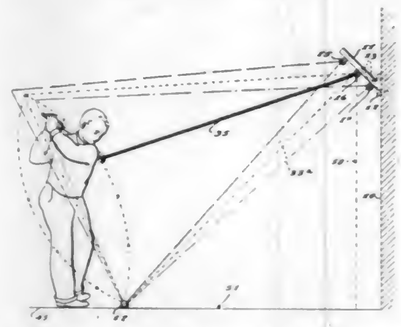
2. A golf tee formed of a plastic material and comprising a downwardly tapering stem having at least three downwardly tapering ribs spaced equidistantly thereabout, the lower end of each rib merging with said stem adjacent the lower end thereof to form a single pointed end, and the top end of each of said ribs extending above the top of said stem and consisting of a surface inclined downwardly toward the stem whereby the outer extremities of said top ends constitute the ball-supporting means when a golf ball is positioned on the tee.

2,455,706
INCLINED BIN
Thomas Shaw, Cranston, R. I., assignor to Stack-bin Corporation, a corporation of Rhode Island
Application October 19, 1945, Serial No. 623,305
3 Claims. (Cl. 220—97)



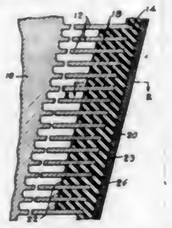
1. A bin having a rear wall, a bottom wall at a location spaced upwardly from the lower edge of the rear wall and inclined at an obtuse angle thereto for the major portion of its extent and then directed upwardly at its mouth portion, side walls folded upwardly from the same piece of material as said bottom wall, one side wall portion being folded along said major portion of the bottom wall and another side wall portion being folded along said mouth portion of the bottom wall, said side wall portions abutting and said mouth portion of the side wall having its upper edge folded outwardly with one end overlapping the adjacent side wall portion and means for securing the overlapping parts together to hold said abutting edges in abutting relation.

2,455,707
GOLF INSTRUCTOR
Andrew D. Sheffer, Brighton, Mich.
Application May 7, 1948, Serial No. 25,609
4 Claims. (Cl. 273—35)



1. An apparatus for practicing the swinging of a golf club comprising a vertical support, a bracket secured to the support at a predetermined height above the base of the support, said bracket being inclined at an acute angle to the support, eyes equally spaced from each other and attached along the inclined bracket, a shoe connected to the head of a golf club, and a flexible member connected between one of the eyes and the shoe, said flexible member being longer than the height of any of the eyes from the ground.

2,455,708
FIN VIBRATION DAMPENER
Frederick S. Sherwin, Fair Lawn, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application February 27, 1947, Serial No. 731,282
9 Claims. (Cl. 257—261)



9. Means for damping vibrations of heat exchange fins projecting from a body, said means comprising a member having spaced projections of rubber-like material extending therefrom for reception between said fins, and a member engageable with said projections for squeezing said projections laterally into engagement with said fins.

2,455,709
BATTERY BOX ASPHALT AND METHOD OF MAKING THE SAME
Wallace E. Speishouse, East Hills, and Arthur H. Boenau, Long Island City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application April 3, 1945, Serial No. 586,456
4 Claims. (Cl. 196—74)

1. That method of making an asphalt suitable for use, together with filler and fibre, in the production of molded battery boxes which comprises the following steps: solvent refining a reduced crude to produce therefrom a solvent extract tar, reducing said tar by distillation to a material of the following properties:

Softening point (R. & B.)----°F. min--	80
Specific gravity @ 77/77° F----min--	1.00
Penetration @ 32° F., 200 gr., 60 sec----	20 to 150
Viscosity furol @ 210° F. secs--------	100 to 750
V. G. C----------min--	.890

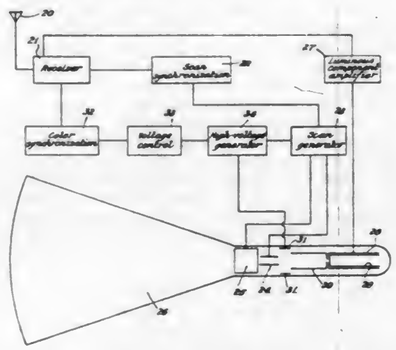
and then oxidizing the reduced tar to an asphalt having the following properties:

Specific gravity @ 77/77° F------min--	1.03
Softening point (R. & B.) ----------°F--	250–300
Penetration @ 77° F., 100 gr., 5 sec------	0 to 4
Penetration @ 115° F., 50 gr., 5 sec------	1 to 6
Penetration @ 150° F., 50 gr., 5 sec------	5 to 16

3. An asphaltic material, suitable for the making of molded battery boxes when blended only with fibre and filler, having the following properties:

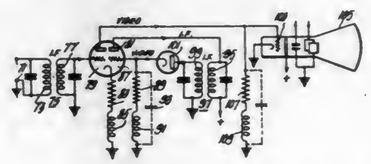
Specific gravity @ 77/77° F------min--	1.03
Softening point (R. & B.) ----------°F--	250–300
Penetration @77° F., 100 gr., 5 sec------	0 to 4
Penetration @ 115° F., 50 gr., 5 sec------	1 to 6
Penetration @ 150° F., 50 gr., 5 sec------	5 to 16

2,455,710
COLOR TELEVISION SYSTEM
Constantin S. Szegho, Chicago, Ill., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application December 21, 1943, Serial No. 515,081
4 Claims. (Cl. 178—5.4)



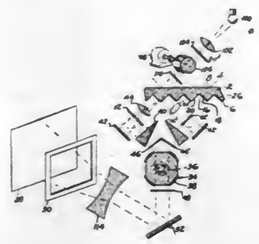
1. Color television receiver employing a cathode ray tube and reproducing screen, said screen including a plurality of phosphors arranged in discrete layers thereupon, each phosphor reproducing in the effective luminous output thereof one of the elemental colors used for color analysis, said receiver also including means for scanningly projecting an electron beam upon all the layers of said screen, and means for varying the potential of said beam, thereby selectively to excite a predetermined one of said phosphor layers.

2,455,711
BIDIRECTIONAL HIGH GAIN AMPLIFIER
George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 23, 1944, Serial No. 569,503
12 Claims. (Cl. 250—20)



1. A bidirectional amplifier for signal currents of different frequency including first and second amplifying tubes each including an input circuit and an output circuit and having a common cathode circuit whereby said tubes may be operated as mutual cathode followers, means for applying signal currents of one frequency to the input circuit of said first tube, means for applying signal currents of a different frequency to the input circuit of said second tube, means for deriving from said second tube amplified currents of said one frequency, and means for deriving from said first tube amplified currents of said different frequency.

2,455,712
RECORDING DISK FOR SOUND AND PICTURES
Adolph F. von Soden, Los Angeles, Calif.
Application February 25, 1947, Serial No. 730,837
6 Claims. (Cl. 88—16.2)



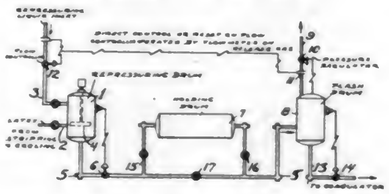
5. In the apparatus of the class described, comprising a disc mounted upon a vertical rotatable shaft, a two sided angularly spiral groove upon the bottom surface side of said disc, a sensitized film strip mounted upon said sides of said spiral groove, means in said apparatus for imprinting the sound upon the top surface of said disc means, means in said apparatus for photographing pictures in consecutive successions on said sensitized film strip in said disc means, and means in said

apparatus for controlling the position of said sound imprinting means and for controlling the position of said picture photographing means, during the operation of said apparatus.

2,455,713
PREPARATION OF A SULFIDE CATALYST
Alexis Voorhies, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application November 3, 1943, Serial No. 508,865. Divided and this application December 4, 1945, Serial No. 632,803
2 Claims. (Cl. 252—248)

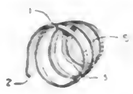
1. A process for preparing a catalyst of improved mechanical strength adapted to promote the hydrogenation of nitro aromatics in the liquid phase which comprises forming a mixture of at least one group 6 metal oxygen-containing compound and a support consisting of alumina and 10% to 40% clay, activating said mixture by heat treatment for a period of 2 hours at a temperature of about 1200° F., subjecting the mixture to a sulfiding treatment whereby the group 6 metal oxygen-containing compounds are converted to the sulfides, and heat treating the sulfided mixture at a temperature of 1300° F. to 1500° F. for a period of 2 to 12 hours to impart mechanical strength thereto.

2,455,714
METHOD FOR THE COAGULATION OF EMULSION POLYMERIZATES
Wendell W. Waterman, Cranford, and Ernest O. Ohsol, Rahway, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 5, 1942, Serial No. 467,960
4 Claims. (Cl. 260—84.5)



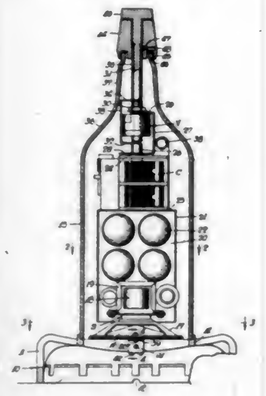
1. The process which comprises continuously combining a latex, obtained by the polymerization in aqueous emulsion of a reaction mixture of butadiene and acrylonitrile and which has been substantially freed from monomers, with an excess of butadiene as repressuring agent, mixing the latex and repressuring agent under a pressure at least equal to the vapor pressure of said repressuring agent to effect sufficient solution of the repressuring agent in the aqueous and non-aqueous phases of the latex to render the latex substantially saturated with repressuring agent at the lower pressure next applied, continuously discharging the treated latex into a flashing zone of lower pressure, venting off the liberated excess repressuring agent, controlling the rate of admission of the repressuring agent so as to maintain a substantially constant differential pressure between the mixing zone and the flashing zone, maintaining a substantially constant pressure in the flashing zone by regulating the rate at which the liberated excess repressuring agent is vented off and continuously adding coagulant brine to the treated latex while the latex contains from about 0.5 to 5% of repressuring agent.

2,455,715
ORNAMENTAL HAIR FILLET
Judith T. Webster, Boston, Mass.
Application January 16, 1947, Serial No. 722,366
6 Claims. (Cl. 132—46)



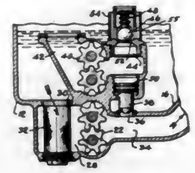
1. A hair supporting and retaining fillet comprising a resilient head band and a resilient coil connected to said head band, said resilient coil being adapted to encircle and support a coiffure.

2,455,716
RADIO RECEIVER
Shirley Irving Weiss, New York, N. Y.
Application October 11, 1945, Serial No. 621,745
12 Claims. (Cl. 250—14)



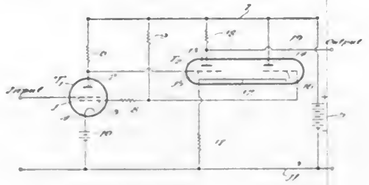
10. A radio receiver unit in the form of an advertising novelty simulating a bottle on a base, said unit comprising a hollow base with ports through the wall thereof for sound emission, said bottle structure being open at its lower end, said base having a bezel supporting the lower edge of the bottle structure, a radio receiver sub-assembly comprising a downwardly facing loud speaker structure, an upstanding panel affixed thereto and rising therefrom, said panel being at a substantial distance from the axis of the bottle structure, radio tubes removably affixed to and extending at right angles to one face of said panel, fixed condensers affixed to said panel at the opposite face thereof, variable circuit control elements, including a variable condenser and a volume-control member, one above the other, rising from the panel and supported thereon, coaxial operating shafts for said condenser and said volume-control member and rising through the neck of said bottle structure, a strap diametrically across the loud speaker and across the bezel and removably affixed to the latter to sustain the radio-received assembly within the bottle structure, an operating knob for one of the variable elements affixed to one of the operating shafts and simulating the bottle neck trim, said knob being telescoped at its outer edge over the rim of the bottle, and an operating button above said knob simulating a bottle stopper and affixed to the other shaft of said unit.

2,455,717
AUTOMATICALLY SUBMERGED SUMP PUMP
Walter L. Weeks, Wyckoff, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application October 9, 1946, Serial No. 702,246
11 Claims. (Cl. 103—11)



1. In combination, a sump into which a liquid is arranged to drain, a pump operable to remove liquid from said sump, a passage establishing communication between the outlet and inlet sides of said pump, a valve arranged to control said passage, said valve being urged in an opening direction by the output pressure of said pump, and means operable to hold said valve closed against said pump pressure only when the level of the liquid is above said pump to a predetermined extent.

2,455,718
DIRECT-CURRENT AMPLIFIER
Barton L. Weller, Richland, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 27, 1945, Serial No. 580,045
4 Claims. (Cl. 179—171)

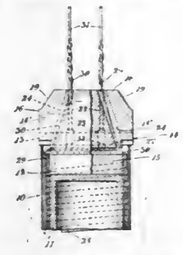


1. An electrical amplifier comprising, in combination, a discharge device including a control electrode having an input signal voltage impressed thereon, and a pair of electrodes whose voltages change in opposite directions for a given uni-directional change in input signal voltage and change in the same direction for a given uni-directional change in cathode emission current resulting from causes other than that produced by a change in signal input, circuit means including two triodes having grids connected, respectively, to said pair of electrodes and having interconnected cathodes, resistance means for making said triode grids vary in voltage the same amount and in the same direction for said given uni-directional change of cathode emission current of said first-mentioned discharge device, resistance means in series with one of said triodes to make its cathode follow the potential of its grid and to make the grid and cathode of the other triode ineffective to translate said changes of cathode emission current occurring in said first discharge device, and an output circuit controlled solely by fluctuations in anode potential of said last-mentioned triode.

2,455,719
GLASS MANUFACTURE
Woldemar A. Weyl and Helen S. Williams, State College, Pa., dedicated, by mesne assignments, to the People of the United States of America
No Drawing. Application June 1, 1945, Serial No. 597,144
6 Claims. (Cl. 41—42)

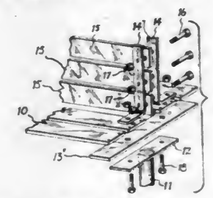
2. The method of dealkalizing glassware surfaces which comprises coating the surfaces with an aqueous dispersion of a clay, drying the coated glassware, and heating the coated glassware to above 150° C. and below the softening temperature of the glassware to effect removal of alkali from the surfaces and combination thereof with the clay.

2,455,720
CORE INSULATOR
Leonard P. Young, Chester, Conn.
Application January 15, 1947, Serial No. 722,134
6 Claims. (Cl. 201—63)



1. In an insulator for resistance wire of electric soldering irons or the like, a substantially narrow, elongated and relatively high two-piece structure adapted for association with the recessed end of a casing for supporting a heating element, said two-piece structure comprising upper and lower cooperating portions, said upper portion having an endwisely reduced downward extension provided with a recess along its entire length, a pair of vertical, parallel lead passages transversing the body of said upper portion and having enlarged ends terminating in the recess, and a pair of inclined, resistance wire-receiving passages extending from the top of the upper portion into and terminating at the ends of the recess; said lower portion having an upwardly directed, centrally disposed rib extending along its entire length, said rib being adapted to project into said recess, whereby the latter is divided into two parallel channels, and to seal the enlarged ends of said lead passages.

2,455,721
AIRWAY MARKER
John Abiuso, New Cumberland, Pa.
Application April 12, 1945, Serial No. 587,974
6 Claims. (Cl. 40—125)



2. A ground marker for aircraft including a substantially flat, horizontal section of substan-

tial length and width composed of a plurality of elongated slats arranged in side-by-side, spaced relation and extending along the length of said section; and a substantially flat, vertical section disposed above said horizontal section and composed of a plurality of elongated slats arranged one above the other in vertically spaced relation, said vertical section being of substantial height and of a length substantially coextensive with that of said horizontal section.

2,455,722

METHOD FOR PRODUCTION OF POLYMERIC BETA,GAMMA-OLEFINIC ALCOHOLS

David E. Adelson and Harold F. Gray, Jr., Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 8, 1945, Serial No. 633,880
9 Claims. (Cl. 260—80)

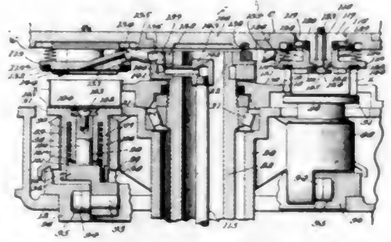
1. A process for the preparation of a polymeric alcohol which comprises heating polymer of an acetal of a saturated aliphatic monoaldehyde of 1 to 6 carbon atoms and an unsaturated monohydric alcohol having from 3 to 9 carbon atoms with an olefinic bond between the beta and gamma carbon atoms thereof in the presence of a substantial amount of a dilute aqueous solution of a strong mineral acid while removing the aldehyde from the reaction mixture substantially as fast as it is liberated by the hydrolysis reaction.

2,455,723

RECEPTACLE-MOVEMENT CONTROLLED FILLING APPARATUS

Gerald L. Ardron, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application May 3, 1943, Serial No. 485,511
5 Claims. (Cl. 226—99)



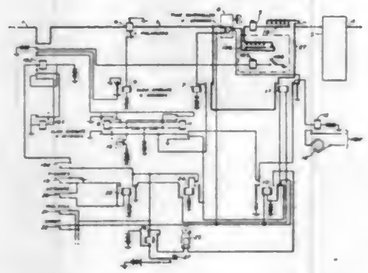
1. In apparatus for delivering liquid to containers, a relatively fixed part formed with a vertical opening through which fluid may be delivered; a filler head under said fixed part; a movable guide member on said filler head; a fixed guide member on said fixed part and having sliding engagement with said movable guide member; a spring interposed between said guide members and urging said filler head downwardly away from said fixed part; a valve port extending through said filler head under said opening; a valve seat on the bottom of said filler head and surrounding said port; a valve member carried by said fixed part and being engageable by said valve seat; and an axially resilient throat member interposed between said vertical opening and said valve port, said throat member engaging said relatively fixed part adjacent said vertical opening and engaging said filler head adjacent said valve port and serving to prevent liquid passing from said opening to said port from contacting said spring and said guide members.

2,455,724

CONTROL OF SELECTORS OVER COMMUNICATION CHANNELS BY STORAGE CONTROLLED TRANSMITTERS

Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application August 17, 1940, Serial No. 353,086. Divided and this application February 5, 1943, Serial No. 474,843
18 Claims. (Cl. 178—2)



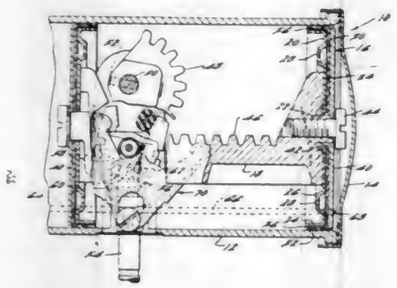
1. In a communication system, a communication channel including a plurality of stations each provided with teletypewriter receiving mechanism and each provided with a plurality of contact sets selectively operated by said mechanism, transmitting mechanism at said stations, tape transmitters at a minimum of one of said stations, slow-acting means at each of said stations for sending a prolonged calling-in signal over said channel, and means including one of said contact sets at a transmitting station provided with one of said tape transmitters responsive to the transmission of a code for operating said slow-acting means and for correspondingly delaying the operation of said tape transmitter.

2,455,725

WINDSHIELD WIPER MECHANISM

Rupert B. Bell, Ann Arbor, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan

Application June 29, 1943, Serial No. 492,734
8 Claims. (Cl. 309—34)



1. In a fluid motor construction, a casing, a piston slidably disposed therein, said piston including a disc-shaped member, a cup-shaped member superimposed over said disc member having an annular flanged portion which slidably engages the inner walls of said casing, another disc-shaped member interposed between said first two members having resilient portions adjacent the

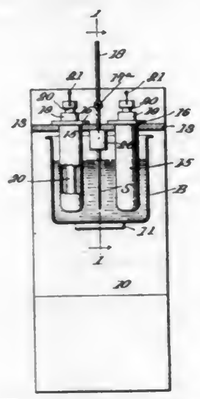
periphery thereof which engage said flange to resiliently urge said flange into engagement with said inner walls, said first and third named members being so constructed and arranged as to provide a lubrication chamber therebetween, and means formed in one of said first and third named members to conduct the lubricant from said chamber outwardly to the periphery of said second named member.

2,455,726

METHOD FOR ELECTROLYTIC STRIPPING AND DETERMINATION OF PLATING METAL

Gordon H. Bendix, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application July 13, 1942, Serial No. 450,750
4 Claims. (Cl. 204—1)



1. The method of determining the amount of tin present in tin plate having a ferrous base, which comprises magnetically suspending a specimen of the tin plate by its edge in an anolyte containing a standard quantity of elemental iodine in the presence of hydrochloric acid, passing electric current with said specimen as anode and employing a separate catholyte for preventing contact of the cathode hydrogen with the electrolyte, and determining the amount of iodine consumed during the stripping as the direct indication of the amount of tin originally present on the tin plate.

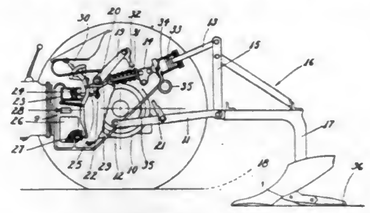
2,455,727

IMPLEMENT CONTROL MEANS FOR TRACTOR MOUNTED AGRICULTURAL IMPLEMENTS

Ernest V. Bunting, Dearborn, Mich., assignor to Harry Ferguson, Inc., Dearborn, Mich., a corporation of Delaware

Application November 23, 1944, Serial No. 564,778
8 Claims. (Cl. 97—50)

1. The combination of a tractor having a piston and cylinder type hydraulic lift motor thereon, means for supplying pressure fluid to said cylinder to effect a relative axial displacement of said piston and cylinder, compression and draft links trailingly pivoted in vertically spaced relation from the rear end portion of the tractor, means for detachably connecting an implement to the rear ends of said links to apply a forward reaction thrust to said compression link in proportion to the draft load imposed on the implement, control means for varying the volume of fluid in said cylinder automatically in response to variations in the thrust on said compression link, means for suspending said draft links from said lift motor for vertical movement thereby, and means associated with said links including an auxiliary piston and cylinder having free pressure communication with said main piston and cylinder, said auxiliary piston and cylinder being so constructed and arranged as to enable piston movement to either side of some intermediate position during the course of normal use.

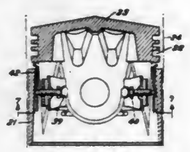


2,455,728

PISTON EXPANDER

David Bushby, Regina, Saskatchewan, Canada, assignor to Vacuum Air Pressure Company Limited, Regina, Saskatchewan, Canada, a company of Saskatchewan, Canada

Application February 25, 1946, Serial No. 649,841
In Canada March 19, 1945
6 Claims. (Cl. 309—12)



5. A piston expander comprising a frame having a relatively rigid member and a resilient member, said members being of generally circular section and concentrically disposed over the major portion of their length with the resilient member outermost, said resilient member being formed with outwardly curved high parts for engagement with the interior wall of a part of a piston skirt to be expanded and inwardly curved low parts positioned out of engagement with the piston skirt, means for securing said frame in a piston skirt, and means carried by said frame for expanding the high parts of the resilient member in an outward direction.

2,455,729

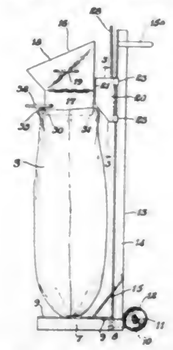
SACK HOLDER

Lawrence Byers, Homeworth, Ohio

Application January 16, 1947, Serial No. 722,341
4 Claims. (Cl. 248—97)

1. A sack holder having a base, wheels at one end of said base for rollably supporting the same, a standard supported on said base adjacent to said wheels and having a smooth edge extending throughout its length, a handle at the upper end of said standard, a hopper slidably and removably mounted on said standard, a friction clamp on said hopper, spring means normally holding said clamp in frictional locking engagement with the smooth edge of said standard at any point, a re-

lease lever connected to said clamp, means on the hopper for engaging the mouth of the sack in



open position, and a gravity latch for gripping the sack against said engaging means.

2,455,730
SULFONATED AROMATIC DERIVATIVES
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 5, 1945, Serial No. 597,707
3 Claims. (Cl. 260—401)

1. As a new chemical compound a sulfonated fatty acid ester of an aryl hydroxyalkyl ether having the graphic formula:

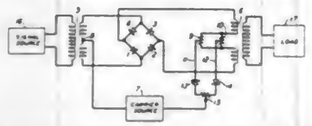
$$(MSO_3)_m—X—O—(Y—O)_n—CO—R$$

wherein M is a positive ion, X is a mononuclear aryl group of the benzene series, Y is an alkylene group containing 2–6 carbon atoms and R is an aliphatic radical selected from the group consisting of the straight chain aliphatic and cycloaliphatic radicals derived from fatty acids containing 10–25 carbon atoms, m is 1–2 and n is 1–3.

2,455,731
RESINOUS CONDENSATES OF β-PROPIONOLACTONE AND POLYHYDROXY COMPOUNDS
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 10, 1947, Serial No. 773,291
15 Claims. (Cl. 260—2)

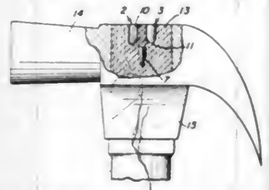
1. A resinous condensation product of β-propionolactone and a polyhydric alcohol selected from the group consisting of aliphatic polyhydric alcohols having from 2 to 6 free hydroxyl groups and containing from 2 to 6 carbon atoms; aliphatic monocarboxylic acid esters of aliphatic polyhydric alcohols, said ester having from 2 to 5 free hydroxyl groups, the monocarboxylic acid radical containing from 2 to 18 carbon atoms; alkyl ethers of aliphatic polyhydric alcohols, said ether having from 2 to 5 free hydroxyl groups, the alkyl group containing from 1 to 4 carbon atoms; and alkyl ether-aliphatic monocarboxylic acid esters of aliphatic polyhydric alcohols, said ether-ester having from 2 to 4 free hydroxyl groups, the alkyl group containing from 1 to 4 carbon atoms and the monocarboxylic acid radical containing from 2 to 18 carbon atoms, said β-propionolactone being used in a mol. ratio of 0.5 to 1.5 mols. for each free hydroxyl group of the polyhydric alcohol.

2,455,732
DOUBLE BALANCED MODULATOR
Herman T. Carter, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 5, 1947, Serial No. 772,385
19 Claims. (Cl. 179—171.5)



1. In combination, a bridge circuit comprising at least four asymmetrically conducting elements disposed in respective arms thereof, a source of alternating current, a first divided connection from one side of said source to one pair of terminals of said bridge circuit, a pair of additional oppositely poled asymmetrically conducting elements, a second divided connection from the other side of said source to one side of each of said additional asymmetrically conducting elements, and connections from each of the other pair of bridge terminals to the other sides of both of said additional asymmetrically conducting elements, one pair of said bridge elements being poled to receive current predominantly from one of said additional asymmetrically conducting elements, and the other pair of said bridge elements being poled in the opposite direction to receive current predominantly from the other of said additional asymmetrically conducting elements.

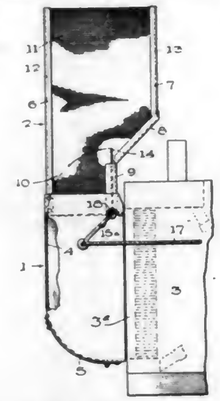
2,455,733
TOOL HANDLE WEDGE
Donald F. Christoffer, Spirit Lake, Iowa
Application January 25, 1946, Serial No. 643,238
1 Claim. (Cl. 306—33)



A locking wedge for tool handles comprising a substantially H-shaped body, integral bits radially disposed on the body and extending longitudinally thereof, said bits having cutting edges at the bottom portions thereof and smoothly contoured arcuate walls extending from the cutting edges, a locking bit having an arcuate cutting edge, said locking bit being integral with said body and having a flat upper surface spaced from the cutting edges of said first mentioned bits, grooves formed between certain of said bits, the said locking bit adapted to form an initial cleavage in a handle, the cleaved portions of which are adapted to be fractured by the cutting edges of the bits, and the fractured portions of the handle being distorted torsionally between the bits.

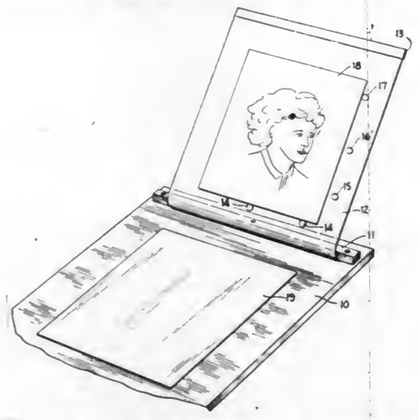
2,455,734
RADIATOR SHIELD
Leon R. Clausen, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application July 26, 1944, Serial No. 546,681
3 Claims. (Cl. 183—53)

1. In a screening device for engine cooling air, a radiator shield comprising a lower section adapted to be mounted in front of a radiator and an upper section having its upper portion of materially greater girth than the lower section, and further having a restricted lower portion attached to the lower section, said upper section having front and rear screened walls and further having screened side walls merging into a rounded screened top wall, a damper pivotally supported



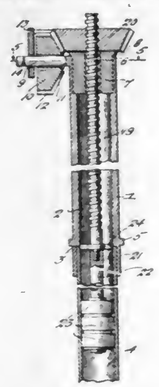
at the region of the restricted lower portion of the upper section, spring means normally urging the damper to open position and manually operable means connected with the damper for moving the same to closed position against the action of said spring means for interrupting the draft through said upper section for dropping accumulations of suspended material from the screened walls.

2,455,735
REGISTRATION OF COLOR SEPARATION IMAGES
Louis M. Condax, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 12, 1945, Serial No. 588,013
3 Claims. (Cl. 101—211)



1. The method of registering photographic transfer images which comprises producing a plurality of relief images representing different color sensation records of an object on separate supports, cutting straight lines along at least two adjacent edges of said supports when the images thereon are in register, soaking said relief images in a transfer solution, applying said supports carrying said relief images successively to a sheet of material having low shrink-and-swell amplitude, securely fastened at one end to a rigid support, and having stops cooperating with said adjacent edges of the supports to register said images, and pressing said relief images successively into contact with a receiving blank for said transfer solution on said rigid support.

2,455,736
WELL CYLINDER VALVE PULLER
Clarence Conley, Adamsville, Tex.
Application May 7, 1946, Serial No. 667,919
1 Claim. (Cl. 254—29)

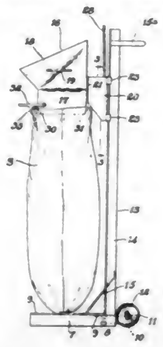


A well cylinder valve puller including a tube detachably seated on a well casing, said tube having a depending retaining collar adapted to engage around the upper end of the casing and an upwardly facing annular shoulder adjacent the upper end thereof, a supporting block having a central bore received in the upper end of the tube and seated on said shoulder and having a lateral flange on the upper end thereof received on the upper end of the tube, a jack screw reciprocably mounted in said bore and extending into the well casing, a coaxially reduced threaded inner end on said screw for positioning in a sucker rod in the well casing, a bevel gear rotatably supported on said supporting block and having a center threaded bore for operatively receiving the jack screw, a stud extending laterally from the upper end of the tube, a bevel gear complementary to the bevel gear on the block rotatably received on said stud and ratchet means for rotating said gears to actuate said jack screw.

2,455,737
METHOD OF ATTACHING METAL CLOSURES TO CONTAINERS
John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 29, 1944, Serial No. 547,181
1 Claim. (Cl. 113—120)

The method of attaching metal closure ends to container bodies having flat sides and rounded corners consisting in forming a metal closure end with a depression surounded by a wall adapted to fit within the flat sides and rounded corners of the container body, and a flange extending outwardly all the way around the closure end, which flange overlies the body wall when

lease lever connected to said clamp, means on the hopper for engaging the mouth of the sack in



open position, and a gravity latch for gripping the sack against said engaging means.

2,455,730

SULFONATED AROMATIC DERIVATIVES

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wherein M is a positive ion, X is a mononuclear aryl group of the benzene series, Y is an alkylene group containing 2–6 carbon atoms and R is an aliphatic radical selected from the group consisting of the straight chain aliphatic and cycloaliphatic radicals derived from fatty acids containing 10–25 carbon atoms, m is 1–2 and n is 1–3.

2,455,731

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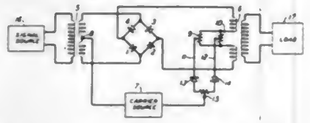
1. A resinous condensation product of β-propionolactone and a polyhydric alcohol selected from the group consisting of aliphatic polyhydric alcohols having from 2 to 6 free hydroxyl groups and containing from 2 to 6 carbon atoms; aliphatic monocarboxylic acid esters of aliphatic polyhydric alcohols, said ester having from 2 to 5 free hydroxyl groups, the monocarboxylic acid radical containing from 2 to 18 carbon atoms; alkyl ethers of aliphatic polyhydric alcohols, said ether having from 2 to 5 free hydroxyl groups, the alkyl group containing from 1 to 4 carbon atoms; and alkyl ether-aliphatic monocarboxylic acid esters of aliphatic polyhydric alcohols, said ether-ester having from 2 to 4 free hydroxyl groups, the alkyl group containing from 1 to 4 carbon atoms and the monocarboxylic acid radical containing from 2 to 18 carbon atoms, said β-propionolactone being used in a mol. ratio of 0.5 to 1.5 mols. for each free hydroxyl group of the polyhydric alcohol.

2,455,732

DOUBLE BALANCED MODULATOR

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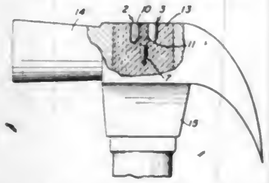
1. In combination, a bridge circuit comprising at least four asymmetrically conducting elements disposed in respective arms thereof, a source of alternating current, a first divided connection from one side of said source to one pair of terminals of said bridge circuit, a pair of additional oppositely poled asymmetrically conducting elements, a second divided connection from the other side of said source to one side of each of said additional asymmetrically conducting elements, and connections from each of the other pair of bridge terminals to the other sides of both of said additional asymmetrically conducting elements, one pair of said bridge elements being poled to receive current predominantly from one of said additional asymmetrically conducting elements, and the other pair of said bridge elements being poled in the opposite direction to receive current predominantly from the other of said additional asymmetrically conducting elements.

2,455,733

TOOL HANDLE WEDGE

Donald F. Christoffer, Spirit Lake, Iowa

Application January 25, 1946, Serial No. 643,238
1 Claim. (Cl. 306—33)



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2,455,734

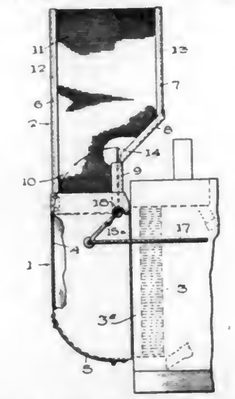
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Leon R. Clausen, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation

Application July 26, 1944, Serial No. 546,681
3 Claims. (Cl. 183—53)

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adapted to be mounted in front of a radiator and an upper section having its upper portion of materially greater girth than the lower section, and further having a restricted lower portion attached to the lower section, said upper section having front and rear screened walls and further having screened side walls merging into a rounded screened top wall, a damper pivotally supported



at the region of the restricted lower portion of the upper section, spring means normally urging the damper to open position and manually operable means connected with the damper for moving the same to closed position against the action of said spring means for interrupting the draft through said upper section for dropping accumulations of suspended material from the screened walls.

2,455,735

REGISTRATION OF COLOR SEPARATION IMAGES

Louis M. Condax, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 12, 1945, Serial No. 588,013
3 Claims. (Cl. 101—211)



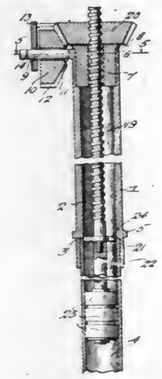
1. The method of registering photographic transfer images which comprises producing a plurality of relief images representing different color sensation records of an object on separate supports, cutting straight lines along at least two adjacent edges of said supports when the images thereon are in register, soaking said relief images in a transfer solution, applying said supports carrying said relief images successively to a sheet of material having low shrink-and-swell amplitude, securely fastened at one end to a rigid support, and having stops cooperating with said adjacent edges of the supports to register said images, and pressing said relief images successively into contact with a receiving blank for said transfer solution on said rigid support.

2,455,736

WELL CYLINDER VALVE PULLER

Clarence Conley, Adamsville, Tex.

Application May 7, 1946, Serial No. 667,919
1 Claim. (Cl. 254—29)



A well cylinder valve puller including a tube detachably seated on a well casing, said tube having a depending retaining collar adapted to engage around the upper end of the casing and an upwardly facing annular shoulder adjacent the upper end thereof, a supporting block having a central bore received in the upper end of the tube and seated on said shoulder and having a lateral flange on the upper end thereof received on the upper end of the tube, a jack screw reciprocably mounted in said bore and extending into the well casing, a coaxially reduced threaded inner end on said screw for positioning in a sucker rod in the well casing, a bevel gear rotatably supported on said supporting block and having a center threaded bore for operatively receiving the jack screw, a stud extending laterally from the upper end of the tube, a bevel gear complementary to the bevel gear on the block rotatably received on said stud and ratchet means for rotating said gears to actuate said jack screw.

2,455,737

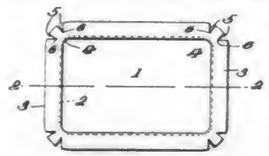
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1 Claim. (Cl. 113—120)

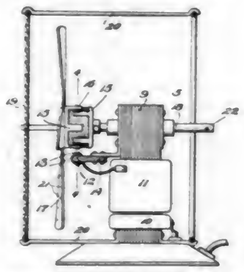
The method of attaching metal closure ends to container bodies having flat sides and rounded corners consisting in forming a metal closure end with a depression surounded by a wall adapted to fit within the flat sides and rounded corners of the container body, and a flange extending outwardly all the way around the closure end, which flange overlies the body wall when

the closure is placed therein, cutting the flange at each corner so as to provide two V-shaped notches located at the end of the straight side portions of the flange and terminating in the flange at the outside of the body wall, said notches being of a size so that the sides of the retained portions of



the flange at the rounded corners are substantially parallel, placing said metal closure end on the container body and curling the flange downwardly and inwardly into locking engagement with the body member to provide a smooth substantially continuous portion with the side edges of the notches in contact.

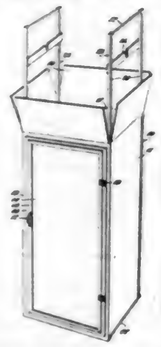
2,455,738
ELECTROSTATIC AIR FILTER AND CIRCULATOR
George W. Crise, Columbus, Ohio
Application June 30, 1945, Serial No. 602,551
8 Claims. (Cl. 183—7)



1. An electrostatic air filter and fan comprising: a synchronous alternating current motor including a stator having a frame, an armature, an armature shaft, a primary low-voltage winding on the stator, a secondary high-voltage winding disposed on the stator in inductive relationship to the low-voltage winding, and a current-rectifying commutator fixed to rotate with the armature shaft, a bladed fan rotatable with said commutator, a metallic fan guard carried by the stator frame, the periphery of said commutator being formed with electrically spaced bars carrying radially extending electrodes, alternate bars of said commutator being electrically joined with said armature shaft and said fan, and spaced sets of stationary electrodes joined with the secondary winding and insulated from said stator frame, said stationary electrodes being disposed in close physical relation to but without actual contact with the electrodes of said commutator bars.

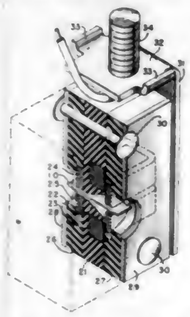
2,455,739
COLLAPSIBLE STORAGE CABINET
Edma H. Curtis, Cincinnati, Ohio, assignor to The Nivison-Weiskopf Company, Reading, Ohio, a corporation of Ohio
Application June 2, 1945, Serial No. 597,194
4 Claims. (Cl. 312—144)

1. A collapsible cabinet comprising paperboard wall members hinged to one another at their longitudinal edges and, by virtue of said hinged connections, being collapsible into flat-folded form, frame members adapted respectively for facial engagement with opposite side walls of the cabinet at the interior thereof, the said frame members having longitudinal members residing adjacent the said walls of the cabinet which are



contiguous to said opposite side walls, and members for maintaining said frames in spaced relationship to one another against inward collapse thereof, one of said hinged walls having a die-cut opening therein, and a frame and door assembly carried by said wall upon the margin of said die-cut opening.

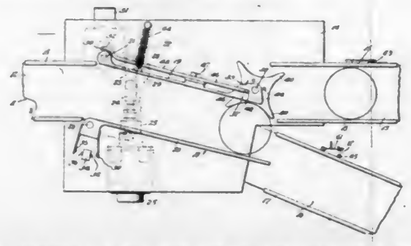
2,455,740
MAGNETOSTRICTIVE TIME-DELAY DEVICE
Leslie F. Curtis, Haydenville, Mass., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application November 12, 1947, Serial No. 785,425
16 Claims. (Cl. 178—44)



16. In a time-delay signal-translating device including a magnetostrictive converter, a coupler assembly for coupling to said converter comprising: a supporting member of insulating material having a transversely extending, tapered aperture through which said converter projects and having a winding receiving recess surrounding said aperture; a winding supported in said recess to enclose a predetermined section of said converter and effective to magnetize said section longitudinally; at last one pole shoe of magnetic material having high permeability, high resistivity to eddy currents and substantially no residual magnetization, said pole shoe including portions which are positioned on opposite sides of said member, overlapping said recess thereof and extending approximately to the surface of

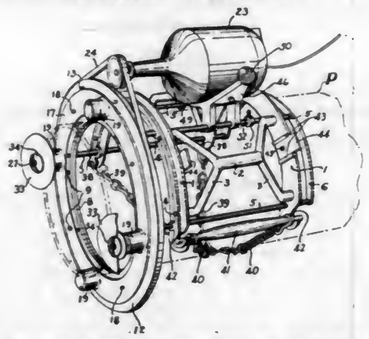
said converter, thereby to provide a low reluctance flux path for said winding comprising substantially only said predetermined section of said converter and to confine the magnetizing effect of said winding substantially to said section of said converter, additional insulating members positioned on opposite sides of said supporting member overlying said pole shoe and having apertures in coaxial alignment with said aperture of said supporting member and conductive shield plates apertured to receive said converter and positioned on the remote sides of said additional members.

2,455,741
AUTOMATIC CAN DISTRIBUTOR
Thomas C. Dodge, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 23, 1946, Serial No. 664,389
8 Claims. (Cl. 198—31)



7. Means for automatically distributing a succession of cans or the like into a plurality of runways in accordance with their several capacities, comprising a conveyor for feeding the cans, a main discharge conveyor and a secondary discharge conveyor, a pivoted gate from the feed conveyor, a star-wheel mounted to rotate across the gate, means operable by the filling of either discharge conveyor to its capacity to lock the star-wheel against rotation, means for shifting said gate to discharge cans into the secondary conveyor, means for shifting said gate back to the main discharge conveyor, and means operable by the completion of the shifting of the gate to release the star-wheel for free rotation.

2,455,742
PIPE GRINDER
Rudolph P. Dorian, Wichita Falls, Tex.
Application June 26, 1946, Serial No. 679,407
13 Claims. (Cl. 51—241)

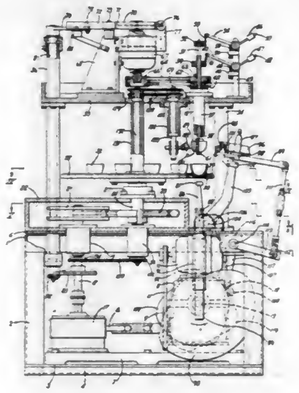


3. In a machine for grinding an end of a pipe, the combination of a main frame including spaced arcuate frame members adapted to be mounted on a pipe, abrasive means carried thereby, and a flexible device for securing the main frame on the pipe, said flexible device being connected with the arcuate frame members at one end thereof, each of said arcuate members having a catch at the opposite end thereof, and a bar connected with the flexible device and detachably engaging the catches.

2,455,743
WATER DISPERSIBLE COATING VEHICLE
George E. Ellerman, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
No Drawing. Original application December 10, 1943, Serial No. 513,727. Divided and this application October 23, 1945, Serial No. 624,089
7 Claims. (Cl. 260—22)

1. A process of forming a water-emulsifiable, air drying coating composition from the reaction product of glycerol, rosin and linseed oil, which process comprises treating said product with maleic anhydride at a temperature of about 200° C. for a period of about one hour to form an addendum product therewith, hydrolyzing the product with water by heating to approximately 100 to 130° C. and neutralizing the product with a mixture of sodium silicate and a basic nitrogen compound soluble in water and consisting of ammonia and alkylol amines and morpholine.

2,455,744
CUP FINISHING APPARATUS
Walter H. Emerson, East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va., a corporation of Delaware
Application June 21, 1947, Serial No. 756,257
24 Claims. (Cl. 25—22)



1. Cup finishing apparatus comprising a cup-receiving chuck rotatable on a vertical axis, vertically movable means below the chuck adapted to support an upright partially dried clay cup, lifting means for periodically raising said cup-supporting means to fit successive cups over said chuck, a finishing tool disposed beside the chuck, driving means for rotating the chuck with a cup thereon, and actuating means for moving the tool into contact with the cup on the rotating chuck.

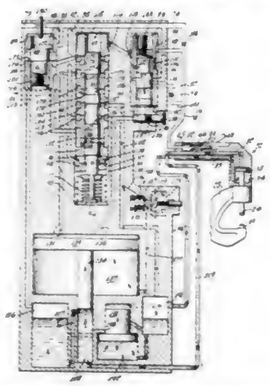
2,455,745
STABILIZATION OF STYRENE AND POLYMERIZABLE RING CHLORINATED STYRENES
Edwin R. Erickson, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application November 19, 1943, Serial No. 510,924
10 Claims. (Cl. 260—650)

1. The method of inhibiting the polymerization of a compound of the group consisting of styrene and polymerizable ring chlorinated styrenes which comprises incorporating therein a 2,5-dialkoxyhydroquinone.

2,455,746
STABILIZATION OF VINYL AROMATIC COMPOUNDS
Edwin R. Erickson, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application March 30, 1944, Serial No. 528,777
17 Claims. (Cl. 260—650)

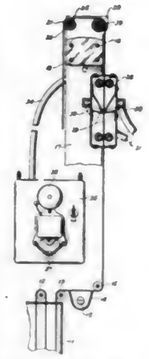
1. A compound selected from the group consisting of styrene and polymerizable ring chlorinated styrenes having dissolved therein as a stabilizer a 2,5-disubstituted hydroquinone in which the substituents are selected from the group consisting of alkyl and aralkyl radicals.

2,455,747
VALVE CONTROL FOR FLUID LEVELS IN HYDRAULIC POWER PLANTS
Howard R. Fischer and Edward W. Stevens, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Original application November 18, 1939, Serial No. 305,204, now Patent No. 2,365,536, dated December 19, 1944. Divided and this application October 21, 1944, Serial No. 559,762
8 Claims. (Cl. 60—51)



2. In a hydraulic system, the combination of a cylinder, a motor piston reciprocable therein, a pair of oil reservoirs in communication with the respective ends of said cylinder, means for applying air pressure in alternate ones of said reservoirs to actuate said piston, a passageway connecting said reservoirs independently of the cylinder, a first means settable to effective and ineffective positions for controlling the flow of oil in one direction through said passageway, and a second means settable to effective and ineffective positions for controlling the flow of oil in the opposite direction through said passageway and operable when in effective position to set the first settable means in ineffective position.

2,455,748
POSITION INDICATOR DEVICE FOR FILM STRIP
Harold L. Fitch, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 15, 1945, Serial No. 635,242
9 Claims. (Cl. 177—311)

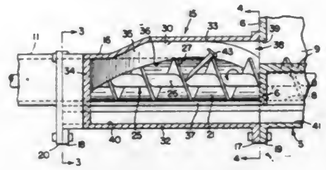


6. In an apparatus for the continuous treatment of a strip of film by a reversal process, said film comprising a base, one side of which is coated with a photographic emulsion, the combination with a printing station, of a roller over which said film strip is arranged to move, said roller comprising a hub of insulation material and a pair of spaced electrically conducting flanges engaged and spanned by said film, a signal device, electrical actuating means connected into the circuit of said flanges and said signal device, and means positioned in advance of said roller for removing surface moisture from said base and emulsion to surface-dry said strip, said dry base being non-conductive and serving to insulate said flanges from each other when the base side of said film is against said roller to render the signal device inoperative, but the inadvertent turning of said strip to bring the emulsion side thereof against said roller serving to electrically connect said flanges through said emulsion to close the circuit through said signal device to render the latter operative to indicate that the strip has been turned over.

2,455,749
CONDIMENT
Aladar Fonyo, La Grange, Ill., assignor to Wm. J. Stange Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application March 15, 1946, Serial No. 654,807
3 Claims. (Cl. 99—140)

1. A condiment, characterized by the substantial immunity of its content of pungent and aromatic derivatives of black pepper from deterioration by the salt with which they are associated, comprising a major quantity of finely divided common salt, and a minor quantity of a viscous partly liquid and partly crystalline extraction of black pepper including its naturally occurring chlorophyll oleoresin, volatile pepper oil and piperine.

2,455,750
SCRAP SEPARATOR FOR MATERIALS CONVEYER
Edward A. Freed, Moline, Ill.
Application April 3, 1944, Serial No. 529,247
7 Claims. (Cl. 198—64)

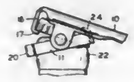


7. For use with a hopper for fluent solids, a materials conveyor comprising a housing having a flared entrance adapted to communicate with said hopper and a cylindrical passage, an auger extending through said entrance from said hopper and through said passage and having a continuous helical vane for moving the fluent solids from said hopper into and through said passage, a portion of said passage having an opening communicating with the interior of said housing, said opening being defined by a continuous helical upper edge curving over the top of said auger, said upper edge extending down said one side of said auger, and a lower edge extending axially along the bottom of said passage, said housing having side and bottom walls spaced laterally and downwardly from said upper and lower edges of said opening, respectively, to provide a receptacle for said infrangible objects.

2,455,751
ALLOYS FOR MAKING CAST IRON
Albert Paul Gagnebin, Red Bank, N. J., Leslie Louis Seigle, Philadelphia, Pa., and James Sebold Vanick, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 16, 1946, Serial No. 662,616. In Canada March 15, 1946
7 Claims. (Cl. 75—171)

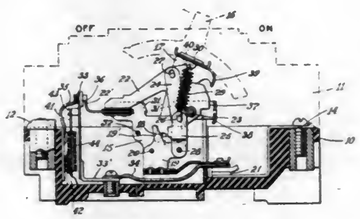
1. An addition alloy for the production of improved cast irons comprising about 11% to about 17% silicon, about 9% to about 11% chromium, about 14% to about 17% molybdenum, about 0.4% to about 1.0% calcium, about 6% to about 11% iron, and the balance essentially nickel and constituting about 48% to about 53% of the alloy.

2,455,752
BOTTLE OPENER
Ernest Geh, Rocky River, Ohio
Application December 7, 1946, Serial No. 714,838
5 Claims. (Cl. 81—3.46)



5. A device for removing crown caps from glass bottles, comprising a supporting member in the form of an annulus adapted to embrace the crimped flange of the bottle cap and to rest at one point upon the bulge of the bottle neck below said flange and at an opposite point provided with a foot adapted to rest upon the rim of the cap above the bottle neck, and a lever member pivoted upon the supporting member on a transverse axis lying intermediate said two points and at a level above the lower edge of the cap flange and having a depending claw member adapted for engagement beneath the edge of the cap flange for prying the cap loose upon operation of said lever, the claw member of said lever member and the foot of said supporting member being disposed on opposite sides of the pivotal axis of said lever, said annular supporting member having an outwardly extending U-shaped portion in the path of travel of said claw member and providing a recess through which said claw member extends and travels.

2,455,753
THERMAL CIRCUIT BREAKER
Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application October 10, 1944, Serial No. 557,961
3 Claims. (Cl. 200—116)

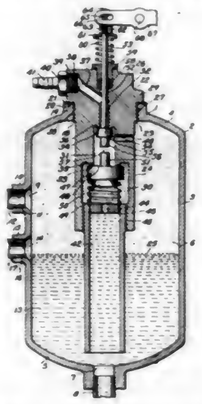


1. In an electric switch construction, an insulating housing containing the stationary and movable contacts and including a spring-pressed movable member, a thermostatic latch in the switch circuit normally restraining said movable member and adapted to release said movable member in case of a predetermined change in the condition in the circuit in which the switch is connected, an auxiliary compensating thermostatic member mounted in the housing alongside of but independently of the thermostatic latch and independent of the electric circuit and having a sliding connection with the thermostatic latch and having a substantial contact with a wall of the housing whereby both thermostatic members are subject to same changes in ambient atmospheric temperature but in offsetting directions and the compensating thermostatic member is delayed by the heat conducted to the housing wall when the latch is heated electrically.

2,455,754
DEVICE FOR TEMPERING STEAM
William C. Glover, Jr., Lee's Summit, Mo., assignor to Bill Glover Incorporated, a corporation of Missouri
Application March 10, 1945, Serial No. 582,111
11 Claims. (Cl. 261—51)

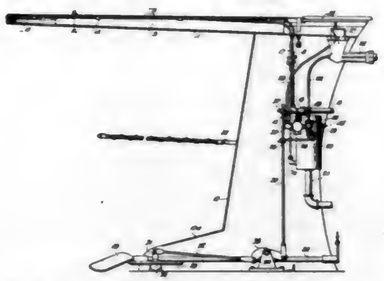
1. An apparatus of the character described including a vessel for containing a body of liquid and having means for limiting the maximum level that the liquid can attain in the vessel to provide a steam space above said liquid, a steam inlet connection for the vessel, a steam tempering unit including a valve body having a steam

chamber and an interconnected tempering liquid chamber, a duct having an inlet located within the body of liquid contained in the vessel and connected with the tempering liquid chamber for flow of liquid from the vessel into the tempering chamber under pressure of the steam acting on the body of liquid in said vessel, a valve controlling flow of tempering liquid from the tempering liquid chamber into the steam chamber, said steam chamber having a steam inlet connected with the steam space in the vessel



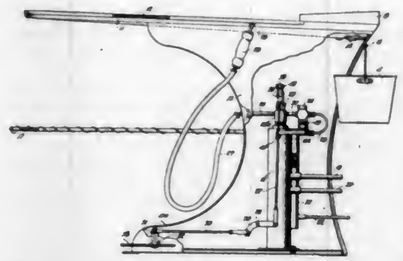
and an outlet, the last mentioned inlet being restricted in size as compared with said outlet, a valve controlling said outlet and having lost motion connection with the first-named valve, and means for actuating the last-named valve for discharging steam from the steam space in said vessel through said outlet and for opening the first-named valve for admitting liquid from the tempering liquid chamber into the steam chamber for tempering said steam when the last-named valve is moved a sufficient distance to actuate the first-named valve.

2,455,755
STEAM VACUUM FINISHER
William C. Glover, Jr., Kansas City, Mo., assignor to Bill Glover Incorporated, a corporation of Missouri
Application February 18, 1946, Serial No. 648,267
3 Claims. (Cl. 68—6)



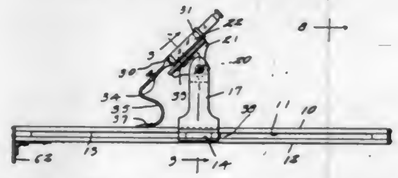
1. A steam vacuum finisher comprising a pedestal, a shallow pan supported thereby, a foraminous sheet covering the pan, a heating coil within the pan in heat exchange relation with said sheet, a nozzle for injecting an open steam supply into the pan beneath the foraminous sheet, a steam vacuum injector connected with the pan for imposing vacuum conditions on the pan, a steam separator carried by the pedestal and pipe connections for introducing steam to the separator through the coil, separate steam supply lines from the separator to the nozzle and from the separator to the vacuum injector, and controls optionally operable for separately delivering steam to the nozzle and vacuum injector.

2,455,756
MECHANISM FOR SUPPLYING STEAM AND HEATED AIR TO SPOTTING MACHINES
William C. Glover, Jr., Kansas City, Mo., assignor to Bill Glover Incorporated, a corporation of Missouri
Application February 18, 1946, Serial No. 648,268
3 Claims. (Cl. 68—6)



1. In a spotting board, a spotting nozzle, a receptacle having a steam inlet and a steam outlet, a discharge line connecting the receptacle to the nozzle, a valve in the discharge line for controlling the flow of steam therethrough to the nozzle, an air supply line connected to said discharge line, a valve in the air line for controlling the flow of air through the air line to the discharge line and hence to the nozzle, the air supply line including an elongated tube supported by the receptacle on the outside thereof with the wall of the tube in engagement with the wall of the receptacle to facilitate the transfer of heat therebetween, an actuating device common to said valves and movable in either direction from a neutral position, and linkage from the device to the valves adapted to open only one valve when the device is moved in one direction from neutral and to open only the other valve when the device is moved in the other direction from neutral.

2,455,757
DEVICE FOR ADMINISTERING ANESTHETICS
Ella S. Graybeal, Great Falls, Mont.
Application April 16, 1945, Serial No. 588,618
5 Claims. (Cl. 311—10)

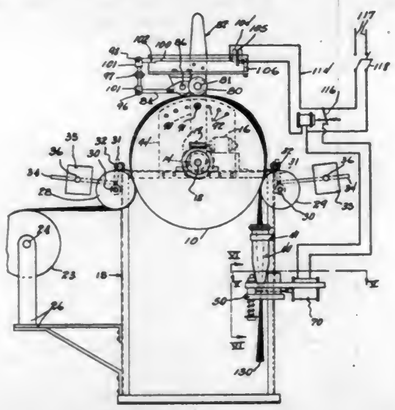


3. An apparatus for giving an anaesthetic comprising an arm board including upper and lower members, spacing elements to maintain said members in spaced relation, a laterally extending member slidable between said upper and lower members, bracing means slidable on said upper and lower members and said slidable member for holding said sliding member against all but sliding movement on said arm board, locking means fixing said arm board, said sliding member, and said bracing means against sliding movement therebetween, a second slidable member on said first slidable member and an anaesthetic container supporting platform rockably mounted on said second slidable member.

2,455,758
METHOD OF PREPARING A MINERAL BINDER
Herbert Hans Greger, Washington, D. C.
No Drawing. Application December 10, 1941, Serial No. 422,460
1 Claim. (Cl. 106—85)

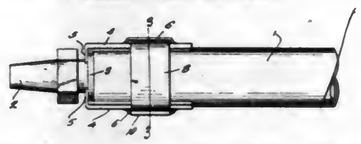
A method of preparing a mineral binder comprising forming a homogeneous dry mixture of aluminum sulphate capable of liquefying in its water of crystallization calcium phosphate and an insolubilizing basic compound selected from the group consisting of barium carbonate and lead oxide capable of reacting with the metal salt in a molten condition and thereafter submitting the dry mixture to heat and pressure to liquefy the aluminum sulphate and react the calcium phosphate and insolubilizing compound therewith.

2,455,759
METHOD OF MANUFACTURING SYNTHETIC BRISTLES FOR BRUSHES.
John J. Gregory, Creighton, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 28, 1944, Serial No. 533,206
5 Claims. (Cl. 300—21)



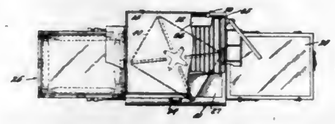
1. In a method of cutting tapered synthetic bristles to measured lengths from continuously fed bristle stock composed of successively tapered portions, the steps which comprise shearing the bristle stock to double length bristle sections at intervals according to the intervals of tapering, gathering the cut double length sections of stock with thinner portions of all the cut sections bunched together, subsequently further cutting the sections to single length bristles while maintaining together the respective thinner and thicker portions preparatory to incorporation of the bristles into a brush.

2,455,760
HOSE CLAMP
Gustaf Gustafson, Yakima, Wash.
Original application January 20, 1943, Serial No. 472,999. Divided and this application January 31, 1945, Serial No. 575,411
1 Claim. (Cl. 285—84)



A hose clamp comprising, in combination, a pair of similar separate clips in the form of elongated sheets of arcuate cross section adapted to be mounted and secured longitudinally of and upon opposite sides of a hose and to partially embrace the latter to secure a flanged fitting therein, each clip having an inturned hook at one end engageable with the flange of the fitting and having a longitudinal loop struck outwardly therefrom intermediate the sides thereof to form a slot in the clip inwardly of the loop, and a separate metallic strap having an end inserted outwardly through the slot of one clip and bent back over the latter at one side of its slot, said strap being tightly passed around one side of the hose and beneath the other clip, then tightly around the other side of the hose and through the loop of said one clip, then tightly around both sides of the hose and through the loops of both clips, the other end of the strap being bent over the loop of said one clip to secure the strap in tight condition with the hose compressed on the fitting.

2,455,761
PRINTING PLATE WHIRLER
Fred A. Hacker, Cranford, N. J., assignor, by mesne assignments, to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application August 3, 1944, Serial No. 547,851
3 Claims. (Cl. 91—42)

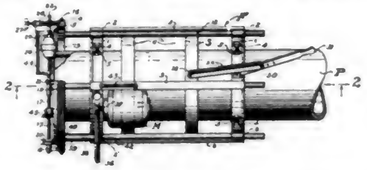


1. Apparatus for making photolithographic printing plates and the like, which comprises a cabinet having a compartment therein, a horizontal rotary plate whirler mounted on the bottom of said compartment, a motor for driving said whirler, an electrical heating element below the plane of said whirler and within the lateral confines thereof, air inlet openings in the bottom of said compartment adjacent said heating element, fan blades on the lower surface of said whirler for circulating the air, and air outlet openings in said cabinet above the plane of the whirler.

2,455,762
PIPE GRINDER
Oll R. Hall, Wichita Falls, Tex.
Application October 16, 1944, Serial No. 558,844
12 Claims. (Cl. 51—241)

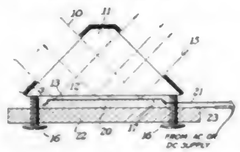
1. In a machine for surfacing the ends of pipe, an elongated saddle type stationary frame, means for detachably securing said stationary frame in

spaced relation around the outer periphery of a pipe and extending therealong, means for mounting a rotatable frame adjacent the end of said stationary frame, means for mounting a grinding



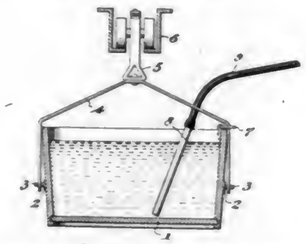
element on said rotatable frame, means for rotating said rotatable frame, and means for imparting rotation to said grinding element while rotating said rotatable frame.

2,455,763
INTERFEROMETRIC LIGHT VALVE
Henry Harrison, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 31, 1945, Serial No. 585,957
5 Claims. (Cl. 88—61)



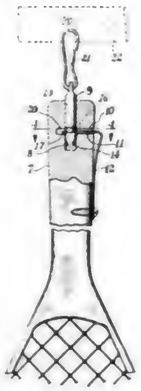
1. A light valve comprising a piezo-electric crystal carrying a light reflecting surface, a transparent member having a refracting surface separated less than five wave lengths of light from said reflecting surface to provide destructive optical interference of a light beam passing through the member to the reflecting surface and being reflected from said refracting surface and said reflecting surface back through the member and means for applying an electric field to the crystal substantially perpendicular to the light reflecting surface for varying the separation of the surfaces and hence the phase of the interference.

2,455,764
METHOD FOR GEL MANUFACTURE
Leslie T. Hartlove, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
Application January 22, 1943, Serial No. 473,245
2 Claims. (Cl. 214—1.1)



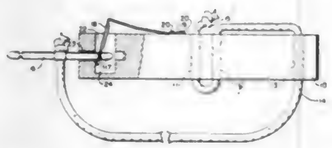
1. A method of removing hydrogel from an invertible setting container comprising inserting the discharge end of an air ejecting conduit into said gel and in engagement with the bottom of the container, ejecting air from said conduit to loosen the adhesion of the gel to the wall of the container, and then inverting the container.

2,455,765
FISH NET HANGER
James W. Harvey, Lakeville, Conn.
Application June 15, 1945, Serial No. 599,589
3 Claims. (Cl. 248—360)



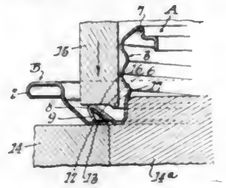
1. A quick detachable fish net support comprising a pin loosely supported by the fisherman's wearing apparel and having a tapered lower end and a reduced neck with a shoulder between the lower end and the neck and a fish net having a handle with a longitudinal passage for the pin and a spring latch member having a part slidable transversely in the handle for interlocking with the shoulder of the pin, said spring having an arm extending along the outside of the handle for manual engagement.

2,455,766
FISH CARRIER
James W. Harvey, Lakeville, Conn.
Application July 25, 1946, Serial No. 686,253
4 Claims. (Cl. 224—7)



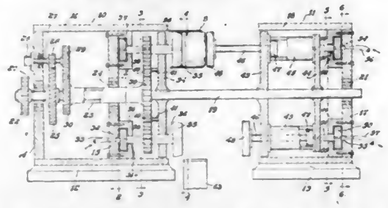
1. A fish carrier comprising a handle member having a number of passages through one end, a cord having one end adjustably held in said passages, a transverse pocket in the other end of the handle member, a spring latch having an arm secured along the upper edge of the handle member and having a member extending into said pocket, said handle member having a pin passage in its end intersecting said pocket, a threading pin secured to the other end of the cord and having a tapered tip with a reduced neck, said spring member having an elongated opening adapted to receive the tip of the pin when inserted through said pin passage in the end of the handle member, the walls of the pocket limiting the movement of the spring member.

2,455,767
SPUT CONNECTION
John Henchert, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 11, 1944, Serial No. 549,054
1 Claim. (Cl. 285—49)



The combination of a container end having a flange at its outer peripheral portion and a central opening, the metal of the end being shaped so as to extend downwardly and inwardly from the flange, thence inwardly and thence upwardly to surround said central opening, the portion of the end surrounding the opening being bent outwardly to form a seaming hook, a nozzle having a vertically disposed body portion provided with a dispensing opening at the upper end thereof, said body portion of the nozzle having at its lower end thereof an outwardly extending portion overlying the seaming hook on the container end and bent back upon itself to form a seaming hook which extends into and interlocks with the seaming hook on the container end, said inclined portion on the end adapted to extend around a portion of the base of the seaming hook on the nozzle and said outwardly extending portion of the nozzle being bent downwardly and tightly around the base of the seaming hook formed on the container end so that downward pressure on the nozzle will tend to draw the inclined portion of the end around the base of the nozzle seaming hook and also draw the outwardly extending portion of the nozzle around the base of the seaming hook on the container end and thereby tighten the same.

2,455,768
AUTOMATIC BEADING AND TRIMMING MACHINE
Richard H. Herman, Massillon, Ohio
Application June 21, 1946, Serial No. 678,381
8 Claims. (Cl. 153—2)



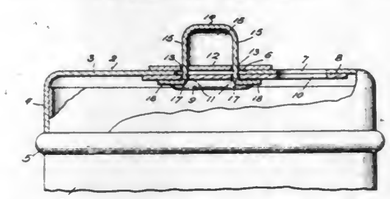
1. A machine for trimming and beading the edges of hollow sheet metal articles, comprising a rotating head stock, a plurality of rotating chucks upon the head stock, a rotating tail stock, a plurality of longitudinally movable rams upon the tail stock axially aligned with the chucks upon the head stock, fluid means for operating each ram at a predetermined point to push the open end of a hollow sheet metal article over the corresponding chuck, trimming and beading means located at one side of the path of the chucks in positions to act on the open ends of said articles carried by the chucks, means for withdrawing each ram at a predetermined point beyond the trimming and beading means, and fluid means at said last named point for removing the articles from the chucks.

2,455,769
DISPENSING CONTAINER
Louis Hermani, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 25, 1945, Serial No. 595,816
3 Claims. (Cl. 222—478)



1. A dispensing container comprising a body portion, a top end seamed thereto, said end having a recess extending from a line adjacent the end seam inwardly therefrom, said recess being defined by side walls and a bottom wall, said bottom wall having inner and outer portions integrally joined and inclined upwardly from the line of juncture, a spout hingedly connected to said side walls adjacent the line of juncture of the bottom portions and adapted to be swung so as to overlie the inner inclined portion of the bottom when in closed position and so as to overlie the outer inclined portion and project beyond the end seam when in pouring position, said inner inclined portion being scored adjacent the line of juncture so that it can be ruptured when desired for providing a pouring opening.

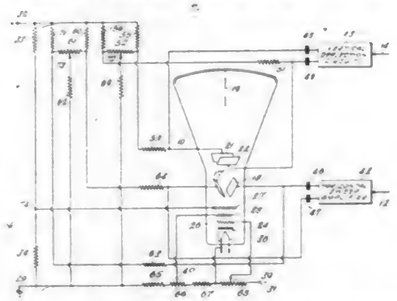
2,455,770
POWDER DISPENSING CONTAINER
Louis Hermani, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 28, 1945, Serial No. 601,988
1 Claim. (Cl. 222—557)



A closure for the body portion of a powder dispensing container comprising a flat top and a depending skirt adapted to engage the body portion of the container, said top having an opening at the center thereof and a dispensing opening at one side of the center, a control slide disposed inside of the top and extending across both of said openings and having slots formed therethrough, a plate spanning the central opening on the outside of the top and having slots formed therethrough, an elongated sheet metal handle having parallel side walls carrying depending lugs adapted to extend through the slots in the plate and the slots in the slide, said lugs being folded back upon the slide for holding the plate and the slide in firm rotatable contact with the top, said lugs being of such width relative to the size of the central opening as to allow said slide to turn about the center of the opening, said con-

trol slide having an opening adapted to be moved into and out of registration with the dispensing opening in the top, said slide having inwardly projecting channels extending along each side thereof for strengthening the slide and holding it in intimate contact with the inner surface of the top throughout the region of the dispensing openings.

2,455,771
CENTERING MEANS FOR CATHODE-RAY DEFLECTING CIRCUITS
Paul F. G. Holst and Loren Robert Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application October 28, 1944, Serial No. 560,756
2 Claims. (Cl. 315—31)



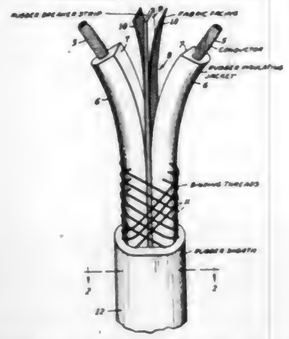
1. An arrangement for providing centering voltages for the deflecting plates of a cathode ray tube having means for generating a cathode ray beam and an accelerating electrode comprising a resistor combination having a pair of resistors one end of each resistor being connected to a third resistor, the other ends of said pair of resistors being joined together, said plates being connected to the ends of said third resistor, a variable contact in engagement with said third resistor, a fourth resistor connected to said variable contact, and terminal means to provide for impressing a voltage across said resistor combination from the free end of said fourth resistor to the ends of said pair of resistors, and means to supply a relatively fixed voltage to said accelerating electrode substantially equal to the average of the voltages applied to said plates.

2,455,772
LOCKING DEVICE FOR GATES
John Jackle, Gratiot Township, Wayne County, Mich.
Application September 21, 1946, Serial No. 698,460
3 Claims. (Cl. 292—88)



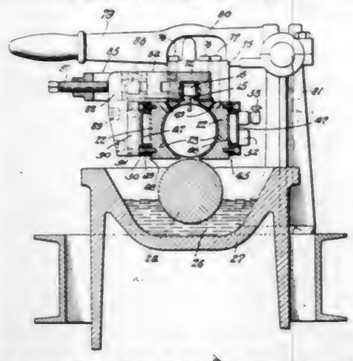
1. A locking device including a body adapted to slide between a movable arm and a frame of a gate to prevent movement of said arm toward the gate frame, a resilient clip secured to the body for sliding movement along the gate frame, and laterally projecting handles extending from the upper extremity of the body to limit downward movement of said body by contact of said handles with ears projecting from opposite sides of said arm past opposites sides of the gate frame.

2,455,773
ELECTRIC CABLE
Richard A. Johnson, Marion, Ind., assignor to Anaconda Wire and Cable Company, a corporation of Delaware
Application July 23, 1946, Serial No. 685,581
7 Claims. (Cl. 174—117)



1. An electric cable comprising two conductors, an individual rubber jacket surrounding each conductor, a rubber sheath enclosing the jacketed conductors, and a breaker strip comprising a strip of rubber faced on each side with a layer of fibrous material extending the length of the cable between the jacketed conductors, the edges of said breaker strip extending into contact with and being firmly bonded to the rubber sheath.

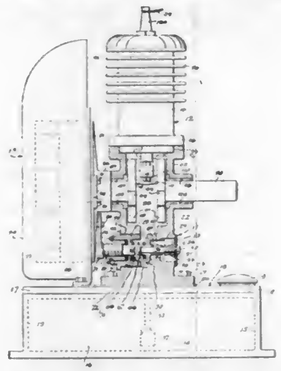
2,455,774
WATER JACKETED AND VENTILATED HORSE
Scott R. Johnson and Ralph M. Mero, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application January 10, 1946, Serial No. 640,170
2 Claims. (Cl. 113—60)



1. In a body maker wherein can bodies having side seams are formed, the combination of an outside horse composed of two laterally spaced parallel rails having concave opposing faces cooperating in forming a feedway for the formed can bodies, a conveyor chain for feeding the can bodies along the horse, a guide rail for the chain having a guideway through which said chain travels, means for solder bonding the can body side seams as the can bodies are moved along the horse, and jacketing extending along the laterally-outwardly presented face of each rail and providing chambering through which a coolant

can flow for dissipating heat from the horse and preventing heat damaging of coatings on the can bodies and warping or sagging of the horse rails, said guide rail having ventilating air vents extending from its guideway through external wall portions thereof, and said horse rail also having a multiplicity of ventilating air vents extending from the concave faces thereof through external wall portions thereof along each side of the chain guide rail.

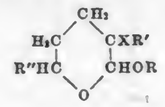
2,455,775
INTERNAL-COMBUSTION ENGINE
Ralph J. Johnston and Arthur R. Novotney, Pontiac, Mich.
Application July 26, 1946, Serial No. 686,541
20 Claims. (Cl. 123—99)



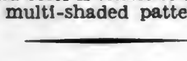
1. An internal combustion engine comprising a housing, a cylinder, a shaft rotatably mounted in said housing, a piston reciprocably mounted in said cylinder, motion-converting mechanism operatively interconnecting said piston and said shaft for converting the reciprocatory motion of said piston to rotary motion of said shaft, an ignition system connected to said cylinder and including an ignition timer with a spark advance adjuster, a fuel intake passageway connected to said housing, a liquid fuel and air mixer connected to said passageway, a valve in said passageway opening into said housing, and movable stop mechanism engageable with said valve to limit the extent to which said valve can open and operatively connecting said valve with said adjuster, said movable stop mechanism being responsive to the spark advance motion of said adjuster for increasing the extent to which said valve can open.

2,455,776
HALOGENATED PYRAN COMPOUNDS AND PRODUCTION THEREOF
David Gwyn Jones and John George Mackay Bremner, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 11, 1946, Serial No. 682,922. In Great Britain July 11, 1945
9 Claims. (Cl. 260—333)

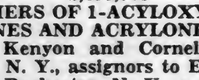
6. New tetrahydropyran derivatives of the formula



wherein R is a radical from the group consisting of —CH_3, —C_6H_5,

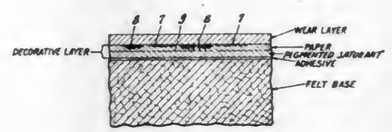


and



R′ is a radical from the group consisting of —Br, —Cl, and —$COOCH_3$; R″ is a radical from the group consisting of —H and —CH_3, and X is a radical from the group consisting of —Br and —Cl.

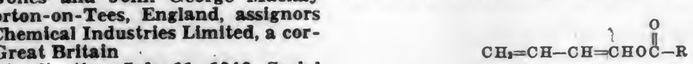
2,455,777
FLOOR COVERING
James Russell Jones, Jenkintown, Pa., assignor to Paulsboro Manufacturing Company, a corporation of New Jersey
Application November 29, 1944, Serial No. 565,591
5 Claims. (Cl. 41—22)



1. A floor covering comprising a foundation or under-layer and a decorative sheet laminated therewith, the decorative sheet being translucent and having contrasting color materials associated, respectively, with the lower and upper sides thereof, the color material associated with the lower side of the sheet being continuous and of uniform color and shade throughout at least a substantial portion of the total area of the sheet to provide a background color visible through the sheet, and the color material associated with the upper side of the sheet being printed in designs having lighter and darker areas through which the background color is visible to different degrees to provide a multi-shaded pattern effect.

2,455,778
COPOLYMERS OF 1-ACYLOXY-1,3-BUTADIENES AND ACRYLONITRILE
William O. Kenyon and Cornelius C. Unruh, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 13, 1947, Serial No. 773,940
19 Claims. (Cl. 260—84)

1. A resinous copolymer of a 1-acyloxy-1,3-butadiene represented by the formula:

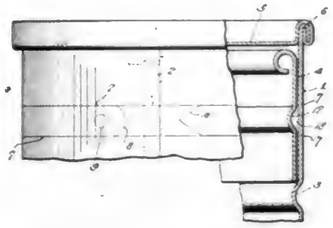


wherein R is an alkyl group having 1 to 3 carbon atoms and acrylonitrile represented by the formula:



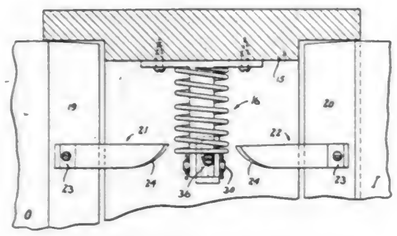
containing from 2.0 to 8% by weight of nitrogen, said copolymer having been prepared from a mixture consisting of the 1-acyloxy-1,3-butadiene and acrylonitrile.

2,455,779
TONGUELESS TEARING STRIP CONTAINER
Thomas P. Keogh, New York, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 6, 1945, Serial No. 597,865
1 Claim. (Cl. 220—54)



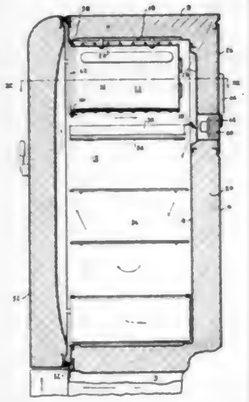
A sheet metal container comprising a body portion having its edges joined in a side seam, a collar disposed within said body, said body having parallel score lines setting off a tearing strip and a score line extending across the strip and setting off an end of the tearing strip, said body also being scored adjacent the end so that the body wall may be ruptured and an opening formed permitting a tool to be inserted for separating the end portion of the tearing strip from the body wall, said collar being beaded inwardly in the region of the tearing strip so as to provide a space between the collar and the body wall for the insertion of the tool, said bead being of less width than the distance between the score lines setting off the tearing strip so that the body wall at the score lines will be supported during the rupturing of the strip to form the opening for the tool.

2,455,780
ALARM SYSTEM FOR DOORS HAVING A PLURALITY OF DOOR PANELS OPERATED IN SUCCESSION
Eugene A. Kohout, Miami, Fla.
Application October 16, 1946, Serial No. 703,505
8 Claims. (Cl. 177—314)



1. An alarm system for the permanent supervision of premises with doors having at least two door panels hinged on a fixed structure to be opened and closed in succession, comprising a contact device, carried by the fixed door structure and provided with at least two separately movable contact carrying members, means for coupling said members mechanically for joint movement in one direction without change of their relative position, operative members associated with said door panels for engaging and moving each of said contact carrying members, the movements produced by the said members, upon a predetermined successive operation of the door panels, occurring all in the direction in which the two separately movable members are coupled, while separate and relative movements of the contact carrying members are produced upon deviation from the predetermined succession and means for operating an alarm circuit upon a change of the relative position of the movable contact members.

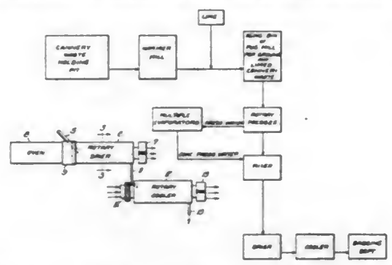
2,455,781
AIR CIRCULATING DUCT FOR TWO-TEMPERATURE REFRIGERATOR CABINETS
Ralph E. Kruck and Elliott E. Grover, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 20, 1946, Serial No. 710,974
7 Claims. (Cl. 62—89)



1. A refrigerator comprising an outer metal shell having vertical side walls, an inner metal shell within and spaced from the outer shell, the upper portion of each of the side walls of the inner shell being bulged outwardly to lie closer to the adjacent side walls of the outer shell than does the lower portion of each of the side walls of the inner shell, the front of said inner shell being open, heat-insulating material in the spaces between the outer and inner shell, a cooling unit in the upper portion of the inner shell, the side walls of the cooling unit lying near but spaced from said bulged-out portions to provide narrow ducts adjacent the cooling unit, and means for closing the space between the top edge and the side edges of the cooling unit at the front thereof and the respective adjacent front edges of the inner shell.

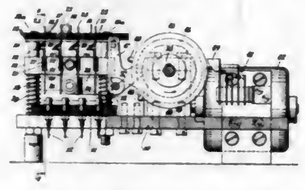
2,455,782
METHOD OF MAKING CITRUS WASTE FEED PRODUCTS
John M. Kuder, Winter Haven, Fla.
Application October 11, 1946, Serial No. 702,649
5 Claims. (Cl. 99—2)

1. In the process of converting citrus waste into feed and fertilizer products wherein the waste is pressed, and the resultant press cake is dried, the improvement, which comprises, concentrating all of the press water to a solids content within the range of from 35–55%, mixing all of the thus concentrated press water with said press cake prior to drying thereby forming a non-sticky, flaky mixture, and drying the resultant mixture to obtain a non-hygroscopic feed and



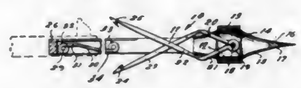
fertilizer product containing substantially all of the nutritive value of said citrus waste.

2,455,783
SELECTOR MECHANISM
Walter T. Lang, Brooklyn, N. Y., assignor to Control Instrument Company, Inc., New York, N. Y., a corporation of New York
Application December 5, 1947, Serial No. 789,994
5 Claims. (Cl. 177—353)



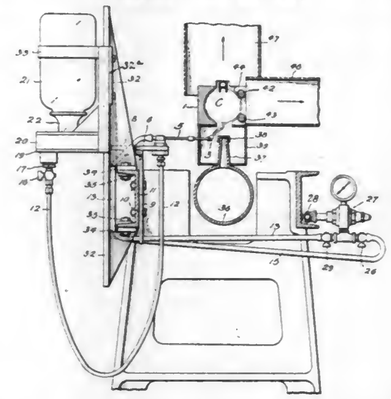
4. In a selector mechanism wherein circuits are established through certain of a plurality of circuit controlling elements by the selection of one of a group of control elements individual to said certain circuit controlling elements, the combination of a carrier frame movable relative to said control and circuit controlling elements, and transfer elements each individual to one of said circuit controlling elements and movable with said frame and rotatively supported therein about axes substantially parallel to the movement thereof, said transfer elements having portions operable by said selectable control elements to rotate said transfer elements to positions wherein they will engage the circuit controlling elements upon movement of said carrier frame toward the latter elements.

2,455,784
FISH SPEAR AND HOOK
Jacob Lapsensohn, Brooklyn, N. Y.
Application February 22, 1945, Serial No. 579,173
3 Claims. (Cl. 43—6)



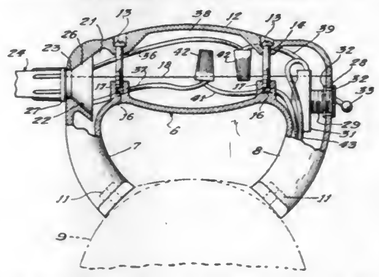
1. A device of the character described including a tubular body portion, a pointed head at one end thereof, a slotted handle portion on the rear end of said body, a bearing pin extending through said tubular body portion, and barbed hooks pivotally supported on said pin in crossed relation and lying in said slotted handle portion.

2,455,785
APPARATUS FOR LACQUER COATING SIDE SEAMS OF CAN BODIES
Ralph A. Larson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 8, 1944, Serial No. 567,180
8 Claims. (Cl. 91—45)



8. In a can body soldering machine having a horse for guiding can bodies with the side seam exposed for treatment at the lower side thereof, a spray nozzle disposed beneath the horse and at one side thereof, means for projecting a spray of lacquer from said nozzle, said horse at the side opposite the spray nozzle being cut away and provided with spaced guide rods for directing the can body through said cut-away section, means for supporting said spray nozzle so that it may be shifted toward and from said horse for projecting a spray of lacquer onto the outer face of the can body at the sides of and in the region of the seam opening, means for enclosing said nozzle in a manner for preventing free dispersion of the spray except against the can body in the region of the seam opening and into and through the horse as stated, and means including a duct for taking away spray passing through said horse.

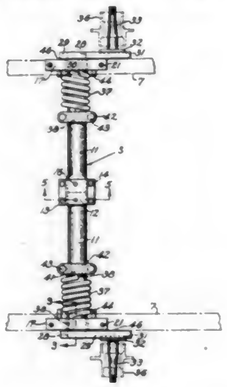
2,455,786
HANDLE FOR PORTABLE BLOWERS
Clarence W. Lanter, Bartlett, Ill., assignor to Breuer Electric Mfg. Company, Chicago, Ill., a corporation of Illinois
Application March 8, 1946, Serial No. 653,212
3 Claims. (Cl. 173—322)



3. A handle for a portable blower and the like, comprising a concavo-convex hand gripping portion, a pair of hollow arms extending inwardly from the front and rear ends from said hand

gripping portion for engagement with a blower, a concavo-convex cap secured to said hand gripping portion to enclose same and also to enclose the outer ends of said hollow arms, said rear arm and cap forming a cable aperture and a strain relief chamber to receive the end of an electrical cable, said strain relief chamber having a frustroconical wall surface converging toward and terminating at said cable aperture, and means for securing said cap to said hand gripping portion to clamp an electrical cable against axial movement within said strain relief chamber and cable aperture.

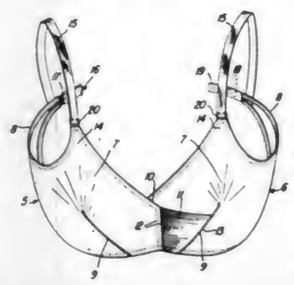
2,455,787
TRAILER AXLE
Frank F. Linn, Walnut Creek, Calif., assignor to Frank F. Linn Corporation, a corporation of California
Application September 24, 1945, Serial No. 618,250
5 Claims. (Cl. 267—58)



1. A vehicle axle comprising, a shaft, radially projecting levers mounted on said shaft adjacent the opposite ends thereof and secured by said shaft for simultaneous joint movement in the same direction therewith, a wheel spindle secured to each of said levers in offset parallel relation to said shaft, bearings on said shaft adjacent said levers and being formed with bracket means for securing said bearings directly to a vehicle body, helical springs surrounding said shaft with one end of each of said springs adjacent one of said bearings, said bearings being formed to engage and secure said adjacent spring ends, and means on said shaft for engaging and securing the opposite ends of said springs to said shaft.

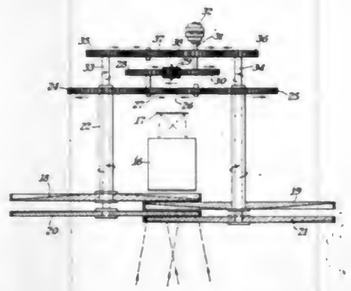
2,455,788
BRASSIÈRE
Jack J. Lo Cascio, Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y., a corporation of New York
Application September 5, 1946, Serial No. 694,961
1 Claim. (Cl. 2—42)

A brassière comprising two substantially similar parts, each of said parts including a breast cup portion shaped to provide a breast cup and a band portion extending from the outer side of said breast cup portion, means to separably connect the free ends of said band portions together at the back of the wearer, the breast cup portions being tapered narrower to the inner sides thereof and having downwardly and inwardly inclined shaping darts extending downwardly from the centers of the cups to the lower edges of said parts, the adjacent side portions of said parts being unconnected and slightly overlapped, and two relatively wide and short horizontally yieldable elastic straps connecting the parts together at the front of the brassière, one of said elastic straps having a vertical end edge sewed to the inner edge of one part and being extended



outside the other part and having an inclined end edge sewed to the breast cup portion of said other part along the inclined dart thereof, the other elastic strap having a vertical end edge sewed to the inner edge of said other part and being extended inside the one part and having an inclined end edge sewed to the breast cup portion of said one part along the inclined dart thereof.

2,455,789
OPTICAL RECTIFICATION FOR MOTION-PICTURE APPARATUS AND THE LIKE
Benjamin Ellan Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 10, 1947, Serial No. 773,205
5 Claims. (Cl. 88—16.8)

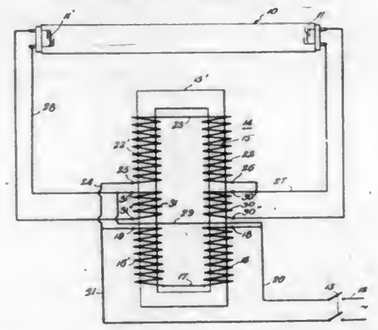


1. In motion picture apparatus of the type in which the film moves continuously at a uniform velocity, a stationary objective, a matched pair of prisms rotatable in opposite directions in front of the objective and in such phase relation as to deviate a light ray in the direction the film moves, a second matched pair of prisms rotatable in opposite directions in front of the objective and in such phase relation as to deviate a light ray in the direction opposite that of the film movement the deviating power of the second pair of prisms being one-eighth that of the first pair, and means for rotating the second pair of prisms at twice the speed of the first pair of prisms.

2,455,790
ENTERIC COATINGS
Carl J. Malm and Gordon D. Hiatt, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 9, 1945, Serial No. 598,638
9 Claims. (Cl. 167—82)

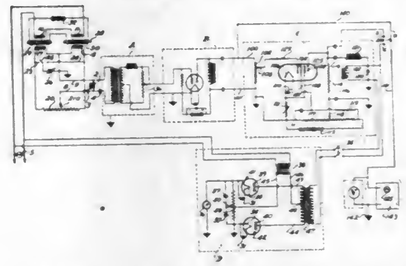
1. As a new article of manufacture a medicament surrounded by an enteric film or layer of a composition essentially consisting of 70–50 parts of a nontoxic water soluble salt of a polyvinyl phthalate, which polyvinyl phthalate has a phthalyl content of at least 45%, and 30–50 parts of gelatin, which composition is substantially insoluble in the acid stomach secretions but disintegrated by the alkaline intestinal fluids.

2,455,791
SYSTEM FOR OPERATING ELECTRIC DISCHARGE TUBES
Camillo Masciarelli, Clinton, Mass.
Application August 27, 1946, Serial No. 693,217
1 Claim. (Cl. 315—276)



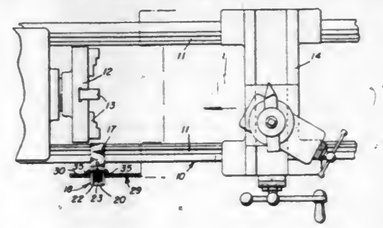
In a system for operating and regulating an electric discharge tube having thermionic electrode filaments, a source of alternating current, a transformer providing a closed magnetic core having two relatively long legs and two relatively short legs connecting the respective ends of said long legs, primary and secondary windings each providing a coil disposed on the same long core leg, with the end of each primary coil being spaced axially of a long core leg from the end of each secondary coil, to permit a relatively large magnetic leakage between said long legs, means connecting the coils of said primary and secondary windings and said tube in a closed series circuit, filament energizing windings having their terminals connected to said tube filaments, with each filament winding being disposed on a long core leg in a space between said primary and secondary coils, and means for connecting both terminals of said primary winding to said source, whereupon sufficient voltage is developed by said filament energizing windings to immediately heat said filaments to a temperature where electrons are emitted and ionization of the gas in the tube takes place, at the open circuit voltage between the electrodes as developed by said primary and secondary windings, with the magnetic flux density in a long core leg at the location of each filament energizing winding being such that the voltage developed by such windings and resulting heating current in the filaments is reduced from its initial starting value to a lower value when the tube is ionized and operating with a reduced steadystate voltage across its electrodes, due to the back electromotive force induced by flow of arc current through the secondary winding which is out of phase with the voltage across the secondary induced from the primary, and with the out of phase current in said secondary winding being in full control of the energy output of each filament winding to obtain the desired degree of filament heating for operating the tube.

2,455,792
LIMITER CIRCUIT FOR ELECTRIC TESTING APPARATUS
Frederick A. Meunier, Cleveland, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application January 29, 1948, Serial No. 5,172
8 Claims. (Cl. 175—183)



1. An apparatus for non-destructive testing of elongated metal articles including a primary circuit and a secondary circuit, said primary circuit arranged to induce an alternating current or voltage in the secondary circuit and said article under test being adapted to be moved in proximity to said circuit and the character of the article adapted to influence the current generated in the secondary circuit, said alternating currents in the secondary having phase displacement caused by undesirable characteristics of the article and magnitude changes due to characteristics other than undesirable, circuit means connected to the secondary circuit to remove random variations in the current and comprising a filter, amplifier means connected to said filter for amplifying said signal, a limiter circuit connected to said amplifier circuit to maintain said signal within certain predetermined limits, and means in the output of the limiter circuit to change the signal to a sine wave and detector means connected to said last means for detecting phase shift in said signal.

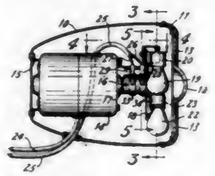
2,455,793
CARRIAGE STOP
Rudolf A. Monkiewicz, North Tonawanda, N. Y.
Application July 10, 1947, Serial No. 760,154
3 Claims. (Cl. 82—21)



1. A carriage stop for a lathe comprising a bracket adapted to be clamped to the bed of a

lathe, said bracket having a groove opening through its top and extending therethrough in parallel relation to the longitudinal axis of the lathe bed, a drum mounted in the bracket to rotate about an axis which lies parallel to the groove, the periphery of the drum lying tangent to the plane of the bottom of the groove, a stop bar movable longitudinally through the groove, said stop bar having longitudinally spaced notches in its underside, a spiral rib extending outwardly from the drum for entrance into successive notches in the stop bar whereby when the drum is rotated the stop bar will be moved along its longitudinal axis and a bar retainer pivoted to each end of the bracket for engagement with the stop bar releasably to retain it in the groove.

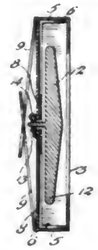
2,455,794
STOP LIGHT FOR AUTOMOBILES
Charles Joseph Montenotte, Detroit, Mich.
Application March 5, 1947, Serial No. 732,395
2 Claims. (Cl. 177—329)



1. A stop light of the kind described comprising a barrel-like casing provided with a flat end cover having a central opening framing a red lens and a plurality of openings arranged in a circle around said red lens, each of said openings framing a transparent pane of different color, a motor at the opposite end of the casing, the motor having a shaft, axially disposed within the casing, a dielectric coupling cylinder mounted on said shaft and carrying a disk spaced from the lens carrying end, a light bulb located centrally on the disk and another light bulb on the marginal portion thereof at a radial distance from the center equal to that of the respective lenses from the central one, the bulbs being located on the side of the disk facing the cover, two metal rings axially mounted on the coupling and spaced from each other, wire conductors leading from one ring to the bulbs and from the bulbs to the other ring, resilient metal fingers in contact with said rings and current conducting means to the motor and to said fingers.

2,455,795
SHADOW BOX CONTAINER FOR MERCHANDISE
Ralph E. Murphy, Beverly Hills, Calif.
Application June 25, 1946, Serial No. 679,154
1 Claim. (Cl. 206—45.31)

A box container comprising a substantially square windowed top having similarly shaped flaps of a like size extending outwardly from each side of said top, each of said flaps being formed with spaced transversely extending parallel score lines adapted to form box sides with inwardly extending overlapping end portions, one pair of oppositely disposed terminal end portions being formed with alignable merchandising supporting apertures adapted to be held in overlapping position by means of said merchandise when placed through said apertures and said merchandise being viewable through said window top, and the other pair of oppositely disposed terminal end portions extending in right angles to said first mentioned terminal end portions being adapted to be bent inwardly over said first mentioned flaps and said merchandise securing



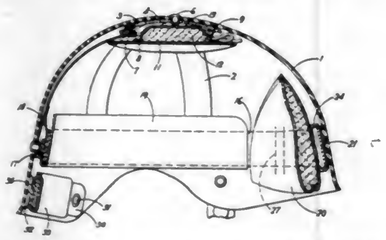
means, and interchangeable locking slots formed in the terminal ends of said last mentioned pair of oppositely disposed overlapping terminal end portions.

2,455,796
ADJUSTABLE WATCH BAND
Bert W. Myer, Sr., Manitou Springs, Colo., assignor of one-half to Bert W. Myer, Jr., Manitou Springs, Colo.
Application October 5, 1945, Serial No. 620,538
2 Claims. (Cl. 224—4)



1. A device of the character described including a wrist band having a flat center surface and resilient arcuate side members to graps the wrist, similarly arcuate pocket members substantially closed at the outer ends and rigidly and longitudinally secured on the exterior of said side members, resilient arcuate straps slidably mounted in said pocket members, inwardly disposed hooks on the adjacent ends of said straps and yieldably supported adjacent said side members on each side of said flat center surface.

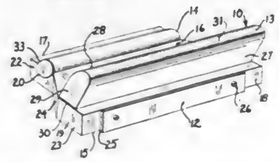
2,455,797
HELMET
Charles H. Myers and William P. Yant, Pittsburgh, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 6, 1946, Serial No. 681,712
13 Claims. (Cl. 2—6)



10. A helmet comprising a head-protecting shell, an adjustable head band therein having its ends located at the front of the shell, means connected to the front of the shell for adjusting said band ends toward and away from each other to vary the size of the head band, means flexibly connecting the remainder of the head band to the shell to permit said remainder to move forward therein when the size of the band is decreased, whereby the position of the front of the head band relative to the front of the shell does not change regardless of head band adjustments, and a pad slidably mounted on the head band in the front of the shell and adapted to space the forehead from said band adjusting means.

13. A helmet comprising a head-protecting shell, an adjustable head band therein having ends disposed adjacent each other, means for adjusting said band ends toward and away from each other to vary the size of the head band, the front of said band being secured to the front of the shell, cradle straps in the shell with their lower ends secured to its sides adjacent the head band and with their upper ends secured to the top of the shell, a cord connecting the straps below their upper ends, means connecting the cord to a fixed position in the shell in front of the upper ends of the straps, said cord being adapted to be drawn up to pull the upper end portions of the straps closer together and forward in the shell, and means flexibly connecting the head band to the cradle straps to permit the side and back portions of the band to move forward in the shell when the size of the band is decreased.

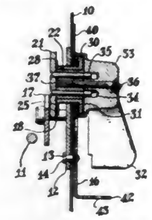
2,455,798
FLUORESCENT LIGHT HOLDER FOR PIANOS
Hans Nicolaysen, Brooklyn, N. Y.
Application June 5, 1946, Serial No. 674,434
4 Claims. (Cl. 248—346)



1. A bracket suitable for resting on a piano and suspending a light containing frame having hooks, comprising a base, a projecting element and a stop means, the base having a sufficient and properly positioned weight to retain the bracket in position on a piano top against the rotating force of the suspended light frame, the projecting element positioned on the base and extending upwardly and forwardly therefrom and overhanging the forward edge of the base, the stop means being positioned at the lower forward edge of the base extending below the base whereby the base is held from sliding backward.

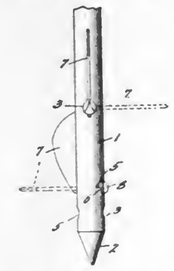
2,455,799
ELECTRIC SWITCH ACTUATING MECHANISM
Reynold A. Ohlson, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application June 17, 1946, Serial No. 677,205
10 Claims. (Cl. 200—50)

3. Switch actuating mechanism including a box cover, a stud projecting inwardly from said cover, an actuating lever hinged and slidable upon said stud to and from the cover for moving a switch part, a sleeve adjustable through said cover, a hub rotatable and slidable in said sleeve, an oscillator secured to said hub, an operating connection between said oscillator and said lever, an external handle detachably connected to said



hub and a slotted extension on the inside of said cover in the path of movement of said switch part for holding the parts in moved position and the cover in closed position.

2,455,800
LAND ANCHOR
Benton A. Oliver, Bloomington, Ind.
Application December 6, 1945, Serial No. 633,226
3 Claims. (Cl. 189—92)

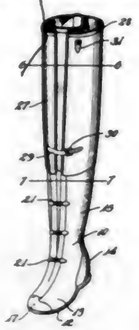


1. A land anchor including a hollow shaft having diametrically opposed openings, one of said openings having a notch, a blade having a shank mounted in said openings, and a knob on the surface of the shank, said knob entered into the hollow shaft through said notch and removably locking the blade to the shaft.

2,455,801
CLOSE-FITTING BOOT
Frederick F. Olson, Sudbury, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 18, 1946, Serial No. 648,285
2 Claims. (Cl. 36—4)

1. A boot of vulcanized flexible rubbery material comprising a lower gaiter-like member having a divided frontal zone extending from the region of the instep of said gaiter-like member to the top thereof and having opposed vertical margins normally in contiguous relation, and upwardly directed leg-encircling member having its lower margin secured around the extent of the upper margin of said gaiter-like member, and a normally collapsed expandable bellows pocket extending continuously across the juncture of said members from the region of the instep to the top of the boot, the lower portion of said bellows pocket comprising a pocket member marginally secured to the opposed margins of said divided frontal zone and extending to the top of said gaiter-like member where said pocket member is marginally secured to the lower

margin of said leg-encircling member, the upper portion of said bellows pocket comprising a frontal zone of said leg-encircling portion biased toward a folded condition forming a normally



collapsed extension of said lower pocket member, said normally collapsed bellows pocket being of substantially uniform cross-sectional configuration throughout its vertical extent.

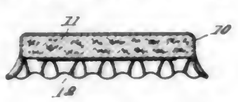
2,455,802

GLASS CLOTH SPOTTING MATERIAL

Edward C. Pfeffer, Jr., Troy, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application June 14, 1943, Serial No. 490,804

2 Claims. (Cl. 117—126)



1. A closure liner facing material for employment upon a resiliently yieldable base, comprising a fabric consisting of multiple interwoven fine fibers of glass and having a thickness of substantially 2 to 4 thousandths of an inch, and a coating adherent to the fibers of the fabric and providing a continuous surface, the material of said coating being the residue produced by baking at a temperature of substantially 375 degrees F. an enamel prepared by effecting limited polymerization of substantially 100 parts by weight of China-wood oil in the presence of substantially 100 parts by weight of a thermofusible phenol-aldehyde resin for thereby producing an oleoresinous base and then mixing with said base a solution in a volatile organic solvent of substantially 80 parts by weight of vinyl chloride-vinyl acetate polymer resin, said facing material being characterized in being flexible, free of flavor characteristics, and having a high tensile strength.

2,455,803

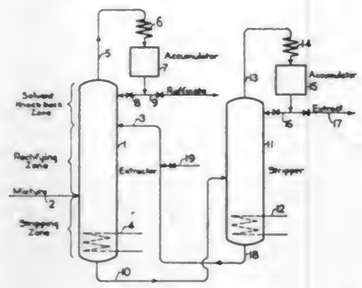
EXTRACTIVE DISTILLATION PROCESS

Gino J. Pierotti, Albany, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 11, 1944, Serial No. 522,206

5 Claims. (Cl. 202—39.5)

1. In an extractive distillation process for the separation of a vaporizable organic mixture comprising predominantly aromatic hydrocarbons and non-aromatic hydrocarbons of similar boiling range with a sulfolane selective solvent therefor, wherein said selective solvent forms two liquid phases under the conditions of the process, the improvement comprising adding to said sulfolane solvent from an extraneous source a mutual solvent which is an aromatic hydrocarbon for said selective solvent and said mixture in amounts corresponding to a mutual solvent-to-sulfolane volume ratio not greater than about unity and sufficient to produce a single liquid



phase under the conditions of the process, whereby the efficiency of the extractive distillation is improved, both said solvents having boiling temperatures above the A. S. T. M. 90% boiling temperature of said organic mixture and sufficiently higher whereby separation of the solvents together from the resulting extracted portion of the mixture may be readily effected by distillation.

2,455,804

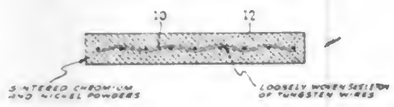
NICKEL CHROMIUM TUNGSTEN COMPOSITE METAL BODY AND METHOD OF MAKING SAME

Charles Eric Ransley, Sudbury, and Stanley Vaughan Williams, Kenton, England, assignors to The General Electric Company Limited, London, England

Application December 21, 1943, Serial No. 515,118

In Great Britain January 1, 1943

4 Claims. (Cl. 29—191.2)



1. A composite metal body resistive to chemical attack and creep and essentially comprising an undissolved coherent skeleton of tungsten completely imbedded in a sintered powder mass essentially consisting of nickel and chromium.

2. A composite metal body resistive to chemical attack and creep, and essentially comprising an alloy containing substantially 80% nickel and 20% chromium reinforced by an undissolved, coherent, completely imbedded skeleton of tungsten wires woven together.

2,455,805

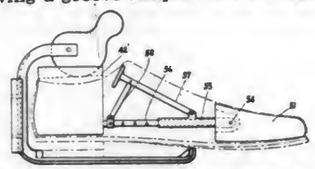
SHOE HOLDER

Stanley E. Raudebaugh, East Cleveland, Ohio

Application September 6, 1946, Serial No. 695,269

11 Claims. (Cl. 12—125)

1. A shoe holder consisting of a bracket, a cam pivotally attached to the bracket and a shoe heel-last having a groove adapted to be wedgingly associated with the said cam to detachably secure a shoe on the bracket.



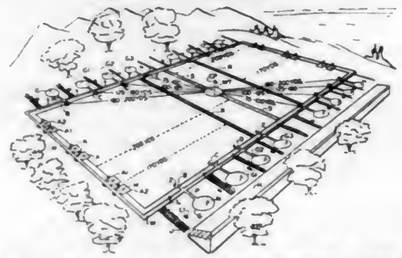
2,455,806

CONSTRUCTION OF FIELDS FOR PLAYING GOLF

Milton B. Reach, Springfield, Mass.

Application November 20, 1947, Serial No. 787,216

5 Claims. (Cl. 273—32)



1. A golf game structure comprising a playing field and on the field, a water pool construction to provide a liquid target of about the same size as and to simulate the green used as a target on an orthodox golf course, a plurality of playing stations spaced apart from each other to present clear separate paths at different angles to the liquid target and also spaced away from the target at different distances, each distance corresponding to a different iron in a set of golf clubs and to the distance for which the iron is used in good golf playing on an orthodox golf course, a full sized fairway, a set of spaced tee stations at one end of the fairway for long wood drives along the fairway, the playing stations related to the liquid target for iron shots and the tee stations at the end of the fairway for wood drives being arranged in separate groupings spaced apart along the border of the fairway, whereby players on the field may move in playing the game from the particular tees of their long drives to the plurality of playing stations along side the fairway and in the sequence of their iron shots to the target, and a plurality of spaced putting greens severally arranged adjacent the several stations, for players each to complete play on one "hole" and return to the long drive stations for the next, all the structure above pointed out being related as stated and to provide means for many golf players to play at one time according to the method described.

2,455,807

PREPARATION OF SUBSTITUTED CYANOGUANIDINE

Bryan C. Redmon and Daniel E. Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 11, 1945, Serial No. 615,694

4 Claims. (Cl. 260—551)

1. A method of preparing a 1-substituted-3-cyanoguanidine which comprises reacting a member of the group consisting of dicyanimide and a metal salt thereof with a member of the group consisting of a primary amine, a secondary amine, and a salt thereof, at a temperature of at least 50° C., said reactants being employed in the ratio of one mol of the dicyanimide reactant to one mol of the amine reactant, to produce the correspondingly substituted 3-cyanoguanidine.

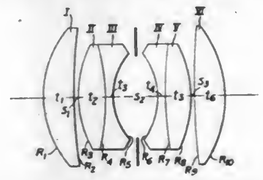
2,455,808

OBJECTIVE OF LOW INDEX GLASS WITH NEGATIVE COMPONENTS OF HIGH CURVATURE

Max Reiss, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 30, 1944, Serial No. 542,913

5 Claims. (Cl. 88—57)



1. A corrected photographic objective of the kind comprising two highly meniscus compound negatives components concave toward a diaphragm therebetween and axially aligned between two positive components whose outer surfaces are more strongly curved than their respective inner surfaces, the objective being characterized by having each of the two positive components include an element made of optical material of refractive index between 1.35 and 1.55 and by the average radius of curvature of the concave surfaces of the negative components being between one-tenth and one-fourth of the focal length of the objective, and that of their convex surfaces being less than one-third the focal length.

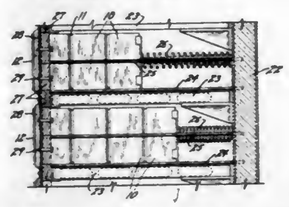
2,455,809

PACKAGE AND CABINET FOR FROZEN FOODS

Milton Rifkin, Denver, Colo., assignor, by mesne assignments, to Frez-O-Mat Corporation, a corporation of Illinois

Application March 7, 1944, Serial No. 525,461

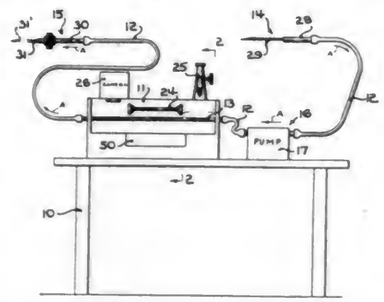
3 Claims. (Cl. 312—36)



1. Means for storing frozen foods comprising a cabinet; means for refrigerating said cabinet; track members in said cabinet for supporting rows of cartons therein, said cabinet having openings in its front one in front of each row to allow the cartons to pass therethrough; and a flexible sealing member framing each opening; and means for forcing the rows of cartons forwardly so that the foremost carton of each row will contact said sealing member to seal said cabinet, each of said

cartons being provided with a peripheral recess adjacent the front face for receiving the edges defining the opening of one of the sealing members.

2,455,810
DEVICE FOR INSPECTING BLOOD CIRCULATION
William Ryan, New York, N. Y.
Application June 8, 1945, Serial No. 598,376
2 Claims. (Cl. 128—395)



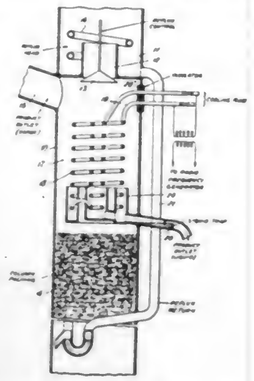
1. In an inspecting device for blood in circulation, a pipe line having a transparent section, needles on the ends of said pipe line for insertion in the blood vessels of the human body, a pump in said pipe line for circulating the blood of the body through the pipe line, said needles being characterized by an intake needle and a discharge needle, and means for eliminating the possibility of inserting the discharge needle prior to the insertion of the intake needle, said means including an element normally urging said discharge needle into an inoperative position, and solenoid means for activating said discharge needle into operative position when blood enters said intake needle.

2,455,811
HYDROAROMATIC SULFONATES AND THEIR PREPARATION
Hans Schindler, Evanston, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 23, 1944, Serial No. 560,045
9 Claims. (Cl. 260—505)

1. The method of preparing a surface active compound comprising condensing indene with benzene in which one hydrogen is substituted with a hydroaromatic radical and sulfonating the resulting product.

2,455,812
FRACTIONATION IN PRESENCE OF RADIANT ENERGY
Carleton H. Schlesman, Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 30, 1945, Serial No. 602,603
5 Claims. (Cl. 196—94)

1. A process for the separation of a continuous fluid system consisting predominantly of components undergoing a change in phase at substantially the same temperature but having different capacities to absorb radiant energy of a predetermined nature into separate phases each relatively rich in one of said components, which comprises adjusting the temperature of said fluid system to a point of incipient phase change, causing phase change in said system while subjecting the system to radiation of said predetermined



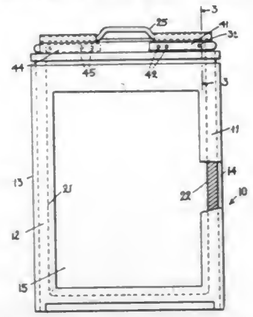
nature, whereby phase change of one component is induced while phase change of another component is suppressed, and separating phases relatively rich in different components.

2,455,813
WORKING UP OF MAGNESIA ROCK, AND PURIFICATION OF MAGNESIUM CARBONATE
Robert A. Schoenlaub, Tiffin, Ohio, assignor to Basic Refractories, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 7, 1943, Serial No. 505,363
6 Claims. (Cl. 23—67)

5. In a process of separating compounds of magnesium and calcium, calcining dolomite, making a slurry of the calcined material, supplying carbon dioxide to the slurry under such temperature conditions as to precipitate out calcium carbonate, then supplying carbon dioxide to the slurry under such temperature conditions as to produce a crystalline form of magnesium carbonate from the group consisting of nesquehonite and lansfordite, rough separating the crystalline magnesium carbonate from the calcium carbonate, then making a slurry of the crystalline magnesium carbonate and supplying carbon dioxide thereto under such temperature conditions as to invert the said form of magnesium carbonate into the other form of said group consisting of nesquehonite and lansfordite, and separating such crystalline form of magnesium carbonate from associated material.

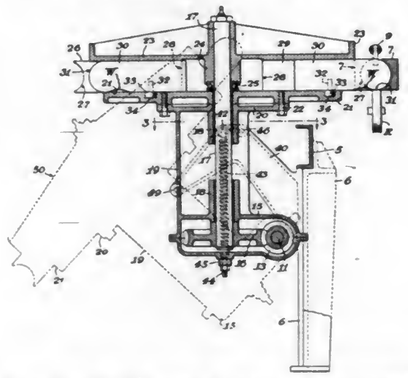
2,455,814
PLATEHOLDER FOR PHOTOGRAPHIC APPARATUS
Morris Schwartz and William Castedello, Stamford, Conn., assignors to The Kalart Company, Inc., Stamford, Conn.
Application April 28, 1945, Serial No. 590,932
1 Claim. (Cl. 95—71)

Plate holder of the type described for photographic apparatus comprising a nose fastened to the plate container of the holder near the upper edge thereof, a second nose inserted in a hole provided in the plate holder slide, and a spring supporting the second nose and biasing the same to extend through said hole from one side of the slide, said spring being fastened to the slide opposite to the side from which the second nose projects, said two noses being mounted in a relative position in which they are removed from each other when the slide is inserted in a position in which one of the slide faces faces in a predetermined direction, thereby permitting a free pas-



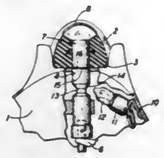
sage of the slide in the said position, and engage each other when the slide is inserted with the same slide face in the opposite direction, thereby locking the slide in such opposite face position, said spring being arranged to permit a withdrawal of the second nose through said hole and from its position engaging the other nose.

2,455,815
SOLDER SPLASH SHIELDING MEANS
Joseph W. Seigh, Teaneck, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 27, 1944, Serial No. 533,025
12 Claims. (Cl. 113—97)



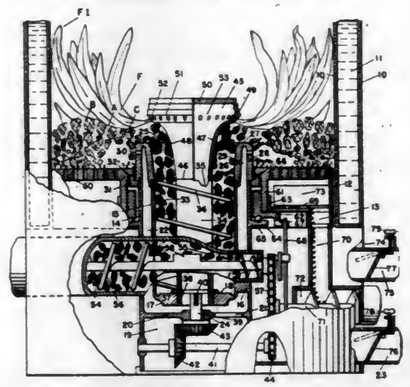
1. In apparatus of the character described, a horn along which can bodies having freshly soldered side seams are moved in equidistantly spaced relation, a wiping roll engageable with the side seams of the travelling can bodies for wiping surplus solder therefrom, a rotor driven in timed relation to the travelling can bodies with its periphery disposed adjacent said horn and having a plurality of equidistantly spaced radially disposed guides thereon, a solder spatter shield slide reciprocable in each guide, and cam means for causing each slide to be projected from the end of its guide into the space between the adjacent open ends of two travelling can bodies and travel in said space shielding the open advance end of the oncoming can body as it approaches and is passing over the wiper roll, and then be retracted again within its guide, thereby to shield the open end of each oncoming can body against the spattering of solder thereinto from the wiper roll.

2,455,816
TELEPHONE SUBSCRIBER'S SET ILLUMINATION
Oscar A. Shann, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 23, 1946, Serial No. 692,463
5 Claims. (Cl. 179—100)



1. In a subscriber telephone set, in combination, a base porton, a hand telephone set mounted on said base portion, a source of light within said base portion and a light conducting channel, said channel comprising a plurality of juxtaposed light conducting elements, extending from said light source to the exterior of said base portion, then through said handset to a prominent portion of its surface.

2,455,817
METHOD AND APPARATUS FOR BURNING CARBONACEOUS FUELS
Ralph A. Sherman, Columbus, Ohio, assignor, by mesne assignments, to The Battelle Development Corporation, Columbus, Ohio, a corporation of Delaware
Application June 30, 1944, Serial No. 543,010
9 Claims. (Cl. 110—45)



1. In combination with a furnace combustion chamber and fuel bed supporting grate, means for maintaining a comparatively thin, incandescent fuel bed on said grate, said means comprising a retort having an upper egress end of progressively increasing internal diameter extending above the grate, a feed screw rotatably mounted in said retort to feed an annular column of fuel upwardly therethrough, said screw terminating below the egress end of the retort, a head mounted on the upper end of said screw for rotation therewith and including a lower tapering section within the egress end of the retort and substantially parallel

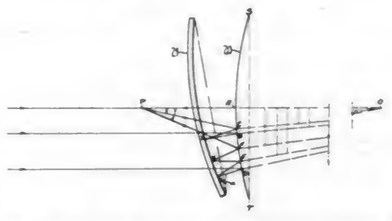
to the wall thereof, a top section spaced above the retort and an intermediate connecting section flaring outwardly and upwardly across the egress end of the retort, said top section having a series of air supply openings directed downwardly toward the fuel bed to maintain a fuel plasticizing temperature adjacent the upper end of the fuel column, said top section of the head having a diameter substantially equal to the egress opening of the retort to apply shearing forces to the plasticized fuel and said flaring section of the head directing the fuel particles radially over the fuel bed, and means for supplying additional combustion air to the fuel bed.

2,455,818

GLARE REDUCING REAR-VISION MIRROR

James Hervey Sherts, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application March 6, 1945, Serial No. 581,218
5 Claims. (Cl. 88—77)



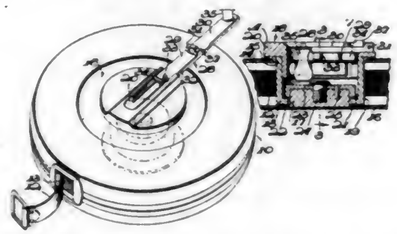
1. In a rear vision mirror structure having upper and lower edge portions, a primary back mirror having a curved convex reflecting surface, a transparent reflecting plate having the same curvature as the reflecting mirror surface, the convex surface of the mirror facing the concave surface of the plate and a frame securing the lower edge portion of the mirror and plate closely adjacent to each other and securing the upper portions of said mirror and plate in spaced relation to maintain the plate disposed angularly to the mirror.

2,455,819

WINDING REEL FOR TAPE MEASURES

Louis R. Smith, Portland, Oreg.

Application September 27, 1945, Serial No. 618,955
7 Claims. (Cl. 242—84.8)



1. A winding reel for a tape measure or the like comprising a generally cylindrical drum, a trackway formed in a base of the drum comprising a slot open to a periphery of said base, and a crank arm slidably retained in the trackway and comprising inner and outer members hinged together for folding down on each other and for alignment with each other with the outer member extending from the open end of the trackway.

2,455,820

PRODUCTION OF OIL-IN-WATER EMULSIONS

Arnold B. Steiner, La Jolla, Calif., assignor to Kelco Company, San Diego, Calif., a corporation of Delaware

No Drawing. Application May 21, 1946, Serial No. 671,419
18 Claims. (Cl. 99—144)

1. The method of making a stable, oil-in-water emulsion which comprises: intimately dispersing an oily substance in an aqueous liquid containing a glycol alginate.

2,455,821

CRADLE FOR BASS VIOLS OR OTHER STRINGED INSTRUMENTS

Willebald Conrad Stenger, Chicago, Ill.

Application April 5, 1947, Serial No. 739,621
2 Claims. (Cl. 211—13)



1. A cradle for a musical instrument of the viol class, comprising an upright support, an arm attached to and extending laterally outward from said support and having an upwardly open pin-seat spaced outwardly from said support, and a headrest on said support being spaced inward from and above said pin-seat and comprising a channeled seat having spaced side walls which in horizontal section have inner and outer opposed portions substantially at right angles to said support with opposed outwardly diverging intermediate portions with respect to a central vertical plane defined by said headrest and pin-seat, whereby such musical instrument may be supported in an inclined position with its end pin in said pin-seat and its scroll in said channeled seat.

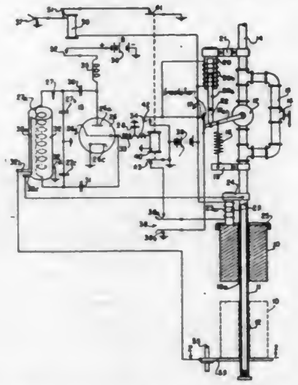
2,455,822

APPARATUS FOR HEAT-TREATING METAL PARTS

Herbert F. Storm, West Allis, Wis., assignor to Sunbeam Corporation, a corporation of Illinois

Application June 7, 1944, Serial No. 539,105
10 Claims. (Cl. 266—4)

5. Apparatus for internally heating a hollow metal piece to a quenching temperature and for then quenching the heated piece, comprising a high frequency source, a straight tubular inductor element energized from said source and telescoped through said piece, whereby a high frequency magnetic field is developed peripherally of the opening through said piece to heat the inner peripheral portion of said piece to a quenching temperature, said piece and said element being relatively movable between heating and quenching positions and the telescopic relationship between said piece and said element being maintained throughout such relative movement, said tubular element being provided with at least one quench liquid opening for playing a quench liquid upon the inner peripheral portion of said piece when said piece occupies its quenching position, means for flowing a quench liquid



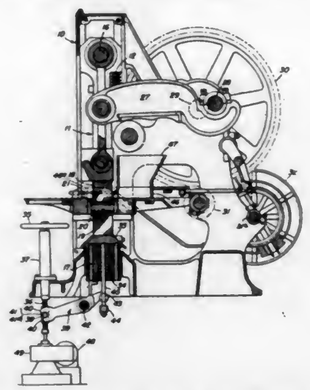
through said element, and means for effecting relative movement of said element and said piece to said quenching positions when said piece is internally heated to said quenching temperature.

2,455,823

CONTROL APPARATUS FOR MOLDING PRESSES

John A. Tauber and Harold A. Heiligman, Norristown, Pa., assignors to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware

Application March 3, 1948, Serial No. 12,812
12 Claims. (Cl. 25—45)



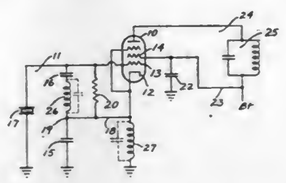
1. The combination with a cyclically operating power-driven brick-press having a stationary main frame, a brick mold stationary with said frame, a vertical sub-frame vertically movable upon and with respect to the stationary main frame in a manner controlled by a brick-forming cycle which sub-frame is adapted to absorb directly the brick-forming peak pressure, a top plunger and a bottom plunger for the mold and carried by said sub-frame, mechanisms for actuating the plungers with respect to each other and with respect to the mold to effect a brick-forming and -ejecting cycle, controllable adjusting means having a rotatable adjusting element for upwardly or downwardly adjusting the initial position of the bottom plunger determining the effective mold volume receiving the brick-forming mixture, and a reversible motor for driving said rotatable adjusting element; of a control system for automatically effecting an upward adjustment of the bottom plunger responsive to an increase in the apparent density of the brick-forming mixture and for effecting a downward adjustment of the bottom plunger responsive to a decrease in the apparent density of the mixture which system comprises a pair of responsive strain gauges mounted upon the peak pressure-absorbing portion of the sub-frame, a pair of non-responsive strain gauges subjected to substantially the same temperature conditions as the responsive strain gauges, a four-branch potential-balancing circuit with adjustable constant voltage supply to furnish input potential for the circuit, both said pairs of strain gauges constituting respective pairs of branch resistances of the circuit, the pair of responsive strain gauges being adapted to alter the bridge output potential when subjected to strain while temperature influences upon the strain gauges cancel out because of the balance condition between the responsive and the non-responsive strain gauges within the circuit, an auxiliary electronic circuit variable in response to variations of the bridge output potential, means for impressing said bridge output potential upon said electronic circuit, motor relay means controlled by said electronic circuit and adapted to close a motor-operating circuit to run the motor in one direction responsive to a drop of the bridge potential below a given intermediate value and to run the motor in the opposite direction responsive to a rise of the bridge output potential above a given intermediate value, and means for limiting the adjustment of the plunger within a press cycle.

2,455,824

HARMONIC GENERATOR

Joseph C. Tellier and Harry H. Wilson, Jr., Philadelphia, Pa., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application November 30, 1944, Serial No. 565,914
12 Claims. (Cl. 250—36)



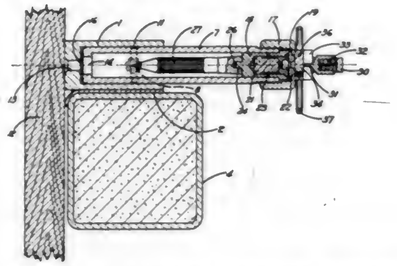
1. In a harmonic-frequency wave generator, a fundamental-frequency oscillator comprising a vacuum tube having a cathode, a grid, and an electrode functioning as an anode, said oscillator also including a fundamental-frequency-determining network a portion thereof being comprised of a tuned network which is parallel-resonant to a desired harmonic frequency, a path external of said tube interconnecting said grid and cathode, said path comprising a portion of said fundamental-frequency-determining network and including said tuned network which is parallel-resonant to the desired harmonic frequency, said path, exclusive of said tuned network, being of low impedance to the desired harmonic frequency, means coupling said oscillator anode and said fundamental-frequency-

determining network, and an output circuit electron-coupled to said oscillator through the space-path of said tube, said output circuit being tuned to said desired harmonic frequency.

2,455,825
EXPLOSIVELY ACTUATED FASTENING APPARATUS

Robert Temple, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del., a corporation of Delaware

Application August 15, 1944, Serial No. 549,545
8 Claims. (Cl. 1—47)

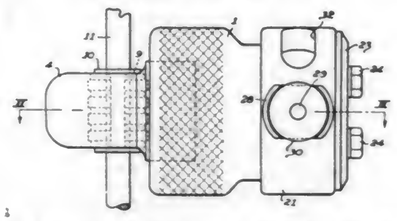


1. Explosively actuated fastening apparatus comprising a bracket adapted to be attached to a supporting member, said bracket being provided with a rearwardly opening socket having a front end wall provided with a central opening therein, a barrel mounted in said socket and having an opening in its front end registering with said bracket opening, and releasable means holding the barrel in the socket, the barrel being adapted to support a piercing stud in line with said openings, said barrel being adapted to receive an explosive charge behind the stud for driving it forward into said openings and supporting member, whereby the stud will project forward from the bracket to hold it against said supporting member.

2,455,826
EXPLOSIVELY ACTUATED TOOL

Robert Temple, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del., a corporation of Delaware

Application October 5, 1946, Serial No. 701,577
8 Claims. (Cl. 140—113)

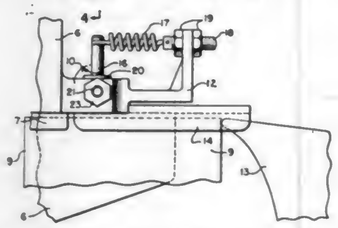


1. A tool comprising a body provided with a bore extending inwardly from one end, a piston slidably mounted in said bore, said body also being provided with a passage communicating with the inner end of the bore and extending radially thereof to the periphery of the body, said passage being adapted to receive an explosive cartridge having a rim at its outer end, an ejector extending slidably across the body and having one end adapted to engage the inner surface of the cartridge rim, the opposite end of the ejector being located adjacent the opposite side of the body, a ring encircling the body and rotatably mounted thereon, and a firing pin extended radially through the ring and normally located in line with said passage, said ring being provided with a radial opening and with a cam surface opposite said opening for pushing said opposite end of the ejector transversely of said body when the ring is rotated, whereby to eject a cartridge shell from said passage so that it can pass out through said ring opening.

2,455,827
CENTERING DEVICE

Oswald I. Thanem, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application February 27, 1946, Serial No. 650,686
6 Claims. (Cl. 153—32)

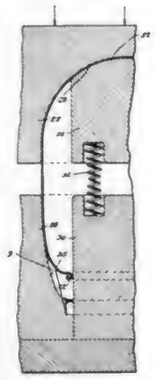


2. A device for guiding flattened can bodies and the like along a track to a floating forming mandrel comprising a support, vertically aligned pivots on the support, a journal bearing held by the pivots, a rock shaft passing through the bearing, a shoe attached by one end to the shaft, said shoe having a guiding channel opposite one side of said track and tension means from the free end of the shaft to the support urging the latter into engagement with the mandrel.

2,455,828
METHOD FOR PRODUCTION OF WASHING MACHINE TUBS

Michael Theil and Benjamin A. Woina, Salem, Ohio, assignors to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York

Application February 3, 1944, Serial No. 520,908
4 Claims. (Cl. 113—120)

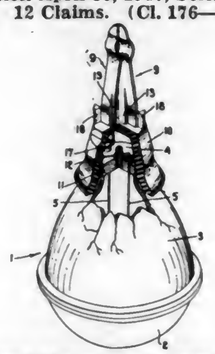


1. The method of making a container such as a washing machine tub, which comprises, necking in the margins of the side walls adjacent the opening in a relatively short radius curve wherein the opening is concentric with the side walls, forming the margins of the opening into a reinforcing roll-back curved head, inserting the open end of the tub so reinforced and necked-in into a die having a recess provided with the materially longer and less sharp curves desired and a centering member having substantially the diameter of the reinforced opening, and forcing the top portions of the tub into the die recess without internal support except at the reinforced edge by pressure distributed on the bottom and the side walls adjacent the bottom whereby the sidewalls adjacent the opening assume the curve of the recess without crinkling, buckling or cracking.

2,455,829
ELECTRIC LAMP

Ralph B. Thomas, Beverly, and Mazeppa Don Betts, Rockport, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application April 30, 1947, Serial No. 744,918
12 Claims. (Cl. 176—32)

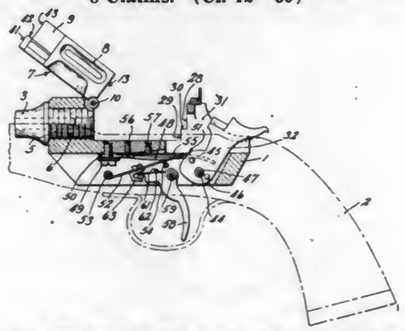


1. An electric lamp comprising a sealed bulbous envelope having a neck portion; metal prongs, one end of which engage the neck portion of said envelope; lead wires extending from said envelope and connected to said prongs; and a hollow cap of insulating material mounted on the neck portion of the envelope, said cap being provided with slots in its base through which the metal prongs extend.

2,455,830
FLEXIBLE SEAR MECHANISM FOR FIREARMS

Albert H. Tompkins, Springfield, Mass.

Application February 13, 1946, Serial No. 647,318
8 Claims. (Cl. 42—69)

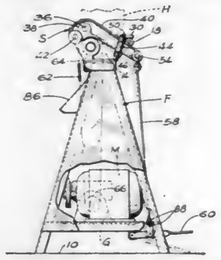


1. In a firearm, a firing member provided with a sear engaging abutment, a spring actuating said firing member, a flexible sear pivoted at one end, its second end engaging said abutment to hold said member against actuation by said spring, a second abutment positioned intermediate the ends of the sear and engaging that side of the sear which faces the firing member, a trigger and trigger operated means for flexing the sear between its pivot and said second abutment in a direction to flex its second end out of engagement with the abutment on the firing member.

2,455,831
SKINNING MACHINE

Ray T. Townsend, Des Moines, Iowa, assignor to Townsend Engineering Company, Des Moines, Iowa, a corporation of Iowa

Application November 8, 1944, Serial No. 562,460
19 Claims. (Cl. 146—130)

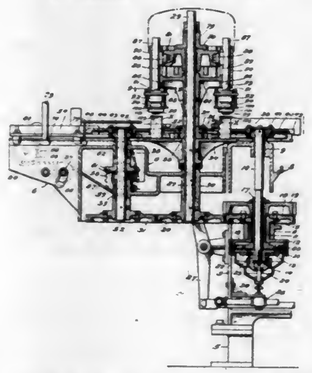


1. In a skinning machine, a frame, a serrated roller journaled thereon, a curved pressure shoe partially surrounding said roller and having a reduced leading edge for parting the skin from an object, a feed table for the object to feed the skin to the space between the serrations of said roller and said pressure shoe, said roller having peripheral grooves between the serrations thereof, and stripping means received in said grooves and partially surrounding said roller to strip the skin from the serrations thereof.

2,455,832
APPARATUS FOR STRAIGHTENING CANS AND THE FLANGES THEREOF

Alfred Treff, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application June 6, 1945, Serial No. 597,751
3 Claims. (Cl. 153—48)



1. In apparatus of the character described, means for feeding open top cans in equidistantly

spaced relation over a definite path of travel, a carrier movable over the path of travel of the cans, a plurality of straightening dies supported on said carrier and each including a die plug conforming in shape to the open top of a can throughout the whole perimeter thereof and snugly and deeply slidable into such can tops, and means for vertically reciprocating the die plugs through a predetermined definite stroke bearing fixed relation to the open tops of the fed cans and in timed relation to the travelling cans for moving a die plug into and then out of the open top of each can passing beneath the carrier, thereby to reshape any misshapen cans throughout the whole perimeter of the open top thereof, each said die plug having a spring depressed stripper ring thereon engageable with the top of a can and effective for stripping from said plug any can tending to move upwardly therewith as the die plug is withdrawn upwardly from the open top of said can, and also an abutment means limiting free downward sliding movement of the die plug through the stripper ring and so placed with relation to the open tops of fed cans as to make the bottom of the ring effective to engage and straighten misshapen can flanges on cans in which the die plug slidably engages in straightening contact.

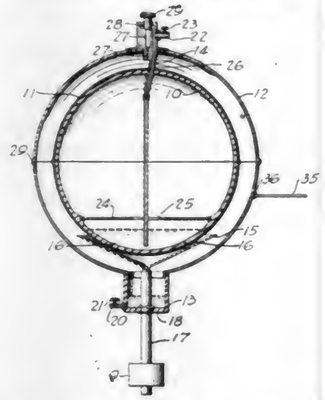
2,455,833
CLAMPING AND KNOT TYING INSTRUMENT
Louis Trombetta, Bronx, N. Y.
Application September 9, 1946, Serial No. 695,616
14 Claims. (Cl. 128—326)



1. A clamping and knot carrying ejecting and tightening instrument, comprised of a clamping element, knot carrying means, knot ejecting means and knot drawing means, the means all being carried and supported by the element and being removable therefrom and assemblable thereto as a unit and being capable of being equipped with a cord to tie a suture prior to assembling onto the clamping means and the carrying and ejecting means being relatively movable to eject and position the knot and the drawing means having retaining pieces capable of gripping the end portions of the knot and being slidably positioned on the instrument to move away from the deposited knot and draw it tightly.

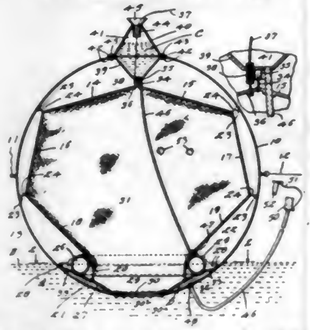
2,455,834
INFLATABLE SOLAR STILL
Alexis E. Ushakoff, Newton, Mass., assignor, by direct and mesne assignments, of thirty-five per cent to Stanley A. Baron, New Orleans, La., for the benefit of himself and Frederick A. Middleton
Application August 27, 1945, Serial No. 612,879
4 Claims. (Cl. 202—234)

1. Solar still comprising inner and outer spaced spherical members defining between them a chamber, said inner member being externally clothed with a radiant-heat and water absorbing material, said outer member being adapted to float in water with its lower portion submerged, at least said lower portion being a condenser and at least upper portion being a transmitter of radiant-heat, the lower portion being provided with a distilled water collecting chamber, a tube extending through the upper wall of said outer and inner members having its lower end opening into said inner member and its upper end opening into said outer member above said inner member, a valved inlet to said tube external to said members for charging raw water into said inner member and fluid pressure for discharging the raw water from its



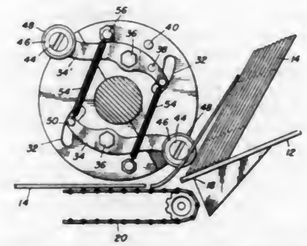
upper end upon the radiant-heat and water absorbing material clothing said inner member, a funnel within said outer member beneath said inner member for receiving overflow of raw water from the radiant-heat and water absorbing material, said funnel having a tubular outlet extending through and at some length below the lower part of said outer member, said outer member having a valved passage through the wall thereof for admitting sufficient fluid pressure to the chamber between said members to keep the column of water in said funnel outlet dispersed below the outside water level.

2,455,835
INFLATABLE SOLAR STILL
Alexis E. Ushakoff, Beverly, Mass., assignor of thirty-five per cent to Stanley A. Baron, New Orleans, La., for the benefit of himself, Frederick A. Middleton and John J. Finnorn
Application February 4, 1946, Serial No. 645,409
2 Claims. (Cl. 202—234)



1. A solar still comprising an outer transparent non-absorbent shell, said shell formed with an opening in the lower end thereof, a bag within said shell, means supporting said bag in spaced relation to the inner walls of said shell, said bag formed with an opening at the lower end thereof in registry with the opening of said shell, an annular ballast tube within said still surrounding said openings between the shell and bag, a salt water reservoir carried by said still between said shell and bag at the upper end thereof, a flexible connecting tube extending from said reservoir to said ballast tube for filling said ballast tube from said reservoir, means for feeding salt water from said reservoir on to said bag, a perforated condensate receptacle carried by said shell about said opening therein, and a flexible tube extending from said receptacle for drawing the condensate from said still and for admitting air into said shell and bag.

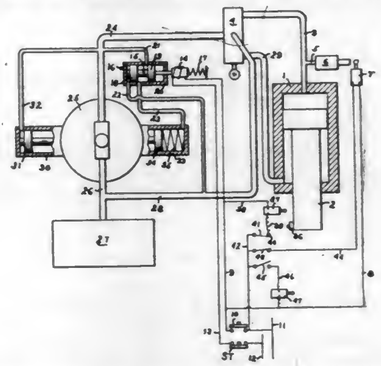
2,455,836
BOX BLANK SEPARATOR
Marinus Van Brummelen, New York, N. Y.
Application July 11, 1947, Serial No. 760,477
6 Claims. (Cl. 271—1)



1. A device for consecutively separating individual blanks having windows from a plurality of such blanks stacked on a rack, comprising a disk rotatively mounted adjacent the leading edge of a rack, a rocker arm pivoted on the side of said disk, and means to bias said arm into a position with one end thereof extending radially beyond the periphery of said disk, said one end having a journal, and a roller freely rotatively mounted on said journal, said roller being dimensionally adapted for partial entrance into, and frictional engagement with the edge of, a window in the outermost of a stack of blanks, the roller having rolling friction only with the succeeding underlying blank after said outermost blank has been shifted by the roller.

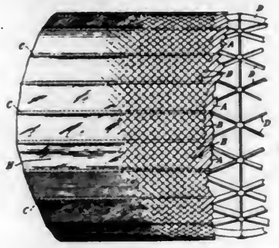
2,455,837
PUMP CONTROL MEANS FOR HYDRAULIC SYSTEMS
George A. Waldie, Edison, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application November 27, 1942, Serial No. 467,273
2 Claims. (Cl. 60—52)

1. In a hydraulic system, a source of fluid under pressure, control means movable to vary the delivery of said source from zero to maximum, first means connected to respond to pressure from said source to urge said control means toward zero delivery position, second means adapted to be connected to respond to pressure from said source to urge said control means to maximum delivery position against the action of said first means, said first and second means normally exerting equal opposed forces, continuously acting resilient means assisting the action of said second means, a valve movable into a first position to connect said second means to said source and into a second position to exhaust, a reciprocable ram connected to be actuated by fluid from said source, ram actuated means operable at the



ends of the stroke thereof to move said valve into its second position, and manual means selectively operable to counteract said ram actuated means to return said valve to its first position.

2,455,838
AIR FRAME STRUCTURE
Barnes Neville Wallis, Weybridge, England, assignor to Vickers-Armstrongs Limited, Westminster, London, England
Application June 15, 1945, Serial No. 599,668
In Great Britain June 19, 1944
8 Claims. (Cl. 244—117)

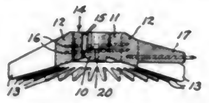


6. In an airframe construction, which includes a skeletal framework or substructure, in combination, a flexible outer skin applied to said substructure, said skin comprising two or more systems of thin metal ribbons interlaced after the fashion of the components of a woven fabric, but relatively movable with respect to each other to accommodate any differential tautening of the ribbons of the respective systems, the component ribbons being disposed closely together to form a substantially continuous surface, and means forming a permanent part of the construction for applying and maintaining tension in said skin in both of two directions in the plane thereof.

2,455,839
FINNED ELECTRIC AIR HEATER
Ernest R. Walton, Seattle, Wash.
Application January 18, 1946, Serial No. 641,919
5 Claims. (Cl. 219—38)

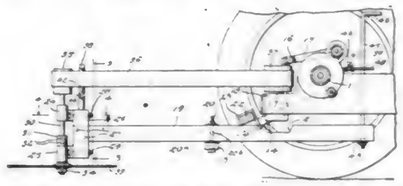
1. A one piece cast metal electric heating unit of relatively flat circular concavo-convex shape,

comprising a centrally positioned element carrying portion; an electric heating element embedded in said element carrying portion; and thin flat spaced apart heat radiating fins extending outwardly from said element carrying portion in planes substantially parallel to the



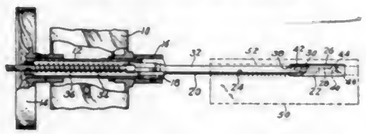
axis of said unit and in directions conforming to the concavo-convex shape of said unit, whereby an umbrella shaped finned structure is provided so that air directed against the concave side of said unit will be converged toward the axis thereof.

2,455,840
TREE-FELLING SAW ATTACHMENT FOR TRACTORS
James Stewart Webb, Demopolis, Ala.
Application November 3, 1944, Serial No. 561,710
1 Claim. (Cl. 143—43)



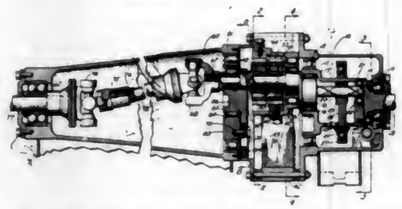
A saw attachment for a tractor having a drawbar and vertically swingable supporting arms for the drawbar, said attachment comprising an elongated beam engaging over said drawbar, a vertical pivot securing said beam to said drawbar between the ends of said beam, a transverse bar fixed between said arms and engaging over said beam forwardly of said pivot to hold the rear extended end of said beam against vertical rocking relative to said drawbar while permitting horizontal swinging of said beam, a vertical saw-carrying shaft at the rear of said beam, a bearing for said shaft carried by the rear of said beam, and an operative connection between said shaft and the tractor power take-off.

2,455,841
HONING SPINDLE
Arthur F. Wedge, Hartford, and Homer T. Bidwell, Manchester, Conn., assignors to Colt's Manufacturing Company, a corporation of Connecticut
Application December 4, 1943, Serial No. 512,928
8 Claims. (Cl. 51—184.3)



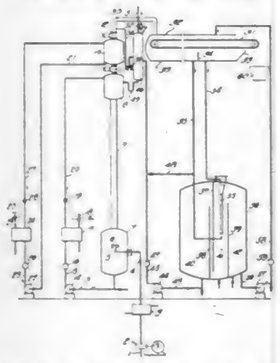
1. In combination with a substantially cylindrical honing spindle longitudinally splined and provided in said spline with a honing member adjustably projecting radially therefrom, a longitudinally slotted sleeve telescopically engaging said spindle and providing a work engaging surface opposed to said honing member, said slot in said sleeve being aligned with said spline whereby said honing member also projects through said slot, and disconnectible interengaging locking means respectively carried by said spindle and sleeve to prevent appreciable relative movement therebetween in a longitudinal direction.

2,455,842
POWER TRANSMISSION MECHANISM
Daniel M. Weigel, Detroit, Mich.
Application March 30, 1945, Serial No. 585,589
7 Claims. (Cl. 74—121)



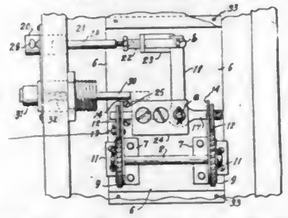
1. A power transmission comprising a housing, a drive shaft journalled therein, an enlarged inner end on said shaft having an eccentric recess therein, a drive pin hub journalled in said recess, a drive pin thereon in eccentric relation therewith, a clutch shaft journalled on said pin, a pinion journalled on the clutch shaft, a slide frame circumambient said pinion and mounted for reciprocative movement within the housing, a gear rack in said frame engaged with said pinion, overrunning clutch pawls intermediate said pinion and said clutch shaft, a plate having an eccentric hole therethrough mounted for rotative movement in said housing, an eccentric cam journalled in said hole, a balance weight mounted on said cam, an eccentric bearing in said cam for the support of the clutch shaft, a driven shaft and articulate linkage intermediate the clutch shaft and the driven shaft.

2,455,843
METHOD AND APPARATUS FOR PRODUCTION OF GEL BODIES
Horace M. Weir, Wynnewood, Pa., assignor to The Davison Chemical Corporation, Baltimore, Md.
Application March 10, 1944, Serial No. 525,938
3 Claims. (Cl. 252—317)



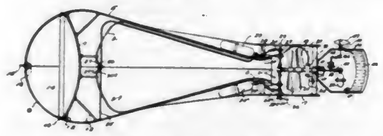
1. A method of gelling silica and other oxide hydrosols comprising forming small bodies of the hydrosol in a substantially immiscible liquid at a temperature above the atmospheric boiling point of the hydrosol, moving the bodies through the immiscible liquid, circulating the immiscible liquid in a direction countercurrent to the direction of movement of the bodies, correlating depth and the rate of circulation of the immiscible liquid to maintain the hydrogel in the liquid until the desired gellation has been effected, subsequently and without substantial reduction of pressure passing the gelled bodies into a zone of cooler immiscible liquid, moving the gelled bodies through the cooler liquid whereby said gel bodies are cooled to a temperature below the atmospheric boiling point of the liquid phase of said gelled bodies, circulating the cooled liquid countercurrent to the movement of the bodies, reducing the maintained pressure to substantially atmospheric pressure, and removing the gelled bodies from the liquid.

2,455,844
CLOSURE LOCK
Thomas J. Welborn, Lubbock, Tex.
Application May 10, 1946, Serial No. 668,881
6 Claims. (Cl. 292—22)



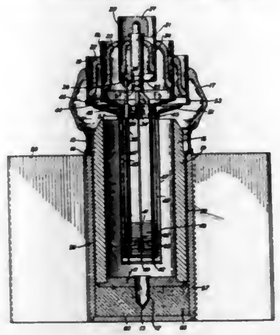
1. A sash lock for windows including pinions disposed in the frame of said window with gravity operated dogs to constrain the same to rotate only in one direction, a rack secured to said sash to move therewith and held in operative engagement with said pinions, a weighted arm of substantially inverted T-shape pivotally disposed for operation exteriorly of said frame to render said dogs inoperative to effect free and unrestricted movement of said sash.

2,455,845
ROCKET
Edward P. Wells, Jacksonville, Fla.
Application May 22, 1944, Serial No. 536,783
4 Claims. (Cl. 102—49)



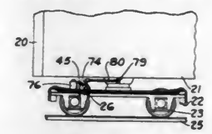
1. In a jet-propelled rocket, a hollow elongated body including a rearwardly tapering major intermediate portion defining a combustion chamber and a rear gas discharge neck of venturi-tube formation merging and co-axial with said intermediate portion, flasks of different highly compressed liquid fuels secured on the outside of said body adjacent said discharge neck, discharge nozzles mounted centrally of the forward end of said combustion chamber, means including pumps and admission valves therefor mounted directly at the rear of said body for intermittently supplying fuel from said flasks to said nozzles, electrical means for igniting the fuels issuing from sad nozzles, an electric generator mounted at the rear of said body for supplying current to said igniting means, a turbine arranged to be driven by gasses issuing from said discharge neck, and driving connections between said turbine and the pumps, the admission valves and the generator.

2,455,846
COAXIAL LEADIN FOR ELECTRON DISCHARGE DEVICES
John W. West, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 18, 1946, Serial No. 704,075
13 Claims. (Cl. 250—27.5)



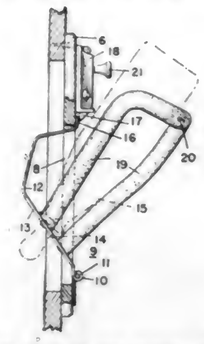
1. An electron discharge device comprising a vessel enclosing a plurality of electrodes, concentric tubular conductors insulatingly sealed to said vessel, said electrodes being connected to said conductors, and yieldable means extending across one of said conductors to relieve temperature strains in the sealed insulating joint adjacent the junction with said one conductor.

2,455,847
LUBRICATING SYSTEM FOR VEHICLES
Howard Winther, Harrington Park, N. J., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York
Application July 11, 1947, Serial No. 760,188
6 Claims. (Cl. 184—3)



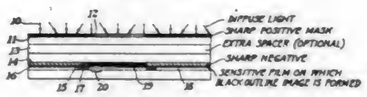
2. In a system for lubricating the wheel flanges of a vehicle having wheels mounted in a frame supporting the vehicle body, devices adapted to discharge oil against the wheel flanges, a pump mounted upon the frame having an inlet, a plurality of outlets in communication with the devices, a cylinder, a piston within the cylinder, a shaft adapted to reciprocate the piston, operating mechanism for the shaft actuated by the relative movements of two points on the frame, distributing means within the pump to supply oil to the devices successively through each of the outlets in timed relation with the reciprocation of the piston, and mechanism connecting a point on the frame and a point on the vehicle body with the pump to adjust the reciprocatory stroke of the piston in proportion to the relative movement between vehicle body and frame.

2,455,848
CALF FEEDER
Carroll I. Young, Westminster, Md.
Application August 9, 1946, Serial No. 689,612
3 Claims. (Cl. 119—71)



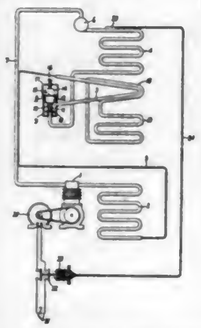
1. A device of the character described comprising a wall-like base having a doorway therein, a closure member hingedly connected at its lower end to the base and having a portion adapted to project through the doorway, said projecting portion constituting an inclined shelf having a bottle neck-receiving aperture, a bottle cage secured to the projecting portion of the closure member, and means for latching the upper end of the closure member to the base for confining the bottle within the cage.

2,455,849
PHOTOGRAPHIC UNSHARP MASKING METHOD
John. A. C. Yule, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 11, 1944, Serial No. 526,040
9 Claims. (Cl. 95—5)



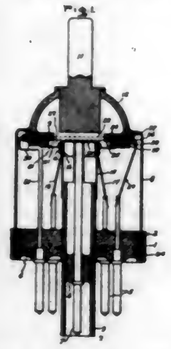
1. The method of producing from a continuous-tone picture having a maximum, a minimum and a plurality of intermediate tones, a two-tone reproduction with outline effects in which outline effects over at least a major portion of the picture-tone range all tones are reproduced as one tone, i. e. with effectively equal density and zero contrast, and only sudden changes in tone over the picture area are reproduced as lines of the other of the two tones and in which over the remaining portion, if any, of the picture-tone range all tones are reproduced as the other tone and sudden changes in tone are reproduced as lines of said one tone and which two-tone reproduction includes in addition to said outline effect a halftone reproduction of intermediate tones which method comprises masking a continuous tone transparency in an unsharp manner using a continuous tone mask which is negative with respect to the transparency and which has a contrast approximately equal to that of the transparency, placing and exposing a sensitive material in printing relation with the transparency, the superimposed images of the transparency and mask being respectively sharp and unsharp at the sensitive material during said exposing removing the mask, placing a halftone screen in screen relation with the transparency and the material, exposing the material to the screened transparency and processing the material to a combination halftone and line record.

2,455,850
TWO-TEMPERATURE REFRIGERATING SYSTEM
Leonard W. Atchison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 5, 1947, Serial No. 745,939
3 Claims. (Cl. 62—115)



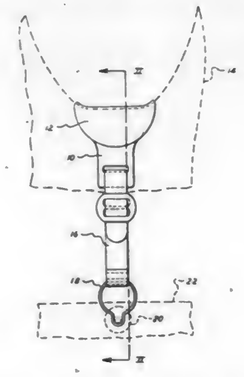
1. Refrigerating apparatus comprising a primary refrigerating system including two evaporators, means for supplying refrigerant to said evaporators in series, a valve connected in said system between said evaporators for maintaining a constant pressure in one of said evaporators, and a secondary refrigerating system including a secondary condenser and a secondary evaporator, said secondary condenser being arranged in heat exchange relationship with said one of said first-mentioned evaporators.

2,455,851
IMPROVED ELECTRODE AND ENVELOPE STRUCTURE FOR ELECTRIC DISCHARGE DEVICES
James E. Beggs, Schenectady, N. Y., ass'gnor to General Electric Company, a corporation of New York
Application March 1, 1946, Serial No. 651,234
13 Claims. (Cl. 250—27.5)



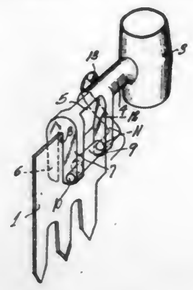
1. An electric discharge device including an envelope, an anode having a planar active surface supported within said envelope, a cathode structure extending transversely of said envelope and having a planar annular emitting surface surrounding a centrally located aperture, a planar control grid positioned between said cathode structure and the active portion of said anode, a cylindrical conductor sealed through said envelope and joined to said cathode around said aperture, and a support and lead-in conductor for said grid extending through the aperture in said cathode structure.

2,455,852
UNDERWEAR SUPPORTED SUSPENDER
Josephine H. Campbell, Jackson, Mich.
Application July 21, 1944, Serial No. 545,935
2 Claims. (Cl. 2—323)



1. A concealed suspender for trousers having suspender buttons at the sides on the inside of the waistband thereof, said suspender being adapted to be worn on the outside of a sleeveless undershirt to be supported from the reinforcing edge of an arm hole thereof and being concealed beneath an outer shirt and comprising, a hook having an inwardly disposed downwardly projecting bill engageable over the reinforcing edge of an arm hole of the sleeveless undershirt with the bill of the hook disposed inwardly, said hook having the lower portion of the body thereof offset to be substantially in the plane with portions of the bill of the hook and having a flared throat for engagement over a considerable portion of the arm hole of the undershirt, a button engaging loop portion engageable over a button of the trousers with a portion of the outer shirt interposed over the button, and a flexible strap supporting said button loop portion from the hook portion and having an adjustable end on the inner side whereby said adjustable end is presented to lie against the outer side of the undershirt, thereby leaving the button loop portion entirely free and open on its outer side for engagement over a trousers button, the offset formation of the hook and the connection of the loop portion being such that the bill of the hook and the loop are presented to be disposed in substantially the same line of tension when the suspender is in use and the hook portion will be disposed adjacent to the body of the wearer without projection inwardly beyond the plane of the supporting strap and the adjusting end of the supporting strap will be presented inwardly against the undershirt to thus avoid contact of this end with the outer shirt.

2,455,853
SAW BLADE AND HANDLE
Oscar Carlson, Spokane, Wash.
Application February 1, 1946, Serial No. 644,943
1 Claim. (Cl. 145—110)



A saw blade, and a handle for said saw blade comprising a handle engaging member, a shank projecting from said handle engaging member and having its outer end portion formed with a longitudinally extending groove, said groove extending from the outer end of said shank inwardly for a portion of its length, a pair of parallel spaced depending legs at each end of the grooved outer end portion of the shank, the legs of each pair being disposed at opposite sides of the groove, said saw blade being disposed between the legs of each pair of legs and having an edge portion fitting snugly in the groove, a cam between the legs at one side of the grove, said cam having eccentric coaxial shafts extending from its ends, said shafts being rotatably mounted in the legs at the said one side of the groove, the cam being of a diameter adapting it when rotated to engage the confronting side face of the saw blade and urge said blade against the legs at the other side of the groove, the inner one of said shafts extending through and projecting rearwardly from the leg in which it is mounted and its projecting end portion being formed with a laterally extending lever arm for turning the cam into and out of engagement with the confronting side face of the saw blade, and said lever being of a length adapting it to extend across the shank and having its free end portion curved longitudinally and disposed in close fitting engagement with a side portion of the shank rearwardly of the inner pair of legs when said lever is moved to a position disposing the cam in engagement with the saw blade.

2,455,854
STRIPPABLE COATING COMPOSITION COMPRISING A POLYCHLOROPRENE AND ALUMINUM POWDER
George E. Condé, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 25, 1944, Serial No. 565,191
10 Claims. (Cl. 260—41.5)

1. A corrosion-resistant, sprayable, strippable coating composition comprising, by weight, 100 parts of an uncured chloroprene polymer obtained by polymerizing chloroprene in the presence of an amount of elementary sulfur up to 2% by weight of the chloroprene, a curing accelerator for the said chloroprene, 15–50 parts of finely divided aluminum powder, and a liquid volatile vehicle containing a solvent for the chloroprene.

2,455,855

STRIPPABLE COATING COMPOSITION COMPRISING A POLYCHLOROPRENE AND A STRIPPING AGENT

Clyde G. Murphy, Metuchen, and John P. Sermattei, Matawan, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 25, 1944, Serial No. 565,193
10 Claims. (Cl. 260—23)

1. A corrosion-resistant, sprayable, strippable coating composition comprising, by weight, 100 parts of an uncured chloroprene polymer obtained by polymerizing chloroprene in the presence of an amount of elementary sulfur up to 2% by weight of the chloroprene, a curing accelerator for the said chloroprene, and about 0.05–5.0 parts of a stripping agent selected from the group consisting of soya lecithin, a lead soap of petroleum oil acids, and a stearyl alcohol ester of a styrene-maleic anhydride reaction product.

2,455,856

STRIPPABLE COATING COMPOSITION COMPRISING A POLYCHLOROPRENE AND CARBON BLACK

Clyde G. Murphy, Metuchen, and John P. Sermattei, Matawan, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 25, 1944, Serial No. 565,194
6 Claims. (Cl. 260—41.5)

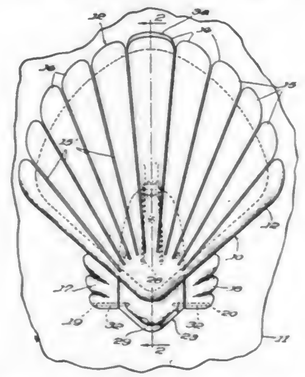
1. A corrosion-resistant, sprayable, strippable coating composition comprising, by weight, 100 parts of an uncured chloroprene polymer obtained by polymerizing chloroprene in the presence of an amount of elementary sulfur up to 2% by weight of the chloroprene, a curing accelerator for the said chloroprene, and about 150–250 parts of carbon black.

2,455,857

HOLDER

James E. Donaldson, Columbus, Ohio

Application November 13, 1945, Serial No. 627,977
12 Claims. (Cl. 211—89)



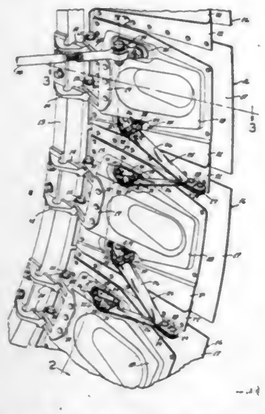
8. A supporting device adapted to be positioned in a horizontal use and a vertical non-use position, comprising a fan shaped member having an inner concave surface and an outer convex surface, a plurality of arcuate finger portions formed in said fan shaped member, a lip portion on one of said finger portions extending outwardly of said convex surface, a plurality of spaced members connected to the bottom portion of said fan shaped member, a boss on said inner concave surface of said fan shaped member, a bracket adapted to be enclosed within said concave surface of said fan shaped member with the lower portion of said bracket positioned between said spaced members, fastening means for connecting said bracket to a wall, a protruding member upon the top portion of said bracket positioned to frictionally engage said boss and thereby retain said fan shaped member in the non-use position, and means hingedly joining said bracket and said fan shaped member.

2,455,858

COWL FLAP OPERATING MECHANISM

Lloyd F. Engelhardt, Ferguson, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application June 25, 1945, Serial No. 601,526
7 Claims. (Cl. 268—96)



1. In a cowl flap installation having a pair of flaps with their hinge axes angularly related but in a substantially common plane, a primary operating means for moving at least one of the flaps about its hinge axis, and means for effecting substantially equiangular movement of the flaps about their hinge axes comprising a leaf spring affixed at one end to each flap, the opposite ends of the leaf springs being connected, each leaf spring being arranged with its major cross-sectional dimension substantially in the direction of movement of the springs about said axes, the direction of extent of each leaf spring, from the end thereof affixed to the flap to the opposite end thereof connected to the other leaf spring, being generally away from the hinge axis of the related flap, and the springs being arranged to resist by their resilience hinging movement of the flaps from a partially open position.

2,455,859

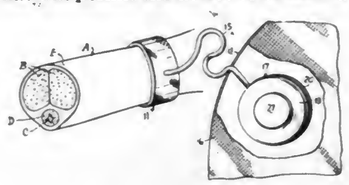
ARTIFICIAL SPHINCTER AND METHOD

Frederic E. B. Foley, St. Paul, Minn.

Application May 13, 1946, Serial No. 669,218
6 Claims. (Cl. 128—346)

1. A method for controlling involuntary escape of urine which comprises permanently isolating a segment of the urethra by forming a cutaneous tunnel between it and normally attached adjacent tissue, and applying a clamping element to such segment to constrict the same adjacent the tunnel and prevent the flow of urine through the segment.

5. An artificial sphincter for controlling the involuntary escape of urine comprising a hollow urethra encircling member that is radially inwardly expansible under fluid pressure to clamp the urethra closed, a fluid pressure device connected to the member by an elongated flexible tube that will permit the device to be moved about



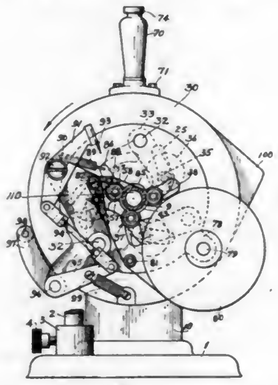
with respect to said member, and which will permit the device to be operated at a point substantially remote from the urethra encircling member, said fluid pressure device having a fluid chamber that is in constant communication with the interior of the urethra encircling member through said flexible tube, and manually operative means for effectively increasing and decreasing the size of said chamber to thereby control the flow of fluid to and from the urethra encircling member.

2,455,860

TUBE CAPPING MACHINE

Willard E. Gerbing, Chicago, Ill., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York

Application November 22, 1943, Serial No. 511,271
8 Claims. (Cl. 93—56)



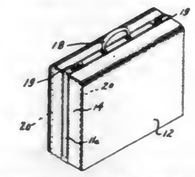
1. In a machine for securing an oversize disc to the end of a conduit, means for holding a disc in position against the end of a conduit, a rotatable member, a plurality of rollers carried by said member and shaped complementally to the conduit end and disc, a tape holder also carried by said member to supply tape to be pressed into position around the conduit end and disc by said rollers, a cam member arranged to urge said rollers inwardly against the conduit and disc and also actuate said rotatable member, said cam member having a series of inwardly extending cam tracks, and riders for said tracks associated with said rollers.

2,455,861

REINFORCED LUGGAGE

Morris Gerson, Newark, N. J., assignor to Henry L. Kotkins, Seattle, Wash.

Application April 10, 1947, Serial No. 740,566
1 Claim. (Cl. 190—50)



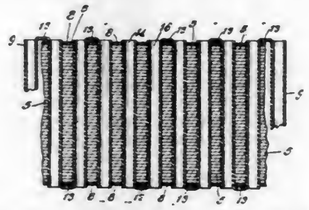
In a suitcase of the character described, a rectangular bottom, a single rectangular member bent at one end thereof to form a side and a top, means to attach the lower end of said side to said bottom, a substantially rectangular piece at each end of said suitcase, out-turned edges on said last named pieces forming, with said member, an exterior welt, and L-shaped metal reinforcement lying inside said case adjacent said welt, a securing strip covering said reinforcement and extending into said welt at one side and secured to said end at the other side, and stitching passing through said welt and through said securing strip to secure the pieces of said welt together.

2,455,862

CONTINUOUS STRIP SLOT INSULATION

Richard O. Goldberg, Chicago, Ill., assignor to Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware

Application February 7, 1947, Serial No. 727,096
14 Claims. (Cl. 171—206)



1. Insulating means for electric rotors and the like, comprising a thin, flat longitudinally extended strip of flexible insulating material, longitudinally scored along its central axis, the strip being notched on opposed sides thereof at a plurality of spaced points along both sides, the notches alternating and extending inwardly substantially to the scored center line the opposite walls of the notches being parallel and perpendicular to the scored center line.

2,455,863

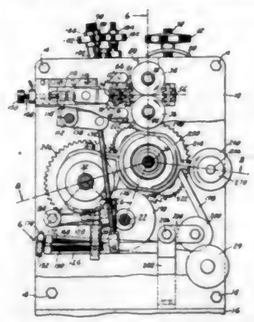
SPRING COILING MACHINE EMBODYING A CHANGE SPEED MECHANISM

Elmer W. Halvorsen, Worcester, Mass., assignor to The Torrington Manufacturing Company, Torrington, Conn., a corporation of Connecticut

Application December 26, 1946, Serial No. 718,534
39 Claims. (Cl. 153—65)

1. In a spring coiling machine, the combination of wire feed rollers, spring coiling mechanism positioned to coil the wire after it has passed the rollers, cutoff mechanism positioned to cut the wire after it has been coiled, a constant speed drive shaft, an intermediate shaft geared

to the feed rollers, a change speed mechanism connected with the drive shaft, a rotatable member driven by the change speed mechanism, a rotatable cam shaft, means operable repetitively by the cam shaft during rotation thereof for adjusting the change speed mechanism to rotate the rotatable member alternately at two different normally fixed speeds, gearing connected with the rotatable member and serving upon rotation of the member at one said speed to rotate the intermediate shaft in the direction to rotate the feed rollers so as to effect feeding and coiling, the said gearing serving upon rotation of the member at the other said speed to maintain the intermediate shaft and the feed rollers stationary so as to discontinue feeding and coiling, and a means actuated by the cam shaft for operating the cutoff mechanism when the intermediate shaft and the feed rollers are stationary.



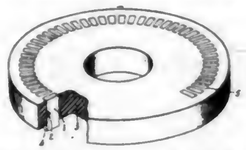
35. A wire coiling machine comprising wire feed rollers, coiling mechanism positioned to coil the wire after it has passed the rollers, cut off mechanism positioned to sever the coiled wire, a drive shaft, a differential change speed mechanism connecting the shaft with the rollers and operable to drive the latter at rates varying with respect to that of the drive shaft, a cam shaft driven by the drive shaft, a cam mechanism connected with the cam shaft and operating to control the differential mechanism and cause it to drive the rollers at rates varying from zero to a maximum, and cam controlled means connected with the cam shaft and operable to cause the cut off mechanism to sever the wire when the feed rollers are held stationary by the differential mechanism under the control of the cam mechanism.

2,455,864

METHOD OF MANUFACTURE OF PLURAL CIRCUIT CONNECTING MEMBERS

Max R. Hanna, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application December 4, 1945, Serial No. 632,733
2 Claims. (Cl. 29—155.54)



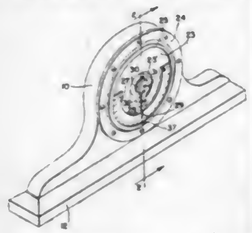
1. The method of making a plural circuit connecting member comprising forming a groove in a peripheral surface of a hollow cylindrical member of electrically conductive material, longitudinally slotting said member for a distance less than the longitudinal width thereof to form a plurality of bars connected to a solid ring portion, molding insulating material around said bars substantially from said solid ring portion longitudinally to a point beyond said groove but less than the outer extremity of said bars away from said solid portion so that an end portion on said bars beyond said insulating material is left exposed for providing lead connecting portions, and removing said solid ring portion as by grinding, whereby newly formed end surfaces of separate spaced conductor bars are exposed and adapted to make contact with a suitable brush contact member at the face of said plural circuit connecting member opposite said end portions providing lead connecting portions.

2,455,865

MEASURING INSTRUMENT HAVING AN ADJUSTABLE SCALE

Herbert C. Houser, St. Louis, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application September 9, 1944, Serial No. 553,387
6 Claims. (Cl. 33—215)



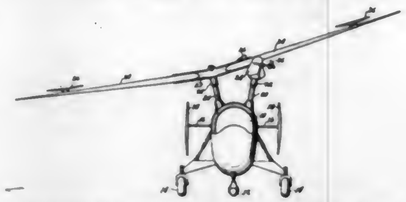
1. A measuring instrument comprising a body member having a circular aperture therethrough, a ring member secured to the body member around the aperture, a convexly formed flexible diaphragm secured between said members, a scale frictionally retained between the convex side of said diaphragm and one of said members, said scale being movable relative to said members upon flexing of said diaphragm from its normally convex configuration.

2,455,866

AIRCRAFT OF ROTARY WING TYPE

Charles H. Kaman, West Hartford, Conn., assignor to The Kaman Aircraft Corporation, West Hartford, Conn., a corporation of Connecticut

Application August 19, 1946, Serial No. 691,431
12 Claims. (Cl. 244—17)



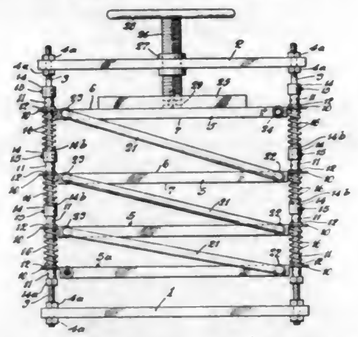
1. An aircraft of the rotary blade type including in combination, a fuselage, a power driven substantially vertical shaft connected with the fuselage, a plurality of similar radially extending aerofoil blades equally spaced circumferentially and having their root portions connected with the shaft for rotation therewith and so held as to prevent rotative movements of the said root portions about axes extending longitudinally of the blades, each blade being formed of wood with the cross-sectional area at its root portion greater than the cross-sectional area at any other portion and with a longitudinal opening therein extending along its leading edge from its root portion to a point at the outer portion thereof and each blade being capable of substantial twisting about its longitudinal mean axis and with respect to its nonrotatable root portion and having torsional resiliency causing it to be restored to its normal shape after such twisting, a plurality of similar aerofoil flaps carried respectively by the outer portions of the blades adjacent the outer ends of the said longitudinal openings in the leading edges thereof and angularly movable relatively to the blades about axes substantially parallel with the mean axes of the blades which flaps serve by reason of aerodynamic forces acting thereon during rotation to twist the respective blades progressively from the said root portions to the said flaps and to thereby change the effective blade pitches to varying substantial extents dependent on varying relative angular positions of the flaps, relatively movable flap moving connections extending from the flaps to the fuselage which connections include elements extending longitudinally of the blades and positioned within the said openings in the leading edges thereof, and a pilot controlled flap actuating mechanism on the fuselage for moving the said connections during rotation of the blades and flaps so as to angularly move the flaps relatively to the blades, the said flap actuating mechanism enabling the pilot to control the movement of the aircraft by reason of varying flap induced twisting of the blades and the resultant varying effective pitches thereof.

2,455,867

PRESSURE TYPE FREEZER

Herman W. Kleist, Chicago, Ill., assignor to Dole Refrigerating Company, Chicago, Ill., a corporation of Illinois

Application January 6, 1944, Serial No. 517,171
6 Claims. (Cl. 62—114)



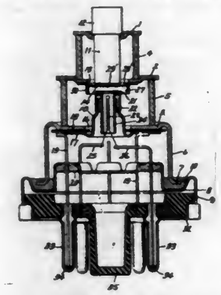
6. In a freezer, a plurality of horizontal freezing plates, uprights adapted to guide them in vertical movement, yielding means interposed between the plates tending to move them upwardly and separate them, stop members on the guiding means adjustable in position whereby the tension of the yielding means may be adjusted, the stop members being adapted also to serve to limit the upward excursion of each individual plate, adjustable means for overcoming the thrust of the yieldng means to compress material to be frozen between the plates, flexible fluid tight connections between said plates in series, said plates being connected, by said connections, and being adapted to receive a coolant passing through the plates in series, at all permitted and relative positions of the plates.

2,455,868

CONTROL GRID FOR ELECTRIC DISCHARGE DEVICES AND METHOD OF MAKING SAME

Arthur R. Koch, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 21, 1945, Serial No. 589,488
7 Claims. (Cl. 250—27.5)



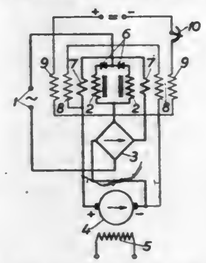
4. An electric discharge device comprising a plurality of electrodes including an anode, a cathode and a control member, a disk-like member providing an externally accessible connection for each of said electrodes, a plurality of cylindrical members of insulating material sealed between said disk-like members to space said connections, the disk-like member for said grid including a cylindrical support concentric with one of said members of insulating material and extending toward said cathode, a grid structure including a cylindrical supporting portion received in and secured to said support, the lowermost portion of said support and grid structure extending below the upper surface of the cathode to prevent material vaporized from said cathode from depositing on said one member.

2,455,869

MEANS FOR OPERATING SEPARATELY EXCITED DIRECT-CURRENT MOTORS

Ulrik Krabbe, Fruens Boge, Denmark, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden

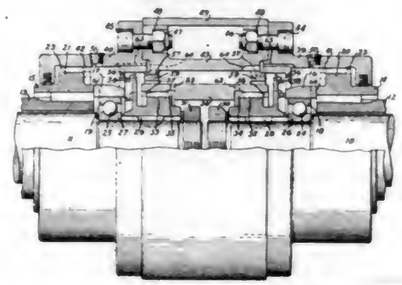
Application December 4, 1947, Serial No. 789,732
In Sweden December 6, 1946
3 Claims. (Cl. 318—308)



1. Means for operating direct current motors comprising a direct current motor with separate

excitation, a rectifier having direct current terminals connected in series with said motor and alternating current terminals connected in series with a direct current saturable reactor to alternating current terminals, self-magnetizing means for said reactor, and at least two additional magnetizing means for said reactor, one of which cooperates with the self-magnetizing means and is essentially proportional to the armature current of the motor, while another opposes the self-magnetisation and is essentially proportional to the voltage across the rectifier.

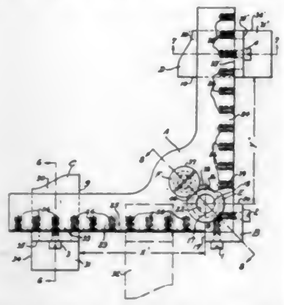
2,455,870
COUPLING
John A. Maul and Willis P. Lautzenheiser, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York
Application January 5, 1944, Serial No. 517,078
9 Claims. (Cl. 64—9)



1. A coupling for connecting a pair of inner and outer substantially co-axial shafts extending in one direction to another pair of inner and outer substantially co-axial shafts extending in the opposite direction including a pair of engagement members respectively secured to each of said inner shafts, means including a coupling member arranged in engagement with said engagement members for providing a driving connection between said inner shafts, a second pair of engagement members respectively secured to each of said outer shafts, means including a second coupling member surrounding said first-mentioned coupling member and arranged in engagement with said second engagement members for providing a driving connection between said outer shafts, and a means including a pair of anti-friction bearings respectively positioned between each of said inner shafts and said second engagement members for supporting said inner shafts, said second coupling member being formed as a lubricant reservoir for said bearings, each of said second engagement members having a plurality of outwardly extending openings adjacent said bearings for creating a centrifugal fan action on rotation of said coupling whereby lubricant is drawn through said bearings.

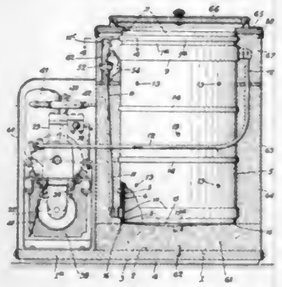
2,455,871
ADJUSTABLE DRILL JIG
Arthur W. Meyer, St. Louis, Mo., assignor of one-half to Joseph P. Happley, St. Louis, Mo.
Application February 10, 1945, Serial No. 577,265
4 Claims. (Cl. 77—62)

1. A tool of the class described comprising the combination of a body member adapted to be mounted on top of a work piece, a non-adjustable measuring element, an adjustable measuring element, and clamping means for said adjustable measuring element, said body member including two legs intersecting each other at one of their ends and diverging from their intersection at an angle of 90° to each other, said body member having an aperture located adjacent to the intersection of said legs for receiving a guide for a rotatable cutting device and positioning the latter immovably in said body member in a plane extending transversely to the axis of rotation of the cutting device, said non-adjustable element being positioned on the outer side of a leg of said body member and having a surface extending lengthwise of the axis of said aperture and at 90° to the side surface of the leg and outwardly therefrom, said adjustable element being mounted on the same leg on which said non-



adjustable element is positioned and having a horizontal portion adapted to engage the underside of the leg and an upwardly projecting portion engaging the outer side surface of the leg, said latter portion having a surface extending outwardly at 90° from the outer side surface of the leg and facing toward the above-mentioned surface of said non-adjustable element, said horizontal portion having a surface extending in the same direction as the above-mentioned surface on said upwardly projecting portion for engagement with a side surface of the work piece, and said clamping means holding said upwardly extending portion of said adjustable element directly to the leg of the body member to position said latter element on the leg in spaced relation with said non-adjustable element.

2,455,872
CYLINDRICAL DOMESTIC REFRIGERATOR
Willard L. Morrison, Lake Forest, Ill.
Application May 26, 1945, Serial No. 596,048
16 Claims. (Cl. 62—116)

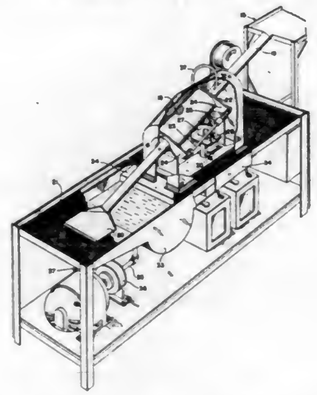


1. In an open topped evaporator and storage structure for refrigerators, concentric generally vertically axised inner and outer cylinders having spacing means adapted to space them slightly apart, said cylinders being sealed together adjacent their ends to define therebetween an evaporator space, a bottom member closing the storage space surrounded by the evaporator space thus formed, said cylindrical members being additionally separated adjacent their upper ends to provide a generally circumferentially extending heat interchanger space, means for delivering a liquid refrigerant to said heat interchanger space and thence to said evaporator, and means for withdrawing evaporated refrigerant from the evaporator.

2,455,873
MODIFIED WAX-COMPATIBLE ETHYLENE GLYCOL - TETRACHLOROPHTHALATE RESINS
Birger W. Nordlander and William E. Cass, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application July 4, 1945, Serial No. 603,268
6 Claims. (Cl. 260—22)

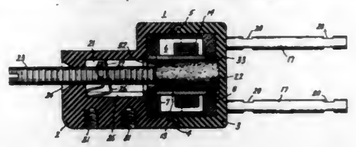
1. A flame-resistant, wax-compatible, permanently fusible, resinous composition, containing from 30 to 40 percent, by weight, of chlorine, said composition being the resinous product of simultaneous reaction of ingredients consisting of (*a*) ethylene glycol, (*b*) tetrachlorophthalic anhydride, the ethylene glycol being present in an amount equal to from 1.05 to 1.25 mols per mol of tetrachlorophthalic anhydride, and (*c*) a modifying substance being at least in part chemically combined in the resinous composition and being selected from the class consisting of (1) fatty oils, (2) fatty acids having from 10 to 33 carbon atoms, inclusive, and (3) fats and waxes containing esters of the fatty acids defined in (2), the modifying substance being present, by weight, in an amount corresponding to from 5 to 25 per cent of the total weight of the starting ingredients.

2,455,874
MACHINE FOR TESTING AND MARKING PARTS MAGNETICALLY
Albert J. Newman, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 7, 1944, Serial No. 530,020
8 Claims. (Cl. 175—183)



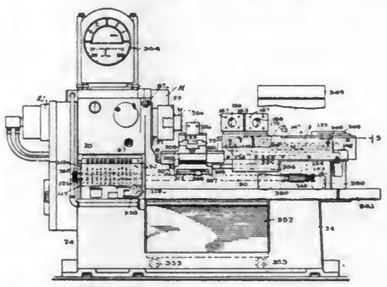
1. A machine for testing parts magnetically including means for applying a magnetically sensitive film to said parts, a magnetizing coil, means for directing said parts to said means for applying a magnetically sensitive film and then through said coil, and means for momentarily energizing said coil for arresting said parts in said coil, whereby to utilize the magnetic field set up by the latter to modify the film on those of said parts which are defective.

2,455,875
INDUCTANCE UNIT
Eric O. Peterson, Bridgeport, David I. Wright, Westport, and Henry T. Heaton, Milford, Conn., assignors to General Electric Company, a corporation of New York
Application July 10, 1944, Serial No. 544,286
2 Claims. (Cl. 171—119)



1. A transformer arrangement for high frequency currents comprising a plurality of housing members, each of said members comprising insulating means forming a substantially closed chamber, a magnetic core supported within said chamber, a winding disposed within said core, and a one-turn link coupling for said windings within said chambers comprising a conductive body surrounding said members for shielding said windings from electromagnetic fields external to said body.

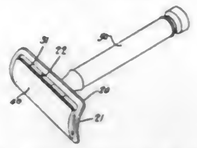
2,455,876
MACHINE TOOL
William Wallace Potter and Alfred Joseph Fuller, Pawtucket, R. I., assignors, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application May 26, 1944, Serial No. 537,490
18 Claims. (Cl. 29—44)



1. A turret lathe comprising a spindle, cross slides a turret slide, an indexable turret mounted on the turret slide, means for driving said spindle and reciprocating said cross slides and said turret slide relative to the spindle for performing work operations, a device mounted on the turret slide for centering and locking the turret in indexed position and for unlocking the same prior to indexing of the turret, a selector device mounted on the turret slide for rendering either or both of the cross slides effective or ineffective with respect to the position of any face of the turret and including a disconnectible means in said cross-slide drive actuated by said selector device, the means for driving said turet slide including a single rotatably mounted cam-disc disposed

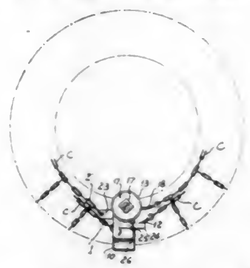
under the upper surface of the turret slide and cam surfaces thereon for directly reciprocating the turret slide, for directly indexing the turret, for directly actuating the turret locking and unlocking device and for actuating said selector device in time relation with respect to each other.

2,455,877
SAFETY RAZOR
Olaf Rasmussen, Sidney, Ohio
Application December 16, 1944, Serial No. 568,424
3 Claims. (Cl. 30—73)

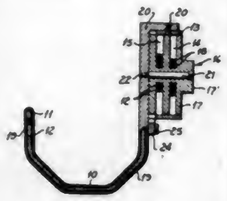


1. A shaving device comprising in combination, a guard, transversely arcuate and having two slots each parallel to and adjacent a longer edge of said guard and terminating adjacent the shorter, arcuate edges thereof, the middle portion of the guard between said slots being flat the corresponding surfaces of the arcuate and flat portions of the guard being in tangency at the longitudinal center of the guard; a blade shorter than the length of the slots and wider than the middle portion of the guard, having a cutting edge at each longer side thereof, each cutting edge substantially aligning with the outer edge of a slot when said blade is in position on the flat portion of the guard; a clamp wider than the middle portion of the guard and narrower than the blade and having an arcuate surface operative to engage and urge the blade toward said flat portion of the guard and thereby flexing said blade transversely over said portion to hold each cutting edge thereof no less than forty thousandths of an inch from the adjacent edge of the guard, said clamp being narrower than and longer than the blade, yet shorter than the slots in the guard; and means for urging the clamp toward and upon the guard to clamp the blade thereupon and flex it, said means providing a handle for the device.

2,455,878
ANTISKID DEVICE FOR TIRES
Charles Sadowsky, Great Neck, N. Y., assignor to United Device Corporation, New York, N. Y., a corporation of New York
Application August 7, 1946, Serial No. 688,831
8 Claims. (Cl. 152—219)



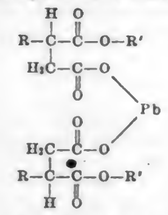
3. An anti-skid device for tires, comprising, in combination with anti-skid chains, a channel-shaped bar fitting the contour of the tire, a drum having a rear supporting member securably attached to one end of said bar, said drum being adapted to receive and wind up two cables in separate compartments thereof, said cables being



attached at one end to said anti-skid chains, the other ends of said chains being fastened to the channel-shaped bar and the rear supporting member of said drum respectively.

2,455,879
ORGANIC LEAD SALT STABILIZERS FOR VINYL HALIDE RESINS
Moyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 13, 1946, Serial No. 669,469
10 Claims. (Cl. 260—86)

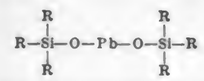
1. A composition comprising (1) a vinyl halide resin and (2) from 0.5 to 10 per cent, by weight, based on the weight of (1) of a heat, light and electrical stabilizer therefor comprising a compound having the general formula



wherein R and R′ are each an alkyl radical, the former having from 3 to 10 carbon atoms and the latter having from 1 to 5 carbon atoms in the radical.

2,455,880
LEAD SILANOLATE STABILIZERS FOR VINYL HALIDE RESINS
Moyer M. Safford and Edwin L. Mincher, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application May 13, 1946, Serial No. 669,470
12 Claims. (Cl. 260—86)

1. A composition comprising (1) a vinyl halide resin and (2) from 0.5 to 10 per cent, by weight, based on the weight of (1) of a heat and light stabilizer therefor comprising a compound having the general formula

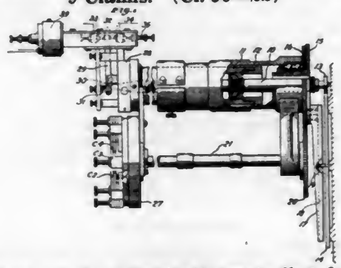


where R is a hydrocarbon radical selected from the class consisting of alkyl, aryl, aralkyl and alkaryl radicals.

2,455,881
MERCURY-TREATED CHARCOAL CATALYST AND PROCESS FOR ITS PREPARATION
Leroy Frank Salisbury, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application September 7, 1945, Serial No. 615,090. Divided and this application July 18, 1947, Serial No. 762,009
6 Claims. (Cl. 252—217)

1. The process for obtaining a catalyst, which comprises impregnating charcoal with an aqueous solution of a mercuric salt, the concentration of said solution being such as to provide an impregnated charcoal containing said mercuric salt in an amount within the range of from two to 198 grams, calculated as elementary mercury, per liter of charcoal, then converting said salt in situ to mercuric oxide, drying the impregnated charcoal at a temperature below 100° C., thereafter contacting the charcoal with a suspension of basic mercuric nitrate, the concentration of said suspension being such as to provide a basic mercuric nitrate coating on said charcoal in an amount within the range of from two to 198 grams, calculated as elementary mercury, per liter of charcoal, and a total weight of mercuric oxide and basic mercuric nitrate associated with the charcoal within the range of from four to 200 grams, calculated as elementary mercury, per liter of charcoal, and drying the resultant product at a temperature below 100° C.

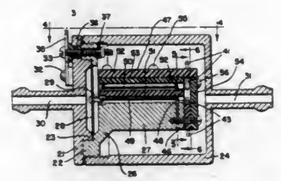
2,455,882
AUTOMATIC DUPLICATING MACHINE
Robert D. Shaw, Bloomfield, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application January 28, 1944, Serial No. 520,020
9 Claims. (Cl. 90—62)



1. A tracer for electrically controlled duplicating machines comprising in combination, a tracer body, a tracer arm therein one end of which is adapted to engage the periphery of a template and the opposite end varies the position of a contact carrying lever when the tracer arm is actuated in any direction, a member mounted adjacent said lever having opposed contacts thereon suitably spaced apart and engageable respectively with the contacts on said lever, and means controlled by movement of said tracer about the template to move said member a limited distance in a direction to open one of its contacts and close the other contact with the contacts on said lever.

2,455,883
ELECTRIC PRESSURE STRAIN GAUGE
Louis D. Statham, Beverly Hills, Calif., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 10, 1945, Serial No. 587,629
7 Claims. (Cl. 201—63)

1. In a pressure gage, a member having a fluid passage therethrough and means for connecting said passage to a source of fluid pressure to be measured, a diaphragm having its peripheral portion seating on said member with its intermediate portion flexible in response to variations in fluid pressure introduced through said passage, a collar secured to said member and clamping said peripheral portion of the diaphragm to the member, the collar having an arm substantially rigid therewith, an insulating pin carried by said arm, a pair of wire anchoring elements insulated from and carried by the arm adjacent said pin,



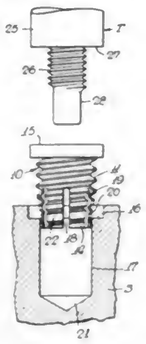
a hook carried by the central portion of the diaphragm, a strain wire having its end portions anchored to said anchoring elements and the wire being wound under tension around said hook and said pin, the spans of the wire between the hook and pin extending along lines substantially normal to the plane of the diaphragm, flexure of the diaphragm being resisted only by the strain wire connected thereto by said hook, and the diaphragm being so proportioned relative to the strain wire that the latter will bear not more than about ten per cent of the pressure load exerted on the diaphragm.

2,455,884
INFANT'S SLEEPING GARMENT COMBINATION
Libera L. Steigerwald, Chicago, Ill.
Application April 19, 1944, Serial No. 531,737
2 Claims. (Cl. 128—134)



1. In an infant's sleeping garment structure of the character set forth, a sheet, means for securing the corner portions of the sheet to a bed, a body garment extending about the body of the child and provided with openings through which the legs of the child extend, said body garment having a crotch portion received between the legs of the child and a tie member narrower than said body garment and equal to about half its length, and means for securing the tie member to said sheet at an intermediate point thereon and in line with the longitudinal axis of the child's body.

2,455,885
SCREW FASTENING
Erich G. Theurer, Teaneck, N. J.
Application October 1, 1945, Serial No. 619,606
4 Claims. (Cl. 85—32)

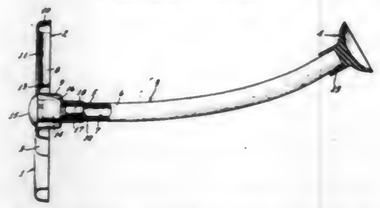


1. An insert suitable for self tapping into an untapped cylindrical bore in a plastic mount and suitable for accommodating therein a machine screw having a thread of uniform diameter, cross section and pitch, said insert comprising an internally and externally threaded tube of metal having interruptions extending longitudinally from one end thereof, the sides of said interruptions determining cutting edges, the inside diameter of said tube throughout the entire length thereof being sufficiently large to accommodate such machine screw and said bore being threaded at least throughout the major portion thereof with a thread of diameter and pitch to fit that of such machine screw, said threaded portion extending from within the uninterrupted portion into the interrupted portion of said tube, the external thread of said tube being a machine thread of uniform root diameter extending along the major portion of the length of the insert, the crest of said external thread being of uniform diameter at that portion of the insert length which is beyond said interruptions, and the crest of said exterior thread along a portion of the length thereof which has the interruptions being in a conical locus tapering to the interrupted extremity of the insert, whereby upon threading the insert into such untapped bore the cutting edges at its entry and will form a corresponding thread in the plastic and the resistance of the mount will force said interrupted portion of the tube slightly inward, so that upon the subsequent introduction of a machine screw that fits into the insert said interrupted portion of the tube will be forced outward thereby to substantially its original form for enhanced grip of the insert in such mount and of such screw in the insert.

2,455,886
METHOD OF RENDERING TEXTILE MATERIAL WATER REPELLENT, AND THE PRODUCT
Peter J. Ariente, Pawtucket, and Herman C. Allen, Saylesville, R. I., assignors to Sayles Finishing Plants, Inc., Saylesville, R. I., a corporation of Rhode Island
No Drawing. Application March 10, 1944, Serial No. 525,942
5 Claims. (Cl. 117—167)

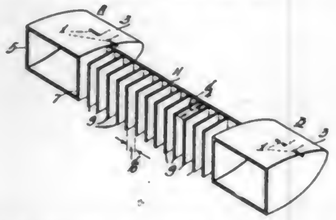
3. The process of producing a durable water-repellency in a fibrous textile material which comprises impregnating the material with an aqueous dispersion of cetyl acetamide, zirconium stearate and zirconium formate in approximately the relative proportions four parts by weight of cetyl acetamide to one part by weight of zirconium stearate to one-third part by weight of zirconium formate, and drying the impregnated material at an elevated temperature.

2,455,887
TOY STEERING WHEEL
Jack J. Braude, Los Angeles, Calif., assignor to Evco, Inc., Los Angeles, Calif., a corporation of California
Application March 30, 1948, Serial No. 17,939
5 Claims. (Cl. 46—1)



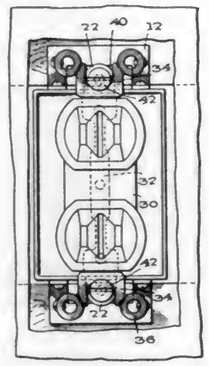
1. A toy steering wheel of plastic material having a central outwardly facing cup having a bottom wall; a sleeve projecting rearwardly from the rear of said wall; a stud projecting rearwardly from said wall within said sleeve, said stud having a base concentric with and spaced from the inside of said sleeve to provide a gap therebetween, the outer end of said stud having a side surface at a given peripheral region thereof which is spaced from said sleeve by a smaller gap than the remainder of the periphery at the outer end of said stud to thereby provide a gap between said sleeve and outer end of said stud at said region which is of less radial width than the gap at the base of said stud; and a resilient, hollow steering column having an end portion fitting inside said sleeve and over said stud, said column having a wall of greater thickness than said smaller gap, whereby to provide a friction grip at said smaller gap for preventing said wheel from falling off said steering column while permitting rotation of said wheel relative to said steering column.

2,455,888
ANTENNA
George H. Brown, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 12, 1944, Serial No. 549,241
11 Claims. (Cl. 250—33)



5. In a system including two antennas, apparatus for preventing direct-path transmission between said two antennas, including a plurality of parallel-conductor transmission line sections, means supporting said line sections between said antennas and perpendicular to the line between said antennas, said supporting means short-circuiting each of said line sections at least at one point thereon to provide high impedance paths between said antennas.

2,455,889
QUICK ATTACH STRAP
Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application September 28, 1945, Serial No. 619,229
5 Claims. (Cl. 174—52)

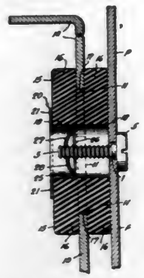


2. The combination with an electric wiring device to be secured in an outlet box, of supporting means for said device attached thereto and having two oppositely disposed projecting tabs to be attached to the box each by means of a screw extending through the same and into a tapped hole in the box, each of said tabs having a notch therein, said notches opening oppositely and having their bottom walls spaced a distance intermediate that between the shanks of the two screws and that between the heads thereof, at least one of the notches being wide enough for its full length to pass over the head of one of said screws whereby the wiring device may be mounted by means of pre-inserted screws.

2,455,890
POLYSTYRENE-MINERAL OIL EXTRACT PLASTIC COMPOSITION
Eric William Musther Fawcett, Albert Millien, and Norah Mulhern, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British corporation
No Drawing. Application January 27, 1944, Serial No. 519,948
In Great Britain January 2, 1943
2 Claims. (Cl. 260—33.6)

2. As a composition of matter, an improved polystyrene composition comprising polystyrene in admixture with a hydrocarbon fraction derived from a high boiling mineral oil fraction having a low degree of compatibility with polystyrene and boiling in the boiling range of 250° C.–800° C. at 760 mm. mercury pressure, by extraction of said mineral oil fraction with a selective solvent, the hydrocarbons of said hydrocarbon fraction being non-volatile and of non-polar character, having a high average molecular weight in the range 200 to 850, a high specific gravity in the range 0.995 to 1.075, a high carbon content averaging at least .6 atom of carbon per atom of hydrogen, and a high solvent power for and a high degree of compatibility with polystyrene, and, said hydrocarbon fraction and the polystyrene being in the ratio of up to 200 parts by weight of said fraction to 100 parts by weight of polystyrene.

2,455,891
SHOCKPROOF MOUNTING
John E. Flanagan, Chicago, Ill., assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 16, 1947, Serial No. 761,389
3 Claims. (Cl. 248—358)



1. In a shock absorbing mounting, a part having a grommet opening, a grommet positioned over said opening comprising a resilient body having a bore, a fastener associated with said grommet comprising a sheet metal body defining a washer portion bearing on said grommet, a bushing portion received in said bore in the grommet and a nut portion carried by said bushing portion comprising resilient thread engaging means, and a bolt or screw having a threaded connection with said resilient thread engaging means in spaced relation to the wall of said bore in the grommet and securing said part to a supporting part in a resilient joint provided by the resiliency of said grommet and the resiliency of said resilient thread engaging means.

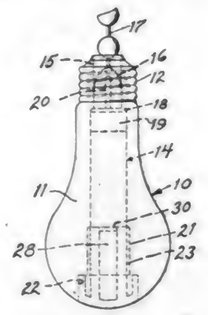
2,455,892
LUBRICATING GREASES AND METHOD OF MAKING THE SAME
Harold M. Fraser, New Orleans, La., assignor to International Lubricant Corporation, New Orleans, La., a corporation of Louisiana
No Drawing. Application August 27, 1946, Serial No. 693,379
17 Claims. (Cl. 252—41)

1. A grease composition comprising a mineral lubricating oil and having incorporated therein in an amount sufficient to thicken the mineral oil to a grease consistency, an alkali soap of a high molecular weight fatty acid, and 2.5% to 12.5% by weight of an alkali salt of acetic acid, the alkali components having an atomic weight varying between about 6.99 and about 22.99.

2,455,893
LUMINOUS PENDANT
Joseph A. Kelly, New York, N. Y., assignor to Luminous Processes, Inc., New York, N. Y., a corporation of Delaware
Application May 19, 1945, Serial No. 594,639
3 Claims. (Cl. 250—73)

1. A marking pendant for an electric switch operating cord comprising, a body composed of light-transmitting material, said body being pro-

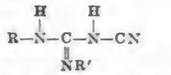
vided with an aperture extending inwardly and axially from one of its ends, said aperture having a wide-diameter portion located adjacent to said end, a plug of light-transmitting material secured in said aperture, said plug being provided with a tubular shank portion of less diameter than the wide diameter portion of the aperture, said shank portion bearing a coating of luminescent material, an integral head formed on the



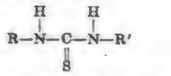
shank at one end of the same, said head being in cup-shaped form and including an annular wall portion spaced from and surrounding a portion of the luminescent-coated shank, the head having a diameter closely fitting within the wide-diameter portion of the aperture, said head having a rounded outer surface extending over one end of the shank, said surface being exposed on the outside of the body and following the curvature of adjacent surrounding portions of the body.

2,455,894
PRODUCTION OF 1-MONO- AND 1,2-DISUBSTITUTED-3-CYANOGUANIDINES
Hans Z. Lecher, Plainfield, Robert Prescott Parker, Somerville, and Robert Sidney Long, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 8, 1946, Serial No. 689,202
9 Claims. (Cl. 260—551)

1. In the manufacture of N-organic substituted-3-cyanoguanidine compounds having the following formula:



wherein R is selected from the class consisting of hydrocarbon and halo-aryl groups and R' is selected from the class consisting of hydrogen and hydrocarbon groups, the process which comprises reacting an N-organic substituted thiourea having the following formula:



wherein R and R' are as defined above, with a member of the group consisting of (1) a metal salt of cyanamide selected from the group consisting of the mercury, lead, and silver salts thereof, and (2) cyanamide and an oxide of a metal chosen from the group consisting of mercury, lead, and silver, in an inert solvent, and recovering the corresponding N-organic substitute-3-cyanoguanidine compound so obtained.

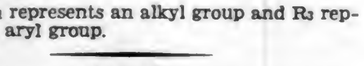
8. A process for the preparation of 1-p-chlorophenyl-3-cyanoguanidine which comprises reacting N-p-chlorophenyl thiourea with lead cyanamide in an inert solvent.

2,455,895
PREPARATION OF ALKALI METAL SALTS OF DICYANIMIDE
Daniel E. Nagy and Bryan C. Redmon, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 22, 1945, Serial No. 618,071
7 Claims. (Cl. 23—75)

2. A method of preparing an alkali metal salt of dicyanimide which includes the steps of reacting in water a dicyanimide salt of a metal chosen from the group consisting of calcium, copper, and zinc with an alkali metal salt, the anion portion of which forms a substantially water insoluble inorganic salt of a metal chosen from the group consisting of calcium, copper, and zinc, to produce an alkali metal dicyanimide, removing the aforementioned substantially water insoluble inorganic salt from the alkali metal dicyanimide, and recovering the alkali metal dicyanimide.

2,455,896
1-ARYL, 5-ALKYL, BIGUANIDES
Daniel E. Nagy, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 12, 1945, Serial No. 622,075
2 Claims. (Cl. 260—565)

1. As new chemical compounds, the unsymmetrical 1,5-substituted biguanides having the following formula



wherein R_1 represents an alkyl group and R_3 represents an aryl group.

2,455,897
1,5-DIARYLBIGUANIDES FROM AROMATIC AMINES AND DICYANIMIDE
Daniel E. Nagy, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 12, 1945, Serial No. 622,076
6 Claims. (Cl. 260—565)

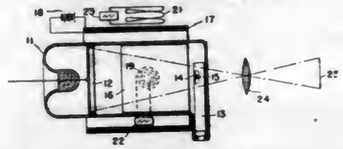
1. As an improvement in the manufacture of 1,5-diarylbiguanide compounds, the improvement which comprises reacting in an aqueous media, a metal salt of dicyanimide selected from the class consisting of the alkali metal and alkaline earth metal salts thereof with an acid salt of an aryl amine selected from the class consisting of primary aryl amines and secondary aryl amines in the ratio of one equivalent of the dicyanimide reactant to two equivalents of the amine reactant, at a temperature of at least 80° C. at atmospheric pressure, and recovering the 1,5-diarylbiguanide compound so obtained.

2,455,898
LAKES OF BASIC DYESTUFFS
Walter E. Ness, Middlesex, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 10, 1943, Serial No. 513,715
20 Claims. (Cl. 106—289)

1. A pigment composition suitable for intaglio printing comprising a reaction product of a basic

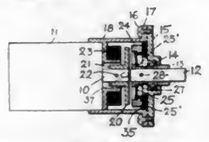
polyaryimethane dyestuff with a natural tanning agent, and a water insoluble polyvalent metal salt of at least one soap-forming acid.

2,455,899
AUTOMATIC SIGNAL LEVEL CONTROL
Robert W. Sanders, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application November 18, 1943, Serial No. 510,753
3 Claims. (Cl. 250—41.5)



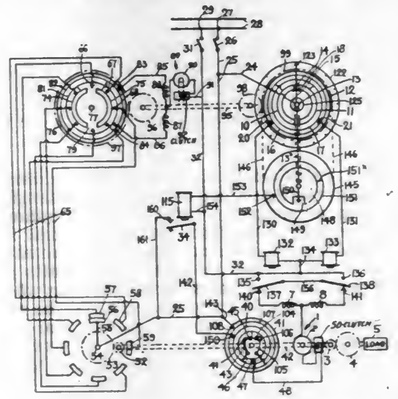
1. In a television system, apparatus for generating video signals comprising, a photoelectric electrode for producing a plurality of streams of primary electrons having limiting values of electron concentrations varying in accordance with the average intensity of light projected onto the electrode and representing a television subject, means including an electron multiplier located in the path of said primary electron streams for converting said streams into a video signal voltage having a peak-to-peak value not exceeding a predetermined value, said multiplier including a plurality of secondary electron emissive electrodes, means disposed between said photoelectric electrode and said multiplier for admitting said primary electron streams successively to said multiplier, a source of accelerating voltage for said multiplier, a voltage divider connected to said voltage source and having fixed and adjustable connections, means including said fixed connections for impressing predetermined fixed accelerating voltages on certain ones of said multiplier electrodes, and means including an adjustable one of said voltage divider connections for impressing on another one of said multiplier electrodes one of said fixed accelerating voltages.

2,455,900
COMBINED CLUTCH AND BRAKE
Michel N. Yardeny and Leon Kardorff, New York, N. Y.; said Kardorff assignor to said Yardeny
Application December 16, 1944, Serial No. 568,435
3 Claims. (Cl. 192—14)



1. A combined clutch and brake comprising, in combination, a driving shaft; a driven shaft in concentric extension of the driving shaft; a casing arranged to be fixedly supported relative to both shafts and shaped interiorly to provide a chamber surrounding adjacent end portions of both shafts; a pair of cooperating clutch members, one secured to the driving shaft and the other to the driven shaft; an electromagnet; braking means carried by the casing; and means in the chamber for resiliently mounting one of said clutch members on and spaced around the shaft to which it is secured, the last-named clutch member constructed to constitute an armature for the electromagnet when energized and the mounting means being resiliently biased whereby such energization moves the resiliently mounted clutch member against such bias into clutch engagement with the other clutch member, the mounting means also being arranged to urge the resiliently mounted clutch member into engagement with the braking means for rendering the latter effective when the magnet is deenergized, the mounting means being arranged annularly around the respective shaft, and the clutch member mounted thereby being annularly discontinuous around the mounting means, portions of the discontinuous clutch member facing the electromagnet having a greater mass than the clutch portions facing the braking means.

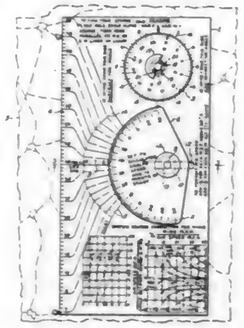
2,455,901
REMOTE CONTROL WITH MULTIPLE-SPEED GOVERNOR
Michel N. Yardeny, New York, N. Y.
Application December 22, 1944, Serial No. 569,309
8 Claims. (Cl. 318—31)



7. In a remote control system for placing a load at any desired end point, in combination, a pair of relatively movable members, one of the members having electrical conducting elements separated by a gap, the other member having a contact element slidably engageable with the said conducting elements, a motor for moving the load, circuit means including the said motor and elements and a source of current supply, one of the said pair of members being selectively adjusted to cause displacement between said gap and contact element and engagement thereof with one or the other of the said conducting elements depending upon the direction in which it is desired the motor to rotate, means under control of the load motor for turning the other member of the pair in a direction to cause alignment of contact element and gap to stop the motor, a rotary speed governor driven by the said motor, contacts on the governor connected to the said motor circuit, a pair of switch arms mounted on the governor and spring urged, into engagement with the said contacts, the said pair of switch arms being distally weighted, the said spring-urged arms and distal weights being arranged to cause one of the said pair of switch arms to disengage its said contact at a predetermined normal running speed and to cause the other switch arm to disengage its contact at a reduced speed, and means associated with the said pair of movable members operative when the members of the said pair are close to

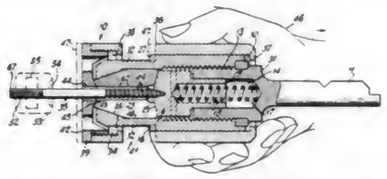
alignment of contact element and gap for rendering the normal-speed governor arm effective for control of the motor speed during the normal running of the motor and placing the motor under control the reduced-speed governor arm as the load approaches the desired end point.

2,455,902
CALCULATING AND AERIAL NAVIGATION INSTRUMENT
William D. Cockrell, Schenectady, N. Y.
Application February 24, 1947, Serial No. 730,608
12 Claims. (Cl. 235—61)



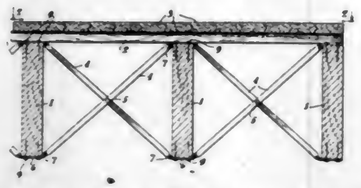
1. In a calculating instrument for adding to one quantity the product of two other quantities, a linear scale marked in units of a first quantity, a set of equally spaced substantially radial lines corresponding to points on said scale, a rotatable circular scale marked in equal linear units of a second quantity and intersecting said lines whereby any point on said circular scale may be made to register with any one of said radial lines, means affording adjustment of the axis of rotation of said circular scale along a radial line, and a scale along said last mentioned radial line marked in units of a third quantity whereby said circular scale may be positioned to intersect said last mentioned radial line at a selected value of said third quantity, said radial lines being the loci of the products of said second and third quantities which are equal to the corresponding units on said linear scale when the zero point on said circular scale lies on the radial line corresponding to the zero point on said linear scale.

2,455,903
DIMPLING MANDREL
Howard R. Fischer, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application April 4, 1944, Serial No. 529,479
6 Claims. (Cl. 153—21)



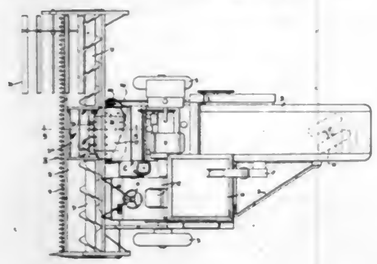
1. In combination, a mandrel having a shank, a threaded end portion, and a serrated end portion including a series of annular flanges, the outside diameter of the shank, of the crests of the threads, and of the annular flanges being substantially equal so that the mandrel may be passed through an aperture of substantially such diameter in a work sheet, and a die having a threaded bore to receive the threaded end of the mandrel, said die being slotted for the reception of a handle to hold the die in position for the threading of the mandrel thereinto.

2,455,904
METAL CROSS BRIDGING
Emil C. Meulenbergh, Brooklyn, N. Y.
Application September 25, 1945, Serial No. 618,528
2 Claims. (Cl. 20—9)



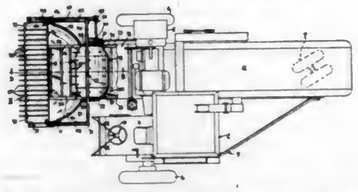
1. An adjustable bridging for building structures comprising a pair of brace arms pivotally connected to each other, said brace arms respectively comprising a pair of substantially flat apertured attaching portions for engaging the top and bottom surfaces of a pair of spaced beams, a substantially flat web portion disposed between said attaching portions at substantially right angles to each, and a pair of connecting twist portions separately connecting said attaching portions to the adjacent ends of said web portion, each said twist portion being located substantially at the inner terminus of the attaching portion to which it is connected so as to be located substantially at an edge of the beam in the installed position of the bridging.

2,455,905
COMBINE
Martin Ronning, St. Louis Park, and Kenneth M. Keith, Minneapolis, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application November 20, 1943, Serial No. 511,054
16 Claims. (Cl. 56—124)



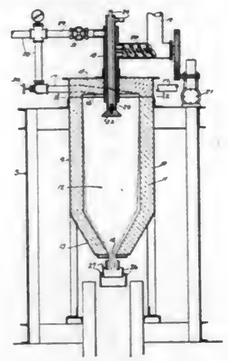
1. In a combine having a harvester and a thresher rearwardly thereof, a conveyor for conveying crop material rearwardly from the harvester to the thresher, a rotary feeder device across the entire width of the conveyor and cooperating with a rearwardly moving part of the conveyor to assist in moving the crop material from the harvester to the thresher, said feeder device having extensible and retractable crop engaging members, and means for extending the members as they rotate downwardly and thence rearwardly adjacent to and in conjunction with the rearwardly moving part of the conveyor.

2,455,906
CROP GATHERING MECHANISM FOR COMBINES
Martin Ronning, St. Louis Park, and Kenneth M. Keith, Minneapolis, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application December 31, 1943, Serial No. 516,563
10 Claims. (Cl. 56—364)



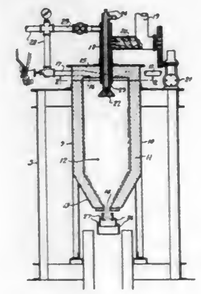
1. In a combine having a thresher part, an apron conveyor extending forwardly from the thresher part for delivering crop material thereto, a rotary pick-up device disposed at the forward end of the apron for transferring grain lying on the field to the conveyor, a rotary drum feeder disposed over the apron conveyor to cooperate therewith in feeding grain to the thresher part, said drum feeder extending transversely of the apron conveyor with a length substantially equal to the width of the apron conveyor, projectable and retractible arms carried by the drum feeder, and means for rotating the feeder and actuating the arms whereby the arms will be projected while moving rearwardly above the conveyor.

2,455,907
APPARATUS FOR MELTING GLASS
Games Slayter, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application April 15, 1944, Serial No. 531,219
6 Claims. (Cl. 49—1)



1. An apparatus for forming glass fibers comprising a hollow body having a discharge opening at the bottom through which both molten glass and products of combustion escape from the body, a plurality of gas burners arranged to produce a swirling flame in the body, means for introducing glass batch materials into the body under a fluid pressure at least equal to the pressure of the gas entering said burners and for directing the batch outwardly into the flame to melt the batch, said body being substantially sealed against the escape of products of combustion except for the discharge opening aforesaid which is restricted to such an extent that sufficient pressure is built up in the body to discharge the products of combustion at a high velocity through the opening, and means outwardly of the body for directing the flow of molten glass into the high velocity stream of the products of combustion to form the glass into fibers.

2,455,908
METHOD OF MAKING GLASS FIBERS
Games Slayter, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Original application April 15, 1944. Serial No. 531,219. Divided and this application June 5, 1946, Serial No. 674,585
6 Claims. (Cl. 49—77.5)

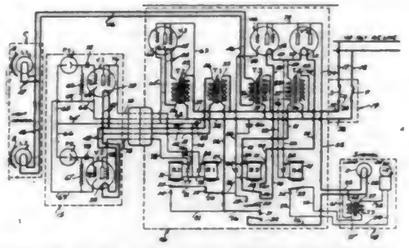


2. The method of producing glass wool which consists in melting glass batch materials under pressure in a substantially cylindrical confined melting zone having a restricted discharge path defining the lower end of said zone and leading therefrom, bringing the batch into contact with a swirling flame in the upper end of the confined zone to reduce it to a molten state, flowing the molten glass around the high velocity stream of the products of combustion escaping said zone through the discharge path to fiberize the molten glass issuing from the path, and inducing an inwardly directed movement of air around the molten glass issuing from the discharge path by movement of the blast of the products of combustion passing through the path to urge the molten glass into the blast.

2,455,909
FOUL DETECTOR AND INDICATOR FOR BOWLING ALLEYS
Putnam M. Smith, Redwood Falls, Minn., assignor of one-half to A. Leslie Janes, Jr., Redwood Falls, Minn.
Application December 3, 1941, Serial No. 421,435
2 Claims. (Cl. 273—50)

1. In a foul detecting and indicating system for bowling alleys, a normally inoperative foul signaling device, an operating circuit for the signaling device which includes a normally open switch, electro-magnetically operated means for operating the signal circuit switch, a circuit for said electro-magnetically operated signal circuit switch operating means and which, circuit, includes a serially connected pair of switches, one

of said pair of switches being normally open and the other of which is normally closed, another

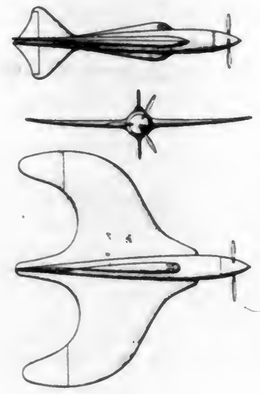


circuit for said electro-magnetically operated signal switch operator and which includes a normally open switch under control of the said electro-magnetically operated switch operator and excludes said pair of switches, whereby to provide a holding circuit for maintaining the said electro-magnetic signal switch operator energized independently of said pair of switches after initial energization by coincidental closing of said pair of switches, separate electro-magnetically operated devices for independently operating the last said switches, light wave responsive control devices for independently controlling operation of said last named electro-magnetic switch operators, and means for projecting light waves from side to side of a bowling alley above and parallel to the foul line thereof and below the top of a bowling ball rolled over the foul line, said light wave responsive control devices each being subject to projected light waves that will be intercepted by a bowling ball rolled over the foul line.

DESIGNS

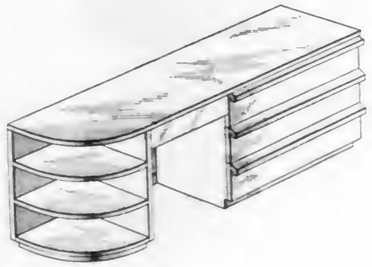
DECEMBER 7, 1948

151,948
DESIGN FOR AN AIRPLANE
Pablo M. Acosta, San Gabriel, Calif.
Application October 21, 1947, Serial No. 142,043
Term of patent 7 years
(Cl. D71—1)



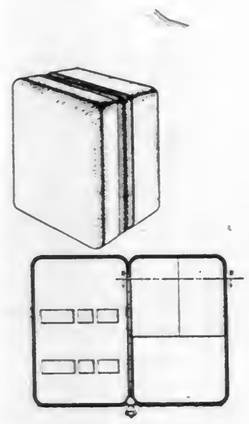
The ornamental design for an airplane, as shown.

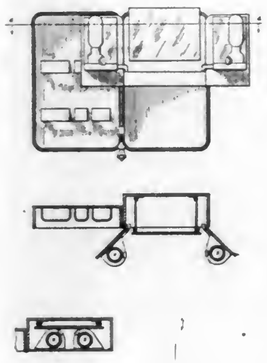
151,949
DESIGN FOR A COMBINED CHEST AND DESK
Dorothy B. Allen and Alan A. Allen,
Los Angeles, Calif.
Application March 25, 1947, Serial No. 137,868
Term of patent 3½ years
(Cl. D33—7)



The ornamental design for a combined chest and desk, substantially as shown and described.

151,950
DESIGN FOR AN ACCESSORY KIT
Sidney G. Anderson, San Francisco, Calif.
Application February 28, 1948, Serial No. 144,828
Term of patent 14 years
(Cl. D87—3)





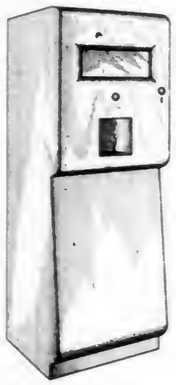
The ornamental design for an accessory kit, as shown.

151,951
DESIGN FOR A CONTOUR PROJECTOR OR THE LIKE
John T. Armbruster, Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 29, 1948, Serial No. 146,679
Term of patent 14 years
(Cl. D61—1)



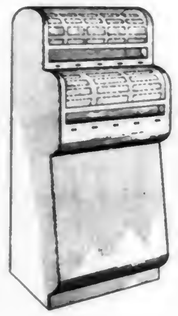
The ornamental design for a contour projector or the like, substantially as shown and described.

151,952
DESIGN FOR A CONFECTION VENDING MACHINE
George Babcock, Chicago, Ill., assignor to Wm. Wrigley Jr. Company, a corporation of Delaware
Application July 25, 1946, Serial No. 131,918
Term of patent 14 years
(Cl. D52—3)



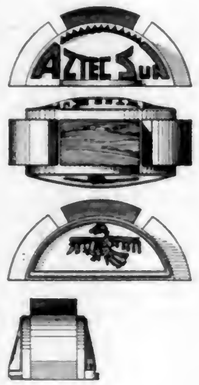
The ornamental design for a confection vending machine, as shown.

151,953
DESIGN FOR A CONFECTION VENDING MACHINE
George Babcock, Chicago, Ill., assignor to Wm. Wrigley Jr. Company, a corporation of Delaware
Application July 25, 1946, Serial No. 131,924
Term of patent 14 years
(Cl. D52—3)



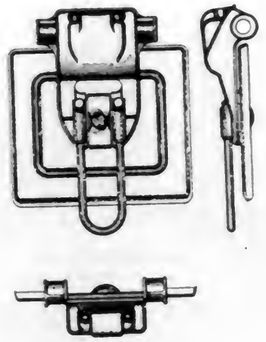
The ornamental design for a confection vending machine, as shown and described.

151,954
DESIGN FOR A JAR OR SIMILAR CONTAINER
Archie A. Baldocchi, San Francisco, Calif.
Application December 16, 1946, Serial No. 135,559
Term of patent 14 years
(Cl. D58—25)



The ornamental design for a jar or similar container, as shown.

151,955
DESIGN FOR A JOURNAL BOX LID FOR RAILWAY CARS
Donald S. Barrows, Rochester, N. Y.
Application January 29, 1947, Serial No. 136,494
Term of patent 14 years
(Cl. D66—2)



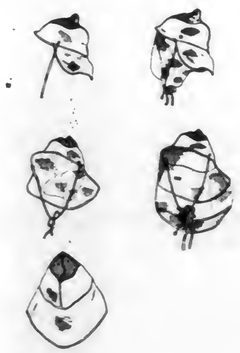
The ornamental design for a journal box lid for railway cars, as shown.

151,956
DESIGN FOR A BOX FOR COSMETICS OR THE LIKE
Georges Baud, Paris, France
Application August 21, 1946, Serial No. 132,709
Term of patent 14 years
(Cl. D58—12)



The ornamental design for a box for cosmetics or the like, substantially as shown.

151,957
DESIGN FOR A PROTECTIVE HEAD COVERING
Barbara J. Boeringer, Minneapolis, Minn.
Application May 18, 1946, Serial No. 129,848
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a protective head covering, as shown.

151,958
DESIGN FOR A NECKLACE OR THE LIKE
Herman Bogoff, Chicago, Ill.
Application December 6, 1947, Serial No. 142,988
Term of patent 7 years
(Cl. D45—16)



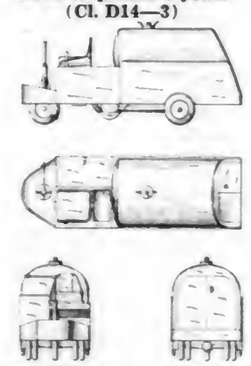
The ornamental design for a necklace or the like, substantially as shown.

151,959
DESIGN FOR A DESK UNIT
Bailey T. Bowers, Chicago, Ill.
Application May 27, 1947, Serial No. 139,301
Term of patent 14 years
(Cl. D74—1)



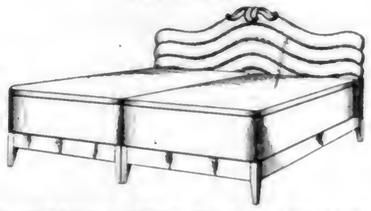
The ornamental design for a desk unit, substantially as shown.

151,960
DESIGN FOR A TANK VEHICLE
George A. Brasfield, Berkeley, Calif.
Application April 14, 1947, Serial No. 138,359
Term of patent 7 years
(Cl. D14—3)



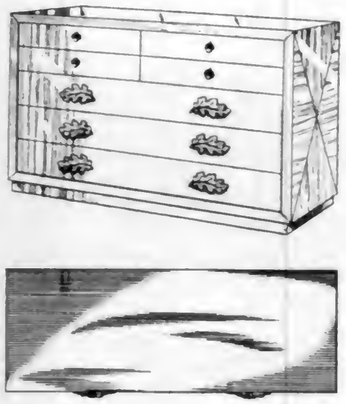
The ornamental design for a tank vehicle, substantially as shown.

151,961
DESIGN FOR A BED
Anthony J. Buckner, New York, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application March 29, 1947, Serial No. 138,045
Term of patent 7 years
(Cl. D5—4)



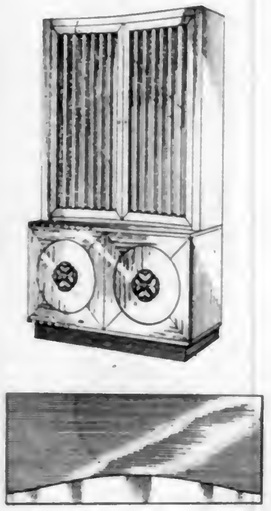
The ornamental design for a bed, substantially as shown.

151,962
DESIGN FOR A COMMODE
Anthony J. Buckner, New York, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application March 29, 1947, Serial No. 138,047
Term of patent 7 years
(Cl. D33—6)



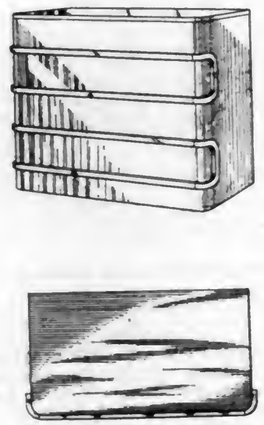
The ornamental design for a commode, substantially as shown and described.

151,963
DESIGN FOR A CABINET
Anthony J. Buckner, New York, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application March 29, 1947, Serial No. 138,049
Term of patent 7 years
(Cl. D33—19)



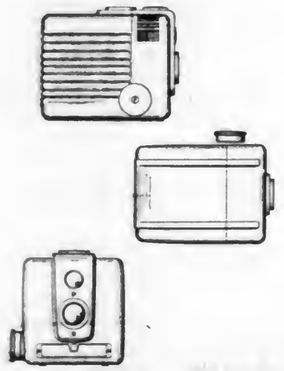
The ornamental design for a cabinet, substantially as shown and described.

151,964
DESIGN FOR A COMMODE
Anthony J. Buckner, New York, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application March 29, 1947, Serial No. 138,050
Term of patent 7 years
(Cl. D33—6)

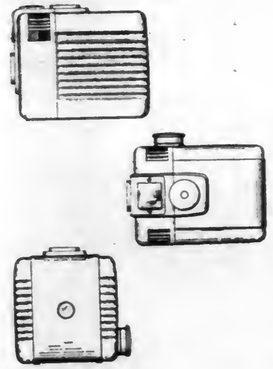


The ornamental design for a commode, substantially as shown and described.

151,965
DESIGN FOR A BOX CAMERA
Arthur H. Crapsey, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 26, 1948, Serial No. 148,316
Term of patent 14 years
(Cl. D61—1)

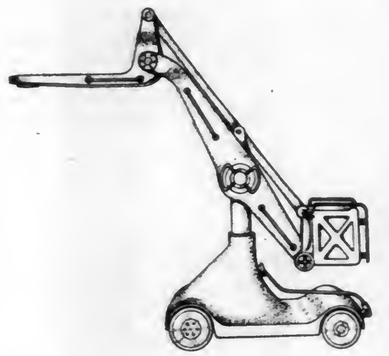


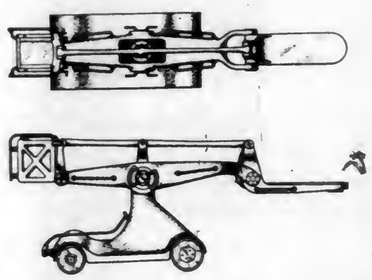
151,965—Continued



The ornamental design for a box camera, as shown.

151,966
DESIGN FOR A CAMERA BOOM
André Crot, Topanga, Calif., assignor to Motion Picture Research Council, Inc., Hollywood, Calif., a corporation of California
Application July 19, 1948, Serial No. 147,655
Term of patent 14 years
(Cl. D61—1)





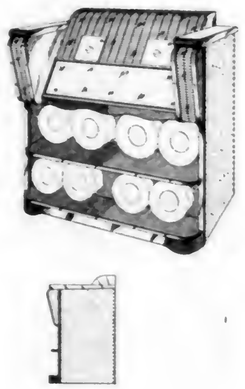
The ornamental design for a camera boom, as shown.

151,967
DESIGN FOR A CHAIR
Jack B. Cunningham, North Hollywood, Calif.
Application February 24, 1947, Serial No. 137,109
Term of patent 3½ years
(Cl. D15—1)



The ornamental design for a chair, as shown.

151,968
DESIGN FOR A CABINET FOR SHOE SHINING MACHINES
Carl E. Danielson, North Sacramento, Calif.
Application April 16, 1948, Serial No. 145,768
Term of patent 14 years
(Cl. D9—2)



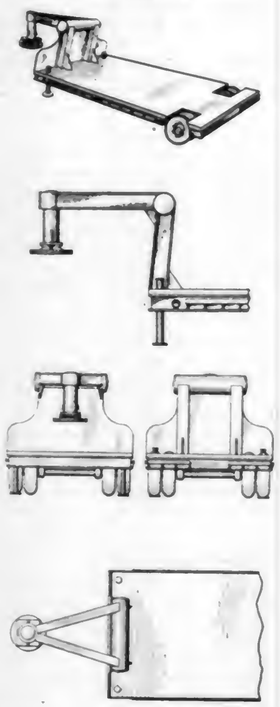
The ornamental design for a cabinet for shoe shining machines, as shown and described.

151,969
DESIGN FOR A BABY BED
Frances Perdue Davis, Atlanta, Ga.
Application April 19, 1947, Serial No. 138,507
Term of patent 14 years
(Cl. D5—5)



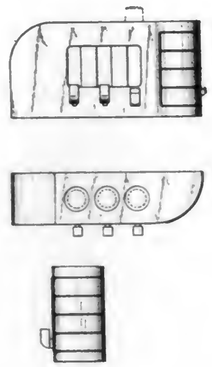
The ornamental design for a baby bed, as shown and described.

151,970
DESIGN FOR A SEMI-TRAILER
Ernest Ellberg, Warren, Pa., assignor to Benjamin F. Mead, Warren, Pa.
Application August 26, 1947, Serial No. 141,069
Term of patent 14 years
(Cl. D14—3)



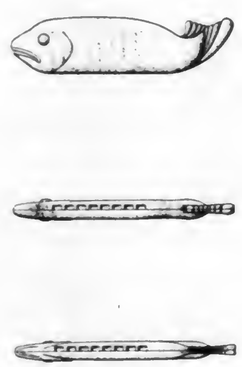
The ornamental design for a semi-trailer, substantially as shown.

151,971
DESIGN FOR A DISPLAY CASE FOR BOTTLES OR THE LIKE
Lewis Fine, St. Paul, Minn., assignor to Stuart Inc., St. Paul, Minn., a corporation of Minnesota
Application May 12, 1947, Serial No. 138,980
Term of patent 3½ years
(Cl. D80—5)



The ornamental design for a display case for bottles or the like, as shown and described.

151,972
DESIGN FOR A FISH TYPE HARMONICA
Samuel Freimauer and Jack Skoloff, Hillside, N. J.
Application August 16, 1947, Serial No. 140,924
Term of patent 14 years
(Cl. D56—1)



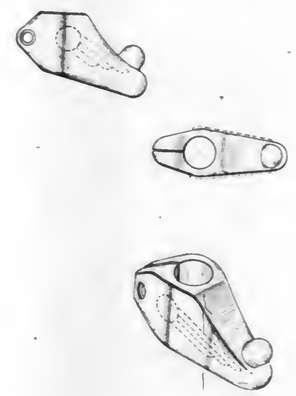
The ornamental design for a fish type harmonica, as shown.

151,973
DESIGN FOR A PRY-OFF TYPE CONTAINER CAP REMOVING TOOL
Lawrence P. Frettoloso, Brooklyn, N. Y., assignor to Udall & Landan Manufacturing Co. Inc., New York, N. Y., a corporation of New York
Application January 4, 1947, Serial No. 135,942
Term of patent 3½ years
(Cl. D44—29)



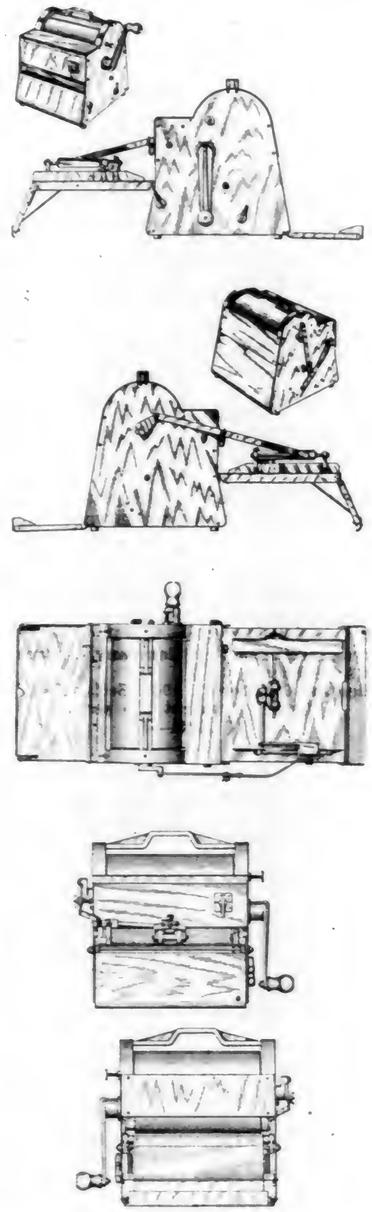
The ornamental design for a pry-off type container cap removing tool, as shown.

151,974
DESIGN FOR A BUMPER ENGAGING MEMBER FOR AN AUTOMOBILE JACK
Ralph Gambardella, Warwick, R. I., assignor to Narragansett Machine Company, a corporation of Rhode Island
Application October 23, 1946, Serial No. 134,180
Term of patent 3½ years
(Cl. D41—1)



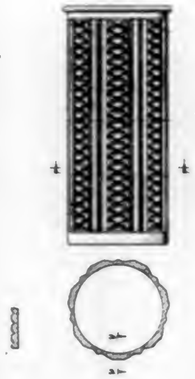
The ornamental design for a bumper engaging member for an automobile jack, substantially as shown and described.

151,975
DESIGN FOR A DUPLICATING MACHINE
Arthur H. Geib, Milwaukee, Wis.
Application May 13, 1947, Serial No. 139,019
Term of patent 7 years
(Cl. D64—11)



The ornamental design for a duplicating machine, as shown and described.

151,976
DESIGN FOR A GLASS JAR
Harry C. Gessler, Brooklyn, N. Y., assignor to Medco Products, Inc., North Bergen, N. J., a corporation of New Jersey
Application July 10, 1946, Serial No. 131,441
Term of patent 14 years
(Cl. D58—25)



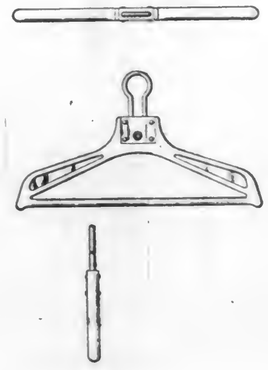
The ornamental design for a glass jar, substantially as shown.

151,977
DESIGN FOR A COMBINATION FIGURINE AND BEVERAGE SET
Zilpah Corn Gifford, Oakland, Calif.
Application April 28, 1947, Serial No. 138,658
Term of patent 7 years
(Cl. D44—24)



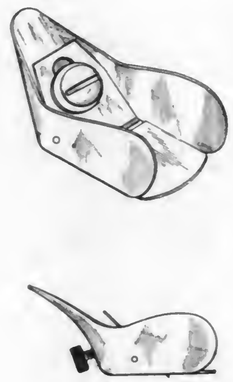
The ornamental design for a combination figurine and beverage set, substantially as shown.

151,978
DESIGN FOR A GARMENT HANGER
Mike A. Glavies, Campbell, Ohio
Application April 18, 1947, Serial No. 138,485
Term of patent 14 years
(Cl. D80—8.5)



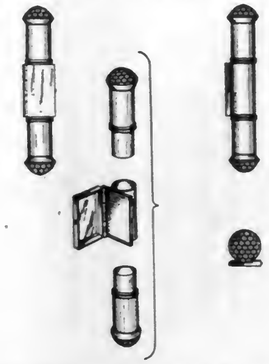
The ornamental design for a garment hanger, as shown and described.

151,979
DESIGN FOR A CARPENTER'S PLANE
Rene Gouirand, New York, N. Y.
Application January 21, 1947, Serial No. 136,270
Term of patent 3½ years
(Cl. D93—4)



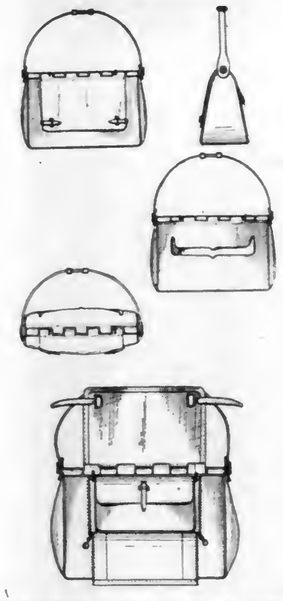
The ornamental design for a carpenter's plane, as shown and described.

151,980
DESIGN FOR A COMBINED TWIN LIPSTICK CASE AND MIRROR COMPARTMENT OR THE LIKE
Elizabeth N. Graham, New York, N. Y.
Application September 11, 1947, Serial No. 141,314
Term of patent 14 years
(Cl. D86—10)



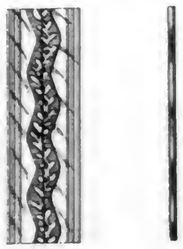
The ornamental design for a combined twin lipstick case and mirror compartment or the like, substantially as shown.

151,981
DESIGN FOR A COMBINED AIR TRAVEL BAG AND COSMETIC CASE
Elizabeth N. Graham, New York, N. Y.
Application January 8, 1948, Serial No. 143,589
Term of patent 14 years
(Cl. D87—3)



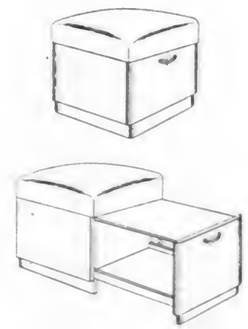
The ornamental design for a combined air travel bag and cosmetic case, substantially as shown and described.

151,982
DESIGN FOR A TAPE OR SIMILAR ARTICLE
James V. Granitto, Milford, Conn., assignor to The A. J. Donahue Corporation, Milford, Conn., a corporation of Connecticut
Application June 3, 1947, Serial No. 139,423
Term of patent 14 years
(Cl. D3—32)



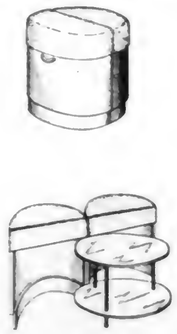
The ornamental design for a tape or similar article, as shown.

151,983
DESIGN FOR A COMBINATION HASSOCK AND COFFEE TABLE
Gabriel C. Guertin, Boston, Mass.
Application April 10, 1947, Serial No. 138,280
Term of patent 3½ years
(Cl. D15—8)



The ornamental design for a combination hassock and coffee table, substantially as shown and described.

151,984
DESIGN FOR A COMBINATION CIRCULAR HASSOCK AND COFFEE TABLE
Gabriel C. Guertin, Boston, Mass.
Application April 10, 1947, Serial No. 138,281
Term of patent 3½ years
(Cl. D15—8)



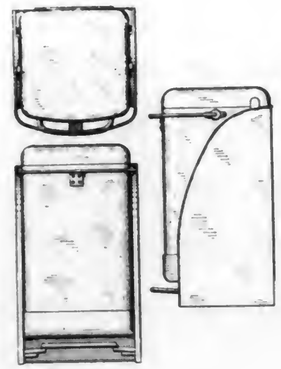
The ornamental design for a combination circular hassock and coffee table, substantially as shown and described.

151,985
DESIGN FOR A FEED CARRIER
Simon A. Halls, Zumbrota, Minn.
Application August 13, 1947, Serial No. 140,847
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a feed carrier, as shown.

151,986
DESIGN FOR A WASTE CAN
Bertis F. Hamilton, Columbus, Ind.
Application March 6, 1947, Serial No. 137,399
Term of patent 14 years
(Cl. D58—22)



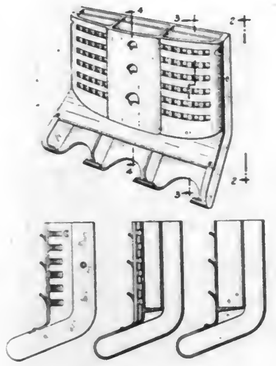
The ornamental design for a waste can, as shown.

151,987
DESIGN FOR A WATER HEATER
Jon W. Hauser, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 8, 1947, Serial No. 137,460
Term of patent 14 years
(Cl. D81—2)



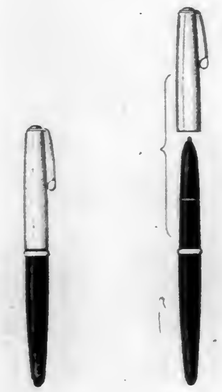
The ornamental design for a water heater, substantially as shown and described.

151,988
DESIGN FOR A DENTAL DISPENSING UNIT
Fred J. Hayman, Forest Hills, N. Y.
Application October 28, 1946, Serial No. 134,343
Term of patent 7 years
(Cl. D52—2)



The ornamental design for a dental dispensing unit, substantially as shown.

151,989
DESIGN FOR A BALL POINT FOUNTAIN PEN
Mahlon Edward Hirsch, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application July 1, 1947, Serial No. 140,040
Term of patent 3½ years
(Cl. D74—17)



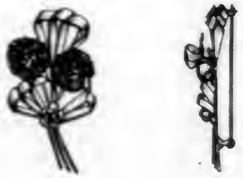
The ornamental design for a ball point fountain pen, as shown and described.

151,990
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application July 24, 1948, Serial No. 147,765
Term of patent 3½ years
(Cl. D45—19)



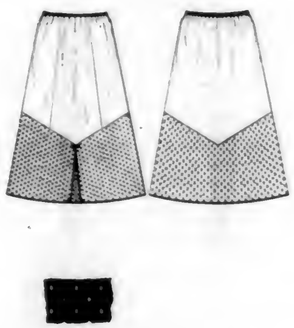
The ornamental design for a brooch or similar article, substantially as shown.

151,991
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application September 10, 1948, Serial No. 148,532
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

151,992
DESIGN FOR A SLIP
Norman Hochbaum, New York, N. Y.
Application January 21, 1948, Serial No. 143,951
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a slip, as shown.

151,993
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR SIMILAR ARTICLE
Viola T. Howard, Saylesville, R. I., assignor to Swank, Inc., a corporation of Delaware
Application November 14, 1947, Serial No. 142,538
Term of patent 14 years
(Cl. D64—12)



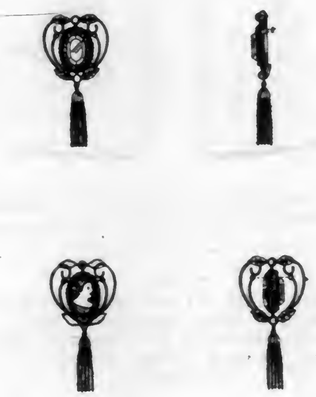
The ornamental design for an alphabet for forming monograms or similar article, substantially as shown.

151,994
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR SIMILAR ARTICLE
Viola T. Howard, Saylesville, R. I., assignor to Swank, Inc., a corporation of Delaware
Application November 14, 1947, Serial No. 142,539
Term of patent 14 years
(Cl. D64—12)



The ornamental design for an alphabet for forming monograms or similar article, substantially as shown.

151,995
DESIGN FOR A REVOLVING BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1948, Serial No. 148,149
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a revolving brooch or similar article, substantially as shown and described.

151,996
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 21, 1948, Serial No. 148,239
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

151,997
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 2, 1948, Serial No. 148,421
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

151,998
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 2, 1948, Serial No. 148,422
Term of patent 7 years
(Cl. D45—19)



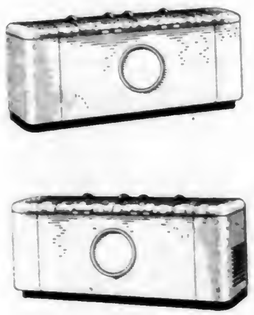
The ornamental design for a separable brooch or similar article, substantially as shown.

151,999
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 2, 1948, Serial No. 148,423
Term of patent 7 years
(Cl. D45—19)



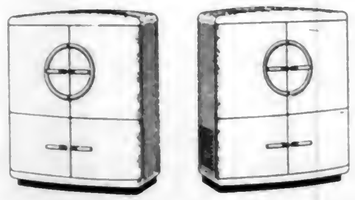
The ornamental design for a separable brooch or similar article, substantially as shown.

152,000
DESIGN FOR A FREEZER CHEST CABINET
Theodore H. Koeber, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 29, 1947, Serial No. 138,032
Term of patent 14 years
(Cl. D67—3)



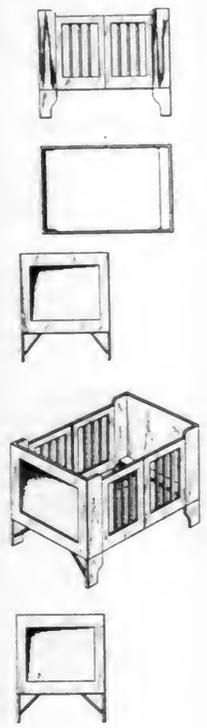
The ornamental design for a freezer chest cabinet, as shown.

152,001
DESIGN FOR A COMBINATION REFRIGERATOR AND COOLER CABINET
Theodore H. Koeber, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 29, 1947, Serial No. 138,033
Term of patent 14 years
(Cl. D67—3)



The ornamental design for a combination refrigerator and cooler cabinet, as shown.

152,002
DESIGN FOR A COLLAPSIBLE CRIB
Althea W. Kunz, Minneapolis, Minn.
Application March 10, 1947, Serial No. 137,498
Term of patent 7 years
(Cl. D5—5)



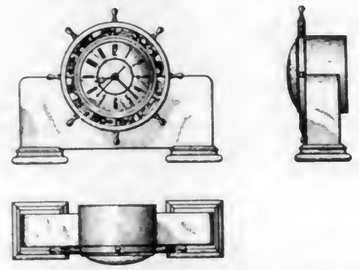
The ornamental design for a collapsible crib, as shown.

152,003
DESIGN FOR A LIPSTICK CASE OR SIMILAR ARTICLE
William H. Leavin, New York, N. Y., assignor to Hampden Sales Associates, Inc., New York, N. Y.
Application November 7, 1947, Serial No. 142,385
Term of patent 7 years
(Cl. D86—10)



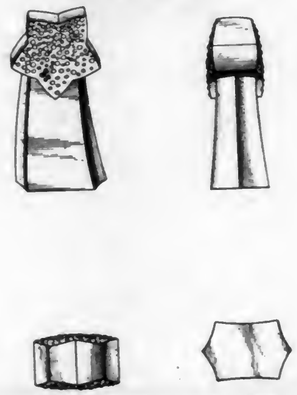
The ornamental design for a lipstick case or similar article, substantially as shown and described.

152,004
DESIGN FOR A CLOCK
Ben Lerman, Chicago, Ill.
Application January 22, 1947, Serial No. 136,299
Term of patent 3½ years
(Cl. D42—7)



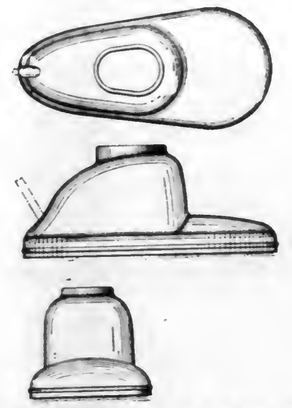
The ornamental design for a clock, substantially as shown.

152,005
DESIGN FOR A BOTTLE
Benjamin Lewis, New York, N. Y.
Application March 28, 1947, Serial No. 138,000
Term of patent 7 years
(Cl. D58—9)



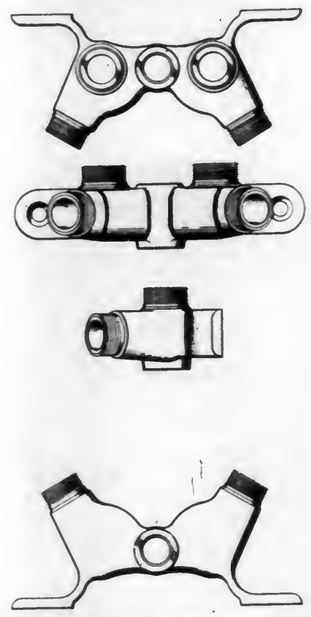
The ornamental design for a bottle, as shown.

152,006
DESIGN FOR A FLOOR RENOVATOR
Howard C. Lilly, Sharon, Mass., assignor to Masury-Young Company, Charlestown, Mass., a corporation of Massachusetts
Application August 6, 1947, Serial No. 140,734
Term of patent 3½ years
(Cl. D9—2)



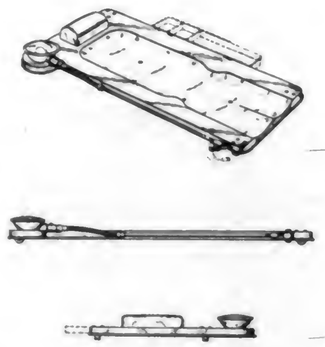
The ornamental design for a floor renovator, substantially as shown.

152,007
DESIGN FOR A CASING FOR SHOWER VALVE
Hugh H. Logan, La Canada, Calif.
Application November 14, 1946, Serial No. 134,790
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a casing for shower valve, substantially as shown.

152,008
DESIGN FOR A UTILITY CREEPER WITH ILLUMINATOR OR THE LIKE
Stephen J. Lucas, Chicago, Ill.
Application June 25, 1947, Serial No. 139,906
Term of patent 14 years
(Cl. D14—3)



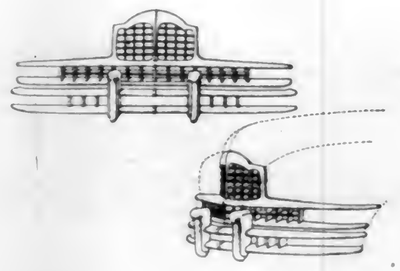
The ornamental design for a utility creeper with illuminator or the like, as shown and described.

152,009
DESIGN FOR A PROTECTOR FOR BABY'S SHOE
Verne L. Lyons, Minneapolis, Minn.
Application May 20, 1947, Serial No. 139,147
Term of patent 7 years
(Cl. D7—4)



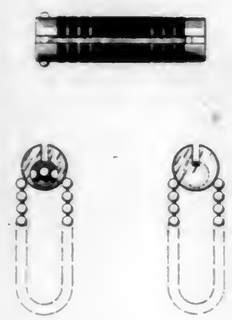
The ornamental design for a protector for baby's shoe, as shown and described.

152,010
DESIGN FOR A COMBINED AUTOMOBILE GRILLE AND BUMPER ASSEMBLY OR SIMILAR ARTICLE
Edward Macauley, Grosse Pointe Farms, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 12, 1947, Serial No. 139,624
Term of patent 14 years
(Cl. D14—18)



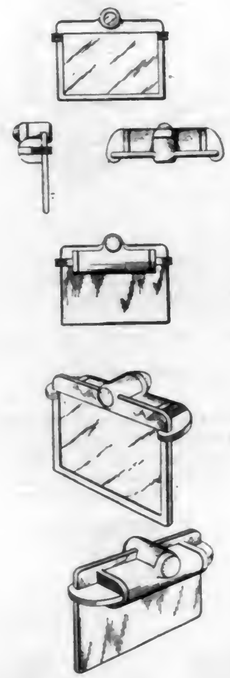
The ornamental design for a combined automobile grille and bumper assembly or similar article, substantially as shown and described.

152,011
DESIGN FOR A COMBINED SKATE SHARPENER AND CHAIN
Matthew J. McGoey, Middle Village, N. Y.
Application December 11, 1947, Serial No. 143,100
Term of patent 14 years
(Cl. D9—6)



The ornamental design for a combined skate sharpener and chain, as shown and described.

152,012
DESIGN FOR A COMBINED LAMP AND MIRROR
Phillip E. Merrill and Oliver R. Titchenal, Santa Monica, Calif.
Application August 26, 1947, Serial No. 141,076
Term of patent 14 years
(Cl. D86—10)



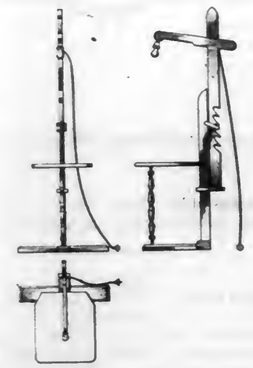
The ornamental design for a combined lamp and mirror, substantially as shown.

152,013
DESIGN FOR A FURNITURE BASE OR SIMILAR ARTICLE
George H. Mildwoff, New York, N. Y.
Application March 15, 1947, Serial No. 137,635
Term of patent 3½ years
(Cl. D33—1)



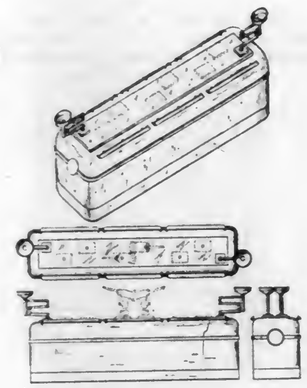
The ornamental design for a furniture base or similar article, substantially as shown.

152,014
DESIGN FOR A LAMP STAND
Marshall Engler Miller, Catasauqua, Pa.
Application October 10, 1947, Serial No. 141,863
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp stand, as shown.

152,015
DESIGN FOR AN EXTENSION OIL DRAIN OR SIMILAR ARTICLE
Willard C. Moore, Dayton, Ohio
Application September 20, 1946, Serial No. 133,453
Term of patent 3½ years
(Cl. D52—2)



The ornamental design for an extension oil drain or similar article, as shown and described.

152,016
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 27, 1948, Serial No. 148,325
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

152,017
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application August 31, 1948, Serial No. 148,384
Term of patent 7 years
(Cl. D45—16)



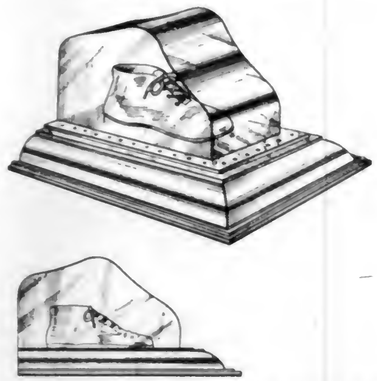
The ornamental design for a necklace or similar article, substantially as shown.

152,018
DESIGN FOR A STOCKING
Benjamin Franklin Playford, Cape May, N. J.
Application March 24, 1948, Serial No. 145,326
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown and described.

152,019
DESIGN FOR A BOOK END
David Rego, Fall River, Mass.
Application April 9, 1947, Serial No. 138,261
Term of patent 7 years
(Cl. D33—1)



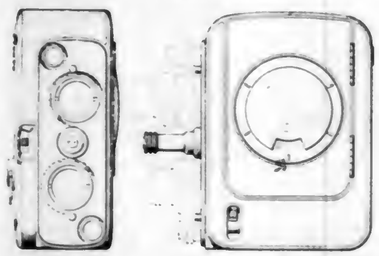
The ornamental design for a book end, as shown.

152,020
DESIGN FOR A RING OR THE LIKE
Stephen Anthony Reichmuth, St. Louis, Mo.
Application September 12, 1946, Serial No. 133,261
Term of patent 14 years
(Cl. D45—10)

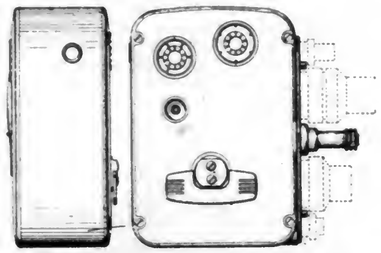


The ornamental design for a ring or the like, substantially as shown and described.

152,021
DESIGN FOR A PHOTOGRAPHIC CAMERA
Jean O. Reinecke, Oak Park, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application January 20, 1948, Serial No. 143,917
Term of patent 14 years
(Cl. D61—1)

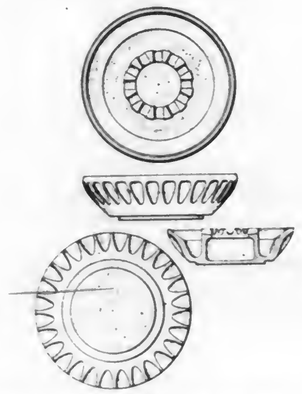


152,021—Continued



The ornamental design for a photographic camera, as shown and described.

152,022
DESIGN FOR AN ASH TRAY
Louis A. Revell, Los Angeles, Calif.
Application March 10, 1947, Serial No. 137,489
Term of patent 14 years
(Cl. D85—2)



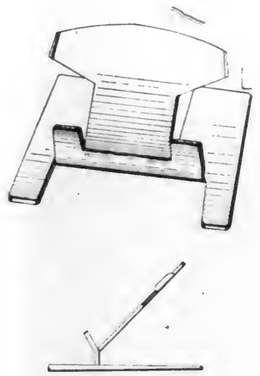
The ornamental design for an ash tray, substantially as shown.

152,023
DESIGN FOR A LAWN SEAT
Robert M. Rink, Goshen, Ind., assignor to The Goshen Manufacturing Company, Goshen, Ind., a corporation of Indiana
Application July 12, 1946, Serial No. 131,526
Term of patent 14 years
(Cl. D15—1)



The ornamental design for a lawn seat, as shown.

152,024
DESIGN FOR A SUPPORT FOR A SADIRON
Michael A. Rollman, Landisville, Pa.
Application October 8, 1947, Serial No. 141,803
Term of patent 14 years
(Cl. D49—6)



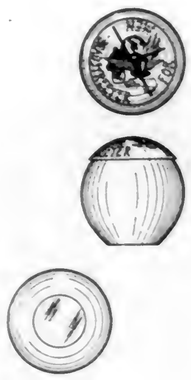
The ornamental design for a support for a sadiron, as shown and described.

152,025
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Morris W. Rosen, New York, N. Y., assignor to Morrison Knitwear Co., Inc., Brooklyn, N. Y., a corporation of New York
Application February 4, 1948, Serial No. 144,281
Term of patent 7 years
(Cl. D3—4)



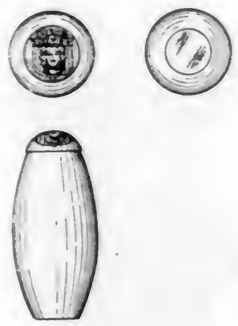
The ornamental design for a sweater or similar article, as shown.

152,026
DESIGN FOR A COSMETIC CONTAINER
Pearl L. Schluttig, Kansas City, Mo.
Application November 19, 1946, Serial No. 134,888
Term of patent 7 years
(Cl. D58—8)



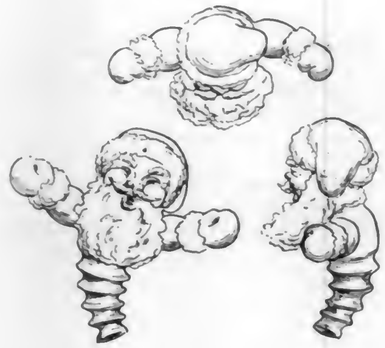
The ornamental design for a cosmetic container, as shown.

152,027
DESIGN FOR A COSMETIC CONTAINER
Pearl L. Schluttig, Kansas City, Mo.
Application November 19, 1946, Serial No. 134,889
Term of patent 7 years
(Cl. D58—8)



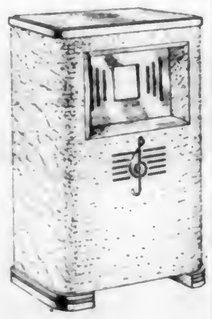
The ornamental design for a cosmetic container, as shown.

152,028
DESIGN FOR A CHRISTMAS TREE ORNAMENT
Elmer J. Schwartzman, Baltimore, Md.
Application January 24, 1947, Serial No. 136,367
Term of patent 14 years
(Cl. D29—1)



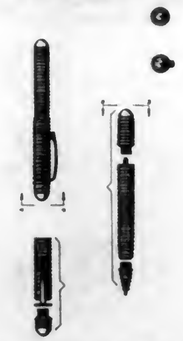
The ornamental design for a Christmas tree ornament, as shown.

152,029
DESIGN FOR A RADIO CABINET
Hal G. Sherry, Pasadena, Calif.
Application May 10, 1947, Serial No. 138,964
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a radio cabinet as shown.

152,030
DESIGN FOR A WRITING INSTRUMENT
Irving Shupack, Forest Hills, Long Island, N. Y.
Application June 4, 1947, Serial No. 139,449
Term of patent 7 years
(Cl. D74—17)



The ornamental design for a writing instrument, as shown.

152,031
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Victor Silson, New York, N. Y.
Application May 15, 1948, Serial No. 146,389
Term of patent 3½ years
(Cl. D45—19)



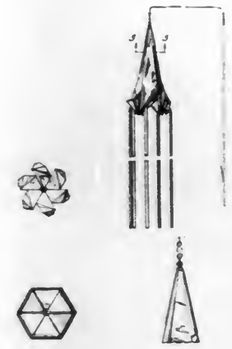
The ornamental design for a brooch or similar article, substantially as shown.

152,032
DESIGN FOR A WHIRLING TOY
Dorothy M. Smith, Santa Barbara, Calif.
Application May 2, 1947, Serial No. 138,751
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a whirling toy, as shown and described.

152,033
DESIGN FOR A STREAMER TOY
Dorothy M. Smith, Santa Barbara, Calif.
Application May 2, 1947, Serial No. 138,752
Term of patent 14 years
(Cl. D34—15)



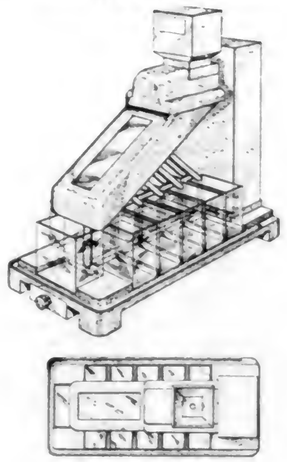
The ornamental design for a streamer toy, as shown and described.

152,034
DESIGN FOR A FLOWER STAND
Frank F. Solak, Klamath Falls, Oreg.
Application November 20, 1947, Serial No. 142,678
Term of patent 14 years
(Cl. D35—3)



The ornamental design for a flower stand, as shown.

152,035
DESIGN FOR A BALL-BEARING SEPARATOR
John E. Sonnhalter, South Euclid, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application August 29, 1946, Serial No. 132,950
Term of patent 3½ years
(Cl. D52—1)



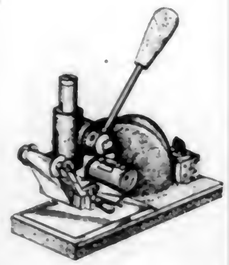
The ornamental design for a ball-bearing separator, substantially as shown.

152,036
DESIGN FOR A LOCK FOR HANDBAGS OR THE LIKE
Robert T. Sporman, Essex County, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a corporation of Delaware
Application March 13, 1947, Serial No. 137,581
Term of patent 3½ years
(Cl. D87—2)



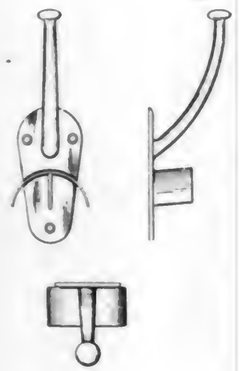
The ornamental design for a lock for handbags or the like, as shown and described.

152,037
DESIGN FOR A HOT STAMPING MACHINE
James A. Stadler, New Brunswick, N. J., assignor to Lion Monogram Machine Company, San Francisco, Calif., a corporation of California
Application April 14, 1947, Serial No. 138,352
Term of patent 7 years
(Cl. D64—10)



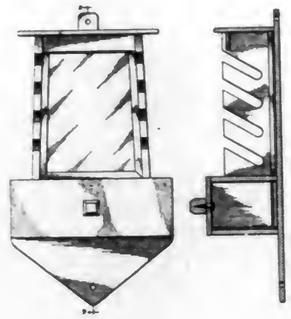
The ornamental design for a hot stamping machine, as shown.

152,038
DESIGN FOR A COAT AND HAT RACK
Anton Stauber, Chicago, Ill.
Application August 6, 1947, Serial No. 140,716
Term of patent 3½ years
(Cl. D17—12)



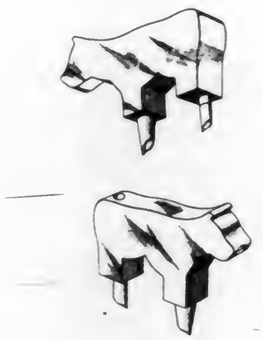
The ornamental design for a coat and hat rack, as shown.

152,039
DESIGN FOR A COMBINED COMB HOLDER AND WALL CABINET
Samuel Strick, New York, N. Y.
Application February 11, 1947, Serial No. 136,839
Term of patent 7 years
(Cl. D4—3)



The ornamental design for a combined comb holder and wall cabinet, as shown.

152,040
DESIGN FOR A DISPENSER FOR CANNED LIQUIDS
Francis J. Strodel, Liverpool, N. Y.
Application October 22, 1947, Serial No. 142,087
Term of patent 7 years
(Cl. D22—2)



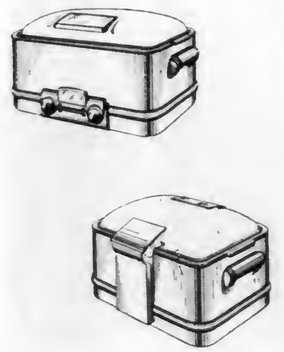
The ornamental design for a dispenser for canned liquids, as shown.

152,041
DESIGN FOR A LAMP
John James Stupka and John Venekamp, Chicago, Ill.
Application January 27, 1947, Serial No. 136,448
Term of patent 3½ years
(Cl. D48—20)



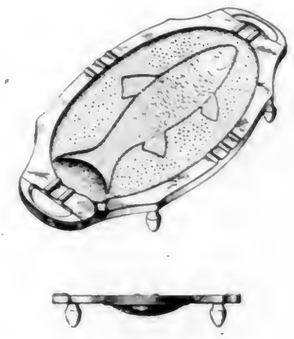
The ornamental design for a lamp, substantially as shown.

152,042
DESIGN FOR AN ELECTRIC ROASTER
Carl W. Sundberg and Montgomery Ferar, Detroit, Mich., assignors to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application February 10, 1947, Serial No. 136,804
Term of patent 14 years
(Cl. D81—10)



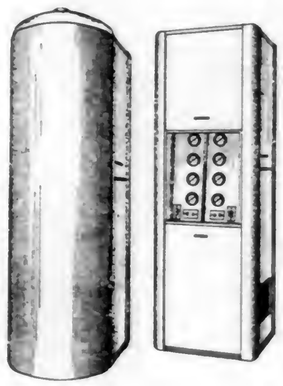
The ornamental design for an electric roaster, as shown.

152,043
DESIGN FOR A BROILER BASE
Henry J. Talge, Kansas City, Mo., assignor to John C. Hockery, Kansas City, Mo., trustee for Henry J. Talge and Foster L. Talge
Application April 15, 1946, Serial No. 128,605
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a broiler base, substantially as shown and described.

152,044
DESIGN FOR A STEAM SYSTEM CONTROL UNIT FOR RETURN OF CONDENSATE TO BOILER
Louin Tiller, Chicago, Ill.
Application August 21, 1947, Serial No. 140,971
Term of patent 14 years
(Cl. D81—2)



The ornamental design for a steam system control unit for return of condensate to boiler, substantially as shown.

152,045
DESIGN FOR A COMBINATION TWIN WALKER AND STROLLER FOR CHILDREN
John R. Vibber, Kennewick, Wash.
Application July 11, 1947, Serial No. 140,223
Term of patent 7 years
(Cl. D14—3)



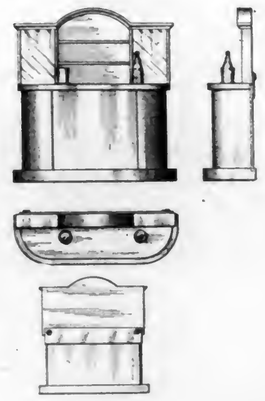
The ornamental design for a combination twin walker and stroller for children, as shown and described.

152,046
DESIGN FOR A BEACH SANDAL BASE
Alan B. Vickers, San Jose, Calif.
Application July 1, 1947, Serial No. 140,048
Term of patent 3½ years
(Cl. D7—5)



The ornamental design for a beach sandal base, substantially as shown.

152,047
DESIGN FOR A CIGARETTE DISPENSER
Daniel Volpe, New York, N. Y.
Application September 19, 1946, Serial No. 133,414
Term of patent 3½ years
(Cl. D85—2)



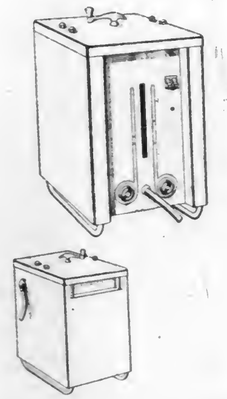
The ornamental design for a cigarette dispenser, substantially as shown.

152,048
DESIGN FOR A SCOURING PAD HOLDER
Alexander C. Weiss, Chicago, Ill.
Application November 27, 1946, Serial No. 135,135
Term of patent 7 years
(Cl. D9—2)



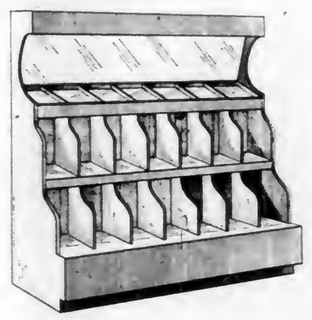
The ornamental design for a scouring pad holder, as shown.

152,049
DESIGN FOR A WELDER
Alanson U. Welch, Jr., West Springfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 17, 1947, Serial No. 139,094
Term of patent 14 years
(Cl. D26—5)



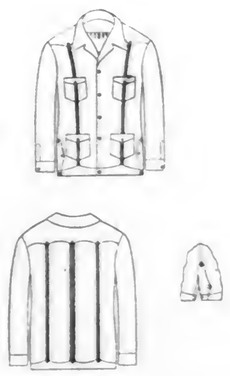
The ornamental design for a welder, substantially as shown.

152,050
DESIGN FOR A SHOWCASE
William A. Yantis, St. Joseph, Mo., assignor to Chase Candy Company, St. Joseph, Mo.
Application May 20, 1946, Serial No. 129,899
Term of patent 14 years
(Cl. D80—11)



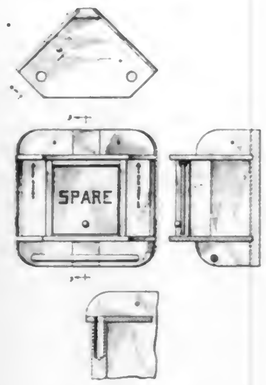
The ornamental design for a showcase, as shown and described.

152,051
DESIGN FOR A SHIRT OR SIMILAR ARTICLE
Vincent Zito, New York, N. Y.
Application August 17, 1946, Serial No. 132,600
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a shirt or similar article, as shown.

152,052
DESIGN FOR A COMBINATION HANGING CORNER TOILET TISSUE CABINET AND UTILITY HOLDER
Joseph Zwart, Rockville Centre, N. Y.
Application April 29, 1947, Serial No. 138,682
Term of patent 3½ years
(Cl. D4—3)



The ornamental design for a combination hanging corner toilet tissue cabinet and utility holder, as shown.

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December 14, 1948 Volume 617 Number 2

Official Gazette

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Patents expiring: Patent Numbers 1,836,001 to 1,837,185, inclusive, issued December 15, 1931, expire December 15, 1948

Condition of Applications Under Examination at Close of Business Nov. 19, 1948

Total number of patent applications awaiting action, 153,355. Date of oldest new application, October 29, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	6-16-47	5-12-47	2808
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-17-47	10-3-46	2938
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	2-20-48	2-25-48	1303
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	3-27-47	2-8-47	4190
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	6-17-47	12-23-46	1696
6. SURLE, H., Carbon Chemistry (part)	12-4-47	11-19-47	1757
7. HANLIN, GEORGE, Optics; Photographic Apparatus	2-24-48	11-12-47	1623
8. LEWIS, R. O., (Acting), Furniture; Racks and Cabinets	4-3-47	11-27-46	4428
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-9-47	2-24-47	2453
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	2-21-48	2-6-48	1562
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	1-24-48	2-26-48	806
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	11-28-47	9-28-46	2268
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	11-8-46	12-12-46	2422
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	2-6-48	11-6-47	1332
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	7-22-47	5-15-47	2068
16. LOVEWELL, N. N., Television; Telephony	1-7-48	8-15-47	1583
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-26-47	10-25-46	2096
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	8-27-47	10-2-46	2067
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-26-47	2-3-47	1868
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	5-6-47	1-31-47	2070
21. MADER, R. C., Textiles	12-9-47	10-15-47	1249
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	1-9-48	1-3-47	1555
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-2-48	12-13-46	1153
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	10-17-47	9-24-47	2822
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors: Distillation.	2-21-48	3-3-47	1732
26. YOUNG, R. R., Electricity—Generation and Motive Power	2-26-48	3-7-47	1136
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	7-18-47	1-21-47	3635
28. BRAUNER, R. H., (Acting), Internal-Combustion Engine (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	12-29-47	10-28-47	975
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	4-4-47	3-31-47	3204
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	2-9-48	12-1-47	1529
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-9-48	3-10-48	2116
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	5-8-47	11-5-46	3178
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	3-17-47	12-10-46	3565
34. SAPERSTEIN, S., Electricity—Transmission of Vehicles; Railways; Track Sanders; Signals and Indicators	6-2-47	1-10-47	1466
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	7-9-47	12-11-46	3433
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-47	10-16-46	2017
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	3-5-48	4-24-47	1340
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	9-9-47	7-15-47	1662
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	6-16-47	10-2-46	3037
40. DRUMMOND, E. J., Receptacles (part); Packages	1-9-48	1-28-47	3252
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-11-48	11-15-46	2301
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	3-10-48	3-6-48	1195
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	2-2-48	1-3-48	1244
44. HARVEY, L. P., Refrigeration; Preserving	10-29-46	9-27-46	1129
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-17-47	11-22-46	2520
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-29-47	12-12-46	1837

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,355. Date of oldest new application, October 29, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	1-23-48	8-2-47	2163
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	2-24-48	6-12-47	1450
49. SHEFFIELD, E. L. Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	10-24-47	9-4-47	1570
50. LEVIN, SAMUEL, Synthetic Resins	3-5-48	11-26 47	2148
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	2-26-48	10-17-47	1751
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	11-17-47	1-7-47	3869
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	6-3-47	10-18-46	3582
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	2-23-48	8-7-47	1707
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	9-29-47	11-4-47	1882
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Heating and Illuminating Gas	2-12-48	12-9-47	975
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	6-4-47	2-4-47	3552
58. DOWELL, E. F., Abrading; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	3-18-47	2119
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	10-11-47	5-28-47	2056
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-5-48	10-1-47	1328
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	1-17-47	8-27-46	3804
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	8-26-47	10-26-46	1756
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	2-10-48	9-23-47	1255
64. NASH, P. M., Compositions—Coating or Plastic (part); Fuel and Miscellaneous	4-21-48	4-21-48	1491
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	2-24-48	8-11-47	2229
66. LISANN, L., Geometrical Instruments	9-2-47	4-16-46	2019
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	12-9-47	7-8-47	1952
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	3-27-47	9-30-47	1498
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	8-1-47	1-30-47	2076
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	2-27-48	7-18-47	163
DESIGNS: BREHM, G. L.	3-25-47	3-15-48	7340

Total number of trade-mark applications awaiting action (including renewals and republications), 37,986. Date of oldest new application, Oct. 8, 1947; date of oldest amended application, Mar. 27, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	1-13-48	6-25-48	3126
2. KASCHUB, H. E., Classes 2, 15, 30,33, 36, 46, 50	10-27-47	6-9-48	5756
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-8-47	6-15-48	4035
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-23-47	4-1-48	4465
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	11-4-47	5-18-48	3549
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-1-48	8-9-48	3235
7. KEYS, O. M., Classes 16, 19, 55	10-18-47	3-27-48	2165
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	10-15-48 / 12-1-47	10-24-48 / 10-21-48	112 / 10643

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Allied Synthetics Co., San Diego, Calif. Translucent panels. 547,957, Dec. 14. Class 12.

American Electrical Heater Company, Detroit, Mich. Electrical goods. Serial No. 534,501, Dec. 14. Class 21.

American Optical Company, Southbridge, Mass. Ophthalmic frames and mountings. Serial No. 549,487, Dec. 14. Class 26.

Anderson-Fluke Engineering Company, Springdale, Stamford, Conn. Electronic measuring instrument. Serial No. 550,647, Dec. 14. Class 26.

Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Thinner for paint, varnish and enamel. Serial No. 516,245, Dec. 14. Class 16.

Armstrong Cork Company, Lancaster, Pa. Graduates. Serial No. 549,407, Dec. 14. Class 26.

Armstrong, James, & Company Limited, London, England. Machines for washing, laundering, cleaning and pressing clothes, etc., and parts of all such machines. Serial No. 523,196, Dec. 14. Class 24.

Art-Rich Manufacturing Co., Dalton, Ga. Women's chenille and cotton robes. Serial No. 506,725, Dec. 14. Class 39.

Artistic Foundations, Inc., New York, N. Y. Girdles, corsets and brassières and combinations thereof. Serial No. 547,224, Dec. 14. Class 39.

Atlas Supply Company, Newark, N. J. Vulcanizing patch units. Serial No. 550,377, Dec. 14. Class 35.

Augstein, S., & Co., Inc., College Point, N. Y. Sportswear panties. Serial No. 546,171, Dec. 14. Class 39.

Aviatrix Co., New York, N. Y. Coiffeur retaining caps, protectors for the hair, caps, etc. Serial No. 494,004, Dec. 14. Class 39.

Ayer, Harriet Hubbard, Inc., New York, N. Y. Lipsticks. Serial No. 558,446, Dec. 14. Class 6.

Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Troches. Serial No. 553,335, Dec. 14. Class 6.

Ballantine, George, & Son Limited, Dumbarton, Scotland. Whiskey. Serial No. 523,509, Dec. 14. Class 49.

Bally's Shoe Factories Ltd., Schonewerd, Switzerland. Elastic webbing. Serial No. 521,106, Dec. 14. Class 42.

Bancroft, Joseph, & Sons Co., Rockford, Wilmington, Del. Cotton and rayon fibres. Serial No. 529,345, Dec. 14. Class 1.

Barry and Staines Linoleum (Canada) Limited, Farnham, Quebec, Canada. Linoleum for floor, wall, table, etc. Serial No. 516,528, Dec. 14. Class 20.

Bathasweet Corporation, New York, N. Y. Soap. Serial No. 550,777, Dec. 14. Class 4.

Beach Soap Company, Lawrence, Mass. Water soluble detergent composition. Serial No. 484,729, Dec. 14. Class 4.

Beneficial Industrial Loan Corporation, Wilmington, Del. Rendered in the small loan, instalment loan and instalment credit business. Serial No. 527,272, Dec. 14. Class 55.

Bertene Garcia Cigar Co.: *See*—
Simring, Simon.

Birtman Electric Company, Chicago, Ill. Electric domestic vacuum cleaners, electric space heaters and electric irons. Serial No. 538,232, De. 14. Class 21.

Bliss & Laughlin, Inc., Harvey, Ill. Gold finished bar steels. Serial No. 544,533. Dec. 14. Class 14.

Bohemian Distributing Company, doing business as International Products Company, Los Angeles, Calif. Whiskey. Serial No. 525,775, Dec. 14. Class 49.

Bone Dry Shoe Mfg. Co., Tacoma, Wash. Men's shoes. Serial No. 533,841, Dec. 14. Class 39.

Boorum & Pease Company, Brooklyn, N. Y. Spring-back memorandum sheet holders. Serial No. 533,128, Dec. 14. Class 37.

Borden Import Corp., New York, N. Y. Men's hats. Serial Nos. 519,797–8, Dec. 14. Class 39.

Borg, George W., Corporation, The, Chicago, Ill., and Delavan, Wis. Potentiometers. Serial No. 485,324, Dec. 14. Class 21.

Bosch Brewing Company, Houghton, Mich. Beer. Serial No. 539,484, Dec. 14. Class 48.

Boston Chemical Industries, Inc., Boston, Mass. Cleaning preparations. Serial No. 558,003, Dec. 14. Class 4.

Botany Mills, Inc., Passaic, N. J. Woolen fabrics in the piece. Serial No. 545,694, Dec. 14. Class 42.

Botany Mills, Inc., Passaic, N. J. Woolen fabrics in the piece. Serial No. 550,577, Dec. 14. Class 42.

Brockwal Glass Company, Inc., Brockway, Pa. Glass bottles. Serial No. 512,960, Dec. 14. Class 33.

Brockway Company, The, Naugatuck, Conn. Pipe fittings. Serial No. 516,952, Dec. 14. Class 13.

Brooks Bank Note Company, Springfield, Mass. Writing and printing paper. Serial No. 552,337, Dec. 14. Class 37.

Brown & Bigelow, St. Paul, Minn. Printed art materials. Serial No. 478,945, Dec. 14. Class 38.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes. Serial No. 542,076, Dec. 14. Class 17.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigars, cigarettes, smoking tobacco, etc. Serial No. 542,077, Dec. 14. Class 17.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Leather shake bottles. Serial No. 540,159, Dec. 14. Class 22.

Burberrys Limited, London, England. Piece goods. Serial No. 539,644, Dec. 14. Class 42.

Burdsal, A., Company, The, Indianapolis, Ind. Varnish, aluminum paint, automobile enamel, etc. Serial No. 526,604, Dec. 14. Class 16.

Burroughs Adding Machine Company, Detroit, Mich. Stationery and supplies. Serial No. 527,454, Dec. 14. Class 37.

Buscarlet Glove Company, Inc., New York, N. Y. Leather gloves. Serial No. 542,255, Dec. 14. Class 39.

C. M. Laboratory and Tool Co.: See—
Callaghan, James M.

Cadet Laboratories: *See*—
Miller, A. John.

California Cotton Mills Company, Oakland, Calif. Cotton twine. Serial No. 545,230, Dec. 14. Class 7.

Callaghan, James M., doing business as C. M. Laboratory and Tool Co., Chicago, Ill. Self-polishing floor wax. Serial No. 515,534, Dec. 14. Class 16.

Carlisle Tire & Rubber Company: *See*—
Pharis Tire and Rubber Company, The.

Carpenter Steel Company, The, Reading, Pa. Steel. Serial No. 524,764, Dec. 14. Class 14.

Carpenter Steel Company, The, Reading, Pa. Steel. Serial No. 524,772, Dec. 14. Class 14.

Causse Manufacturing & Importing Co., Bound Brook and Jersey City, N. J. Preserved diced mixed fruits and drained citron peel, lemon peel, and orange peel. Serial No. 538,606, Dec. 14. Class 46.

Central Industries, Inc., Watertown, Conn. Power-driven bench material working tools. Serial No. 508,573, Dec. 14. Class 23.

Central Scientific Company, Chicago, Ill. Lubricating grease, oils, petroleum wax. Serial No. 523,076, Dec. 14. Class 15.

Central Scientific Company, Chicago, Ill. Periodical publications; catalogues, and bulletins. Serial No. 523,078, Dec. 14. Class 38.

Cheerio Toys & Games Incorporated, assignee of Cheerio Toys & Games Limited, Lockport, N. Y. Toys and games. Serial No. 490,638, Dec. 14. Class 22.

Cheerio Toys & Games Limited: *See*—
Cheerio Toys & Games Incorporated.

Chicago and North Western Railway Company, Chicago, Ill. Railway freight and passenger transportation services. Serial No. 528,079, Dec. 14. Class 55.

Chicago Paints, Inc., Chicago, Ill. Varnishes. Serial No. 538,363, Dec. 14. Class 16.

Chicago Paints, Inc., Chicago, Ill. Ready-mixed house, barn, and floor paints. Serial No. 538,722, Dec. 14. Class 16.

Cleveland Dental Manufacturing Company, The, Cleveland, Ohio. Dental cutting tools. Serial No. 530,059, Dec. 14. Class 44.

Coast Envelope Company, Los Angeles, Calif. Small flat leather goods. Serial No. 548,332, Dec. 14. Class 3.

Coe Laboratories, Inc., Chicago, Ill. Dental impression material. Serial No. 549,884, Dec. 14. Class 44.

Columbia Sales Corporation, Pittsburgh, Pa. Storage batteries. Serial No. 540,256, Dec. 14. Class 21.

Compañía Comercial e Industrial Nicolás Merino, S. A., Habana, Cuba. Banana liquor. Serial No. 511,862, Dec. 14. Class 49.

Compania Vinicola del Norte de Espana, S. A., Bilbao, Spain. Wines. Serial No. 522,493, Dec. 14. Class 47.

Conley & True, Minneapolis, Minn. Supporting dolly for trailers. Serial No. 501,827, Dec. 14. Class 19.

Consolidated Vultee Aircraft Corporation, San Diego, Calif. Semi-solid lubricant. Serial No. 489,041, Dec. 14. Class 15.

Conti Products Corp., Brooklyn, N. Y. Soap. Serial No. 560,548, Dec. 14. Class 4.

Continental Carbon, Inc., Cleveland, Ohio. Electrical resistors. Serial No. 541,918, Dec. 14. Class 21.

Continental Paper Company, Ridgefield Park, N. J. Paperboard. Serial No. 524,379, Dec. 14. Class 37.

Continental Steel Corporation, Kokomo, Ind. Alloy steel in various shapes. Serial No. 552,360, Dec. 14. Class 14.

Crane Co., Chicago, Ill. Bolts, nuts, studs, and bolt-studs. Serial No. 528,701, Dec. 14. Class 13.

Crookes Laboratories, Inc., New York, N. Y. Antacid-antispasmodic preparation. Serial No. 549,516, Dec. 14. Class 6.

Crown Cork & Seal Company, Inc., Baltimore, Md. Caps for bottles, jars, cans, and the like. Serial No. 546,911, Dec. 14. Class 50.

Crown Zellerbach Corporation, doing business as The National Paper Products Sales Company, San Francisco, Calif. Interfolded toilet tissue. Serial No. 543,570, Dec. 14. Class 37.

Cudahy Packing Company, The, Chicago, Ill. Cleaning compound containing caustic soda. Serial No. 538,365, Dec. 14. Class 4.

Curtis, A. W., Jr., Detroit, Mich., doing business as A. W. Curtis Laboratories. Face creams. Serial No. 520,619, Dec. 14. Class 6.

Curtis, A. W., Laboratories: *See*—
Curtis, A. W., Jr.

Dallwood-Keldon Laboratories: *See*—
Gordon, Dorothy.

Dan River Mills, Incorporated, Danville, Va. Cotton piece goods. Serial No. 544,710, Dec. 14. Class 42.

Davison Chemical Corporation, The, Baltimore, Md. Car body undercoating and sound deadener in the nature of paint. Serial No. 522,484, Dec. 14. Class 16.

Delphos Bending Company, The, Delphos, Ohio. Wood furniture. Serial No. 539,033, Dec. 14. Class 32.

Densco, Incorporated, Denver, Colo., by change of name from The Dental Specialty Manufacturing Co., Inc. Diamond-faced drilling, grinding, polishing, and like dental tools. Serial No. 499,323, Dec. 14. Class 44.

Dental Specialty Manufacturing Co., The: *See*—
Densco, Incorporated.

Desiderio, D. M., Novelty Manufacturing Shop, McKees Rocks, Pa. Balancing toy. Serial No. 540,262, Dec. 14. Class 22.

Detmar, Bruner & Mason, Inc., New York, N. Y. Woolen fabrics in the piece. Serial No. 545,963, Dec. 14. Class 42.

Detrick, M. H., Company, Chicago, Ill. Block insulation, insulating cement, and refractory tile. Serial No. 527,538, Dec. 14. Class 12.

Directophone Company: *See*—
Stemp, Frank R.

Ditto, Incorporated, Chicago, Ill. Carbon paper. Serial No. 532,001, Dec. 14. Class 11.

Dixon-Bartlett Company, Baltimore, Md. Shoes. Serial No. 538,730, Dec. 14. Class 39.

Dozier & Gay Paint Company, Jacksonville, Fla. House paint. Serial No. 534,518, Dec. 14. Class 16.

Driver, Wilbur B., Company, Newark, N. J. Round and flat wire, ribbon, and strip formed of non-ferrous metallic alloys. Serial No. 553,350, Dec. 14. Class 14.

Eagle-Ottawa Leather Company, Grand Haven, Mich. Leather. Serial No. 524,114, Dec. 14. Class 1.

Eastern States Farmers' Exchange, West Springfield, Mass. Fertilizers. Serial No. 551,260, Dec. 14. Class 10.

Edmur Laboratories: *See*—
Friedman, Henry L.

Edwards, Gean, Manufacturing Company, Milwaukee, Wis. Water and wind repellant jackets, for men and boys. Serial No. 517,040, Dec. 14. Class 39.

Edwards, Gean, Manufacturing Company, Milwaukee, Wis. Water and wind repellant jackets, for men and boys. Serial No. 517,048, Dec. 14. Class 39.

Electronics, Incorporated, Dubuque, Iowa. Radio and battery sockets, electrical sockets, etc. Serial No. 541,115, Dec. 14. Class 21.

El Roy Naval Stores Co., Inc., Vidalia, Ga. Turpentine. Serial No. 539,402, Dec. 14. Class 16.

Elwell-Parker Electric Company, The, Cleveland, Ohio. Travel controllers of speed and direction of electric motors. Serial No. 542,914, Dec. 14. Class 21.

Emerson Electric Manufacturing Company, The, St. Louis, Mo. Electric motors, electric desk fans, electric ceiling fans, etc. Serial Nos. 538,385–6, Dec. 14. Class 21.

Equalife Laboratories: *See*—
Haber, Leo.

Etablissements L. Dard, Paris, France. Bending machines for tubes and bars. Serial No. 511,936, Dec. 14. Class 23.

Ethington, Eberly R., doing business as Ethington Manufacturing Co., Venice, Calif. Radio loud speakers. Serial No. 521,062, Dec. 14. Class 21.

Ethington Manufacturing Co.: *See*—
Ethington, Eberly R.

Ever-Tite Coupling Co. Inc., New York, N. Y. Separable hose couplings and fittings. Serial No. 536,513, Dec. 14. Class 13.

F-R Machine Works, Long Island City, N. Y. X-ray equipment and accessories for diagnostic purposes. Serial No. 510,166, Dec. 14. Class 44.

Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Solderless cold-weld connectors, current-grounding devices, electric wire and cable clamps and connectors, etc. Serial No. 540,060, Dec. 14. Class 21.

Festival Music Co.: *See*—
Sargent, Lester L.

Fish-Schurman Corporation, New York, N. Y. Light radiation projectors. Serial No. 543,430, Dec. 14. Class 26.

Flexcraft Industies: *See*—
Machleder, Irving.

Flying Tigers (American Volunteer Group-Chinese Air Force) Incorporated, The, New York, N. Y. Cereal breakfast food. Serial No. 506,026, Dec. 14. Class 46.

Friedman, Henry L., doing business as Edmur Laboratories, Newark, N. J. Silver polish. Serial No. 549,240, Dec. 14. Class 4.

Funk Bros. Seed Co., Incorporated, Bloomington, Ill. Soybean meal. Serial No. 535,022, Dec. 14. Class 46.

Future Products, Inc., Chicago, Ill. Key cases. Serial No. 545,124, Dec. 14. Class 3.

Gamble-Skogmo, Inc., Minneapolis, Minn. Work gloves, work shirts, denim jackets, etc. Serial No. 511,994, Dec. 14. Class 39.

Gay Heart Beauty Aids, Ltd., Houston, Tex. General astringent, ointments and skin lotions. Serial No. 541,410, Dec. 14. Class 6.

General Aniline & Film Corporation, New York, N. Y. Photographic chemicals. Serial No. 552,969, Dec. 14. Class 6.

General Aniline & Film Corporation, New York, N. Y. Iron powder. Serial No. 553,098, Dec. 14. Class 14.

George, Charles A., Jr., doing business as Magnatoy Co., Brookline, Mass. Games having a playing piece or pieces moved by magnetic attraction. Serial No. 510,506, Dec. 14. Class 22.

Gertz & Cook, Inc., Los Angeles, Calif. Inlaid linoleum in tile form and asphalt tile. Serial No. 537,446, Dec. 14. Class 20.

Ghirardelli, D., Co., San Francisco, Calif. Chocolate powder preparation. Serial No. 527,124, Dec. 14. Class 46.

Globe Medicine Company: *See*—
Kenley Herbert C.

Goodall Rubber Company, Trenton, N. J. Boots. Serial No. 538,120, Dec. 14. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Thermoplastic resinous solutions in the nature of paint. Serial No. 528,453, Dec. 14. Class 16.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Adhesive cement. Serial No. 543,807, Dec. 14. Class 5.

Gordon, Dorothy, doing business as Dallwood-Keldon Laboratories, Hollywood, Calif. Dry skin cream. Serial No. 512,117, Dec. 14. Class 6.

Greencastle Packing Company, The, Greencastle, Pa. Canned vegetables, and canned tomato juice. Serial No. 520,696, Dec. 14. Class 46.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather in the piece. Serial No. 529,047, Dec. 14. Class 1.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather. Serial No. 529,050, Dec. 14. Class 1.

Griffith Laboratories, Inc., The, Chicago, Ill. Yeast food. Serial No. 530,199, Dec. 14. Class 46.

Grosvenor, C. A., Shoe Company, Worcester, Mass. House slippers. Serial No. 532,421, Dec. 14. Class 39.

Grumbacher, M., Inc., New York, N. Y. Artists' paints. Serial No. 543,601, Dec. 14. Class 16.

Guichard-Perrachon & Cie., Etablissement Economiques du Casino, St. Etienne (Loire), France. Perfumes, face powder, mascara, etc. Serial No. 542,937, Dec. 14. Class 6.

Guild, L. W., Company, Inc., Boston, Mass. Piece goods. Serial No. 495,735, Dec. 14. Class 42.

Haber, Leo, doing business as Equalife Laboratories, Los Angeles, Calif. Liquid cuticle remover. Serial No. 509,655, Dec. 14. Class 6.

Heddon's, James, Sons, Dowagiac, Mich. Booklets and periodical publications. Serial No. 547,116, Dec. 14. Class 38.

Henley, Herbert C., doing business as Globe Medicine Company, Kinston, N. C. After shave lotion, skin lotion, skin salve, etc. Serial No. 516,983, Dec. 14. Class 6.

Hide and Leather Publishing Company, Chicago, Ill. Sections of publications. Serial No. 544,448, Dec. 14. Class 38.

Holmes, S. G., & Sons, Inc., Tulsa, Okla. Men's suits, coats, vests, etc. Serial No. 544,633, Dec. 14. Class 39.

Horder's, Incorporated, Chicago, Ill. Legal blank forms. Serial No. 536,529, Dec. 14. Class 37.

Hudnut, Richard, New York, N. Y. Toilet water, perfume, sachet powder, etc. Serial No. 520,872, Dec. 14. Class 6.

Hunter Douglas Corporation, Riverside, Calif., assignor to Hunter Douglas Corporation, New York, N. Y. Metal stock in both coil and flat form. Serial No. 532,024, Dec. 14. Class 14.

Inland Steel Company, Chicago, Ill. Steel fence posts, and steel highway marker posts. Serial No. 534,449, Dec. 14. Class 13.

Innes Henderson & Company Limited, Hawick, Scotland. Knitted underwear, jackets, sweaters, etc. Serial No. 511,813, Dec. 14. Class 39.

International Paint Company, Inc., New York, N. Y. Ready-mixed paint. Serial No. 540,676, Dec. 14. Class 16.

International Paint Company, Inc., New York, N. Y. Antifouling bottom paint. Serial No. 540,677, Dec. 14. Class 16.

International Products Company: *See*—
Bohemian Distributing Company.

Joanna Western Mills Company, Chicago, Ill. Book cloth. Serial No. 536,796, Dec. 14. Class 42.

Joanna Western Mills Company, Chicago, Ill. Book cloth and for tag cloth. Serial No. 536,797, Dec. 14. Class 42.

Joanna Western Mills Company, Chicago, Ill. Book cloth. Serial Nos. 536,798–9, Dec. 14. Class 42.

Joanna Western Mills Company, Chicago, Ill. Book cloth and label cloth. Serial No. 536,800, Dec. 14. Class 42.

Joanna Western Mills Company, Chicago, Ill. Book cloth. Serial Nos. 536,801–2, Dec. 14. Class 42.

Jostam Manufacturing Co., Peotone, Ill. Shotgun and rifle recoil pads. Serial No. 535,044, Dec. 14. Class 9.

Keltner, Chester W., Kansas City, Mo. Grain market analysis. Serial No. 533,033, Dec. 14. Class 55.

Kendall Company, The, Walpole, Mass. Pharmaceutical cotton. Serial No. 549,936, Dec. 14. Class 44.

Kendall Company, The, Walpole, Mass. Fibrous lining materials. Serial No. 552,592, Dec. 14. Class 42.

Kennedy Sinclaire, Inc., New York, N. Y. Periodical publication. Serial No. 523,843, Dec. 14. Class 38.

Kerr Glass Manufacturing Corporation, San Springs, Okla. Jar caps and lids made of metal. Serial No. 533,172, Dec. 14. Class 50.

Killark Electric Manufacturing Company, St. Louis, Mo. Electric fuses. Serial No. 532,707, Dec. 14. Class 21.

Kimball, A., Company, New York, N. Y. Blank, partially printed, or printed pin tickets, tags, etc. Serial No. 537,897, Dec. 14. Class 37.

Kraus, Charles E., doing business as Kraus Research Laboratories, Sparks, Md. Ceramic coatings. Serial No. 501,914, Dec. 14. Class 16.

Kraus Research Laboratories: *See*—
Kraus, Charles E.

Land-O-Nod Company, The, Minneapolis, Minn. Mattresses. Serial No. 533,453, Dec. 14. Class 32.

Langrall, J., & Bro. Inc., Baltimore, Md. Canned vegetables. Serial No. 530,529, Dec. 14. Class 46.

Lawrence, W. W., Company, Pittsburgh, Pa. Paint enamels, undercoaters, and thinners. Serial No. 538,788, Dec. 14. Class 16.

Lelong, Lucien, Inc., Chicago, Ill. Soap. Serial No. 534,155, Dec. 14. Class 4.

Les Parfums de Dana, Inc., New York, N. Y. Perfume, toilet waters, lipsticks, etc. Serial No. 558,900, Dec. 14. Class 6.

Levinsohn Bros. & Co., Inc., New York, N. Y. Clothing. Serial No. 495,079, Dec. 14. Class 39.

Lightco Inc., Los Angeles, Calif. Electric food and/or beverage mixers. Serial No. 541,688, Dec. 14. Class 21.

Line Material Company, Milwaukee, Wis. Electric luminaires. Serial No. 521,342, Dec. 14. Class 21.

Lord Manufacturing Company, Erie, Pa. Engine mountings and parts thereof. Serial No. 518,768, Dec. 14. Class 23.

Losee Products Company, Hebron, Ill. Electric fans. Serial No. 529,069, Dec. 14. Class 21.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid syrups. Serial No. 535,332, Dec. 14. Class 46.

Machleder, Irving, doing business as Flexcraft Industries, New York, N. Y. Plastic-work kits. Serial No. 531,228, Dec. 14. Class 50.

Macy, R. H., & Co., Inc., New York, N. Y. Smoking tobacco. Serial No. 552,314, Dec. 14. Class 17.

Madieu, Gerard, Monaco, Principality of Monaco. Text books, text booklets, text leaflets, etc. Serial No. 508,230, Dec. 14. Class 38.

Magnatoy Co.: *See*—
George, Charles A., Jr.

Malibu Brassiere Co., assignor to A. P. Waldman, doing business as Malibu Brassiere Co., Los Angeles, Calif. Women's garter belts. Serial No. 532,467, Dec. 14. Class 39.

Malibu Brassiere Co., assignor to A. P. Waldman, doing business as Malibu Brassiere Co., Los Angeles, Calif. Women's brassières. Serial No. 532,468, Dec. 14. Class 39.

Mandel Brothers, Inc., Wilmington, Del., and Chicago, Ill. Cotton sheets. Serial No. 536,939, Dec. 14. Class 42.

Mannington Mills, Inc., Salem, N. J. Felt base floor coverings. Serial No. 543,823, Dec. 14. Class 20.

Marine Electronics, Inc., Tacoma, Wash. Surgical sheets. Serial No. 546,230, Dec. 14. Class 44.

Martinson, Jos., & Co., Inc., New York, N. Y. Coffee. Serial No. 532,315, Dec. 14. Class 46.

Marx Chemical Supply Company: *See*—
Marx, Raynard J.

Marx, Raynard J., doing business as Marx Chemical Supply Company, Chicago, Ill. Embalming preparations. Serial No. 511,281, Dec. 14. Class 6.

Mayers, L. & C., Co., Inc., New York, N. Y. Cigarette lighters. Serial No. 541,006, Dec. 14. Class 8.

McDougall-Butler Co., Inc., Buffalo, N. Y. Liquid furniture polish. Serial No. 535,059, Dec. 14. Class 16.

McLean, A., & Son: *See*—
McLean, A., & Son, Inc.

McLean, A., & Son, Inc., also doing business as A. McLean & Son, Chicago, Ill. Candy bars. Serial No. 524,272, Dec. 14. Class 46.

Mead Johnson & Company, Evansville, Ind. Specially prepared precooked and dried cereal containing vitamins and minerals. Serial No. 516,942, Dec. 14. Class 6.

Mearl Corporation, The, New York, N. Y. Nacreous pigment. Serial No. 530,094, Dec. 14. Class 16.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Asbestos roofing cements and caulking compounds. Serial No. 530,414, Dec. 14. Class 12.

Merriam Manufacturing Company, The, Durham, Conn. Boxes formed of base metal for holding bonds, cash, stamps, etc. Serial No. 532,745, Dec. 14. Class 25.

Metal Specialties Manufacturing Co., Chicago, Ill. Printed tape and labels. Serial No. 532,320, Dec. 14. Class 38.

Meyer Chemical Company, Detroit, Mich. Sedative and expectorant. Serial No. 557,672, Dec. 14. Class 6.

Meyers, Louis, & Son, Inc., New York, N. Y. Gloves. Serial No. 510,265, Dec. 14. Class 39.

Miller, A. John, doing business as Cadet Laboratories, Worcester, Mass. Cream, and chemical deodorant, etc. Serial No. 525,918, Dec. 14. Class 6.

Mimar Products, Inc., Brooklyn, N. Y. Electric room heaters, portable electric fan and heater combinations, etc. Serial Nos. 541,155–6, Dec. 14. Class 21.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure responsive controls. Serial No. 527,816, Dec. 14. Class 26.

Missouri Farmers Association, Inc., Columbia, Mo. Gasolines, kerosenes, benzenes, etc. Serial No. 513,128, Dec. 14. Class 15.

Model Craft, New York, N. Y. Little girls' and teen-age girls' blouses and teen-age girls' playsuits. Serial No. 496,723, Dec. 14. Class 39.

Molina, Angel M., Mexico City, Mexico. Chestlocks, padlocks, lockbolts, and locks. Serial No. 537,605, Dec. 14. Class 25.

Monsanto Chemical Company, St. Louis, Mo. Compound used as a vulcanizing accelerator in the processing of rubber articles. Serial No. 553,889, Dec. 14. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Surface active compounds for general use in the industrial arts. Serial Nos. 553,890–1, Dec. 14. Class 6.

Montag Brothers, Inc., Atlanta, Ga. Writing paper. Serial No. 519,677, Dec. 14. Class 37.

Motor Export Manufacturing Co., Chicago, Ill. Electric motors. Serial No. 534,651, Dec. 14. Class 21.

Narf Company, The: *See*—
Schaefer, Frank J.

National Carbon Company, Inc., New York, N. Y. Carbonaceous paste. Serial No. 525,924, Dec. 14. Class 12.

National Chemical & Manufacturing Company, Chicago, Ill. Liquid paint and varnish remover. Serial No. 526,707, Dec. 14. Class 16.

National Fruit Flavor Company, Inc., New Orleans, La. Concentrate used in making maltless, non-alcoholic beverages. Serial No. 514,058, Dec. 14. Class 45.

National Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. Serial No. 488,654, Dec. 14. Class 39.

National Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. Serial No. 539,975, Dec. 14. Class 39.

National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. Serial No. 543,963, Dec. 14. Class 42.

National Paper Products Sales Company, The: *See*—
Crown Zellerbach Corporation.

Nelson-French Company, Warsaw, N. Y. Soap cleanser. Serial No. 516,146, Dec. 14. Class 4.

Nelson, Madam Elizabeth, Detroit, Mich. Shampoo, pressing oil, temple grower, etc. Serial No. 521,676, Dec. 14. Class 6.

New Jersey Instrument Parts Co., Teaneck, N. J. Toy tops. Serial No. 511,180, Dec. 14. Class 22.

Northwestern States Portland Cement Company, Mason City, Iowa. Portland cement, masons' cement, and high early strength cement. Serial No. 515,775, Dec. 14. Class 12.

Ohio Rubber Company, The, Willoughby, Ohio. Floor mats of rubber and like materials. Serial No. 535,989, Dec. 14. Class 50.

Ohmer Corporation, Dayton, Ohio. Taximeters, fare registers, and cash registers. Serial No. 543,983, Dec. 14. Class 26.

Old Ben Coal Corporation, Chicago, Ill. Coal. Serial No. 532,750, Dec. 14. Class 1.

Optique & Precision de Levallois, Levallois-Perret, France. Photographic camera. Serial No. 540,562, Dec. 14. Class 26.

Optique & Precision de Levallois, Levallois-Perret, France. Camera lens attachment. Serial No. 540,563, Dec. 14. Class 26.

Optique & Precision de Levallois, Levallois-Perret, France. Enlarging photographic apparatus. Serial No. 540,564, Dec. 14. Class 26.

Orange Cooperative Citrus Association, Orange, Calif. Fresh citrus fruits. Serial No. 531,510, Dec. 14. Class 46.

Oscar Schmidt-International, Incorporated, Jersey City, N. J. Musical instrument. Serial No. 528,649, Dec. 14. Class 36.

Parade Publication, Inc., New York, N. Y. Sunday picture magazine. Serial No. 535,178, Dec. 14. Class 38.

Penton Publishing Company, The, Cleveland, Ohio. Publication published yearly or from time to time. Serial No. 536,437, Dec. 14. Class 38.

Penton Publishing Company, The, Cleveland, Ohio. Publication published monthly or from time to time. Serial No. 536,438, Dec. 14. Class 38.

Penton Publishing Company, The, Cleveland, Ohio. Publication published weekly or from time to time. Serial No. 536,439, Dec. 14. Class 38.

Penton Publishing Company, The, Cleveland, Ohio. Publication published monthly or from time to time. Serial No. 536,440, Dec. 14. Class 38.

Penton Publishing Company, The, Cleveland, Ohio. Annual marine directory. Serial No. 536,441, Dec. 14. Class 38.

Pharis Tire and Rubber Company, The, Newark, Ohio, assignee of Carlisle Tire & Rubber Company. Outer casings of pneumatic tires and tubes. Serial No. 508,834, Dec. 14. Class 35.

Philadelphia Independent, The, Philadelphia, Pa. Weekly newspaper. Serial No. 537,351, Dec. 14. Class 38.

Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Coal. Serial No. 526,575, Dec. 14. Class 1.
Porte Publishing Company, Salt Lake City, Utah. Monthly publication. Serial No. 539,433, Dec. 14. Class 38.
Potter, Chauncey C., Arlington, Va. Insect excluding cribs and infants' play pens. Serial No. 524,255, Dec. 14. Class 32.
Precious Metals Specialties Company, Inc., The, Newark, N. J. Jewelry settings and findings. Serial No. 541,700, Dec. 14. Class 28.
Price, L. B., Mercantile Company, The, St. Louis, Mo. Pillows. Serial No. 538,313, Dec. 14. Class 32.
Pullman Couch Company, Chicago, Ill. Upholstered furniture. Serial No. 534,813, Dec. 14. Class 32.
Randall Products Co., Berkley, Mich. Rubber hose. Serial No. 550,348, Dec. 14. Class 35.
Reed, Wert T., Cedarburg, Wis. Non-alcoholic maltless soft drinks. Serial No. 519,491, Dec. 14. Class 45.
Rhinelander Paper Company, Rhinelander, Wis. Grease-proof paper. Serial No. 528,140, Dec. 14. Class 37.
Rigo Manufacturing Company, Nashville, Tenn. Nose drops. Serial No. 518,039, Dec. 14. Class 6.
Rinshed-Mason Company, Detroit, Mich. Paint product pigmented with aluminum. Serial No. 545,775, Dec. 14. Class 16.
Roberts Laboratories, The, Salisbury, Mo. Stomach and contact poison for the control or extermination of rats. Serial No. 516,636, Dec. 14. Class 6.
Rogers, Howard E., doing business as Howard E. Rogers Company, Los Angeles, Calif. Fresh vegetables and fresh deciduous fruits. Serial No. 523,671, Dec. 14. Class 46.
Rogers, Howard E., Company: *See*—
Rogers, Howard E.
Ross-Meehan Foundries, Chattanooga, Tenn. Castings of gray iron, of steel and alloy steel, etc. Serial No. 541,464, Dec. 14. Class 4.
S. & L. Belt Co., Inc., New York, N. Y. Garment belts. Serial No. 535,752, Dec. 14. Class 39.
Sage Brush Originals, Cheyenne, Wyo. Luncheon cloth sets. Serial No. 517,433, Dec. 14. Class 42.
Salomint Laboratories, Cleveland, Ohio. Dentifrices. Serial No. 539,761, Dec. 14. Class 6.
Samson Brothers, Inc., Rochester, N. Y. Apparel belts. Serial No. 518,255, Dec. 14. Class 39.
Sands, Taylor & Wood Company, Somerville, Mass. Wheat flour. Serial No. 533,926, Dec. 14. Class 46.
Sanit-All Products Corporation, Greenwich, Ohio. Tongs for holding bottles and nipples. Serial No. 517,871, Dec. 14. Class 23.
Sapolin Co. Inc., New York, N. Y., now by change of name Sapolin Paints Inc. Polishing cream. Serial No. 507,695, Dec. 14. Class 16.
Sapolin Co. Inc., now by change of name Sapolin Paints Inc., New York, N. Y. Paints; paint enamels; paste wood fillers, etc. Serial No. 527,041, Dec. 14. Class 16.
Sapolin Paints Inc.: *See*—
Sapolin Co. Inc.
Sargent, Collier T., administratrix: *See*—
Sargent, Lester L.
Sargent, Lester L., deceased, doing business as Festival Music Co., by C. T. Sargent, administratrix, Washington, D. C. Sheet music. Serial No. 540,905, Dec. 14. Class 38.
Schaefer, Frank J., doing business under the name of The Narf Company, St. Louis, Mo. Oil-like metal penetrant. Serial No. 499,859, Dec. 14. Class 15.
Schermuly Pistol Rocket Apparatus Limited, The, Surrey, England. Signalling and life-saving apparatus and parts thereof, fire alarms, and pyrotechnic articles. Serial No. 511,422, Dec. 14. Class 9.
Schloss Bros. & Co. Inc., Baltimore, Md. Men's and women's wearing apparel. Serial No. 544,501, Dec. 14. Class 39.
Schmid, Julius, Inc., New York, N. Y. Prophylactic rubber and membranous articles. Serial No. 536,640, Dec. 14. Class 44.
Schmid, Julius, Inc., New York, N. Y. Prophylactic rubber and membranous articles. Serial No. 536,642, Dec. 14. Class 44.
Schneider Leather Novelty Co., New York, N. Y. Wallets and billfolds. Serial No. 521,992, Dec. 14. Class 3.
Schniebs, Otto E., doing business as Otto Eugen Schniebs Co., Lake Placid, N. Y. Liquid in the nature of a varnish or shellac. Serial No. 507,697, Dec. 14. Class 16.
Schniebs, Otto Eugen, Co.: *See*—
Schniebs, Otto E.
Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics in the piece. Serial No. 553,410, Dec. 14. Class 42.
Seattle Drug Co., Inc., Seattle, Wash. Medicated skin lotion and medicated salve. Serial No. 550,620, Dec. 14. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Household scales. Serial No. 550,090, Dec. 14. Class 26.
Seckbach, A. M., & Company, Los Angeles, Calif. Fresh fruits and vegetables. Serial No. 521,410, Dec. 14. Class 46.
Selas Corporation of America, Philadelphia, Pa. Meter for measuring and indicating the flow of fluids. Serial No. 526,649, Dec. 14. Class 26.
Shapleigh Hardware Company, St. Louis, Mo. Dry, ready-mixed, and paste paints, kalcimine, enamels, etc. Serial No. 531,048, Dec. 14. Class 16.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Mineral, vitamin, containing preparation. Serial No. 535,187, Dec. 14. Class 6.
Simmons Company, New York, N. Y. Mattresses and box springs. Serial No. 549,282, Dec. 14. Class 32.
Simplicity Pattern Co. Inc., New York, N. Y. Periodical pattern books, periodical pattern magazines, and periodical pattern pamphlets. Serial No. 541,711, Dec. 14. Class 38.
Simring, Simon, doing business as Bertene Garcia Cigar Co., Brooklyn, N. Y. Cigars. Serial No. 513,988, Dec. 14. Class 17.
Snively Vending and Sales Company, Inc., Winter Haven, Fla. Electrically operated, coin-controlled, juice vending machine. Serial No. 531,733, Dec. 14. Class 23.
Societe Anonyme le Pippermint, Revel (Hte-Garonne), France. Alcoholic liqueur. Serial No. 525,121, Dec. 14. Class 49.
Solotone Corporation, Los Angeles, Calif. Coin operated loud speakers. Serial No. 519,227, Dec. 14. Class 21.
Sparkling Products Co., Mexico, Maine. Artificial fishing lures. Serial No. 530,031, Dec. 14. Class 22.
Spartan Grain & Mill Co.: *See*—
Spartan Grain & Mill Co. Inc.
Spartan Grain & Mill Co. Inc., doing business as Spartan Grain & Mill Co., Spartanburg, S. C. Dairy feed, cattle feed, chicken feed, etc. Serial No. 513,851, Dec. 14. Class 46.
Springfield Wire and Tinsel Company, West Springfield, Mass. Kitchen-utensil cleaners. Serial No. 532,412, Dec. 14. Class 4.
Standard Oil Company, The, Cleveland, Ohio. Additive. Serial No. 512,539, Dec. 14. Class 15.
Star Bedding Company, St. Louis, Mo. Feather pillows and mattresses. Serial No. 510,735, Dec. 14. Class 32.
Star Porcelain Company, The, Trenton, N. J. Electrical insulating compound in powder form. Serial No. 543,541, Dec. 14. Class 21.
Stemp, Frank Ronald, doing business as Directophone Company, New York, N. Y. Printed directory in the form of a roller mounted tape. Serial No. 510,865, Dec. 14. Class 38.
Stephens-Adamson Mfg. Co., Aurora, Ill. Supporting rollers. Serial No. 523,332, Dec. 14. Class 23.
Stephens-Adamson Mfg. Co., Aurora, Ill. Supporting rollers. Serial No. 523,335, Dec. 14. Class 23.
Stratbury Manufacturing Co., Galion, Ohio. Overcoats and topcoats for men and women. Serial No. 529,209, Dec. 14. Class 39.
Sunset Incorporated, Chicago, Ill. Whiskey, gin, rum, alcoholic cordials, etc. Serial No. 511,970, Dec. 14. Class 49.
Sutton Shirt Corp., New York, N. Y. Men's shirts and sport shirts. Serial No. 534,939, Dec. 14. Class 39.
Swan Chemical Company, Wichita, Kans. Composition consisting of a mixture of a mononuclear or monocyclic aromatic liquid hydrocarbon compound, etc. Serial No. 558,325, Dec. 14. Class 6.
Swartzbaugh Manufacturing Company, The, Toledo, Ohio. Mobile electric food conveying and serving utility trucks. Serial No. 534,833, Dec. 14. Class 21.
Taylor, H. P., Jr., Inc., Richmond, Va. Canned fruits, canned vegetables, canned tomato juice, etc. Serial No. 539,236, Dec. 14. Class 46.
Taylor, H. P., Jr., Inc., Richmond, Va. Canned fruits, fruit juices, fruit sauces, etc. Serial No. 539,237, Dec. 14. Class 46.
Telex Inc., Minneapolis, Minn. Electrical wire sound recording and reproducing apparatus. Serial No. 533,081, Dec. 14. Class 21.
Terrytoons, Inc., New Rochelle, N. Y. Comic strips. Serial No. 512,871, Dec. 14. Class 38.
Thresher Paint & Varnish Company, The, Dayton, Ohio. Liquid and paste paints, liquid paint enamels, liquid undercoats, etc. Serial No. 535,901, Dec. 14. Class 16.
Thresher Paint & Varnish Company, The, Dayton, Ohio. Liquid and paste paints, liquid paint enamels, liquid undercoats, etc. Serial No. 535,903, Dec. 14. Class 16.
Transolene Co.: *See*—
Transolene Corporation.
Transolene Corporation, doing business as Transolene Co., Barrington, Ill. Plastic film in sheets or rolls. Serial No. 535,198, Dec. 14. Class 42.
Trio Manufacturing Company, Elyria, Ohio. Spinning toys. Serial No. 529,113, Dec. 14. Class 22.
True-Tagg Paint Company, doing business as True-Tagg Varnish Company, Memphis, Tenn. Varnishes. Serial No. 534,944, Dec. 14. Class 16.
True-Tagg Varnish Company: *See*—
True-Tagg Paint Company.
Ty-Master Corporation, New York, N. Y. Tie racks, Serial No. 533,215, Dec. 14. Class 32.
Undertakers Supply Company, Chicago, Ill. Deodorant powder for morticians' use. Serial No. 541,222, Dec. 14. Class 6.
United-Carr Fastener Corporation, Cambridge, Mass. Stud fasteners and component elements thereof. Serial No. 477,443, Dec. 14. Class 13.

U. S. Typewriter Ribbon Mfg. Co., Philadelphia, Pa. Carbon paper and inked ribbons. Serial Nos. 548,769–70, Dec. 14. Class 11.
Vactric Limited, London, England. Electric vacuum cleaning machines and electric floor polishing machines, and parts thereof. Serial No. 523,435, Dec. 14. Class 21.
Varney, Fred, and Co., St. Louis, Mo. Soft balls, soft ball bats, and poker chips. Serial No. 546,629, Dec. 14. Class 22.
Velma Lingerie Corp., New York, N. Y. Ladies' slips, nightgowns, and panties. Serial No. 547,075, Dec. 14. Class 39.
Velveray Corporation, New York, N. Y. Thin vinyl-type plastic film. Serial No. 496,176, Dec. 14. Class 42.
Video Television, Inc., New York, N. Y. Television antenna and antenna mounts, clamps, etc. Serial No. 543,548, Dec. 14. Class 21.
Waldman, Alvin P., assignee: *See*—
Malibu Brassiere Co.
Washington Manufacturing Company, Nashville, Tenn. Work shirts, work pants, overalls, etc. Serial No. 511,715, Dec. 14. Class 39.
Webb Corporation, The, Webb City, Mo. Weighing scales. Serial No. 542,188, Dec. 14. Class 26.
Weinbert, Louis, Associates, Inc., New York, N. Y. Swiss millinery braid. Serial No. 523,499, Dec. 14. Class 40.
Wesix Electric Heater Co., San Francisco, Calif. Electric thermostats. Serial No. 538,329, Dec. 14. Class 26.
Whaley, William E., doing business as William E. Whaley Company, Louisville, Ky. Printed advertising posters. Serial No. 544,413, Dec. 14. Class 38.
Whaley, William E., Company: *See*—
Whaley, William E.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Temperature indicators, temperature recorders, thermostats, etc., and parts thereof. Serial No. 525,736, Dec. 14. Class 26.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Temperature indicators, temperature recorders, thermostats, etc. Serial No. 527,670, Dec. 14. Class 26.
Wilcox-Gay Corporation, The, Charlotte, Mich. Radio receiving sets and electrical phonographs. Serial No. 524,223, Dec. 14. Class 21.
Wilson, Andrew, Inc., Springfield, N. J. Saponified liquid soap. Serial No. 537,264, Dec. 14. Class 4.
Wilson, J. G., Corporation, The, New York, N. Y. Metal rolling doors, wood doors, and steel and wood overhead doors. Serial No. 542,382, Dec. 14. Class 12.
Wolock, Morris, New York, N. Y. Ladies' and misses' shoes. Serial No. 537,958, Dec. 14. Class 39.
Wood Flong Corporation, Hoosick Falls, N. Y. Dry mats for stereotyping purposes. Serial Nos. 533,811–13, Dec. 14. Class 50.
Wood Flong Corporation, Hoosick Falls, N. Y. Dry mats for stereotyping purposes. Serial Nos. 533,816–18, Dec. 14. Class 50.
Wurzburg Brothers, assignor to Wurzburg Brothers, Incorporated, Memphis, Tenn. Autographic registers, blank labels and tags, partially printed business forms, etc. Serial No. 510,143, Dec. 14. Class 37.
Wurzburg Brothers, Incorporated, assignee: *See*—
Wurzburg Brothers.
Yuengling, D. G., & Son, Incorporated, Pottsville, Pa. Beer, ale, and porter. Serial No. 510,557, Dec. 14. Class 48.
Zylite Optical Co. Inc., New York, N. Y. Eyeglass frames. Serial No. 549,859, Dec. 14. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

A. B. C. Distributors: *See*—
Thornton, John C., Co.
Acme Electric Corporation, Cuba, N. Y. Voltage regulators and variable voltage transformers. 504,775, Dec. 14; Serial No. 530,890, published Sept. 7, 1948. Class 21.
Adams Candy Company, Dallas, Tex. Candy. 504,817, Dec. 14; Serial No. 538,699, published Aug. 24, 1948. Class 46.
Akin, W. L., doing business as Southern Foods Co., by Southern Foods Company, McAllen, Tex. Canned grapefruit juice and canned vegetables. 429,139, Apr. 22, 1947. Republished Dec. 14. Class 46.
Aktiebolaget Sveriges Forenade Konservfabriker, Gottenborg, Sweden. Canned anchovy, herring tidbits, caviar and fish balls. 314,202, June 19, 1934. Republished Dec. 14. Class 46.
Alco Valve Company, University City, Mo. Refrigerant control valves. 432,400, Sept. 2, 1947. Republished Dec. 14. Class 26.
Alexander Woolen Co., Chicago, Ill. Woolen piece goods. 504,845, Dec. 14; Serial No. 546,338, published Sept. 7, 1948. Class 42.
Allen-Wales Adding Machine Corporation: *See*—
Wales Adding Machine Company.
American Hair & Felt Company: *See*—
Lachman, Charles, Co., Inc.
American Hoist & Derrick Co., by American Hoist & Derrick Co., St. Paul, Minn. Rope clamps. 156,609, July 11, 1922. Republished Dec. 14. Class 23.
American Tissue Mills: *See*—
Mt. Holyoke Tissue Mills.
American Varnish Company, The, Chicago, Ill. Paint enamels. 173,709, Oct. 2, 1923. Republished Dec. 14. Class 16.
Ames Iron Works: *See*—
Pierce Butler Radiator Corporation.
Anchor Packing Company, The, Philadelphia, Pa. Rubber belting, rubber hose, machinery packing, etc. 254,554, renewed Mar. 26, 1949. O. G. Dec. 14. Class 35.
Argus, Incorporated, Ann Arbor, Mich. Photographic lenses. 441,583, Dec. 14; Serial No. 511,195, published Sept. 14, 1948. Class 26.
Armstrong Grocery Company, Sharon, Pa. Canned vegetables, canned fruits, canned fruit juices, etc. 441,599, Dec. 14; Serial No. 519,163, published Dec. 9, 1947. Class 46.
Asher & Boretz, Inc., New York, N. Y. Plastic-coated cotton fabrics. 441,601, Dec. 14; Serial No. 521,235, published Sept. 7, 1948. Class 42.
Atkins & Durbrow, Inc., New York, N. Y. Peat moss. 199,135, June 2, 1925. Republished Dec. 14. Class 1.
Atlantic Mercantile Company, New York, N. Y. Waterproof material. 504,851, Dec. 14; Serial No. 547,887, published Sept. 7, 1948. Class 42.
Auto Specialties Manufacturing Company, St. Joseph, Mich. Portable apparatus adapted for various uses such as automobile jack. 357,676, June 14, 1938. Republished Dec. 14. Class 23.
Avalon Dairies, Inc., Nashville, Tenn. Cheese spread. 504,747, Dec. 14; Serial No. 522,848, published Aug. 31, 1948. Class 46.
Baldwin, Roy, doing business as Baldwin's Extract & Flavor Co., Columbus, Ohio. Nonalcoholic, maltless beverages and extracts or syrups for producing the same. 239,494, Mar. 6, 1928. Republished Dec. 14. Class 45.
Baldwin's Extract & Flavor Co.: *See*—
Baldwin, Roy.
Bangert, Harold W., doing business as Pantato Company, Fargo, N. Dak. Washed and graded potatoes. 504,725, Dec. 14; Serial No. 505,094, published Sept. 7, 1948. Class 46.
Banks, Al A., doing business as Lyk-Nu Company, New York, N. Y. Furniture and automobile polish. 345,403, Apr. 27, 1937. Republished Dec. 14. Class 16.
Barbasol Company, The, by The Barbasol Company (1947) Indianapolis, Ind. Ointment deodorant. 261,540, Sept. 17, 1929. Republished Dec. 14. Class 6.
Barbasol Company, The (1947): *See*—
Barbasol Company, The.
Barber Manufacturing Company, by Barber Manufacturing Company, Inc., Anderson, Ind. Bed-springs and seat-spring constructions. 120,707, Mar. 5, 1918. Republished Dec. 14. Class 32.
Barber Manufacturing Company, Inc.: *See*—
Barber Manufacturing Company.
Barbet Mills, Incorporated, Gastonia, N. C. Knitted fabrics. 504,797, Dec. 14; Serial No. 535,457, published Sept. 7, 1948. Class 42.
Barnett, J. R., Inc., Harlingen, Tex. Fresh vegetables. 358,310, July 5, 1938. Republished Dec. 14. Class 46.
Barret Textile Corporation, New York, N. Y. Plastic coated textile fabrics, in the piece. 441,594, Dec. 14; Serial No. 517,399, published Sept. 7, 1948. Class 42.
Barton Salt Company, The: *See*—
Texaco Salt Products Company.
Beacon Chemical Corporation, Philadelphia, by Hood Chemical Co., Inc., Pittsburgh, Pa. Bleach, germicide and disinfectant. 388,093, June 10, 1941. Republished Dec. 14. Class 6.
Bear Creek Orchards, Medford, Oreg. Fresh deciduous fruits. 144,343, July 5, 1921. Republished Dec. 14. Class 46.
Bedford Products, Inc., Dunkirk, N. Y. Marmalade, jellies, jams, etc. 441,603, Dec. 14; Serial No. 522,148, published Aug. 31, 1948. Class 46.
Bell & Howell Company, Chicago, Ill. Projection lenses. 504,761, Dec. 14; Serial No. 529,562, published Sept. 14, 1948. Class 26.
Bell & Howell Company, Chicago, Ill. Projector stands. 504,762, Dec. 14; Serial No. 529,571, published Sept. 14, 1948. Class 26.
Bell & Howell Company, Chicago, Ill. Photographic lenses. 504,778, Dec. 14; Serial No. 531,293, published Sept. 14, 1948. Class 26.
Bemis Bro. Bag Company, St. Louis, Mo. Bags. 504,753, Dec. 14; Serial No. 526,844, published Sept. 14, 1948. Class 2.
Benchley Fruit Co.: *See*—
Benchley, W. L.

Benchley, W. L., doing business as Benchley Fruit Co., by Eadington Fruit Company, Fullerton, Calif. Fresh citrous fruits. 185,327, June 10, 1924. Republished Dec. 14. Class 46.

Bendix Aviation Corporation: *See*—
Eclipse Aviation Corporation.

Bendix Aviation Corporation, doing business as Eclipse-Pioneer Division, Teterboro, N. J. Flexible metal hose. 423,438, Sept. 3, 1946. Republished Dec. 14. Class 35.

Bendix Aviation Corporation, doing business as Eclipse-Pioneer Division, Teterboro, N. J. Electric motors, generators, magnetos, etc. 431,622, July 29, 1947. Republished Dec. 14. Class 21.

Bendix Aviation Corporation, doing business as Eclipse-Pioneer Division, Teterboro, N. J. Valve mechanisms. 432,056, Aug. 29, 1947. Republished Dec. 14. Class 13.

Bengué, Inc.: *See*—
Bengué, Jules.

Bengué, Jules, Paris, France, to Bengué, Inc., Union City, N. J. Balsams, purgatives, pastils, etc. 66,633, renewed Dec. 17, 1947. O. G. Dec. 14. Class 6.

Benjamin, E. V., Company, Inc., The, doing business as Maginn's Cotton Mills, New Orleans, La., by Washington Manufacturing Company, Nashville, Tenn. Men's, boys', and children's garments. 237,233, Jan. 3, 1928. Republished Dec. 14. Class 39.

Benrose Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 504,802, Dec. 14; Serial No. 536,484, published Sept. 7, 1948. Class 42.

Benrose Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 504,803, Dec. 14; Serial No. 536,487, published Sept. 7, 1948. Class 42.

Berlinger, Joseph, Co., New York, N. Y. Piece goods of rayon. 504,809, Dec. 14; Serial No. 537,966, published Sept. 7, 1948. Class 42.

Bertauche, Maurice, San Anselmo, Calif. Hollandaise sauce, bearnaise sauce, and canned babas in rum (French rum cakes). 504,770, Dec. 14; Serial No. 530,457, published Sept. 7, 1948. Class 46.

Beverage Distributors, Inc.: *See*—
Petri Cigar Co.

Billings & Spencer Company, The, Hartford, Conn. Tools and machinery. 399,829, Feb. 2, 1943. Republished Dec. 14. Class 23.

Bird-Archer Company, The: *See*—
Bird-Archer Company.

Bird-Archer Company, by The Bird-Archer Company, New York, N. Y. Chemical compounds. 79,549, Sept. 20, 1910. Republished Dec. 14. Class 6.

Blackwell Milling & Elevator Company, Blackwell, Okla., by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 80,756, Jan. 31, 1911. Republished Dec. 14 Class 46.

Blanke-Baer Extract & Preserving Company, St. Louis, Mo. Jellies, jams, fruit butters, etc. 504,754, Dec. 14; Serial No. 527,320, published Sept. 14, 1948. Class 46.

Blaw-Knox Company: *See*—
Union Steel Casting Company.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 504,766, Dec. 14; Serial No. 530,282, published Sept. 7, 1948. Class 42.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 504,767, Dec. 14; Serial No. 530,288, published Sept. 7, 1948. Class 42.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 504,768, Dec. 14; Serial No. 530,293, published Sept. 7, 1948. Class 42.

Bolzelle & Eisinger Corporation, Rockville, Md., now by change of name Paul Bolzelle Corporation. Bagatelle type amusement game. 504,883, Dec. 14; Serial No. 539,124. Class 22.

Bolzelle, Paul, Corporation: *See*—
Bolzelle & Eisinger Corporation.

Boland Mfg. Co., Chicago, Ill. Window curtains, window draperies, crib sheets, etc. 441,602, Dec. 14; Serial No. 521,239, published Sept. 7, 1948. Class 42.

Bonded Brands, Incorporated, by James S. White, Chicago, Ill. Golf balls. 348,764, Aug. 10, 1937. Republished Dec. 14. Class 22.

Borg & Beck Company, The, by Borg-Warner Corporation, Chicago, Ill. Mechanical clutches, clutch plates, and parts thereof. 300,396, Jan. 17, 1933. Republished Dec. 14. Class 23.

Borg-Warner Corporation: *See*—
Borg & Beck Company, The.

Borg-Warner Corporation, Chicago, Ill. Mechanical clutches, clutch plates, parts thereof. 398,179, Oct. 13, 1942. Republished Dec. 14. Class 23.

Braithwaite, Isaac, & Son, Engineers, Limited, Kendal, England. Machines for washing garments and fabrics, wringing and mangling machines, and garment pressing machines. 249,047, renewed Nov. 6, 1948. O. G. Dec. 14. Class 24.

Braithwaite, Isaac, & Son, Engineers, Limited, Kendal, England. Sewing machines, felling machines, dyeing machinery, etc. 249,333, renewed Nov. 13, 1948. O. G. Dec. 14. Class 23.

Breck, John H., Inc., Springfield, Mass. Preparations for shampoo purposes. 359,764, Aug. 30, 1938. Republished Dec. 14. Class 6.

Bresnick, Carl S., by Pearlduck, Inc., New York, N. Y. All manner and kinds of razors, shears, scissors, etc. 235,317, Nov. 15, 1927. Republished Dec. 14. Class 23.

Bresnick, Carl S., by Pearlduck, Inc., New York, N. Y. All manner and kinds of razors, shears, scissors, etc. 250,452, Dec. 11, 1928. Republished Dec. 14. Class 23.

Brewer & Company, Inc., Worcester, Mass. Internal remedy for treatment of various colds, bronchial troubles, grippe, etc. 504,884, Dec. 14; Serial No. 542,217. Class 6.

Brittains Limited, Leek, Staffordshire, England. Writing paper and envelopes. 74,010, June 8, 1909. Republished Dec. 14. Class 37.

Brookfield Mills, Inc., East Brookfield, Mass. Coated cotton piece goods. 504,818, Dec. 14; Serial No. 538,716, published Sept. 7, 1948. Class 42.

Brooks Appliance Company, Inc.: *See*—
Brooks Rupture Appliance Co.

Brooks Paper Company: *See*—
Brooks, Robert W.

Brooks, Robert W., doing business as Brooks Paper Company, by Brooks Paper Company, St. Louis, Mo. Stereotyping and copying tissue. 172,926, Sept. 11, 1923. Republished Dec. 14. Class 37.

Brooks Rupture Appliance Co., by Brooks Appliance Company, Inc., Marshall, Mich. Rupture appliances. 89,337, Dec. 10, 1912. Republished Dec. 14. Class 44.

Brown, Geo. D., & Son, Inc., doing business as Chelan Falls Orchards, Chelan Falls, Wash. Fresh apples. 441,612, Dec. 14; Serial No. 526,197, published Aug. 24, 1948. Class 46.

Browning Brothers Company, to J. M. & M. S. Browning Company, Ogden, Utah. Automatic shotguns. 248,671, renewed Oct. 30, 1948. O. G. Dec. 14. Class 9.

Browning, J. M. & M. S., Company: *See*—
Browning Brothers Company.

Bruce's Juices, Inc., Tampa, Fla. Canned citrus fruit meats in juice syrup. 504,723, Dec. 14; Serial No. 500,275, published Sept. 14, 1948. Class 46.

Brundage, J. R., Inc., New York, N. Y., by The Sheffield Company, New London, Conn. Tooth paste. 314,603, July 3, 1934. Republished Dec. 14. Class 6.

Brundage, J. R., Inc., New York, N. Y., by The Sheffield Company, New London, Conn. Tooth paste. 322,366, Mar. 5, 1935. Republished Dec. 14. Class 6.

Bryant & Company, Portland, by Paulus Bros. Packing Co., Salem, Oreg. Canned fish and canned berries. 146,959, Sept. 27, 1921. Republished Dec. 14. Class 46.

Buchanan, James, & Company Limited, London, England. Whisky. 331,807, Jan. 21, 1936. Republished Dec. 14. Class 49.

Buchanan, James, & Company Limited, London, England. Whisky. 411,853, Feb. 6, 1945. Republished Dec. 14. Class 49.

Burlington Mills Corporation, Greensboro, N. C. Hosiery. 383,398, Dec. 3, 1940. Republished Dec. 14. Class 39.

Burlington Mills Corporation, Greensboro, N. C. Piece goods. 383,495, Dec. 10, 1940. Republished Dec. 14. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Piece goods. 384,156, Jan. 7, 1941. Republished Dec. 14. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Hosiery. 384,235, Jan. 7, 1941. Republished Dec. 14. Class 39.

Burlington Mills Corporation, Greensboro, N. C. Piece goods. 384,236, Jan. 7, 1941. Republished Dec. 14. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Hosiery. 399,872, Feb. 2, 1943. Republished Dec. 14. Class 39.

Burlington Mills Corporation, Greensboro, N. C. Piece goods. 400,620, Mar. 23, 1943. Republished Dec. 14. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Fabrics of cotton, linen, silk, wool, etc. 504,889, Dec. 14; Serial No. 547,824. Class 42.

Calico Printers' Association Limited, The, Manchester, England. Piece goods. 504,853, Dec. 14; Serial No. 549,507, published Sept. 7, 1948. Class 42.

Campbell, Inc., Chicago, Ill., to Constant Hosiery Mills, Inc., Milwaukee, Wis. Hosiery. 253,150, renewed Feb. 19, 1949. O. G. Dec. 14. Class 39.

Cannon, Lill, Bowersville, Ga. Bread. 248,514, renewed Oct. 23, 1948. O. G. Dec. 14. Class 46.

Cantine, Martin, Company, The, Saugerties, N. Y. Dull-finished paper. 269,125, Mar. 25, 1930. Republished Dec. 14. Class 37.

Capital City Products Company, The, Columbus, Ohio. Hydrogenated vegetable shortening. 419,610, Feb. 26, 1946. Republished Dec. 14. Class 46.

Carbon Products Co., The, Lancaster, Ohio, to Olin Industries, Inc., New Haven, Conn. Flash lights and flash-light cases. 254,020, renewed Mar. 12, 1949. O. G. Dec. 14. Class 21.

Carrel Ltd.: *See*—
Walgreen Co.

Carver File Company, by Delta File Works, Inc., Philadelphia, Pa. Files and rasps. 50,089, Mar. 6, 1906. Republished Dec. 14. Class 23.

Carvin, Charles W., Co., Inc.: *See*—
Pondel Fabrics, Inc.

Cascadian Fruit Shippers, Inc., doing business as Cascadian Sales, Wenatchee, Wash. Fresh deciduous fruits. 504,864, Dec. 14; Serial No. 514,006. Class 46.

Cascadian Sales: *See*—
Cascadian Fruit Shippers, Inc.

Caterpillar Tractor Co., Peoria, Ill. Electric generators and Diesel electric generator sets and parts for said products. 504,829, Dec. 14; Serial No. 540,642, published Sept. 14, 1948. Class 21.

Central Ohio Supply Co., The, Columbus, Ohio. Powdered jell-producing base. 441,595, Dec. 14; Serial No. 517,963, published Aug. 31, 1948. Class 46.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Duck shower-bath curtains. 278,462, Dec. 16, 1930. Republished Dec. 14. Class 42.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Copper downspouts; metal dividing strips; brass railings, etc. 287,530, Sept. 29, 1931. Republished Dec. 14. Class 12.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Metal pipe. 303,994, June 13, 1933. Republished Dec. 14. Class 13.

Chase Brass & Copper Co. Incorporated, by Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Sheet-metal and wire. 304,538, July 11, 1933. Republished Dec. 14. Class 14.

Cheesteak Company, The: *See*—
Eckhoff, Orville E.

Chelan Falls Orchards: *See*—
Brown, Geo. D., & Son, Inc.

Chemco Photoproducts Company, by Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photographic and photoengraving product. 361,019, Oct. 4, 1938. Republished Dec. 14. Class 26.

Chemco Photoproducts Company, Inc.: *See*—
Chemco Photoproducts Company.

Chic Manufacturing Co., by Princess Peggy, Inc., Peoria, Ill. Ladies' and children's dresses and pajamas. 291,817, Feb. 23, 1932. Republished Dec. 14. Class 39.

Chicago and North Western Railway Company, Chicago, Ill. Railway freight and passenger transportation services. 504,854–5, Dec. 14; Serial Nos. 528,058–9, published Sept. 14, 1948. Class 55.

Chipman Knitting Mills: *See*—
Pennsylvania Silk Hosiery Mills, Inc.

Christian Becker, Inc., by The Torsion Balance Company, New York, N. Y. Balances and weighing scales. 171,827, Aug. 14, 1923. Republished Dec. 14. Class 26.

Church & Dwight Co., Inc., New York, N. Y. Baking soda (bicarbonate of soda) and baking powder. 504,752, Dec. 14; Serial No. 526,800, published Aug. 24, 1948. Class 46.

Churngold Corporation, The: *See*—
Ohio Butterine Company, The.
Rohan, Andrew, Co., The.

Cinch Beverage Co.: *See*—
Schroeder, Ira H.

Cinch Company, The: *See*—
Schroeder, Ira H.

Cincinnati Clock & Instrument Co., Cincinnati, Ohio. Instrument for testing and analysing circuit breakers. 504,780, Dec. 14; Serial No. 531,652, published Sept. 14, 1948. Class 26.

Club Plan Sales Co.: *See*—
Lisko, S. J.

Club Razor & Blade Mfg. Corp., Newark, N. J. Razor blades. 381,108, Sept. 10, 1940. Republished Dec. 14. Class 23.

Coastal Canning Corporation, Philadelphia, Pa. Canned dog food. 424,520–7, Oct. 8, 1946. Republished Dec. 14. Class 46.

Coastal Canning Corporation, Philadelphia, Pa. Canned dog food. 430,152, June 10, 1947. Republished Dec. 14. Class 46.

Cobcut Company, The: *See*—
Haas-Lieber Grocery Company.

Cobcut Company, The, St. Louis, Mo. Canned corn. 504,811, Dec. 14; Serial No. 538,245, published Aug. 24, 1948. Class 46.

Coca Cola Company, The, Atlanta, Ga., by The Coca-Cola Company (1936), New York, N. Y. Beverages and syrups for the manufacture of such beverages. 238,145–6, Jan. 31, 1928. Republished Dec. 14. Class 45.

Coca-Cola Company (1936), The: *See*—
Coca Cola Company, The.

Collin County Mill & Elevator Co., McKinney, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 241,804–5, May 8, 1928. Republished Dec. 14. Class 46.

Color-Craft, Inc., Washington, D. C. Window posters, printed window advertising, Christmas cards, display cards, etc. 504,886, Dec. 14; Serial No. 542,844. Class 38.

Columbia Records Inc., Bridgeport, Conn. Mechanically grooved phonograph records and record blanks. 504,843, Dec. 14; Serial No. 544,550, published Sept. 14, 1948. Class 36.

Columbian Rope Company, Auburn, N. Y. Rope. 50,586, Mar. 27, 1906. Republished Dec. 14. Class 7.

Colwell Publishing Company, Champaign, Ill. Physicians' record and account book. 309,610, Jan. 23, 1934. Republished Dec. 14. Class 37.

Commercial Museum, The, Philadelphia, Pa. Bulletin issued twice each month. 441,618, Dec. 14; Serial No. 510,917. Class 38.

Cone Export and Commission Co., Inc., New York, N. Y. Cotton piece goods. 504,847, Dec. 14; Serial No. 546,649, published Sept. 7, 1948. Class 42.

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo., and New York, N. Y. Quick dry paint enamels, porch and floor paint enamels, and screen paint enamels. 335,578, June 9, 1936. Republished Dec. 14. Class 16.

Con-Ferro Paint & Varnish Company, The, St. Louis, Mo., and New York, N. Y. Ready-mixed paints, screen paint enamels, stove-pipe paint enamels, etc. 335,600, June 9, 1936. Republished Dec. 14. Class 16.

Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Quick dry paint enamels and floor and porch paint enamels. 335,615, June 9, 1936. Republished Dec. 14. Class 16.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 232,114, Aug. 30, 1927. Republished Dec. 14. Class 17.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 313,943, June 12, 1934. Republished Dec. 14. Class 17.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 323,635–6, Apr. 23, 1935. Republished Dec. 14. Class 17.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 333,064, Mar. 10, 1936. Republished Dec. 14. Class 17.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 385,464, Mar. 4, 1941. Republished Dec. 14. Class 17.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 419,937, Apr. 12, 1946. Republished Dec. 14. Class 17.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 420,413–14, Apr. 9, 1946. Republished Dec. 14, Class 17.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 424,606, Oct. 15, 1946. Republished Dec. 14. Class 17.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 425,252, Nov. 12, 1946. Republished Dec. 14. Class 17.

Constant Hosiery Mills, Inc.: *See*—
Campbell, Inc.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 316,671, Sept. 4, 1934. Republished Dec. 14. Class 49.

Corduroy Rubber Company: *See*—
Corduroy Tire Company.

Corduroy Tire Company, by Corduroy Rubber Company, Grand Rapids, Mich. Automobile tires. 247,266, Sept. 25, 1928. Republished Dec. 14. Class 35.

Corsair Company, The, Philadelphia, Pa. Storage batteries. 504,834, Dec. 14; Serial No. 541,647, published Aug. 24, 1948. Class 21.

Covey, Luther, doing business as Covey Sheet Metal Works, Holdenville, Okla. Water cans and heat insulated water coolers. 504,733, Dec. 14; Serial No. 513,031, published Sept. 14, 1948. Class 2.

Covey Sheet Metal Works: *See*—
Covey, Luther.

Cutler-Magner Company: *See*—
Smoked Products Company.
Smoked Salt Company, The.

Dalo, F.: *See*—
Dalo, Ferdinand, Sr.

Dalo, Ferdinand, Sr., doing business as F. Dalo, Sharon, Pa. Candy. 416,695, Sept. 25, 1945. Republished Dec. 14. Class 46.

Dalton Hat Co. Inc., Yonkers, N. Y. Men's hats. 231,066–7, Aug. 9, 1927. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 241,675, May 8, 1928. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 290,437. Jan. 5, 1932. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 290,484, Jan. 5, 1932. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 293,122, Apr. 12, 1932. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 322,282, Mar. 5, 1935. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's felt and straw hats and cloth caps. 328,678, Oct. 1, 1935. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 337,742, Aug. 18, 1936. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 344,860, Apr. 6, 1937. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 348,671, Aug. 3, 1937. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 383,710, Dec. 24, 1940. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 404,276, Nov. 16, 1943. Republished Dec. 14. Class 39.

Dalton Hat Co., Inc., Yonkers, N. Y. Men's hats. 407,153, May 23, 1944. Republished Dec. 14. Class 39.

Dan-Dee Pretzel and Potato Chip Company, The, Cleveland, Ohio. Noodles. 504,763, Dec. 14; Serial No. 529,608, published Aug. 24, 1948. Class 46.

Daniel, Chas. A., by Quaker Rubber Corporation, Philadelphia, Pa. Machinery packing. 52,414, May 8, 1906. Republished Dec. 14. Class 35.

DeForest Hatchery & Poultry Farm, Inc., Peabody, Kans. Baby chicks. 504,772, Dec. 14; Serial No. 530,629, published Aug. 24, 1948. Class 46.

Delaware Punch Company of America, The: *See*—
Delaware Punch Company of Texas, The.

Delaware Punch Company of Texas, The, by The Delaware Punch Company of America, San Antonio, Tex. Non-alcoholic maltless beverages, and extracts and syrups for making the same. 122,196, July 9, 1918. Republished Dec. 14. Class 45.

Delta File Works, Inc.: *See*—
Carver File Company.

Denison Mattress Factory, Denison, Tex. Mattress covers, window curtains, draperies, etc. 504,852, Dec. 14; Serial No. 548,809, published Sept. 7, 1948. Class 42.

Dietrich & Gambrill, Inc., by The Price-Wilhoite Company, Frederick, Md. Dog food. 378,311, June 4, 1940. Republished Dec. 14. Class 46.

Dix, Henry A., & Sons Corporation, New York, N. Y. Piece goods. 226,821, Apr. 19, 1927. Republished Dec. 14. Class 42.

Donaldson Floors, Inc.: *See*—
Donaldson, George J.

Donaldson, George J., doing business as Donaldson Floor Company, by Donaldson Floors, Inc., Rockford, Ill. Magnesite cement flooring. 407,203, May 23, 1944. Republished Dec. 14. Class 12.

Doray Lamp Co., Inc., Chicago, Ill. Motor vehicle accessories. 504,819, Dec. 14; Serial No. 538,731, published Sept. 7, 1948. Class 21.

Drackett Company, The: *See*—
Sherco Products Corporation.

Dry Goods Alliance, Inc.: *See*—
Syndicate-Alliance Trading Co., Inc.

Ducharne, F., Silk Co., Inc., New York, N. Y. Fabric in the piece. 441,582, Dec. 14; Serial No. 509,078, published Sept. 7, 1948. Class 42.

Dumari Textile Co., Inc., New York, N. Y. Muslin in the piece. 504,750, Dec. 14; Serial No. 525,801, published Sept. 7, 1948. Class 42.

Dustan, Frederick P., doing business as The Luminite Company, Buffalo, by Luminite Products Corporation, Salamanca, N. Y. Wall-paper, print rollers and blocks. 218,823, Oct. 5, 1926. Republished Dec. 14. Class 23.

Dwyer, F. W., Mfg. Co.: *See*—
Dwyer, Frank W.

Dwyer, F. W., Manufacturing Company: *See*—
Dwyer, Frank W.

Dwyer, Frank W., doing business as F. W. Dwyer Manufacturing Company, assignor to F. W. Dwyer Mfg. Co., Chicago, Ill. Draft gauges. 441,610, Dec. 14; Serial No. 525,072, published Sept. 7, 1948. Class 26.

Dyer, B., W., & Company, New York, N. Y. Services as a broker in sugars, syrups, and molasses. 504,857, Dec. 14; Serial No. 531,654, published Sept. 14, 1948. Class 35.

Eadington Fruit Company: *See*—
Benchley, W. L.

Eadington Fruit Company, Fullerton, Calif. Fresh oranges. 340,824, Nov. 24, 1936. Republished Dec. 14. Class 46.

Eadington Fruit Company, Fullerton, Calif. Fresh oranges. 361,746, Nov. 1, 1938. Republished Dec. 14. Class 46.

Eckhoff, Orville E., doing business as The Cheesteak Company, San Antonio, Tex. Electric combination broiler, grill, and warming oven and parts thereof. 504,833, Dec. 14; Serial No. 541,523, published Sept. 14, 1948. Class 21.

Eclipse Aviation Corporation, East Orange, by Bendix Aviation Corporation, Teterboro, N. J. Starting motors, generators and dynamotors. 335,020, May 19, 1936. Republished Dec. 14. Class 21.

Eclipse-Pioneer Division: *See*—
Bendix Aviation Corporation.

Elcor, Inc., by Elcor, Inc. (1941), Chicago, Ill. Electric dynamotors, electric motors, rotary electric converters, and inverters, etc. 375,868, Mar. 5, 1940. Republished Dec. 14. Class 21.

Elcor, Inc. (1941): *See*—
Elcor, Inc.

Elm Coated Fabrics Co., New York, N. Y. Plastic film, in the piece. 504,825, Dec. 14; Serial No. 539,947, published Sept. 7, 1948. Class 42.

Empire Manufacturing Company, Amarillo, Tex. Radio receiving sets. 504,839, Dec. 14; Serial No. 542,300, published Sept. 14, 1948. Class 21.

Evans, David G., Coffee Co., St. Louis, Mo. Tea, coffee, vanilla extract, etc. 441,593, Dec. 14; Serial No. 517,295, published Sept. 14, 1948. Class 46.

Everfast Fabrics, Inc., New York, N. Y. Linen, cotton, silk, etc., piece goods. 504,844, Dec. 14; Serial No. 546,206, published Sept. 7, 1948. Class 42.

Fair, The: *See*—
Potter, Joseph.

Fair, The, Chicago, Ill. Sheets and pillow cases. 384,373, Jan. 14, 1941. Republished Dec. 14. Class 42.

Farnsworth, Daniel W., New York, N. Y. Flannel and woolen piece goods. 94,725, Dec. 30, 1913. Republished Dec. 14. Class 42.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. 349,247, Aug. 24, 1937. Republished Dec. 14. Class 1.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. 349,469, Aug. 31, 1937. Republished Dec. 14. Class 1.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. 422,975, Aug. 20, 1946. Republished Dec. 14. Class 1.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. 427,298, Feb. 4, 1947. Republished Dec. 14. Class 1.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. 428,508, Mar. 25, 1947. Republished Dec. 14. Class 1.

Filice & Perrelli Canning Company, Inc., Richmond, Calif. Canned fruits and vegetables. 170,401, July 17, 1923. Republished Dec. 14. Class 46.

Fisher Brothers Company, The, Cleveland, Ohio. Root beer, ginger ale, orange soda and lemon soda. 237,725, Jan. 17, 1928. Republished Dec. 14. Class 45.

Fisher Flouring Mills Company, Seattle, Wash. Wheat flour. 97,229, May 26, 1914. Republished Dec. 14. Class 46.

Flood, Daniel A., by J. German and M. F. Mitchell, Okmulgee, Okla. Ointment having medicinal properties. 150,361, Jan. 3, 1922. Republished Dec. 14. Class 6.

Floridagold Citrus Corporation: *See*—
Fruit Products Company of Florida.

Flour Mills of America, Inc.: *See*—
Hoffman, C., & Son Milling Company, The.

Flour Mills Of America, Inc., Kansas City, Mo. Poultry and stock feeds. 504,720, Dec. 14; Serial No. 509,084, published Sept. 14, 1948. Class 46.

Floyd, Wm. H., Los Angeles, Calif. Canned ripe olives. 432,253, Aug. 26, 1947. Republished Dec. 14. Class 46.

Folberth Auto Specialty Co., The, Cleveland, Ohio, to Trico Products Corporation, Buffalo, N. Y. Windshield-cleaners. 148,578, renewed Jan. 5, 1948. O. G. Dec. 14. Class 19.

Ford Instrument Company, Inc., Long Island City, N. Y. Synchronous electrical angular motion transmitters and repeaters. 504,788, Dec. 14; Serial No. 534,265, published Aug. 24, 1948. Class 21.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 504,812, Dec. 14; Serial No. 538,517, published Sept. 7, 1948. Class 42.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 504,813, Dec. 14; Serial No. 538,520, published Sept. 7, 1948. Class 42.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 504,814, Dec. 14; Serial No. 538,522, published Sept. 7, 1948. Class 42.

Forsyth, James A., Santa Barbara, Calif. Weekly periodical. 504,877, Dec. 14; Serial No. 531,457. Class 38.

Foster, Charles, & Co., assignor to Charles Foster & Co., Inc., New York, N. Y. Optical goods. 504,749, Dec. 14; Serial No. 524,969, published Sept. 14, 1948. Class 26.

Foster, Charles, & Co., assignor to Charles Foster & Co., Inc., New York, N. Y. Optical goods. 504,781, Dec. 14; Serial No. 531,658, published Sept. 14, 1948. Class 26.

Foster, Charles, & Co., Inc.: *See*—
Foster, Charles, & Co.

Fox Case Corporation, to Movietonews, Inc., New York, N. Y. Motion pictures. 251,585, renewed Jan. 8, 1949. O. G. Dec. 14. Class 26.

Fox Case Corporation, to Movietonews, Inc., New York, N. Y. Motion pictures. 251,605, renewed Jan. 8, 1949. O. G. Dec. 14. Class 26.

Franklin Research Company, Philadelphia, Pa. Wax or similar preservative and protective compositions. 354,923, Mar. 1, 1938. Republished Dec. 14. Class 16.

Fraser Manufacturing Co., Inc.: *See*—
Fraser, Russell, Wire Company.

Fraser, Russell, Wire Company, now by change of name to Fraser Manufacturing Co., Inc., by Fraser Manufacturing Co., Inc., New York, N. Y. Gimp. 368,028, June 6, 1939. Republished Dec. 14. Class 40.

Frawley, R. D., doing business as Num Specialty Company, Pittsburgh, Pa. Surface anesthetics and antiseptics. 308,786, Dec. 19, 1933. Republished Dec. 14. Class 6.

Frawley, R. D., doing business as Num Specialty Company, Pittsburgh, Pa. Preparation for the prevention of nail-biting and thumb-sucking of infants. 329,522, Nov. 5, 1935. Republished Dec. 14. Class 6.

Freeman, Edwin M., Denver, Colo. Jelly-like material for use in application to coated surfaces, etc. 356,353, Apr. 26, 1938. Republished Dec. 14. Class 6.

Freeman Shoe Corporation, Beloit, Wis. Men's shoes. 346,288, May 18, 1937. Republished Dec. 14. Class 39.

Friedman, Hugo, doing business as The Hu-Friedy Mfg. Co., Chicago, Ill. Extracting elevators, dental surgical curettes, operating knives, etc. 162,754, Dec. 26, 1922. Republished Dec. 14. Class 44.

Friedman-Marks Clothing Company, Inc.: *See*—
Marks, Harry, Clothing Company, Inc.

Fruit Products Company of Florida, Eagle Lake, by Floridagold Citrus Corporation, Lake Alfred, Fla. Grapefruit juice and orange juice. 251,744, Jan. 15, 1929. Republished Dec. 14. Class 46.

Fruitvale Canning Company, Oakland, Calif. Canned fruits and canned vegetables. 375,942, Mar. 5, 1940. Republished Dec. 14. Class 46.

Fuhrer-Ford Milling Co., by Fuhrer-Ford Milling Co., Mount Vernon, Ind. Wheat flour. 106,957, Nov. 9, 1915. Republished Dec. 14. Class 46.

Gaddy, R. L., Pharmacist: *See*—
Gaddy, Robert L.

Gaddy, Robert L., doing business as R. L. Gaddy, Pharmacist, Jacksonville, Fla. Medical preparation. 504,866, Dec. 14; Serial No. 514,950. Class 6.

Gallaher, Limited, Belfast, Ireland. Smoking and chewing tobacco. 237,883, Jan. 17, 1928. Republished Dec. 14. Class 17.

Garratt-Callahan Co., by Garratt-Callahan Company of California, San Francisco, Calif. Compound used for hot-water circulating systems, automobile radiators, etc. 201,615, Aug. 4, 1925. Republished Dec. 14. Class 6.

Garratt-Callahan Company of California: *See*—
Garratt-Callahan Co.

Garrison Machine Works, Inc., Dayton, Ohio. Box-like temperature controlled cabinets. 441,572, Dec. 14; Serial No. 481,322, published Sept. 7, 1948. Class 26.

General Electric Company, Schenectady, N. Y. Electronic tube apparatus. 441,588, Dec. 14; Serial No. 512,835, published Sept. 9, 1947. Class 21.

General Grocer Company: *See*—
Haas-Lieber Grocery Company.

German, Jean: *See*—
Flood, Daniel A.

Gettelman, A., Brewing Company, Milwaukee, Wis. Brewed malt beverages. 310,398, Feb. 27, 1934. Republished Dec. 14. Class 48.

Getteiman, A., Brewing Company, Milwaukee, Wis. Beer. 360,357, Sept. 13, 1938. Republished Dec. 14. Class 48.

Gichner, Fred S., Iron Works, Inc., Washington, D. C. Ornamental metal fences, gates and gate posts, door knockers, etc. 381,798, Oct. 8, 1940. Republished Dec. 14. Class 13.

Gifford, C. M., & Sons, San Diego, Calif. Canned olives. 504,783, Dec. 14; Serial No. 532,220, published Sept. 7, 1948. Class 46.

Gilbert & Bennett Manufacturing Company, The, Georgetown, Conn. Wire-cloth. 48,034, Dec. 5, 1905. Republished Dec. 14. Class 13.

Gilbert, John O., Chocolate Company, Jackson, Mich. Candy. 251,774, Jan. 15, 1929. Republished Dec. 14. Class 46.

Gillans, Edward A., Amsterdam, by R. Z. Lindsay, New York, N. Y. Croup remedy. 110,955, June 20, 1916. Republished Dec. 14. Class 6.

Gilman Brothers Company, The, Gilman, Conn. Fibrous cotton heat and sound insulating material. 415,613, Aug. 14, 1945. Republished Dec. 14. Class 12.

Gisholt Machine Company, Madison, Wis. Machines for locating and measuring unbalance in rotating parts and bodies, etc. 504,726–7, Dec. 14; Serial No. 507,981–2, published Sept. 7, 1948. Class 26.

Goodall Rubber Company, Philadelphia, Pa. Boots. 389,712, Aug. 19, 1941. Republished Dec. 14. Class 39.

Gordon, Maurice, by Gordon Sleeprite Corp., Baltimore, Md. Mattresses, pillows, and box springs. 179,924, Feb. 19, 1924. Republished Dec. 14. Class 32.

Gordon Sleeprite Corp: *See*—
Gordon, Maurice.

Gorton-Pew Fisheries Company, by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Codfish and salt mackerel. 82,225, June 13, 1911. Republished Dec. 14. Class 46.

Gorton-Pew Fisheries Co., by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Dried boneless fish. 123,346, Oct. 29, 1918. Republished Dec. 14. Class 46.

Gorton-Pew Fisheries Company, by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Potatoes and salt fish combined. 174,518, Oct. 16, 1923. Republished Dec. 14. Class 46.

Gorton-Pew Fisheries Company, by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Salt codfish. 174,601, Oct. 23, 1923. Republished Dec. 14. Class 46.

Gorton-Pew Fisheries Company, Ltd.: *See*—
Gorton-Pew Fisheries Co.
Gorton-Pew Fisheries Company.

Grant, William, & Sons Limited, Glasgow and Dufftown, Scotland. Scotch whisky. 177,462, Dec. 18, 1923. Republished Dec. 14. Class 49.

Grant, William, & Sons Limited, Glasgow and Dufftown, Scotland. Scotch whisky. 177,467, Dec. 18, 1923. Republished Dec. 14. Class 49.

Granville Fabrics Co., New York, N. Y. Rayon fabrics in the piece. 441,617, Dec. 14; Serial No. 505,818. Class 42.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Mixture for use with milk as a malted food drink. 504,755, Dec. 14; Serial No. 527,441, published Aug. 31, 1948. Class 46.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Fresh eggs. 504,756, Dec. 14; Serial No. 527,483, published Aug. 31, 1948. Class 46.

Great Lakes Dredge & Dock Company, Chicago, Ill. Pile drivers, locomotive cranes, crawler cranes, etc. 248,738, renewed Oct. 30, 1948. O. G. Dec. 14. Class 23.

Gregory Electric Company, Chicago, Ill. Electrical apparatus. 504,736, Dec. 14; Serial No. 515,874, published Sept. 14, 1948. Class 21.

Griffith Laboratories, The: *See*—
Griffith Laboratories, Inc., The.

Griffith Laboratories, Inc., The, doing business as The Griffith Laboratories, Chicago, Ill. Seasonings. 504,730–1, Dec. 14; Serial Nos. 510,169–70, published Sept. 14, 1948. Class 46.

Haas-Lieber Grocery Company, by The Cobcut Company, St. Louis, Mo. Canned goods. 181,555, Mar. 25, 1924. Republished Dec. 14. Class 46.

Haas-Lieber Grocery Company, by General Grocer Company, St. Louis, Mo. Canned goods. 197,918, Apr. 28, 1925. Republished Dec. 14. Class 46.

Haire Publishing Company, New York, N. Y. Technical magazine. 441,619, Dec. 14; Serial No. 513,973. Class 38.

Hale, E. M., and Company, Eau Claire, Wis. Books and manuals. 384,073, Jan. 7, 1941. Republished Dec. 14. Class 38.

Hall Baking Co., Buffalo, N. Y. Bread. 254,454, renewed Mar. 26, 1940. O. G. Dec. 14. Class 46.

Hallicrafters Co., The, Chicago, Ill., assignor to The Magnavox Company, Ft. Wayne, Ind. Radio receiving sets, automatic electric phonograph players and phonograph record changers, etc. 504,720, Dec. 14; Serial No. 491,254, published May 11, 1948. Class 21.

Halstead Milling & Elevator Co., The, Halstead, Kans., by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 124,097, Jan. 14, 1919. Republished Dec. 14. Class 46.

Handler, Edward J., doing business as Edward Handler & Son, Newark, N. J. Dental chuck. 504,882, Dec. 14; Serial No. 533,885. Class 44.

Handler, Edward, & Son: *See*—
Handler, Edward J.

Hanna, M. A., Company, The: *See*—
Susquehanna Collieries Company.

Harden Associates, Inc., New York, N. Y. Radio receiving sets. 504,823, Dec. 14; Serial No. 539,515, published Aug. 17, 1948. Class 21.

Hardware Dealers Mutual Fire Insurance Company, Stevens Point, Wis. Fire and casualty insurance. 504,858, Dec. 14; Serial No. 532,825, published Sept. 14, 1948. Class 55.

Hardwood Products Company, Mayville, Mich. Toothpicks. 332,743, Feb. 25, 1936. Republished Dec. 14. Class 44.

Hatfield Campbell Creek Coal Company: *See*—
Plymouth Coal and Mining Co.

Hawaiian Pineapple Company, Ltd.: *See*—
Hawaiian Pineapple Co. Ltd.
Hawaiian Pineapple Company, Limited.

Hawaiian Pineapple Co., Ltd., Honolulu, by Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned pineapple. 99,212–13, Aug. 25, 1914. Republished Dec. 14. Class 46.

Hawaiian Pineapple Co., Ltd., Honolulu, Hawaii, by Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Honolulu, Hawaii. Canned pineapples. 103,430, Apr. 6, 1915. Republished Dec. 14. Class 46.

Hawaiian Pineapple Co. Ltd., Honolulu, Hawaii, by Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Honolulu, Hawaii. Canned pineapples. 125,646, June 3, 1919. Republished Dec. 14. Class 46.

Hawaiian Pineapple Company, Limited, Iwilei and Honolulu, Hawaii, by Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned pineapples. 130,510, Apr. 27, 1920. Republished Dec. 14. Class 46.

Herschel, R., Manufacturing Co., Peoria, Ill. Mower, binder, header, and reaper guards, heads, and pitman boxes, etc. 164,594, Feb. 20, 1923. Republished Dec. 14. Class 23.

Hoffman, C., & Son Milling Company, The, Enterprise, Kans., to Flour Mills of America, Inc., Kansas City, Mo. Wheat-flour. 70,518, re-renewed Sept. 8, 1948. O. G. Dec. 14. Class 46.

Home Furnishings Style Council, The, New York, N. Y. Carpets and rugs, and for upholstery and drapery fabrics, etc. 441,592, Dec. 14; Serial No. 517,133, published Sept. 7, 1948. Class 42.

Hood Chemical Co., Inc.: *See*—
Beacon Chemical Corporation.
Washing Fluid Chemical Co.

Horne, E. C., doing business as E. C. Horne Machinery Co., Denver, Colo. Flexible spring belt conveyors. 399,013, Dec. 8, 1942. Republished Dec. 14. Class 23.

Horne, E. C., Machinery Co.: *See*—
Horne, E. C.

Household Paper Products Co., Detroit, Mich. Plastic wardrobe bags, paper bags, paper cups, etc. 504,828, Dec. 14; Serial No. 540,510, published Sept. 14, 1948. Class 2.

Howel, Clayton J., by Wonder-Orange Co., Chicago, Ill. Nonalcoholic maltless beverages sold as soft drinks and syrups and extracts for making the same. 332,208, Feb. 4, 1936. Republished Dec. 14. Class 45.

Hu-Friedy Mfg. Co.: *See*—
Friedman, Hugo.

Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa. Textile rugs and carpets. 504,792, Dec. 14; Serial No. 534,801, published Sept. 7, 1948. Class 42.

Illinois Canning Co., Hoopeston, Ill. Canned corn. 23,464, Aug. 8, 1893. Amended. O. G. Dec. 14. Class 46.

Illinois Canning Co., Hoopeston, Ill. Canned corn. 23,481, Aug. 15, 1893. Amended. O. G. Dec. 14. Class 46.

Impell, Thomas, by Tom's Scalpade, Inc., Cold Spring, N. Y. Scalp cleanser and hair dressing. 411,594, Jan. 23, 1945. Republished Dec. 14. Class 6.

Imperial Type Metal Company: *See*—
Imperial Type Metal Co.

Imperial Type Metal Co., by Imperial Type Metal Company, Philadelphia, Pa. Type-metal. 192,517, Dec. 9, 1924. Republished Dec. 14. Class 14.

Ingles, Glenn R., doing business as Pellet Feed & Fertilizer Co., Houston, Tex. Fertilizer for fertilizing soil. 504,874, Dec. 14; Serial No. 529,770. Class 10.

International Cellucotton Products Company: *See*—
Veldown Company, Inc.

International Commercial Co., Inc., Chicago, Ill., now by change of name International Packers Commercial Co. Inc. Beef and sheep casings used for sausage containers. 504,790, Dec. 14; Serial No. 534,534, published Sept. 7, 1948. Class 46.

International Compositions Company, Inc., by International Paint Company, Inc., New York, N. Y. Ready-mixed paints. 287,497, Sept. 29, 1931. Republished Dec. 14. Class 16.

International Minerals and Chemical Corporation, Chicago, Ill. Food savoring powders. 504,757, Dec. 14; Serial No. 527,497, published Aug. 24, 1948. Class 46.

International Packers Commercial Co. Inc.: *See*—
International Commercial Co., Inc.

International Paint Company, Inc.: *See*—
International Compositions Company, Inc.

International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Autograph paper, bill heads, blank books, etc. 398,018, Oct. 6, 1942. Republished Dec. 14. Classes 37, 23, and 13.

International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Almanacs, annual publications, book series, etc. 398,019, Oct. 6, 1942. Republished Dec. 14. Class 38.

International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Autograph paper, bill heads, blank books, etc. 398,020, Oct. 6, 1942. Republished Dec. 14. Classes 37, 23, and 13.

International Printing Pressmen and Assistants' Union of North America, Pressmen's Home, Tenn. Almanacs, annual publications, book series, etc. 398,021, Oct. 6, 1942. Republished Dec. 14. Class 38.

International Products Corporation, New York, N. Y., by Republic Food Products Co., Chicago, Ill. Food products. 318,554, Oct. 30, 1934. Republished Dec. 14. Class 46.

International Shoe Company: *See*—
Plant, Thomas G., Company.
Plant, Thomas G., Corporation.

Irwin Auger Bit Company, The, Wilmington, Ohio. Bits and augers. 65,244, Sept. 17, 1907. Republished Dec. 14. Class 23.

Irwin Auger Bit Company, The, Wilmington, Ohio. Auger bits. 367,384, May 16, 1939. Republished Dec. 14. Class 23.

Irwin Auger Bit Company, The, Wilmington, Ohio. Auger bits. 373,152, Nov. 28, 1939. Republished Dec. 14. Class 23.

Irwin Auger Bit Company, The, Wilmington, Ohio. Expansive wood-boring auger bits. 379,090, July 2, 1940. Republished Dec. 14. Class 23.

Jacobi, Martin, Inc., Buffalo, N. Y. Men's outer shirts. 393,144, Jan. 27, 1942. Republished Dec. 14. Class 39.

James Cycle Co. Limited, The, Birmingham, England. Bicycles, motorcycles, tricycles, etc. 127,423, renewed Nov. 11, 1939. O. G. Dec. 14. Classes 19 and 22.

Jantzen Knitting Mills, assignor to Jantzen Knitting Mills Inc., Portland, Oreg. Woven textile fabric. 441,589, Dec. 14; Serial No. 515,117, published Sept. 7, 1948. Class 42.

Jantzen Knitting Mills Inc., assignee: *See*—
Jantzen Knitting Mills.

Jaton Manufacturing Corporation, to Marine Canvas Supply Corporation, Brooklyn, N. Y. Impregnated fabrics. 252,083, renewed Jan. 22, 1949. O. G. Dec. 14. Class 42.

Jay, Emanuel, Publications, Incorporated, Philadelphia, Pa. Publication issued every fourth week. 504,867–8, Dec. 14; Serial Nos. 519,266–7. Class 38.

Jems Company: *See*—
Jones, Morris E.

Jersee Company, The, Minneapolis, Minn. Concentrated food product. 504,824, Dec. 14; Serial No. 539,593, published Sept. 7, 1948. Class 46.

Johnson Biscuit Company, Sioux City, Iowa. Bread. 504,771, Dec. 14; Serial No. 530,515, published Sept. 7, 1948. Class 46.

Jones, Morris E., doing business as Jems Company, St. Louis, Mo. Coasters. 441,578, Dec. 14; Serial No. 505,419, published Sept. 14, 1948. Class 2.

Joseph, Amie L., New York, N. Y. Household utility bucket-type plastic refuse or utility container. 504,735, Dec. 14; Serial No. 514,456, published Sept. 14, 1948. Class 2.

K K K Medicine Company, Keokuk, Iowa. Spices. 504,760, Dec. 14; Serial No. 529,469, published Aug. 31, 1948. Class 46.

K-T-S Products: *See*—
Sheffield Company, The.

Kales Stamping Company, by Whitehead Stamping Company, Detroit, Mich. Mirrors for motor vehicles. 197,613, Apr. 21, 1925. Republished Dec. 14. Class 19.

Kalmbach Publishing Company, Milwaukee, Wis. Magazine of general circulation relating to ships and sailing. 504,872, Dec. 14; Serial No. 524,401. Class 38.

Keith, Ben E., doing business as Ben E. Keith Company, Fort Worth, Tex. Fresh citrus fruits, fresh deciduous fruits, and fresh vegetables. 504,751, Dec. 14; Serial No. 526,245, published Sept. 14, 1948. Class 46.

Keith, Ben E., Company: *See*—
Keith, Ben E.

Kelling Nut Co., The, Chicago, Ill. Salted and plain nut meats. 504,773, Dec. 14; Serial No. 530,646, published Sept. 14, 1948. Class 46.

Ken-Gord Mfg. Corp., Chicago Heights, Ill. Non-woven rayon fabrics, window curtains, tablecloths, etc. 441,580, Dec. 14; Serial No. 508,848, published Sept. 7, 1948. Class 42.

Kerr Salt Company: *See*—
Worcester Salt Company.

Keystone Macaroni Company, by Keystone Macaroni Mfg. Co., Lebanon, Pa. Macaroni. 128,415, Jan. 6, 1920. Republished Dec. 14. Class 46.

Keystone Macaroni Mfg. Co.: *See*—
Keystone Macaroni Company.

King, Robert C., & Co.: *See*—
King, Robert C., & Company.

King, Robert C., & Company, by Robert C. King & Co., New York, N. Y. Underwear for men and boys. 355,648, Mar. 22, 1938. Republished Dec. 14. Class 39.

Klamkin, Louis L., doing business as Puritee Thermometer Co., Brooklyn, N. Y. Thermometers. 404,297, Nov. 16, 1943. Republished Dec. 14. Class 26.

Kogos, Frederick, doing business as Frederick Kogos Publishing Company, New York, N. Y. Annually published manuals and sections in magazines. 441,616, Dec. 14; Serial No. 497,391. Class 38.

Kogos, Frederick, Publishing Company: *See*—
Kogos, Frederick.

Krause, Chas. A., Milling Co., Milwaukee, Wis. Dusting meal. 504,786, Dec. 14; Serial No. 534,025, published Aug. 24, 1948. Class 46.

Krauth & Benninghofen, Hamilton, Ohio. Music stands. 504,804, Dec. 14; Serial No. 537,198, published Sept. 14, 1948. Class 36.

Kroehler Manufacturing Company, Naperville, Ill. Lounge chairs. 390,262, Sept. 16, 1941. Republished Dec. 14. Class 32.

Kroehler Manufacturing Company, Naperville, Ill. Upholstered living room furniture. 416,428, Sept. 11, 1945. Republished Dec. 14. Class 32.

Lachman, Charles, Co., Inc., Philadelphia, Pa., by American Hair & Felt Company, Chicago, Ill. Thermal and sound insulating building products. 294,077, May 17, 1932. Republished Dec. 14. Class 12.

Lachman, Charles, Co., Inc., Philadelphia, Pa., by American Hair & Felt Company, Chicago, Ill. Thermal and sound insulating buildings products. 294,079, May 17, 1932. Republished Dec. 14. Class 12.

La Habra Citrus Association, La Habra, Calif. Fresh lemons. 128,246, Dec. 30, 1919. Republished Dec. 14. Class 46.

La Habra Citrus Association, La Habra, Calif. Fresh citrus fruits. 412,355, Mar. 6, 1945. Republished Dec. 14. Class 46.

Laird, Schober and Co., Philadelphia, Pa., by Laird, Schober & Co., Inc., Haverhill, Mass. Fixed or removable insoles or inner soles of boots or shoes and for ladies' and children's shoes. 263,005, Oct. 29, 1929. Republished Dec. 14. Class 39.

Laird, Schober & Co., Inc.: *See*—
Laird, Schober and Co.

La Verne Orange Association, La Verne, Calif. Fresh citrus fruits. 301,063, Feb. 14, 1933. Republished Dec. 14. Class 46.

La Verne Orange Association, La Verne, Calif. Fresh citrus fruits. 322,812, Mar. 19, 1935. Republished Dec. 14. Class 46.

Lees, James, and Sons Company, Bridgeport, Conn. House organ published at irregular intervals. 504,871, Dec. 14; Serial No. 524,243. Class 38.

Leistikow, L. A., & Sons, Inc., Chicago, Ill. Fresh, smoked, and pickled fish. 441,585, Dec. 14; Serial No. 511,626, published Aug. 24, 1948. Class 46.

Leland, G. H., Inc., Dayton, Ohio. Electrical devices. 504,841, Dec. 14; Serial No. 542,853, published Sept. 7, 1948. Class 21.

Lin-Bren Products Corporation, The, Mamaroneck, N. Y. Empty compacts. 504,887, Dec. 14; Serial No. 543,305. Class 2.

Lind, William, doing business as William Lind Co., New York, N. Y. Cotton piece goods. 291,660, Feb. 23, 1932. Republished Dec. 14. Class 42.

Lind, William, doing business as William Lind Co., New York, N. Y. Nainsook and cotton piece goods. 310,417, Feb. 27, 1934. Republished Dec. 14. Class 42.

Lind, William, doing business as William Lind Co., New York, N. Y. Cotton piece goods. 310,549, Feb. 27, 1934. Republished Dec. 14. Class 42.

Lind, William, doing business as William Lind Co., New York, N. Y. Cotton piece goods. 310,536, Feb. 27, 1934. Republished Dec. 14. Class 42.

Lind, William, doing business as William Lind Co., New York, N. Y. Cotton piece goods. 332,545–6, Feb. 18, 1936. Republished Dec. 14. Class 42.

Lind, William, Co.: *See*—
Lind, William.

Lindsay, Robert Z.: *See*—
Gillans, Edward A.

Lisko, S. J., doing business as Club Plan Sales Co., Youngstown, Ohio. Wool blankets and cotton rugs. 504,721, Dec. 14; Serial No. 494,453, published Sept. 7, 1948. Class 42.

Loew's Incorporated: *See*—
Metro Pictures Corporation.

Louisville Textiles, Incorporated, Louisville, Ky. Upholstery, drapery and decorative fabrics, in the piece. 504,800, Dec. 14; Serial No. 536,108, published Sept. 7, 1948. Class 42.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid syrups or concentrates for making the same. 504,796, Dec. 14; Serial No. 535,331, published Sept. 7, 1948. Class 46.

Lowell Lingerie Company, by Lowell Lingerie Company, Lowell, Mass. Slips for women, misses, and girls. 416,511, Sept. 18, 1945. Republished Dec. 14. Class 39.

Luminite Company, The: *See*—
Dustan, Frederick P.

Luminite Products Corporation: *See*—
Dustan, Frederick P.

Lyk-Nu Company: *See*—
Banks, Al A.

Lynchburg Milling Company, Lynchburg, Va. Wheat flour. 353,512, Jan. 11, 1938. Republished Dec. 14. Class 46.

Lyndonville Canning Company, Inc., Lyndonville, N. Y. Canned apple sauce and canned peas. 504,741, Dec. 14; Serial No. 518,086, published Sept. 14, 1948. Class 46.

M-Roid Co.: *See*—
Metcalf, Arthur H.

Mackie & Coy, Distillers, Ltd., by White Horse Distillers Limited, Glasgow, Scotland. Scotch whisky. 101,072, Nov. 10, 1914. Republished Dec. 14. Class 49.

Mackwin Company, The, by McConnon and Company, Winona, Minn. Insecticide. 371,317, Sept. 19, 1939. Republished Dec. 14. Class 6.

Maggio, Joe, Holtville, Calif. Fresh vegetables. 420,914, May 7, 1946. Republished Dec. 14. Class 46.

Maginn's Cotton Mills: *See*—
Benjamin, E. V., Company, Inc., The.

Magnavox Company, The: *See*—
Hallicrafters Co., The.

Magnavox Company, The, Fort Wayne, Ind. Radio receiving sets and radio phonograph combination sets. 504,782, Dec. 14; Serial No. 532,144, published Apr. 6, 1948. Class 21.

Maguire Industries, Incorporated, New York, N. Y., and Chicago, Ill. Electric transformers. 504,759, Dec. 14; Serial No. 528,936, published Sept. 7, 1948. Class 21.

Manchester Hosiery Mills: *See*—
Massachusetts Knitting Mills.

Manteca Canning Company, Manteca, Calif. Canned tomatoes, canned pimientos, canned sweet potatoes, etc. 120,886, Mar. 12, 1918. Republished Dec. 14. Class 46.

Manteca Canning Company, Manteca, Calif. Canned tomatoes with purée, canned tomato purée, canned pears, etc. 120,887, Mar. 12, 1918. Republished Dec. 14. Class 46.

Manteca Canning Company, Manteca, Calif. Canned fruits. 132,737, June 29, 1920. Republished Dec. 14. Class 46.

Mapa, Alfred, Dallas, Tex. Personalized and caricatured printed cards. 504,876, Dec. 14; Serial No. 530,945. Class 38.

Marine Canvas Supply Corporation: *See*—
Jaton Manufacturing Corporation.

Marks, Harry, Clothing Company, Inc., to Friedman-Marks Clothing Company, Inc., Richmond, Va. Men's and boys' coats, vests, pants, etc. 249,483, renewed Nov. 13, 1948. O. G. Dec. 14. Class 39.

Mar-O-Bar Company: *See*—
Mars, Frank C.

Mars, Frank C., doing business as Mar-O-Bar Company, Minneapolis, Minn., by Mars, Incorporated, Chicago, Ill. Candy. 196,182, Mar. 10, 1925. Republished Dec. 14. Class 46.

Mars, Incorporated: *See*—
Mars, Frank C.

Marshall Field & Company, Chicago, Ill. Woolen blankets; window curtains and drapes of cotton or rayon, etc. 504,838, Dec. 14; Serial No. 541,825, published Sept. 7, 1948. Class 42.

Martin Fireproofing Corporation, Buffalo, N. Y. Masonry cutting machines and parts thereof. 383,516, Dec. 10, 1940. Republished Dec. 14. Class 23.

Martin Fireproofing Corporation, Buffalo, N. Y. Tongue and groove aerated concrete planks. 396,080, June 30, 1942. Republished Dec. 14. Class 12.

Martin Fireproofing Corporation, Buffalo, N. Y. Reinforced concrete channel-shaped slab or plank. 412,640, Mar. 20, 1945. Republished Dec. 14. Class 12.

Marvin, W. H., Company, The, Urbana, Ohio. Currants. 81,535–6, Apr. 18, 1911. Republished Dec. 14. Class 46.

Marvin, W. H., Company, The, Urbana, Ohio. Mince meat. 81,537, Apr. 18, 1911. Republished Dec. 14. Class 46.

Marvin, W. H., Company, The, Urbana, Ohio. Currants. 81,538, Apr. 18, 1911. Republished Dec. 14. Class 46.

Marvin, W. H., Company, The, Urbana, Ohio. Mince meat. 81,892, May 16, 1911. Republished Dec. 14. Class 46.

Marvin, W. H., Company, The, Urbana, Ohio. Mince meat. 85,667, Mar. 5, 1912. Republished Dec. 14. Class 46.

Marvin, W. H., Company, The, Urbana, Ohio. Mince meat. 91,103, Apr. 15, 1913. Republished Dec. 14. Class 46.

Mason Candy Company, The, Trinidad, Colo. Candy. 504,789, Dec. 14; Serial No. 534,300, published Aug. 24, 1948. Class 46.

Massachusetts Knitting Mills, Boston, Mass., by Manchester Hosiery Mills, Manchester, N. H. Hosiery. 300,584, Jan. 24, 1933. Republished Dec. 14. Class 39.

Massera, Al., by W. Massera, doing business as Al. Massera, Watsonville, Calif. Fresh vegetables. 398,230, Oct. 20, 1942. Republished Dec. 14. Class 46.

Massera, Wilma: *See*—
Massera, Al.

Master Rule Manufacturing Co., Inc., New York, N. Y. Rules, folding rules, and extension rules. 388,720, July 8, 1941. Republished Dec. 14. Class 26.

Mathaids Manufacturing Co., Syracuse, N. Y. Printed educational mechanical card devices for teaching and learning elementary arithmetic. 504,885, Dec. 14; Serial No. 542,326. Class 38.

Matthews, W. N., Corporation, St. Louis, Mo. Electrical cutouts. 504,748, Dec. 14; Serial No. 522,896, published Sept. 7, 1948. Class 21.

Maul Company, The, by Maul Macotta Corporation, Detroit, Mich. Concrete units. 285,666, Aug. 4, 1931. Republished Dec. 14. Class 12.

Maul Macotta Corporation: *See*—
Maul Company, The.

McConnon and Company: *See*—
Mackwin Company, The.

Mead Johnson & Company, Evansville, Ind. Specially prepared cereal foods. 504,835, Dec. 14; Serial No. 541,757, published Sept. 7, 1948. Class 46.

Mead Johnson & Company, Evansville, Ind. Specially prepared food product. 504,836, Dec. 14; Serial No. 541,759, published Aug. 24, 1948. Class 46.

Meier & Frank Company, Inc., Portland, Oreg. Bedroom, living room, dining room, and dinette furniture. 359,154, Aug. 9, 1938. Republished Dec. 14. Class 32.

Mente & Co., Inc., New Orleans, La. Twine of cotton or jute. 309,172, Jan. 2, 1934. Republished Dec. 14. Class 7.

Menus, Inc., Minneapolis, Minn. Printed and lithographed menus and bills of fare. 504,873, Dec. 14; Serial No. 529,078. Class 38.

Metcalf, Ada D.: *See*—
Metcalf, Arthur H.

Metcalf, Arthur H., doing business as M-Roid Co., to A. D. Metcalf, New Haven, Conn. Ointment. 249,437, renewed Nov. 13, 1948. O. G. Dec. 14. Class 6.

Metro Pictures Corporation, by Loew's Incorporated, New York, N. Y. Motion picture films. 171,816, Aug. 14, 1923. Republished Dec. 14. Class 26.

Metro Pictures Corporation, by Loew's Incorporated, New York, N. Y. Motion-picture films. 178,349, Jan. 8, 1924. Republished Dec. 14. Class 26.

Metronome Corporation, New York, N. Y. Monthly musical publication. 504,865, Dec. 14; Serial No. 514,666. Class 38.

Meyer & Lange, Inc., New York, N. Y. Anchovies, antipasto, apple sauce, etc. 215,580, July 20, 1926. Republished Dec. 14. Class 46.

Midland Flour Milling Co., The: *See*—
Blackwell Milling & Elevator Company.
Halstead Milling & Elevator Co., The.
Ottawa Milling Company.
Midland Milling Company, The.

Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 359,416, Aug. 16, 1938. Republished Dec. 14. Class 46.

Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 368,974, July 11, 1939. Republished Dec. 14. Class 46.

Midland Milling Company, assignee: *See*—
Midland Milling Company, The.

Midland Milling Company, The, Kansas City, assignor to Midland Milling Company, by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 119,100, Oct. 23, 1917. Republished Dec. 14. Class 46.

Midland Milling Company, The, Kansas City, by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 119,461. Nov. 20, 1917. Republished Dec. 14. Class 46.

Midland Milling Company, The, Kansas City, assignor to Midland Milling Company, by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 120,278, Jan. 29, 1918. Republished Dec. 14. Class 46.

Miller, William J., Milwaukee, Wis. Electric lamps. 434,046, Nov. 4, 1947. Republished Dec. 14. Class 21.

Mineral Clay Products Company: *See*—
Young, Charles W.

Minter, Martha P., doing business as Totus Mfg. Co., by Totus Manufacturing Company, Inc., Philadelphia, Pa. Antiseptic deodorant powders, and medicated greaseless skin creams. 365,970, Mar. 21, 1939. Republished Dec. 14. Class 6.

Mitchell, F. O., & Bro. Inc., Perryman, Md. Canned corn. 504,801, Dec. 14; Serial No. 536,119, published Aug. 31, 1948. Class 46.

Mitchell, Myrtle F.: *See*—
Flood, Daniel A.

Mitchell, P. R., Co., The, Cincinnati, Ohio. Pillows. 244,703, July 24, 1928. Republished Dec. 14. Class 32.

Modern Hygiene Corporation, Boston, Mass. Electric vacuum cleaners. 504,806, Dec. 14; Serial No. 537,810, published Sept. 7, 1948. Class 21.

Morgan Citrus Company: *See*—
Morgan, Joseph F.

Morgan, Joseph F., doing business as Morgan Citrus Company, Alamo, Tex. Fresh citrus fruits. 504,878, Dec. 14; Serial No. 532,323. Class 46.

Mt. Holyoke Tissue Mills, by American Tissue Mills, Holyoke, Mass. Toilet-paper. 100,014, Sept. 29, 1914. Republished Dec. 14. Class 37.

Movietonews, Inc.: *See*—
Fox Case Corporation.

Mule Battery Mfg. Co.: *See*—
Setzer, Albert.

Mulford Colloid Laboratories, Philadelphia, Pa. Solution of certain metallic colloids. 348,590, Aug. 3, 1937. Republished Dec. 14. Class 6.

Mulford Colloid Laboratories, Philadelphia, Pa. Solution of sulphur in colloidal form. 359,660, Aug. 30, 1938. Republished Dec. 14. Class 6.

Mulphy, G. C., Company, McKeesport, Pa. Articles of personal apparel. 386,708, Apr. 22, 1941. Republished Dec. 14. Class 39.

Multi-Clean Products, Incorporated, St. Paul, Minn. Electrically operated floor polishers and cleaners. 504,776, Dec. 14; Serial No. 531,047, published Sept. 14, 1948. Class 21.

Myers, Harry, and Company, Inc.: *See*—
Sonneborn, Henry.

National Association of Real Estate Boards, Chicago, Ill. Services in connection with the brokerage of real estate, etc. 504,859, Dec. 14; Serial No. 540,011, published Sept. 14, 1948. Class 55.

National Cash Register Company, The, assignee: *See*—
Wales Adding Machine Company.

National Coal Association, Washington, D. C. Bulletin published from time to time devoted to coal heating. 504,863, Dec. 14; Serial No. 512,980. Class 38.

National Pectin Products Company, Chicago, Ill. Ice cream stabilizer. 504,805, Dec. 14; Serial No. 537,476, published Aug. 24, 1948. Class 46.

National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 252,742, renewed Feb. 12, 1949. O. G. Dec. 14. Class 24.

National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 252,746–7, renewed Feb. 12, 1949. O. G. Dec. 14. Class 24.

Nekoosa-Edwards Paper Company, Port Edwards, Wis. Wrapping and printing paper and converting papers. 278,724, Dec. 30, 1930. Republished Dec. 14. Class 37.

Neuman and Schwiers Company, The, New York, N. Y. Canned food products. 441,573, Dec. 14; Serial No. 489,235, published Sept. 7, 1948. Class 46.

Newark Paraffine & Parchment Paper Co., Newark, N. J. Wax-paper bags. 254,809, renewed Apr. 2, 1949. O. G. Dec. 14. Class 2.

New England Homestead Company: *See*—
Orange Judd Company.

New York Merchandise Co., Inc., New York, N. Y. Hair nets. 249,643, renewed Nov. 20, 1948. O. G. Dec. 14. Class 39.

Nicoll, R. C., doing business as Valarie Jean Date Shop, Thermal, Calif. Packages containing date cake, date candy, stuffed dates, and fresh dates. 403,966, Oct. 26, 1943. Republished Dec. 14. Class 46.

Norfolk Packing Co., Norfolk, Nebr., to Tolerton & Warfield Co., Sioux City, Iowa. Canned vegetables, canned pork and beans, canned sauerkraut, etc. 252,467, renewed Feb. 5, 1949. O. G. Dec. 14. Class 46.

Norfolk Packing Co., Norfolk, Nebr., to Tolerton & Warfield Co., Sioux City, Iowa. Canned vegetables. 354,394, renewed Mar. 26, 1949. O. G. Dec. 14. Class 46.

Norris Inc., Atlanta, Ga. Candy. 441,600, Dec. 14; Serial No. 519,486, published Aug. 24, 1948. Class 46.

Northwest Packing Co., Portland, Oreg. Canned vegetables. 441,581, Dec. 14; Serial No. 509,026, published Aug. 31, 1948. Class 46.

Num Specialty Company: *See*—
Frawley, R. D.

O'Hanlon, Wm., & Co. Limited, Manchester, England. Piece goods, comforts, bedspreads, etc. 504,820, Dec. 14; Serial No. 539,202, published Sept. 7, 1948. Class 42.

Ohio Brass Company, The, Mansfield, Ohio. Electric connectors, electric conductors, and electric rail bonds. 504,732, Dec. 14; Serial No. 511,570, published Sept. 14, 1948. Class 21.

Ohio Butterine Company, The, by The Churngold Corporation, Cincinnati, Ohio, Oleomargarin. 92,821, July 20, 1913. Republished Dec. 14. Class 46.

Ohio Butterine Company, The, by The Churngold Corporation, Cincinnati, Ohio. Oleomargarin. 94,023, Oct. 28, 1913. Republished Dec. 14. Class 46.

Ohio Butterine Company, The, by The Churngold Corporation, Cincinnati, Ohio. Oleomargarin. 107,366, Nov. 23, 1915. Republished Dec. 14, 1948. Class 46.

Ohio Butterine Company, The, by The Churngold Corporation, Cincinnati, Ohio. Oleomargarin. 107,934, Jan. 4, 1916. Republished Dec. 14. Class 46.

Ohio Butterine Company, The, by The Churngold Corporation, Cincinnati, Ohio. Oleomargarin. 109,122, Mar. 21, 1916. Republished Dec. 14. Class 46.

Ohio Butterine Company, The, by The Churngold Corporation, Cincinnati, Ohio. Oleomargarin. 122,809, Sept. 17, 1918. Republished Dec. 14. Class 46.

Oklahoma City Mill & Elevator Co., Oklahoma City, Okla., by Rival Foods, Inc., Cambridge, Mass. Flour. 40,738, July 7, 1903. Republished Dec. 14. Class 46.

Olin Industries, Inc.: *See*—
Carbon Products Co., The.

Olympia Canning Company, Olympia, Wash. Canned fruits. 184,085, May 20, 1924. Republished Dec. 14. Class 46.

Oneonta Trading Corporation, Wenatchee, Wash. Fresh apples and pears. 504,794, Dec. 14; Serial No. 534,918, published Aug. 24, 1948. Class 46.

Oppenheim, Collins & Co. Inc., New York, N. Y. Women's, misses', and children's shoes. 223,711, Feb. 8, 1927. Republished Dec. 14. Class 39.

Orange Judd Company, New York, N. Y., by New England Homestead Company, Springfield, Mass. Periodicals. 46,136, Sept. 5, 1905. Republished Dec. 14. Class 38.

Orefraction Incorporated, Pittsburgh, Pa. Prepared ceramic electrical insulating materials. 441,609, Dec. 14; Serial No. 525,021, published Aug. 24, 1948. Class 21.

Orfanos, Harry, Calexico, Calif. Canned abalone. 504,791, Dec. 14; Serial No. 534,546, published Aug. 31, 1948. Class 46.

O'Rourke, Eubanks Hat Co., San Francisco, Calif., by Sussex-O'Rourke Hats, Inc., New York, N. Y. Men's hats. 158,047, Aug. 22, 1922. Republished Dec. 14. Class 39.

Ostby and Barton Company, Providence, R. I. Jewelry. 313,362, May 29, 1934. Republished Dec. 14. Class 28.

Ostby and Barton Company, Providence, R. I. Jewelry. 314,155, June 19, 1934. Republished Dec. 14. Class 28.

Ostby and Barton Company, Providence, R. I. Jewelry. 334,957, May 19, 1936. Republished Dec. 14. Class 28.

Ostby and Barton Company, Providence, R. I. Jewelry. 368,693, June 27, 1939. Republished Dec. 14. Class 28.

Ostby and Barton Company, Providence, R. I. Jewelry. 373,832, Dec. 26, 1939. Republished Dec. 14. Class 28.

Osterweis, Lewis & Sons, New Haven, Conn. Cigars. 244,765, July 24, 1928. Republished Dec. 14. Class 17.

Osterweis, Lewis & Sons, New Haven, Conn. Cigars. 335,748, June 16, 1936. Republished Dec. 14. Class 17.

Otis, McAllister & Co., San Francisco, Calif. Canned fish. 441,604, Dec. 14; Serial No. 523,088, published Aug. 24, 1948. Class 46.

Ottawa Milling Company, Kansas City, Mo., and Ottawa, Kans., by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 126,331, Aug. 19, 1919. Republished Dec. 14. Class 46.

P. M. C. Company, Inc., Swedesboro, N. J. Canned tomatoes, tomato paste, and tomato puree. 441,611, Dec. 14; Serial No. 525,098, published Aug. 24, 1948. Class 46.

Pacific Mills, New York, N. Y., and Boston, Mass. Sheets and pillow cases. 504,850, Dec. 14; Serial No. 547,871, published Sept. 7, 1948. Class 42.

Pacific Raisin Company: *See*—
Santikian, George.

Pacific Raisin Company, Incorporated: *See*—
Santikian, George.

Pack, Karl Maeser, assignee: *See*—
Western Pharmacal Company.

Pantato Company: *See*—
Bangert, Harold W. . .

Parker, I. C., Fort Worth, Tex. Ice cream confection. 504,742, Dec. 14; Serial No. 518,317, published Sept. 14, 1948. Class 46.

Parker, I. C., Fort Worth, Tex. Ice cream confection. 504,743, Dec. 14; Serial No. 519,412, published Sept. 14, 1948. Class 46.

Parkland Sportswear Co., Inc., Dallas, Tex. Women's sportswear. 411,708, Jan. 30, 1945. Republished Dec. 14. Class 39.

Patricia Petticoat Co. Inc., The, by Rhythm Lingerie, Inc., New York, N. Y. Ladies' silk or rayon slips, nightgowns, pajamas, etc. 308,636, Dec. 12, 1933. Republished Dec. 14. Class 39.

Patterson-Sargent Company, The, Cleveland, Ohio. Paints, stains, enamels, etc. 70,999, re-renewed Oct. 20, 1948. O. G. Dec. 14. Class 16.

Paulus Bros. Packing Co.: *See*—
Bryant & Company.

Paxton & Gallagher Co., Omaha, Nebr. Canned vegetables. 160,621, Oct. 24, 1922. Republished Dec. 14. Class 46.

Paxton & Gallagher Co., Omaha, Nebr. Canned peaches, raisins, evaporated raspberries, etc. 222,347, Dec. 28, 1926. Republished Dec. 14. Class 46.

Pearlduck, Inc.: *See*—
Bresnick, Carl S.

Pellet Feed & Fertilizer Co.: *See*—
Ingles, Glenn B.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Chlorinated lime. 248,083, renewed Oct. 16, 1948. O. G. Dec. 14. Class 6.

Pennsylvania Silk Hosiery Mills, Inc., Bangor, to Chipman Knitting Mills, West Easton, Pa. Hosiery. 248,733, renewed Oct. 30, 1948. O. G. Dec. 14. Class 39.

Pennzoil Company, The, Oil City, Pa. Electrically operated time-controlled follow-up card holding and designating machines. 504,734, Dec. 14; Serial No. 514,133, published Sept. 7, 1948. Class 26.

Pepperell Manufacturing Company, Boston, Mass. Sheets and pillow cases, blankets, etc. 441,591, Dec. 14; Serial No. 516,570, published Sept. 7, 1948. Class 42.

Perfect Circle Corporation, Hagerstown, Ind. Plastic gauging material. 504,746, Dec. 14; Serial No. 521,820, published Sept. 7, 1948. Class 26.

Perfection Biscuit Company, Fort Wayne, Ind. Crackers. 254,713, renewed Mar. 26, 1949. O. G. Dec. 14. Class 46.

Perrygraf Corporation, Maywood, Ill. Printed slide-charts showing percentage possibilities of various poker hands. 441,605, Dec. 14; Serial No. 524,078, published Sept. 14, 1948. Class 26.

Petri Cigar Co., also doing business as Petri Wine Company, San Francisco, assignor to Western States Grocery Company, Oakland, Calif., by Beverage Distributors, Inc., San Francisco, Calif. Wines. 362,126, Nov. 15, 1938. Republished Dec. 14. Class 47.

Petri Wine Company: *See*—
Petri Cigar Co.

Phi Chi, Valdosta, Ga. Fraternity pins, badges, lapel buttons, etc. 234,605, Nov. 1, 1927. Republished Dec. 14. Class 28.

Phoebe Phelps Caramel Company, assignor to Phoebe Phelps Caramel Company, Inc., Boston, Mass. Candy. 441,571, Dec. 14; Serial No. 473,746, published Nov. 12, 1946. Class 46.

Phoebe Phelps Caramel Company, Inc: *See*—
Phoebe Phelps Caramel Company.

Pi Beta Phi Settlement School of The Pi Beta Phi Fraternity, Gatlinburg, Tenn. Wooden furniture. 248,756, Oct. 30, 1928. Corrected. O. G. Dec. 14. Class 32.

Pi Beta Phi Settlement School of The Pi Beta Phi Fraternity, Gatlinburg, Tenn. Textile goods. 248,856, Oct. 30, 1928. Corrected. O. G. Dec. 14. Class 2.

Pierce, Butler Radiator Corporation, doing business as Ames Iron Works, Oswego, N. Y. Steam generators. 504,869, Dec. 14; Serial No. 512,926. Class 34.

Pignons, S. A., Ballaigues, Switzerland. Photographic apparatus, and accessories. 441,587, Dec. 14; Serial No. 512,088, published Sept. 7, 1948. Class 26.

Pilot Radio Corporation, Long Island City, N. Y. Phonograph records of the mechanically grooved type. 441,576, Dec. 14; Serial No. 496,269, published Sept. 14, 1948. Class 36.

Plant, Thomas G., Company, Boston, Mass., to International Shoe Company, St. Louis, Mo. Boots and shoes. 32,341, re-renewed Jan. 10, 1949. O. G. Dec. 14. Class 39.

Plant, Thomas G., Corporation, Boston, Mass., to International Shoe Company, St. Louis, Mo. Shoes and slippers. 253,638, renewed Mar. 5, 1949. O. G. Dec. 14. Class 39.

Play-By-Cite Music, Inc., Dallas, Tex. Series of music instruction books and charts. 504,870, Dec. 14; Serial No. 522,398. Class 38.

Plymouth Coal and Mining Co., Plymouth, W. Va., by The Hatfield Campbell Creek Coal Company, Cincinnati, Ohio. Coal. 95,658, Mar. 3, 1914. Republished Dec. 14. Class 1.

Point Adams Packing Co., Hammond, Oreg. Canned salmon. 166,248, Mar. 27, 1923. Republished Dec. 14. Class 46.

Polk, Miller Drug Co., by Polk Miller Products Corp., Richmond, Va. The following-named dog remedies:—condition-pills arsenic and iron pills, soft carbolic soap, mange-ointment, etc. 66,521, Dec. 10, 1907. Republished Dec. 14. Class 6.

Polk Miller Products Corp.: *See*—
Miller, Polk, Drug Co.

Polk Miller Products Corp., Richmond, Va. Preparation used as an antiseptic, germicide, disinfectant, etc. 300,694, Jan. 31, 1933. Republished Dec. 14. Class 6.

Pondel Fabrics, Inc., Pawtucket, R. I., assignor to Charles W. Carvin Co., Inc., New York, N. Y. Fabrics in the piece made of rayon. 504,846, Dec. 14; Serial No. 546,604, published Sept. 7, 1948. Class 42.

Popular Mechanics Company, Chicago, Ill. Monthly periodical. 504,861, Dec. 14; Serial No. 487,143. Class 38.

Potter, Joseph, Birmingham, England, by The Fair, Chicago, Ill. Safety razors. 130,560, Apr. 27, 1920. Republished Dec. 14. Class 23.

Price Flavoring Extract Company, Chicago, Ill. Flavoring extracts. 77,567, Apr. 19, 1910. Republished Dec. 14. Class 46.

Price Flavoring Extract Company, Chicago, Ill. Food flavoring, extracts and jelly powder. 105,274, July 13, 1915. Republished Dec. 14. Class 46.

Price Flavoring Extract Company, Chicago, Ill. Food colorings. 198,851, May 26, 1925. Republished Dec. 14. Class 6.

Price-Wilhoite Company, The: *See*—
Dietrich & Gambrill, Inc.

Princess Peggy, Inc.: *See*—
Chic Manufacturing Co.

Purex Corporation, Ltd., South Gate, Calif. Powdered cleanser. 504,881, Dec. 14; Serial No. 533,200. Class 4.

Puritan Mills, Atlanta, Ga. Stock and dairy feeds. 285,547, July 28, 1931. Republished Dec. 14. Class 46.

Puritan Mills, Atlanta, Ga. Horse and mule feeds, poultry feeds, dairy feeds and stock feeds. 294,648, June 7, 1932. Republished Dec. 14. Class 46.

Puritan Mills, Atlanta, Ga. Mixed feeds for poultry. 294,652, June 7, 1932. Republished Dec. 14. Class 46.

Puritan Mills, Atlanta, Ga. Mixed feeds for poultry, cows, horses and mules. 297,952, Oct. 4, 1932. Republished Dec. 14. Class 46.

Puritee Thermometer Co.: *See*—
Klamkin, Louis L.

Quaker Rubber Corporation: *See*—
Daniel, Chas A.
Quaker City Rubber Company.

Quaker City Rubber Company, Wissinoming, Philadelphia, by Quaker Rubber Corporation, Philadelphia, Pa. Machinery packing. 218,591, Sept. 28, 1926. Republished Dec. 14. Class 35.

Queen Creek Potato Growers Association, Phoenix, Ariz. Fresh potatoes. 504,738, Dec. 14; Serial No. 516,430, published Sept. 14, 1948. Class 46.

Queen Maid Underwear Co., Inc., Milltown, N. J., by Mitchel Schneider Co. Inc., Brooklyn, N. Y. Ladies' undergarments. 396,906, Aug. 11, 1942. Republished Dec. 14. Class 39.

Q-Zema Chemical Company: *See*—
Wilkinson, J. E., Jr.

Railley Corporation, Cleveland, Ohio. Electric lamp shades. 441,584, Dec. 14; Serial No. 511,502, published Sept. 14, 1948. Class 21.

Rainbow Shops, Inc., Brooklyn, N. Y. Feminine wearing apparel. 406,142, Mar. 14, 1944. Republished Dec. 14. Class 39.

Rambo & Regar, by Rambo & Regar, Incorporated, Norristown, Pa. Hosiery. 39,307, Nov. 18, 1902. Republished Dec. 14. Class 39.

Rambo & Regar, Incorporated: *See*—
Rambo & Regar.

Ray-Control Company, Pasadena, Calif. Optical elements. 441,575, Dec. 14; Serial No. 492,222, published Sept. 7, 1948. Class 26.

Raylaine Worsteds, Inc., Manchester, N. H. Piece goods. 377,630, May 7, 1940. Republished Dec. 14. Class 42.

Reliance Gauge Column Company, The, Cleveland, Ohio. Liquid level columns, liquid level controls, etc. 504,764, Dec. 14; Serial No. 529,698, published Sept. 14, 1948. Class 26.

Republic Food Products Co.: *See*—
International Products Corporation.

Rex Extract Company, Inc., Brooklyn, N. Y. Food flavoring extracts. 504,787, Dec. 14; Serial No. 534,056, published Aug. 24, 1948. Class 46.

Rhoads, J. E., & Sons, Philadelphia, Pa. Lace leather in the piece. 250,308, Dec. 4, 1928. Republished Dec. 14. Class 1.

Rhythm Lingerie, Inc.: *See*—
Patricia Petticoat Co. Inc., The.

Rice and Fishman, to Uco Food Corporation, Newark, N. J. Canned fruit salad, fruit preserves, canned fruits, etc. 254,625, renewed Mar. 26, 1949. O. G. Dec. 14. Class 46.

Richards-Scheble Candy Company, The, Hutchinson, Kans. Candy. 504,737, Dec. 14; Serial No. 516,035, published Aug. 24, 1948. Class 46.

Richman, Wm., Supply Corp., New York, N. Y. Plastic dinnerware. 441,613, Dec. 14; Serial No. 526,292, published Sept. 14, 1948. Class 2.

Richmond Rubber Co., Inc., Richmond, Va. Tires of rubber, fabric, synthetic rubber. 406,369, Mar. 28, 1944. Republished Dec. 14. Class 35.

Richmond Rubber Co., Inc., Richmond, Va. Tires of rubber, fabric, synthetic rubber. 407,330, Mar. 30, 1944. Republished Dec. 14. Class 35.

Rival Foods, Inc.: *See*—
Oklahoma City Mill & Elevator Co.

River Falls Co-Operative Creamery Co., River Falls, Wis. Powdered whole milk. 441,586, Dec. 14; Serial No. 511,961, published Aug. 31, 1948. Class 46.

Robertson, H. H., Company, Pittsburgh, Pa. Protected metal sheets. 231,363, Aug. 16, 1927. Republished Dec. 14. Class 12.

Robertson, H. H., Company, Pittsburgh, Pa. Metal pipes, conduits, and culverts. 362,869, Dec. 6, 1938. Republished Dec. 14. Class 13.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Weighing scales. 504,837, Dec. 14; Serial No. 541,785, published Sept. 7, 1948. Class 26.

Rohan, Andrew, Co., The, by The Churngold Corporation, Cincinnati, Ohio. Butter and cheese. 97,935, June 30, 1914. Republished Dec. 14. Class 46.

Romani Simonini Toschi & Co., San Francisco, Calif., to Simonini, Toschi & Guidi, Lucca, Italy. Olive oil. 223,855, renewed Feb. 15, 1947. O. G. Dec. 14. Class 46.

Rombro Bros.: *See*—
Rombro, Jacob.

Rombro Brothers Inc.: *See*—
Rombro, Jacob.

Rombro, Jacob, doing business as Rombro Bros., by Rombro Brothers Inc., Baltimore, Md. Work shirts. 198,257, May 12, 1925. Republished Dec. 14. Class 39.

Rosenfeld, David M., Philadelphia, Pa. Infants' creepers and infant boys' bobbie suits. 414,615, June 19, 1945. Republished Dec. 14. Class 39.

Rubin Brothers, Chicago, Ill. Overalls and coats for men, women, and children. 235,342, Nov. 15, 1927. Republished Dec. 14. Class 39.

Ruth, Paul A., doing business as Paul A. Ruth Company, Tallesan, Ariz. Fresh vegetables and melons. 432,274, Aug. 26, 1947. Republished Dec. 14. Class 46.

Ruth, Paul A., Company: *See*—
Ruth, Paul A.

Sachmenko, Cristina, New York, N. Y. Mustard. 504,799, Dec. 14; Serial No. 535,750, published Sept. 7, 1948. Class 46.

St. Louis Macaroni Mfg. Co., Inc., St. Louis, Mo. Soup noodles. 441,574, Dec. 14; Serial No. 490,341, published Sept. 7, 1948. Class 46.

Sandeman, Geo. G., Sons & Co. Limited: *See*—
Sandeman & Sons Limited.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Port and sherry wine. 90,925, Apr. 1, 1913. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 300,872, Feb. 14, 1933. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Sherry wine. 302,144, Mar. 28, 1933. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 302,263, Apr. 4, 1933. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Whisky, gin, rum, and brandy. 303,111, May 9, 1933. Republished Dec. 14. Class 49.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Sherry wine. 305,613, Aug. 22, 1933. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 319,358, Nov. 20, 1934. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Whisky. 319,713, Dec. 4, 1934. Republished Dec. 14. Class 49.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Gin, whisky and rum. 331,168, Dec. 31, 1935. Republished Dec. 14. Class 49.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 331,686, Jan. 14, 1936. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Gin and whisky. 332,807, Feb. 25, 1936. Republished Dec. 14. Class 49.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 333,134, Mar. 10, 1936. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Scotch whisky. 388,564, July 1, 1941. Republished Dec. 14. Class 49.

Sandeman Hermanos y Compania, Jerez de la Frontera, Spain. Wines. 302,726, Apr. 25, 1933. Republished Dec. 14. Class 47.

Sandeman & Sons Limited, Edinburgh, Scotland, by Geo. G. Sandeman Sons, & Co. Limited, London, England. Whisky. 304,290, June 27, 1933. Republished Dec. 14. Class 49.

San Juan Fishing & Packing Co., Seattle, Wash. Canned salmon. 441,590, Dec. 14; Serial No. 516,149, published Dec. 16, 1947. Class 46.

Santa Clara Packing Company: *See*—
Sunset Fruit Co.

Santikian, George, doing business as Pacific Raisin Company, by Pacific Raisin Company, Incorporated, Fowler, Calif. Dried fruits, raisins, and dried black grapes. 344,392, Mar. 23, 1937. Republished Dec. 14. Class 46.

Santikian, George, doing business as Pacific Raisin Company, by Pacific Raisin Company, Incorporated, Fowler, Calif. Raisins. 350,174, Sept. 21, 1937. Republished Dec. 14. Class 46.

Sauer, C. F., Company, The, Richmond, Va. Mayonnaise dressing, Russian dressing, and a relish. 504,774, Dec. 14; Serial No. 530,852, published Aug. 24, 1948. Class 46.

Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 504,815, Dec. 14; Serial No. 538,663, published Sept. 7, 1948. Class 42.

Scheim, Lina, doing business as Wilhelm Scheim Wwe. Lucul-Nahrmittelfabrik, Zurich, Switzerland. Meat soup, chicken soup, clear and thickened oxtail soup, etc. 441,598, Dec. 14; Serial No. 518,914, published Aug. 24, 1948. Class 46.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 316,491, Aug. 28, 1934. Republished Dec. 14. Class 48.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 335,652, June 9, 1936. Republished Dec. 14. Class 48.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 393,690, Feb. 24, 1942. Republished Dec. 14. Class 48.

Schnefel Bros. Corporation, Newark, N. J. Beautifier for use on nails and cuticle. 345,838, May 11, 1937. Republished Dec. 14. Class 6.

Schnefel Bros., Corporation, Newark, N. J. Base coat nail polish. 360,546, Sept. 20, 1938. Republished Dec. 14. Class 6.

Schnefel Bros. Corporation, Newark, N. J. Nail polish and nail enamel. 398,516, Nov. 3, 1942. Republished Dec. 14. Class 6.

Schneider, Mitchel, Co. Inc.: *See*—
Queen Maid Underwear Co., Inc.

Schneider, Mitchel, Co. Inc., Brooklyn, N. Y. Ladies' knitted and textile underwear, pajamas, negligees, etc. 388,243, June 17, 1941. Republished Dec. 14. Class 39.

Schranck, H. C., Company, Milwaukee, Wis. Extracts, sirups, and concentrates. 227,639, May 10, 1927. Republished Dec. 14. Class 45.

Schroeder, Ira H., doing business as Cinch Beverage Co., by The Cinch Company, Kansas City, Mo. Syrup and extracts for preparing nonalcoholic, maltless beverages. 412,311, Feb. 27, 1945. Republished Dec. 14. Class 45.

Schwab, David E., & Company, Inc., New York, N. Y. Laces, netted and lace fabrics in the piece. 185,804, June 24, 1924. Republished Dec. 14. Class 42.

Schwarzwaelder Company, Philadelphia, Pa. Waterproofed fabrics. 175,825, Nov. 13, 1923. Republished Dec. 14. Class 42.

Scopicon Inc., New York, N. Y. Micro-projectors, auxiliary power units therefor, etc. 504,739, Dec. 14; Serial No. 516,735, published Sept. 14, 1948. Class 26.

Scott Radio Laboratories Incorporated, Chicago, Ill. Radio receiving sets; radio receiving apparatus, etc. 504,826, Dec. 14; Serial No. 540,462, published Sept. 14, 1948. Class 21.

Seaboard Packing Company: *See*—
Seacoast Canning Co.

Seacoast Canning Co., Eastport, by Seaboard Packing Company, Lubec, Maine. Canned sardines. 136,930, Nov. 9, 1920 Republished Dec. 14. Class 46.

Searer, Harold J., doing business as Searer Rubber Company, Akron, Ohio. Nursing nipples. 504,875, Dec. 14; Serial No. 530,439. Class 44.

Searer Rubber Company: *See*—
Searer, Harold J.

Setzer, Albert, doing business as Mule Battery Mfg. Co., Providence, R. I. Electric storage batteries. 181,596, Mar. 25, 1924. Republished Dec. 14. Class 21.

Shaler Company, The, Waupun, Wis. Vehicle tire and tube patching materials. 288,169, Oct. 20, 1931. Republished Dec. 14. Class 35.

Shaler Company, The, Waupun, Wis. Pneumatic vehicle tires and portable tire repair kits. 291,253, Feb. 2, 1932. Republished Dec. 14. Class 35.

Shattuck, Frank G., Company, New York, N. Y. Candy. 171,335, Aug. 7, 1923. Republished Dec. 14. Class 46.

Shattuck, Frank G., Company, New York, N. Y. Candy. 196,039, Mar. 10, 1925. Republished Dec. 14. Class 46.

Sheffield Company, The: *See*—
Brundage, J. R., Inc.

Sheffield Company, The, New London, Conn., doing business as K-T-S Products, New York, N. Y., and New London, Conn. Soaps and shaving creams. 330,843, Dec. 17, 1935. Republished Dec. 14. Class 4.

Shelmore Oyster Products Company, Charleston, S. C. Canned oysters and canned vegetables. 213,955, June 8, 1926. Republished Dec. 14. Class 46.

Sherco Products Corporation, Syracuse, N. Y., by The Drackett Company, Cincinnati, Ohio. Garbage deodorant and disinfectant, etc. 376,103, Mar. 12, 1940. Republished Dec. 14. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Mixing and measuring machines and instruments for paints. 441,606, Dec. 14; Serial No. 524,736, published Sept. 7, 1948. Class 26.

Sherwin-Williams Company, The, Cleveland, Ohio. Cloth. 441,607, Dec. 14; Serial No. 524,740, published Sept. 7, 1948. Class 42.

Sherwin-Williams Company, The, Cleveland, Ohio. Vegetable seed meals. 441,608, Dec. 14; Serial No. 524,741, published Sept. 7, 1948. Class 46.

Shiba, Bob, Orosi, Calif. Fresh tomatoes. 504,765, Dec. 14; Serial No. 529,714, published Sept. 14, 1948. Class 46.

Shirley Fabrics Corp., New York, N. Y. Textile fabrics in the piece. 504,849, Dec. 14; Serial No. 547,670, published Sept. 7, 1948. Class 42.

Shirriff's Limited, Toronto, Ontario, Canada. Ice cream toppings, cake mixtures, jelly powders, etc. 504,744, Dec. 14; Serial No. 519,493, published Aug. 31, 1948. Class 46.

Shore, Sol, and Company, Philadelphia, Pa. Cotton textile piece goods. 441,579, Dec. 14; Serial No. 507,658, published Sept. 7, 1948. Class 42.

Sigel, M., & Sons, Boston, Mass. Woolen and worsted apparel fabrics. 504,827, Dec. 14; Serial No. 540,464, published Sept. 7, 1948. Class 42.

Signal Electric Manufacturing Co., Menominee, Mich. Electric air circulating fans. 504,785, Dec. 14; Serial No. 533,410, published Sept. 7, 1948. Class 21.

Simonini, Toschi & Guidi: *See*—
Romani Simonini Toschi & Co.

Sinn, Donald, Apiaries: *See*—
Sinn, Donald T.

Sinn, Donald T., doing business as Donald Sinn Apiaries, Tulare, Calif. Honey. 504,728, Dec. 14; Serial No. 508,445, published Sept. 14. Class 46.

Sisk, R. J., Company: *See*—
Sisk, Robert J.

Sisk, R. J., Company, The: *See*—
Sisk, Robert J.

Sisk, Robert J., doing business as R. J. Sisk Company, by The R. J. Sisk Company, New London, Conn. Pigment linoleum cement. 164,438, Feb. 20, 1923. Republished Dec. 14. Class 5.

Slipco, by Slipco, Inc., Shelton, Conn. Women's and misses' slips. 356,794, May 10, 1938. Republished Dec. 14. Class 39.

Slipco, Inc.: *See*—
Slipco.

Smith, D. B., & Company, Inc., Utica, N. Y. Hand and power operated sprayers, spray pumps, fire pumps, etc. 252,792, renewed Feb. 12, 1949. O. G. Dec. 14. Class 23.

Smith, Floyd N., doing business as Floyd N. Smith Co., Phoenix, Ariz. Fresh vegetables. 504,724, Dec. 14; Serial No. 501,143, published Sept. 14, 1948. Class 46.

Smith, Floyd N., Co.: *See*—
Smith, Floyd N.

Smoked Products Company, Cincinnati, Ohio, to Cutler-Magner Company, Duluth, Minn. Salt. 206,585, renewed Dec. 8, 1945. O. G. Dec. 14. Class 46.

Smoked Salt Company, The, Cincinnati, Ohio, by Cutler-Magner Company, Duluth, Minn. Salt. 226,582, Apr. 12, 1927. Republished Dec. 14. Class 46.

Smoot-Holman Company, Inglewood, Calif. Flood lighting equipment, mercury industrial lighting fixtures, fluorescent lighting fixtures, etc. 504,795, Dec. 14; Serial No. 535,190, published Sept. 7, 1948. Class 21.

Smucker, J. M., Co., The, Orrville, Ohio. Apple butter, peach butter, jelly, etc. 221,430, Nov. 30, 1926. Republished Dec. 14. Class 46.

Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp: *See*—
Société Anonyme de la Distillerié de la Liqueur Benedictine de l'Abbaye de Fecamp.

Société Anonyme de la Distillerié de la Liqueur Benedictine de l'Abbaye de Fecamp, to Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France. Liqueur called Benedictine. 71,552–4, re-renewed Dec. 1, 1948. O. G. Dec. 14. Class 49.

Sonneborn, Henry, Company, Inc., by Harry Myers and Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 216,001, Aug. 3, 1926. Republished Dec. 14. Class 39.

Sonneborn, Henry, Company, Inc., by Harry Myers and Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 218,372, Sept. 28, 1926. Republished Dec. 14. Class 39.

Southern Foods Co.: *See*—
Akin, W. L.

Southern Foods Company: *See*—
Akin, W. L.

South Lake Apopka Citrus Growers Ass'n, Oakland, Fla. Oranges, lemons, grapefruit, etc. 86,342, Apr. 30, 1912. Republished Dec. 14. Class 46.

South Lake Apopka Citrus Growers Ass'n, Oakland, Fla. Fresh citrous fruits. 194,624, Feb. 3, 1925. Republished Dec. 14. Class 46.

Springfield Seed Company, Springfield, Mo. Agricultural and grass seeds. 173,063, Sept. 11, 1923. Republished Dec. 14. Class 1.

Squire Dingee Company, Chicago, Ill. Pickles. 205,659, Nov. 10, 1925. Republished Dec. 14. Class 46.

Squire Dingee Company, Chicago, Ill. Pickles. 211,407, Apr. 13, 1926. Republished Dec. 14. Class 46.

Standard Milling Company, New York, N. Y., by Standard Milling Company, Chicago, Ill. Wheat flour and mill feeds. 330,585, Dec. 10, 1935. Republished Dec. 14. Class 46.

Standard Oil Co., Louisville, Ky. Cylinder oil. 311,074, Mar. 13, 1934. Republished Dec. 14. Class 15.

Standard Oil Co., Louisville, Ky. Kerosene. 314,765, July 10, 1934. Republished Dec. 14. Class 15.

Stauffer Chemical Company, San Francisco, Calif. Insecticides. 504,879, Dec. 14; Serial No. 532,359. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Fungicides. 504,880, Dec. 14; Serial No. 532,375. Class 6.

Stearns' Electric Paste Co., by Stearns' Electric Paste Co., Chicago, Ill. Rat and roach paste. 144,063, June 21, 1921. Republished Dec. 14. Class 6.

Stearns & Foster Company, The, Lockland, Ohio. Mattresses. 159,117–18–19, Sept. 19, 1922. Republished Dec. 14. Class 32.

Stearns & Foster Company, The, Lockland, Ohio. Cotton batting. 165,135, Mar. 6, 1923. Republished Dec. 14. Class 1.

Stearns & Foster Company, The, Lockland, Ohio. Mattresses. 172,370, Aug. 28, 1923. Republished Dec. 14. Class 32.

Stearns & Foster Company, The, Lockland, Ohio. Mattresses. 181,105, Mar. 11, 1924. Republished Dec. 14. Class 32.

Stearns & Foster Company, The, Lockland, Ohio. Cotton batting. 215,572, July 20, 1926. Republished Dec. 14. Class 1.

Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Quilting frames or hoops. 304,476, July 11, 1933. Republished Dec. 14. Class 50.

Stearns & Foster Company, The, Lockland, Ohio. Mattresses and box springs. 336,942, July 21, 1936. Republished Dec. 14. Class 32.

Stearns & Foster Company, The, Lockland, Ohio. Cotton wadding. 397,497, Sept. 8, 1942. Republished Dec. 14. Class 1.

Steeds-Prall Company, The, Cleveland, Ohio, assignor to Thomas A. Steeds. Coasters. 441,577, Dec. 14; Serial No. 502,238, published Sept. 14, 1948. Class 2.

Steeds, Thomas A.: *See*—
Steeds-Prall Company, The.

Sterling Plastics Co., Union, N. J. Salt and pepper shaker sets formed of synthetic resinous compositions. 504,784, Dec. 14; Serial No. 532,967, published Sept. 14, 1948. Class 2.

Stern Brothers, New York, N. Y. Filled vanity cases containing compressed rouge and face powder. 254,060, renewed Mar. 12, 1949. O. G. Dec. 14. Class 6.

Stockham, Edward V., Inc., Havre de Grace, Md. Pork and beans and canned concentrated strained tomatoes. 179,471, Feb. 12, 1924. Republished Dec. 14. Class 46.

Stoffel & Co., Inc., New York, N. Y. Fabrics in the piece. 504,848, Dec. 14; Serial No. 546,733, published Sept. 7, 1948. Class 42.

Strawbridge & Clothier, Philadelphia, Pa. Pianos and non-electrical phonographs. 504,798, Dec. 14; Serial No. 535,647, published Sept. 14, 1948. Class 36.

Sunny Hills Ranch, Inc., Fullerton, Calif. Fresh citrus fruits. 338,078, Aug. 25, 1936. Republished Dec. 14. Class 46.

Sunset Fruit Co., Yuba City, by Santa Clara Packing Company, San Jose, Calif. Canned fruits. 365,882, Mar. 21, 1939. Republished Dec. 14. Class 46.

Superior Metal Products Company, St. Paul, Minn. Milk cans, milk pails, ice cream cans, etc. 397,794, Sept. 22, 1942. Republished Dec. 14. Class 2.

Supreme Distributors, Incorporated, Phoenix, Ariz. Gin and whiskey. 331,388, Jan. 7, 1936. Republished Dec. 14. Class 49.

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Susquehanna Collieries Company, by The M. A. Hanna Company, Cleveland, Ohio. Anthracite coal. 312,172, Apr. 17, 1934. Republished Dec. 14. Class 1.

Susquehanna Collieries Company, by The M. A. Hanna Company, Cleveland, Ohio. Anthracite coal. 369,106, July 18, 1939. Republished Dec. 14. Class 1.

Sussex-O'Rourke Hats, Inc.: *See*—
O'Rourke, Eubanks Hat Co.

Syndicate-Alliance Trading Co., Inc., by Dry Goods Alliance, Inc., New York, N. Y. Electric vacuum cleaner. 350,820, Oct. 5, 1937. Republished Dec. 14. Class 21.

Talon, Inc., Meadville, Pa. Pillow and mattress covers. 504,758, Dec. 14; Serial No. 527,901, published Sept. 7, 1948. Class 42.

Technicon Co., The, New York, N. Y. Water baths. 504,740, Dec. 14; Serial No. 517,930, published Sept. 14, 1948. Class 26.

Teen-Timers, Inc., New York, N. Y. Mechanically grooved phonograph records of the disc type. 433,963, Nov. 4, 1947 Republished Dec. 14. Class 36.

Teleweld, Inc., Chicago, Ill. Rebuilding rail ends by adding weld metal and grinding, etc. 504,856, Dec. 14; Serial No. 530,350, published Sept. 14. Class 55.

Texaco Salt Products Company, New York, N. Y., by The Barton Salt Company, Hutchinson, Kans. Salt. 291,445, Feb. 9, 1932. Republished Dec. 14. Class 46.

Texas Gulfstream Industries, Inc., Aransas Pass, Tex. Frozen fresh shrimp. 504,821, Dec. 14; Serial No. 539,367, published Sept. 7, 1948. Class 46.

Tex-O-Kan Flour Mills Co.: *See*—
Collin County Mill & Elevator Co.

Thomas Chemical Co., Inc., The, Lynchburg, Va. Ointment for the treatment of eczema and other skin disorders. 311,431, Mar. 20, 1934. Republished Dec. 14. Class 6.

Thomas Electric Welder Company, Lynn, Mass. Electric metal-working apparatus. 504,840, Dec. 14; Serial No. 542,799, published Sept. 14, 1948. Class 21.

Thomas-Wiener Company, Memphis, Tenn. Chewing gum. 504,862, Dec. 14; Serial No. 512,545. Class 46.

Thompson Products, Inc., Cleveland, Ohio. Pump shafts and poppet valves. 249,035, renewed Nov. 6, 1948. O. G. Dec. 14. Class 23.

Thornton, John C., Co., doing business as A. B. C. Distributors, Terre Haute, Ind. Foods. 441,596, Dec. 14; Serial No. 518,737, published Sept. 14, 1948. Class 46.

Tobin, Jack, by Jack Tobin, Inc., Philadelphia, Pa. Children's dresses. 357,757, June 14, 1938. Republished Dec. 14. Class 39.

Tobin, Jack, Inc.: *See*—
Tobin, Jack.

Tolerton & Warfield Co.: *See*—
Norfolk Packing Co.

Tom's Scalpade, Inc.: *See*—
Impell, Thomas.

Torbitt & Castleman Company, The, Louisville, Ky. Pure country sorghum. 504,807–8, Dec. 14; Serial Nos. 537,840–1, published Aug. 24, 1948. Class 46.

Torsion Balance Company, The: *See*—
Christian Becker, Inc.

Totus Mfg. Co.: *See*—
Minter, Martha P.

Totus Manufacturing Company, Inc.: *See*—
Minter, Martha P.

Traders Oil Mill Company, Fort Worth, Tex. Peanut flour. 441,597, Dec. 14; Serial No. 518,795, published Sept. 14, 1948. Class 46.

Trico Products Corporation: *See*—
Folberth Auto Specialty Co., The.

Trimble, Linda L., New York, N. Y. Periodical publications printed from time to time. 504,888, Dec. 14; Serial No. 543,762. Class 38.

Ruth, Paul A., Company: *See*—
Ruth, Paul A.

Sachmenko, Cristina, New York, N. Y. Mustard. 504,799, Dec. 14; Serial No. 535,750, published Sept. 7, 1948. Class 46.

St. Louis Macaroni Mfg. Co., Inc., St. Louis, Mo. Soup noodles. 441,574, Dec. 14; Serial No. 490,341, published Sept. 7, 1948. Class 46.

Sandeman, Geo. G., Sons & Co. Limited: *See*—
Sandeman & Sons Limited.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Port and sherry wine. 90,925, Apr. 1, 1913. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 300,872, Feb. 14, 1933. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Sherry wine. 302,144, Mar. 28, 1933. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 302,263, Apr. 4, 1933. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Whisky, gin, rum, and brandy. 303,111, May 9, 1933. Republished Dec. 14. Class 49.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Sherry wine. 305,613, Aug. 22, 1933. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 319,358, Nov. 20, 1934. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Whisky. 319,713, Dec. 4, 1934. Republished Dec. 14. Class 49.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Gin, whisky and rum. 331,168, Dec. 31, 1935. Republished Dec. 14. Class 49.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 331,686, Jan. 14, 1936. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Gin and whisky. 332,807, Feb. 25, 1936. Republished Dec. 14. Class 49.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 333,134, Mar. 10, 1936. Republished Dec. 14. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Scotch whisky. 388,564, July 1, 1941. Republished Dec. 14. Class 49.

Sandeman Hermanos y Compania, Jerez de la Frontera, Spain. Wines. 302,726, Apr. 25, 1933. Republished Dec. 14. Class 47.

Sandeman & Sons Limited, Edinburgh, Scotland, by Geo. G. Sandeman Sons, & Co. Limited, London, England. Whisky. 304,290, June 27, 1933. Republished Dec. 14. Class 49.

San Juan Fishing & Packing Co., Seattle, Wash. Canned salmon. 441,590, Dec. 14; Serial No. 516,149, published Dec. 16, 1947. Class 46.

Santa Clara Packing Company: *See*—
Sunset Fruit Co.

Santikian, George, doing business as Pacific Raisin Company, by Pacific Raisin Company, Incorporated, Fowler, Calif. Dried fruits, raisins, and dried black grapes. 344,392, Mar. 23, 1937. Republished Dec. 14. Class 46.

Santikian, George, doing business as Pacific Raisin Company, by Pacific Raisin Company, Incorporated, Fowler, Calif. Raisins. 350,174, Sept. 21, 1937. Republished Dec. 14. Class 46.

Sauer, C. F., Company, The, Richmond, Va. Mayonnaise dressing, Russian dressing, and a relish. 504,774, Dec. 14; Serial No. 530,852, published Aug. 24, 1948. Class 46.

Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 504,815, Dec. 14; Serial No. 538,663, published Sept. 7, 1948. Class 42.

Scheim, Lina, doing business as Wilhelm Scheim Wwe. Lucul-Nahrmittelfabrik, Zurich, Switzerland. Meat soup, chicken soup, clear and thickened oxtail soup, etc. 441,598, Dec. 14; Serial No. 518,914, published Aug. 24, 1948. Class 46.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 316,491, Aug. 28, 1934. Republished Dec. 14. Class 48.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 335,652, June 9, 1936. Republished Dec. 14. Class 48.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 393,690, Feb. 24, 1942. Republished Dec. 14. Class 48.

Schnefel Bros. Corporation, Newark, N. J. Beautifier for use on nails and cuticle. 345,838, May 11, 1937. Republished Dec. 14. Class 6.

Schnefel Bros., Corporation, Newark, N. J. Base coat nail polish. 360,546, Sept. 20, 1938. Republished Dec. 14. Class 6.

Schnefel Bros. Corporation, Newark, N. J. Nail polish and nail enamel. 398,516, Nov. 3, 1942. Republished Dec. 14. Class 6.

Schneider, Mitchel, Co. Inc.: *See*—
Queen Maid Underwear Co., Inc.

Schneider, Mitchel, Co. Inc., Brooklyn, N. Y. Ladies' knitted and textile underwear, pajamas, negligees, etc. 388,243, June 17, 1941. Republished Dec. 14. Class 39.

Schranck, H. C., Company, Milwaukee, Wis. Extracts, sirups, and concentrates. 227,639, May 10, 1927. Republished Dec. 14. Class 45.

Schroeder, Ira H., doing business as Cinch Beverage Co., by The Cinch Company, Kansas City, Mo. Syrup and extracts for preparing nonalcoholic, maltless beverages. 412,311, Feb. 27, 1945. Republished Dec. 14. Class 45.

Schwab, David E., & Company, Inc., New York, N. Y. Laces, netted and lace fabrics in the piece. 185,804, June 24, 1924. Republished Dec. 14. Class 42.

Schwarzwaelder Company, Philadelphia, Pa. Waterproofed fabrics. 175,825, Nov. 13, 1923. Republished Dec. 14. Class 42.

Scopicon Inc., New York, N. Y. Micro-projectors, auxiliary power units therefor, etc. 504,739, Dec. 14; Serial No. 516,735, published Sept. 14, 1948. Class 26.

Scott Radio Laboratories Incorporated, Chicago, Ill. Radio receiving sets; radio receiving apparatus, etc. 504,826, Dec. 14; Serial No. 540,462, published Sept. 14, 1948. Class 21.

Seaboard Packing Company: *See*—
Seacoast Canning Co.

Seacoast Canning Co., Eastport, by Seaboard Packing Company, Lubec, Maine. Canned sardines. 136,930, Nov. 9, 1920 Republished Dec. 14. Class 46.

Searer, Harold J., doing business as Searer Rubber Company, Akron, Ohio. Nursing nipples. 504,875, Dec. 14; Serial No. 530,439. Class 44.

Searer Rubber Company: *See*—
Searer, Harold J.

Setzer, Albert, doing business as Mule Battery Mfg. Co., Providence, R. I. Electric storage batteries. 181,596, Mar. 25, 1924. Republished Dec. 14. Class 21.

Shaler Company, The, Waupun, Wis. Vehicle tire and tube patching materials. 288,169, Oct. 20, 1931. Republished Dec. 14. Class 35.

Shaler Company, The, Waupun, Wis. Pneumatic vehicle tires and portable tire repair kits. 291,253, Feb. 2, 1932. Republished Dec. 14. Class 35.

Shattuck, Frank G., Company, New York, N. Y. Candy. 171,335, Aug. 7, 1923. Republished Dec. 14. Class 46.

Shattuck, Frank G., Company, New York, N. Y. Candy. 196,039, Mar. 10, 1925. Republished Dec. 14. Class 46.

Sheffield Company, The: *See*—
Brundage, J. R., Inc.

Sheffield Company, The, New London, Conn., doing business as K-T-S Products, New York, N. Y., and New London, Conn. Soaps and shaving creams. 330,843, Dec. 17, 1935. Republished Dec. 14. Class 4.

Shelmore Oyster Products Company, Charleston, S. C. Canned oysters and canned vegetables. 213,955, June 8, 1926. Republished Dec. 14. Class 46.

Sherco Products Corporation, Syracuse, N. Y., by The Drackett Company, Cincinnati, Ohio. Garbage deodorant and disinfectant, etc. 376,103, Mar. 12, 1940. Republished Dec. 14. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Mixing and measuring machines and instruments for paints. 441,606, Dec. 14; Serial No. 524,736, published Sept. 7, 1948. Class 26.

Sherwin-Williams Company, The, Cleveland, Ohio. Cloth. 441,607, Dec. 14; Serial No. 524,740, published Sept. 7, 1948. Class 42.

Sherwin-Williams Company, The, Cleveland, Ohio. Vegetable seed meals. 441,608, Dec. 14; Serial No. 524,741, published Sept. 7, 1948. Class 46.

Shiba, Bob, Orosi, Calif. Fresh tomatoes. 504,765, Dec. 14; Serial No. 529,714, published Sept. 14, 1948. Class 46.

Shirley Fabrics Corp., New York, N. Y. Textile fabrics in the piece. 504,849, Dec. 14; Serial No. 547,670, published Sept. 7, 1948. Class 42.

Shirriff's Limited, Toronto, Ontario, Canada. Ice cream toppings, cake mixtures, jelly powders, etc. 504,744, Dec. 14; Serial No. 519,493, published Aug. 31, 1948. Class 46.

Shore, Sol, and Company, Philadelphia, Pa. Cotton textile piece goods. 441,579, Dec. 14; Serial No. 507,658, published Sept. 7, 1948. Class 42.

Sigel, M., & Sons, Boston, Mass. Woolen and worsted apparel fabrics. 504,827, Dec. 14; Serial No. 540,464, published Sept. 7, 1948. Class 42.

Signal Electric Manufacturing Co., Menominee, Mich. Electric air circulating fans. 504,785, Dec. 14; Serial No. 533,410, published Sept. 7, 1948. Class 21.

Simonini, Toschi & Guidi: *See*—
Romani Simonini Toschi & Co.

Sinn, Donald, Aniaries: *See*—
Sinn, Donald T.

Sinn, Donald T., doing business as Donald Sinn Apiaries, Tulare, Calif. Honey. 504,728, Dec. 14; Serial No. 508,445, published Sept. 14. Class 46.

Sisk, R. J., Company: *See*—
Sisk, Robert J.

Sisk, R. J., Company, The: *See*—
Sisk, Robert J.

Sisk, Robert J., doing business as R. J. Sisk Company, by The R. J. Sisk Company, New London, Conn. Pigment linoleum cement. 164,438, Feb. 20, 1923. Republished Dec. 14. Class 5.

Slipco, by Slipco, Inc., Shelton, Conn. Women's and misses' slips. 356,794, May 10, 1938. Republished Dec. 14. Class 39.

Slipco, Inc.: *See*—
Slipco.

Smith, D. B., & Company, Inc., Utica, N. Y. Hand and power operated sprayers, spray pumps, fire pumps, etc. 252,792, renewed Feb. 12, 1949. O. G. Dec. 14. Class 23.

Smith, Floyd N., doing business as Floyd N. Smith Co., Phoenix, Ariz. Fresh vegetables. 504,724, Dec. 14; Serial No. 501,143, published Sept. 14, 1948. Class 46.

Smith, Floyd N., Co.: *See*—
Smith, Floyd N.

Smoked Products Company, Cincinnati, Ohio, to Cutler-Magner Company, Duluth, Minn. Salt. 206,585, renewed Dec. 8, 1945. O. G. Dec. 14. Class 46.

Smoked Salt Company, The, Cincinnati, Ohio, by Cutler-Magner Company, Duluth, Minn. Salt. 226,582, Apr. 12, 1927. Republished Dec. 14. Class 46.

Smoot-Holman Company, Inglewood, Calif. Flood lighting equipment, mercury industrial lighting fixtures, fluorescent lighting fixtures, etc. 504,795, Dec. 14; Serial No. 535,190, published Sept. 7, 1948. Class 21.

Smucker, J. M., Co., The, Orrville, Ohio. Apple butter, peach butter, jelly, etc. 221,430, Nov. 30, 1926. Republished Dec. 14. Class 46.

Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp: *See*—
Société Anonyme de la Distillerié de la Liqueur Benedictine de l'Abbaye de Fecamp.

Société Anonyme de la Distillerié de la Liqueur Benedictine de l'Abbaye de Fecamp, to Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France. Liqueur called Benedictine. 71,552–4, re-renewed Dec. 1, 1948. O. G. Dec. 14. Class 49.

Sonneborn, Henry, Company, Inc., by Harry Myers and Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 216,001, Aug. 3, 1926. Republished Dec. 14. Class 39.

Sonneborn, Henry, Company, Inc., by Harry Myers and Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 218,372, Sept. 28, 1926. Republished Dec. 14. Class 39.

Southern Foods Co.: *See*—
Akin, W. L.

Southern Foods Company: *See*—
Akin, W. L.

South Lake Apopka Citrus Growers Ass'n, Oakland, Fla. Oranges, lemons, grapefruit, etc. 86,342, Apr. 30, 1912. Republished Dec. 14. Class 46.

South Lake Apopka Citrus Growers Ass'n, Oakland, Fla. Fresh citrous fruits. 194,624, Feb. 3, 1925. Republished Dec. 14. Class 46.

Springfield Seed Company, Springfield, Mo. Agricultural and grass seeds. 173,063, Sept. 11, 1923. Republished Dec. 14. Class 1.

Squire Dingee Company, Chicago, Ill. Pickles. 205,659, Nov. 10, 1925. Republished Dec. 14. Class 46.

Squire Dingee Company, Chicago, Ill. Pickles. 211,407, Apr. 13, 1926. Republished Dec. 14. Class 46.

Standard Milling Company, New York, N. Y., by Standard Milling Company, Chicago, Ill. Wheat flour and mill feeds. 330,585, Dec. 10, 1935. Republished Dec. 14. Class 46.

Standard Oil Co., Louisville, Ky. Cylinder oil. 311,074, Mar. 13, 1934. Republished Dec. 14. Class 15.

Standard Oil Co., Louisville, Ky. Kerosene. 314,765, July 10, 1934. Republished Dec. 14. Class 15.

Stauffer Chemical Company, San Francisco, Calif. Insecticides. 504,879, Dec. 14; Serial No. 532,359. Class 6.

Stauffer Chemical Company, San Francisco, Calif. Fungicides. 504,880, Dec. 14; Serial No. 532,375. Class 6.

Stearns' Electric Paste Co., by Stearns' Electric Paste Co., Chicago, Ill. Rat and roach paste. 144,063, June 21, 1921. Republished Dec. 14. Class 6.

Stearns & Foster Company, The, Lockland, Ohio. Mattresses. 159,117–18–19, Sept. 19, 1922. Republished Dec. 14. Class 32.

Stearns & Foster Company, The, Lockland, Ohio. Cotton batting. 165,135, Mar. 6, 1923. Republished Dec. 14. Class 1.

Stearns & Foster Company, The, Lockland, Ohio. Mattresses. 172,370, Aug. 28, 1923. Republished Dec. 14. Class 32.

Stearns & Foster Company, The, Lockland, Ohio. Mattresses. 181,105, Mar. 11, 1924. Republished Dec. 14. Class 32.

Stearns & Foster Company, The, Lockland, Ohio. Cotton batting. 215,572, July 20, 1926. Republished Dec. 14. Class 1.

Stearns & Foster Company, The, Lockland, Cincinnati, Ohio. Quilting frames or hoops. 304,476, July 11, 1933. Republished Dec. 14. Class 50.

Stearns & Foster Company, The, Lockland, Ohio. Mattresses and box springs. 336,942, July 21, 1936. Republished Dec. 14. Class 32.

Stearns & Foster Company, The, Lockland, Ohio. Cotton wadding. 397,497, Sept. 8, 1942. Republished Dec. 14. Class 1.

Steeds-Prall Company, The, Cleveland, Ohio, assignor to Thomas A. Steeds. Coasters. 441,577, Dec. 14; Serial No. 502,238, published Sept. 14, 1948. Class 2.

Steeds, Thomas A.: *See*—
Steeds-Prall Company, The.

Sterling Plastics Co., Union, N. J. Salt and pepper shaker sets formed of synthetic resinous compositions. 504,784, Dec. 14; Serial No. 532,967, published Sept. 14, 1948. Class 2.

Stern Brothers, New York, N. Y. Filled vanity cases containing compressed rouge and face powder. 254,060, renewed Mar. 12, 1949. O. G. Dec. 14. Class 6.

Stockham, Edward V., Inc., Havre de Grace, Md. Pork and beans and canned concentrated strained tomatoes. 179,471, Feb. 12, 1924. Republished Dec. 14. Class 46.

Stoffel & Co., Inc., New York, N. Y. Fabrics in the piece. 504,848, Dec. 14; Serial No. 546,733, published Sept. 7, 1948. Class 42.

Strawbridge & Clothier, Philadelphia, Pa. Pianos and non-electrical phonographs. 504,798, Dec. 14; Serial No. 535,647, published Sept. 14, 1948. Class 36.

Sunny Hills Ranch, Inc., Fullerton, Calif. Fresh citrus fruits. 338,078, Aug. 25, 1936. Republished Dec. 14. Class 46.

Sunset Fruit Co., Yuba City, by Santa Clara Packing Company, San Jose, Calif. Canned fruits. 365,882, Mar. 21, 1939. Republished Dec. 14. Class 46.

Superior Metal Products Company, St. Paul, Minn. Milk cans, milk pails, ice cream cans, etc. 397,794, Sept. 22, 1942. Republished Dec. 14. Class 2.

Supreme Distributors, Incorporated, Phoenix, Ariz. Gin and whiskey. 331,388, Jan. 7, 1936. Republished Dec. 14. Class 49.

Supreme Distributors, Incorporated, Phoenix, Ariz. Whiskey. 336,670, July 14, 1938. Republished Dec. 14. Class 49.

Susquehanna Collieries Company, by The M. A. Hanna Company, Cleveland, Ohio. Anthracite coal. 312,172, Apr. 17, 1934. Republished Dec. 14. Class 1.

Susquehanna Collieries Company, by The M. A. Hanna Company, Cleveland, Ohio. Anthracite coal. 369,106, July 18, 1939. Republished Dec. 14. Class 1.

Sussex-O'Rourke Hats, Inc.: *See*—
O'Rourke, Eubanks Hat Co.

Syndicate-Alliance Trading Co., Inc., by Dry Goods Alliance, Inc., New York, N. Y. Electric vacuum cleaner. 350,820. Oct. 5, 1937. Republished Dec. 14. Class 21.

Talon, Inc., Meadville, Pa. Pillow and mattress covers. 504,758, Dec. 14; Serial No. 527,901, published Sept. 7, 1948. Class 42.

Tecbnicon Co., The, New York, N. Y. Water baths. 504,740, Dec. 14; Serial No. 517,930, published Sept. 14, 1948. Class 26.

Teen-Timers, Inc., New York, N. Y. Mechanically grooved phonograph records of the disc type. 433,963, Nov. 4, 1947 Republished Dec. 14. Class 36.

Teleweld, Inc., Chicago, Ill. Rebuilding rail ends by adding weld metal and grinding, etc. 504,856, Dec. 14; Serial No. 530,350, published Sept. 14. Class 55.

Texaco Salt Products Company, New York, N. Y., by The Barton Salt Company, Hutchinson, Kans. Salt. 291,445, Feb. 9, 1932. Republished Dec. 14. Class 46.

Texas Gulfstream Industries, Inc., Aransas Pass, Tex. Frozen fresh shrimp. 504,821, Dec. 14; Serial No. 539,367, published Sept. 7, 1948. Class 46.

Tex-O-Kan Flour Mills Co.: *See*—
Collin County Mill & Elevator Co.

Thomas Chemical Co., Inc., The, Lynchburg, Va. Ointment for the treatment of eczema and other skin disorders. 311,431, Mar. 20, 1934. Republished Dec. 14. Class 6.

Thomas Electric Welder Company, Lynn, Mass. Electric metal-working apparatus. 504,840, Dec. 14; Serial No. 542,799, published Sept. 14, 1948. Class 21.

Thomas-Wiener Company, Memphis, Tenn. Chewing gum. 504,882, Dec. 14; Serial No. 512,545. Class 46.

Thompson Products, Inc., Cleveland, Ohio. Pump shafts and poppet valves. 249,035, renewed Nov. 6, 1948. O. G. Dec. 14. Class 23.

Thornton, John C., Co., doing business as A. B. C. Distributors, Terre Haute, Ind. Foods. 441,596, Dec. 14; Serial No. 518,737, published Sept. 14, 1948. Class 46.

Tobin, Jack, by Jack-Tobin, Inc., Philadelphia, Pa. Children's dresses. 357,757, June 14, 1938. Republished Dec. 14. Class 39.

Tobin, Jack, Inc.: *See*—
Tobin, Jack.

Tolerton & Warfield Co.: *See*—
Norfolk Packing Co.

Tom's Scalpade, Inc.: *See*—
Impell, Thomas.

Torbitt & Castleman Company, The, Louisville, Ky. Pure country sorghum. 504,807–8, Dec. 14; Serial Nos. 537,840–1, published Aug. 24, 1948. Class 46.

Torsion Balance Company, The: *See*—
Christian Becker, Inc.

Totus Mfg. Co.: *See*—
Minter, Martha P.

Totus Manufacturing Company, Inc.: *See*—
Minter, Martha P.

Traders Oil Mill Company, Fort Worth, Tex. Peanut flour. 441,597, Dec. 14; Serial No. 518,795, published Sept. 14, 1948. Class 46.

Trico Products Corporation: *See*—
Folberth Auto Specialty Co., The.

Trimble, Linda L., New York, N. Y. Periodical publications printed from time to time. 504,888, Dec. 14; Serial No. 543,762. Class 38.

Trimm, Inc., Libertyville, Ill. Radio and telephone headsets and earphones, group hearing aids. 504,816, Dec. 14; Serial No. 538,676, published Sept. 7, 1948. Class 21.
Tuttle & Kift, Inc., Chicago, Ill. Electrical heating units, etc. 504,745, Dec. 14; Serial No. 520,480, published Sept. 7, 1948. Class 21.
Tweed, Greene & Co., North Wales, Pa. Packings for the wearing and bearing parts of machines and mechanical devices. 53,420, June 5, 1906. Republished Dec. 14. Class 35.
Ubiko Milling Company, The, St. Bernard, Ohio. Stock feed. 176,640, Nov. 27, 1923. Republished Dec. 14. Class 46
Uco Food Corporation: *See*—
Rice and Fishman.
Union Steel Casting Company, by Blaw-Knox Company, Pittsburgh, Pa. Unfinished steel castings, vestibule frames, gears, etc. 222,135, Dec. 21, 1926. Republished Dec. 14. Class 14.
Union Underwear Company, Incorporated, New York, N. Y. Textile fabric underwear. 228,706–7, June 7, 1927. Republished Dec. 14. Class 39.
United States Air Conditioning Corporation, by United States Air Conditioning Corporation, Minneapolis, Minn. Air conditioning units. 345,258, Apr. 20, 1937. Republished Dec. 14. Class 34.
United States War Department, Washington, D. C. Electrical equipment. 504,860, Dec. 14; Serial No. 534,843, published Aug. 24, 1948. Class 21.
United Utilities & Specialty Corporation, Boston, Mass. Electric vacuum cleaners. 504,779, Dec. 14; Serial No. 531,553, published Aug. 31, 1948. Class 21.
Valarie Jean Date Shop: *See*—
Nicoll, R. C.
Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Ready-mixed paints, paint enamels, aluminum paint, etc. 340,743, Nov. 17, 1936. Republished Dec. 14. Class 16.
Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Paint oil. 341,882, Dec. 29, 1936. Republished Dec. 14. Class 16.
Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Paint and varnish remover. 342,917, Feb. 2, 1937. Republished Dec. 14. Class 16.
Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Paint enamel. 342,918, Feb. 2, 1937. Republished Dec. 14. Class 16.
Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Ready-mixed paints. 344,842, Apr. 6, 1937. Republished Dec. 14. Class 16.
Valentine & Company, Inc.: *See*—
Valentine & Company.
Valentine Laboratories, Inc.: *See*—
Walgreen Co.
Valley Evaporating Co., Yakima, Wash. Evaporated fruits. 350,929, Oct. 12, 1937. Republished Dec. 14. Class 46.
Valley Evaporating Company, Yakima, Wash. Dehydrated fruits and vegetables. 407,411, June 6, 1944. Republished Dec. 14. Class 46.
Veldown Company, Inc., New York, N. Y., to International Cellucotton Products Company, Chicago, Ill. Catamenial bandages. 254,162, renewed Mar. 12, 1949. O. G. Dec. 14. Class 44.
Veldown Company, Inc., New York, N. Y., to International Cellucotton Products Company, Chicago, Ill. Catamenial napkins. 254,390, renewed Mar. 26, 1949. O. G. Dec. 14. Class 44.
Visking Corporation, The, Chicago, Ill. Sausage and hamburger casings. 309,754, Jan. 30, 1934. Republished Dec. 14. Class 2.
Visking Corporation, The, Chicago, Ill. Sausage casings. 310,467, Feb. 27, 1934. Republished Dec. 14. Class 2.
Visking Corporation, The, Chicago, Ill. Artificial sausage casings. 379,873, July 30, 1940. Republished Dec. 14. Class 2.
Visking Corporation, The, Richmond, Va., and Chicago, Ill. Merchandise protectors. 388,424, June 24, 1941. Republished Dec. 14. Class 2.
Visking Corporation, The, Chicago, Ill. Artificial sausage casings. 388,425, June 24, 1941. Republished Dec. 14. Class 2.
Visking Corporation, The, Chicago, Ill. Cellulose sausage casings. 417,447, Oct. 30, 1945. Republished Dec. 14. Class 2.
Visking Corporation, The, Chicago, Ill. Tubes in the nature of containers and bags. 422,073, July 2, 1946. Republished Dec. 14. Class 2.
Visking Corporation, The, Chicago, Ill. Monofilaments. 425,249, Nov. 12, 1946. Republished Dec. 14. Class 1.
Visking Corporation, The, Chicago, Ill. Cellulose casings and tubing. 425,530, Nov. 26, 1946. Republished Dec. 14. Class 2.
Visking Corporation, The, Chicago, Ill. Flexible thin-walled plastic tubing. 428,736, Apr. 1, 1947. Republished Dec. 14. Class 1.
Visking Corporation, The, Richmond, Va., and Chicago, Ill. Monofilaments. 429,440, Apr. 29, 1947. Republished Dec. 14. Class 1.
Vogue Foundations, Inc.: *See*—
Vogue Mfg. Company.
Vogue Mfg. Company, by Vogue Foundations, Inc., Newark, N. J. Corsets, brassières, girdles, etc. 367,138, May 9, 1939. Republished Dec. 14. Class 39.
Wahl, Martin C., El Centro, Calif. Fresh cantaloupes and lettuce. 197,362, Apr. 14, 1925. Republished Dec. 14. Class 46.
Wahl, Martin C., El Centro, Calif. Fresh cantaloupes and fresh vegetables. 229,855, July 5, 1927. Republished Dec. 14. Class 46.
Wales Adding Machine Company, Kingston, Pa., by Allen-Wales Adding Machine Corporation, Dayton, Ohio, assignor to The National Cash Register Company. Adding, listing, and calculating machines. 134,199, Aug. 17, 1920. Republished Dec. 14. Class 26.
Walgreen Co., Chicago, Ill. Radio vacuum tubes. 308,019, Nov. 14, 1933. Republished Dec. 14. Class 21.
Walgreen Co., doing business as Valentine Laboratories, Inc., by Carrel Ltd., Chicago, Ill. Cosmetic preparations. 351,544, Nov. 2, 1947. Republished Dec. 14. Class 6.
Walgreen Co., Chicago, Ill. Malted milk and ice cream. 504,777, Dec. 14; Serial No. 531,067, published Sept. 7, 1948. Class 46.
Walnut Creek Milling Co., Inc., The, Great Bend, Kans. Wheat flour. 253,297, renewed Feb. 26, 1948. O. G. Dec. 14. Class 46.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods, sheets and pillow cases. 504,830–1, Dec. 14; Serial Nos. 540,742–3, published Sept. 7, 1948. Class 42.
Wamsutta Mills, New Bedford, Mass. Sheets and pillow cases. 504,832, Dec. 14; Serial No. 540,744, published Sept. 7, 1948. Class 42.
Ward Products Corporation, The, Cleveland, Ohio. Radio antenna. 504,842, Dec. 14; Serial No. 542,981, published Sept. 7, 1948. Class 21.
Washing Fluid Chemical Co., by Hood Chemical Co., Inc., Pittsburgh, Pa. Chemical bleaching and washing fluid. 244,561, July 24, 1928. Republished Dec. 14. Class 6.
Washington Manufacturing Company: *See*—
Benjamin, E. V., Company, Inc., The.
Weber & Heilbroner, by Weber & Heilbroner, Inc., New York, N. Y. Men's suits. 186,528, July 22, 1924. Republished Dec. 14. Class 39.
Weber & Heilbroner, by Weber & Heilbroner, Inc., New York, N. Y. Men's suits. 226,112, Mar. 29, 1927. Republished Dec. 14. Class 39.
Weber & Heilbroner, Inc.: *See*—
Weber & Heilbroner.
Weber & Heilbroner, Inc., New York, N. Y. Hats, caps, overcoats, etc. 349,530, Aug. 31, 1937. Republished Dec. 14. Class 39.
Weber and Heilbroner, Inc., New York, N. Y. Men's suits, slacks, outer and under shirts, etc. 374,185, Jan. 2, 1940. Republished Dec. 14. Class 39.
Weber and Heilbroner, Inc., New York, N. Y. Men's and boys' hats, caps, overcoats, etc. 376,142, Mar. 12, 1940. Republished Dec. 14. Class 39.
Weber and Heilbroner, Inc., New York, N. Y. Men's suits, slacks, outer and under shirts, etc. 378,092, May 28, 1940. Republished Dec. 14. Class 39.
Weber and Heilbroner, Inc., New York, N. Y. Wearing apparel of wool, cotton, silk, etc. 384,922, Feb. 11, 1941. Republished Dec. 14. Class 39.
Webster Electric Company, Racine, Wis. Inter-communicating sound amplifying and transmitting systems. 504,810, Dec. 14; Serial No. 538,058, published Sept. 7, 1948. Class 21.
Weil & Durrse, by Weil & Durrse, Inc., New York, N. Y. Linen fabrics in the piece. 221,342, Nov. 30, 1926. Republished Dec. 14. Class 42.
Weil & Durrse, Inc.: *See*—
Weil & Durrse.
Weiner, Martin, doing business as Martin Weiner Co., New York, N. Y. Rayon piece goods. 504,822, Dec. 14; Serial No. 539,401, published Sept. 7, 1948. Class 42.
Weiner, Martin, Co.: *See*—
Weiner, Martin.
Wells Manufacturing Corporation, Fond du Lac, Wis. Magneto service parts. 408,937, Sept. 5, 1944. Republished Dec. 14. Class 21.
Wembley Cravat Company, Inc., The, by Wembley, Inc., New Orleans, La. Cravats. 322,779, Mar. 19, 1935. Republished Dec. 14. Class 39.
Wembley Cravat Co. Incorporated, by Wembley, Inc., New Orleans, La. Men's and boys' neckwear. 323,500, Apr. 16, 1935. Republished Dec. 14. Class 39.
Wembley Cravat Co., Inc., by Wembley, Inc., New Orleans, La. Neckties. 349,654, Aug. 31, 1937. Republished Dec. 14. Class 39.
Wembley, Inc.: *See*—
Wembley Cravat Co., Inc.
Wembley Cravat Company, Inc., The.
Wembley, Inc., New Orleans, La. Men's neckties and scarfs. 378,011, May 21, 1940. Republished Dec. 14. Class 39.
Wembley, Inc., New Orleans, La. Men's neckties and scarfs. 378,015, May 21, 1940. Republished Dec. 14. Class 39.
Wembley, Inc., New Orleans, La. Men's neckties and scarfs. 391,483, Nov. 11, 1941. Republished Dec. 14. Class 39.

Wenatchee-Beebe Orchard Co., Wenatchee, Wash. Fresh deciduous fruits. 504,769, Dec. 14; Serial No. 530,353, published Aug. 24, 1948. Class 46.
Western Air Lines, Inc., Los Angeles, Calif. Fresh fruits, fresh vegetables, fresh sea-food. 441,614, Dec. 14; Serial No. 594,876. Class 46.
Western Pharmacal Company, by Karl Maeser Pack, Salt Lake City, Utah, assignor to Western Pharmacal Company. Granular effervescent blood salts. 225,080, Mar. 8, 1927. Republished Dec. 14. Class 6.
Western Oregon Packing Corporation, Corvallis, Oreg. Canned fruits, berries and vegetables. 219,067, Oct. 12, 1926. Republished Dec. 14. Class 46.
Western States Grocery Company Oakland, Calif.: *See*—
Petri Cigar Co.
White, James S.: *See*—
Bonded Brands, Incorporated.
White-Rodgers Electric Company, St. Louis, Mo. Instruments and controls responsive to changes in physical conditions. 365,781, Mar. 21, 1939. Republished Dec. 14. Class 26.
White-Rodgers Electric Company, St. Louis, Mo. Instruments and controls responsive to temperature. 369,413, July 25, 1939. Republished Dec. 14. Class 26.
White-Rodgers Electric Company, St. Louis, Mo. Timers, thermostatic hot water controls, and draft controls. 392,986, Jan. 20, 1942. Republished Dec. 14. Class 26.
Whitehead Stamping Company: *See*—
Kales Stamping Company.
White Horse Distillers Limited: *See*—
Mackie & Coy, Distillers, Ltd.
Wiggins Old Tavern, Inc., Northampton, Mass. Candy, cakes, and maple syrup. 441,615, Dec. 14; Serial No. 496,675. Class 46.
Wilhelm Scheim Wwe. Lucul-Nahrmittelfabrik: *See*—
Scheim, Lina.
Wilkinson, J. E., Jr., doing business as Q-Zema Chemical Company, Prattville, Ala. Preparation for the treatment of skin diseases. 240,812, renewed Apr. 10, 1948. O. G. Dec. 14. Class 6.
Windsor-Lloyd Products, Inc., Wilmington, Del. Ignition coils and replacement ignition coils. 504,793, Dec. 14; Serial No. 534,848, published Sept. 14, 1948. Class 21.
Winne, Frank W., & Son Inc., Philadelphia, Pa. Binder twine, sisal binder twine, and sisal rope. 356,604, Mar. 3, 1938. Republished Dec. 14. Class 7.
Wolfenden, R., & Sons, Attleboro, Mass. Fibres, sliver, slubbing, and roving. 403,878, Oct. 19, 1943. Republished Dec. 14. Class 1.
Wolfenden, R., & Sons, Attleboro, Mass. Yarn. 404,590, Dec. 7, 1943. Republished Dec. 14. Class 43.
Wolfenden, R., & Sons, Attleboro, Mass. Piece goods. 404,746, Dec. 21, 1943. Republished Dec. 14. Class 42.
Wollensak Optical Company, Rochester, N. Y. Photographic lenses. 504,722, Dec. 14; Serial No. 495,853, published Sept. 7, 1948. Class 26.
Wonder-Orange Co.: *See*—
Howel, Clayton J.
Worcester Salt Company, New York, N. Y., by Kerr Salt Company, Philadelphia, Pa. Salt. 287,601, Sept. 29, 1931. Republished Dec. 14. Class 46.
Wright, J. A., & Co., Keene, N. H. Polishes in powder and liquid form. 51,240, Apr. 10, 1906. Republished Dec. 14. Class 4.
Wyoming Mining Corporation, by Crozer Coal and Land Company, Philadelphia, Pa. Coal. 431,463, July 22, 1947. Republished Dec. 14. Class 1.
Young, Charles W., doing business as Mineral Clay Products Compny, by Raymond G. Young, Omaha, Nebr. Natural mineral clay product. 185,717, June 24, 1924. Republished Dec. 14. Class 6.
Young, Raymond G.: *See*—
Young, Charles W.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Plymouth Coal and Mining Co. 95,658, Mar. 3, 1914. Republished Dec. 14.
Coal. Wyoming Mining Corporation. 431,463, July 22, 1947. Republished Dec. 14.
Coal, Anthracite. Susquehanna Collieries Company. 312,172, Apr. 17, 1934. Republished Dec. 14.
Coal, Anthracite. Susquehanna Collieries Company. 369,106, July 18, 1939. Republished Dec. 14.
Cotton batting. Stearns & Foster Company. 165,135, Mar. 6, 1923. Republished Dec. 14.
Cotton batting. Stearns & Foster Company. 215,572, July 20, 1926. Republished Dec. 14.
Cotton wadding. Stearns & Foster Company. 397,497, Sept. 8, 1942. Republished Dec. 14.
Fibres, sliver, slubbing, and roving. R. Wolfenden & Sons. 403,878, Oct. 19, 1943. Republished Dec. 14.
Grass seeds, Agricultural and. Springfield Seed Company. 173,063, Sept. 11, 1923. Republished Dec. 14.
Leather in the piece, Lace. J. E. Rhoads & Sons. 250,308, Dec. 4, 1928. Republished Dec. 14.
Monofilaments. Visking Corporation. 425,249, Nov. 12, 1946. Republished Dec. 14.
Monofilaments. Visking Corporation. 429,440, Apr. 29, 1947. Republished Dec. 14.
Peat moss. Atkins & Durbrow, Inc. 199,135, June 2, 1925. Republished Dec. 14.
Seeds. Ferry-Morse Seed Co. 349,247, Aug. 24, 1937. Republished Dec. 14.
Seeds. Ferry-Morse Seed Co. 349,469, Aug. 31, 1937. Republished Dec. 14.
Seeds. Ferry-Morse Seed Co. 422,975, Aug. 20, 1946. Republished Dec. 14.
Seeds. Ferry-Morse Seed Co. 427,298, Feb. 4, 1947. Republished Dec. 14.
Seeds. Ferry-Morse Seed Co. 428,508, Mar. 25, 1947. Republished Dec. 14.
Tubing, Flexible thin-walled plastic. Visking Corporation. 428,736, Apr. 1, 1947. Republished Dec. 14.

CLASS 2

Bags. Bemis Bro. Bag. Company. 504,753, Dec. 14; Serial No. 526,844, published Sept. 14, 1948.
Bags, Wax-paper. Newark Paraffine & Parchment Paper Co. 254,809, renewed Apr. 2, 1949. O. G. Dec. 14.
Cans, Milk, milk pails, ice cream cans, etc. Superior Metal Products Company. 397,794, Sept. 22, 1942. Republished Dec. 14.
Cans, Water, and heat insulated water coolers. L. Covey. 504,733, Dec. 14; Serial No. 513,031, published Sept. 14, 1948.
Casings and tubing, Cellulose. Visking Corporation. 425,530, Nov. 26, 1946. Republished Dec. 14.
Casings, Artificial sausage. Visking Corporation. 379,873, July 30, 1940. Republished Dec. 14.
Casings, Artificial sausage. Visking Corporation. 388,425, June 24, 1941. Republished Dec. 14.
Casings, Cellulose sausage. Visking Corporation. 417,447, Oct. 30, 1945. Republished Dec. 14.
Casings, Sausage. Visking Corporation. 310,467, Feb. 27, 1934. Republished Dec. 14.
Casings, Sausage and hamburger. Visking Corporation. 309,754, Jan. 30, 1934. Republished Dec. 14.
Coasters. M. E. Jones. 441,578, Dec. 14; Serial No. 505,419, published Sept. 14, 1948.
Coasters. Steeds-Prall Company. 441,577, Dec. 14; Serial No. 502,238, published Sept. 14, 1948.
Compacts, Empty. Lin-Bren Products Corporation. 504,887, Dec. 14; Serial No. 543,305.
Dinnerware, Plastic. Wm. Richman Supply Corp. 441,613, Dec. 14; Serial No. 526,292, published Sept. 14, 1948.
Protectors, Merchandise. Visking Corporation. 388,424, June 24, 1941. Republished Dec. 14.
Refuse or utility container, Household utility bucket-type plastic. A. L. Joseph. 504,735, Dec. 14; Serial No. 514,456, published Sept. 14, 1948.
Salt and pepper shaker sets formed of synthetic resinous compositions. Sterling Plastics Co. 504,784, Dec. 14; Serial No. 532,967, published Sept. 14, 1948.
Textile goods. Pi Beta Phi Settlement School of The Pi Beta Phi Fraternity. 248,856, Oct. 30, 1928. Corrected. O. G. Dec. 14.
Tubes in the nature of containers and bags. Visking Corporation. 422,073, July 2, 1946. Republished Dec. 14.
Wardrobe bags, Plastic, paper bags, paper cups, etc. Household Paper Products Co. 504,828, Dec. 14; Serial No. 540,510, published Sept. 14, 1948.

CLASS 4

Cleanser, Powdered. Purex Corporation, Ltd. 504,881, Dec. 14; Serial No. 533,200.
Polishes in powder and liquid form. J. A. Wright & Co. 51,240, Apr. 10, 1906. Republished Dec. 14.
Soaps and shaving creams. Sheffield Company. 330,843, Dec. 17, 1935. Republished Dec. 14.

CLASS 5

Cement, Pigment linoleum. R. J. Sisk. 164,438, Feb. 20, 1923. Republished Dec. 14.

CLASS 6

Anesthetics, Surface, and antiseptics. R. D. Frawley. 308,786, Dec. 19, 1933. Republished Dec. 14.
Antiseptic deodorant powders, and medicated greaseless skin creams. M. P. Minter. 365,970, Mar. 21, 1939. Republished Dec. 14.
Balsams, purgatives, pastils, etc. J. Bengue. 66,633, re-renewed Dec. 17, 1947. O. G. Dec. 14.
Beautifier. Schnefel Bros. Corporation. 345,838, May 11, 1937. Republished Dec. 14.

Bleach, germicide, and disinfectant. Beacon Chemical Corporation. 388,093, June 10, 1941. Republished Dec. 14.
Cases, Filled vanity, containing compressed rouge and face powder. Stern Brothers. 254,060, renewed Mar. 12, 1949. O. G. Dec. 14.
Chemical bleaching and washing fluid. Washing Fluid Chemical Co. 244,561, July 24, 1928. Republished Dec. 14.
Chemical compounds. Bird-Archer Company. 79,549, Sept. 20, 1910. Republished Dec. 14.
Clay product, Natural mineral. C. W. Young. 185,717, June 24, 1924. Republished Dec. 14.
Colorings, Food. Price Flavoring Extract Company. 198,851, May 26, 1925. Republished Dec. 14.
Compound used for hot-water circulating systems, automobile radiators, etc. Garratt-Callahan Co. 201,615, Aug. 4, 1925. Republished Dec. 14.
Cosmetic preparations. Walgreen Co. 351,544, Nov. 2, 1937. Republished Dec. 14.
Croup remedy. E. A. Gillans. 110,955, June 20, 1916. Republished Dec. 14.
Deodorant and disinfectant, etc., Garbage. Sherco Products Corporation. 376,103, Mar. 12, 1940. Republished Dec. 14.
Deodorant, Ointment. Barbasol Company. 261,540, Sept. 17, 1929. Republished Dec. 14.
Dog remedies, Following-named: Condition pills, arsenic and iron pills, soft carbolic soap, mange ointment, etc. Polk Miller Drug Co. 66,521, Dec. 10, 1907. Republished Dec. 14.
Fungicides. Stauffer Chemical Company. 504,880, Dec. 14; Serial No. 532,375.
Insecticide. Mackwin Company. 371,317, Sept. 19, 1939. Republished Dec. 14.
Insecticides. Stauffer Chemical Company. 504,879, Dec. 14; Serial No. 532,359.
Jelly-like material for use in application to coated surfaces, etc. E. M. Freeman. 356,353, Apr. 26, 1938. Republished Dec. 14.
Lime, Chlorinated. Pennsylvania Salt Manufacturing Company. 248,083, renewed Oct. 16, 1948. O. G. Dec. 14.
Medical preparation. R. L. Gaddy. 504,866, Dec. 14; Serial No. 514,950.
Nail polish and nail enamel. Schnefel Bros. Corporation. 395,516, Nov. 3, 1942. Republished Dec. 14.
Nail polish, Base coat. Schnefel Bros. Corporation. 360,546, Sept. 20, 1938. Republished Dec. 14.
Ointment. A. H. Metcalf. 249,437, renewed Nov. 13, 1948. O. G. Dec. 14.
Ointment for the treatment of eczema and other skin disorders. Thomas Chemical Co., Inc. 311,431, Mar. 20, 1934. Republished Dec. 14.
Ointment having medicinal properties. D. A. Flood. 150,361, Jan. 3, 1922. Republished Dec. 14.
Paste, Rat and roach. Stearns' Electric Paste Co. 144,063, June 21, 1921. Republished Dec. 14.
Preparation for the prevention of nail-biting and thumb-sucking of infants. R. D. Frawley. 329,522, Nov. 5, 1935. Republished Dec. 14.
Preparation for the treatment of skin diseases. J. E. Wilkinson, Jr. 240,812, renewed Apr. 10, 1948. O. G. Dec. 14.
Preparation used as an antiseptic, germicide, disinfectant, etc. Polk Miller Products Corp. 300,694. Jan. 31, 1933. Republished Dec. 14.
Preparations for shampoo purposes. John H. Breck, Inc. 359,764, Aug. 30, 1938. Republished Dec. 14.
Remedy, Internal, for treatment of various colds, bronchial troubles, grippe, etc. Brewer & Company, Inc. 504,884. Dec. 14; Serial No. 542,217.
Salts, Granular effervescent blood. Western Pharmacal Company. 225,080, Mar. 8, 1927. Republished Dec. 14.
Scalp cleanser and hair dressing. T. Impell. 411,594, Jan. 23, 1945. Republished Dec. 14.
Solution of certain metallic colloids. Mulford Colloid Laboratories. 348,590, Aug. 3, 1937. Republished Dec. 14.
Solution of sulphur in colloidal form. Mulford Colloid Laboratories. 359,660, Aug. 30, 1938. Republished Dec. 14.
Tooth paste. J. R. Brundage, Inc. 314,603, July 3, 1934. Republished Dec. 14.
Tooth paste. J. R. Brundage, Inc. 322,366, Mar. 5, 1935. Republished Dec. 14.

CLASS 7

Rope. Columbian Rope Company. 50,586, Mar. 27, 1906. Republished Dec. 14.
Twine, Binder, sisal binder twine, and sisal rope. Frank W. Winne & Son Inc. 356,604, Mar. 3, 1938. Republished Dec. 14.
Twine of cotton or jute. Mente & Co., Inc. 309,172, Jan. 2, 1934. Republished Dec. 14.

CLASS 9

Shotguns, Automatic. Browning Brothers Company. 248,671, renewed Oct. 30, 1948. O. G. Dec. 14.

CLASS 10

Fertilizer for fertilizing soil. G. R. Ingles. 504,874, Dec. 14; Serial No. 529,770.

CLASS 12

Building products, Thermal and sound insulating. Charles Lachman Co., Inc. 294,077, May 17, 1932. Republished Dec. 14.
Building products, Thermal and sound insulating. Charles Lachman Co., Inc. 294,079, May 17, 1932. Republished Dec. 14.
Cement flooring, Magnesite. G. J. Donaldson. 407,203, May 23, 1944. Republished Dec. 14.
Concrete units. Maul Company. 285,666, Aug. 4, 1931. Republished Dec. 14.
Downspouts, Copper, metal dividing strips, brace railings, etc. Chase Brass & Copper Co. Incorporated. 287,530, Sept. 29, 1931. Republished Dec. 14.
Heat, Fibrous cotton, and sound insulating material. Gilman Brothers Company. 415,613, Aug. 14, 1945. Republished Dec. 14.
Metal sheets, Protected. H. H. Robertson Company. 231,363, Aug. 16, 1927. Republished Dec. 14.
Planks, Tongue and groove aerated concrete. Martin Fireproofing Corporation. 396,080, June 30, 1942. Republished Dec. 14.
Slab or plank, Reinforced concrete channel-shaped. Martin Fireproofing Corporation. 412,640, Mar. 20, 1945. Republished Dec. 14.

CLASS 13

Paper, Autograph, bill heads, blank books, etc. International Printing Pressmen and Assistants' Union of North America. 398,018, Oct. 6, 1942. Republished Dec. 14.
Paper, Autograph, bill heads, blank books, etc. International Printing Pressmen and Assistants' Union of North America. 398,020, Oct. 6, 1942. Republished Dec. 14.
Pipe, Metal. Chase Brass & Copper Co. Incorporated. 303,994, June 13, 1933. Republished Dec. 14.
Pipes, Metal, conduits, and culverts. H. H. Robertson Company. 362,869, Dec. 6, 1938. Republished Dec. 14.
Valve mechanisms. Bendix Aviation Corporation. 432,056, Aug. 29, 1947. Republished Dec. 14.
Wire-cloth. Gilbert & Bennett Manufacturing Company. 48,034, Dec. 5, 1905. Republished Dec. 14.

CLASS 14

Sheet-metal and wire. Chase Brass & Copper Co. Incorporated. 304,538, July 11, 1933. Republished Dec. 14.
Steel castings, Unfinished, vestibule frames, gears, etc. Union Steel Casting Company. 222,135, Dec. 21, 1926. Republished Dec. 14.
Type-metal. Imperial Type Metal Co. 192,517, Dec. 9, 1924. Republished Dec. 14.

CLASS 15

Kerosene. Standard Oil Co. 314,765, July 10, 1934. Republished Dec. 14.
Oil, Cylinder. Standard Oil Co. 311,074, Mar. 13, 1934. Republished Dec. 14.

CLASS 16

Paint and varnish remover. Valentine & Company. 342,917, Feb. 2, 1937. Republished Dec. 14.
Paint enamel. Valentine & Company. 342,918, Feb. 2, 1937. Republished Dec. 14.
Paint enamels. American Varnish Company. 173,709, Oct. 2, 1923. Republished Dec. 14.
Paint enamels, Quick dry, and floor and porch paint enamels. Con-Ferro Paint & Varnish Company. 335,615, June 9, 1936. Republished Dec. 14.
Paint enamels, Quick dry, porch and floor paint enamels, and screen paint enamels. Con-Ferro Paint and Varnish Company. 335,578, June 9, 1936. Republished Dec. 14.
Paint oil. Valentine & Company. 341,882, Dec. 29, 1936. Republished Dec. 14.
Paints, Ready-mixed. International Compositions Company, Inc. 287,497, Sept. 29, 1931. Republished Dec. 14.
Paints, Ready-mixed. Valentine & Company. 344,842, Apr. 6, 1937. Republished Dec. 14.
Paints, Ready-mixed, paint enamels, aluminum paint, etc. Valentine & Company. 340,743, Nov. 17, 1936. Republished Dec. 14.
Paints, Ready-mixed, screen paint enamels, stovepipe paint enamels, etc. Con-Ferro Paint & Varnish Company. 335,600, June 9, 1936. Republished Dec. 14.
Paints, stains, enamels, etc. Patterson-Sargent Company. 70,999, re-renewed Oct. 20, 1948. O. G. Dec. 14.
Polish, Furniture and automobile. A. A. Banks. 345,403, Apr. 27, 1937. Republished Dec. 14.
Wax or similar preservative and protective compositions. Franklin Research Company. 354,923, Mar. 1, 1938. Republished Dec. 14.

CLASS 17

Cigars. Consolidated Cigar Corporation. 232,114, Aug. 30, 1927. Republished Dec. 14.
Cigars. Consolidated Cigar Corporation. 313,943, June 12, 1934. Republished Dec. 14.
Cigars. Consolidated Cigar Corporation. 323,635–6, Apr. 23, 1935. Republished Dec. 14.
Cigars. Consolidated Cigar Corporation. 333,064, Mar. 10, 1936. Republished Dec. 14.
Cigars. Consolidated Cigar Corporation. 385,464, Mar. 4, 1941. Republished Dec. 14.
Cigars. Consolidated Cigar Corporation. 419,937, Apr. 12, 1946. Republished Dec. 14.

Cigars. Consolidated Cigar Corporation. 420,413–14, Apr. 9, 1946. Republished Dec. 14.
Cigars. Consolidated Cigar Corporation. 424,606, Oct. 15, 1946. Republished Dec. 14.
Cigars. Consolidated Cigar Corporation. 425,252, Nov. 12, 1946. Republished Dec. 14.
Cigars. Lewis Osterweis & Sons. 244,765, July 24, 1928. Republished Dec. 14.
Cigars. Lewis Osterweis & Sons. 335,748, June 16, 1936. Republished Dec. 14.
Tobacco, Smoking and chewing. Gallaher, Limited. 237,883, Jan. 17, 1928. Republished Dec. 14.

CLASS 19

Bicycles, motorcycles, tricycles, etc. James Cycle Co. Limited. 127,423, renewed Nov. 11, 1939. O. G. Dec. 14.
Mirrors for motor vehicles. Kales Stamping Company. 197,613, Apr. 21, 1925. Republished Dec. 14.
Windshield-cleaners. Folberth Auto Specialty Co. 148,578, renewed Jan. 5, 1948. O. G. Dec. 14.

CLASS 21

Antenna, Radio. Ward Products Corporation. 504,842, Dec. 14; Serial No. 542,981, published Sept. 7, 1948.
Ceramic electrical insulating materials, Prepared. Orefraction Incorporated. 441,609, Dec. 14; Serial No. 525,021, published Aug. 24, 1948.
Coils, Ignition, and replacement ignition coils. Windsor-Lloyd Products, Inc. 504,793, Dec. 14; Serial No. 534,848, published Sept. 14, 1948.
Connectors, Electric, electric conductors and electric rail bonds. Ohio Brass Company. 504,732, Dec. 14; Serial No. 511,570, published Sept. 14, 1948.
Electric air circulating fans. Signal Electric Manufacturing Co. 504,785, Dec. 14; Serial No. 533,410, published Sept. 7, 1948.
Electric combination broiler, grill, and warming oven and parts thereof. O. E. Eckhoff. 504,833, Dec. 14; Serial No. 541,523, published Sept. 14, 1948.
Electric dynamotors, electric motors, rotary electric converters, and inverters, etc. Elcor, Inc. 375,868, Mar. 6, 1940. Republished Dec. 14.
Electric generators and Diesel electric generator sets and parts for said products. Caterpillar Tractor Co. 504,829, Dec. 14; Serial No. 540,642, published Sept. 14, 1948.
Electric lamps. W. J. Miller. 434,046, Nov. 4, 1947. Republished Dec. 14.
Electric metal-working apparatus. Thomson Electric Welder Company. 504,840, Dec. 14; Serial No. 542,799, published Sept. 14, 1948.
Electric motors, generators, magnetos, etc. Bendix Aviation Corporation. 431,622, July 29, 1947. Republished Dec. 14.
Electrical apparatus. Gregory Electric Company. 504,736, Dec. 14; Serial No. 515,874, published Sept. 14, 1948.
Electrical cutouts. W. N. Matthews Corporation. 504,748, Dec. 14; Serial No. 522,896, published Sept. 7, 1948.
Electrical devices. G. H. Leland, Inc. 504,841, Dec. 14; Serial No. 542,853, published Sept. 7, 1948.
Electrical equipment. United States War Department. 504,860, Dec. 14; Serial No. 534,843, published Aug. 24, 1948.
Flash lights and flash-light cases. Carbon Products Co. 254,020, renewed Mar. 12, 1949. O. G. Dec. 14.
Floor polishers and cleaners, Electrically operated. Multi-Clean Products, Incorporated. 504,776, Dec. 14; Serial No. 531,047, published Sept. 14, 1948.
Heating units, etc., Electrical. Tuttle & Kift, Inc. 504,745, Dec. 14; Serial No. 520,480, published Sept. 7, 1948.
Lighting equipment, Flood, mercury industrial lighting fixtures, fluorescent lighting fixtures, etc. Smoot-Holman Company. 504,795, Dec. 14; Serial No. 535,190, published Sept. 7, 1948.
Magneto service parts. Wells Manufacturing Corporation. 408,937, Sept. 5, 1944. Republished Dec. 14.
Motor vehicle accessories. Doray Lamp Co., Inc. 504,819, Dec. 14; Serial No. 538,731, published Sept. 7, 1948.
Motors, Starting, generators and dynamotors. Eclipse Aviation Corporation. 335,020, May 19, 1936. Republished Dec. 14.
Radio and telephone headsets and earphones, group hearing aids. Trimm, Inc. 504,816, Dec. 14; Serial No. 538,676, published Sept. 7, 1948.
Radio receiving sets. Empire Manufacturing Company. 504,839, Dec. 14; Serial No. 542,300, published Sept. 14, 1948.
Radio receiving sets. Harden Associates, Inc. 504,823, Dec. 14; Serial No. 539,515, published Aug. 17, 1948.
Radio receiving sets and radio phonograph combination sets. Magnavox Company. 504,782, Dec. 14; Serial No. 532,144, published Apr. 6, 1948.
Radio receiving sets, automatic electric phonograph players and phonograph record changers, etc. Hallicrafters Co. 504,720, Dec. 14; Serial No. 491,254, published May 11, 1948.
Radio receiving sets; radio receiving apparatus, etc. Scott Radio Laboratories Incorporated. 504,826, Dec. 14; Serial No. 540,462, published Sept. 14, 1948.
Shades, Electric lamp. Railley Corporation. 441,584, Dec. 14; Serial No. 511,502, published Sept. 14, 1948.
Sound amplifying, Inter-communicating, and transmitting systems. Webster Electric Company. 504,810, Dec. 14; Serial No. 538,058, published Sept. 7, 1948.
Storage batteries. Corsair Company. 504,834, Dec. 14; Serial No. 541,647, published Aug. 24, 1948.
Storage batteries, Electric. A. Setzer. 181,596, Mar. 25, 1924. Republished Dec. 14.
Transformers, Electric. Maguire Industries, Incorporated. 504,759, Dec. 14; Serial No. 528,936, published Sept. 7, 1948.
Transmitters and repeaters, Synchronous electrical angular motion. Ford Instrument Company, Inc. 504,788, Dec. 14; Serial No. 534,265, published Aug. 24, 1948.
Tube apparatus, Electronic. General Electric Company. 441,588, Dec. 14; Serial No. 512,835, published Sept. 9, 1947.
Tubes, Radio vacuum. Walgreen Co. 308,019, Nov. 14, 1933. Republished Dec. 14.
Vacuum cleaner, Electric. Syndicate-Alliance Trading Co., Inc. 350,820, Oct. 5, 1937. Republished Dec. 14.
Vacuum cleaners, Electric. Modern Hygiene Corporation. 504,806, Dec. 14; Serial No. 537,810, published Sept. 7, 1948.
Vacuum cleaners, Electric. United Utilities & Specialty Corporation. 504,779, Dec. 14; Serial No. 531,553, published Aug. 31, 1948.
Voltage regulators and variable voltage transformers. Acme Electric Corporation. 504,775, Dec. 14; Serial No. 530,890, published Sept. 7, 1948.

CLASS 22

Bicycles, motorcycles, tricycles, etc. James Cycle Co. Limited. 127,423, renewed Nov. 11, 1939. O. G. Dec. 14.
Game, Bagatelle type amusement. Boizelle & Elsinger Corporation. 504,883, Dec. 14; Serial No. 539,124.
Golf balls. Bonded Brands, Incorporated. 348,764, Aug. 10, 1937. Republished Dec. 14.

CLASS 23

Auger bits. Irwin Auger Bit Company. 367,384, May 16, 1939. Republished Dec. 14.
Auger bits. Irwin Auger Bit Company. 373,152, Nov. 28, 1939. Republished Dec. 14.
Auger bits, Expansive wood-boring. Irwin Auger Bit Company. 379,090, July 2, 1940. Republished Dec. 14.
Bits and augers. Irwin Auger Bit Company. 65,244, Sept. 17, 1907. Republished Dec. 14.
Blades, Razor. Club Razor & Blade Mfg. Corp. 381,108, Sept. 10, 1940. Republished Dec. 14.
Clamps, Rope. American Hoist & Derrick Co. 156,609, July 11, 1922. Republished Dec. 14.
Clutches, Mechanical, clutch plates, and parts thereof. Borg & Beck Company. 300,396, Jan. 17, 1933. Republished Dec. 14.
Clutches, Mechanical, clutch plates, parts thereof. Borg-Warner Corporation. 398,179, Oct. 13, 1942. Republished Dec. 14.
Conveyors, Flexible spring belt. E. C. Horne. 399,013, Dec. 8, 1942. Republished Dec. 14.
Cutting machines, Masonry, and parts thereof. Martin Fireproofing Corporation. 383,516, Dec. 10, 1940. Republished Dec. 14.
Files and rasps. Carver File Company. 50,089, Mar. 6, 1906. Republished Dec. 14.
Mower, binder, header, and reaper guards, heads, and pitman boxes. R. Herschel Manufacturing Co. 164,594, Feb. 20, 1923. Republished Dec. 14.
Paper, Autograph, bill heads, blank books, etc. International Printing Pressmen and Assistants' Union of North America. 398,018, Oct. 6, 1942. Republished Dec. 14.
Paper, Autograph, bill heads, blank books, etc. International Printing Pressmen and Assistants' Union of North America. 398,020, Oct. 6, 1942. Republished Dec. 14.
Pile drivers, locomotive cranes, crawler cranes, etc. Great Lakes Dredge & Dock Company. 248,738, renewed Oct. 30, 1948. O. G. Dec. 14.
Portable apparatus adapted for various uses such as automobile jacks. Auto Specialties Manufacturing Company. 357,676, June 14, 1938. Republished Dec. 14.
Pump shafts and poppet valves. Thompson Products, Inc. 249,035, renewed Nov. 6, 1948. O. G. Dec. 14.
Razors, Safety. J. Potter. 130,560, Apr. 27, 1920. Republished Dec. 14.
Razors, shears, scissors, etc., All manner and kinds of. C. S. Bresnick. 235,317, Nov. 15, 1927. Republished Dec. 14.
Razors, shears, scissors, etc., All manner and kinds of. C. S. Bresnick. 250,452, Dec. 11, 1928. Republished Dec. 14.
Rollers and blocks, Wall-paper print. F. P. Dustan. 218,823, Oct. 5, 1926. Republished Dec. 14.
Sewing machines, felling machines, dyeing machinery, etc. Isaac Braithwaite & Son, Engineers, Limited. 249,333, renewed Nov. 13, 1948. O. G. Dec. 14.
Sprayers, Hand and power operated, spray pumps, fire pumps, etc. D. B. Smith & Company, Inc. 252,792, renewed Feb. 12, 1949. O. G. Dec. 14.
Tools and machinery. Billings & Spencer Company. 399,829, Feb. 2, 1943. Republished Dec. 14.

CLASS 24

Machines for washing garments and fabrics, wringing and mangling machines, and garment pressing machines. Isaac Braithwaite & Son, Engineers, Limited. 249,047, renewed Nov. 6, 1948. O. G. Dec. 14.
Washboards. National Washboard Company. 252,742, renewed Feb. 12, 1949. O. G. Dec. 14.
Washboards. National Washboard Company. 252,746–7, renewed Feb. 12, 1949. O. G. Dec. 14.

CLASS 26

Adding, listing, and calculating machines. Wales Adding Machine Company. 134,199, Aug. 17, 1920. Republished Dec. 14.
Baths, Water. Technicon Co. 504,740, Dec. 14; Serial No. 517,930, published Sept. 14, 1948.
Cabinets, Box-like temperature controlled. Garrison Machine Works, Inc. 441,572, Dec. 14; Serial No. 481,322, published Sept. 7, 1948.
Columns, Liquid level, liquid level controls, etc. Reliance Gauge Column Company. 504,764, Dec. 14; Serial No. 529,698, published Sept. 14, 1948.
Gauges, Draft. F. W. Dwyer. 441,610, Dec. 14; Serial No. 525,072, published Sept. 7, 1948.
Gauging material, Plastic. Perfect Circle Corporation. 504,746, Dec. 14; Serial No. 521,820, published Sept. 7, 1948.
Instrument for testing and analysing circuit breakers. Cincinnati Clock & Instrument Co. 504,780, Dec. 14; Serial No. 531,652, published Sept. 14, 1948.
Instruments and controls responsive to changes in physical conditions. White-Rodgers Electric Company. 365,781, Mar. 21, 1939. Republished Dec. 14.
Instruments and controls responsive to temperature. White-Rodgers Electric Company. 369,413, July 25, 1939. Republished Dec. 14.
Lenses, Photographic. Argus, Incorporated. 441,583, Dec. 14; Serial No. 511,195, published Sept. 14, 1948.
Lenses, Photographic. Bell & Howell Company. 504,778, Dec. 14; Serial No. 531,293, published Sept. 14, 1948.
Lenses, Photographic. Wollensak Optical Company. 504,722, Dec. 14; Serial No. 495,853, published Sept. 7, 1948.
Lenses, Projection. Bell & Howell Company. 504,761, Dec. 14; Serial No. 529,562, published Sept. 14, 1948.
Machines for locating and measuring unbalance in rotating parts and bodies, etc. Gisholt Machine Company. 504,726–7, Dec. 14; Serial Nos. 507,981–2, published Sept. 7, 1948.
Micro-projectors, auxiliary power units therefor, etc. Scopicon Inc. 504,739, Dec. 14; Serial No. 516,735, published Sept. 14, 1948.
Mixing and measuring machines and instruments for paints. Sherwin-Williams Company. 441,606, Dec. 14; Serial No. 524,736, published Sept. 7, 1948.
Motion picture films. Metro Pictures Corporation. 171,816, Aug. 14, 1923. Republished Dec. 14.
Motion-picture films. Metro Pictures Corporation. 178,349, Jan. 8, 1924. Republished Dec. 14.
Motion pictures. Fox Case Corporation. 251,585, renewed Jan. 8, 1949. O. G. Dec. 14.
Motion pictures. Fox Case Corporation. 251,605, renewed Jan. 8, 1949. O. G. Dec. 14.
Optical elements. Ray-Control Company. 441,575, Dec. 14; Serial No. 492,222, published Sept. 7, 1948.
Optical goods. Charles Foster & Co. 504,749, Dec. 14; Serial No. 524,969, published Sept. 14, 1948.
Optical goods. Charles Foster & Co. 504,781, Dec. 14; Serial No. 531,658, published Sept. 14, 1948.
Photographic and photo-engraving product. Chemco Photoproducts Company. 361,019, Oct. 4, 1938. Republished Dec. 14.
Photographic apparatus, and accessories. Pignons S. A. 441,587, Dec. 14; Serial No. 512,088, published Sept. 7, 1948.
Rules, folding rules, and extension rules. Master Rule Manufacturing Co., Inc. 388,720, July 8, 1941. Republished Dec. 14.
Scales, Balances and weighing. Christian Becker, Inc. 171,827, Aug. 14, 1923. Republished Dec. 14.
Scales, Weighing. Rock-Ola Manufacturing Corporation. 504,837, Dec. 14; Serial No. 541,785, published Sept. 7, 1948.
Slide-charts showing percentage possibilities of various poker hands, Printed. Perrygraf Corporation. 441,605, Dec. 14; Serial No. 524,078, published Sept. 14, 1948.
Stands, Projector. Bell & Howell Company. 504,762, Dec. 14; Serial No. 529,571, published Sept. 14, 1948.
Thermometers. L. L. Klamkin. 404,297, Nov. 16, 1943. Republished Dec. 14.
Time-controlled follow-up card holding and designating machines, Electrically operated. Pennzoil Company. 504,734, Dec. 14; Serial No. 514,133, published Sept. 7, 1948.
Timers, thermostatic hot water controls, and draft controls. White-Rodgers Electric Company. 392,896, Jan. 20, 1942. Republished Dec. 14.
Valves, Refrigerant control. Alco Valve Company. 432,400, Sept. 2, 1947. Republished Dec. 14.

CLASS 28

Jewelry. Ostby and Barton Company. 313,362, May 29, 1934. Republished Dec. 14.
Jewelry. Ostby and Barton Company. 314,155, June 19, 1934. Republished Dec. 14.
Jewelry. Ostby and Barton Company. 334,957, May 19, 1936. Republished Dec. 14.
Jewelry. Ostby and Barton Company. 368,693, June 27, 1939. Republished Dec. 14.
Jewelry. Ostby and Barton Company. 373,832, Dec. 26, 1939. Republished Dec. 14.
Pins, Fraternity, badges, lapel buttons, etc. Phi Chi. 234,605, Nov. 1, 1927. Republished Dec. 14.

CLASS 32

Bedroom, living room, dining room, and dinette furniture. Meier & Frank Company, Inc. 359,154, Aug. 9, 1938. Republished Dec. 14.
Bed-springs and seat-spring constructions. Barber Manufacturing Company. 120,707, Mar. 5, 1918. Republished Dec. 14.
Chairs, Lounge. Kroehler Manufacturing Company. 390,262, Sept. 16, 1941. Republished Dec. 14.
Furniture, Wooden. Pi Beta Phi Settlement School of The Pi Beta Phi Fraternity. 248,756, Oct. 30, 1928. Corrected. O. G. Dec. 14.
Mattresses. Stearns & Foster Company. 159,117–19, Sept. 19, 1922. Republished Dec. 14.
Mattresses. Stearns & Foster Company. 172,370, Aug. 28, 1923. Republished Dec. 14.
Mattresses. Stearns & Foster Company. 181,105, Mar. 11, 1924. Republished Dec. 14.
Mattresses and box springs. Stearns & Foster Company. 336,942, July 21, 1936. Republished Dec. 14.
Mattresses, pillows, and box springs. M. Gordon. 179,924, Feb. 19, 1924. Republished Dec. 14.
Pillows. P. R. Mitchell Co. 244,703, July 24, 1928. Republished Dec. 14.
Upholstered living room furniture. Kroehler Manufacturing Company. 416,428, Sept. 11, 1945. Republished Dec. 14.

CLASS 34

Air conditioning units. United States Air Conditioning Corporation. 345,258, Apr. 20, 1937. Republished Dec. 14.
Generators, Steam. Pierce Butler Radiator Corporation. 504,869, Dec. 14; Serial No. 512,926.

CLASS 35

Belting, Rubber, rubber hose, machinery packing, etc. Anchor Packing Company. 254,554, renewed Mar. 26, 1949. O. G. Dec. 14.
Hose, Flexible metal. Bendix Aviation Corporation. 423,438, Sept. 3, 1946. Republished Dec. 14.
Machinery packing. C. A. Daniel. 52,414, May 8, 1906. Republished Dec. 14.
Machinery packing. Quaker City Rubber Company. 218,591, Sept. 28, 1926. Republished Dec. 14.
Packings for the wearing and bearing parts of machines and mechanical devices. Tweed, Greene, & Co. 53,420, June 5, 1906. Republished Dec. 14.
Tire, Vehicle, and tube patching materials. Shaler Company. 288,169, Oct. 20, 1931. Republished Dec. 14.
Tires, Automobile. Corduroy Tire Company. 247,266, Sept. 25, 1928. Republished Dec. 14.
Tires of rubber, fabric, synthetic rubber. Richmond Rubber Co., Inc. 406,369, Mar. 28, 1944. Republished Dec. 14.
Tires of rubber, fabric, synthetic rubber. Richmond Rubber Co., Inc. 407,330, Mar. 30, 1944. Republished Dec. 14.
Tires, Pneumatic vehicle, and portable tire repair kits. Shaler Company. 291,253, Feb. 2, 1932. Republished Dec. 14.

CLASS 36

Music stands. Krauth & Benninghofen. 504,804, Dec. 14; Serial No. 537,198, published Sept. 14, 1948.
Phonograph records of the disc type, Mechanically grooved. Teen-Timers, Inc. 433,963, Nov. 4, 1947. Republished Dec. 14.
Pianos and non-electrical phonographs. Strawbridge & Clothier. 504,798, Dec. 14; Serial No. 535,647, published Sept. 14, 1948.
Records, Mechanically, grooved phonograph, and record blanks. Columbia Records Inc. 504,843, Dec. 14; Serial No. 544,550, published Sept. 14, 1948.
Records of the mechanically grooved type. Phonograph. Pilot Radio Corporation. 441,576, Dec. 14; Serial No. 496,269, published Sept. 14, 1948.

CLASS 37

Paper, Dull-finished. Martin Cantine Company. 269,125, Mar. 25, 1930. Republished Dec. 14.
Paper, Autograph, bill heads, blank books, etc. International Printing Pressmen and Assistants' Union of North America. 398,018, Oct. 6, 1942. Republished Dec. 14.
Paper, Autograph, bill heads, blank books, etc. International Printing Pressmen and Assistants' Union of North America. 398,020, Oct. 6, 1942. Republished Dec. 14.

Paper, Wrapping and printing, and converting papers. Nekoosa-Edwards Paper Company. 278,724, Dec. 30, 1930. Republished Dec. 14.
Paper, Writing, and envelopes. Brittains Limited. 74,010, June 8, 1909. Republished Dec. 14.
Record and account book, Physicians'. Colwell Publishing Company. 309,610, Jan. 23, 1934. Republished Dec. 14.
Tissue, Stereotyping and copying. R. W. Brooks. 172,926, Sept. 11, 1923. Republished Dec. 14.
Toilet-paper. Mt. Holyoke Tissue Mills. 100,014, Sept. 29, 1914. Republished Dec. 14.

CLASS 38

Almanacs, annual publications, book series, etc. International Printing Pressmen and Assistants' Union of North America. 398,019, Oct. 6, 1942. Republished Dec. 14.
Almanacs, annual publications, book series, etc. International Printing Pressmen and Assistants' Union of North America. 398,021, Oct. 6, 1942. Republished Dec. 14.
Books and manuals. E. M. Hale and Company. 384,073, Jan. 7, 1941. Republished Dec. 14.
Bulletin issued twice each month. Commercial Museum. 441,618, Dec. 14; Serial No. 510,917.
Bulletin published from time to time devoted to coal heating. National Coal Association. 504,863, Dec. 14; Serial No. 512,980.
Card devices for teaching and learning elementary arithmetic. Printed educational mechanical. Mathaids Manufacturing Co. 504,885, Dec. 14; Serial No. 542,326.
Cards, Personalized and caricatured printed. A. Mapa. 504,876, Dec. 14; Serial No. 530,945.
House organ published at irregular intervals. James Lees and Sons Company. 504,871, Dec. 14; Serial No. 524,243.
Magazine of general circulation relating to ships and sailing. Kalmbach Publishing Company. 504,872, Dec. 14; Serial No. 524,401.
Magazine, Technical. Haire Publishing Company. 441,619, Dec. 14; Serial No. 513,973.
Manuals and sections in magazines, Annually published. F. Kogos. 441,616, Dec. 14; Serial No. 497,391.
Menus and bills of fare, Printed and lithographed. Menus, Inc. 504,873, Dec. 14; Serial No. 529,078.
Periodical, Monthly. Popular Mechanics Company. 504,861, Dec. 14; Serial No. 487,143.
Periodical, Weekly. J. A. Forsyth. 504,877, Dec. 14; Serial No. 531, 457.
Periodicals. Orange Judd Company. 46,136, Sept. 5, 1905. Republished Dec. 14.
Posters, Window, printed window advertising, Christmas cards, display cards, etc. Color-Craft, Inc. 504,886, Dec. 14; Serial No. 542,844.
Publication issued every fourth week. Jay Emanuel Publications, Incorporated. 504,867–8, Dec. 14; Serial Nos. 519,266–7.
Publication, Monthly musical. Metronome Corporation. 504,865, Dec. 14; Serial No. 514,666.
Publications, Periodical, printed from time to time. L. L. Trimble. 504,888, Dec. 14; Serial No. 543,762.
Series of music instruction books and charts. Play-By-Cite Music, Inc. 504,870, Dec. 14; Serial No. 522,398.

CLASS 39

Articles of personal apparel. G. C. Murphy Company. 386,708, Apr. 22, 1941. Republished Dec. 14.
Boots. Goodall Rubber Company. 389,712, Aug. 19, 1941. Republished Dec. 14.
Boots and shoes. Thomas G. Plant Company. 32,341, re-renewed Jan. 10, 1949. O. G. Dec. 14.
Boots, shoes, and slippers. Thomas G. Plant Corporation. 253,638, renewed Mar. 5, 1949. O. G. Dec. 14.
Coats, vests, pants, etc., Men's and boys'. Harry Marks Clothing Company, Inc. 249,483, renewed Nov. 13, 1948. O. G. Dec. 14.
Corsets, brassières, girdles, etc. Vogue Mfg. Company. 367,138, May 9, 1939. Republished Dec. 14.
Cravats. Wembley Cravat Company, Inc. 322,779, Mar. 19, 1935. Republished Dec. 14.
Creepers and infant boys' bobbie suits, Infants'. D. M. Rosenfeld. 414,615, June 19, 1945. Republished Dec. 14.
Dresses and pajamas, Ladies' and children's. Chic Manufacturing Co. 291,817, Feb. 23, 1932. Republished Dec. 14.
Dresses, Children's. J. Tobin. 357,757, June 14, 1938. Republished Dec. 14.
Garments, Men's, boys', and children's. E. V. Benjamin Company, Inc. 237,233, Jan. 3, 1928. Republished Dec. 14.
Hair nets. New York Merchandise Co., Inc. 249,643, renewed Nov. 20, 1948. O. G. Dec. 14.
Hats and cloth caps, Men's felt and straw. Dalton Hat Co., Inc 328,678, Oct. 1, 1935. Republished Dec. 14.
Hats, caps, overcoats, etc. Weber & Heilbroner, Inc. 349,530, Aug. 31, 1937. Republished Dec. 14.
Hats, caps, overcoats, etc., Men's and boys'. Weber and Heilbroner, Inc. 376,142, Mar. 12, 1940. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 231,066–7, Aug. 9, 1927. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 241,675, May 8, 1928. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 290,437, Jan. 5, 1932. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 290,484, Jan. 5, 1932. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 293,122, Apr. 12, 1932. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 322,282, Mar. 5, 1935. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 337,742, Aug. 18, 1936. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 344,860, Apr. 6, 1937. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 348,671, Aug. 3, 1937. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 383,710, Dec. 24, 1940. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 404,276, Nov. 16, 1943. Republished Dec. 14.
Hats, Men's. Dalton Hat Co., Inc. 407,153, May 23, 1944. Republished Dec. 14.
Hats, Men's. O'Rourke, Eubanks Hat Co. 158,047, Aug. 22, 1922. Republished Dec. 14.
Hosiery. Burlington Mills Corporation. 383,398, Dec. 3, 1940. Republished Dec. 14.
Hosiery. Burlington Mills Corporation. 384,235, Jan. 7, 1941. Republished Dec. 14.
Hosiery. Burlington Mills Corporation. 399,872, Feb. 2, 1943. Republished Dec. 14.
Hosiery. Campbell, Inc. 253,150, renewed Feb. 19, 1949. O. G. Dec. 14.
Hosiery. Massachusetts Knitting Mills. 300,584, Jan. 24, 1933. Republished Dec. 14.
Hosiery. Pennsylvania Silk Hosiery Mills, Inc. 248,733, renewed Oct. 30, 1948. O. G. Dec. 14.
Hosiery. Rambo & Regar. 39,307, Nov. 18, 1902. Republished Dec. 14.
Insoles or inner soles, Fixed or removable, of boots or shoes and for ladies' and children's shoes. Laird, Schober and Co. 263,005, Oct. 29, 1929. Republished Dec. 14.
Neckties. Wembley Cravat Co., Inc. 349,654, Aug. 31, 1937. Republished Dec. 14.
Neckties and scarfs, Men's. Wembley, Inc. 378,011, May 21, 1940. Republished Dec. 14.
Neckties and scarfs, Men's. Wembley, Inc. 378,015, May 21, 1940. Republished Dec. 14.
Neckties and scarfs, Men's. Wembley, Inc. 391,483, Nov. 11, 1941. Republished Dec. 14.
Neckwear, Men's and boys'. Wembley Cravat Co. Incorporated. 323,500, Apr. 16, 1935. Republished Dec. 14.
Overalls and coats for men, women, and children. Rubin Brothers. 235,342, Nov. 15, 1927. Republished Dec. 14.
Shirts, Men's outer. Martin Jacobi, Inc. 393,144, Jan. 27, 1942. Republished Dec. 14.
Shirts, Work. J. Rombro. 198,257, May 12, 1925. Republished Dec. 14.
Shoes, Men's. Freeman Shoe Corporation. 346,288, May 18, 1937. Republished Dec. 14.
Shoes, Women's, misses', and children's. Oppenheim, Collins & Co. Inc. 223,711, Feb. 8, 1927. Republished Dec. 14.
Slips for women, misses, and girls. Lowell Lingerie Company. 416,511, Sept. 18, 1945. Republished Dec. 14.
Slips, nightgowns, pajamas, etc., Ladies' silk or rayon. Patricia Petticoat Co. Inc. 308,636, Dec. 12, 1933. Republished Dec. 14.
Slips, Women's and misses'. Slipco. 356,794, May 10, 1938. Republished Dec. 14.
Sportswear, Women's. Parkland Sportswear Co., Inc. 411,708, Jan. 30, 1945. Republished Dec. 14.
Suits and overcoats, Men's and boys'. Henry Sonneborn Company, Inc. 216,001, Aug. 3, 1926. Republished Dec. 14.
Suits and overcoats, Men's and boys'. Henry Sonneborn Company, Inc. 218,372, Sept. 28, 1926. Republished Dec. 14.
Suits, Men's. Weber & Heilbroner. 186,528, July 22, 1924. Republished Dec. 14.
Suits, Men's. Weber & Heilbroner. 226,112, Mar. 29, 1927. Republished Dec. 14.
Suits, slacks, outer and under shirts, etc., Men's. Weber and Heilbroner, Inc. 374,185, Jan. 2, 1940. Republished Dec. 14.
Suits, slacks, outer and under shirts, etc., Men's. Weber and Heilbroner, Inc. 378,092, May 28, 1940. Republished Dec. 14.
Undergarments, Ladies'. Queen Maid Underwear Co., Inc. 396,906, Aug. 11, 1942. Republished Dec. 14.
Underwear for men and boys. Robert C. King & Company. 355,648, Mar. 22, 1938. Republished Dec. 14.
Underwear, pajamas, negligees, etc., Ladies' knitted and textile. Mitchel Schneider Co. Inc. 388,243, June 17, 1941. Republished Dec. 14.
Underwear, Textile fabric. Union Underwear Company, Incorporated. 228,706–7, June 7, 1927. Republished Dec. 14.
Wearing apparel, Feminine. Rainbow Shops, Inc. 406,142, Mar. 14, 1944. Republished Dec. 14.

Wearing apparel of wool, cotton, silk, etc. Weber and Heilbroner, Inc. 384,922, Feb. 11, 1941. Republished Dec. 14.

CLASS 40

Gimp. Russell Fraser Wire Company. 368,028, June 6, 1939. Republished Dec. 14.

CLASS 42

Apparel fabrics, Woolen and worsted. M. Sigel & Sons. 504,827, Dec. 14; Serial No. 540,464, published Sept. 7, 1948.
Blankets, Wool, and cotton rugs. S. J. Lisko. 504,721, Dec. 14; Serial No. 494,453, published Sept. 7, 1948.
Blankets, Woolen, window curtains and drapes of cotton or rayon, etc. Marshall Field & Company. 504,838, Dec. 14; Serial No. 541,825, published Sept. 7, 1948.
Carpets and rugs, and for upholstery and drapery fabrics, etc. Home Furnishings Style Council. 441,592, Dec. 14; Serial No. 517,133, published Sept. 7, 1948.
Cloth. Sherwin-Williams Company. 441,607, Dec. 14; Serial No. 524,740, published Sept. 7, 1948.
Covers, Pillow and mattress. Talon, Inc. 504,758, Dec. 14; Serial No. 527,901, published Sept. 7, 1948.
Curtains, Duck shower-bath. Chase Brass & Copper Co. Incorporated. 278,462, Dec. 16, 1930. Republished Dec. 14.
Curtains, Window, window draperies, crib sheets, etc. Boland Mfg. Co. 441,602, Dec. 14; Serial No. 521,239, published Sept. 7, 1948.
Fabric in the piece. F. Ducharne Silk Co., Inc. 441,582, Dec. 14; Serial No. 509,078, published Sept. 7, 1948.
Fabrics, Impregnated. Jaton Manufacturing Corporation. 252,083, renewed Jan. 22, 1949. O. G. Dec. 14.
Fabrics in the piece. Stoffel & Co., Inc. 504,848, Dec. 14; Serial No. 546,733, published Sept. 7, 1948.
Fabrics in the piece, Linen. Weil & Durrse. 221,342, Nov. 30, 1926. Republished Dec. 14.
Fabrics in the piece made of rayon. Pondel Fabrics, Inc. 504,846, Dec. 14; Serial No. 546,604, published Sept. 7, 1948.
Fabrics in the piece, Pile. Sidney Blumenthal & Co., Inc. 504,766, Dec. 14; Serial No. 530,282, published Sept. 7, 1948.
Fabrics in the piece, Pile. Sidney Blumenthal & Co., Inc. 504,767, Dec. 14; Serial No. 530,288, published Sept. 7, 1948.
Fabrics in the piece, Pile. Sidney Blumenthal & Co., Inc. 504,768, Dec. 14; Serial No. 530,293, published Sept. 7, 1948.
Fabrics in the piece, Rayon. Granville Fabrics Co. 441,617, Dec. 14; Serial No. 505,818.
Fabrics, Knitted. Barbet Mills, Incorporated. 504,797, Dec. 14; Serial No. 535,457, published Sept. 7, 1948.
Fabrics, Non-woven rayon, window curtains, tablecloths, etc. Ken-Gord Mfg. Corp. 441,580, Dec. 14; Serial No. 508,848, published Sept. 7, 1948.
Fabrics of cotton, linen, silk, wool, etc. Burlington Mills Corporation. 504,889, Dec. 14; Serial No. 547,824.
Fabrics, Plastic-coated cotton. Asher & Boretz, Inc. 441,601, Dec. 14; Serial No. 521,235, published Sept. 7, 1948.
Fabrics, Waterproofed. Schwarzwaelder Company. 175,825, Nov. 13, 1923. Republished Dec. 14.
Film, Plastic, in the piece. Elm Coated Fabrics Co. 504,825, Dec. 14; Serial No. 539,947, published Sept. 7, 1948.
Laces, netted and lace fabrics in the piece. David E. Schwab & Company, Inc. 185,804, June 24, 1924. Republished Dec. 14.
Mattress covers, window curtains, draperies, etc. Denison Mattress Factory. 504,852, Dec. 14; Serial No. 548,809, published Sept. 7, 1948.
Muslin in the piece. Dumari Textile Co., Inc. 504,750, Dec. 14; Serial No. 525,801, published Sept. 7, 1948.
Piece goods. Burlington Mills Corporation. 383,495, Dec. 10, 1940. Republished Dec. 14.
Piece goods. Burlington Mills Corporation. 384,156, Jan. 7, 1941. Republished Dec. 14.
Piece goods. Burlington Mills Corporation. 384,236, Jan. 7, 1941. Republished Dec. 14.
Piece goods. Burlington Mills Corporation. 400,620, Mar. 23, 1943. Republished Dec. 14.
Piece goods. Calico Printers' Association Limited. 504,853, Dec. 14; Serial No. 549,507, published Sept. 7, 1948.
Piece goods. Henry A. Dix & Sons Corporation. 226,821, Apr. 19, 1927. Republished Dec. 14.
Piece goods. Raylaine Worsteds, Inc. 377,630, May 7, 1940. Republished Dec. 14.
Piece goods. R. Wolfenden & Sons. 404,746, Dec. 21, 1943. Republished Dec. 14.
Piece goods, Coated cotton. Brookfield Mills, Inc. 504,818, Dec. 14; Serial No. 538,716, published Sept. 7, 1948.
Piece goods, comforts, bedspreads, etc. Wm. O'Hanlon & Co. Limited. 504,820, Dec. 14; Serial No. 539,202, published Sept. 7, 1948.
Piece goods, Cotton. Cone Export and Commission Co., Inc. 504,847, Dec. 14; Serial No. 546,649, published Sept. 7, 1948.
Piece goods, Cotton. W. Lind. 291,660, Feb. 23, 1932. Republished Dec. 14.
Piece goods, Cotton. W. Lind. 310,536, Feb. 27, 1934. Republished Dec. 14.
Piece goods, Cotton. W. Lind. 310,549, Feb. 27, 1934. Republished Dec. 14.
Piece goods, Cotton. W. Lind. 332,545–6, Feb. 18, 1936. Republished Dec. 14.
Piece goods, Cotton. Sayles Finishing Plants, Inc. 504,815, Dec. 14; Serial No. 538,663, published Sept. 7, 1948.
Piece goods, Cotton, sheets, and pillow cases. Wamsutta Mills. 504,830–1, Dec. 14; Serial No. 540,742–3, published Sept. 7, 1948.
Piece goods, Flannel and woolen. D. W. Farnsworth. 94,725, Dec. 30, 1913. Republished Dec. 14.
Piece goods, Linen, cotton, silk, etc. Everfast Fabrics, Inc. 504,844, Dec. 14; Serial No. 546,206, published Sept. 7, 1948.
Piece goods, Nainsook and cotton. W. Lind. 310,417, Feb. 27, 1934. Republished Dec. 14.
Piece goods of rayon. Joseph Berlinger Co. 504,809, Dec. 14; Serial No. 537,966, published Sept. 7, 1948.
Piece goods, Rayon. M. Weiner. 504,822, Dec. 14; Serial No. 539,461, published Sept. 7, 1948.
Piece goods, Woolen. Alexander Woolen Co. 504,845, Dec. 14; Serial No. 546,338, published Sept. 7, 1948.
Piece goods, Woolen. Forstmann Woolen Co. 504,812, Dec. 14; Serial No. 538,517, published Sept. 7, 1948.
Piece goods, Woolen. Forstmann Woolen Co. 504,813, Dec. 14; Serial No. 538,520, published Sept. 7, 1948.
Piece goods, Woolen. Forstmann Woolen Co. 504,814, Dec. 14; Serial No. 538,522, published Sept. 7, 1948.
Sheets and pillow cases. The Fair. 384,373, Jan. 14, 1941. Republished Dec. 14.
Sheets and pillow cases. Pacific Mills. 504,850, Dec. 14; Serial No. 547,871, published Sept. 7, 1948.
Sheets and pillow cases. Wamsutta Mills. 504,832, Dec. 14; Serial No. 540,744, published Sept. 7, 1948.
Sheets and pillow cases, blankets, etc. Pepperell Manufacturing Company. 441,591, Dec. 14; Serial No. 516,570, published Sept. 7, 1948.
Textile fabric, Woven. Jantzen Knitting Mills. 441,589, Dec. 14; Serial No. 515,117, published Sept. 7, 1948.
Textile fabrics in the piece. Benrose Fabrics Corporation. 504,802, Dec. 14; Serial No. 536,484, published Sept. 7, 1948.
Textile fabrics in the piece. Benrose Fabrics Corporation. 504,803, Dec. 14; Serial No. 536,487, published Sept. 7, 1948.
Textile fabrics in the piece. Shirley Fabrics Corp. 504,849, Dec. 14; Serial No. 547,670, published Sept. 7, 1948.
Textile fabrics in the piece, Plastic coated. Barret Textile Corporation. 441,594, Dec. 14; Serial No. 517,399, published Sept. 7, 1948.
Textile piece goods, Cotton. Sol Shore and Company. 441,579, Dec. 14; Serial No. 507,658, published Sept. 7, 1948.
Textile rugs and carpets. Hugh Nelson-Columbia Carpet Mills, Inc. 504,792, Dec. 14; Serial No. 534,801, published Sept. 7, 1948.
Upholstery, drapery, and decorative fabrics, in the piece. Louisville Textiles, Incorporated. 504,800, Dec. 14; Serial No. 536,108, published Sept. 7, 1948.
Waterproof material. Atlantic Mercantile Company. 504,851, Dec. 14; Serial No. 547,887, published Sept. 7, 1948.

CLASS 43

Yarn. R. Wolfenden & Sons. 404,590, Dec. 7, 1943. Republished Dec. 14.

CLASS 44

Catamenial bandages. Veldown Company, Inc. 254,162, renewed Mar. 12, 1949. O. G. Dec. 14.
Catamenial napkins. Veldown Company, Inc. 254,390, renewed Mar. 26, 1949. O. G. Dec. 14.
Chuck, Dental. E. J. Handler. 504,882, Dec. 14; Serial No. 533,885.
Extracting elevators, dental surgical curettes, operating knives, etc. H. Friedman. 162,754, Dec. 26, 1922. Republished Dec. 14.
Nursing nipples. H. J. Searer. 504,875, Dec. 14; Serial No. 530,439.
Rupture appliances. Brooks Rupture Appliance Co. 89,337, Dec. 10, 1912. Republished Dec. 14.
Toothpicks. Hardwood Products Company. 332,743, Feb. 25, 1936. Republished Dec. 14.

CLASS 45

Beverages and syrups for the manufacture of such beverages. Coca Cola Company. 238,145–6, Jan. 31, 1928. Republished Dec. 14.
Beverages, Non-alcoholic maltless, and extracts and syrups for making the same. Delaware Punch Company of Texas. 122,196, July 9, 1918. Republished Dec. 14.
Beverages, Nonalcoholic, maltless, and extracts or syrups for producing the same. R. Baldwin. 239,494, Mar. 9, 1928. Republished Dec. 14.
Beverages, Nonalcoholic maltless, sold as soft drinks and syrups and extracts for making the same. C. J. Howel. 332,208, Feb. 4, 1936. Republished Dec. 14.
Extracts, sirups, and concentrates. H. C. Schranck Company. 227,639, May 10, 1927. Republished Dec. 14.
Root beer, ginger ale, orange soda, and lemon soda. Fisher, Brothers Company. 237,725, Jan. 17, 1928. Republished Dec. 14.

Syrup and extracts for preparing nonalcoholic, maltless beverages. I. H. Schroeder. 412,311, Feb. 27, 1945. Republished Dec. 14.

CLASS 46

Anchovies, antipasto, apple sauce, etc. Meyer & Lange, Inc. 215,580, July 20, 1926. Republished Dec. 14.
Apple butter, peach butter, jelly, etc. J. M. Smucker Co. 221,430, Nov. 30, 1926. Republished Dec. 14.
Apples and pears, Fresh. Oneonta Trading Corporation. 504,794, Dec. 14; Serial No. 534,918, published Aug. 24, 1948.
Apples, Fresh. Geo. D. Brown & Son, Inc. 441,612, Dec. 14; Serial No. 526,197, published Aug. 24, 1948.
Baking soda (bicarbonate of soda) and baking powder. Church & Dwight Co., Inc. 504,752, Dec. 14; Serial No. 526,800, published Aug. 24, 1948.
Beef and sheep casings used for sausage containers. International Commercial Co., Inc. 504,790, Dec. 14; Serial No. 534,534, published Sept. 7, 1948.
Bread. L. Cannon. 248,514, renewed Oct. 23, 1948. O. G. Dec. 14.
Bread. Hall Baking Co. 254,454, renewed Mar. 26, 1949. O. G. Dec. 14.
Bread. Johnson Biscuit Company. 504,771, Dec. 14; Serial No. 530,515, published Sept. 7, 1948.
Butter and cheese. Andrew Rohan Co. 97,935, June 30, 1914. Republished Dec. 14.
Candy. Adams Candy Company. 504,817, Dec. 14; Serial No. 538,699, published Aug. 24, 1948.
Candy. F. Dalo, Sr. 416,695, Sept. 25, 1945. Republished Dec. 14.
Candy. J. O. Gilbert. 251,774, Jan. 15, 1929. Republished Dec. 14.
Candy. F. C. Mars. 196,182, Mar. 10, 1925. Republished Dec. 14.
Candy. Mason Candy Company. 504,789, Dec. 14; Serial No. 534,300, published Aug. 24, 1948.
Candy. Norris Inc. 441,600, Dec. 14; Serial No. 519,486, published Aug. 24, 1948.
Candy. Phoebe Phelps Caramel Company. 441,571, Dec. 14; Serial No. 473,746, published Nov. 12, 1946.
Candy. Richards-Scheble Candy Company. 504,737, Dec. 14; Serial No. 516,035, published Aug. 24, 1948.
Candy. Frank G. Shattuck Company. 171,335, Aug. 7, 1923. Republished Dec. 14.
Candy. Frank G. Shattuck Company. 196,039, Mar. 10, 1925. Republished Dec. 14.
Candy, cakes, and maple syrup. Wiggins Old Tavern, Inc. 441,615, Dec. 14; Serial No. 496,675.
Canned abalone. H. Orfanos. 504,791, Dec. 14; Serial No. 534,546, published Aug. 31, 1948.
Canned anchovy, herring tidbits, caviar, and fish balls. Aktiebolaget Sveriges Forenade Konservfabriker. 314,202, June 19, 1934. Republished Dec. 14.
Canned apple sauce and canned peas. Lyndonville Canning Company, Inc. 504,741, Dec. 14; Serial No. 518,086, published Sept. 14, 1948.
Canned citrus fruit meats in juice syrup. Bruce's Juices, Inc. 504,723, Dec. 14; Serial No. 500,275, published Sept. 14, 1948.
Canned corn. Cobcut Company. 504,811, Dec. 14; Serial No. 538,245, published Aug. 24, 1948.
Canned corn. Illinois Canning Co. 23,464, Aug. 8, 1893. Amended. O. G. Dec. 14.
Canned corn. Illinois Canning Co. 23,481, Aug. 15, 1893. Amended. O. G. Dec. 14.
Canned corn. F. O. Mitchell & Bro. Inc. 504,801, Dec. 14; Serial No. 536,119, published Aug. 31, 1948.
Canned dog food. Coastal Canning Corporation. 424,520–7, Oct. 8, 1946. Republished Dec. 14.
Canned dog food. Coastal Canning Corporation. 430,152, June 10, 1947. Republished Dec. 14.
Canned fish. Otis, McAllister & Co. 441,604, Dec. 14; Serial No. 523,088, published Aug. 24, 1948.
Canned fish and canned berries. Bryant & Company. 146,959, Sept. 27, 1921. Republished Dec. 14.
Canned food products. Neuman and Schwiers Company. 441,573, Dec. 14; Serial No. 489,235, published Sept. 7, 1948.
Canned fruit salad, fruit preserves, canned fruits, etc. Rice and Fishman. 254,625, renewed Mar. 26, 1949. O. G. Dec. 14.
Canned fruits. Manteca Canning Company. 132,737, June 29, 1920. Republished Dec. 14.
Canned fruits. Olympia Canning Company. 184,085, May 20, 1924. Republished Dec. 14.
Canned fruits. Sunset Fruit Co. 365,882, Mar. 21, 1939. Republished Dec. 14.
Canned fruits and canned vegetables. Fruitvale Canning Company. 375,942, Mar. 5, 1940. Republished Dec. 14.
Canned fruits and vegetables. Filice & Perrelli Canning Company, Inc. 170,401, July 17, 1923. Republished Dec. 14.
Canned fruits, berries and vegetables. Western Oregon Packing Corporation. 219,067, Oct. 12, 1926. Republished Dec. 14.
Canned goods. Haas-Lieber Grocery Company. 181,555, Mar. 25, 1924. Republished Dec. 14.
Canned goods. Haas-Lieber Grocery Company. 197,918, Apr. 28, 1925. Republished Dec. 14.
Canned grapefruit juice and canned vegetables. W. L. Akin. 429,139, Apr. 22, 1947. Republished Dec. 14.
Canned olives. C. M. Gifford & Sons. 504,783, Dec. 14; Serial No. 532,220, published Sept. 7, 1948.
Canned oysters and canned vegetables. Shelmore Oyster Products Company. 213,955, June 8, 1926. Republished Dec. 14.
Canned peaches, raisins, evaporated raspberries, etc. Paxton & Gallagher Co. 222,347, Dec. 28, 1926. Republished Dec. 14.
Canned pineapple. Hawaiian Pineapple Co., Ltd. 99,212–13, Aug. 25, 1914. Republished Dec. 14.
Canned pineapples. Hawaiian Pineapple Company, Limited. 130,510, Apr. 27, 1920. Republished Dec. 14.
Canned pineapples. Hawaiian Pineapple Co., Ltd. 103,430, Apr. 6, 1915. Republished Dec. 14.
Canned pinespples. Hawaiian Pineapple Co. Ltd. 125,646, June 3, 1919. Republished Dec. 14.
Canned ripe olives. Wm. H. Floyd. 432,253, Aug. 26, 1947. Republished Dec. 14.
Canned salmon. Point Adams Packing Co. 166,248, Mar. 27, 1923. Republished Dec. 14.
Canned salmon. San Juan Fisbing & Packing Co. 441,590, Dec. 14; Serial No. 516,149, published Dec. 16, 1947.
Canned sardines. Seacoast Canning Co. 136,930, Nov. 9, 1920. Republished Dec. 14.
Canned tomatoes, canned pimentos, canned sweet potatoes, etc. Manteca Canning Company. 120,886, Mar. 12, 1918. Republished Dec. 14.
Canned tomatoes, tomato paste and tomato puree. P. M. C. Company, Inc. 441,611, Dec. 14; Serial No. 525,098, published Aug. 24, 1948.
Canned tomatoes with purée, canned tomato purée, canned pears, etc. Menteca Canning Company. 120,887, Mar. 12, 1918. Republished Dec. 14.
Canned vegetables. Norfolk Packing Co. 354,394, renewed Mar. 26, 1949. O. G. Dec. 14.
Canned vegetables. Northwest Packing Co. 441,581, Dec. 14; Serial No. 509,026, published Aug. 31, 1948.
Canned vegetables. Paxton & Gallagher Co. 160,621, Oct. 24, 1922. Republished Dec. 14.
Canned vegetables, canned fruits, canned fruit juices, etc. Armstrong Grocery Company. 441,599, Dec. 14; Serial No. 519,163, published Dec. 9, 1947.
Canned vegetables, canned pork and beans, canned sauerkraut, etc. Norfolk Packing Co. 252,467, renewed Feb. 5, 1949. O. G. Dec. 14.
Cantaloupes and fresh vegetables, Fresh. M. C. Wahl. 229,855, July 5, 1927. Republished Dec. 14.
Cantaloupes and lettuce, Fresh. M. C. Wahl. 197,362, Apr. 14, 1925. Republished Dec. 14.
Cereal foods, Specially prepared. Mead Johnson & Company. 504,835, Dec. 14; Serial No. 541,757, published Sept. 7, 1948.
Cheese spread. Avalon Dairies, Inc. 504,747, Dec. 14; Serial No. 522,848, published Aug. 31, 1948.
Chewing gum. Thomas-Wiener Company. 504,862, Dec. 14; Serial No. 512,545.
Chicks, Baby. DeForest Hatchery & Poultry Farm, Inc. 504,772, Dec. 14; Serial No. 530,629, published Aug. 24, 1948.
Codfish and salt mackerel. Gorton-Pew Fisheries Company. 82,225, June 13, 1911. Republished Dec. 14.
Codfish, Salt. Gorton-Pew Fisheries Company. 174,601, Oct. 23, 1923. Republished Dec. 14.
Confections, Frozen, and liquid syrups or concentrates for making the same. Lowe, Joe, Corporation. 504,796, Dec. 14; Serial No. 535,331, published Sept. 7, 1948.
Crackers. Perfection Biscuit Company. 254,713, renewed Mar. 26, 1949. O. G. Dec. 14.
Currants. W. H. Marvin Company. 81,535–6, Apr. 18, 1911. Republished Dec. 14.
Currants. W. H. Marvin Company. 82,538, Apr. 18, 1911. Republished Dec. 14.
Eggs, Fresh. Great Atlantic & Pacific Tea Company. 504,756, Dec. 14; Serial No. 527,483, published Aug. 31, 1948.
Feeds, Horse and mule, poultry feeds, dairy feeds and stock feeds. Puritan Mills. 294,648, June 7, 1932. Republished Dec. 14.
Feeds, Mixed, for poultry. Puritan Mills. 294,652, June 7, 1932. Republished Dec. 14.
Feeds, Mixed, or poultry, cows, horses and mules. Puritan Mills. 297,952, Oct. 4, 1932. Republished Dec. 14.
Feeds, Poultry and stock. Flour Mills of America, Inc. 504,729, Dec. 14; Serial No. 509,084, published Sept. 14, 1948.
Feed, Stock. Ubiko Milling Company. 176,640, Nov. 27, 1923. Republished Dec. 14.
Feeds, Stock and dairy. Puritan Mills. 285,547, July 28, 1931. Republished Dec. 14.
Fish, Dried boneless. Gorton-Pew Fisheries Co. 123,346, Oct. 29, 1918. Republished Dec. 14.
Fish, Fresh, smoked, and pickled. L. A. Leistikow & Sons. Inc. 441,585, Dec. 14; Serial No. 511,626, published Aug. 24, 1948.
Flavoring extracts. Price Flavoring Extract Company. 77,567, Apr. 19, 1910. Republished Dec. 14.
Flavoring extracts, Food. Rex Extract Company, Inc. 504,787, Dec. 14; Serial No. 534,056, published Aug. 24, 1948.
Flour. Oklahoma City Mill & Elevator Co. 40,738, July 7, 1903. Republished Dec. 14.
Flour, Peanut. Traders Oil Mill Company. 441,597, Dec. 14; Serial No. 518,795, published Sept. 14, 1948.

Flour, Wheat. Blackwell Milling & Elevator Company. 80,756, Jan. 31, 1911. Republished Dec. 14.
Flour, Wheat. Collin County Mill & Elevator Co. 241,804–5, May 8, 1928. Republished Dec. 14.
Flour, Wheat. Fisher Flouring Mills Company. 97,229, May 26, 1914. Republished Dec. 14.
Flour, Wheat. Fuhrer-Ford Milling Co. 106,957, Nov. 9, 1915. Republished Dec. 14.
Flour, Wheat. Halstead Milling & Elevator Co. 124,097, Jan. 14, 1919. Republished Dec. 14.
Flour, Wheat. C. Hoffman & Son Milling Company. 70,518, re-renewed Sept. 8, 1948. O. G. Dec. 14.
Flour, Wheat. Lynchburg Milling Company. 353,512, Jan. 11, 1938. Republished Dec. 14.
Flour, Wheat. Midland Flour Milling Co. 359,416, Aug. 16, 1938. Republished Dec. 14.
Flour, Wheat. Midland Flour Milling Co. 368,974, July 11, 1939. Republished Dec. 14.
Flour, Wheat. Midland Milling Company. 119,100, Oct. 23, 1917. Republished Dec. 14.
Flour, Wheat. Midland Milling Company. 119,461, Nov. 20, 1917. Republished Dec. 14.
Flour, Wheat. Midland Milling Company. 120,278, Jan. 29, 1918. Republished Dec. 14.
Flour, Wheat. Ottawa Milling Company. 126,331, Aug. 19, 1919. Republished Dec. 14.
Flour, Wheat. Walnut Creek Milling Co., Inc. 253,297, renewed Feb. 26, 1949. O. G. Dec. 14.
Flour, Wheat, and mill feeds. Standard Milling Company. 330,585, Dec. 10, 1935. Republished Dec. 14.
Food, Dog. Dietrich & Gambrill, Inc. 378,311, June 4, 1940. Republished Dec. 14.
Food flavoring, extracts, and jelly powder. Price Flavoring Extract Company. 105,274, July 13, 1915. Republished Dec. 14.
Food product, Concentrated. Jersee Company. 504,824, Dec. 14; Serial No. 539,593, published Sept. 7, 1948.
Food product, Specially prepared. Mead Johnson & Company. 504,836, Dec. 14; Serial No. 541,759, published Aug. 24, 1948.
Food products. International Products Corporation. 318,554, Oct. 30, 1934. Republished Dec. 14.
Food savoring powders. International Minerals and Chemical Corporation. 504,757, Dec. 14; Serial No. 527,497, published Aug. 24, 1948.
Foods. John C. Thornton Co. 441,596, Dec. 14; Serial No. 518,737, published Sept. 14, 1948.
Fruit, Evaporated. Valley Evaporating Co. 350,929, Oct. 12, 1937. Republished Dec. 14.
Fruits and vegetables, Dehydrated. Valley Evaporating Company. 407,411, June 6, 1944. Republished Dec. 14.
Fruits, Dried, raisins, and dried black grapes. G. Santikian. 344,392, Mar. 23, 1937. Republished Dec. 14.
Fruits, Fresh citrous. W. L. Benchley. 185,327, June 10, 1924. Republished Dec. 14.
Fruits, Fresh citrous. South Lake Apopka Citrus Growers Ass'n. 194,624, Feb. 3, 1925. Republished Dec. 14.
Fruits, Fresh citrus. La Habra Citrus Association. 412,355, Mar. 6, 1945. Republished Dec. 14.
Fruits, Fresh citrus. La Verne Orange Association. 301,063, Feb. 14, 1933. Republished Dec. 14.
Fruits, Fresh citrus. La Verne Orange Association. 322,812, Mar. 19, 1935. Republished Dec. 14.
Fruits, Fresh citrus. J. F. Morgan. 504,878, Dec. 14; Serial No. 532,323.
Fruits, Fresh citrus. Sunny Hills Ranch, Inc. 338,078, Aug. 25, 1936. Republished Dec. 14.
Fruits, Fresh citrus, fresh deciduous fruits, and fresh vegetables. B. E. Keith. 504,751, Dec. 14; Serial No. 526,245, published Sept. 14, 1948.
Fruits, Fresh deciduous. Bear Creek Orchards. 144,343, July 5, 1921. Republished Dec. 14.
Fruits, Fresh deciduous. Cascadian Fruit Shippers, Inc. 504,864, Dec. 14; Serial No. 514,006.
Fruits, Fresh deciduous. Wenatchee-Beebe Orchard Co. 504,769, Dec. 14; Serial No. 530,353, published Aug. 24, 1948.
Fruits, fresh vegetables, fresh sea-food, Fresh. Western Air Lines, Inc. 441,614, Dec. 14; Serial No. 494,879.
Honey. D. T. Sinn. 504,728, Dec. 14; Serial No. 508,445, published Sept. 14, 1948.
Ice cream confection. I. C. Parker. 504,742, Dec. 14; Serial No. 518,317, published Sept. 14, 1948.
Ice cream confection. I. C. Parker. 504,743, Dec. 14; Serial No. 519,412, published Sept. 14, 1948.
Ice cream stabilizer. National Pectin Products Company. 504,805, Dec. 14; Serial No. 537,476, published Aug. 24, 1948.
Ice cream toppings, cake mixtures, jelly powders, etc. Shirriff's Limited. 504,744, Dec. 14; Serial No. 519,493, published Aug. 31, 1948.
Jell-producing base, Powdered. Central Ohio Supply Co. 441,595, Dec. 14; Serial No. 517,963, published Aug. 31, 1948.
Jellies, jams, fruit butters, etc. Blanke-Baer Extract & Preserving Company. 504,754, Dec. 14; Serial No. 527,320, published Sept. 14, 1948.
Juice, Grapefruit, and orange juice. Fruit Products Company of Florida. 251,744, Jan. 15, 1929. Republished Dec. 14.
Lemons, Fresh. La Habra Citrus Association. 128,246, Dec. 30, 1919. Republished Dec. 14.
Macaroni. Keystone Macaroni Company. 128,415, Jan. 6, 1920. Republished Dec. 14.
Marmalade, jellies, jams, etc. Bedford Products, Inc. 441,603, Dec. 14; Serial No. 522,148, published Aug. 31, 1948.
Mayonnaise dressing, russian dressing, and a relish. C. F. Sauer Company. 504,774, Dec. 14; Serial No. 530,852, published Aug. 24, 1948.
Meal, Dusting. Chas. A. Krause Milling Co. 504,786, Dec. 14; Serial No. 534,025, published Aug. 24, 1948.
Milk, Malted, and ice cream. Walgreen Co. 504,777, Dec. 14; Serial No. 531,067, published Sept. 7, 1948.
Milk, Powdered whole. River Falls Co-Operative Creamery Co. 441,586, Dec. 14; Serial No. 511,961, published Aug. 31, 1948.
Mince meat. W. H. Marvin Company. 81,537, Apr. 18, 1911. Republished Dec. 14.
Mince meat. W. H. Marvin Company. 81,892, May 16, 1911. Republished Dec. 14.
Mince-meat. W. H. Marvin Company. 85,667, Mar. 5, 1912. Republished Dec. 14.
Mince-meat. W. H. Marvin Company. 91,103, Apr. 15, 1913. Republished Dec. 14.
Mixture for use with milk as a malted food drink. Great Atlantic & Pacific Tea Company. 504,755, Dec. 14; Serial No. 527,441, published Aug. 31, 1948.
Mustard. C. Sachnenko. 504,799, Dec. 14; Serial No. 535,750, published Sept. 7, 1948.
Noodles. Dan-Dee Pretzel and Potato Chip Company. 504,763, Dec. 14; Serial No. 529,608, published Aug. 24, 1948.
Nut meats, Salted and plain. Kelling Nut Co. 504,773, Dec. 14; Serial No. 530,646, published Sept. 14, 1948.
Oleomargarin. Ohio Butterine Company. 92,821, July 29, 1913. Republished Dec. 14.
Oleomargarin. Ohio Butterine Company. 94,023, Oct. 28, 1913. Republished Dec. 14.
Oleomargarin. Ohio Butterine Company. 107,366, Nov. 23, 1915. Republished Dec. 14.
Oleomargarin. Ohio Butterine Company. 107,934, Jan. 4, 1916. Republished Dec. 14.
Oleomargarin. Ohio Butterine Company. 109,122, Mar. 21, 1916. Republished Dec. 14.
Oleomargarin. Ohio Butterine Company. 122,809, Sept. 17, 1918. Republished Dec. 14.
Oil, Olive. Romani Simonini Toschi & Co. 223,855, renewed Feb. 15, 1947. O. G. Dec. 14.
Oranges, Fresh. Eadington Fruit Company. 340,824, Nov. 24, 1936. Republished Dec. 14.
Oranges, Fresh. Eadington Fruit Company. 361,746, Nov. 1, 1938. Republished Dec. 14.
Oranges, lemons, grapefruit, etc. South Lake Apopka Citrus Growers Ass'n. 86,342, Apr. 30, 1912. Republished Dec. 14.
Packages containing date cake, date candy, stuffed dates and fresh dates. R. C. Nicoll. 403,966, Oct. 26, 1943. Republished Dec. 14.
Pickles. Squire Dingee Company. 205,659, Nov. 10, 1925. Republished Dec. 14.
Pickles. Squire Dingee Company. 211,407, Apr. 13, 1926. Republished Dec. 14.
Pork and beans and canned concentrated strained tomatoes. Edward V. Stockham, Inc. 179,471, Feb. 12, 1924. Republished Dec. 14.
Potatoes and salt fish combined. Gorton-Pew Fisheries Company. 174,518, Oct. 16, 1923. Republished Dec. 14.
Potatoes, Fresh. Queen Creek Potato Growers Association. 504,738, Dec. 14; Serial No. 516,430, published Sept. 14, 1948.
Potatoes, Washed and graded. H. W. Bangert. 504,725, Dec. 14; Serial No. 505,094, published Sept. 7, 1948.
Raisins. G. Santikian. 350,174, Sept. 21, 1937. Republished Dec. 14.
Salt. Smoked Products Company. 206,585, renewed Dec. 8, 1945. O. G. Dec. 14.
Salt. Smoked Salt Company. 226,582, Apr. 12, 1927. Republished Dec. 14.
Salt. Texaco Salt Products Company. 291,445, Feb. 9, 1932. Republished Dec. 14.
Salt. Worcester Salt Company. 287,601, Sept. 29, 1931. Republished Dec. 14.
Sauce, Hollandaise, bearnaise sauce, and canned babas in rum (French rum cakes). M. Bertauche. 504,770, Dec. 14; Serial No. 530,457, published Sept. 7, 1948.
Seasonings. Griffith Laboratories, Inc. 504,730–1, Dec. 14; Serial Nos. 510,169–70, published Sept. 14, 1948.
Shrimp, Frozen fresh. Texas Gulfstream Industries, Inc. 504,821, Dec. 14; Serial No. 539,367, published Sept. 7, 1948.
Sorghum, Pure country. Torbitt & Castleman Company. 504,807–8, Dec. 14; Serial Nos. 537,840–1, published Aug. 24, 1948.
Soup, Meat, chicken soup, clear and thickened oxtail soup, etc. L. Scheim. 441,598, Dec. 14; Serial No. 518,914, published Aug. 24, 1948.
Soup noodles. St. Louis Macaroni Mfg. Co., Inc. 441,574, Dec. 14; Serial No. 490,341, published Sept. 7, 1948.
Spices. K K K Medicine Company. 504,760, Dec. 14; Serial No. 529,469, published Aug. 31, 1948.
Tea, coffee, vanilla extract, etc. David G. Evans Coffee Co. 441,593, Dec. 14; Serial No. 517,295, published Sept. 14, 1948.
Tomatoes, Fresh. B. Shiba. 504,765, Dec. 14; Serial No. 529,714, published Sept. 14, 1948.

Vegetable seed meals. Sherwin-Williams Company. 441,608, Dec. 14; Serial No. 524,741, published Sept. 7, 1948.
Vegetable shortening, Hydrogenated. Capital City Products Company. 419,610, Feb. 26, 1946. Republished Dec. 14.
Vegetables and melons, Fresh. P. A. Ruth. 432,274, Aug. 26, 1947. Republished Dec. 14.
Vegetables, Fresh. J. R. Barnett, Inc. 358,310, July 5, 1938. Republished Dec. 14.
Vegetables, Fresh. J. Maggio. 420,914, May 7, 1946. Republished Dec. 14.
Vegetables, Fresh. A. Massera. 398,230, Oct. 20, 1942. Republished Dec. 14.
Vegetables, Fresh. F. N. Smith. 504,724, Dec. 14; Serial No. 501,143, published Sept. 14, 1948.

CLASS 47

Wine, Port and sherry. Geo. G. Sandeman Sons & Co. Limited. 90,925, Apr. 1, 1913. Republished Dec. 14.
Wine, Sherry. Geo. G. Sandeman Sons & Co. Limited. 302,144, Mar. 28, 1933. Republished Dec. 14.
Wine, Sherry. Geo. G. Sandeman Sons & Co. Limited. 305,613, Aug. 22, 1933. Republished Dec. 14.
Wines. Petri Cigar Co. 362,126, Nov. 15, 1938. Republished Dec. 14.
Wines. Geo. G. Sandeman Sons & Co. Limited. 300,872, Feb. 14, 1933. Republished Dec. 14.
Wines. Geo. G. Sandeman Sons & Co. Limited. 302,263, Apr. 4, 1933. Republished Dec. 14.
Wines. Geo. G. Sandeman Sons & Co. Limited. 319,358, Nov. 20, 1934. Republished Dec. 14.
Wines. Geo. G. Sandeman Sons & Co. Limited. 331,686, Jan. 14, 1936. Republished Dec. 14.
Wines. Geo. G. Sandeman Sons & Co. Limited. 333,134, Mar. 10, 1936. Republished Dec. 14.
Wines. Sandeman Hermanos y Compania. 302,726, Apr. 25, 1933. Republished Dec. 14.

CLASS 48

Beer. A. Gettleman Brewing Company. 360,357, Sept. 13, 1938. Republished Dec. 14.
Beer. Jos. Schlitz Brewing Company. 316,491, Aug. 28, 1934. Republished Dec. 14.
Beer. Jos. Schlitz Brewing Company. 335,652, June 9, 1936. Republished Dec. 14.
Beer. Jos. Schlitz Brewing Company. 393,690, Feb. 24, 1942. Republished Dec. 14.
Beverages, Brewed malt. A. Gettelman Brewing Company. 310,398, Feb. 27, 1934. Republished Dec. 14.

CLASS 49

Gin and whisky. Geo. G. Sandeman Sons & Co. Limited. 332,807, Feb. 25, 1936. Republished Dec. 14.
Gin and whisky. Supreme Distributors, Incorporated. 331,388, Jan. 7, 1936. Republished Dec. 14.
Gin, whisky and rum. Geo. G. Sandeman Sons & Co. Limited. 331,168, Dec. 31, 1935. Republished Dec. 14.
Liqueur called Benedictine. Société Anonyme de la Distillerie de la Liqueur Benedictine de l'Abbaye de Fecamp. 71,552–4, re-renewed Dec. 1, 1948. O. G. Dec. 14.
Whiskey. Continental Distilling Corporation. 316,671, Sept. 4, 1934. Republished Dec. 14.
Whiskey. Supreme Distributors, Incorporated. 336,670, July 14, 1938. Republished Dec. 14.
Whisky. James Buchanan & Company Limited. 331,807, Jan. 21, 1936. Republished Dec. 14.
Whisky. James Buchanan & Company Limited. 411,853, Feb. 6, 1945. Republished Dec. 14.
Whisky. Geo. G. Sandeman Sons & Co. Limited. 319,713, Dec. 4, 1934. Republished Dec. 14.
Whisky. Sandeman & Sons Limited. 304,290, June 27, 1933. Republished Dec. 14.
Whisky, gin, rum, and brandy. Geo. G. Sandeman Sons & Co. Limited. 303,111, May 9, 1933. Republished Dec. 14.
Whisky, Scotch. William Grant & Sons Limited. 177,462, Dec. 18, 1923. Republished Dec. 14.
Whisky, Scotch. William Grant & Sons Limited. 177,467, Dec. 18, 1923. Republished Dec. 14.
Whisky, Scotch. Mackie & Coy, Distillers, Ltd. 101,072, Nov. 10, 1914. Republished Dec. 14.
Whisky, Scotch. Geo. G. Sandeman Sons & Co., Limited. 388,564, July 1, 1941. Republished Dec. 14.

CLASS 50

Frames or hoops, Quilting. Stearns & Foster Company. 304,476, July 11, 1933. Republished Dec. 14.

CLASS 55

Insurance, Fire and casualty. Hardware Dealers Mutual Fire Insurance Company. 504,858, Dec. 14; Serial No. 532,825, published Sept. 14, 1948.
Rebuilding rail ends by adding weld metal and grinding, etc. Teleweld, Inc. 504,856, Dec. 14; Serial No. 530,350, published Sept. 14, 1948.
Services as a broker in sugars, syrups, and molasses. B. W. Dyer & Company. 504,857, Dec. 14; Serial No. 531,654, published Sept. 14, 1948.
Services in connection with the brokerage of real estate, etc. National Association of Real Estate Boards. 504,859, Dec. 14; Serial No. 540,011, published Sept. 14, 1948.
Transportation services, Railway freight and passenger. Chicago and North Western Railway Company. 504,854–5, Dec. 14; Serial Nos. 528,058–9, published Sept. 14, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Atkins, George E., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. Re. 23,057, Dec. 14.

Beckwith, Dudley R.: *See*—
New, Archibald, A., Foord, and Beckwith.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Atkins, George E.

Bronaugh, Lewis J., Portland, Oreg., and T. I. Potter, New York, assignors to Refrigeration Patents Corporation, Buffalo, N. Y. Refrigerator. Re. 23,058, Dec. 14.

Cochary, Thomas A., Brockton, Mass. Open-back shoe with stiffening means. Re. 23,059, Dec. 14.

Corning Glass Works, assignee: *See*—
McGregor, Rob Roy and Warrick.

Foord, Stanley G.: *See*—
New, Archibald A., Foord, and Beckwith.

Hydroblast Corporation, The, assignee: *See*—
Tirrell, Leslie L.

International Standard Electric Corporation, assignee: *See*—
New, Archibald A., Foord, and Beckwith.

McGregor, Rob Roy, Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Organo-silicon polymers and methods of making them. Re. 23,060, Dec. 14.

Molchan, Stephan, El Monte, assignor of one-half to Hy Schwartz, Los Angeles, Calif. Curling rod. Re. 23,061, Dec. 14.

New, Archibald A., S. G. Foord, and D. R. Beckwith, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric insulating material. Re. 23,062, Dec. 14.

Potter, Thomas I.: *See*—
Bronaugh, Lewis J., and Potter.

Refrigeration Patents Corporation, assignee: *See*—
Bronaugh, Lewis J., and Potter.

Research Corporation, assignee: *See*—
Shive, William, and Snell.

Schwartz, Hy, assignee: *See*—
Molchan, Stephan.

Shive, William, Austin, Tex., and E. E. Snell, Madison, Wis., assignors to Research Corporation, New York, N. Y. N-substituted pantoyl amides. Re. 23,063, Dec. 14.

Snell, Esmond E.: *See*—
Shive, William, and Snell.

Tirrell, Leslie L., Benton Harbor, Mich., assignor to The Hydroblast Corporation, Chicago, Ill. Method and apparatus for sand blasting. Re. 23,064, Dec. 14.

Warrick, Earl L.: *See*—
McGregor, Rob R., and Warrick.

LIST OF PLANT PATENTEES

Benton, William A., and G. L. Smith, Wassaic, N. Y. English or persian walnut tree. 815, Dec. 14.

Jones, Oscar F., Crozet, Va., and W. C. Jones, Hagerstown, Md. Peach tree. 814, Dec. 14.

Jones, Wilbur C.: *See*—
Jones, Oscar F. and W. C.

Smith, Gilbert L.: *See*—
Benton, William A., and Smith.

LIST OF DESIGN PATENTEES

Armstrong Products Corporation, assignee: *See*—
Chatfield, William W.

Barnes, Albert L., Longview, Wash. Bottle carrier. 152,053, Dec. 14.

Bletcher, James H.: *See*—
Bletcher, Ralph E., and Bucknell.

Bletcher, Pearl W.: *See*—
Bletcher, Ralph E., and Bucknell.

Bletcher, Ralph E., and E. H. Bucknell, Los Angeles, Calif., assignors of ten percent to R. E. Bletcher, twelve and one-half per cent to E. H. Bucknell, twelve and one-half per cent to M. Bucknell, ten per cent to P. W. Bletcher, twenty-five per cent to M. B. Liston, 10 per cent to J. H. Bletcher, ten per cent to H. B. Skinner, ten per cent to C. R. B. Robertson. Shower head. 152,054, Dec. 14.

Brasfield, George A., Berkeley, Calif. Tank vehicle. 152,055, Dec. 14.

Brull, Stephen C., Chicago, Ill. Door handle. 152,056, Dec. 14.

Bruynzeel's Deurenfabriek N. V., assignee: *See*—
Staartjes, Johannes.

Bryce, Betty A., Tacoma, Wash., now by decree of marriage B. A. Dobiash. Sweater. 152,057, Dec. 14.

Bucknell, Ernest H.: *See*—
Bletcher, Ralph E., and Bucknell.

Bucknell, Mabel: *See*—
Bletcher, Ralph E., and Bucknell.

Bustin, Leo, New York, N. Y. Grille guard for motor vehicles. 152,058, Dec. 14.

Bustin, Leo, New York, N. Y. Grille guard for motor vehicles. 152,059, Dec. 14.

Campion, Walter A., South St. Paul, Minn. Can punch. 152,060, Dec. 14.

Candlin, James E., Jr.: *See*—
Murphy, Frank L., and Candlin, Jr.

Carr, William I., Eldon, Mo. Bottle display fixture. 152,061, Dec. 14.

Cascade Plastics Inc., assignee: *See*—
Jahn, Herbert, and Zaremba.

Chatfield, William W., assignor to Armstrong Products Corporation, Huntington, W. Va. Electric heater casing. 152,062, Dec. 14.

Clark, William J., Bexley, Ohio, assignor to Curtiss-Wright Corporation. Airplane. 152,063, Dec. 14.

Coleman, Joseph A., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 152,064, Dec. 14.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Crowley, John C., Willoughby, Ohio. Combined tire gauge and key holder. 152,065, Dec. 14.

Crowley, John C., Willoughby, Ohio. Combined tire gauge and key holder. 152,066, Dec. 14.

Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Power winch. 152,067, Dec. 14.

Curtiss-Wright Corporation, assignee: *See*—
Clark, William J.

De Groodt & Associates, Inc., assignee: *See*—
Melillo, Joseph.

Dobiash, Betty A., by decree of marriage: *See*—
Bryce, Betty A.

Donchi, Samuel R., South Orange, N. J. Multigem setting or similar article. 152,068, Dec. 14.

Fettinger, John G., Utica, assignor to Robert Gair Company, Inc., New York, N. Y. Display carton. 152,069, Dec. 14.

Gair, Robert, Company, Inc., assignee: *See*—
Fettinger, John G.

Giovagnoni, Violet, New York, N. Y. Negligee. 152,070, Dec. 14.

Goldsmith, Edwin B., assignee: *See*—
Kapphan, Elwood D.

Hobé, William W., New York, N. Y. Brooch or similar article. 152,071, Dec. 14.

Hobé, William W., New York, N. Y. Brooch or similar article. 152,072, Dec. 14.

Hobé, William W., New York, N. Y. Brooch or similar article. 152,073, Dec. 14.

Hobé, William W., New York, N. Y. Necklace or similar article. 152,074, Dec. 14.

Hobé, William W., New York, N. Y. Brooch or similar article. 152,075, Dec. 14.

Hobé, William W., New York, N. Y. Brooch or similar article. 152,076, Dec. 14.

Hobé, William W., New York, N. Y. Brooch or similar article. 152,077, Dec. 14.
Hobé, William W., New York, N. Y. Bracelet or similar article. 152,078, Dec. 14.
Hobé, William W., New York, N. Y. Bracelet or similar article. 152,079, Dec. 14.
Hobé, William W., New York, N. Y. Brooch or similar article. 152,080, Dec. 14.
Hobé, William W., New York, N. Y. Bracelet or similar article. 152,081, Dec. 14.
Hobé, William W., New York, N. Y. Brooch or similar article. 152,082, Dec. 14.
Hobé, William W., New York, N. Y. Necklace. 152,083, Dec. 14.
Hobé, William W., New York, N. Y. Necklace. 152,084, Dec. 14.
Hobé, William W., New York, N. Y. Necklace. 152,085, Dec. 14.
Hobé, William W., New York, N. Y. Necklace or similar article. 152,086, Dec. 14.
Huppert, William, New York, N. Y. Electrical push button cover plate. 152,087, Dec. 14.
Jahn, Herbert, Garfield, and C. S. Zaremba, Patterson, N. J., assignors to Cascade Plastics Inc. Fly swatter. 152,088, Dec. 14.
Joy Manufacturing Company, assignee: *See*—
Curtis, John C.
Kapphan, Elwood D., Fort Lauderdale, Fla., assignor of one-half to E. B. Goldsmith, Pittsburgh, Pa. Grand piano. 152,089, Dec. 14.
Karstadt, Clarence, Glen Ellyn, Ill. Electric cooking appliance. 152,090, Dec. 14.
Karstadt, Clarence, Glen Ellyn, Ill. Electric cooking appliance. 152,091, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,092, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,093, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,094, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,095, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,096, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,097, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,098, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,099, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,100, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,101, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Combined brooch and locket. 152,102, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Combined brooch and locket. 152,103, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Combined brooch and locket. 152,104, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Combined brooch and locket. 152,105, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Combined brooch and locket. 152,106, Dec. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,107, Dec. 14.
Koven, Marc, New York, N. Y. Ring or similar article. 152,108, Dec. 14.
Lifton, Samuel H., New York, N. Y. Lock for portfolios or the like. 152,109, Dec. 14.
Liston, Marcia B.: *See*—
Bletcher, Ralph E., and Bucknell.
Mabs, Inc., assignee: *See*—
Minger, Robert E.
Maiden Form Brassiere Company, Inc., assignee: *See*—
Coleman, Joseph A.
Mark Cross Company, assignee: *See*—
Murphy, Gerald.
Markel Electric Products, Inc., assignee: *See*—
Ohm, Albert J. D.
Martling, Walter L., Jr., assignor to Mills Industries, Incorporated, Chicago, Ill. Cabinet for bottle vending machine. 152,110, Dec. 14.
Martling, Lockwood, Jr., Chicago, Ill. Display stand or similar article. 152,111, Dec. 14.
McGowen, Albert W., Boulder, Colo. Book end. 152,112, Dec. 14.
Mehr, Jacob A., St. Louis, Mo. Reflector assembly for a heat lamp. 152,113, Dec. 14.
Melillo, Joseph, Great Neck, assignor to De Groodt & Associates, Inc., Woodhaven, N. Y. Ash tray. 152,114, Dec. 14.
Mills Industries, Incorporated, assignee: *See*—
Martling, Walter L., Jr.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 152,115, Dec. 14.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 152,116, Dec. 14.
Moloney, Raymond T., assignee: *See*—
Nimitz, John W.
Morfesi, Eugene S., Flushing, N. Y. Meat holder. 152,117, Dec. 14.
Mortensen, Clarence L., Dallas, Tex. Shears. 152,118, Dec. 14.
Murphy, Frank L., and James E. Candlin, Jr., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 152,119, Dec. 14.
Murphy, Gerald, assignor to Mark Cross Company, New York, N. Y. Handbag or the like. 152,120, Dec. 14.
Nimitz, John W., also known as John W. Nimtz, assignor to Raymond T. Moloney, Chicago, Ill. Coin head. 152,121, Dec. 14.
Nimtz, John W.: *See*—
Nimitz, John W.
Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Front plate for electric room heating units. 152,122, Dec. 14.
Parker, Humphrey F., Buffalo, N. Y. Puller hoist. 152,123, Dec. 14.
Parker, Humphrey F., Buffalo, N. Y. Puller hoist. 152,124, Dec. 14.
Peterson, Clyde A., Lewisburg, Pa., assignor to Westinghouse Electric Corporation. Combination record player and radio. 152,125, Dec. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,126, Dec. 14.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 152,127, Dec. 14.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Murphy, Frank L., and Candlin, Jr.
Robertson, Charlotte R. B.: *See*—
Bletcher, Ralph E., and Bucknell.
Salter, Florence B., New Orleans, La. Doll. 152,128, Dec. 14.
Sanford, James C., Dallas, Tex. Chair. 152,129, Dec. 14.
Skinner, Hazel B.: *See*—
Bletcher, Ralph E., and Bucknell.
Staartjes, Johannes, Amsterdam, assignor to Bruynzeel's Deurenfabriek N. V. Zaandam, Netherlands. Combined crib and bureau. 152,130, Dec. 14.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Westinghouse Electric Corporation, assignee: *See*—
Peterson, Clyde A.
Wright, Dell, Elgin, Ill. Paralell vise and clamp. 152,131, Dec. 14.
Young, Richard E., Detroit, Mich. Alarm cabinet. 152,132, Dec. 14.
Zaremba, Chester S.: *See*—
Jahn, Herbert, and Zaremba.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aber, Joseph S., Philadelphia, Pa. Elastic snap ring fastener. 2,456,355, Dec. 14.
Aber, Joseph S., Philadelphia, Pa. Packing gasket and static seal. 2,456,356, Dec. 14.
Abramson, Morris H., Springfield, Mass. Securing device. 2,456,039, Dec. 14.
Ackerman, Arthur O., Fullerton, Calif. Entrapping condensation. 2,456,238, Dec. 14.
Ackley, Robert A., assignor to Republic Flow Meters Company, Chicago, Ill. Vapor indicating apparatus. 2,455,966, Dec. 14.
Acrotarque Company, The, assignee: *See*—
Orahansky, Elias, Jr.
Acton, Russel D., Chicago, Ill. Hydraulic cylinder and piston device. 2,456,236, Dec. 14.
Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Tractor mounted implement. 2,456,237, Dec. 14.
Adams Bros. Mfg. Co., Inc., assignee: *See*—
Adams, Edwin C.
Adams, Edwin C., assignor to Adams Bros. Mfg. Co., Inc., Pittsburgh, Pa. Electric heater. 2,455,967, Dec. 14.
Addressograph-Multigraph Corporation, assignee: *See*—
Gruver, John H., and Seeley.
Janke, Edward J.
Agostinelli, Joseph, Detroit, Mich. Heel counter reenforcement. 2,456,102, Dec. 14.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Dimler, Robert J.
Mast, William C.
Air Reduction Company, Incorporated, assignee: *See*—
Georg, Walter.
Schneider, Robert H.
Aktiebolaget Hadar Schmidt, assignee: *See*—
Oden, Knut.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Stoecklin, Josef.
Alderson, Witty L., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Curing ethylene polymers. 2,455,910, Dec. 14.
Allen, Harry L., Philadelphia, Pa., and E. G. Kerr, Haddonfield, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Complex resins and making. 2,456,357, Dec. 14.
Allen, Harry L., Philadelphia, Pa., and E. G. Kerr, Haddonfield, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Thermoplastic resins and making. 2,456,358, Dec. 14.
Alliance Manufacturing Company, The, assignee: *See*—
Schneider, Emmor V.
Allied Chemical & Dye Corporation, assignee: *See*—
Allen, Harry L., and Kerr.
Gilbert, Everett E., and Segool.
Hopkins, Abner C., Jr., Stephenson, and Watson.
Kern, Jean G.
Allied Electric Products, Inc., assignee: *See*—
Weisberg, Sidney M.
Alling, E. Roy, Kenmore, and J. C. Knepflar, said Knepflar assignor to Rice and Adams Corporation, Tonawanda, N. Y. Prerinsing apparatus for container washers. 2,456,040, Dec. 14.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Newhouse, Ray C.
Alvear, Victor, Clifton, N. J. Electric battery improvement. 2,456,477, Dec. 14.
American Bakers Machinery Company, assignee: *See*—
Buechek, John.
American Bridge Company, assignee: *See*—
Balke, Harry A.
American Briquet Company, assignee: *See*—
Dallas, George, Mifflin, and Fine.
American Can Company, assignee: *See*—
Martin, William M.
Nordquist, Ronald E. J.
American Cyanamid Company, assignee: *See*—
Clark, Le Roy V.
Hechenbleikner, Ingenuin.
Hultquist, Martin E., and Northey.
Lytle, Lawrence D.
American Steel Package Company, The, assignee: *See*—
Duerk, Karl A.
American Viscose Corporation, assignee: *See*—
Furness, William H.
Amstutz, Walter, assignor to Butler Brothers, Chicago, Ill. Collapsible blackboard. 2,456,103, Dec. 14.
Andersen, Nils P. E., Elm Grove, assignor to Harnischfeger Corporation, Milwaukee, Wis. Cargo hoist. 2,456,104, Dec. 14.
Anderson, Gordon V.: *See*—
Mueller, Siegfried E., Anderson, and Dacas.
Anderson, Milton B., Rockford, Ill., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Selective propulsion means for amphibious craft. 2,456,478, Dec. 14.
Anderson, William S., Jr., Williamsport, Pa., assignor to Avco Manufacturing Corporation. Sectional type boiler. 2,456,239, Dec. 14.
Andrews, Edward F., assignor, by mesne assignments, to The Miller Spreader Corporation, Youngstown, Ohio. Adjustable truck hitch. 2,456,359, Dec. 14.
Antil, Michael, Cortland, N. Y. Collapsible container. 2,456,479, Dec. 14.
Apex Railway Products Co., assignee: *See*—
Marsh, John W.
Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Electric lighting. 2,456,166, Dec. 14.
Argus, Incorporated, assignee: *See*—
Clapp, Roy A.
Arkus, Catherine, assignor to Feder Industries, Inc., New York, N. Y. Head ornament. 2,456,167, Dec. 14.
Arnold, Harold W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acrylonitrile process. 2,456,360, Dec. 14.
Arvey Corporation, assignee: *See*—
Johnson, Arnold E.
Atlas Powder Company, assignee: *See*—
Jefferson, George D.
Atteslander, Edouard, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Device for adjusting the blades of ship's propellers. 2,456,361, Dec. 14.
Attorney General of the United States, Vested in the: *See*—
Dohrn, Max, and Laubereau.
Heitz-Boyer, Maurice G.
Auer, Frederick, Teaneck, assignor to Champlain Company, Inc., Bloomfield, N. J. Chase die assembly. 2,456,240, Dec. 14.
Austin, Dwight E., Kent, assignor to Samuel Moore & Company, Cleveland, Ohio. Stanchion connection. 2,456,480, Dec. 14.
Automatic Electric Laboratories, Inc., assignee: *See*—
Peterson, Edward S.
Wood, Frederic E.
Avco Manufacturing Corporation, assignee: *See*—
Anderson, William S., Jr.
Aves, Fred J., Beverly Hills, Calif. Remote control adjustable mirror. 2,456,362, Dec. 14.
Axler, Meyer H., Corona, and K. F. Tripp, Tuckahoe, N. Y., assignors to Farrand Optical Co., Inc. Making optical transmission filters by thermal evaporation 2,456,241, Dec. 14.
B-J Company, Inc., The, assignee: *See*—
Berghoff, Mathew W.
Bailey, Benjamin F., Ann Arbor, assignor to United Lens Corporation, Detroit, Mich. Directional signal and circuits therefor. 2,456,242, Dec. 14.
Baird, Bruce M.: *See*—
Gibbs, Frank C., Baird, and Brosamer.
Bake, Louis S., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Self-curing polychloroprene compositions. 2,455,911, Dec. 14.
Baker, Corwin W., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,455,969, Dec. 14.
Baker, Edna J., Los Angeles, Calif. Key holder. 2,455,968, Dec. 14.
Balke, Harry A., Valencia, Pa., assignor to American Bridge Company. Center bearing. 2,455,970, Dec. 14.
Ballantyne, William G., and J. A. Thompson, Portland, Oreg. Rigid lightweight metal tray. 2,456,481, Dec. 14.
Barfod, Frederik: *See*—
Wirth, Emil O., and Barfod.
Barfod, Frederik, assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,456,603, Dec. 14.
Barfod, Frederik, and E. O. Wirth, assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,456,604, Dec. 14.
Barker, Edgar, Toronto, Ontario, Canada. Machine for machining arcuate surfaces. 2,456,041, Dec. 14.
Barnard, Harlin W., Olean, N. Y., C. O. Johnson, and F. P. Carey, assignor to W. R. Case & Sons Cutlery Co., Bradford, Pa. Knife blade grinding machine. 2,456,482, Dec. 14.

Barrows, Robert S., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Emulsion polymerization of 2-chloro-1,3-butadiene in the presence of tetraalkyl - diamino - diphenyl - methanes. 2,456,243, Dec. 14.

Bash, John M., Chicago, Ill. Censer. 2,456,244, Dec. 14.

Bauer, Benjamin B., Oak Park, assignor, by mesne assignments, to Shure Brothers Incorporated, Chicago, Ill. Stylus construction. 2,455,913, Dec. 14.

Bausch & Lomb Optical Company, assignee: *See*—
Markell, Stanley.
Sharp, John V., and Boughton.

Beardsley, Guy E., Jr., West Hartford, and C. W. Laubin, Windsor, assignors to United Aircraft Corporation, East Hartford, Conn. Ignition timing. 2,456,042, Dec. 14.

Beattie, Robert, Plainfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Container. 2,456,483, Dec. 14.

Bedwell, Floyd B.: *See*—
Stengl, Rudolph J. and Bedwell.

Beech-Nut Packing Company, assignee: *See*—
Grupe, William F.
Hoffman, John J.

Behrens, Albert, New York, N. Y. Display carton with sliding closure. 2,456,168, Dec. 14.

Belfield, H., Company, assignee: *See*—
Goehring, Francis R.

Bellsle, Adelard J., assignor to The Berkline Corporation, Springfield, Mass. Locking device for rocking chairs. 2,456,043, Dec. 14.

Bell, Bernard I.: *See*—
Weiner, Leon and Bell.

Bell, Lee A., Valencia, Pa. Glare screen. 2,456,484, Dec. 14.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Jordan, Homer G.

Bellamy, John I., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Electromagnetic counting device. 2,456,169, Dec. 14.

Bendix Aviation Corporation, assignee: *See*—
Barfod, Frederik.
Barfod, Frederik and Wirth.
Nardone, Romeo M.
Trout, Norwood S., Jr.
Wirth, Emil O. and Barfod.

Bendix Home Appliances, Inc., assignee: *See*—
Constantine, Arthur R.

Bendix, Vincent, Flemington, N. J., assignor to Helicopters, Inc. Helicopter with coaxial rotors. 2,456,485, Dec. 14.

Bennett, Ashley C., St. Louis Park, Minn. Liquid fuel burner control. 2,456,170, Dec. 14.

Benrus Watch Company, Inc., assignee: *See*—
Marchand, Adamir.

Berg, Carl, Northampton, and M. Berg, assignors to Nickel Cadmium Battery Corporation, Easthampton, Mass. Battery gland for terminals or vents. 2,456,246, Dec. 14.

Berg, Louis, Birmingham, Mich Hydraulic jack. 2,456,105, Dec. 14.

Berg, Marcus: *See*—
Berg, Carl, and M.

Bergel, Franz, A. L. Morrison, A. R. Moss, M. Königstein, and H. Rinderknecht, Welwyn Garden City, England, assignors to Hoffman-La Roche Inc., Nutley, N. J. Bile acid derivatives and the manufacture of same. 2,456,363, Dec. 14.

Berghoff, Mathew W., Lafayette, assignor to The B-J Company, Inc., West Lafayette, Ind. Inside storm window. 2,456,486, Dec. 14.

Berkline Corporation, assignee: *See*—
Bellsle, Adelard J.

Bernau, Arthur C., Sioux Falls, S. Dak. Packsack. 2,456,247, Dec. 14.

Bernreuter, Herbert A., assignor to Simpson Electric Company, Chicago, Ill. Electrical measuring instrument. 2,456,171, Dec. 14.

Beronius, Harry V., assignor to Welding Machines Manufacturing Company, Detroit, Mich. Welding gun. 2,456,106, Dec. 14.

Berry, Francois J., Lille, France. Gyratory screen. 2,456,248, Dec. 14.

Berry, William S., Buffalo, N. Y. Diaper washer. 2,456,364, Dec. 14.

Bidwell, George L., Riegelsville, Pa., assignor to Riegel Paper Corporation, New York, N. Y. Apparatus for producing variegated fiber lengths in the manufacture of paper. 2,456,249, Dec. 14.

Biermann, David, Cook County, Ill. Dispensing nozzle with automatic cutoff. 2,456,044, Dec. 14.

Blitz, Francis J., Eatontown, N. J. Voice operated antisinging repeater. 2,455,914, Dec. 14.

Bishop, Richard B.: *See*—
Schlesman, Carleton H., Denton, and Bishop.

Bobrich Manufacturing Corp., assignee: *See*—
Theodore, Henry P.

Bocciarelli, Carlo V., Oxford, Pa., assignor to Philco Corporation. Magnetic lens for correcting scanning defects. 2,455,977, Dec. 14.

Bodkin, Ernest A., Mickleton, and J. W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of stabilizing treatment of inorganic oxide gels against wetting. 2,456,576, Dec. 14.

Bodkin, Ernest A., Mickleton, and J. W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of stabilizing inorganic oxide gels against wetting. 2,456,577, Dec. 14.

Bodkin, Ernest A., Pitman, and J. W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of stabilizing inorganic oxide gels against wetting. 2,456,578, Dec. 14.

Boeing Airplane Company, assignee: *See*—
Price, Nathan C.

Boeing Airplane Company, Wichita Division, assignee: *See*—
Giwosky, Harry L., and Ketelsen.

Bonard, Claude, administrator: *See*—
Dreyfus, Henry.

Borcherding, Walter H., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalytic conversion of hydrocarbons. 2,455,915, Dec. 14.

Bosch, James F., Wappingers Falls, N. Y. Bookbinding and producing the same. 2,455,971, Dec. 14.

Boudreau, Alban M., assignor to Hedstrom-Union Company, Gardner, Mass. Combined brake and safety leg for perambulators. 2,456,250, Dec. 14.

Boughton, Olin W.: *See*—
Sharp, John V., and Boughton.

Boughton, Willis A., Fort Lauderdale, Fla., and C. L. Dawes, and W. R. Mansfield, Cambridge, Mass., assignors to W. A. Boughton, C. L. Dawes, W. R. Mansfield, F. C. Hughes, and D. M. Hill, trustees of the Mica Patents Trust. Composite bonded sheet insulating materials. 2,456,251, Dec. 14.

Bourland, James F.: *See*—
Hass, Henry B., and Bourland.

Bowditch, Hoel L., Sharon, Mass. Combination magnifying lens and punch or the like. 2,455,972, Dec. 14.

Boyce Thompson Institute for Plant Research, Inc., assignee: *See*—
Prill, Edward A.

Boyd, William J., Jr., Pittsburgh, Pa. Keyway cutter holder. 2,455,973, Dec. 14.

Brach, E. J., & Sons, assignee: *See*—
Spain, William P.

Brady, Samuel G.: *See*—
Gruenberg, Ivor J., and Brady.

Branch, Burl, Brantford, Ontario, Canada. Barking drum. 2,456,365, Dec. 14.

Brant, John R., assignee: *See*—
Reid, Ralph W. and C. L.

Bren, Bozetech C., West Caldwell, and Jesse O. White, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized polyvinyl acetal compositions. 2,456,366, Dec. 14.

Brewer, Oscar Z., Spokane, Wash., assignor of one-half to H. H. McNeill Lumber Co., Inc., New York, N. Y. Carboy package. 2,456,107, Dec. 14.

Briggs Manufacturing Company, assignee: *See*—
Shallot, Douglas.

Bristol, John E.: *See*—
Hansley, Virgil L., and Bristol.

Britton, Edgar C., and A. J. Dietzler, assignors to The Dow Chemical Company, Midland, Mich. Calcium-nickel phosphate catalyst and preparation thereof. 2,456,367, Dec. 14.

Britton, Edgar C., and A. J. Dietzler, assignors to The Dow Chemical Company, Midland, Mich. Calcium nickel phosphate-chromium oxide catalyst. 2,456,368, Dec. 14.

Brock, William H. J., Leamington Spa, England. Pipe coupling. 2,456,045, Dec. 14.

Brogan, Thomas C., Jr., Philadelphia, Pa. Embalming. 2,456,108, Dec. 14.

Brosamer, Robert J.: *See*—
Gibbs, Frank C., Jr., Baird, and Brosamer.

Broslus, John, Jr., Seattle, Wash. Stroboscopic projector of the continuously moving film type. 2,456,487, Dec. 14.

Brown, George W., Ames, Iowa, assignor to Radio Corporation of America. Automatic solution of linear simultaneous equations. 2,455,974, Dec. 14.

Brown, Herbert A.: *See*—
Jackson, Alphonsus L., and Brown.

Brown, Raymond H., New Hartford, assignor to The Torrington Manufacturing Co., Torrington, Conn. Centrifugal blower housing. 2,456,488, Dec. 14.

Bruning, Charles, Company, assignee: *See*—
Johnston, Derland.

Brush Development Company, The, assignee: *See*—
Massa, Frank.

Brusse, Archie B., assignor to Rocky Mountain Metal Products Co., Denver, Colo. Buccal tube for orthodontia. 2,455,916, Dec. 14.

Brustowsky, Morris, Brooklyn, N. Y., assignor to U. S. Slicing Machine Company, La Porte, Ind. Switch control means for slicing machines. 2,456,369, Dec. 14.

Buck, Mortimer P., Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y. Producing electrodeposited nickel strip containing boron. 2,456,370, Dec. 14.

Buckner, Cecil C., Grosse Pointe Park, Mich. Fluid pump. 2,456,109, Dec. 14.

Buechek, John, Kokomo, Ind., assignor, by mesne assignments, of one-half to American Bakers Machinery Company, St. Louis, Mo. Pressure sheeting of dough. 2,456,371, Dec. 14.

Buechek, John, Kokomo, Ind., assignor, by mesne assignments, of one-half to American Bakers Machinery Company, St. Louis, Mo. Method of rolling baking dough. 2,456,372, Dec. 14.

Buehl, Walter M., and C. B. Shepherd, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Gas generator. 2,455,975, Dec. 14.

Bugatti, Ettore, Paris, France. Grinding machine and footstock thereof. 2,456,252, Dec. 14.

Burke, Wilbur B., East Cleveland, Ohio. Machine for drilling capstan head. 2,456,245, Dec. 14.

Burkholder, John D., Jr., Harrisonburg, Va. Poultry house. 2,456,489, Dec. 14.

Burns, Walter, Munger, Mich. Seed potato cutter. 2,456,172, Dec. 14.

Burnside, Don G., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device for ultra high frequencies. 2,456,579, Dec. 14.

Burrows, Glen A., Charlotte, N. C. Leg brace. 2,456,046, Dec. 14.

Busch, Fred, Wauwatosa, and A. J. Nelson, assignors, by mesne assignments, to Milsteel Products Co., Milwaukee, Wis. Steam-press iron and steam baffle and separator therefor. 2,456,490, Dec. 14.

Bushey, George E., St. Albans, Vt. Pack carrier. 2,456,253, Dec. 14.

Butler Brothers, assignee: *See*—
Amstutz, Walter.

Butler, Cornelius V.: *See*—
Duhaime, Sidney J., and Butler.

Byrne, Joseph E.: *See*—
Sauter, Joseph H., and Byrne.

Cairns, Theodore L., and R. M. Joyce, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerized tetramethylethylene oxide. 2,455,912, Dec. 14.

Caldwell, Joseph M., Roscoe, Calif. Internal-combustion engine. 2,456,110, Dec. 14.

Campaigne, William E., assignor to Wingfoot Corporation, Akron, Ohio. Rubber flooring. 2,456,373, Dec. 14.

Cantrell, Troy L.: *See*—
Smith, Herschel G., and Cantrell.

Capolongo, Pasquale R.: *See*—
Stevens, Nelson B., and Capolongo.

Carey, Fred P.: *See*—
Barnard, Harlin W., and Johnson, and Carey.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Holman, Robert W.
Larkin, Charles A.

Carpenter Container Corporation, assignee: *See*—
Carpenter, Herbert L.

Carpenter, Herbert L., Amityville, assignor to Carpenter Container Corporation, Brooklyn, N. Y. Container. 2,456,047, Dec. 14.

Carpenter, Herbert L., Amityville, assignor to Carpenter Container Corporation, Brooklyn, N. Y. Sectional container and coupling. 2,456,048, Dec. 14.

Carrozza, Theodore, New York, N. Y. Interlocking partition structure. 2,456,049, Dec. 14.

Carter, Charles H., Mount Pocono, Pa. Suspension hook. 2,456,374, Dec. 14.

Carter, Raymond S., Cuyahoga Falls, and M. L. Dorf, assignors to Wingfoot Corporation, Akron, Ohio. Making transmission belts. 2,456,580, Dec. 14.

Caruso, Mario, Maplewood, assignor to C-Eight Laboratories, Newark, N. J. Article ejector for vending machines. 2,455,976, Dec. 14.

Caruso, Rocco P., Newark, assignor of forty-five per cent to R. W. Smith, Arlington, N. J., and ten per cent to A. D. T. Libby. Fishing rig. 2,456,254, Dec. 14.

Case, W. R., & Sons Cutlery Co., assignee: *See*—
Barnard, Harlin W., and Johnson, and Carey.

Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photochlorination of acetylene. 2,456,173, Dec. 14.

Cedarholm, Oscar R., Quincy, Mich., assignor of twenty per cent to O. R. Cedarholm, Jr., Fairfield, Conn. Vehicle bumper jack. 2,456,375, Dec. 14.

Cedarholm, Oscar R., Jr., assignee: *See*—
Cedarholm, Oscar R.

C-Eight Laboratories, assignee: *See*—
Caruso, Mario.

Celanese Corporation of America, assignee: *See*—
Dreyfus, Henry.
Fallows, Leonard, and Mellers.

Central Bank and Trust Company, executor: *See*—
McLaren, Peter J., Vaughan, and Fry.

Champlain Company, Inc., assignee: *See*—
Auer, Frederick.

Chirelstein, Nathan, Maplewood, N. J. Display lamp. 2,456,376, Dec. 14.

Chrysler Corporation, assignee: *See*—
Iavelli, Teno, and Matulaitis.
Neracher, Carl A., Dunn, Iavelli, and Syrovy.

Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener clip. 2,456,553, Dec. 14.

Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Connector for cords or cables. 2,456,554, Dec. 14.

Ciba Limited, assignee: *See*—
Widmer, Willy.

Circo Products Company, assignee: *See*—
Skelly, James J., and Ralston.

Cislak, Francis E., and M. M. Otto, Indianapolis, Ind., assignors to Reilly Tar & Chemical Corporation. Separating 2,4-lutidine and 2,5-lutidine. 2,456,377, Dec. 14.

Cislak, Francis E., and A. L. Kranzfelder, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Synthesizing carbazole. 2,456,378, Dec. 14.

Cislak, Francis E., and A. L. Kranzfelder, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. 2-amino-5-methyl pyridine and process of making it. 2,456,379, Dec. 14.

Cislak, Francis E., Indianapolis, Ind., and W. R. Wheeler, Cincinnati, Ohio, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Catalytic oxidation of nicotine. 2,456,380, Dec. 14.

Cislak, Francis E., and M. O. Otto, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Preparing metacresol-1,3,4-xylenol. 2,456,581, Dec. 14.

Cislak, Francis E., and M. O. Otto, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Separation of isomeric xylenols. 2,456,582, Dec. 14.

Clapp, Roy A., Minneapolis, Minn., assignor, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Motion-picture projector. 2,455,918, Dec. 14.

Clark Equipment Company, assignee: *See*—
Lapsley, Robert.

Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electric capacitor. 2,456,381, Dec. 14.

Clark, Le Roy V., New Castle, Pa., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Method for preparing lead nitroaminoguanidine. 2,456,583, Dec. 14.

Clark, Ned, Atlanta, Ga. Footrest and drainage for bathtubs. 2,456,174, Dec. 14.

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymer of cyclohexyl alpha chloroacrylate and butadiene-1,3. 2,456,382, Dec. 14.

Coast Envelope & Leather Products Company, assignee: *See*—
Miller, Joseph C.

Coffman, Donald D., and T. A. Ford, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers of trifluoroethylene and obtaining them. 2,456,255, Dec. 14.

Coggeshall, Norman D.: *See*—
Muskat, Morris, and Coggeshall.

Coggeshall, Norman D., O'Hara Township, Allegheny County, and M. Muskat, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Geophysical exploration of boreholes by microwaves. 2,455,942, Dec. 14.

Colaluca, Leonardo, Somerville, N. J. Spring-actuated projector for game boards. 2,455,978, Dec. 14.

Colgate-Palmolive-Peet Company, assignee: *See*—
Miles, Gilbert De Wayne.

Collins, Johnnie C., assignor to Servis Equipment Company, Dallas, Tex. Tractor implement. 2,456,491, Dec. 14.

Collins, Richard D., Baltimore, Md. Adjustable holder for precision indicators. 2,456,383, Dec. 14.

Columbian Rope Company, assignee: *See*—
Orser, Keith L.

Commercial Solvents Corporation, assignee: *See*—
Morey, Glen H.
Smith, Everet F.

Compo Shoe Machinery Corporation, assignee: *See*—
Macdonald, Kenneth W.

Conaway, Rollin F., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thermal-stretching apparatus for yarn. 2,456,384, Dec. 14.

Cone Automatic Machine Company, assignee: *See*—
Miller, Carroll E., and Ingalls.

Conklin, James W., Indianapolis, Ind., assignor to Radio Corporation of America. Electro-servo system. 2,455,979, Dec. 14.

Constantine, Arthur R., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Ironing machine. 2,456,385, Dec. 14.

Continental Can Company, Inc., assignee: *See*—
Henchert, John.

Control Instrument Company, Inc., assignee: *See*—
Feller, Anton M.

Cooney, John R., Waldoboro, Maine. Electrical circuits. 2,456,050, Dec. 14.

Cooper, Charles W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nontacky synthetic film. 2,456,387, Dec. 14.

Cooper, Howell C., Sewickley, Pa. Cascade refrigeration unit with controls therefor. 2,456,386, Dec. 14.

Cope, Arthur C., Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Secondary alkyl(secondary) amino alcohol esters of aryl-substituted aliphatic acids. 2,456,555, Dec. 14.

Cope, Arthur C., Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Socendary-alkyl(secondary)amino alcohol esters of para-dialkyl amino benzoic acid. 2,456,556, Dec. 14.

Coppock, Kenneth E., Pleasant Ridge, and G. A. Smith, assignors to General Motors Corporation, Detroit, Mich. Front post and windshield construction. 2,456,175, Dec. 14.

Corning Glass Works, assignee: *See*—
Hyde, James F.

Cornwell, Lionel B., New Canaan, Conn. Magnetic sound translating head. 2,456,388, Dec. 14.

Covent, Barnett B., assignee: *See*—
Keith, Glenn.

Crake, Wilfred S., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Drilling control system. 2,455,917, Dec. 14.

Cramer, Richard D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monomeric addition products of azobisformates and polyfluoroethylenes. 2,456,176, Dec. 14.

Craver, Orville G., Sr., Chester, N. C. Lawn mower sharpener. 2,456,389, Dec. 14.

Creech, Ballard, Chehalis, Wash. Child's knockdown chair and table. 2,456,111, Dec. 14.

Creson, William K., and R. H., Jordan, assignors to Ross Gear & Tool Company, Lafayette, Ind. Steering gear. 2,456,390, Dec. 14.

Crimora Research and Development Corporation, assignee: *See*—
Jacobs, James H., and Yarroll.

Crimp Seal Products Co., assignee: *See*—
Foster, Cyril J.

Crowley, Daniel G., Remus, Mich. Remote control switching device. 2,456,256, Dec. 14.

Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-alkyl polymeric amic acids and coating compositions containing them. 2,456,177, Dec. 14.

Curry, Willam R., Ogden, Utah. Flushing device for douche syringes. 2,456,257, Dec. 14.

Curtiss-Wright Corporation, assignee: *See*—
Sawyer, James G.

Cutler-Hammer, Inc., assignee: *See*—
Seeger, Edwin W., and Schmitz.

Dacas, Arthur: *See*—
Mueller, Siegfried E., Anderson, and Dacas.

Dalkin, A., Company, assignee: *See*—
Yuza, Rudolph.

Dallas, George M., and B. M. Fine, assignors to American Briquet Company, Philadelphia, Pa. Split roll for briquetting machines or the like. 2,455,980, Dec. 14.

Daniel and Florence Guggenheim Foundation, assignee: *See*—
Goddard, Robert H.

Daon, Rene, assignor to Yankee Metal Products Corp., Norwalk, Conn. Rearview mirror mounting. 2,455,919, Dec. 14.

Davies, Charles, New Rochelle, N. Y. Ventilator. 2,456,391, Dec. 14.

Dawes, Chester L.: *See*—
Boughton, Willis A., Dawes, and Mansfield.

Dayton Rubber Company, The, assignee: *See*—
Lofton, Edgar K.

De Atley, Wilbur W.: *See*—
Harris, Charles R., and De Atley.

Deere & Company, assignee: *See*—
Standlund, Carl G.

Deere Manufacturing Co., assignee: *See*—
West, James R., and Jones

Demmer, Edward U., assignee: *See*—
Elliott, Gordon R.

Denton, William I.: *See*—
Schlesman, Carleton H., Denton, and Bishop.

Detroit Lubricator Company, assignee: *See*—
Landon, Walter S.

Devoe & Raynolds Company, Inc., assignee: *See*—
Greenlee, Sylvan O.

Diaphragm & Chemical Company, assignee: *See*—
Waterbury, Carl C.

Dictaphone Corporation, assignee: *See*—
Petruschell, Lucius P.

Dietzler, Andrew J.: *See*—
Britton, Edgar C., and Dietzler.

Dimick, William A., St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill. Balance weight assembly for weighing scales. 2,456,178, Dec. 14.

Dimler, Robert J., Peoria, Ill., assignor to United States of America as represented by the Secretary of Agriculture. Alkali process for wheat starch production. 2,455,981, Dec. 14.

Dings Magnetic Separator Co., assignee: *See*—
Manegold, Robert L., and Wynne.

Dixon, Arthur G., assignor to Modine Manufacturing Company, Racine, Wis. Convector heating unit. 2,456,492, Dec. 14.

Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,456,112, Dec. 14.

Dohrn, Max, Berlin-Charlottenburg, and O. Laubereau, Berlin-Neukoln, Germany; vested in the Attorney General of the United States. P-amino phenyl-p'-amino pyridyl sulfone and making the same. 2,456,258, Dec. 14.

Dole Valve Company, The, assignee: *See*—
Kempton, Leslie A.

Dooley Bros., assignee: *See*—
Fellay, Louis J., and Kavanaugh.

Dorf, Marvin L.: *See*—
Carter, Raymond S., and Dorf.

Dorjée, Hendrik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Insulating support for electric wiring. 2,456,259, Dec. 14.

Dorner, John A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Step-by-step molding of extensive articles. 2,456,113, Dec. 14.

Dow Chemical Company, The, assignee: *See*—
Britton, Edgar C., and Dietzler.

Dowell, Henry L.: *See*—
Shelton, Georg I., and Dowell.

Dowty, George H., Cheltenham, England. Sealing washer. 2,455,982, Dec. 14.

Doyle, Irving W., Massapequa, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Camera lens mount. 2,456, 053, Dec. 14.

Doyle, Irving W., Massapequa, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Sextant marking device. 2,456,392, Dec. 14.

Doyle, Irving W., Massapequa, and C. V. Johnson, Kew Gardens, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Curtain for focal plane shutters. 2,456,052, Dec. 14.

Draeger, Arthur A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Recovering olefins from a hydrocarbon stream. 2,456,260, Dec. 14.

Drane, Phillips B., and C. D. Laidley, Tulsa, Okla. Time controlled valve. 2,456,493, Dec. 14.

Dreyfus, Henry, London, England; C. Bonard, administrator of said H. Dreyfus, deceased, assignor to Celanese Corporation of America. Production of polymers from carbylamine and carboxylic compounds. 2,455,983, Dec. 14.

Duerk, Karl A., assignor to The American Steel Package Company, Defiance, Ohio. Condenser structure. 2,456,114, Dec. 14.

Duhalme, Sidney J., and C. V. Butler, Los Angeles, Calif. Clothesline reel. 2,456,115, Dec. 14.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Goldsmith, Thomas T., Jr., and Mann.
Owen, Robert P.

Duncan, Douglas R., Gibbstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Drying of sodium nitrite to obtain a relatively non-caking granular form. 2,456,393, Dec. 14.

Dunn, Cecil G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,456,461, Dec. 14.

Dunn, William T.: *See*—
Neracher, Carl A., Dunn, Iavelli, and Syrovy.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Alderson, Witty L., Jr.
Arnold, Harold W.
Bake, Louis S.
Barrows, Robert S.
Brenz-Bozetech C., and White.
Buehl, Walter M., and Shepherd.
Cairns, Thomas L., and Joyce, Jr.
Cass, Oliver W.
Coffman, Donald D., and Ford.
Conaway, Rollin F.
Cooper, Charles W.
Cramer, Richard D.
Cupery, Martin E.
Duncan, Douglas R.
Fields, Reuben T.
Graham, Boynton.
Greenwald, William C.
Hansley, Virgil L., and Bristol.
Harris, Charles R., and De Atley.
Livingston, Herbert K.
Miller, Henry C.
Pratt, Burt C.
Prichard, William W.
Ramler, Edward O.
Richter, Henry J.
Stamatoff, Gelu S.
Vaala, Gordon T.
Walker, Joseph F.
Walker, Kenneth E.
Wiley, Richard H.

Durand & Huguenin, A. G., assignee: *See*—
Tschan, Ernst.

Dyduszynski, Adam, Chester, England, assignor to Shell Development Company, San Francisco, Calif. Hydrocarbon conversion. 2,456,557, Dec. 14.

Eastman Kodak Company, assignee: *See*—
Hagemeyer, Hugh J., Jr.
Lowe, Wesley G.
Sun, Kuan-Han.

Eaton Manufacturing Company, assignee: *See*—
Hoern, Joseph H., and Pardee.

Ebbley, Norman E., Jr., Leadville, Colo. Antispill attachment for skis. 2,455,920, Dec. 14.

Eberhardt, Daniel A., St. Louis, Mo. Locking device for the sliding members of extensible frames. 2,456,054, Dec. 14.

Edison, Thomas A., Incorporated, assignee: *See*—
Fritzinger, George H.

Ehrlich, Josef, assignor to Erko Corporation, New York, N. Y. Making a plastic cork composition. 2,455,921, Dec. 14.

Eko Products Company, assignee: *See*—
Lueneburg, Walter C.

Elderbaum, Gilbert L.: *See*—
Howell, Clifton W., and Elderbaum.

Electric and Musical Industries Limited, assignee: *See*—
White, Eric L. C., Harker, and Houchin.

Electrical Engineers Equipment Co., assignee: *See*—
Hoye, Peder B.

Electrons, Incorporated, assignee: *See*—
Smith, Earl K.

Elliott, Gordon R., Ferndale, Mich., assignor to I. A. Puchner and E. U. Demmer, Milwaukee, Wis. Hydraulic pressure intensifier unit. 2,455,984, Dec. 14.

Elliott, Gordon R., Ferndale, Mich., assignor to I. A. Puchner and E. U. Demmer, Milwaukee, Wis. Hydraulic brake booster. 2,455,985, Dec. 14.

Englander, Joseph B., Woodmere, N. Y. Annunciating device. 2,455,922, Dec. 14.

Enns, John H., Ann Arbor, Mich., assignor to Leeds and Northrup Company, Philadelphia, Pa. Stabilized control gap for spark spectroscopes. 2,456,116, Dec. 14.

Ensink, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for the modulation of electrical oscillations. 2,456,494, Dec. 14.

Equitable Paper Bag Co., Inc., assignee: *See*—
Lofgreen, Carl H.

Erko Corporation, assignee: *See*—
Ehrlich, Josef.

Evenwell, David, San Francisco, Calif. Lipstick dress protector. 2,455,986, Dec. 14.

Faeber, Harry W., Larchmont, assignor to Time, Inc., New York, N. Y. Coating machine. 2,456,495, Dec. 14.

Fair, William F., Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., Bituminous laminated material. 2,455,923, Dec. 14.

Fairbanks, Morse & Co., assignee: *See*—
Dimick, William A.
Guldbrandsen, Guldbrand.

Fairchild Camera and Inatrument Corporation, assignee: *See*—
Doyle, Irving W.
Doyle, Irving W., and Johnson.

Fairchild Engine and Airplane Corporation, assignee: *See*—
Gregory, Alfred T.

Fallows, Leonard, and E. V. Mellers, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Manufacture of hydrogen cyanide. 2,455,987, Dec. 14.

Farkas, Walter G.: *See*—
Flexser, Leo A., and Farkas.

Farnam Company, assignee: *See*—
Jensen, Deane L.

Farrand Optical Co., Inc., assignee: *See*—
Axler, Meyer H., and Tripp.

Farrar, John R., Lakewood, Ohio. End connection for structural steel beams. 2,456,055, Dec. 14.

Feder Industries, Inc., assignee: *See*—
Arkus, Catherine.

Fellay, Louis J., and H. H. Kavanaugh, assignors to Dooley Bros., Peoria, Ill. Mine drill support and driving mechanism. 2,456,056, Dec. 14.

Feller, Anton M., Elizabeth, N. J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Salinity metering system. 2,456,117, Dec. 14.

Felter, John S.: *See*—
Thomas, Charles E., Felter, and Ness.

Ferrari, Frank: *See*—
Gallichio, Paul, and Ferrari.

Fields, Reuben T., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fabrication of polytetrafluoroethylene articles. 2,456,262, Dec. 14.

Fife, Truesdell C., Reading, Mass. Water heater. 2,455,988, Dec. 14.

Fine, Bernard M.: *See*—
Dallas, George, Mifflin, and Fine.

Finer, Henry J., Sutton Coldfield, assignor to Masts Limited, Birmingham, England. Street lighting standard. 2,456,179, Dec. 14.

First National Bank of Boston, The, assignee, trustee: *See*—
Guilden, Ira.

Fischer, Albert W.: *See*—
Kettering, Charles F., and Fischer.

Fisher, Hardin Y., Hillside, assignor to Soreng Manufacturing Corporation, Chicago, Ill. Nonchattering alternating current solenoid and plunger. 2,456,394, Dec. 14.

Flatt, William O., Fort Worth, Tex. Razorstrop composition. 2,456,263, Dec. 14.

Flexser, Leo A., Elizabeth, and W. G. Farkas, Palisades Park, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Synthesis of riboflavin. 2,456,395, Dec. 14.

Food Machinery and Chemical Corporation, assignee: *See*—
Wade, John B.

Food Machinery Corporation, assignee: *See*—
Stilwell, Glenn E., and Paxton.

Food Research Laboratories, Inc., assignee: *See*—
Melnick, Daniel.

Ford Instrument Company, Inc., assignee: *See*—
Poitras, Edsard J., and Tear.

Ford, James G., Sharon, and R. N. Wenzel, Swissvale, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lubricants. 2,456,496, Dec. 14.

Ford, Thomas A.: *See*—
Coffman, Donald D., and Ford.

Forsmark, Harold R., assignor to Stiger Precision Products, Inc., Chicago, Ill. Micrometer bore gauge. 2,456,497, Dec. 14.

Fosgood Corporation, assignee: *See*—
Ward, Robert S.

Foster, Cyril J., assignor, by mesne assignments, to T. Hawkinson and H. Burnett, Chicago, Ill., co-partners, trading as Crimp Seal Products Co. Terminal member. 2,456,118, Dec. 14.

Fostoria Pressed Steel Corporation, assignee: *See*—
Goble, Lawrence E.

Franck, Paul L., Washington, D. C. Direction signal. 2,456,498, Dec. 14.

Frazier, Van, Springfield, Mo. Tandem axle spring suspension. 2,455,989, Dec. 14.

Friedheim, Ernst A. H., and S. Soloway, New York, N. Y. Addition compounds of pyridine derivatives and preparing same. 2,455,924, Dec. 14.

Friedlen, Maurice A., Chicago, Ill. Preparing appliqués for attachment. 2,456,264, Dec. 14.

Friedman, Bernard S., Chicago, and G. L. Hervert, Berwyn, assignors to Universal Oil Products Company, Chicago, Ill. Production of surface active agents. 2,456,119, Dec. 14.

Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical control and/or measuring system. 2,456,499, Dec. 14.

Frohock, Warren S., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Control of vaporizable material. 2,456,396, Dec. 14.

Frolich, Per K., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Modifying agents for use in low-temperature polymerization reactions. 2,456,265, Dec. 14.

Fry, Macon: *See*—
McLaren, Peter J., Vaughan, and Fry.

Furness, William H., Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,456,120, Dec. 14.

G. B. & S. Mill, Inc., assignee: *See*—
Gates, Wearing D.

Gallichio, Paul, and F. Ferrari, New York, N. Y. Broiler. 2,456,397, Dec. 14.

Ganz, Henry, Ridgefield Park, assignor to The Personal Products Corporation, New Brunswick, N. J. Manufacture of absorbent tampons. 2,455,925, Dec. 14.

Garing, Jane E., Atlanta, Ga. Protection device for hair driers. 2,456,180, Dec. 14.

Gates, D. Wearing, Seattle, assignor to G. B. & S. Mill, Inc., Yakima, Wash. Drum grinding mill with discharge openings in the liner. 2,456,266, Dec. 14.

Gaugler, Lloyd P., Elysburg, Pa. Safety device for firearms. 2,455,990, Dec. 14.

Gazda, Antoine, Providence, R. I. Handle bar. 2,456,267, Dec. 14.

Gear Grinding Machine Company, The, assignee: *See*—
Gruenberg, Ivor J., and Brady.

General Baking Company, assignee: *See*—
Sauter, Joseph H., and Byrne.

General Controls Co., assignee: *See*—
Paille, Eugene.
Ray, William A.

General Electric Company, assignee: *See*—
Clark, Frank M.
Dunn, Cecil G.
Gethmann, Richard B.
Jackson, Edwin J.
Ogden, Harold S.
Patterson, Franklin G., and Sims.
Sommerville, Gareth G.
Starle, George B.
Wainwright, Joseph A.
Wargin, Edward F., Harkness, and Peroutky.

General Motors Corporation, assignee: *See*—
Coppock, Kenneth E., and Smith.
Grube, William L.
Kettering, Charles F., and Fischer.

General Railway Signal Company, assignee: *See*—
Preston, Neil D., and Hitchcock.

General Tire & Rubber Company, The, assignee: *See*—
Schwall, Chester F., Jr.

George, F. C., Machine Company, assignee: *See*—
George, Frank C.

George, Frank C., assignor, by mesne assignments, to F. C. George Machine Company, Orlando, Fla. Tamping device for block molding machines. 2,456,181, Dec. 14.

Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Fractionation control apparatus. 2,456,398, Dec. 14.

Gessler, Albert E., Scarsdale, N. Y., W. F. Grupe, Lyndhurst, N. J., C. J. Rolle, Yonkers, and F. J. Tuttle, assignors to Interchemical Corporation, New York, N. Y. Automobile body structure. 2,455,926, Dec. 14.

Gethmann, Richard B., Bridgeport, Conn., assignor to General Electric Company. Cathode-ray apparatus. 2,456,399, Dec. 14.

Giannini, G. M., & Co. Inc., assignee: *See*—
Giannini, Gabriel M.

Giannini, Gabriel M., assignor to G. M. Giannini & Co. Inc., Pasadena, Calif. Low torque toroidal resistor. 2,456,261, Dec. 14.

Giannopulos, Alexander, Fresno, Calif. Irrigation pipe and constructing same. 2,456,400, Dec. 14.

Gibbs, Frank C., Jr., Borger, Tex., B. M. Baird, Oklahoma City, Okla., and R. J. Brosamer, U. S. Navy, assignors to Phillips Petroleum Company. Catalyst preparation. 2,456,268, Dec. 14.

Gilbert, Everett E., New York, and H. D. Segool, Flushing, N. Y., assignors to Allied Chemical & Dye Corporation. Purification of diaryl monosulfides. 2,456,500, Dec. 14.

Gill, Joseph W., Elmhurst, assignor to United States Gypsum Company, Chicago, Ill. Plastic joint composition. 2,456,269, Dec. 14.

Gilmore, Ronald P., Fulton, Mo., assignor to Shell Development Company, San Francisco, Calif. Interference eliminator for seismic recording systems. 2,456,401, Dec. 14.

Girdler Corporation, The, assignee: *See*—
Houlton, Harold G.

Giwosky, Harry L., and P. Ketelsen, assignors to Boeing Airplane Company, Wichita Division, Wichita, Kans. Lubricating device. 2,456,270, Dec. 14.

Glen Jewelry Company, Inc., assignee: *See*—
Rowen, Irving.

Glick, Sanford E., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerization of styrene and related compounds. 2,456,558, Dec. 14.

Glossbrenner, Frederick W., Indianapolis, Ind. Vaporizer and control panel. 2,456,057, Dec. 14.

Goble, George H., Haddon Heights, N. J. Lamp socket. 2,456,501, Dec. 14.

Goble, Lawrence E., assignor to The Fostoria Pressed Steel Corporation, Fostoria, Ohio. Flexible joint assembly. 2,456,182, Dec. 14.

Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion chamber and supplying plural liquid fuels thereto. 2,456,402, Dec. 14.

Goehring, Francis R., assignor to H. Belfield Company, Philadelphia, Pa. Diaphragm control valve. 2,456,403, Dec. 14.

Goerg, Walter, North Bergen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Flux coating for welding rods. 2,456,121, Dec. 14.

Goldberg, Elias, assignee: *See*—
Keith, Glenn.

Goldfield, Edwin R., and R. C. Schiring, University Heights, assignors to Picker X-ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Desk of packing case construction. 2,455,991, Dec. 14.

Goldsmith, Thomas T., Jr., Cedar Grove, and E. R. Mann, Upper Montclair, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray tube amusement device. 2,455,992, Dec. 14.

Goldthwaite, George R., North Easton, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Outlet grille. 2,456,058, Dec. 14.

Good, Harvey G., East Earl, Pa. Gatherer for silage harvesters. 2,456,404, Dec. 14.

Goodrich, B. F., Company, The, assignee: *See*—
Dorner, John A.
Hickler, Walter R.
MacKinnon, John C., and Hickler.

Goodwin, Willis R., Malden, Mass. Work positioning means for heel nailing machines. 2,456,405, Dec. 14.

Gordon, John T., and R. E. Solliday, assignors to Wingfoot Corporation, Akron, Ohio. Thread feed arresting device. 2,456,406, Dec. 14.

Gorin, Everett, Woodbury, N. J., M. H. Gorin, San Francisco, Calif., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Conversion of dimethyl ether. 2,456,584, Dec. 14.

Gorin, Manuel H.: *See*—
Gorin, Everett and M. H.

Grady, Stephen S., New York, N. Y. Electric switch. 2,455,927, Dec. 14.

Graham, Boynton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction product of n-substituted polyamides with hydroxylated materials and obtaining same. 2,456,271, Dec. 14.

Graybill, Howard W., Honey Brook, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double throw switch. 2,456,502, Dec. 14.

Green, Arthur, Coventry, England. Machine for producing screwthreads. 2,456,407, Dec. 14.

Green, Charles P., Chicago, Ill. Device for clamping and locking work in jigs or fixtures. 2,456,183, Dec. 14.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Synthetic drying compositions. 2,456,408, Dec. 14.

Greenwald, William C., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of tetrachlorethylene. 2,456,184, Dec. 14.

Gregory, Alfred T., Manhasset, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cylinder construction. 2,456,272, Dec. 14.

Gregurich, Matthew: *See*—
Stuckey, Warren A., and Gregurich.

Grewe, Raymond K., Silverton, Tex. Two-part clothespin with pivot joint. 2,456,409, Dec. 14.

Grinnell Corporation, assignee: *See*—
Loepsinger, Albert J.

Grube, William L., assignor to General Motors Corporation, Detroit, Mich. Electroplating apparatus. 2,456,185, Dec. 14.

Gruenberg, Ivor J., Pleasant Ridge, and S. G. Brady, Royal Oak, assignors to The Gear Grinding Machine Company, Hamtramck, Mich. Gear grinding machine. 2,456,410, Dec. 14.

Grupe, William F.: *See*—
Gessler, Albert E., Grupe, Rolle, and Tuttle.

Grupe, William F., Lyndhurst, N. J., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Machine for and banding boxes. 2,456,059, Dec. 14.

Gruver, John H., East Cleveland, and H. A. Seeley, Cleveland, Ohio, assignors to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,456,273, Dec. 14.

Guilden, Ira, Miami Beach, Fla., assignee, by mesne assignments, to The First National Bank of Boston, Boston, Mass., as trustee. Time zone watch. 2,456,122, Dec. 14.

Guinot, Henri M., Versailles, assignor to Les Usines De Melle (Societe Anonyme), Saint-Léger-les-Melle, France. Catalytically hydrogenating organic substances. 2,456,187, Dec. 14.

Guldbrandsen, Guldbrand, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill. Dial scale mechanism. 2,456,186, Dec. 14.

Gulf Oil Corporation, assignee: *See*—
Smith, Herschel G., and Cantrell.

Gulf Research & Development Company, assignee: *See*—
Coggeshall, Norman D., and Muskat.
Muskat, Morris, and Coggeshall.

Gutzwiller, Ernst, Basel, assignor to Sandoz Ltd., Fribourg, Switzerland. Aryl thio-ethers of metal-containing phthalocyanines and producing same. 2,456,274, Dec. 14.

Haas, Henry B., West Lafayette, Ind., and J. F. Bourland, Martinsville, N. J., assignors to Purdue Research Foundation, West Lafayette, Ind. Production of nitrohydroxy compounds. 2,456,585, Dec. 14.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Condensation of ketenes with esters of keto acids. 2,456,503, Dec. 14.

Hagenberg, Theodorus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge tube. 2,455,993, Dec. 14.

Hammerstein, Arthur, Palatine, Ill. Dispensing device. 2,456,504, Dec. 14.

Hanlin, Robert A., Logansport, Ind. Lamp shade. 2,455,994, Dec. 14.

Hansley, Virgil L., and J. E. Bristol, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyanhydrin esters. 2,456,188, Dec. 14.

Happe, Reynold: *See*—
Turner, Edgar P., and Happe.

Harbison, Benjamin F., Rocky Ford, Colo. Continuous sediment separator. 2,456,189, Dec. 14.

Harding, Clarke T.: *See*—
Rupp, Walter H., and Harding.

Harker, Maurice G.: *See*—
White, Eric L. C., Harker, and Houchin.

Harkness, Joseph R.: *See*—
Wargin, Edward F., Harkness, and Peroutky.

Harnischfeger Corporation, assignee: *See*—
Andersen, Nils P. E.

Harris, Charles R., Lockport, and W. W. De Atley, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of nitriles from certain olefins and HCN. 2,455,995, Dec. 14.

Harris, Louise E., Macon, Ga. Bathtub. 2,456,275, Dec. 14.

Harrison, Burnett, assignee: *See*—
Foster, Cyril J.

Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Stall cock for milking machines. 2,456,276, Dec. 14.

Hart, Thomas W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Edge finishing machine. 2,456,123, Dec. 14.

Hartford National Bank and Trust Company, as trustee, assignee: *See*—
Dorjée, Hendrik.
Ensink, Johannes.
Hagenberg, Theodorus.
Van der Mark, Jan, and Weyers.

Harvey, Aro M., deceased, Kansas City, Mo.; by Neva J. Harvey, administratrix, assignor to Neva J. Harvey, Kansas City, Mo. Garment supporting device for ironing boards. 2,456,411, Dec. 14.

Harvey, Neva J., administratrix, assignee: *See*—
Harvey, Aro M.

Harvey, Robert L., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulated radio testing system. 2,455,996, Dec. 14.

Hastings, James E., assignor to The L. S. Starrett Company, Athol, Mass. Clamping unit for surface gauges or the like. 2,456,505, Dec. 14.

Hathaway, Clarence A.: *See*—
Seamon, David J., Wood, and Hathaway.

Hattan, Mark, Pasadena, Calif. Rotatable-joint clasp having safety locking means. 2,455,929, Dec. 14.

Hawkinson, Thomas, assignee: *See*—
Foster, Cyril J.

Hawks, Thomas R., Washington, D. C. X-ray tube sighting device. 2,455,928, Dec. 14.

Hazeltine Research, Inc., assignee: *See*—
James, Emrys G.
Loughren, Arthur V.

Hechenbleikner, Ingenuin, Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y. 2-butoxyethyl fluoroacetate. 2,456,586, Dec. 14.

Hedstrom-Union Company, assignee: *See*—
Boudreau, Alban M.

Heilbronner, Harry S., Perry, N. Y. Self-adjusting garment. 2,456,190, Dec. 14.

Heimbaugh, Clyde L., Duluth, Minn. Exercising device. 2,456,412, Dec. 14.

Heitz-Boyer, Maurice G., Vichy, France; vested in the Attorney General of the United States. Surgical table. 2,456,277, Dec. 14.

Helicopters, Inc., assignee: *See*—
Bendix, Vincent.

Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Clinching bail ears to can body blanks and apparatus therefor. 2,456,506, Dec. 14.

Hendrickson, Emil G., and F. La Cour, Lake Charles, La., assignors to The Scholl Mfg. Co., Inc., Chicago, Ill. Applying tubular bandages. 2,456,507, Dec. 14.

Hervert, George L.: *See*—
Friedman, Bernard S., and Hervert.

Herwald, Seymour W., and H. M. Watson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor control system. 2,456,508, Dec. 14.

Hewett, Philip S., Royal Oak, assignor to Reichhold Chemicals, Inc., Detroit, Mich. Aqueous urea formaldehyde resin for stabilizing textiles. 2,456,191, Dec. 14.

Heyel, Frederick W., East Port Chester, assignor to Pitney-Bowes, Inc., Stamford, Conn. Tape advancing and retracting means. 2,456,414, Dec. 14.

Hickler, Walter R.: *See*—
MacKinnon, John C., and Hickler.

Hickler, Walter R., Winthrop, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Manufacturing a resin-bonded composite product. 2,456,006, Dec. 14.

High Standard Manufacturing Corporation, The, assignee: *See*—
Humeston, Frederick L.

Hill, Donald M., trustee, assignee: *See*—
Boughton, Willis A., and Dawes, and Mansfield.

Hill, George L., Houston, Tex. Acetylene generator. 2,456,278, Dec. 14.

Hillenbrand, William A., Franklin County, assignor to Hill-Rom Company, Inc., Batesville, Ind. Table construction. 2,456,415, Dec. 14.

Hill-Rom Company, Inc., assignee: *See*—
Hillenbrand, William A.

Hitchcock, Forest B.: *See*—
Preston, Neil D., and Hitchcock.

Hoern, Joseph H., Birmingham, and C. G. Pardee, Detroit, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio. Rotor grinder. 2,456,060, Dec. 14.

Hoffman, John J., Point Pleasant, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Apparatus for and method of treating food products. 2,456,124, Dec. 14.

Hoffmann-La Roche Inc., assignee: *See*—
Bergel, Franz, Morrison, Moss, Konigstein, and Rinderknecht.
Flexser, Leo A., and Farkas.

Hogan, Louis W., Houlton, Maine. Potato digging machine. 2,456,416, Dec. 14.

Hohwart, George, Detroit, assignor to N. A. Woodworth Company, Ferndale, Mich. Double end center lapping machine. 2,456,061, Dec. 14.

Holder, Clinton H.: *See*—
Welty, Albert B., Jr., and Holder.

Holman, Robert W., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Current regulating system. 2,455,997, Dec. 14.

Homestead Valve Manufacturing Company, assignee: *See*—
Ofeldt, Frank W.

Hooker Electrochemical Company, assignee: *See*—
Loverde, Anthony.

Hopkins, Abner C., Jr., Hempstead, and R. M. Stephenson, Long Island City, N. Y., and W. E. Watson, West Orange, N. J., assignors to Allied Chemical & Dye Corporation. Manufacture of hydrogen fluoride. 2,456,509, Dec. 14.

Horsdal, Paul, Ottawa, Ontario, Canada. Steam and combustion gas turbine. 2,456,417, Dec. 14.

Horsfield, Basil, Florence, Ala., assignor to Orefraction Incorporated, Pittsburgh, Pa. Apparatus for electrostatic separation of material particles. 2,456,279, Dec. 14.

Houchin, John P. W.: *See*—
White, Eric L. C., Harker, and Houchin.

Houdry Process Corporation, assignee: *See*—
Mills, George A.

Houlton, Harold G., assignor to The Girdler Corporation, Louisville, Ky. Continuous process for the manufacture of synthetic resins. 2,456,192, Dec. 14.

Howell, Clifton W., and G. L. Elderbaum, Erwin, N. C. Pick controlled stop motion for looms. 2,456,193, Dec. 14.

Hoye, Peder B., Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Electrical load breaking device. 2,455,998, Dec. 14.

Hubbell, Harvey, Long Hill, Conn. Plug receptacle. 2,455,930, Dec. 14.

Hughes, Albert E., East Providence, R. I. Lead burning. 2,456,194, Dec. 14.

Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Making n-methyl aniline. 2,455,931, Dec. 14.

Hughes, Everett C., Cleveland Heights, assignor to The Stanard Oil Company, Cleveland, Ohio. Making aryl amines. 2,455,932, Dec. 14.

Hughes, Frank C., trustee, assignee: *See*—
Boughton, Willis A., Dawes, and Mansfield.

Hultquist, Martin E., and E. H. Northey, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. N'-dodecanoylsulfanilamides. 2,456,051, Dec. 14.

Humeston, Frederick L., Hamden, assignor to The High Standard Manufacturing Corporation, New Haven, Conn. Buffer device for firearms. 2,456,280, Dec. 14.

Hunt, Richard H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl acetal resin compositions. 2,456,413, Dec. 14.

Hurt, Hansford D., Pasadena, Calif. Fluid controlled feathering means for propellers. 2,456,510, Dec. 14.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Preparing organo-silicones. 2,455,999, Dec. 14.

Hyner, Jacob, Waterbury, Conn., assignor to United Chromium, Incorporated, New York, N. Y. Removing incrustations from lead anodes used for chromium plating. 2,456,281, Dec. 14.

Hyster Company, assignee: *See*—
Johnson, George V.

Iavelli, Teno: *See*—
Neracher, Carl A., Dunn, Iavelli, and Syrovy.

Iavelli, Teno, and V. E. Matulaitis, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,455,933, Dec. 14.

Imerman, Stanley, Detroit, Mich. Bushing and manufacturing same. 2,456,418, Dec. 14.

Imperial Chemical Industries Limited, assignee: *See*—
Lipscomb, Robert.

Induction Heating Corp., assignee: *See*—
Stevens, Nelson B., and Capolongo.

Ingalls, John M.: *See*—
Miller, Carroll E.

Ingersoll-Rand Company, assignee: *See*—
Kidney, Carleton B.
Naab, Julius.

Interchemical Corporation, assignee: *See*—
Gessler, Albert E., Grupe, Rolle, and Tuttle.

International Harvester Company, assignee: *See*—
Acton, Russel D.
Haratick, William H.
Manwaring, Howard S.
Vogel, Hilmond O.

International Nickel Company, Inc., The, assignee: *See*—
Buck, Mortimer P.

Irling, Joseph, Chicago, Ill. Curtain rod support. 2,456,000, Dec. 14.

Isserstedt, Siegfried G., Toronto, Ontario, Canada. Golf tee. 2,456,511, Dec. 14.

Iwanski, Emil F., Chicago, Ill. Thermometer and thermostatically operable electric signaling device. 2,456,062, Dec. 14.

Jack & Heinz Precision Industries, Inc., assignee: *See*—
Mueller, Siegfried E., Anderson, and Cacas.

Jackson, Alphonsus L., and H. A. Brown, St. Clair, Mo. Folding box. 2,456,419, Dec. 14.

Jackson, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Electronic direct-current control system. 2,456,420, Dec. 14.

Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Spherical type insulated container for liquefied gases. 2,456,195, Dec. 14.

Jacobs, James H., Boulder City, Nev., and W. H. Yarroll, Provo, Utah, assignors, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va. Electrolytic cell for recovering manganese. 2,456,196, Dec. 14.

Jaeger Machine Company, The, assignee: *See*—
Lamberton, Ralph E.

Jahrling, Robert J., Jamaica, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Dual crystal unit. 2,456,421, Dec. 14.

James, Emrys G., Pinner, England, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency oscillator. 2,456,422, Dec. 14.

James, Harold V., Denver, Colo. Tire retreading device. 2,456,053, Dec. 14.

Jamke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Inking system for printing machines. 2,456,282, Dec. 14.

Jasco, Incorporated, assignee: *See*—
Frolich, Per K.

Jefferson, George D., Kennett Square, Pa., assignor to Atlas Powder Company, Wilmington, Del. Textile wax compositions. 2,456,283, Dec. 14.

Jensen, Deane L., Blair, assignor to Farnam Company, Omaha, Nebr. Currying machine. 2,456,197, Dec. 14.

Jobst, Conrad, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Injection molding machine. 2,456,423, Dec. 14.

Johndrew, Wilbur, Buffalo, N. Y. Automatic multiple riveter. 2,456,125, Dec. 14.

Johndrew, Wilbur, Buffalo, N. Y. Auxiliary feeding attachment. 2,456,126, Dec. 14.

Johndrew, Wilbur, Buffalo, N. Y. Riveting machine. 2,456,127, Dec. 14.

Johnson, Arnold E., assignor to Arvey Corporation, Chicago, Ill. Display stand. 2,456,064, Dec. 14.

Johnson, Carl O.: *See*—
Barnard, Harlin W., Johnson, and Carey.

Johnson, Carl V.: *See*—
Doyle, Irving W., and Johnson.

Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shiftable rotary operative fastener. 2,456,559, Dec. 14.

Johnson, George V., assignor to Hyster Company, Portland, Oreg. Muffler for internal-combustion engines. 2,456,512, Dec. 14.

Johnson, S. C., & Son, Inc., assignee: *See*—
Rood, Clifford T.

Johnson, Theodore L., St. Louis, Mo. Molding of hollow articles. 2,456,513, Dec. 14.

Johnston, Deerland, Evanston, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y. Diazotype light-sensitive materials. 2,456,514, Dec. 14.

Jones, Frank D.: *See*—
West, James R., and Jones.

Jones, George E., Weston-super-Mare, England. Hypodermic ampoule syringe. 2,456,001, Dec. 14.

Jones & Lamson Machine Company, assignee: *See*—
Tuncred, William L.

Jonette, Charles, Dawson City, Yukon, Canada. Ski brake. 2,456,002, Dec. 14.

Jordan, Homer G., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Plume for air laid wire. 2,456,284, Dec. 14.

Jordan, Rollie H.: *See*—
Creson, William K., and Jordan.

Jost, Matyas J., assignor to Just Manufacturing Company, Chicago, Ill. Sink. 2,456,065, Dec. 14.

Joyce, Robert M., Jr.: *See*—
Cairns, Thomas L., and Joyce, Jr.

Just Manufacturing Company, assignee: *See*—
Just, Matyas J.

Kamlet, Jonas, New York, N. Y. and R. P. Reece, Highland Park, assignor to Thiokol Corporation, Trenton, N. J. Animal feed composition. 2,456,515, Dec. 14.

Kamper, John S., Demopolis, Ala. Concrete feed and fertilizer mixer. 2,456,285, Dec. 14.

Kavanaugh, Harry H.: *See*—
Fellay, Louis J., and Kavanaugh.

Keith, Glenn, East Detroit, assignor of one-fourth to M. M. Weinstein, one-tenth to E. Goldberg, one-tenth to H. Weinstein, one-tenth to B. B. Covent, and one-tenth to W. Mintz, Detroit, Mich. Receptacle closure means. 2,456,560, Dec. 14.

Kelleher, Francis W., Lynn, Mass. Chuck operating mechanism. 2,455,934, Dec. 14.

Keller, Charles N., Dayton, Ohio. Voltage regulator. 2,455,935, Dec. 14.

Kellogg, M. W., Company, The, assignee: *See*—
Borcherding, Walter H.

Kellogg Switchboard and Supply Company, assignee: *See*—
Bellamy, John I.

Kempton, Leslie A., assignor to The Dole Valve Company, Chicago, Ill. Member sealing means. 2,456,066, Dec. 14.

Kennelly, Jeremiah D., Oak Park, Ill. Low brake pressure signal device. 2,456,286, Dec. 14.

Kennelly, Jeremiah D., Oak Park, Ill. Warning light for vehicles. 2,456,287, Dec. 14.

Kern, Jean G., Orchard Park, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Process of dyeing nylon-acetate mixed fabric with 3-nitro-4-amino-2'-chlorobiphenyl. 2,456,288, Dec. 14.

Kerr, Earl G.: *See*—
Allen, Harry L., and Kerr.

Kessler, Joseph S., assignor to Tri-Clover Machine Co., Kenosha, Wis. Pump and impeller therefor. 2,456,128, Dec. 14

Ketarome Limited, assignee: *See*—
Weizmann, Charles.

Ketelsen, Peter: *See*—
Giwosky, Harry L., and Ketelsen.

Kettering, Charles F., and A. W. Fischer, assignors to General Motors Corporation, Detroit, Mich. Control. 2,456,198, Dec. 14.

Kidney, Carleton B., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Locking and adjusting device. 2,456,516, Dec. 14.

Knepflar, John C.: *See*—
Alling, E. Roy, and Knepflar.

Knutson, Lester T., Minneapolis, Minn. Universal indicator support. 2,456,003, Dec. 14.

Kofalt, Joseph A.: *See*—
Wheeler, Harold R., and Kofalt.

Konigstein, Marianne: *See*—
Bergel, Franz, Morrison, Moss, Konigstein, and Rinderknecht.

Koppenhoefer, Robert M., Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Soluble oil composition. 2,456,587, Dec. 14.

Koppers Company, Inc., assignee: *See*—
Fair, William F., Jr.

Kranzfelder, Arthur L.: *See*—
Cisiak, Francis E. and Kranzfelder.

Krogh, Ralph E., Detroit, Mich. Visor document clip. 2,456,129, Dec. 14.

Kuhlman, Theodore C., Detroit, Mich. Centrifugal casting machine. 2,456,067, Dec. 14.

La Cour, Fritz: *See*—
Hendrickson, Emil G., and La Cour.

Ladd, Elbert C., Passaic, and H. W. Paxton, Lodi, N. J., assignors to United States Rubber Company, New York, N. Y. Cyanoethyl, aceto-succinic acid esters. 2,456,517, Dec. 14.

Lagasse, Alfred, assignee: *See*—
Moore, Guy S.

Laidley, Clarence D.: *See*—
Drane, Phillips B., and Laidley.

Laing, Marvin R.: *See*—
Malek, Sidney K., and Laing.

Lake, George B., Long Beach, and J. M. McDowell, Wilmington, assignors to Union Oil Company of California, Los Angeles, Calif. Azeotropic separation of xylene isomers. 2,456,561, Dec. 14.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Generator control system. 2,456,199, Dec. 14.

Lamberton, Ralph E., Worthington, assignor to The Jaeger Machine Company, Columbus, Ohio. Pipe union for air compressors. 2,456,200, Dec. 14.

Lambertsen, Christian J., Scotch Plains, N. J. Breathing apparatus. 2,456,130, Dec. 14.

Landis Tool Company, assignee: *See*—
Price, Ralph E.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Draft control means for fuel burners. 2,456,131, Dec. 14.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,456,132, Dec. 14.

Larkin, Charles A., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Apparatus for handling metal sheets. 2,456,004, Dec. 14.

Laubereau, Otto: *See*—
Dohrn, Max, and Laubereau.

Laubin, Clarence W.: *See*—
Beardsley, Guy E., Jr., and Laubin.

Laufer, Maurice K.: *See*—
Roper, John M., and Laufer.

Lawrence Products Co., assignee: *See*—
Pruitt, Willis.

Leach Company, assignee: *See*—
Manthie, Otto F.

Lee, Hoard, Houston, Tex. Heating element. 2,456,201, Dec. 14.

Lee, Hoard, Houston, Tex. Heating unit. 2,456,202, Dec. 14.

Leeds and Northrup Company, assignee: *See*—
Enns, John H.

Lehigh Portland Cement Company, assignee: *See*—
McCoy, Walter J.

Les Usines De Melle (Societe Anonyme), assignee: *See*—
Guinot, Henri M.

Lewis, Alfred H., Huntington Woods, assignor to Swift Electric Welder Company, Detroit, Mich. Flash trimming machine. 2,456,432, Dec. 14.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Simons, John K.
Walter, Henry A.
Weaver, Weldome I.

Libby, A. D. T., assignee: *See*—
Caruso, Rocco P.

Liben, Jay, New York, N. Y. Dispenser for stacked articles. 2,456,068, Dec. 14.

Lieberman, Samuel Y.: *See*—
Mueller, George P., Stiller, and Lieberman.

Liguori, Anthony: *See*—
Shenk, Eugene R., and Liguori.

Lindman, Emrik I., Ronninge, Sweden. Safety device for air bombs. 2,456,289, Dec. 14.

Lindsay, Duncan D., Scunthorpe, England. Manually operated vapor compression sea water still. 2,456,562, Dec. 14.

Lipscomb, Robert, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Pump for gaseous working fluids. 2,456,133, Dec. 14.

Livingston, Herbert K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Adjusting the pH of synthetic elastomer latices. 2,456,069, Dec. 14.

Ljutic, Albert V., Verona, Calif. Gas-operated automatic rifle. 2,456,290, Dec. 14.

Locke, Arthur A., assignee: *See*—
Patrick, Lawrence M.

Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Coupling for tubular members. 2,456,203, Dec. 14.

Lofgreen, Carl H., New York, assignor to Equitable Paper Bag Co. Inc., Long Island City, N. Y. Machine for applying fasteners to web material. 2,456,433, Dec. 14.

Lofton, Edgar K., Lake Bluff, Ill., assignor to The Dayton Rubber Company. V-Flat drive. 2,456,518, Dec. 14.

Long, Ralph B., Flint, Mich. Folding stool supporting structure. 2,456,519, Dec. 14.

Loughren, Arthur V., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Inverter system. 2,456,204, Dec. 14.

Loverde, Anthony, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of organic mercaptans. 2,456,588, Dec. 14.

Lowe, Wesley G., assignor to Eastman Kodak Company, Rochester, N. Y. Gelling of polyvinyl alcohol coatings. 2,455,936, Dec. 14.

Lowe, Wesley G., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of hardened polyvinyl alcohol coatings. 2,455,937, Dec. 14.

Lueneburg, Walter C., Evanston, assignor to Ekco Products Company, Chicago, Ill. Pressure cooker cover structure. 2,456,134, Dec. 14.

Lytle, Lawrence D., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Gray vat dyestuffs and method of making the same. 2,456,589, Dec. 14.

Macdonald, Kenneth W., Winchester, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe support. 2,456,135, Dec. 14.

MacKinnon, John C., Wellesley, and W. R. Hickler, Winthrop, Mass., assignors to The B. F. Goodrich Company, New York, N. Y. Aircraft structural material and making the same. 2,456,005, Dec. 14.

Magder, Jesse, Toronto, Ontario, Canada. Ski pole. 2,456,205, Dec. 14.

Magnetic Devices, Inc., assignee: *See*—
Price, Osborne I.

Malek, Sidney K., and M. R. Laing, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermoelectric generator with fluid cooling. 2,456,070, Dec. 14.

Mallory, P. R., & Co., Inc., assignee: *See*—
Wall, Alexander C.

Malone, Homer F., assignor of one-half to F. D. Ross, Chicago, Ill. Toaster. 2,456,291, Dec. 14.

Manegold, Robert L., Shorewood, and I. H. Wynne, assignors to Dings Magnetic Separator Co., Milwaukee, Wis. Art of sintering ores. 2,456,136, Dec. 14.

Mann, Estie R.: *See*—
Goldsmith, Thomas T., Jr., and Mann.

Mansfield, William R.: *See*—
Boughton, Willis A., Dawes, and Mansfield.

Manthie, Otto F., assignor to Leach Company, Oshkosh, Wis. Self-loading vehicle. 2,456,434, Dec. 14.

Manwaring, Howard S., La Grange, Ill., assignor to International Harvester Company. Liquid filtering apparatus. 2,456,292, Dec. 14.

Marchand, Adamir, La Chaux de Fonds, Switzerland, assignor to Benrus Watch Company, Inc., New York, N. Y. Shock-absorbing device for pivots of watch balance staffs. 2,456,071, Dec. 14.

Maresco, Joseph G., Bronx, N. Y. Caster. 2,456,520, Dec. 14.

Marini, Costanzo, Leominster, Mass. Comb. 2,456,138, Dec. 14.

Marisic, Milton M., Northfield, assignor to The Pure Oil Company, Chicago, Ill. Conversion of hydrocarbons in the presence of a catalyst and calcium oxide together with steam and/or carbon dioxide. 2,456,072, Dec. 14.

Markell, Stanley, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Semirimless ophthalmic mounting. 2,456,293, Dec. 14.

Marsh, John W., Arlington, Va., assignor to Apex Railway Products Co., Chicago, Ill. Air brake apparatus. 2,456,137, Dec. 14.

Marsilius, Newman M., Trumbull, Conn. Index head. 2,456,007, Dec. 14.

Martin, Don S., Jr., Santa Fe, N. Mex., N. D. Nachtrieb, Chicago, Ill., and J. E. Seegmiller, Salt Lake City, Utah, assignors to the United States of America as represented by the Secretary of the Navy. Inert gas eliminator for high altitude oxygen apparatus. 2,456,606, Dec. 14.

Martin, William M. River Forest, Ill., assignor to American Can Company, New York, N. Y. Making tubular container bodies with solderless six-layer side seams. 2,455,938, Dec. 14.

Martinelli, Guy, and H. M. McMann, Indianapolis, Ind., said McMann assignor to said Martinelli. Splash guard. 2,456,206, Dec. 14.

Martinet, Roger: *See*—
Morane, Roger, and Martinet.

Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Underwater sound transmitter or receiver. 2,456,294, Dec. 14.

Mast, William C., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Coating compositions. 2,456,295, Dec. 14.

Masts Limited, assignee: *See*—
Finer, Henry J.

Matulaitis, Victor E.: *See*—
Iavelli, Teno, and Matulaitis.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,456,435, Dec. 14.

Maxson Corporation, W. L., The, assignee: *See*—
McLaren, Peter J., Vaughan, and Fry.

Maxwell, Bernard T., Fairport, N. Y. Prism system and prism system mount for optical viewing instruments. 2,456,521, Dec. 14.

McBride, John W., Burbank, Calif. Musical instrument. 2,456,008, Dec. 14.

McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency electronic tube. 2,456,563, Dec. 14.

McCoy, Walter J., Catasauqua, Pa., assignor to Lehigh Portland Cement Company, Allentown, Pa. Light weight aggregate and producing same. 2,456,207, Dec. 14.

McDill, Rex D., Cleveland Heights, Ohio. Visual inspection projection apparatus. 2,456,296, Dec. 14.

McDowell, Josephine M.: *See*—
Lake, George R., and McDowell.

McGarr, Walter J., Cordele, Ga. Posthole digger. 2,456,208, Dec. 14.

McGraw Electric Company, assignee: *See*—
Osterheld, Clark M.

McLane, Jack S., Columbia, S. C. Friction-rotary blotting device for duplicating machines. 2,456,009, Dec. 14.

McLaren, Peter J., deceased, by Central Hanover Bank and Trust Company, executor, New York, J. A. Vaughan, Hempstead, N. Y., and M. Fry, Harrington Park, N. J.; said McLaren, Vaughan, and Fry assignors, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Continuously adjustable speed electric drive. 2,456,522, Dec. 14.

McMann, Harry M.: *See*—
Martinelli, Guy.

McNeill, H. H., Lumber Co., Inc., assignee: *See*—
Brewer, Oscar Z.

Mead, John H., Kalamazoo, Mich. Banding machine. 2,456,523, Dec. 14.

Mechanite Metal Corporation, assignee: *See*—
Smalley, Oliver.

Meincke, Howard D., Jr., assignor to H. D. Meincke, Sr., Glencoe, Ill. Apparatus suitable for use in the treatment of water containing chlorides dissolved therein. 2,456,524, Dec. 14.

Meincke, Howard D., Sr., assignee: *See*—
Meincke, Howard D., Jr.

Mellers, Eric V.: *See*—
Fallows, Leonard, and Mellers.

Melnick, Daniel, Kew Gardens Hills, N. Y., assignor, by mesne assignments, to Food Research Laboratories, Inc. Protein hydrolysis. 2,456,297, Dec. 14.

Meredith, Frederick W., London, England, assignor to S. Smith & Sons (England) Limited. Device for detecting turn or measuring rate of turn. 2,455,939, Dec. 14.

Merritt, Glenn W., assignor to The Mining Safety Device Company, Bowerston, Ohio. Car-dumping apparatus. 2,456,209, Dec. 14.

Metallurgical Processes Co., assignee: *See*—
Thomas, Charles E., Felter, and Ness.

Metzger, Edmund C., Chicago, Ill. Envelope opener. 2,456,436, Dec. 14.

Meyer, Wm., Company, The, assignee: *See*—
Wehmer, Bruno F.

Mica Patents Trust, The: *See*—
Boughton, Willis A., and Dawes, and Mansfield.

Miles, Gilbert D., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Nondusting soap composition and making the same. 2,456,437, Dec. 14.

Miller, Carroll E., and J. M. Ingalls, assignors to Cone Automatic Machine Company Inc., Windsor, Vt. Multiple spindle lathe. 2,456,139, Dec. 14.

Miller, Dola F., and F. Puslecki, San Francisco, Calif. Nonskid device applier and remover. 2,456,438, Dec. 14.

Miller, Fred T.: *See*—
Miller, Paul L. and F. T.

Miller, Gustav F., Tacoma, Wash. Permutation ignition switch. 2,456,010, Dec. 14.

Miller, Henry C., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Unsaturated esters of benzenediacetic acids and their polymers. 2,456,210, Dec. 14.

Miller, Joseph C., Compton, Calif., assignor to Coast Envelope & Leather Products Company. Billfold. 2,456,300, Dec. 14.

Miller, Jules, Atlantic City, N. J. Reversible reed for wind instruments. 2,456,298, Dec. 14.

Miller, Jules, Atlantic City, N. J. Perforated reed for wind instruments. 2,456,299, Dec. 14.

Miller, Paul L. and F. T., Clearwater, S. C., assignors to United Merchants & Manufacturers, Inc., Wilmington, Del. Process and apparatus for drying textiles. 2,456,301, Dec. 14.

Miller Spreader Corporation, The, assignee: *See*—
Andrews, Edward F.

Mills, George A., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Supported sodium catalyst and preparation thereof. 2,456,525, Dec. 14.

Milsteel Products Co., assignee: *See*—
Busch, Fred, and Nelson.

Mining Safety Device Company, The, assignee: *See*—
Merritt, Glenn W.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Malek, Sidney K., and Laing.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Simons, Joseph H.

Mintz, William, assignee: *See*—
Keith, Glenn.

Mocnik, Ladimer M., Cleveland, Ohio. Supporting device. 2,456,302, Dec. 14.

Modine Manufacturing Company, assignee: *See*—
Dixon, Arthur G.

Mogan, James E., Denver, Colo. Clothes rack for automobiles. 2,456,303, Dec. 14.

Monsanto Chemical Company, assignee: *See*—
Glick, Sanford E.
Hunt, Richard H.
Park, Harold F.
Scott, Milton J.
Scott, Milton J., and Rider.

Moore Corporation, The, assignee: *See*—
Stuckey, Warren A., and Gregurich.

Moore, Guy S., Fall River, assignor to A. Lagasse, Boston, Mass. Tie rack. 2,456,527, Dec. 14.

Moore, Samuel, & Company, assignee: *See*—
Austin, Dwight E.

Morane, Roger, Paris, and R. Martinet, Ville D'Avray, France. Machine for the manufacture of metal grains. 2,456,439, Dec. 14.

Morberg, Kenneth F., assignor to H. A. Torstenson, Chicago, Ill. Tacker. 2,456,526, Dec. 14.

Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. 4-amino-4-methylvaleroalkylamides and preparing same. 2,456,590, Dec. 14.

Morin, Louis H., Bronx, N. Y. Forming coaxial cables. 2,456,304, Dec. 14.

Morrill, Horace M., Pontiac, Mich. Propelling device. 2,456,440, Dec. 14.

Morrison, Alexander L.: *See*—
Bergel, Franz, Morrison, Moss, Konigstein, and Rinderknecht.

Morrison, Montford, Upper Montclair, N. J. Electronic tube motor device. 2,456,441, Dec. 14.

Morrison, Montford, Upper Montclair, N. J. Electromechanical oscillator. 2,456,442, Dec. 14.

Moss, Albert R.: *See*—
Bergel, Franz, Morrison, Moss, Konigstein, and Rinderknecht.

Moyle, Robert J., Innisfail, Queensland, Australia. Stationary cutter with rotary drum feed for cutting sugar cane into seed lengths. 2,456,528, Dec. 14.

Mueller, George P., E. T. Stiller, and S. V. Lieberman, assignors to Wyeth Incorporated, Philadelphia, Pa. Preparing nordihydroguaiaretic acid and intermediates. 2,456,443, Dec. 14.

Mueller, Siegfried E., East Cleveland, G. V. Anderson, Shaker Heights, and A. Dacas, assignors, by mesne assignments, to Jack & Heinz Precision Industries, Inc., Cleveland, Ohio. Adjustable chamfering device. 2,456,140, Dec. 14.

Muller, Otto, Bronx, N. Y. Fluid heater. 2,456,564, Dec. 14.

Muskat, Morris: *See*—
Coggeshall, Norman D., and Muskat.

Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Geophysical exploration by microwaves. 2,455,940, Dec. 14.

Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Geophysical prospecting in boreholes by microwaves. 2,455,941, Dec. 14.

Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Method of and apparatus for measuring the electrical properties and surface characteristics of materials. 2,456,012, Dec. 14.

Musser, Clarence W., Philadelphia, Pa. Apparatus for aligning preengraved projectiles in rifled firearms. 2,456,011, Dec. 14.

Myerson, Simon, Brookline, Mass. Apparatus for extrusion molding of plastic articles. 2,456,141, Dec. 14.

Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Sealing device. 2,456,529, Dec. 14.

Nachtrieb, Norman D.: *See*—
Martin, Don S., Jr., Nachtrieb, and Seegmiller.

Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Fluid pressure servomotor. 2,456,211, Dec. 14.

National Carbon Company, Inc., assignee: *See*—
Winter, Lester L.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Anderson, Milton B.
Martin, Don S., Jr., Nachtrieb, and Seegmiller.
Schuck, Oscar H.
Sweenes, Benjamin A.
Wilson, Finley B.

Neaves, Ernest J., Boston, Mass. Trouser hanger. 2,456,014, Dec. 14.

Neiman, Robert, assignor to E. A. Steinbock, Louisville, Ky. Producing commercial castings. 2,456,424, Dec. 14.

Nelson, Adelbert M., deceased, by M. Witt, executrix, Milwaukee, Wis. Collapsible trailer. 2,456,013, Dec. 14.

Nelson, August J.: *See*—
Busch, Fred, and Nelson.

Nelson, Wilbur L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Closure device for crystal converters. 2,456,305, Dec. 14.

Nemec, Frantisek, Prague-Brevnov, Czechoslovakia. Device for the mutual and detachable support of two objects. 2,456,425, Dec. 14.

Nemeth, Otto R., Chicago, Ill. Projector lamp housing and cooling system therefor. 2,456,530, Dec. 14.

Neracher, Carl A., W. T. Dunn, T. Iavelli, and A. J. Syrovy, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,455,943, Dec. 14.

Ness, Harold J.: *See*—
Thomas, Charles E., Felter, and Ness.

Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tube or ball mill with cooled trunnion. 2,456,073, Dec. 14.

Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Overload responsive system for controlling feed and operation of crushing apparatus. 2,456,074, Dec. 14.

Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rod deck screen with rubber-covered cylindrical clamping means. 2,456,075, Dec. 14.

Ney, Edward P.: *See*—
Nier, Alfred O. C., and Ney.

Nicholson, Edward W. S., Baton Rouge, La., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils with finely divided catalyst. 2,456,306, Dec. 14.

Nickel Cadmium Battery Corporation, assignee: *See*—
Berg, Carl and M.

Nier, Alfred O. C., New York, N. Y., and E. P. Ney, Charlottesville, Va., assignors to the United States of America, as represented by the United States Atomic Energy Commission. Mass spectrometer system. 2,456,426, Dec. 14.

Noblett, Wayland J., Long Beach, Calif. Can opener. 2,456,307, Dec. 14.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Expansible tunnel fish canning machine. 2,455,944, Dec. 14.

North, Anna P.: *See*—
North, Charles E. and A. P.

North, Charles E. and A. P., Montclair, N. J. Apparatus for breaking and making emulsions. 2,455,945, Dec. 14.

Northey, Elmore H.: *See*—
Hultquist, Martin E., and Northey.

O'Brien, James E., Cleveland, Ohio. Locomotive coaling apparatus. 2,456,308, Dec. 14.

Odén, Knut, assignor to Aktiebolaget Hadar Schmidt, Stockholm, Sweden. Postal franking machine. 2,456,309, Dec. 14.

Ofeldt, Frank W., assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa. Multiple spark circuit. 2,456,076, Dec. 14.

Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Protective system for electric motors. 2,456,427, Dec. 14.

Oil Center Tool Company, assignee: *See*—
Penick, Arthur J.

Orefraction Incorporated, assignee: *See*—
Horsfield, Basil.

Orr, Franklin M., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Operation of a fluid catalytic conversion unit. 2,456,310, Dec. 14.

Orser, Keith L., assignor to Columbian Rope Company, Auburn, N. Y. Electrical conductor. 2,456,015, Dec. 14.

Orshansky, Elias, Jr., New York, N. Y., assignor to The Acrotorque Company, Stamford, Conn. Hydraulic transmission. 2,456,077, Dec. 14.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater. 2,456,143, Dec. 14.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater. 2,456,144, Dec. 14.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Thermal retarder. 2,456,152, Dec. 14.

Otto, Merritt M.: *See*—
Cislak, Francis E., and Otto.

Owen, Robert P., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Keyed oscillator. 2,456,016, Dec. 14.

Owens-Illinois Glass Company, assignee: *See*—
Jobst, Conrad.

Ozark-Mahoning Company, assignee: *See*—
Stengl, Rudolph J., and Bedwell.

Paget, Bertie K., Detroit, Mich. Ventilator. 2,456,311, Dec. 14.

Paget, Bertie K., Detroit, Mich. Ventilator. 2,456,312, Dec. 14.

Paille, Eugene, Los Angeles, assignor to General Controls Co., Glendale, Calif. Manual reset valve. 2,456,078, Dec. 14.

Panhandle Eastern Pipe Line Company, assignee: *See*—
Young, Farrile S.

Pardee, Curtis G.: *See*—
Hoern, Joseph H., and Pardee.

Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized vinyl resin. 2,456,565, Dec. 14.

Park, Marion A., St. Louis, Mo. Polio exercising machine. 2,456,017, Dec. 14.

Parke, Davis & Company, assignee: *See*—
Rieveschl, George, Jr.

Parker, James H., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Polyallyl amine and related polymeric amines. 2,456,428, Dec. 14.

Parker, John W., Grosse Pointe, Mich. Surface grinder. 2,456,079, Dec. 14.

Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machines. 2,456,591, Dec. 14.

Parsons, John B., Toledo, Ohio. Actuating mechanism for refrigerator tops or the like. 2,456,429, Dec. 14.

Patent License Corporation, assignee: *See*—
Arenberg, Albert L.

Patrick, Lawrence M., assignor of one-third to A. A. Locke and one-third to R. F. Ternes, Detroit, Mich. Regulator. 2,456,212, Dec. 14.

Patterson, Edgar W., Downey, Calif. Setback means for pumping units. 2,456,531, Dec. 14.

Patterson, Franklin G., Schenectady, N. Y., and M. W. Sims, Fort Wayne, Ind., assignors to General Electric Company. Telemetering apparatus. 2,456,430, Dec. 14.

Paxton, Gerald C.: *See*—
Stilwell, Glenn E., and Paxton.

Paxton, Homer W.: *See*—
Ladd, Elbert C., and Paxton.

Payne, John W.: *See*—
Bodkin, Ernest A., and Payne.

Pe, Wu, Nanking, China. Ignition plug. 2,456,080, Dec. 14.

Pearson, Otto H., assignor to L. N. Strike, Salt Lake City, Utah. Pressing machine tail clamp. 2,456,145, Dec. 14.

Pelc, Stanley, Sharon, Pa. Diesel engine air meter. 2,456,213, Dec. 14.

Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Well-head seal. 2,456,081, Dec. 14.

Penn Electric Switch Co., assignee: *See*—
Schell, Paul.

Perazzo, Peter L., Napa, Calif. Rod bender. 2,456,532, Dec. 14.

Peroutky, Donald C.: *See*—
Wargin, Edward F., and Harkness, and Peroutky.

Perry, Charles, Bexley, England, assignor to Vickers-Armstrongs Limited. Cam profiling machine. 2,456,146, Dec. 14.

Personal Products Corporation, The, assignee: *See*—
Ganz, Henry.

Pessel, Leopold, Philadelphia, Pa., assignor to Radio Corporation of America. Art of metallizing nonmetallic bodies. 2,456,082, Dec. 14.

Peters, George E., and L. E. Russell, assignors to Peters & Russell, Inc., Springfield, Ohio. Pump. 2,455,946, Dec. 14.

Peters & Russell, Inc., assignee: *See*—
Peters, George E., and Russell.

Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Timing device. 2,456,018, Dec. 14.

Petruschell, Lucius P., Mount Dora, Fla., assignor to Dictaphone Corporation, New York, N. Y. Commercial phonograph signal device. 2,456,592, Dec. 14.

Pettipiece, John J., Powell, Wyo. Motor attachment for tractors. 2,456,019, Dec. 14.

Philco Corporation, assignee: *See*—
Bocciarelli, Carlo V.
Sunstein, David E.

Phillips Petroleum Company, assignee: *See*—
Gibbs, Frank C., Jr., Baird, and Brosamer.
Matuszak, Maryan P.
Waddill, Paul M.
Wobker, Burle F.

Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—
Goldfield, Edwin R., and Schiring.

Pitney-Bowes, Inc., assignee: *See*—
Heyel, Frederick W.
Rouan, Francis J., and Uthenwoldt.

Pittsburgh-Des Moines Company, assignee: *See*—
Jackson, James O.

Plank, Norris, East Chicago, Ind., assignorto Shell Development Company, San Francisco, Calif. Reverse flow bypass valve. 2,456,566, Dec. 14.

Poe, Bryce, Kansas City, Mo. Peep sight for firearms. 2,456,214, Dec. 14.

Poitras, Edward J., Pasadena, Calif., and J. D. Tear, Great Neck, assignors to Ford Instrument Company, Inc., Long Island, N. Y. Gyroscope precessor and follow-up. 2,456,020, Dec. 14.

Polak, Joseph F., Newark, N. J., assignor to Monroe Sherman, New York, N. Y. Silver brazing alloy containing indium. 2,456,593, Dec. 14.

Polak, Joseph F., Newark, N. J., assignor to Monroe Sherman, New York, N. Y. Brazing alloy. 2,456,594, Dec. 14.

Polymerisable Products Limited, assignee: *See*—
Weizmann, Charles.

Pratt, Burt C., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigment compositions. 2,456,313, Dec. 14.

Pratt, Burt C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Saturated linear polyesters of mercaptodicarboxylic acids with dihydric alcohols. 2,456,314, Dec. 14.

Premier Crystal Laboratories, Incorporated, assignee: *See*—
Jahrling, Robert J.

Preston, Nell D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic control system for railroads. 2,456,533, Dec. 14.

Price, Nathan C., Hollywood, Calif., assignor to Boeing Airplane Company. Pressure-regulating control mechanism. 2,456,215, Dec. 14.

Price, Osborne I., assignor to Magnetic Devices, Inc., Frederick, Md. Electrically controled switch. 2,455,947, Dec. 14.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Valve means to compensate for viscosity in hydraulic systems. 2,456,431, Dec. 14.

Prichard, William W., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making amines. 2,456,315, Dec. 14.

Priestley, Kenneth D., Campbell, Calif. Irrigation ridge blocker. 2,456,083, Dec. 14.

Prill, Edward A., Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Producing α-ethylpiperonyl ethers. 2,456,316, Dec. 14.

Pruitt, Willis, assignor to Lawrence Products Co., Attalla, Ala. Stop motion mechanism for narrow fabric looms. 2,456,021, Dec. 14.

Puchner, Irving A., assignee: *See*—
Elliott, Gordon R.

Purdue Research Foundation, assignee: *See*—
Hass, Henry B., and Bourland.

Pure Oil Company, The, assignee: *See*—
Marisic, Milton M.
Stadtherr, John J.

Pusiecki, Frank: *See*—
Miller, Dola F., and Pusiecki.

Rabinow, Jacob, Washington, D. C. Automatic focusing of cameras. 2,456,317, Dec. 14.

Radio Corporation of America, assignee: *See*—
Brown, George W.
Brunside, Don G.
Conklin, James W.
Goble, George H.
Harvey, Robert L.
Pessel, Leopold.
Shenk, Eugene R., and Liguori.
Snyder, Richard L., Jr.

Ralston, Eldon K.: *See*—
Skelly, James J., and Ralston.

Ramler, Edward O., North Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of p-di(omega-hydroxy-alkoxy) benzenes. 2,456,318, Dec. 14.

Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Hydraulic control system for airplanes. 2,455,948, Dec. 14.

Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Fluid control valve. 2,456,084, Dec. 14.

Ray, William A., Glendale, Calif., assignor to General Controls Co. Burner control system. 2,456,147, Dec. 14.

Raytheon Manufacturing Company, assignee: *See*—
Schmidt, Robert C.
Spencer, Percy L.

Read, Davis, Jr., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Stripping of spent catalyst in hydrocarbon conversion processes. 2,456,148, Dec. 14.

Read, Henry R., Queens Village, N. Y. Safety wrist watch strap. 2,456,319, Dec. 14.

Rebo, Noreen C., Gorin, Mo. Manicure apparatus. 2,456,022, Dec. 14.

Reece, Ralph P.: *See*—
Kamlet, Jonas, and Reece.

Rees, Gladys and J., Chicago, Ill. Article-holding device. 2,456,445, Dec. 14.

Rees, Janet: *See*—
Rees, Gladys and J.

Reichhold Chemicals, Inc., assignee: *See*—
Hewett, Philip S.

Reid, Chester L.: *See*—
Reid, Ralph W. and C. L.

Reid, Ralph W. and C. L., assignors to J. R. Brant, Indianapolis, Ind. Electric motor powered wheel drive and control for tool carriages. 2,456,444, Dec. 14.

Reilly Tar & Chemical Corporation, assignee: *See*—
Cislak, Francis E., and Otto.

Repke, Edward P., Coloma, assignor to The Ross Carrier Company, Benton Harbor, Mich. Lift truck. 2,456,320, Dec. 14.

Republic Flow Meters Company, assignee: *See*—
Ackley, Robert A.

Rhodes, Harold B., Los Angeles, Calif. Piano dampening mechanism. 2,456,321, Dec. 14.

Rice and Adams Corporation, assignee: *See*—
Alling, E. Roy, and Knepflar.

Richardson, Marshall L., Wakefield, Mass. Simulated golf target unit. 2,456,322, Dec. 14.

Richter, Henry J., Glen Ellyn, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorine-containing vinyl resins stabilized with a tri-(2-alkenyl)-phosphite and a 1,2-epoxy compound. 2,456,216, Dec. 14.

Rider, Stuart H.: *See*—
Scott, Milton J., and Rider.

Riedele, Andrew P., Los Angeles, Calif. Ventilated toilet. 2,456,534, Dec. 14.

Riegel Paper Corporation, assignee: *See*—
Bidwell, George L.

Rieske, Otto G., Buffalo, N. Y. Coconut peeling machine having rotary radial cutter blades with fan portions. 2,456,446, Dec. 14.

Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Dialkylaminoalkyl benzhydryl ethers and salts thereof. 2,455,949, Dec. 14.

Rinderknecht, Heinrich: *See*—
Bergel, Franz, Morrison, Moss, Konigstein, and Rinderknecht.

Ringle, Charles J., and Roy W. Smith, Buffalo, N. Y., assignors to Williams Gold Refining Company, Inc. Dental surveying instrument. 2,456,447, Dec. 14.

Risser, Jacob R., Belmont, and R. J. Wlodkowski, Attleboro, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radiating horn. 2,456,323, Dec. 14.

Robinson, Bestor, United States Army, Oakland, Calif. Portable stove for burning liquid fuel and burner control mechanism therefor. 2,455,950, Dec. 14.

Rocky Mountain Metal Products Co., assignee: *See*—
Brusse, Archie B.

Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Device for splicing cable. 2,456,149, Dec. 14.

Roessner, William L., Denver, Colo. Insecticide dispenser. 2,456,324, Dec. 14.

Rohm & Haas Company, assignee: *See*—
Rowland, Stanley P.

Rolle, Clifford J.: *See*—
Gessler, Albert E., Grupe, Rolle, and Tuttle.

Rood, Clifford T., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Solid water-repellency composition. 2,456,595, Dec. 14.

Roper, John M., Washington, D. C., and M. K. Laufer, Chevy Chase, Md. Instrument lighting. 2,455,951, Dec. 14.

Rosenbalm, Isaac L., Inglewood, Calif. Tennis racket. 2,456,023, Dec. 14.

Ross Carrier Company, The, assignee: *See*—
Repke, Edward P.

Ross, Frank D., assignee: *See*—
Malone, Homer F.

Ross Gear & Tool Company, assignee: *See*—
Creson, William K., and Jordan.

Ross, Robert M., Katonah, N. Y. Receptacle closure. 2,456,448, Dec. 14.

Rothrock, Linville L., Thomasville, N. C. Sanding machine. 2,456,217, Dec. 14.

Rouan, Francis J., Stamford, and F. W. Uthenwoldt, Glenbrook, assignors to Pitney-Bowes, Inc., Stamford, Conn. Card stripping and feeding device. 2,456,449, Dec. 14.

Rowen, Irving, Bronx, assignor to Glen Jewelry Company, Inc., New York, N. Y. Clasp. 2,456,596, Dec. 14.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange resins prepared by condensing sulfophthalic anhydride and xylene. 2,456,085, Dec. 14.

Rowley, Garold N., Fort Pierce, Fla. Grinding apparatus with upper gyratory drive. 2,456,150, Dec. 14.

Roy, Albert E., Glendale, Calif. Pressure cylinder for hydraulic brakes. 2,456,325, Dec. 14.

Rundell, Raymond R., Miami, Fla. Universal all wire bracket. 2,456,535, Dec. 14.

Rupp, Walter H., Mountainside, and C. T. Harding, Hillside, N. J., assignors to Standard Oil Development Company. Preparation of supported aluminum chloride catalysts. 2,456,326, Dec. 14.

Russell, Linus E.: *See*—
Peters, George E., and Russell.

Sandoz Ltd., assignee: *See*—
Gutzwiller, Ernst.

Sauter, Joseph H., Rutherford, N. J., and J. E. Byrne, New Rochelle, assignors to General Baking Company, New York, N. Y. Method of and means for slabbing cakes. 2,456,327, Dec. 14.

Sauter, Joseph L., Poughkeepsie, N. Y. Switch box holder. 2,456,450, Dec. 14.

Sawyer, James G., Williamsville, N. Y., assignor to Curtiss-Wright Corporation. Aircraft engine cooling system. 2,456,151, Dec. 14.

Schell, Paul, Elkhart, assignor to Penn Electric Switch Co., Goshen, Ind. Thermal cutout. 2,456,153, Dec. 14.

Schiring, Ralph C.: *See*—
Goldfield, Edwin R., and Schiring.

Schlesman, Carleton H., Camden, W. I. Denton, Woodbury, and R. B. Bishop, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of phenol by catalytic oxidation of benzene. 2,456,597, Dec. 14.

Schmidt, Robert C., assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetron. 2,455,952, Dec. 14.

Schmitz, Norbert L.: *See*—
Seeger, Edwin W., and Schmitz.

Schneider, Adolf G., Muncie, Ind., assignor, by mesne assignments, to Schneider Brothers Company, a copartnership composed of H. and V. Schneider, Hamilton, Ohio, and A. G. and E. Schneider, Muncie, Ind. Variable speed transmission. 2,456,328, Dec. 14.

Schneider Brothers Company, assignee: *See*—
Schneider, Adolf G.

Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Rubber grommet. 2,456,087, Dec. 14.

Schneider, Erna: *See*—
Schneider, Adolf G.

Schneider, Heinrich: *See*—
Schneider, Adolf G.

Schneider, Robert H., Madison, Wis., assignor, by mesne assignments, to Air Reduction Company, Incorporated. Sterile distribution and drawoff system. 2,456,152, Dec. 14.

Schneider, Viva: *See*—
Schneider, Adolf G.

Schoder, Erlo F., Union, N. J., assignor to Standard Oil Development Company. Dust separator equipment. 2,456,329, Dec. 14.

Schofield, E. L., Incorporated, assignee: *See*—
Schofield, E. L.

Schofield, Earl L., assignor to E. L. Schofield, Incorporated, Rockford, Ill. Foldable stretcher carrier for ambulances. 2,456,024, Dec. 14.

Scholl Mfg. Co., Inc., The, assignee: *See*—
Hendrickson, Emil G., and La Cour.

Schuck, Oscar H., Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Method and apparatus for monitoring underwater echo range and bearing systems. 2,456,598, Dec. 14.

Schultz, Walter E., Weirton, W. Va. Wheel mounting holder. 2,455,953, Dec. 14.

Schwall, Chester F., Jr., assignor to The General Tire & Rubber Company, Akron, Ohio. Collapsible boat and making the same. 2,456,086, Dec. 14.

Schwinn, Frank W., Chicago, Ill. Parking stand and mounting therefor. 2,456,536, Dec. 14.

Scientific Research and Development, United States of America as represented by the Office of, assignee: *See*—
Veneklasen, Paul S.

Scircle, William M., Scircleville, Ind. Hinged motor hanger for cream separators or like machines. 2,456,088, Dec. 14.

Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aminotriazine product. 2,456,567, Dec. 14.

Scott, Milton J., and S. H. Rider, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Textile treating resins. 2,456,568, Dec. 14.

Scott, Russell J., assignor to Shakespeare Products Company, Kalamazoo, Mich. Antirattling device for antenna masts. 2,456,330, Dec. 14.

Scott, Ruth P., executrix: *See*—
Scott, Winfield.

Scott, Winfield, deceased, late of Akron, Ohio; by Ruth P. Scott, executrix, assignor to Wingfoot Corporation, Akron, Ohio. Treatment of rubber. 2,456,154, Dec. 14.

Scovill Manufacturing Company, assignee: *See*—
Seaver, Donald A.

Seaman, David J., A. E. Wood, Battle Creek, and C. A. Hathaway, Lansing, Mich., said Wood and said Hathaway assignors to said Seaman. Hydraulic door check. 2,456,537, Dec. 14.

Seaman, Emily C., New York, N. Y. Device for teaching the blind. 2,456,155, Dec. 14.

Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Inhaler. 2,456,451, Dec. 14.

Seeger, Edwin W., Wauwatosa, and N. L. Schmitz, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Control for alternating current motors. 2,456,538, Dec. 14.

Seeger, Nelson V., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. 2-Chloroindone. 2,456,452, Dec. 14.

Seegmiller, Jarvis E.: *See*—
Martin, Don S., Jr., Nachtrieb, and Seegmiller.

Seeley, Homer A.: *See*—
Gruver, John H., and Seeley.

Segool, Howard D.: *See*—
Gilbert, Everett E., and Segool.

Seifert, Emmett, San Gabriel, Calif. Mechanical filter. 2,456,025, Dec. 14.

Semisch, Kurt F., Holyoke, Mass. Jack support. 2,456,218, Dec. 14.

Servel, Inc., assignee: *See*—
Simpson, Walter M.

Servis Equipment Company, assignee: *See*—
Collins, Johnnie C.

Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Core barrel. 2,456,331, Dec. 14.

Seyforth, Rome C., assignor to The Shelby Metal Products Company, Shelby, Ohio. Hardware package and display. 2,456,332, Dec. 14.

Shaffer, Stewart, Muncie, Ind. Liner lid for containers. 2,456,607, Dec. 14.

Shaheen, John, West Roxbury, assignor to Sylvania Electric Products Inc., Salem, Mass. Coated inductive device. 2,456,219, Dec. 14.

Shallot, Douglas, assignor to Briggs Manufacturing Company, Detroit, Mich. Insulation break detector. 2,456,453, Dec. 14.

Shakespeare Products Company, assignee: *See*—
Scott, Russell J.

Sharp & Dohme, Incorporated, assignee: *See*—
Cope, Arthur C.

Sharp, John V., Brighton, and O. W. Boughton, Victor, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Photogrammetric projection apparatus and diapositive adjustment means. 2,456,333, Dec. 14.

Shelby Metal Products Company, The, assignee: *See*—
Seyforth, Rome C.

Shell Development Company, assignee: *See*—
Crake, Wilfred S.
Dyduszynski, Adam.
Gilmore, Ronald P.
Parker, James H.
Plank, Norris.
Smith, Grafton A.

Shellmar Products Corporation, assignee: *See*—
Swedlow, David A.

Shelton, George I., and H. L. Dowell, Athens, Tex. Automobile service table. 2,456,220, Dec. 14.

Shenk, Eugene R., Brooklyn, and A. Liguori, New York, N. Y., assignors to Radio Corporation of America. Modulator employing trigger circuit. 2,456,026, Dec. 14.

Shenk, Eugene R., Brooklyn, and A. Liguori, New York, N. Y., assignors to Radio Corporation of America. Wide band frequency modulator. 2,456,089, Dec. 14.

Shepherd, Clark B.: *See*—
Buehl, Walter M., and Shepherd.

Sherman, Monroe, assignee: *See*—
Polak, Joseph F.

Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Protective goggle. 2,456,334, Dec. 14.

Shure Brothers Incorporated, assignee: *See*—
Bauer, Benjamin B.

Signer, Ralph J., assignor to The Visking Corporation, Chicago, Ill. Butadiene-acrylonitrile copolymer mixed with vinylidene chloride-acrylonitrile copolymer. 2,456,454, Dec. 14.

Simons, John K., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Preparation of novel dicyandiamide derivatives. 2,456,090, Dec. 14.

Simons, Joseph H., State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Making fluorocarbons. 2,456,027, Dec. 14.

Simons, Joseph H., State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon compound. 2,456,028, Dec. 14.

Simpson Electric Company, assignee: *See*—
Bernreuter, Herbert A.

Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Heat exchanger. 2,456,455, Dec. 14.

Sims, Marion W.: *See*—
Patterson, Franklin G., and Sims.

Singer Manufacturing Company, The, assignee: *See*—
Parry, Frank.
Turner, Edgar P., and Happe.

Skelly, James J., Cleveland Heights, and E. K. Ralston, University Heights, assignors to Circo Products Company, Cleveland, Ohio. Degreasing. 2,456,335, Dec. 14.

Slovin, David G., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Coagulation of neoprene latex. 2,456,539, Dec. 14.

Smalley, Oliver, Larchmont, N. Y., assignor to Meehanite Metal Corporation. Producing white cast iron castings. 2,455,954, Dec. 14.

Smith, Andrew I., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Motor fuel. 2,456,569, Dec. 14.

Smith, Earl K., West Orange, assignor to Electrons, Incorporated, Newark, N. J. Electrode structure for electron discharge tubes. 2,456,540, Dec. 14.

Smith, Everet F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparing methylamines. 2,456,599, Dec. 14.

Smith, Glen A.: *See*—
Coppock, Kenneth E., and Smith.

Smith, Glenn A., United States Navy. Wing-tip float structure for aircraft. 2,455,955, Dec. 14.

Smith, Grafton A., Tulsa, Okla, assignor to Shell Development Company, San Francisco, Calif. Oil well pump control system. 2,456,456, Dec. 14.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Agent and mineral oil lubricant compositions containing the same. 2,456,336, Dec. 14.

Smith, Roy W.: *See*—
Ringle, Charles J., and Smith.

Smith, Russell W., assignee: *See*—
Caruso, Rocco P.

Smith, S., & Sons (England) Limited, assignee: *See*—
Meredith, Frederick W.

Snader, Craige M., Rosedale, Pa. Adjustable generator. 2,455,956, Dec. 14.

Snyder, Richard L., Jr., Glassboro, N. J., assignor to Radio Corporation of America. Thermionic tube circuits. 2,456,029, Dec. 14.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Bodkin, Ernest A., and Payne.
Gorin, Everett and M. H.
Koppenhoefer, Robert M.
Schlesman, Carleton H., Denton, and Bishop.

Sohns, Carl B., Grafton, Wis. Electric soldering iron. 2,456,030, Dec. 14.

Solliday, Raymond E.: *See*—
Gordon, John T., and Solliday.

Soloway, Saul: *See*—
Friedheim, Ernst A. H., and Soloway.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus and forming same. 2,456,457, Dec. 14.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus and forming same. 2,456,458, Dec. 14.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,456,459, Dec. 14.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,456,460, Dec. 14.

Soper, Roy M., Tacoma, Wash. Sanitary nursing bottle. 2,456,337, Dec. 14.

Soreng Manufacturing Corporation, assignee: *See*—
Fisher, Hardin Y.

Spain, William P., Villa Park, assignor to E. J. Brach & Sons, Chicago, Ill. Article arranging and advancing conveyer mechanism. 2,456,031, Dec. 14.

Speck, William F., West Memphis, Ark. Cotton cleaner. 2,456,156, Dec. 14.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Multielement electron-discharge device. 2,455,957, Dec. 14.

Stadtherr, John J., Newark, Ohio, assignor to The Pure Oil Company, Chicago, Ill. Catalytic polymerization of olefinic hydrocarbons. 2,456,338, Dec. 14.

Staley, A. E., Manufacturing Company, assignee: *See*—
Thomas, McCalip J.

Stamatoff, Gelu S., Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of polyvinyl butyral resins. 2,456,462, Dec. 14.

Standard Oil Company, The, assignee: *See*—
Hughes, Everett C.

Standard Oil Development Company, assignee: *See*—
Draeger, Arthur A.
Nicholson, Edward W. S.
Orr, Franklin M.
Rupp, Walter H., and Harding.
Schoder, Erlo F.
Sewell, Benjamin W.
Welty, Albert B., Jr., and Holder.
Young, David W.

Starle, George B., Schenectady, N. Y., assignor to General Electric Company. Motor protective device. 2,456,463, Dec. 14.

Starrett, L. S., Company, The, assignee: *See*—
Hastings, James E.

Steinbock, Edmund A., assignee: *See*—
Neiman, Robert.

Steinicke, Norman C., East Cleveland, assignor to Weather-Seal, Inc., Barberton, Ohio. Combination latching, unlatching, and ejecting means for windows and doors. 2,456,464, Dec. 14.

Stengl, Rudolph J., and F. B. Bedwell, Tulsa, Okla., assignors to Ozark-Mahoning Company. Fuel control device for submerged burners. 2,456,032, Dec. 14.

Stephenson, Richard M.: *See*—
Hopkins, Abner C., Jr., and Stephenson, and Watson.

Stevens, Nelson B., Woodhaven, and P. R. Capolongo, assignors to Induction Heating Corp., New York, N. Y. Inductor for high-frequency induction heating. 2,456,091, Dec. 14.

Stiger Precision Products, Inc., assignee: *See*—
Forsmark, Harold R.

Stiller, Eric T.: *See*—
Mueller, George P., Stiller, and Lieberman.

Stillwell, Glenn E., Riverside, and G. C. Paxton, Huntington Beach, Calif., assignors to Food Machinery and Chemical Corporation. Nailing machine. 2,456,221, Dec. 14.

Stoecklin, Josef, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Differential relay. 2,456,541, Dec. 14.

Stop-Motion Devices Corp., assignee: *See*—
Violandi, Marco.

Storevik, Rasmus, Brooklyn, N. Y. Pump for clearing water traps. 2,456,092, Dec. 14.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Convertible disk plow. 2,456,465, Dec. 14.

Stricklin, Darwin B., Milwaukee, Wis. Pump construction. 2,456,339, Dec. 14.

Strike, Louis N., assignee: *See*—
Pearson, Otto H.

Stuckey, Warren A., and M. Gregurich, assignors to The Moore Corporation, Joliet, Ill. Smokeless heater for burning coal and other solid fuel. 2,456,570, Dec. 14.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,456,222, Dec. 14.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming terminal ends of coils. 2,456,223, Dec. 14.

Sullivan, Norman M., Kent, Ohio. Overhead conveyer mechanism. 2,456,224, Dec. 14.

Sulzer Frères, Société Anonyme, assignee: *See*—
Atteslander, Edouard.

Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Fluoborate glass. 2,456,033, Dec. 14.

Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Variable time delay electronic apparatus. 2,456,466, Dec. 14.

Suydam, Norman, Toledo, Ohio. Moving target machine. 2,456,034, Dec. 14.

Swedlow, David A., Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Polymerization. 2,456,093, Dec. 14.

Swedlow, David A., North Hollywood, Calif., assignor by mesne assignments to Shellmar Products Corporation, Chicago, Ill. Laminated transparent plastic. 2,456,467, Dec. 14.

Swennes, Benjamin A., Rockford, Ill., assignor, by mesne assignments, to United States of America, as represented by the Secretary of the Navy. Amphibian cargo carrier. 2,456,542, Dec. 14.

Swift Electric Welder Company, assignee: *See*—
Lewis, Alfred H.

Sylvania Electric Products Inc., assignee: *See*—
Frohock, Warren S.
McCarthy, Henry J.
Shaheen, John.

Syrovy, Augustin J.: *See*—
Neracher, Carl A., Dunn, Iavelli, and Syrovy.

Tadd, Ro. W., San Gabriel, Calif. Protector for the doors of vehicles. 2,456,157, Dec. 14.

Tancred, William L., assignor to Jones & Lamson Machine Company, Springfield, Vt. Tracer and automatic pattern feed. 2,456,158, Dec. 14.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Preparing butane-1,2,4-tricarboxylic acid. 2,456,543, Dec. 14.

Taylor, John, Bronxvile, N. Y. Delay arming antidisturbance fuse. 2,455,958, Dec. 14.

Tear, James D.: *See*—
Poitras, Edward J., and Tear.

Tennessee Coal, Iron and Railroad Company, assignee: *See*—
Trevor, Paul F.

Ternes, Raymond F., assignee: *See*—
Patrick, Lawrence M.

Texas Company, The, assignee: *See*—
Wolf, Alexander.

Theodore, Henry P., assignor to Bobrich Manufacturing Corp., New York, N. Y. Electrically heated comfortable. 2,456,468, Dec. 14.

Thiokol Corporation, assignee: *See*—
Kamlet, Jonas, and Reece.

Thomas, Carrol E., Oakland, Calif. Securing a canvas to a frame. 2,456,225, Dec. 14.

Thomas, Charles E., North Arlington, J. S. Felter, Livingston, and H. J. Ness, assignors to Metallurgical Processes Co., Newark, N. J. Metallurgical furnace. 2,456,469, Dec. 14.

Thomas, McCalip J., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Refining of inositol solutions. 2,456,470, Dec. 14.

Thompson, Julien A.: *See*—
Ballantyne, William G., and Thompson.

Thompson Products, Incorporated, assignee: *See*—
Venditty, Anthony.

Thoresen, Oscar, Pittsburgh, Pa. Siren top. 2,456,341, Dec. 14.

Thorpe, Warren, New York, N. Y. Information posting board. 2,456,226, Dec. 14.

Torstenson, Henry A., assignee: *See*—
Morberg, Kenneth F.

Threedy, Clarence E., assignee, trustee: *See*—
Tratsch, Walter A.

Tideman, Harold F., Kenilworth, Ill. Ventilator. 2,456,340, Dec. 14.

Tide Water Associated Oil Company, assignee: *See*—
Beattie, Robert.

Time, Inc., assignee: *See*—
Faeber, Harry W.

Toledo Scale Company, assignee: *See*—
Yeasting, Maynard C.

Torrington Manufacturing Co., The, assignee: *See*—
Brown, Raymond H.

Tratsch, Walter A., assignor to Clarence E. Threedy, Chicago, Ill., as trustee. Shot cartridge. 2,456,159, Dec. 14.

Trevor, Paul F., Bessemer, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Method and apparatus for determining the approximate amount of oil film on an article. 2,456,342, Dec. 14.

Tri-Clover Machine Co., assignee: *See*—
Kessler, Joseph S.

Tripp, Kenneth F.: *See*—
Axler, Meyer H., and Tripp.

Trout, Norwood S., Jr., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Variable-speed transmission. 2,456,600, Dec. 14.

Tschan, Ernst, assignor to Durand & Huguenin, A. G., Basel, Switzerland. Process and paste for printing fabrics made of cellulose, such as textile fabrics, paper and the like, with chromium mordant dyestuffs. 2,456,471, Dec. 14.

Turner, Douglas F., Detroit, Mich. Knee pad. 2,456,472, Dec. 14.

Turner, Edgar P., Fanwood, and R. Happe, Pittstown, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Portable electric tool. 2,456,571, Dec. 14.

Turner, John, Boston, Mass. Vehicle tire antiskid device. 2,456,473, Dec. 14.

Tuttle, Francis J.: *See*—
Gessler, Albert E., Grupe, Rolle, and Tuttle.

Tuttle & Kift, Inc., assignee: *See*—
Tuttle, William R.

Tuttle, William R., Riverside, assignor to Tuttle & Kift, Inc., Chicago, Ill. Electric heater and making same. 2,456,343, Dec. 14.

Union Oil Company of California, assignee: *See*—
Lake, George R., and McDowell.
Smith, Andrew I.

Union Switch & Signal Company, The, assignee: *See*—
Dodd, Arthur E.

United Aircraft Corporation, assignee: *See*—
Beardsley, Guy E., Jr., and Laubin.

United-Carr Fastener Corporation, assignee: *See*—
Churchill, Wilmer H.
Johnson, Frank E.
Wagstaff, George.

United Chromium, Incorporated, assignee: *See*—
Hyner, Jacob.

United Lens Corporation, assignee: *See*—
Bailey, Benjamin F.

United Merchants & Manufacturers, Inc., assignee: *See*—
Miller, Paul L., and Fred T.

United Shoe Machinery Corporation, assignee: *See*—
Baker, Corwin W.
Hart, Thomas W.

United States Atomic Energy Commission, United States of America, by the, assignee: *See*—
Nier, Alfred O. C., and Ney.

United States Gypsum Company, assignee: *See*—
Gill, Joseph W.

United States Rubber Company, assignee: *See*—
Ladd, Elbert C., and Paxton.
Slovin, David G.
Tawney, Pliny O.

U. S. Slicing Machine Company, assignee: *See*—
Brustowsky, Morris.

Universal Oil Products Company, assignee: *See*—
Friedman, Bernard S., and Hervert.
Gerhold, Clarence G.
Read, Davis, Jr.
Watson, Charles C.

Uthenwoldt, Frederick W.: *See*—
Rouan, Francis J., and Uthenwoldt.

Vaala, Gordon T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamides plasticized with a mixture of phenol and ester type plasticizers. 2,456,344, Dec. 14.

Vale, Baldwin, San Francisco, Calif. Garden hand tool for soil cultivation. 2,456,345, Dec. 14.

Van der Mark, Jan, and T. J. Weyers, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for the transmission of signals by means of frequency-modulated carrier waves. 2,455,959, Dec. 14.

Varner, Charles E., Toledo, Ohio. Antiskid device. 2,456,544, Dec. 14.

Vaughan, John A.: *See*—
McLaren, Peter J., Vaughan, and Fry.

Vaughn, Thomas H., Grosse Ile, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Synthesis of chloral. 2,456,545, Dec. 14.

Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Tie rod joint seal. 2,456,546, Dec. 14.

Veneklasen, Paul S., Saugus, Mass., assignor to the United States of America as represented by the Office of Scientific Research and Development. Sound shield for telephone transmitters. 2,456,346, Dec. 14.

Vickers-Armstrongs Limited, assignee: *See*—
Perry, Charles.

Victoreen, John A., Cleveland, Ohio. Method and apparatus for regulating water temperature. 2,456,094, Dec. 14.

Violandi, Marco, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Light system for knitting machines. 2,456,160, Dec. 14.

Visking Corporation, The, assignee: *See*—
Signer, Ralph J.

Vogel, Hilmond O., Chicago, Ill., assignor to International Harvester Company. Centrifugal separator. 2,456,347, Dec. 14.

Waddill, Paul M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Prevention of siliceous deposits in hydrocarbon conversion processes. 2,456,348, Dec. 14.

Wade, John B., Arcadia, Calif., assignor to Food Machinery and Chemical Corporation. Coupling stabilizer for moineau pumps. 2,456,227, Dec. 14.

Wagstaff, George, Long-Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic valves and other electrical devices. 2,456,572, Dec. 14.

Wainwright, Joseph A., Syracuse, N. Y., assignor to General Electric Company. Electric discharge device. 2,456,474, Dec. 14.

Walker, Joseph F., Staten Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Paraformaldehyde compositions. 2,456,161, Dec. 14.

Walker, Kenneth E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydraulic fluid. 2,455,961, Dec. 14.

Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical transformer. 2,455,960, Dec. 14.

Walter, Henry A., Longmeadow, Mass., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Urea-formaldehyde composition. 2,456,095, Dec. 14.

War, United States of America as represented by the Secretary of, assignee: *See*—
Risser, Jacob R., and Wlodkowski.

Ward, Robert S., assignor to Fosgood Corporation, Leominster, Mass. Locking device. 2,456,349, Dec. 14.

Wargin, Edward F., San Anselmo, Calif., J. R. Harkness and D. C. Peroutky, Schenectady, N. Y., assignors to General Electric Company. Ignition system. 2,456,475, Dec. 14.

Waterbury, Carl C., assignor to Diaphragm & Chemical Company, Chicago, Ill. Mold. 2,456,162, Dec. 14.

Watson, Charles C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Hydrogen meter. 2,456,163, Dec. 14.

Watson, Harold M.: *See*—
Herwald, Seymour W., and Watson.

Watson, William E.: *See*—
Hopkins, Abner C., Jr., Stephenson, and Watson.

Weather-Seal, Inc., assignee: *See*—
Steinicke, Norman C.

Weaver, Welcome I., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Dispersing a solid polymerization catalyst in a polymerizable thermosetting resin sirup. 2,456,228, Dec. 14.

Weber, Arthur E., Monee, Ill. Electric fence wire fastener. 2,456,547, Dec. 14.

Weeks, Loren R., Coeur d'Alene, Idaho. Door lock. 2,456,229, Dec. 14.

Wehmer, Bruno F., Melrose Park, assignor to The Wm. Meyer Company, Chicago, Ill. X-ray equipment. 2,456,096, Dec. 14.

Weiner, Leon, and B. I. Bell, Houston, Tex. Electrical plug and socket. 2,456,548, Dec. 14.

Weinstein, Harry, assignee: *See*—
Keith, Glenn.

Weinstein, Milton M., assignee: *See*—
Keith, Glenn.

Weisberg, Sidney M., Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Solderless contact terminal. 2,456,601, Dec. 14.

Weizmann, Charles, assignor to Ketarome Limited, London, England. Preparation and isolation of ethylene chlorohydrin. 2,456,350, Dec. 14.

Weizmann, Charles, London, assignor to Polymerisable Products Limited, London County, England. Preparation of carboxylic acids by the oxidation of aldehydes. 2,456,549, Dec. 14.

Welding Machines Manufacturing Company, assignee: *See*—
Beronius, Harry V.

Welsh, James W., Providence, R. I., assignor to Welsh Manufacturing Company. Fountain pen. 2,456,602, Dec. 14.

Welsh Manufacturing Company, assignee: *See*—
Welsh, James W.

Welty, Albert B., Jr., Mountainside, and C. H. Holder, Cranford, N. J., assignors to Standard Oil Development Company. Activation of catalyst. 2,456,351, Dec. 14.

Wenzel, Robert N.: *See*—
Ford, James G., and Wenzel.

Wepplo, Isaac W., Minneapolis, Minn. Fuel vaporizer. 2,456,097, Dec. 14.

West, James R., and F. D. Jones, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Wire tying mechanism. 2,456,476, Dec. 14.

Western Electric Company, Incorporated, assignee: *See*—
Nelson, Wilbur L.
Stull, John S.
Yonkman, William.

Western Electrical Instrument Corporation, assignee: *See*—
Lamb, Anthony H.

Westinghouse Electric Corporation, assignee: *See*—
Ford, James G., and Wenzel.
Goldthwaite, George R.
Graybill, Howard W.
Herwald, Seymour W., and Watson.

Weyers, Theodorus J.: *See*—
Van der Mark, Jan, and Weyers.

Wheeler, Albert H., Worcester, Mass. Game board and playing pieces therefor. 2,456,098, Dec. 14.

Wheeler, Harold R., and J. A. Kofalt, Harrisburg, Pa. Recording liquid dispenser. 2,455,962, Dec. 14.

Wheeler, Phillip R., Alexandria, Va. Electrical gun sight control. 2,455,963, Dec. 14.

White, Eric L. C., Iver, M. G. Harker, Pinner, and J. P. W. Houchin, Burnham, assignors to Electric and Musical Industries Limited, Hayes, Middlesex, England. Electrical motor control system. 2,456,573, Dec. 14.

White, Jesse O.: *See*—
Bren, Bozetech C., and White.

Whitney, Frances, Weston, Mass. Headdress. 2,456,352, Dec. 14.

Widmer, Willy, Bottmingen, Switzerland, assignor to Ciba Limited. Chromed monoazo compound. 2,456,230, Dec. 14.

Wiley, Richard H., Chapel Hill, N. C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorine-containing vinyl resins stabilized with a tri(2-alkenyl)-phosphite. 2,456,231, Dec. 13.

Williams Gold Refining Company, Inc., assignee: *See*—
Ringle, Charles J., and Smith.

Willson Products, Inc., assignee: *See*—
Shindel, Harry F.

Wilson, Finley B., San Antonio, Tex., assignor to United States of America, as represented by the Secretary of the Navy. Keyed oscillator. 2,456,550, Dec. 14.

Wilson, Robert A., Dallas, Tex. Well swab. 2,456,551, Dec. 14.

Wingfoot Corporation, assignee: *See*—
Campaigne, William E.
Carter, Raymond S., and Dorf.
Clifford, Albert M.
Gordon, John T., and Solliday.
Scott, Winfield.
Seeger, Nelson V.

Winter, Arthur, Weehawken, N. J. Pen. 2,455,964, Dec. 14.

Winter, Lester L., Lakewood, Ohio, assignor to National Carbon Company, Inc. Electrode for vacuum discharge apparatus. 2,456,099, Dec. 14.

Wirth, Emil O.: *See*—
Barfod, Frederik, and Wirth.

Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,456,605, Dec. 14.

With, Julius E. B., Port Townsend, Wash. Chimney cowl. 2,456,232, Dec. 14.

Witt, Minnie, executrix: *See*—
Nelson, Adelbert M.

Wittner, Max E., Brooklyn, N. Y. Bust molding and uplifting garment. 2,456,552, Dec. 14.

Wlodkowski, Raymond J.: *See*—
Risser, Jacob R., and Wlodkowski.

Wobker, Burle F., Mission, Kans., assignor to Phillips Petroleum Company. Treatment of fluids with comminuted solids. 2,456,035, Dec. 14.

Wohlberg, George, Annapolis, Md. Wet-type water-separating steam-inhibiting exhaust muffler. 2,455,965, Dec. 14.

Wolf, Alexander, Houston, Tex., assignor to The Texas Company, New York, N. Y. Liquid level measurement and control. 2,456,233, Dec. 14.

Wolf, John L., Bloomsburg, and W. C. Wolf, York, Pa. Wire-bending machine. 2,456,353, Dec. 14.

Wolf, William C.: *See*—
Wolf, John L. and W. C.

Wood, Albert E.: *See*—
Seamon, David J., Wood, and Hathaway.

Wood, Fredric E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay yoke. 2,456,036, Dec. 14.

Wood, Justice W., Detroit, Mich. Toggle clamp. 2,456,100, Dec. 14.

Wood Newspaper Machinery Corporation, assignee: *See*—
Roesen, Oscar C.

Woods, Webster F., Glendale, Calif. Folding dinette table. 2,456,037, Dec. 14.

Woodworth, N. A., Company, assignee: *See*—
Hohwart, George.

Wyandotte Chemicals Corporation, assignee: *See*—
Vaughn, Thomas H.

Wyeth Incorporated, assignee: *See*—
Mueller, George P., Stiller, and Lieberman.

Wynne, Ira H.: *See*—
Manegold, Robert L., and Wynne.

Yankee Metal Products Corp., assignee: *See*—
Daon, Rene.

Yarroll, Warren H.: *See*—
Jacobs, James H., and Yarroll.

Yeasting, Maynard C., Elmore, assignor to Toledo Scale Company, Toledo, Ohio. High-speed counter. 2,456,101, Dec. 14.
Yeomans Brothers Company, assignee: *See*—
Yeomans, Charles.
Yeomans, Charles, Hubbard Woods, assignor to Yeomans Brothers Company, Chicago, Ill. Pneumatic pumping system. 2,456,574, Dec. 14.
Yonkman, William, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lead coating ferrous articles. 2,456,235, Dec. 14.
Youhouse, Joseph, Fairfield, Conn. Combined internal-combustion and turbine engine. 2,456,164, Dec. 14.
Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Copolymers of iso-olefins with thiophene sulfones and making same. 2,456,354, Dec. 14.
Young, Farrile S., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Bolt protector. 2,456,234, Dec. 14.
Young, Lyman, San Francisco, Calif. Decatonic keyboard. 2,456,575, Dec. 14.
Young, Richard E., Detroit, Mich. Portable fire alarm device. 2,456,038, Dec. 14.
Yuza, Rudolph, assignor to A. Dalkin Company, Chicago, Ill. Valve mounting. 2,456,165, Dec. 14.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF DECEMBER, 1948

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Curling rod. S. Molchan. Re. 23,061, Dec. 14.
Insulating material, Electric. A. A. New, S. A. Foord, and D. R. Beckwith. Re. 23,062, Dec. 14.
Method and apparatus for sand blasting. L. L. Tirrell. Re. 23,064, Dec. 14.
N-substituted Pantoyl amides. W. Shive and E. E. Snell. Re. 23,063, Dec. 14.
Open-back shoe with stiffening means. T. A. Cochary. Re. 23,059, Dec. 14.
Organo-silicon polymers and methods of making them. R. R. McGregor and E. L. Warrick. Re. 23,060, Dec. 14.
Refrigerator. L. J. Bronaugh and T. I. Potter. Re. 23,058, Dec. 14.
Signalling system. G. E. Atkins. Re. 23,057, Dec. 14.

LIST OF PLANT INVENTIONS

English or Persian walnut tree. W. A. Benton and G. L. Smith. 815, Dec. 14.
Peach tree. O. F. and W. C. Jones. 814, Dec. 14.

LIST OF DESIGN INVENTIONS

Airplane. W. J. Clark. 152,063, Dec. 14.
Ash tray. J. Melillo. 152,114, Dec. 14.
Book end. A. W. McGowen. 152,112, Dec. 14.
Bracelet or similar article. W. W. Hobé. 152,078–9, Dec. 14.
Bracelet or similar article. W. W. Hobé. 152,081, Dec. 14.
Bracelet or similar article. A. Philippe. 152,127, Dec. 14.
Brassière. J. A. Coleman. 152,064, Dec. 14.
Brooch and locket, Combined. A. Katz. 152,102–6, Dec. 14.
Brooch or similar article. W. W. Hobé. 152,071–3, Dec. 14.
Brooch or similar article. W. W. Hobé. 152,075–7, Dec. 14.
Brooch or similar article. W. W. Hobé. 152,080, Dec. 14.
Brooch or similar article. W. W. Hobé. 152,082, Dec. 14.
Brooch or similar article. A. Katz. 152,092–7, Dec. 14.
Brooch or similar article. A. Katz. 152,100, Dec. 14.
Cabinet, Alarm. R. E. Young. 152,132, Dec. 14.
Cabinet for bottle vending machine. W. L. Martling, Jr. 152,110, Dec. 14.
Can punch. W. A. Campion. 152,060, Dec. 14.
Car body, Railway. F. L. Murphy and J. E. Candlin, Jr. 152,119, Dec. 14.
Carrier, Bottle. A. L. Barnes. 152,053, Dec. 14.
Casing, Electric heater. W. W. Chatfield. 152,062, Dec. 14.
Chair. J. C. Sanford. 152,129, Dec. 14.
Coin head. J. W. Nimitz. 152,121, Dec. 14.
Cooking appliance, Electric. C. Karstadt. 152,090–1, Dec. 14.
Cover plate, Electrical push button. W. Huppert. 152,087, Dec. 14.
Crib and bureau, Combined. J. Staartjes. 152,130, Dec. 14.
Display carton. J. G. Fettinger. 152,069, Dec. 14.
Display fixture, Bottle. W. I. Carr. 152,061, Dec. 14.
Display stand or similar article. L. Martling, Jr. 152,111, Dec. 14.
Doll. F. B. Salter. 152,128, Dec. 14.
Earring or similar article. A. Katz. 152,098–9, Dec. 14.
Earring or similar article. A. Katz. 152,101, Dec. 14.
Earring or similar article. A. Katz. 152,107, Dec. 14.
Guard for motor vehicles, Grille. L. Bustin. 152,058–9, Dec. 14.
Handbag or the like. G. Murphy. 152,120, Dec. 14.
Handle, Door. S. C. Brull. 152,056, Dec. 14.
Hoist, Puller. H. F. Parker. 152,123–4, Dec. 14.
Holder, Meat. E. S. Morfesi. 152,117, Dec. 14.
Lock for portfolios or the like. S. H. Lifton. 152,109, Dec. 14.
Multigem setting or similar article. S. R. Donchi. 152,068, Dec. 14.
Necklace. W. W. Hobé. 152,083–5, Dec. 14.
Necklace or similar article. W. W. Hobé. 152,074, Dec. 14.
Necklace or similar article. W. W. Hobé. 152,086, Dec. 14.
Necklace or similar article. A. Philippe. 152,126, Dec. 14.
Negligee. V. Giovagnoni. 152,070, Dec. 14.
Piano, Grand. E. D. Kapphan. 152,089, Dec. 14.
Plate for electric room heating units, Front. A. J. D. Ohm. 152,122, Dec. 14.
Record player and radio, Combination. C. A. Peterson. 152,125, Dec. 14.
Reflector assembly for a heat lamp. J. A. Mehr. 152,113, Dec. 14.
Ring or similar article. M. Koven. 152,108, Dec. 14.
Shears. C. L. Mortensen. 152,118, Dec. 14.
Shower head. R. E. Bletcher and E. H. Bucknell. 152,054, Dec. 14.
Swatter, Fly. H. Jahn and C. S. Zaremba. 152,088, Dec. 14.
Sweater. B. A. Bryce. 152,057, Dec. 14.
Tank vehicle. G. A. Brasfield. 152,055, Dec. 14.
Textile fabric or similar article. R. E. Minger. 152,115–16, Dec. 14.
Tire gauge and key holder, Combined. J. C. Crowley. 152,065–6, Dec. 14.
Vise and clamp, Parallel. D. Wright. 152,131, Dec. 14.
Winch, Power. J. C. Curtis. 152,067, Dec. 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetylene generator. G. L. Hill. 2,456,278, Dec. 14.
Acid derivatives and the manufacture of same, Bile. F. Bergel, A. L. Morrison, A. R. Moss, M. Königstein, and H. Rinderknecht. 2,456,363, Dec. 14.
Acrylonitrile process. H. W. Arnold. 2,456,360, Dec. 14.
Activation of catalyst. A. B. Welty, Jr., and C. H. Holder. 2,456,351, Dec. 14.
Actuating mechanism for refrigerator tops or the like. J. B. Parsons. 2,456,429, Dec. 14.
Addition compounds of pyridine derivatives and preparing some. E. A. H. Friedheim and S. Soloway. 2,455,924, Dec. 14.
Adjustable generator. C. M. Snader. 2,455,956, Dec. 14.
Agent and mineral oil lubricant compositions containing the same. H. G. Smith and T. L. Cantrell. 2,456,336, Dec. 14.
Agents for use in low-temperature polymerization reactions, Modifying. P. K. Frolich. 2,456,265, Dec. 14.
Aggregate, Light weight, and producing same. W. J. McCoy. 2,456,207, Dec. 14.
Air brake apparatus. J. W. Marsh. 2,456,137, Dec. 14.
Aircraft structural material and making the same. J. C. MacKinnon and W. R. Hickler. 2,456,005, Dec. 14.
Alarm device, Portable fire. R. E. Young. 2,456,038, Dec. 14.
Alkali process for wheat starch production. R. J. Dimler. 2,455,981, Dec. 14.
Alkylation process. M. P. Matuszak. 2,456,435, Dec. 14.
α-ethylpiperonyl ethers, Producing. E. A. Prill. 2,456,316, Dec. 14.
Alloy: *See*—
Brazing alloy.
Amines, Making. W. W. Prichard. 2,456,315, Dec. 14.
Aminotriazine product. M. J. Scott. 2,456,567, Dec. 14.
Amphibian cargo carrier. B. A. Swennes. 2,456,542, Dec. 14.
Amusement device, Cathode-ray tube. T. T. Goldsmith, Jr., and E. R. Mann. 2,455,992, Dec. 14.
Annunciating device. J. B. Englander. 2,455,922, Dec. 14.
Antirattling device for antenna masts. R. J. Scott. 2,456,330, Dec. 14.
Antiskid device. C. E. Varner. 2,456,544, Dec. 14.
Apparatus for aligning preengraved projectiles in rifled firearms. C. W. Musser. 2,456,011, Dec. 14.
Apparatus for and method of treating food products. J. J. Hoffman. 2,456,124, Dec. 14.
Apparatus for breaking and making emulsions. C. E. and A. P. North. 2,455,945, Dec. 14.
Apparatus for electrostatic separation of material particles. B. Horsfield. 2,456,279, Dec. 14.
Apparatus for extrusion molding of plastic articles. S. Myerson. 2,456,141, Dec. 14.
Apparatus for forming terminal ends of coils. J. S. Stull. 2,456,223, Dec. 14.
Apparatus for handling metal sheets. C. A. Larkin. 2,456,004, Dec. 14.
Apparatus for producing variegated fiber lengths in the manufacture of paper. G. L. Bidwell. 2,456,249, Dec. 14.
Apparatus suitable for use in the treatment of water containing chlorides dissolved. H. D. Meincke, Jr. 2,456,524, Dec. 14.
Appliqués for attachment, Preparing. M. A. Friedlen. 2,456,264, Dec. 14.
Article forming apparatus. J. S. Stull. 2,456,222, Dec. 14.
Article-holding device. G. and J. Rees. 2,456,445, Dec. 14.
Aryl amines, Making. E. C. Hughes. 2,455,932, Dec. 14.
Aryl thio-ethers of metal-containing phthalocyanines and producing same. E. Gutzwiller. 2,456,274, Dec. 14.
Assembly for weighing scales, Balance weight. W. A. Dimick. 2,456,178, Dec. 14.
Attachment for skis, Antispill. N. E. Ebbley, Jr. 2,455,920, Dec. 14.
Automobile body structure. A. E. Gessler, W. F. Grupe, C. J. Rolle, and F. J. Tuttle. 2,455,926, Dec. 14.
Automobile service table. G. I. Shelton and H. L. Dowell. 2,456,220, Dec. 14.
Axle spring suspension, Tandem. V. Frazier. 2,455,989, Dec. 14.
Azeotropic separation of xylene isomers. G. R. Lake and J. M. McDowell. 2,456,561, Dec. 14.
Banding machine. J. H. Mead. 2,456,523, Dec. 14.
Bar: *See*—
Handle bar.
Barrel, Core. B. W. Sewell. 2,456,331, Dec. 14.
Bathtub. L. E. Harris. 2,456,275, Dec. 14.
Battery gland for terminals or vents. C. and M. Berg. 2,456,246, Dec. 14.
Battery improvement, Electric. V. Alvear. 2,456,477, Dec. 14.
Bearing: *See*—
Center bearing.
Billfold. J. C. Miller. 2,456,300, Dec. 14.
Blackboard, Collapsible. W. Amstutz. 2,456,103, Dec. 14.
Blotting device for duplicating machines, Friction-rotary. J. S. McLane. 2,456,009, Dec. 14.
Board: *See*—
Boat, Collapsible, and making the same. C. F. Schwall, Jr. 2,456,086, Dec. 14.
Boiler: *See*—
Sectional type boiler.
Bolt protector. F. S. Young. 2,456,234, Dec. 14.
Bookbinding and producing the same. J. F. Bosch. 2,455,971, Dec. 14.
Bottle, Sanitary nursing. R. M. Soper. 2,456,337, Dec. 14.
Box: *See*—
Folding box.
Bracket: *See*—
Universal all wire bracket.
Brake: *See*—
Ski brake.
Brake and safety leg for perambulators, Combined. A. M. Boudreau. 2,456,250, Dec. 14.
Brake booster, Hydraulic. G. R. Elliott. 2,455,985, Dec. 14.
Brazing alloy. J. F. Polak. 2,456,594, Dec. 14.
Breathing apparatus. C. J. Lambertsen. 2,456,130, Dec. 14.
Broiler. P. Gallichio and F. Ferrari. 2,456,397, Dec. 14.
Buffer device for firearms. F. L. Humeston. 2,456,280, Dec. 14.
Burner control, Liquid fuel. A. C. Bennett. 2,456,170, Dec. 14.
Bushing and manufacturing same. S. Imerman. 2,456,418, Dec. 14.
Butadiene-acrylonitrile copolymer mixed with vinylidene chloride-acrylonitrile copolymer. R. J. Signer. 2,456,454, Dec. 14.
Butane-1,2,4-tricarboxylic acid, Preparing. P. O. Tawney. 2,456,543, Dec. 14.
Cables, Forming coaxial. L. H. Morin. 2,456,304, Dec. 14.
Calcium-nickel phosphate catalyst and preparation thereof. E. C. Britton and A. J. Dietzler. 2,456,367, Dec. 14.
Calcium nickel phosphate-chromium oxide catalyst. E. C. Britton and A. J. Dietzler. 2,456,368, Dec. 14.
Cam profiling machine. C. Perry. 2,456,146, Dec. 14.
Capacitor, Electric. F. M. Clark. 2,456,381, Dec. 14.
Car-dumping apparatus. G. W. Merritt. 2,456,209, Dec. 14.
Carboxylic acids by the oxidation of aldehydes, Preparation of. C. Weizmann. 2,456,549, Dec. 14.
Card stripping and feeding device. F. J. Rouan and F. W. Uthenwoldt. 2,456,449, Dec. 14.
Carrier: *See*—
Amphibian cargo carrier. Pack carrier.
Carton with sliding closure, Display. A. Behrens. 2,456,168, Dec. 14.
Cartridge, Shot. W. A. Tratsch. 2,456,159, Dec. 14.
Caster. J. G. Maresco. 2,456,520, Dec. 14.
Casting machine, Centrifugal. T. C. Kuhlman. 2,456,067, Dec. 14.
Catalyst preparation. F. C. Gibbs, Jr., B. M. Baird, and R. J. Brosamer. 2,456,268, Dec. 14.
Catalytic conversion of hydrocarbons. W. H. Borcherding. 2,455,915, Dec. 14.
Catalytic conversion unit, Operation of a fluid. F. M. Orr. 2,456,310, Dec. 14.
Catalytic oxidation of nicotine. F. E. Cislak and W. R. Wheeler. 2,456,380, Dec. 14.
Catalytically hydrogenating organic substances. H. M. Guinot. 2,456,187, Dec. 14.
Cathode-ray apparatus. R. B. Gethmann. 2,456,399, Dec. 14.
Cell for recovering manganese, Electrolytic. J. H. Jacobs and W. H. Yarroll. 2,456,196, Dec. 14.
Censer. J. M. Bash. 2,456,244, Dec. 14.
Center bearing. H. A. Balke. 2,455,970, Dec. 14.
Centrifugal separator. H. O. Vogel. 2,456,347, Dec. 14.
Chair and table, Child's knockdown. B. Creech. 2,456,111, Dec. 14.
Chamfering device, Adjustable. S. E. Mueller, G. V. Anderson, and A. Dacas. 2,456,140, Dec. 14.
Chimney cowl. J. E. B. With. 2,456,232, Dec. 14.

Chlorine-containing vinyl resins stabilized with a tri-(2-alkenyl)-phosphite. R. H. Wiley. 2,456,231, Dec. 14.
Chlorine-containing vinyl resins stabilized with a tri-(2-alkenyl)-phosphite and a 1,2-epoxy compound. H. J. Richter. 2,456,216, Dec. 14.
Chuck operating mechanism. F. W. Kelleher. 2,455,934, Dec. 14.
Circuit: *See*—
Modulator employing trigger circuit. Toggle clamp.
Circuit arrangement for the modulation of electrical oscillations. J. Ensink. 2,456,494, Dec. 14.
Circuits, Electrical. J. R. Cooney. 2,456,050, Dec. 14.
Clamp: *See*—
Pressing machine tail clamp. Multiple spark circuit.
Clamping unit for surface gauges or the like. J. E. Hastings. 2,456,505, Dec. 14.
Clasp. I. Rowen. 2,456,596, Dec. 14.
Clasp having safety locking means, Rotatable-joint. M. Hattan. 2,455,929, Dec. 14.
Cleaner: *See*—
Cotton cleaner.
Clinching ball ears to can body blanks and apparatus therefor. J. Henchert. 2,456,506, Dec. 14.
Clip: *See*—
Fastener clip. Visor document clip.
Closure device for crystal converters. W. L. Nelson. 2,456,305, Dec. 14.
Closure, Receptacle. R. M. Ross. 2,456,448, Dec. 14.
Clothesline reel. S. J. Duhaime and C. V. Butler. 2,456,115, Dec. 14.
Coagulation of neoprene latex. D. G. Slovin. 2,456,539, Dec. 14.
Coating apparatus, Locomotive. J. E. O'Brien. 2,456,308, Dec. 14.
Coating compositions. W. C. Mast. 2,456,295, Dec. 14.
Coating for welding rods, Flux. W. Goerg. 2,456,121, Dec. 14.
Coating machine. H. W. Faeber. 2,456,495, Dec. 14.
Collapsible container. M. Antil. 2,456,479, Dec. 14.
Comb. C. Marini. 2,456,138, Dec. 14.
Combined internal-combustion and turbine engine. J. Youhouse. 2,456,164, Dec. 14.
Combustion chamber and supplying plural liquid fuels thereto. R. H. Goddard. 2,456,402, Dec. 14.
Comfortable, Electrically heated. H. P. Theodore. 2,456,468, Dec. 14.
Concrete feed and fertilizer mixer. J. S. Kamper. 2,456,285, Dec. 14.
Condenser structure. K. A. Duerk. 2,456,114, Dec. 14.
Conductor, Electrical. K. L. Orser. 2,456,015, Dec. 14.
Connection for structural steel beams, End. J. R. Farrar. 2,456,055, Dec. 14.
Connector for cords or cables. W. H. Churchill. 2,456,554, Dec. 14.
Contact terminal, Solderless. S. M. Weisberg. 2,456,601, Dec. 14.
Container: *See*—
Collapsible container.
Container. R. Beattie. 2,456,483, Dec. 14.
Container. H. L. Carpenter. 2,456,047, Dec. 14.
Container and coupling, Sectional. H. L. Carpenter. 2,456,048, Dec. 14.
Container for liquefied gases, Spherical type insulated. J. O. Jackson. 2,456,195, Dec. 14.
Continuous sediment separator. B. F. Harbison. 2,456,189, Dec. 14.
Control. C. F. Kettering and A. W. Fischer. 2,456,198, Dec. 14.
Control and/or measuring system, Electrical. G. H. Fritzinger. 2,456,499, Dec. 14.
Control apparatus, Fractionation. C. G. Gerbold. 2,456,398, Dec. 14.
Control device for submerged burners, Fuel. R. J. Stengl and F. B. Bedwell. 2,456,032, Dec. 14.
Control for alternating current motors. E. W. Seeger and N. L. Schmitz. 2,456,538, Dec. 14.
Control gap for spark spectroscopes, Stabilized. J. H. Enns. 2,456,116, Dec. 14.
Control mechanism, Pressure-regulating. N. C. Price. 2,456,215, Dec. 14.
Control of vaporizable material. W. S. Frohock. 2,456,396, Dec. 14.
Control system, Burner. W. A. Ray. 2,456,147, Dec. 14.
Control system, Drilling. W. S. Crake. 2,455,917, Dec. 14.
Control system, Electronic direct-current. E. J. Jackson. 2,456,420, Dec. 14.
Control system for airplanes, Hydraulic. W. A. Ray. 2,455,948, Dec. 14.
Control system, Generator. A. H. Lamb. 2,456,199, Dec. 14.
Conversion of dimethyl ether. E. and M. H. Gorin. 2,456,584, Dec. 14.
Conversion of hydrocarbons in the presence of a catalyst and calcium oxide together with steam and/or carbon dioxide. M. M. Marisic. 2,456,072, Dec. 14.
Conveyer mechanism, Article arranging and advancing. W. P. Spain. 2,456,031, Dec. 14.
Conveyer mechanism, Overhead. N. M. Sullivan. 2,456,224, Dec. 14.
Cooling system, Aircraft engine. J. G. Sawyer. 2,456,151, Dec. 14.
Copolymer of cyclohexyl alpha chloroacrylate and butadiene-1,3. A. M. Clifford. 2,456,382, Dec. 14.
Copolymers of iso-olefins with thiophene sulfones and making same. D. W. Young. 2,456,354, Dec. 14.
Core, Magnetic. C. G. Dunn. 2,456,461, Dec. 14.
Core, Magnetic. G. G. Somerville. 2,456,459–60, Dec. 14.
Cotton cleaner. W. F. Speck. 2,456,156, Dec. 14.
Counter, High-speed. M. C. Yeasting. 2,456,101, Dec. 14.
Counting device, Electromagnetic. J. I. Bellamy. 2,456,169, Dec. 14.
Coupling: *See*—
Pipe coupling.
Coupling for tubular members. A. J. Loepsinger. 2,456,203, Dec. 14.
Crystal unit, Dual. R. J. Jahrling. 2,456,421, Dec. 14.
Currying machine. D. L. Jensen. 2,456,197, Dec. 14.
Curtain for focal plane shutters. I. W. Doyle and C. V. Johnson. 2,456,052, Dec. 14.
Curtain rod support. J. Irling. 2,456,000, Dec. 14.
Cutout, Thermal. P. Schell. 2,456,153, Dec. 14.
Cutter: *See*—
Seed potato cutter.
Cyanhydrin esters. V. L. Hansley and J. E. Bristol. 2,456,188, Dec. 14.
Cyanoethyl, aceto-succinic acid esters. E. C. Ladd and H. W. Paxton. 2,456,517, Dec. 14.
Cylinder and piston device, Hydraulic. R. D. Acton. 2,456,236, Dec. 14.
Cylinder construction, Engine. A. T. Gregory. 2,456,272, Dec. 14.
Cylinder for hydraulic brakes, Pressure. A. E. Roy. 2,456,325, Dec. 14.
Dampening mechanism, Piano. H. B. Rhodes. 2,456,321, Dec. 14.
Degreasing. J. J. Skelly and E. K. Ralston. 2,456,335, Dec. 14.
Desk of packing case construction. E. R. Goldfield and R. C. Schiring. 2,455,991, Dec. 14.
Detector, Insulation break. D. Shallot. 2,456,453, Dec. 14.
Determining the approximate amount of oil film on an article, Method and apparatus for. P. F. Trevor. 2,456,342, Dec. 14.
Device for adjusting the blades of ships propellers. E. Atteslander. 2,456,361, Dec. 14.
Device for air bombs, Safety. E. I. Lindman. 2,456,289, Dec. 14.
Device for block molding, Tamping. F. C. George. 2,456,181, Dec. 14.
Device for clamping and locking work in jigs or fixtures. C. P. Green. 2,456,183, Dec. 14.
Device for detecting turn or measuring rate of turn. F. W. Meredith. 2,455,939, Dec. 14.
Device for hair driers, Protection. J. E. Garing. 2,456,180, Dec. 14.
Device for splicing cable. O. C. Roesen. 2,456,149, Dec. 14.
Device for teaching the blind. E. C. Seaman. 2,456,155, Dec. 14.
Device for the mutual and detachable support of two objects. F. Nemec. 2,456,425, Dec. 14.
Device for the transmission of signals by means of frequency-modulated carrier waves. J. van der Mark and T. J. Weyers. 2,455,959, Dec. 14.
Dial scale mechanism. G. Guldbrandsen. 2,456,186, Dec. 14.
Dialkylaminoalkyl benzhydryl ethers and salts thereof. G. Rieveschl, Jr. 2,455,949, Dec. 14.
Diaper washer. W. S. Berry. 2,456,364, Dec. 14.
Diaphragm control valve. F. R. Goehring. 2,456,403, Dec. 14.
Dicyandiamide derivatives, Preparation of novel. J. K. Simons. 2,456,090, Dec. 14.
Die assembly, Chase. F. Auer. 2,456,240, Dec. 14.
Diesel engine air meter. S. Pelc. 2,456,213, Dec. 14.
Digger, Posthole. W. J. McGarr. 2,456,208, Dec. 14.
Digging machine, Potato. L. W. Hogan. 2,456,416, Dec. 14.
Direction signal. P. L. Franck. 2,456,498, Dec. 14.
Discharge device, Electric. J. A. Wainwright. 2,456,474, Dec. 14.
Discharge device for ultra high frequencies, Electron. D. G. Burnside. 2,456,579, Dec. 14.
Discharge tube. T. Hagenberg. 2,455,993, Dec. 14.
Disk plow, Convertible. C. G. Strandlund. 2,456,465, Dec. 14.
Dispenser: *See*—
Insecticide dispenser. Recording liquid dispenser.
Dispenser for stacked articles. J. Liben. 2,456,068, Dec. 14.
Dispensing device. A. Hammerstein. 2,456,504, Dec. 14.
Dispersing a solid polymerization catalyst in a polymerizable thermosetting resin sirup. W. I. Weaver. 2,456,228, Dec. 14.
Display lamp. N. Chirelstein. 2,456,376, Dec. 14.
Display stand. A. E. Johnson. 2,456,064, Dec. 14.
Door check, Hydraulic. D. J. Seaman, A. E. Wood, and C. A. Hathaway. 2,456,537, Dec. 14.
Door lock. L. R. Weeks. 2,456,229, Dec. 14.
Double throw switch. H. W. Graybill. 2,456,502, Dec. 14.
Draft control means for fuel burners. W. S. Landon. 2,456,131, Dec. 14.
Drill support and driving mechanism, Mine. L. J. Fellay and H. H. Kavanaugh. 2,456,056, Dec. 14.
Drum, Barking. B. Branch. 2,456,365, Dec. 14.

Drying compositions, Synthetic. S. O. Greenlee. 2,456,408, Dec. 14.
Drying of sodium nitrite to obtain a relatively noncaking granular form. D. R. Duncan. 2,456,393, Dec. 14.
Drying textiles, Process and apparatus for. P. L. and F. T. Miller. 2,456,301, Dec. 14.
Dyeing nylon-acetate mixed fabric with 3-nitro-4-amino-2'-chlorobiphenyl. J. G. Kern. 2,456,288, Dec. 14.
Dyestuffs and making the same, Gray vat. L. D. Lytle. 2,456,589, Dec. 14.
Edge finishing machine. T. W. Hart. 2,456,123, Dec. 14.
Ejector for vending machines, Article. M. Caruso. 2,455,976, Dec. 14.
Elastic snap ring fastener. J. S. Aber. 2,456,355, Dec. 14.
Electric drive, Continuously adjustable speed. P. J. McLaren, J. A. Vaughan, and M. Fry. 2,456,522, Dec. 14.
Electric fence wire fastener. A. E. Weber. 2,456,547, Dec. 14.
Electric heater. E. C. Adams. 2,455,967, Dec. 14.
Electric lighting. A. L. Arenberg. 2,456,166, Dec. 14.
Electric soldering iron. C. B. Sohns. 2,456,030, Dec. 14.
Electric switch. S. S. Grady. 2,455,927, Dec. 14.
Electrically controlled switch. O. I. Price. 2,455,947, Dec. 14.
Electrode for vacuum discharge apparatus. L. L. Winter. 2,456,099, Dec. 14.
Electrode structure for electron discharge tubes. E. K. Smith. 2,456,540, Dec. 14.
Electron-discharge device, Multielement. P. L. Spencer. 2,455,957, Dec. 14.
Electroplating apparatus. W. L. Grube. 2,456,185, Dec. 14.
Electro-servo system. J. W. Conklin. 2,455,979, Dec. 14.
Eliminator for high altitude oxygen apparatus, Inert gas. D. S. Martin, Jr., N. D. Nachtrieb, and J. E. Seegmiller. 2,456,606, Dec. 14.
Eliminator for seismic recording systems, Interference. R. P. Gilmore. 2,456,401, Dec. 14.
Embalming. T. C. Brogan, Jr. 2,456,108, Dec. 14.
Emulsion polymerization of 2-chloro-1,3-butadiene in the presence of tetraalkyl-diamino-diphenyl-methanes. R. S. Barrows. 2,456,243, Dec. 14.
Engine: *See*—
Combined internal-combustion and turbine engine. — Internal-combustion engine.
Entrapping condensation. A. O. Ackerman. 2,456,238, Dec. 14.
Equipment, Dust separator. E. F. Schoder. 2,456,329, Dec. 14.
Esters of benzenediacetic acids and their polymers, Unsaturated. H. C. Miller. 2,456,210, Dec. 14.
Esters of p-di(omega-hydroxyalkoxy) benzenes. E. O. Ramler. 2,456,318, Dec. 14.
Ethylene polymers, Curing. W. L. Alderson, Jr. 2,455,910, Dec. 14.
Exercising device. C. L. Heimbaugh. 2,456,412, Dec. 14.
Exercising machine, Polio. M. A. Park. 2,456,017, Dec. 14.
Fabrication of polytetrafluoroethylene articles. R. T. Fields. 2,456,262, Dec. 14.
Fastener: *See*—
Elastic snap ring fastener. — Shiftable rotary operative fastener.
Electric fence wire fastener.
Fastener clip. W. H. Churchill. 2,456,553, Dec. 14.
Feed composition, Animal. J. Kamlet and R. P. Reece. 2,456,515, Dec. 14.
Feeding attachment, Auxiliary. W. Johndrew. 2,456,126, Dec. 14.
Film, Nontacky synthetic. C. W. Cooper. 2,456,387, Dec. 14.
Filter: *See*—
Mechanical filter.
Filtering apparatus, Liquid. H. S. Manwaring. 2,456,292, Dec. 14.
Fish canning machine, Expandible tunnel. R. E. J. Nordquist. 2,455,944, Dec. 14.
Flooring, Rubber. W. E. Campaigne. 2,456,373, Dec. 14.
Fluid control valve. W. A. Ray. 2,456,084, Dec. 14.
Fluid controlled feathering means for propellers. H. D. Hurt. 2,456,510, Dec. 14.
Fluid heater. O. Muller. 2,456,564, Dec. 14.
Fluid pump. C. C. Buckner. 2,456,109, Dec. 14.
Fluids with comminuted solids, Treatment of. B. F. Wobker. 2,456,035, Dec. 14.
Flume for air laid wire. H. G. Jordan. 2,456,284, Dec. 14.
Fluorocarbon compound. J. H. Simons. 2,456,028, Dec. 14.
Fluorocarbons, Making. J. H. Simons. 2,456,027, Dec. 14.
Flushing device for douche syringes. W. R. Curry. 2,456,257, Dec. 14.
Focusing of cameras, Automatic. J. Rabinow. 2,456,317, Dec. 14.
Folding box. A. L. Jackson and H. A. Brown. 2,456,419, Dec. 14.
Folding dinette table. W. F. Woods. 2,456,037, Dec. 14.
Footrest and drainage for bathtubs. N. Clark. 2,456,174, Dec. 14.
4-amino-4-methylvaleroalkylamides and preparing them. G. H. Morey. 2,456,590, Dec. 14.
Franking machine, Postal. K. Oden. 2,456,309, Dec. 14.
Front post and windshield construction. K. E. Coppock and G. A. Smith. 2,456,175, Dec. 14.
Fuel supply system. F. Barfod. 2,456,603, Dec. 14.
Fuel supply system. F. Barfod and E. O. Wirth. 2,456,604, Dec. 14.
Fuel supply system. E. O. Wirth and F. Barfod. 2,456,605, Dec. 14.
Furnace, Metallurgical. C. E. Thomas, J. S. Felter, and H. J. Ness. 2,456,469, Dec. 14.
Fuse, Delay arming antidisturbance. J. Taylor. 2,455,958, Dec. 14.
Game board and playing pieces therefor. A. H. Wheeler. 2,456,098, Dec. 14.
Garment, Bust molding and uplifting. M. E. Wittner. 2,456,552, Dec. 14.
Garment, Self-adjusting. H. S. Heilbronner. 2,456,190, Dec. 14.
Garment supporting device for ironing boards. A. M. Harvey. 2,456,411, Dec. 14.
Gas generator. W. M. Buehl and C. B. Shepherd. 2,455,975, Dec. 14.
Gas turbine, Steam and combustion. P. Horsdal. 2,456,417, Dec. 14.
Gatherer for silage harvesters. H. G. Good. 2,456,404, Dec. 14.
Gauge: *See*—
Micrometer bore gauge.
Gear: *See*—
Steering gear.
Generator: *See*—
Acetylene generator. — Gas generator.
Adjustable generator.
Generator with fluid cooling, Thermoelectric. S. K. Malek and M. R. Laing. 2,456,070, Dec. 14.
Geophysical exploration by microwaves. M. Muskat and N. D. Coggeshall. 2,455,940, Dec. 14.
Geophysical exploration of boreholes by microwaves. N. D. Coggeshall and M. Muskat. 2,455,942, Dec. 14.
Geophysical prospecting in boreholes by microwaves. M. Muskat and N. D. Coggeshall. 2,455,941, Dec. 14.
Glare screen. L. A. Bell. 2,456,484, Dec. 14.
Glass, Fluoborate. K. Sun. 2,456,033, Dec. 14.
Goggle, Protective. H. F. Shindel. 2,456,334, Dec. 14.
Golf target unit, Simulated. M. L. Richardson. 2,456,322, Dec. 14.
Golf tee. S. G. Isserstedt. 2,456,511, Dec. 14.
Grille, Outlet. G. R. Goldthwaite. 2,456,058, Dec. 14.
Grinder, Rotor. J. H. Hoern and C. G. Pardee. 2,456,060, Dec. 14.
Grinder, Surface. J. W. Parker. 2,456,079, Dec. 14.
Grinding apparatus with upper gyratory drive. G. N. Rowley. 2,456,150, Dec. 14.
Grinding machine and footstock thereof. E. Bugatti. 2,456,252, Dec. 14.
Grinding machine, Gear. I. J. Gruenberg and S. G. Brady. 2,456,410, Dec. 14.
Grinding machine, Knife blade. H. W. Barnard, C. O. Johnson, and F. P. Carey. 2,456,482, Dec. 14.
Grommet, Rubber. E. V. Schneider. 2,456,087, Dec. 14.
Guard, Splash. G. Martinelli and H. M. McMann. 2,456,206, Dec. 14.
Gun sight control, Electrical. P. R. Wheeler. 2,455,963, Dec. 14.
Gun, Welding. H. V. Beronius. 2,456,106, Dec. 14.
Gyratory screen. F. J. Berry. 2,456,248, Dec. 14.
Gyroscope precessor and follow-up. E. J. Poitras and J. D. Tear. 2,456,020, Dec. 14.
Handle bar. A. Gazda. 2,456,267, Dec. 14.
Hanger: *See*—
Trouser hanger.
Hanger for cream separators or like machines, Hinged motor. W. M. Scircle. 2,456,088, Dec. 14.
Headdress. F. Whitney. 2,456,352, Dec. 14.
Heat exchanger. W. M. Simpson. 2,456,455, Dec. 14.
Heater: *See*—
Electric heater. — Water heater.
Fluid heater.
Heater and making same, Electric. W. R. Tuttle. 2,456,343, Dec. 14.
Heater for burning coal and other solid fuel, Smokeless. W. A. Stuckey and M. Gregurich. 2,456,570, Dec. 14.
Heating element. H. Lee. 2,456,201, Dec. 14.
Heating unit. H. Lee. 2,456,202, Dec. 14.
Heating unit, Convector. A. G. Dixon. 2,456,492, Dec. 14.
Heel counter reenforcement. J. Agostinelli. 2,456,102, Dec. 14.
Helicopter with coaxial rotors. V. Bendix. 2,456,485, Dec. 14.
Hoist, Cargo. N. P. E. Andersen. 2,456,104, Dec. 14.
Holder: *See*—
Key holder. — Switch box holder.
Keyway cutter holder. — Wheel mounting holder.
Holder for precision indicators, Adjustable. R. D. Collins. 2,456,383, Dec. 14.
Holder for thermionic valves and other electrical devices. G. Wagstaff. 2,456,572, Dec. 14.
Hollow articles, Molding of. T. L. Johnson. 2,456,513, Dec. 14.

Hook: *See*—
Suspension hook.
Housing, Centrifugal blower. R. H. Brown. 2,456,488, Dec. 14.
Hydraulic fluid. K. E. Walker. 2,455,961, Dec. 14.
Hydraulic jack. L. Berg. 2,456,105, Dec. 14.
Hydraulic pressure intensifier unit. G. R. Elliott. 2,455,984, Dec. 14.
Hydrocarbon conversion. A. Dyduszynski. 2,456,557, Dec. 14.
Hydrocarbon oils with finely divided catalyst, Conversion of. E. W. S. Nicholson. 2,456,306, Dec. 14.
Hydrogen cyanide, Manufacture of. L. Fallows and E. V. Mellers. 2,455,987, Dec. 14.
Hydrogen fluoride, Manufacture of. A. C. Hopkins, Jr., R. M. Stephenson, and W. E. Watson. 2,456,509, Dec. 14.
Hydrogen meter. C. C. Watson. 2,456,163, Dec. 14.
Ignition plug. W. Pe. 2,456,080, Dec. 14.
Ignition system. E. F. Wargin, J. R. Harkness, and D. C. Peroutky. 2,456,475, Dec. 14.
Ignition timing. G. E. Beardsley, Jr., and C. W. Laubin. 2,456,042, Dec. 14.
Implement, Tractor mounted. R. D. Acton. 2,456,237, Dec. 14.
Index head. N. M. Marsilius. 2,456,007, Dec. 14.
Induction apparatus and forming same, Electromagnetic. G. G. Somerville. 2,456,457–8, Dec. 14.
Inductive device, Coated. J. Shaheen. 2,456,219, Dec. 14.
Inductor for high-frequency induction heating. N. B. Stevens and P. R. Capolongo. 2,456,091, Dec. 14.
Information posting board. W. Thorpe. 2,456,226, Dec. 14.
Inhaler. D. A. Seaver. 2,456,451, Dec. 14.
Inking system for printing machines. E. J. Janke. 2,456,282, Dec. 10.
Insecticide dispenser. W. L. Roessner. 2,456,324, Dec. 14.
Instrument, Dental surveying. C. J. Ringle and R. W. Smith. 2,456,447, Dec. 14.
Instrument, Electrical measuring. H. A. Bernreuter. 2,456,171, Dec. 14.
Instrument lighting. J. M. Roper and M. K. Laufer. 2,455,951, Dec. 14.
Instrument, Musical. J. W. McBride. 2,456,008, Dec. 14.
Internal-combustion engine. J. M. Caldwell. 2,456,110, Dec. 14.
Inverter system. A. V. Loughren. 2,456,204, Dec. 14.
Iron: *See*—
Electric soldering iron.
Iron castings, Producing white cast. O. Smalley. 2,455,954, Dec. 14.
Ironing machine. A. R. Constantine. 2,456,385, Dec. 14.
Jack: *See*—
Hydraulic jack. — Vehicle bumper jack.
Jack support. K. F. Semisch. 2,456,218, Dec. 14.
Joint: *See*—
Two-part clothespin with pivot joint.
Joint assembly, Flexible. L. E. Goble. 2,456,182, Dec. 14.
Joint composition, Plastic. J. W. Gill. 2,456,269, Dec. 14.
Ketenes with esters of keto acids, Condensation of. H. J. Hagemeyer, Jr. 2,456,503, Dec. 14.
Keyboard, Decatonic. L. Young. 2,456,575, Dec. 14.
Key holder. E. J. Baker. 2,455,968, Dec. 14.
Keyway cutter holder. W. J. Boyd, Jr. 2,455,973, Dec. 14.
Knee pad. D. F. Turner. 2,456,472, Dec. 14.
Laminated material, Bituminous. W. F. Fair, Jr. 2,455,923, Dec. 14.
Lamp: *See*—
Display lamp.
Lamp shade. R. A. Hanlin. 2,455,994, Dec. 14.
Lapping machine, Double end center. G. Hohwart. 2,456,061, Dec. 14.
Lasting machine. C. W. Baker. 2,455,969, Dec. 14.
Latching, unlatching, and ejecting means for windows and doors, Combination. N. C. Steinicke. 2,456,464, Dec. 14.
Lathe, Multiple spindle. C. E. Miller and J. M. Ingalls. 2,456,139, Dec. 14.
Lead burning. A. E. Hughes. 2,456,194, Dec. 14.
Lead coating ferrous articles. W. Yonkman. 2,456,235, Dec. 14.
Lead nitroaminoguanidine, Preparing. L. V. Clark. 2,456,583, Dec. 14.
Leg brace. G. A. Burrows. 2,456,046, Dec. 14.
Lens for correcting scanning defects, Magnetic. C. V. Bocciarelli. 2,455,977, Dec. 14.
Level measurement and control, Liquid. A. Wolf. 2,456,233, Dec. 14.
Lid for containers, Liner. S. Shaffer. 2,456,607, Dec. 14.
Light for vehicles, Warning. J. D. Kennelly. 2,456,287, Dec. 14.
Light-sensitive materials, Diazotype. D. Johnston. 2,456,514, Dec. 14.
Light system for knitting machines. M. Violandi. 2,456,160, Dec. 14.
Lighting standard, Street. H. J. Finer. 2,456,179, Dec. 14.
Lipstick dress protector. D. Evenwell. 2,455,986, Dec. 14.
Load breaking device, Electrical. P. B. Hoye. 2,455,998, Dec. 14.
Lock: *See*—
Door lock.
Locking and adjusting device. C. B. Kidney. 2,456,516, Dec. 14.
Locking device. R. S. Ward. 2,456,349, Dec. 14.
Locking device for rocking chairs. A. J. Belisle. 2,456,043, Dec. 14.
Locking device for the sliding members of extensible frames. D. A. Eberhardt. 2,456,054, Dec. 14.
Lubricants. J. G. Ford and R. N. Wenzel. 2,456,496, Dec. 14.
Lubricating device. H. L. Giwosky and P. Ketelsen. 2,456,270, Dec. 14.
Lubricating device for sewing machines. F. Parry. 2,456,591, Dec. 14.
Machine for and banding boxes. W. E. Grupe. 2,456,059, Dec. 14.
Machine for applying fasteners to web material. C. H. Lofgreen. 2,456,433, Dec. 14.
Machine for drilling capstan head screws. W. B. Burke. 2,456,245, Dec. 14.
Machine for machining arcuate surfaces. E. Barker. 2,456,041, Dec. 14.
Machine for producing screwthreads. A. Green. 2,456,407, Dec. 14.
Machine for the manufacture of metal grains. R. Morane and R. Martinet. 2,456,439, Dec. 14.
Magnetron. R. C. Schmidt. 2,455,952, Dec. 14.
Magnifying lens and punch or the like, Combination. H. L. Bowditch. 2,455,972, Dec. 14.
Manicure apparatus. N. C. Rebo. 2,456,022, Dec. 14.
Manual reset valve. E. Paille. 2,456,078, Dec. 14.
Marking device, Sextant. I. W. Doyle. 2,456,392, Dec. 14.
Measuring the electrical properties and surface characteristics of materials, Method of and apparatus for. M. Muskat and N. D. Coggeshall. 2,456,012, Dec. 14.
Mechanical filter. E. Seifert. 2,456,025, Dec. 14.
Metacresol-1,3,4-xylenol, Preparing. F. E. Cislak and M. M. Otto. 2,456,581, Dec. 14.
Meter: *See*—
Diesel engine air meter. — Hydrogen meter.
Metering system, Salinity. A. M. Feller. 2,456,117, Dec. 14.
Methylamines, Preparing. E. F. Smith. 2,456,599, Dec. 14.
Micrometer bore gauge. H. R. Forsmark. 2,456,497, Dec. 14.
Mill with discharge openings in the liner, Drum grinding. D. W. Gates. 2,456,266, Dec. 14.
Mixer: *See*—
Concrete feed and fertilizer mixer.
Modulator or employing trigger circuit. E. R. Shenk and A. Liguori. 2,456,026, Dec. 14.
Modulator, Wide band frequency. E. R. Shenk and A. Liguori. 2,456,089, Dec. 14.
Mold. C. C. Waterbury. 2,456,162, Dec. 14.
Molding machine, Injection. C. Jobst. 2,456,423, Dec. 14.
Molding of extensive articles, Step-by-step. J. A. Dorner. 2,456,113, Dec. 14.
Monitoring underwater echo range and bearing systems, Method and apparatus for. O. H. Schuck. 2,456,598, Dec. 14.
Monoazo compound, Chromed. W. Widmer. 2,456,230, Dec. 14.
Monomeric addition products of azobisformates and polyfluoroethylenes. R. D. Cramer. 2,456,176, Dec. 14.
Motor attachment for tractors. J. J. Pettipiece. 2,456,019, Dec. 14.
Motor control system, Electric. S. W. Herwald and H. M. Watson. 2,456,508, Dec. 14.
Motor control system, Electrical. E. L. C. White, M. G. Harker, and J. P. W. Houchin. 2,456,573, Dec. 14.
Motor fuel. A. I. Smith. 2,456,569, Dec. 14.
Motor protective device. G. B. Starie. 2,456,463, Dec. 14.
Mount, Camera lens. I. W. Doyle. 2,456,053, Dec. 14.
Mounting: *See*—
Rearview mirror mounting. — Valve mounting.
Semirimless opthalmic mounting.
Muffler for internal-combustion engines. G. V. Johnson. 2,456,512, Dec. 14.
Muffler, Wet-type water-separating steam-inhibiting exhaust. G. Wohlberg. 2,455,965, Dec. 14.
Multiple spark circuit. F. W. Ofeldt. 2,456,076, Dec. 14.
N-alkyl polymeric amic acids and coating compositions containing them. M. E. Cupery. 2,456,177, Dec. 14.
N'-dodecanoylsulfanilamides. M. E. Hultquist and E. H. Northey. 2,456,051, Dec. 14.
N-methyl aniline, Making. E. C. Hughes. 2,455,931, Dec. 14.
Nailing machine. G. E. Stilwell and G. C. Paxton. 2,456,221, Dec. 14.
Nitriles from certain olefins and HCN, Production of. C. R. Harris and W. W. De Atley. 2,455,995, Dec. 14.
Nitrohydroxy compounds, Production of. H. B. Haas and J. F. Bourland. 2,456,585, Dec. 14.
Nonmetallic bodies, Metallizing. L. Pessel. 2,456,082, Dec. 14.
Nonskid device applier and remover. D. F. Miller and F. Pusiecki. 2,456,438, Dec. 14.

Nozzle with automatic cutoff, Dispensing. D. Biermann. 2,456,044, Dec. 14.
Oil composition, Soluble. R. M. Koppenhoefer. 2,456,587, Dec. 14.
Opener, Can. W. J. Noblett. 2,456,307, Dec. 14.
Opener, Envelope. E. C. Metzger. 2,456,436, Dec. 14.
Optical transmission filters by thermal evaporation, Making. M. H. Axler and K. F. Tripp. 2,456,241, Dec. 14.
Organo-silicones, Preparing. J. F. Hyde. 2,455,999, Dec. 14.
Ornament, Head. C. Arkus. 2,456,167, Dec. 14.
Oscillator, Electromechanical. M. Morrison. 2,456,442, Dec. 14.
Oscillator, High-frequency. E. G. James. 2,456,422, Dec. 14.
Oscillator, Keyed. R. P. Owen. 2,456,016, Dec. 14.
Oscillator, Keyed. F. B. Wilson. 2,456,550, Dec. 14.
Overload responsive system for controlling feed and operation of crushing apparatus. R. C. Newhouse. 2,456,074, Dec. 14.
Pack carrier. G. E. Bushey. 2,456,253, Dec. 14.
Pad: *See*—
Knee pad.
P-amino phenyl-p'-amino pyridyl sulfone and making the same. M. Dobrn and O. Lauberean. 2,456,258, Dec. 14.
Packsack. A. C. Bernau. 2,456,247, Dec. 14.
Package and display, Hardware. R. C. Seyforth. 2,456,332, Dec. 14.
Package, Carboy. O. Z. Brewer. 2,456,107, Dec. 14.
Packing gasket and static seal. J. S. Aber. 2,456,356, Dec. 14.
Paraformaldehyde compositions. J. F. Walker. 2,456,161, Dec. 14.
Parking stand and mounting therefor. F. W. Schwinn. 2,456,536, Dec. 14.
Partition structure, Interlocking. T. Carrozza. 2,456,049, Dec. 14.
Peeling machine having rotary radial cutter blades with fan portions, Coconut. O. G. Rieske. 2,456,446, Dec. 14.
Pen. A. Winter. 2,455,964, Dec. 14.
Pen, Fountain. J. W. Welsh. 2,456,602, Dec. 14.
Permutation ignition switch. G. F. Miller. 2,456,010, Dec. 14.
pH of synthetic elastomer latices, Adjusting the. H. K. Livington. 2,456,069, Dec. 14.
Phenol by catalytic oxidation of benzene, Production of. C. H. Schlesman, W. I. Denton, and R. B. Bishop. 2,456,597, Dec. 14.
Photochlorination of acetylene. O. W. Cass. 2,456,173, Dec. 14.
Pigment compositions. B. C. Pratt. 2,456,313, Dec. 14.
Pipe coupling. W. H. J. Brock. 2,456,045, Dec. 14.
Pipe, Irrigation, and constructing same. A. Giannopulos. 2,456,400, Dec. 14.
Pipe union for air compressors. R. E. Lamberton. 2,456,200, Dec. 14.
Plastic cork composition, Making a. J. Ehrlich. 2,455,921, Dec. 14.
Plug: *See*—
Ignition plug.
Plug and socket, Electrical. L. Weiner and B. I. Bell. 2,456,548, Dec. 14.
Plug receptacle. H. Hubbell. 2,455,930, Dec. 14.
Polyallyl amine and related polymeric amines. J. H. Parker. 2,456,428, Dec. 14.
Polyamides plasticized with a mixture of phenol and ester type plasticizers. G. T. Vaala. 2,456,344, Dec. 14.
Polychloroprene compositions, Self-curing. L. S. Bake. 2,455,911, Dec. 14.
Polyesters of mercaptodicarboxylic acids with dihydric alcohols, Saturated linear. B. C. Pratt. 2,456,314, Dec. 14.
Polymerization. D. A. Swedlow. 2,456,093, Dec. 14.
Polymerization of olefinic hydrocarbons, Catalytic. J. J. Stadtherr. 2,456,338, Dec. 14.
Polymerization of styrene and related compounds. S. E. Glick. 2,456,558, Dec. 14.
Polymers from carbylamine and carboxylic compounds, Production of. H. Dreyfus. 2,455,983, Dec. 14.
Polymers of trifluoroethylene and obtaining them. D. D. Coffman and T. A. Ford. 2,456,255, Dec. 14.
Polyvinyl acetal compositions, Plasticized. B. C. Bren and J. O. White. 2,456,366, Dec. 14.
Polyvinyl acetal resin compositions. R. H. Hunt. 2,456,413, Dec. 14.
Polyvinyl alcohol coatings, Gelling of. W. G. Lowe. 2,455,936, Dec. 14.
Polyvinyl alcohol coatings, Preparation of hardened. W. G. Lowe. 2,455,937, Dec. 14.
Portable electric tool. E. P. Turner and R. Happe. 2,456,571, Dec. 14.
Poultry house. J. D. Burkholder, Jr. 2,456,489, Dec. 14.
Power transmission. T. Iavelli and V. E. Matulaitis. 2,455,933, Dec. 14.
Power transmission. C. A. Neracher, W. T. Dunn, T. Iavelli, and A. J. Syrovy. 2,455,943, Dec. 14.
Preparation and isolation of ethylene chlorohydrin. C. Weizmann. 2,456,350, Dec. 14.
Preparing nordihydroguaiaretic acid and intermediates. G. P. Mueller, E. T. Stiller, and S. V. Lieberman. 2,456,443, Dec. 14.
Prerinsing apparatus for container washers. E. R. Alling and J. C. Knepflar. 2,456,040, Dec. 14.
Pressing machine tail clamp. O. H. Pearson. 2,456,145, Dec. 14.
Pressure cooker cover structure. W. C. Lueneburg. 2,456,134, Dec. 14.
Pressure sheeting of dough. J. Buechek. 2,456,371, Dec. 14.
Prevention of siliceous deposits in hydrocarbon conversion processes. P. M. Waddill. 2,456,348, Dec. 14.
Printing machine. J. H. Gruver and H. A. Seeley. 2,456,273, Dec. 14.
Prism system and prism system mount for optical viewing instruments. B. T. Maxwell. 2,456,521, Dec. 14.
Process and paste for printing fabrics made of cellulose, such as textile fabrics, paper and the like, with chromium mordant dyestuffs. E. Tschan. 2,456,471, Dec. 14.
Producing commercial castings. R. Neiman. 2,456,424, Dec. 14.
Producing electrodeposited nickel strip containing boron. M. P. Buck. 2,456,370, Dec. 14.
Production of organic mercaptans. A. Loverde. 2,456,588, Dec. 14.
Projection apparatus and diapositive adjustment means, Photogrammetric. J. V. Sharp and O. W. Boughton. 2,456,333, Dec. 14.
Projection apparatus, Visual inspection. R. D. McDill. 2,456,296, Dec. 14.
Projector for game boards, Spring-actuated. L. Colaluca. 2,455,978, Dec. 14.
Projector lamp housing and cooling system therefor. O. R. Nemeth. 2,456,530, Dec. 14.
Projector, Motion-picture. R. A. Clapp. 2,455,918, Dec. 14.
Propelling device. H. M. Morrill. 2,456,440, Dec. 14.
Protective system for electric motors. H. S. Ogden. 2,456,427, Dec. 14.
Protector: *See*—
Bolt protector. Lipstick dress protector.
Protector for the doors of vehicles. R. W. Tadd. 2,456,157, Dec. 14.
Protein hydrolysis. D. Melnick. 2,456,297, Dec. 14.
Pump: *See*—
Fluid pump.
Pump. G. E. Peters and L. E. Russell. 2,455,946, Dec. 14.
Pump and impeller therefor. J. S. Kessler. 2,456,128, Dec. 14.
Pump construction. D. B. Stricklin. 2,456,339, Dec. 14.
Pump control system, Oil well. G. A. Smith. 2,456,456, Dec. 14.
Pump for clearing water traps. R. Storevik. 2,456,092, Dec. 14.
Pump for gaseous working fluids. R. Lipscomb. 2,456,133, Dec. 14.
Pumping system, Pneumatic. C. Yeomans. 2,456,574, Dec. 14.
Purification of diaryl monosulfides. E. E. Gilbert and H. D. Segool. 2,456,500, Dec. 14.
Purification of tetrachlorethylene. W. C. Greenwald. 2,456,184, Dec. 14.
Rack: *See*—
Tie rack.
Rack for automobiles, Clothes. J. E. Mogan. 2,456,303, Dec. 14.
Radiating horn. J. R. Risser and R. J. Wlodkowski. 2,456,323, Dec. 14.
Radio testing system, Frequency modulated. R. L. Harvey. 2,455,996, Dec. 14.
Razorstrop composition. W. O. Flatt. 2,456,263, Dec. 14.
Reaction product of n-substituted polyamides with hydroxylated materials and obtaining same. B. Graham. 2,456,271, Dec. 14.
Rearview mirror mounting. R. Daon. 2,455,919, Dec. 14.
Receptacle: *See*—
Plug receptacle.
Receptacle closure means. G. Keith. 2,456,560, Dec. 14.
Recording liquid dispenser. H. R. Wheeler and J. A. Kofalt. 2,455,962, Dec. 14.
Recovering olefins from a hydrocarbon stream. A. A. Draeger. 2,456,260, Dec. 14.
Reed for wind instruments, Perforated. J. Miller. 2,456,299, Dec. 14.
Reed for wind instruments, Reversible. J. Miller. 2,456,298, Dec. 14.
Reel: *See*—
Clothesline reel. Thread advancing reel.
Refining of inositol solutions. M. J. Thomas. 2,456,470, Dec. 14.
Refrigeration unit with controls therefor, Cascade. H. C. Cooper. 2,456,386, Dec. 14.
Regulating system, Current. R. W. Holman. 2,455,997, Dec. 14.
Regulator: *See*—
Voltage regulator.
Regulator. L. M. Patrick. 2,456,212, Dec. 14.
Relay, Differential. J. Stoecklin. 2,456,541, Dec. 14.
Relay, Electrical. A. E. Dodd. 2,456,112, Dec. 14.
Relay yoke. F. E. Wood. 2,456,036, Dec. 14.
Remote-control adjustable mirror. F. J. Aves. 2,456,362, Dec. 14.
Removing incrustations from lead anodes used for chromium plating. J. Hyner. 2,456,281, Dec. 14.
Repeater, Voice operated antisinging. F. J. Biltz. 2,455,914, Dec. 14.
Resin-bonded composite product, Manufacturing a. W. R. Hickler. 2,456,006, Dec. 14.

Resin for stabilizing textiles, Aqueous urea formaldehyde. P. S. Hewett. 2,456,191, Dec. 14.
Resins and making, Complex. H. L. Allen and E. G. Kerr. 2,456,357, Dec. 14.
Resins and making, Thermoplastic. H. L. Allen and E. G. Kerr. 2,456,358, Dec. 14.
Resins prepared by condensing sulfophthalic anhydride and xylene, Cation-exchange. S. P. Rowland. 2,456,085, Dec. 14.
Resistor, Low torque toroidal. G. M. Giannini. 2,456,261, Dec. 14.
Retarder, Thermal. C. M. Osterheld. 2,456,142, Dec. 14.
Retreading device, Tire. H. V. James. 2,456,063, Dec 14.
Reverse flow by-pass valve. N. Plank. 2,456,566, Dec. 14.
Ridge blocker, Irrigation. K. D. Priestley. 2,456,083, Dec. 14.
Rifle, Gas operated automatic. A. V. Ljutic. 2,456,290, Dec. 14.
Rig, Fishing. R. P. Caruso. 2,456,254, Dec. 14.
Riveter, Automatic multiple. W. Johndrew. 2,456,125, Dec. 14.
Riveting machine. W. Johndrew. 2,456,127, Dec. 14.
Rod bender. P. L. Perazzo. 2,456,532, Dec. 14.
Rolling baking dough. J. Buechek. 2,456,372, Dec. 14.
Rubber, Treatment of. W. Scott. 2,456,154, Dec. 14.
Safety device for firearms. L. P. Gaugler. 2,455,990, Dec. 14.
Sanding machine. L. L. Rothrock. 2,456,217, Dec. 14.
Screen: *See*—
Glare screen. Gyratory screen.
Screen with rubber-covered cylindrical clamping means, Rod deck. R. C. Newhouse. 2,456,075, Dec. 14.
Seal, Well-head. A. J. Penick. 2,456,081, Dec. 14.
Sealing device. J. Naab. 2,456,529, Dec. 14.
Sealing means, Member. L. A. Kempton. 2,456,066, Dec. 14.
Secondary alkyl(secondary)amino alcohol esters of aryl-substituted aliphatic acids. A. C. Cope. 2,456,555, Dec. 14.
Secondary-alkyl(secondary)amino alcohol esters of para-dialkyl amino benzoic acid. A. C. Cope. 2,456,556, Dec. 14.
Sectional type boiler. W. S. Anderson, Jr. 2,456,239, Dec. 14.
Securing a canvas to a frame. C. E. Thomas. 2,456,225, Dec. 14.
Securing device. M. H. Abramson. 2,456,039, Dec. 14.
Seed potato cutter. W. Burns. 2,456,172, Dec. 14.
Selective propulsion means for amphibious craft. M. B. Anderson. 2,456,478, Dec. 14.
Self-loading vehicle. O. F. Manthie. 2,456,434, Dec. 14.
Semirimless ophthalmic mounting. S. Markell. 2,456,293, Dec. 14.
Separating 2,4 lutidine and 2,5 lutidine. F. E. Cislak and M. M. Otto. 2,456,377, Dec. 14.
Separation of isometric xylenols. F. E. Cislak and M. M. Otto. 2,456,582, Dec. 14.
Separator: *See*—
Centrifugal separator.
Continuous sediment separator.
Servomotor, Fluid pressure. R. M. Nardone. 2,456,211, Dec. 14.
Setback means for pumping units. E. W. Patterson. 2,456,531, Dec. 14.
Sharpener, Lawn mower. O. G. Craver, Sr. 2,456,389, Dec. 14.
Sheet insulating materials, Composite bonded. W. A. Boughton, C. L. Dawes, and W. R. Mansfield. 2,456,251, Dec. 14.
Shield for telephone transmitters, Sound. P. S. Veneklasen. 2,456,346, Dec. 14.
Shiftable rotary operative fastener. F. E. Johnson. 2,456,559, Dec. 14.
Shock-absorbing device for pivots of watch balance staffs. A. Marchand. 2,456,071, Dec. 14.
Shoe support. K. W. Macdonald. 2,456,135, Dec. 14.
Sight for firearms, Peep. B. Poe. 2,456,214, Dec. 14.
Signal: *See*—
Direction signal.
Signal and circuits therefor, Directional. B. F. Bailey. 2,456,242, Dec. 14.
Signal device, Commercial phonograph. L. P. Petruschell. 2,456,392, Dec. 14.
Signal device, Low brake pressure. J. D. Kennelly. 2,456,286, Dec. 14.
Silver brazing alloy containing indium. J. F. Polak. 2,456,593, Dec. 14.
Sink. M. J. Just. 2,456,065, Dec. 14.
Sintering ores, Art of. R. L. Manegold and I. H. Wynne. 2,456,136, Dec. 14.
Siren top. O. Thoresen. 2,456,341, Dec. 14.
Ski brake. C. Jonette. 2,456,002, Dec. 14.
Ski pole. J. Magder. 2,456,205, Dec. 14.
Slabbing cakes. J. H. Sauter and J. E. Byrne. 2,456,327, Dec. 14.
Soap composition, Nondusting, and making same. G. D. Miles. 2,456,437, Dec. 14.
Socket, Lamp. G. H. Goble. 2,456,501, Dec. 14.
Sodium catalyst and preparation thereof, Supported. G. A. Mills. 2,456,525, Dec. 14.
Solenoid and plunger, Nonchattering alternating current. H. Y. Fisher. 2,456,394, Dec. 14.
Solution of linear simultaneous equations, Automatic. G. W. Brown. 2,455,974, Dec. 14.
Sound translating head, Magnetic. L. B. Cornwell. 2,456,388, Dec. 14.
Spectrometer system, Mass. A. Nier and E. P. Ney. 2,456,426, Dec. 14.
Split roll for briquetting machines or the like. G. M. Dallas and B. M. Fine. 2,455,980, Dec. 14.
Stabilization of polyvinyl butyral resins. G. S. Stamatoff. 2,456,462, Dec. 14.
Stabilizer for moineau pumps, Coupling. J. B. Wade. 2,456,227, Dec. 14.
Stabilizing inorganic oxide gels against wetting. E. A. Bodkin and J. W. Payne. 2,456,577, Dec. 14.
Stabilizing inorganic oxide gels against wetting. E. A. Bodkin and J. W. Payne. 2,456,578, Dec. 14.
Stabilizing treating of inorganic oxide gels against wetting. E. A. Bodkin and J. W. Payne. 2,456,576, Dec. 14.
Stall cock for milking machines. W. H. Harstick. 2,456,276, Dec. 14.
Stanchion connection. D. E. Austin. 2,456,480, Dec. 14.
Sand: *See*—
Display stand.
Stationary cutter with rotary drum feed for cutting sugar cane into seed lengths. R. J. Moyle. 2,456,528, Dec. 14.
Steam-press iron and steam baffle and separator therefor. F. Busch and A. J. Nelson. 2,456,490, Dec. 14.
Steering gear. W. K. Creson and R. H. Jordan. 2,456,390, Dec. 14.
Sterile distribution and drawoff system. R. H. Schneider. 2,456,152, Dec. 14.
Stop motion for looms, Pick controlled. C. W. Howell and G. L. Elderbaum. 2,456,193, Dec. 14.
Stop motion mechanism for narrow fabric looms. W. Pruitt. 2,456,021, Dec. 14.
Storm window, Inside. M. W. Berghoff. 2,456,486, Dec. 14.
Stove for burning liquid fuel and burner control mechanism therefor, Portable. B. Robinson. 2,455,950, Dec. 14.
Strap, Safety wrist watch. H. R. Read. 2,456,319, Dec. 14.
Stretcher carrier for ambulances, Foldable. E. L. Schofield. 2,456,024, Dec. 14.
Stripping of spent catalyst in hydrocarbon conversion processes. D. Read, Jr. 2,456,148, Dec. 14.
Stroboscopic projector of the continuously moving film type. J. Brosius, Jr. 2,456,487, Dec. 14.
Structure for aircraft, Wing-tip float. G. A. Smith. 2,455,955, Dec. 14.
Stylus construction. B. B. Bauer. 2,455,913, Dec. 14.
Support: *See*—
Curtain rod support. Universal indicator support.
Jack support.
Shoe support.
Support for electric wiring, Insulating. H. Dorjée. 2,456,259, Dec. 14.
Supported aluminum chloride catalysts, Preparation of. W. H. Rupp and C. T. Harding. 2,456,326, Dec. 14.
Supporting device. L. M. Mocnik. 2,456,302, Dec. 14.
Supporting structure, Folding stool. R. B. Long. 2,456,519, Dec. 14.
Surface active agents, Production of. B. S. Friedman and G. L. Hervert. 2,456,119, Dec. 14.
Surgical table. M. G. Heitz-Boyer. 2,456,277, Dec. 14.
Suspension hook. C. H. Carter. 2,456,374, Dec. 14.
Switch: *See*—
Double throw switch. Permutation ignition switch.
Electric switch.
Electrically controlled switch.
Switch box holder. J. L. Sauter. 2,456,450, Dec. 14.
Switch control means for slicing machines. M. Brustowsky. 2,456,369, Dec. 14.
Switching device, Remote control. D. G. Crowley. 2,456,256, Dec. 14.
Synthesis of chloral. T. H. Vaughn. 2,456,545, Dec. 14.
Synthesis of riboflavin. L. A. Flexser and W. G. Farkas. 2,456,395, Dec. 14.
Synthesizing carbazole. F. E. Cislak and A. L. Kranzfelder. 2,456,378, Dec. 14.
Synthetic resins, Continuous process for the manufacture of. H. G. Houlton. 2,456,192, Dec. 14.
Syringe, Hypodermic ampoule. G. E. Jones. 2,456,001, Dec. 14.
Table: *See*—
Automobile service table. Surgical table.
Folding dinette table.
Table construction. W. A. Hillenbrand. 2,456,415, Dec. 14.
Tacker. K. F. Morberg. 2,456,526, Dec. 14.
Tampons, Manufacture of absorbent. H. Ganz. 2,455,925, Dec. 14.
Tape advancing and retracting means. F. W. Heyel. 2,456,414, Dec. 14.
Target machine, Moving. N. Suydam. 2,456,034, Dec. 14.
Telemetering apparatus. F. G. Patterson and M. W. Sims. 2,456,430, Dec. 14.
Tennis racket. I. L. Rosenbalm. 2,456,023, Dec. 14.
Terminal member. C. J. Foster. 2,456,118, Dec. 14.
Tetramethylethylene oxide, Polymerized. T. L. Cairns and R. M. Joyce, Jr. 2,455,912, Dec. 14.
Textile treating resins. M. J. Scott and S. H. Rider. 2,456,568, Dec. 14.

Textile wax compositions. G. D. Jefferson. 2,456,283, Dec. 14.
Thermal-stretching apparatus for yarn. R. F. Conaway. 2,456,384, Dec. 14.
Thermometer and thermostatically operable electric signaling device. E. F. Inwanski. 2,456,062, Dec. 14.
Thread advancing reel. W. H. Furness. 2,456,120, Dec. 14.
Thread feed arresting device. J. T. Gordon and R. E. Solliday. 2,456,406, Dec. 14.
Tie rack. G. S. Moore. 2,456,527, Dec. 14.
Tie rod joint seal. A. Venditty. 2,456,546, Dec. 14.
Time controlled valve. P. B. Drane and C. D. Laidley. 2,456,493, Dec. 14.
Time delay electronic apparatus, Variable. D. E. Sunstein. 2,456,466, Dec. 14.
Time zone watch. I. Gulden. 2,456,122, Dec. 14.
Timing device. E. S. Peterson. 2,456,018, Dec. 14.
Tire antiskid device, Vehicle. J. Turner. 2,456,473, Dec. 14.
Toaster. H. F. Malone. 2,456,291, Dec. 14.
Toggle clamp. J. W. Wood. 2,456,100, Dec. 14.
Toilet, Ventilated. A. P. Riedele. 2,456,534, Dec. 14.
Tool: *See*—
  Portable electric tool.
Tool for soil cultivation, Garden hand. B. Vale. 2,456,345, Dec. 14.
Tracer and automatic pattern feed. W. L. Tancred. 2,456,158, Dec. 14.
Tractor implement. J. C. Collins. 2,456,491, Dec. 14.
Traffic control system for railroads, Centralized. N. D. Preston and F. B. Hitchcock. 2,456,533, Dec. 14.
Trailer, Collapsible. A. M. Nelson. 2,456,013, Dec. 14.
Transformer, Electrical. A. C. Wall. 2,455,960, Dec. 14.
Transmission. R. Lapsley. 2,456,132, Dec. 14.
Transmission belts, Making. R. S. Carter and M. L. Dorf. 2,456,580, Dec. 14.
Transmission, Hydraulic. E. Orshansky, Jr. 2,456,077, Dec. 14.
Transmission, Variable speed. A. G. Schneider. 2,456,328, Dec. 14.
Transmission, Variable-speed. N. S. Trout, Jr. 2,456,600, Dec. 14.
Transmitter or receiver, Underwater sound. F. Massa. 2,456,294, Dec. 14.
Transparent plastic, Laminated. D. A. Swedlow. 2,456,467, Dec. 14.
Tray, Rigid lightweight metal. W. G. Ballantyne and J. A. Thompson. 2,456,481, Dec. 14.
Trimming machine, Flash. A. H. Lewis. 2,456,432, Dec. 14.
Trouser hanger. E. J. Neaves. 2,456,014, Dec. 14.
Truck hitch, Adjustable. E. F. Andrews. 2,456,359, Dec. 14.
Truck, Lift. E. P. Repke. 2,456,320, Dec. 14.
Tube: *See*—
  Discharge tube.
  Ultra high frequency electronic tube.
Tube circuits, Thermionic. R. L. Snyder, Jr. 2,456,029, Dec. 14.
Tube for orthodontia, Buccal. A. B. Brusse. 2,455,916, Dec. 14.
Tube motor device, Electronic. M. Morrison. 2,456,441, Dec. 14.
Tube or ball mill with cooled trunnion. R. C. Newhouse. 2,456,073, Dec. 14.
Tubular bandages, Applying. E. G. Hendrickson and F. La Cour. 2,456,507, Dec. 14.
Tubular container bodies with solderless six-layer side seams, Making. W. McK. Martin. 2,455,938, Dec. 14.
2-amino-5-methyl pyridine and making it. F. E. Cislak and A. L. Kranzfelder. 2, 456,379, Dec. 14.
2-butoxyethyl fluoroacetate. I. Hechenbleikner. 2,456,586, Dec. 14.
2-chloroindone. N. V. Seeger. 2,456,452, Dec. 14.
Two-part clothespin with pivot joint. R. K. Grewe. 2,456,409, Dec. 14.
Ultra high frequency electronic tube. H. J. McCarthy. 2,456,563, Dec. 14.
Universal all wire bracket. R. R. Rundell. 2,456,535, Dec. 14.
Universal indicator support. L. T. Knutson. 2,456,003, Dec. 14.
Urea-formaldehyde composition. H. A. Walter. 2,456,095, Dec. 14.
V-flat drive. E. K. Lofton. 2,456,518, Dec. 14.
Valve: *See*—
  Diaphragm control valve.
  Fluid control valve.
  Manual reset valve.
  Reverse flow by-pass valve.
  Time controlled valve.
Valve means to compensate for viscosity in hydraulic systems. R. E. Price. 2,456,431, Dec. 14.
Valve mounting. R. Yuza. 2,456,165, Dec. 14.
Vapor compression sea water still, Manually operated. D. D. Lindsay. 2,456,562, Dec. 14.
Vapor indicating apparatus. R. A. Ackley. 2,455,966, Dec. 14.
Vaporizer and control panel. F. W. Glossbrenner. 2,456,057, Dec. 14.
Vaporizer, Fuel. I. W. Wepplo. 2,456,097, Dec. 14.
Vehicle: *See*—
  Self-loading vehicle.
Vehicle bumper jack. O. R. Cedarholm. 2,456,375, Dec. 14.
Ventilator. C. Davies. 2,456,391, Dec. 14.
Ventilator. B. K. Paget. 2,456,311–12, Dec. 14.
Ventilator. H. F. Tideman. 2,456,340, Dec. 14.
Vinyl resin, Stabilized. H. F. Park. 2,456,565, Dec. 14.
Visor document clip. R. E. Krogh. 2,456,129, Dec. 14.
Voltage regulator. C. N. Keller. 2,455,935, Dec. 14.
Washer: *See*—
  Diaper washer.
Washer, Sealing. G. H. Dowty. 2,455,982, Dec. 14.
Water heater. T. C. Fife. 2,455,988, Dec. 14.
Water heater. C. M. Osterheld. 2,456,143–4, Dec. 14.
Water-repellency composition, Solid. C. T. Rood. 2,456,595, Dec. 14.
Water temperature, Method and apparatus for regulating. J. A. Victoreen. 2,456,094, Dec. 14.
Well swab. R. A. Wilson. 2,456,551, Dec. 14.
Wheel drive and control for tool carriages, Electric motor powered. R. W. and C. L. Reid. 2,456,444, Dec. 14.
Wheel mounting holder. W. E. Schultz. 2,455,953, Dec. 14.
Wire-bending machine. J. L. and W. C. Wolf. 2,456,353, Dec. 14.
Wire tying mechanism. J. R. West and F. D. Jones. 2,456,476, Dec. 14.
Work positioning means for heel nailing machines. W. R. Goodwin. 2,456,405, Dec. 14.
X-ray equipment. B. F. Wehmer. 2,456,096, Dec. 14.
X-ray tube sighting device. T. R. Hawks. 2,455,928, Dec. 14.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 14, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

MANDEL BROS., INC., *v.* WALLACE

No. 16. Decided November 8, 1948

[— F.2d —; 79 USPQ 220]

1. CERTIORARI.
The Supreme Court of the United States grants certiorari to resolve conflict between the United States Court of Appeals for the Seventh Circuit which held claims of Wallace and Hand patent, No. 2,236,387, valid, and the United States Court of Appeals for the Second Circuit which held the claims invalid.

2. PATENTABILITY—INVENTION—ROUTINE EXPERIMENTATION.
Held that skillful experiments in a laboratory in cases where the principles of the investigation are well known, and the achievements of the desired end require routine work rather than imagination, do not involve invention.

3. SAME—SAME—NEW USE.
Where the patentees merely applied an old process of inhibition to a new cosmetic use, *Held* this is not invention.

ON WRIT of certiorari to United States Court of Appeals for the Seventh Circuit.

REVERSED.

Leonard S. Lyon (*Thomas H. Sheridan* on the brief) for petitioner.

Charles J. Merriam (*Bernard A. Schroeder* on the brief) for respondent.

MR. JUSTICE BLACK delivered the opinion of the Court.

[1] The respondent, owner of Wallace and Hand patent, No. 2,236,387, filed a complaint against this petitioner for infringement of claims 1 to 6, 8 to 13, 15 and 16. The district court held the claims invalid for want of patentable invention and dismissed the complaint. 67 F. Supp. 814 [70 USPQ 312]. The United States Court of Appeals for the Seventh Circuit held the claims valid and reversed. 164 F.2d 861 [76 USPQ 347]. The United States Court of Appeals for the Second Circuit had previously affirmed a district court's invalidation of the same patent. *Wallace* v. *F. W. Woolworth Co.*, 45 F. Supp. 465 [53 USPQ 620]; 133 F.2d 763 [56 USPQ 488]. To resolve the conflict we granted certiorari.

The patent is for an "improved" cosmetic preparation to retard or inhibit perspiration. Prior to application for the patent (1938), many antiperspirants were on the market containing acid salts of a metal, usually aluminum chloride or aluminum sulfate. The acidity produced by these acid-reacting salts is an astringent which retards perspiration. But, as stated in the patent specifications, the acid sometimes irritates the skin and also rots clothing to which the acid may adhere, particularly when that clothing is heated by ironing. Thus in the old antiperspirants the astringent qualities of the acid were desirable because essential to their effectiveness in retarding perspiration; on the other hand, the skin irritating and cloth corroding qualities of the acid were obviously undesirable. This was the problem as posed by the patent application.

The patent specifications asserted and the district court found that though standard alkalies would neutralize and thus reduce acidity and consequent skin irritation and cloth corrosion, these alkalies would by neutralizing acidity also reduce the astringency essential to check perspiration. The claimed discovery of the patent is in adding to the old acid-salts cosmetics certain types of the reactive amino chemical group, particularly urea. This addition, the patentees asserted, results in an improved compound which checks perspiration but neither irritates the skin nor corrodes the clothing.

The district court found that the addition of urea to the older preparations greatly reduced whatever likelihood there had been that application of the preparation would irritate skin [1] or corrode garments. It found that the patentees were the first persons to use urea as a corrosion inhibiting agent in an antiperspirant. But the district court also found that prior to the patentees' alleged discovery the use of urea as an anticorrosive agent was already a matter of public knowledge, and that it had previously been used as a corrosion inhibitor in compounds other than antiperspirants. As a consequence of these findings, the district court held

[1] Petitioner points out that the district court in the Woolworth case found the evidence before it inadequate to show that the old preparations had resulted in substantial skin irritation and urges a like inadequacy of evidence here. But the district court here found that "the astringent materials may attack the skin of sensitive individuals" and that "a residue remained which sometimes irritated the skin."

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the patent invalid. The district court and the United States Court of Appeals in the case of *Wallace* v. *F. W. Woolworth Co.*, supra, had held the patent invalid for the same reason.

Long prior to this patent, it was generally recognized in the chemical field that urea would react with acids, bases, and salts to produce new substances. Urea had been in general use wherever these results were desirable for chemical stabilizations. And respondent concedes that before application was made for this patent it was commonly known, at least by chemists, that urea would react with acids in a manner which would reduce their corrosiveness. These facts are made clear by this record, by the opinions of the four courts that considered this patent, and by their discussions of the prior patents relied on by the respondent here.

Prior patents (Schupphaus, No. 514,838, and Koch, No. 2,011,292) had suggested use of urea as a stabilizer against decomposition of chemical combinations into deleterious acidic substances. It may be assumed that these patents standing alone would not have taught these patentees to experiment with urea to solve their cosmetic problem. They do, however, show the state of the prior art and point to the possibility of using urea to inhibit unwanted decomposition of substances containing acid or acid salts. Indeed, Koch dealt with the addition of urea to aluminum salts. And Missbach, in No. 2,069,711, proposed to protect clothes from the deleterious effects of dry cleaning fluids by the use of urea to prevent injury due to acidic substances brought about by acidic reactions of carbon tetrachloride. He claimed his invention provided "an effective corrosion inhibitor."

Shipp patent, No. 2,174,534, pointed out that "certain uses of sulfuric acid are so advantageous that endeavors have been made to so treat textiles with sulfuric acid as to obtain the desired effects but to avoid the undesirable effects." The undesirable result Shipp wanted to eliminate was the "marked degrading or disintegrating effect on cellulose fibers" of "strong sulfuric acid." He therefore proposed use of an agent "capable of inhibiting or at least greatly retarding the normal degrading action of strong sulfuric acid upon cellulose." The "inhibiting" agent there proposed was urea or other materials such as "an amide alone or an amide and an amine . . ." The corrosion "inhibiting" agents here are amino groups which include urea.

Respondent contends that the Shipp patent is irrelevant. He urges that the Shipp preparation merely retards corrosion on cloth whereas respondent's stops corrosion completely. He also points out that Shipp dealt with sulfuric acid and not an acid salt as is involved in this patent. He argues that the teachings of the Shipp and other patents would not have led a chemist skilled in his art to undertake the experiment which eventuated in the success of these patentees. He takes this position because in the use of alkalies and even of urea with plain acids, the acids did not retain their full effectiveness as antiperspirants. The natural conclusion of a chemist, he argues, would have been that urea would result in the same failure if combined with the acid salts involved in his patent. But it did not. Urea combined with acid salts brought about the desired result. This result he therefore contends was a "paradoxical" one, unpredictable by a skilled chemist. Consequently, he says, the discovery rose to the level of patentable invention.

[2] But we think that the state of the prior art was plainly sufficient to demonstrate to any skilled chemist searching for an anticorrosive agent that he should make the simple experiment that was made here. The patentees knew that urea was in general use as a stabilizing agent with acid and salts. Moreover, the patentees knew that standard alkalies had been successfully employed in prior patents for their anticorrosive effect. It is not surprising therefore that after experimenting with various standard alkalies in an effort to find a corrosion inhibitor that would not greatly reduce acidic astringency, the patentees promptly turned to urea. Their success was immediate. As the United States Court of Appeals for the Second Circuit pointed out when this patent was before it [56 USPQ at 490]: ". . . skillful experiments in a laboratory, in cases where the principles of the investigation are well known, and the achievement of the desired end requires routine work rather than imagination, do not involve invention." These established principles of law would dispose of the case except for the position taken by the United States Court of Appeals in this case that the cosmetic problem here was remote and unrelated to the problems considered in the prior art. For this reason that court held that patentees in the field of cosmetics were not bound by prior art knowledge disclosed by the Shipp and other patents. The court therefore considered this patent almost as though patentees were writing on a clean sheet. Accordingly it held that the use of urea in the cosmetics field with the results here obtained was patentable invention.

[3] In this the court was in error. As we have pointed out, the general store of chemical knowledge in 1938 was such that anyone working on any problem of acidic corrosion and irritation would naturally and spontaneously have tried urea. All that these patentees did was to utilize in a cosmetic preparation, publicly available knowledge that urea would inhibit acidic corrosion. The step taken by the patentees in advance of past knowledge was too short to amount to invention. They merely applied an old process of inhibition to a new cosmetic use. This is not invention. *Dow Chemical Co.* v. *Halliburton Oil Well Cementing Co.*, 324 U. S. 320, 327 [64 USPQ 412, 415].

REVERSED.

MR. JUSTICE DOUGLAS affirms the judgment on the authority of *Funk Bros. Seed Co.* v. *Kalo Inoculant Co.*, 333 U. S. 127, 131 [76 USPQ 280, 281, 282], which was decided after the decision of the court of appeals in this case.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,486,179, T. J. Bird, Lifting jack; 2,146,403, L. D. Nilson, Bumper jack; 2,149,248, H. O. Haferkorn, Automobile jack; 2,259,789, C. M. Akins, Hook for bumper jack, filed Aug. 30, 1948, D. C. Minn. (Minneapolis), Doc. 2822, *Vulcan Mfg. Co., Inc.*, v. *Scott-Atwater Mfg. Co., Inc.*

1,773,025. (See Re. 17,466.)

1,801,902. (See Re. 17,466.)

1,829,210. (See Re. 17,466.)

1,847,751, H. S. Coe, Centrifuge method and apparatus; 1,923,454, A. Peltzer et al., Method and apparatus for centrifugal separation, filed Oct. 25, 1948, D. C., S. D. N. Y., Doc. 47/710, *Merco Centrifugal Co.* v. *De Laval Separator Co.*

1,868,407. (See Re. 17,466.)

1,888,161. (See Re. 17,466.)

1,892,614. (See Re. 17,466.)

1,911,537, R. R. Tanner, Coating metal with an organic salt of the metal; 2,137,968, same, Coated iron article; 2,273,234, same, Method of and solution for producing a coated iron article, filed Oct. 28, 1948, D. C., N. D. Ohio, E. Div., Doc. 25973, *Parker Rust Proof Co.* v. *The Timken Roller Bearing Co.*

1,923,454. (See 1,847,751.)

1,944,022, C. U. Bundick, et al., Apparatus for feeding material, filed Oct. 26, 1948, D. C., S. D. N. Y., Doc. 47/732, *Kinatome Patents Corp.* v. *Seaboard Commercial Corp.*

2,053,177, W. L. Bower, Work holder; 2,209,558, Bing & Block, Magnetic clamping appliance, D. C. Mass., Doc. 2957, *Browne & Sharpe Mfg. Co. et al.* v. *C. S. Walker Co., Inc.* Judgment dismissing complaint May 5, 1947; judgment affirmed Mar. 13, 1948.

2,137,968. (See 1,911,537.) 2,146,403. (See 1,486,179.)

2,149,248. (See 1,486,179.)

2,160,361. (See Re. 17,466.)

2,177,727, E. K. Krakaur, Gummed tape moistening device, filed Oct. 27, 1948, D. C., S. D. N. Y., Doc. 47/739, *E. K. Krakaur* v. *Nashua Gummed & Coated Paper Co. et al.*

2,184,113, S. S. Calafati, Building construction, filed Oct. 27, 1948, D. C., S. D. Ohio, E. Div., Doc. 2325, *Macomber, Inc.*, v. *Reconstruction Finance Co.*

2,186,977, C. D. Knowlton, Box-making, filed Sept. 23, 1947, D. C. Mass., Doc. 7067, *Hoague-Sprague Corp.* v. *Bird & Son, Inc.*

2,209,558. (See 2,053,177.)

2,250,403. (See Re. 17,466.)

2,259,789. (See 1,486,179.) 2,273,234. (See 1,911,537.)

2,294,172, C. Getz, Process of making aerated food products, filed July 22, 1948, C. C. A., 2d Cir., Doc. 21063, *Aeration Processes, Inc.*, v. *Walter Kidde & Co., Inc.* Decree reversed (notice Nov. 1, 1948).

2,294,423, L. Del Riccio, Photographic apparatus; 2,320,350, same, Camera; 2,327,581, same, Motor control apparatus; 2,382,616, same, Photographic method; Re. 22,881 (of 2,382,617), same, Method of photographically recording the order of passage of moving objects, filed Oct. 15, 1948, D. C., S. D. Calif., C. Div., Doc. 8764–Y, *Precision Camera Corp.* v. *Photochart Corp. et al.*

2,320,350. (See 2,294,423.) 2,327,581. (See 2,294,423.)

2,341,161, Partee & Gray, Wood finishing, filed Sept. 26, 1947, D. C., W. D. Ark. (Fort Smith), Doc. 447, *E. L. Bruce Co.* v. *Bradley Lumber Co. of Arkansas.* Claims 2 and 4 held valid and infringed; judgment favor plaintiff for an injunction Oct. 15, 1948.

2,345,548. (See Re. 20,969.)

2,353,986. (See Re. 20,969.)

2,382,616. (See 2,294,423.) 2,382,617. (See 2,294,423.)

2,408,820, B. I. Stamm, Water heater and boiler, filed Oct. 25, 1948, D. C., S. D. N. Y., Doc. 47/717, *Westcott-Alexander, Inc.*, v. *Kresno-Stamm Mfg. Co., Inc.*

2,451,380, G. E. Curtiss, Jr., Latch; 2,451,381, same, Refrigerator door latch, filed Oct. 22, 1948, D. C., S. D. N. Y., Doc. 47/707, *General Electric Co.* v. *Philco Corp.*

2,451,381. (See 2,451,380.)

Re. 17,466, G. C. Chase, Multiplier mechanism for calculating machines; 1,773,025, same, Carriage shift control for calculating machines; 1,829,210, same, Automatic carriage shifting mechanism for calculators; 1,888,161, same, Automatic control for calculating machines; 2,250,403, same, Division stop mechanism for calculators; 1,801,902, E. F. Britten, Jr., Calculating machine; 1,868,407, Brown & Overbury, same; 1,892,614, H. Enders, Automatic multiplication mechanism for calculators; 2,160,361, S. Hilder, calculating machine, D. C., S. D. N. Y., Doc. 18/452, *Monroe Calculating Machine Co.* v. *Marchant Calculating Machine Co.* Consent order dismissing complaint with prejudice (notice Oct. 25, 1948).

Re. 20,969, J. Reichel, Lyophilic biologically active substance and process of producing same; 2,345,548, Flosdorf & Stokes, Method and apparatus for desiccating sera, biologicals, and other materials; 2,353,986, C. H. Barr, Preservation, D. C., N. D. Calif., S. Div., Doc. 26970–R, *Lyophile-Cryochem Corp. et al.* v. *Cutter Laboratories, Inc.* Judgment holding claims 6, 11, 12, and 13 of reissue and claims 4 and 5 of 2,345,548 valid and infringed Aug. 2, 1948; decree holding claims 1, 2, 3, 4, 5, 7, 8, 9, and 10 of reissue, claims 1, 2, and 3 of 2,345,548 valid, 2,353,986 held invalid Sept. 13, 1948.

Re. 22,881. (See 2,294,423.)

Des. 149,600, N. Wind, Coin-operated radio receiver, filed Oct. 26, 1948, D. C., S. D. N. Y., Doc. 47/731, *Hotel Radio Corp.* v. *Nobell Mfg. Co., Inc.*

NOTICES

Disclaimers

2,328,291.—*Carl W. Osborne*, Muncie, Ind. AUTOMATIC TRANSMISSION. Patent dated Aug. 31, 1943. Disclaimer filed Nov. 4, 1948, by the assignee, *Borg-Warner Corporation*.

Hereby enters this disclaimer to claims 1 and 2 in said specification.

2,389,111.—*Ralph A. Reid*, Beverly, Mass. SIGNALING APPARATUS. Patent dated Jan. 11, 1944. Disclaimer filed Nov. 6, 1948, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 1 and 2 of said patent.

2,406,489.—*Irvin L. Case*, Steubenville, Ohio. MAGNETIC CONTROL. Patent dated Aug. 27, 1946. Disclaimer filed Nov. 12, 1948, by the assignee, *National Steel Corporation*.

Hereby enters this disclaimer to claims 1 to 7 inclusive.

2,423,524.—*Frederick W. Side*, Philadelphia, Pa. VIBRATOR. Patent dated July 8, 1947. Disclaimer filed Nov. 12, 1948, by the assignee, *The Brown Instrument Company*.

Hereby enters this disclaimer to claim 21 in said specification.

2,432,987.—*Robert V. Garner*, Westwood, Mass. COVERING FOR FLOORS. Patent dated Dec. 23, 1947. Disclaimer filed Nov. 10, 1948, by the assignee, *Bird & Son, Inc.*

Hereby enters this disclaimer to claims 1 and 2 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

American Cyanamid Company has placed the following 49 patents on the Register of Patents as available for license on reasonable terms. Inquiries concerning licenses should be addressed to American Cyanamid Company, 1937 West Main St., Stamford, Conn.

Pat. 2,156,626. PHOTOGRAPHIC DEVELOPING MEDIUM PRODUCING FINE GRAIN RESULTS. Patented May 2, 1939. A watery solution of an alkali metal halide, a protective colloid, and silver nitrate are subjected to actinic light, after which a further solution of p-phenylenediamine, glycine, and metol is added. The mixture is allowed to stand, and the precipitate formed is removed by filtration. The final clear amber-colored solution that remains is a finished product which may be used for developing all kinds of film, including slow and fast panchromatic, motion picture positive, etc. The developer is used full strength, is light stable and does not have to be stored in brown bottles, keeps for months, may be used and re-used, and is relatively insensitive to temperature. Group 28—89. Reg. No. 14,781.

Pat. 2,165,166. BLUE PRINT COATING. Patented July 4, 1939. Reg. No. 14,782.

Pat. 2,172,319. BLUE PRINT COATING. Patented Sept. 5, 1939. Reg. No. 14,783.

In these two patents high quality line drawing blueprint reproductions developed at high speed are obtained from coatings to which strong base sensitizers have been added. The sensitizers used are compounds of amidine carbonates and quaternary ammonium compounds incorporated in a liquor of sodium ferricyanide and sodium ferrocyanide. Several examples of the sensitizers are given in the patents, effective examples of which are guanidine carbonate (Pat. 2,165,166) and trimethylbenzylammonium hydroxide (Pat. 2,172,319). Groups 28—89; 39—12.

Pat. 2,165,797. PHOTOGRAPHIC DEVELOPER. Patented July 11, 1939. Reg. No. 14,784.

Pat. 2,179,790. PHOTOGRAPHIC DEVELOPER. Patented Nov. 14, 1939. Reg. No. 14,785.

These developers for photographic negatives utilize quaternary ammonium compounds as alkalinity-producing agents which are capable of producing good variations in contrast without loss of fidelity, in accordance with the amount of the compound used. The use of guanidine carbonate is described in Pat. 2,165,797 and trimethylbenzylammonium hydroxide in Pat. 2,179,790. Modifications are included in which less expensive sodium carbonate is substituted advantageously for a large part of either of the compounds without harmful results. Group 28—89.

Pat. 2,166,546. STABILIZATION OF BLUE-PRINT COATINGS. Patented July 18, 1939. Small amounts of ammonium persulfate or potassium persulfate incorporated in blue-print solutions maintain the ferricyanide included in the coating in oxidized form for long periods of time. A marked advantage is that relatively impure potassium ferricyanide may be used, thereby reducing the cost of the blue-print paper. The persulfate is preferably added to freshly made blue-print solution. Groups 28—89; 39—12. Reg. No. 14,786.

Pat. 2,174,494. PHOTOGRAPHIC FIXING AGENT. Patented Sept. 26, 1939. This photographic fixing and hardening bath contains guanidine thiosulfate as a major silver halide dissolving agent. Solutions prepared with guanidine thiosulfate are long-keeping, having rapid fixing speeds, and do not become readily exhausted in use. Group 28—89. Reg. No. 14,787.

Pat. 2,178,450. DEVELOPING PHOTOGRAPHIC FILMS AND PLATES. Patented Oct. 31, 1939. The uneven development of film, the formation of air bubbles, and other difficulties due to surface tension between the developer solution and the film are eliminated by the presence of minute amounts of sulphodicarboxylic esters or similar com-

pounds. Depending upon the type of photographic developer emulsion used, the esters may be either incorporated in the developer, or as a very dilute aqueous solution used as a separate bath. Group 28—89. Reg. No. 14,788.

Pat. 2,179,242. PHOTOGRAPHIC FIXER. Patented Nov. 7, 1939. Reg. No. 14,789.

Pat. 2,196,901. PHOTOGRAPHIC DEVELOPER. Patented Apr. 9, 1940. Reg. No. 14,790.

Photographic fixing and hardening chemicals are molded in ball, cube, or brick form. The chemicals are arranged in layers and dissolve in a predetermined order when placed in water. The cubes, etc., are prepared in any size and eliminate the need for weighing and other preparation of the ingredients of the fixing solution. Group 28—89.

Pat. 2,199,368. BLUEPRINT COATING. Patented Apr. 30, 1940. Blueprint papers having improved speed, latitude, and great stability are produced, according to this patent, by the use of coating solutions containing a sulfonic acid wetting agent. The agent used is a sodium salt of an alkyl ester of sulphodicarboxylic acid prepared in the form of a guanidine salt. Groups 28—89; 39—12. Reg. No. 14,791.

Pat. 2,203,903. STABILIZED PHOTOGRAPHIC FIXING POWDER. Patented June 11, 1940. Citric or tartaric acid and small amounts of sodium phosphate in the presence of a buffer (sodium acetate) acts as a preservative for photographic fixing solutions. Solutions so prepared keep indefinitely without decomposition and are little affected by tropical temperatures. Group 28—89. Reg. No. 14,792.

Pat. 2,205,792. RECOVERY OF SILVER FROM SPENT PHOTOGRAPHIC SOLUTIONS. Patented June 25, 1940. Reg. No. 14,793.

Pat. 2,221,163. RECOVERY OF SILVER FROM SPENT PHOTOGRAPHIC SOLUTIONS. Patented Nov. 12, 1940. Reg. No. 14,794.

In these two patents silver is recovered from spent photographic solutions in comparatively short time by subjecting the solution to the action of a soluble salt of an ester of xanthic acid (Pat. 2,205,792) or to a guanidine salt or a like quaternary ammonium compound (Pat. 2,221,163). The silver complex which is precipitated may be readily treated by furnace to complete recovery. Group 28—89.

Pat. 2,206,572. PHOTOGRAPHIC TONING WITH FERRICYANIDES. Patented July 2, 1940. Impure sodium ferricyanide is substituted for the more expensive potassium ferricyanide without harmful effect. Toning results obtained are equal to those obtainable with potassium ferricyanide, and especially advantageous in the case of blues in the production of three color transparencies. Blues obtained have a greenish cast which results in better detail, etc., especially desirable in the projection of lantern slides, movie positives, etc. Groups 28—89; 39—12. Reg. No. 14,795.

Pat. 2,209,917. AEROSOL WETTING AGENTS IN BLUEPRINT COATINGS. Patented July 30, 1940. Much improved speed and latitude are obtained when blueprint paper is given a preliminary treatment with a wetting agent such as a dilute aqueous solution of dioctyl sulfosuccinate before it receives a blueprint coating. Treatment is effected by passing the paper to be coated over a roller dipped in the wetting agent. Groups 28—89; 39—12. Reg. No. 14,796.

Pat. 2,218,969. BLUE PRINT COATING. Patented Oct. 22, 1940. The substitution of ferric guanidine oxalate for the usual ferric ammonium citrate, ferric potassium oxalate, or ferric ammonium oxalate in standard blue print formulate results in blueprint coatings in which high speeds and great stability are associated. Groups 28—89; 39—12. Reg. No. 14,797.

Pat. 2,221,628. BLUEPRINT COATING. Patented Nov. 12, 1940. When diguanidine disodium ferrocyanide is used in blueprint coatings instead of the standard ferrocyanides, exposure time can be cut without sacrificing latitude or keeping qualities. Groups 28—89; 39—12. Reg. No. 14,798.

Pat. 2,224,816. ARC LAMP. Patented Dec. 10, 1940. Globe interiors of blueprint machine arc lamps in continual use have a tendency to become rapidly coated with carbon particles and organic salts. This is overcome by the insertion, into the globe, of a hollow tube having a cupped end adjacent the tip of the upper positive electrode of the arc lamp. Suction applied to the tube removes combustion gases and any unburned particles so that globes need not be removed for frequent cleaning. Group 39—12. Reg. No. 14,799.

Pat. 2,227,644. PHOTOGRAPHIC REDUCER. Patented Jan. 7, 1941. Reg. No. 14,800.

Pat. 2,229,891. PHOTOGRAPHIC REDUCER. Patented Jan. 28, 1941. Reg. No. 14,801.

Monosodium dipotassium ferricyanide (Pat. 2,227,644) and monosodium diguanidine ferricyanide (Pat. 2,229,891) used as reducers differ from tripotassium ferricyanide by showing more rapid reducing action. Not only does the cutting of the lightest silver deposits take place quickly, but the resulting image retains good fidelity. The compositions are handled in the same way as standard potassium ferricyanide reducers. Groups 28—89; 39—12.

Pat. 2,230,977. SINGLE SOLUTION PHOTOGRAPHIC DEVELOPING AND FIXING BATH. Patented Feb. 4, 1941. A single combined developing and fixing solution may be prepared using aminobenzoic acids and their salts (particularly anthranilic acid). Good contrast control is obtained with little or no effect on the emulsion speed of X-ray and other classes of film. The solution has good keeping qualities, relatively low sensitiveness to actinic light, and may be re-used. Group 28—89. Reg. No. 14,802.

Pat. 2,237,084. BLUEPRINT COATING. Patented Apr. 1, 1941. A blueprint coating having a deeper blue intensity and excellent stability even under warm and moist conditions is produced by mixing a guanidine oxalate solution having a pH value between 5 and 6 with a ferric oxalate solution. Potassium ferricyanide is then added to the mixture. Broadly, the composition may be added to any blueprint formula containing a light-sensitive ferric salt. Group 39—12. Reg. No. 14,803.

Pat. 2,238,301. BLUEPRINT COATING. Patented Apr. 15, 1941. Reduced quantities of ammonium sodium ferricyanide are used in place of potassium ferricyanide. Increased blue intensity and latitude, as well as a decrease in ferricyanide consumption, are obtained without substantial offsetting disadvantages. Groups 28—89; 39—12. Reg. No. 14,804.

Pat. 2,248,905. CONCENTRATED PHOTOGRAPHIC FIXING AND HARDENING SIRUP. Patented July 8, 1941. Concentrated hardening and fixing solutions are prevented from precipitating if prepared with urea or a similar hydrotropic compound which increases the solubility of the components of the sirup. The sirups are highly stable, will keep for long periods of time, and may be used by merely adding the water necessary to make the proper solution. Group 28—89. Reg. No. 14,805.

Pat. 2,255,731. PHOTOGRAPHIC DEVELOPER. Patented Sept. 9, 1941. Developers containing a soluble sulfite as an oxidation inhibitor can be further fortified against oxidation by the addition of an amidine salt of an aminobenzoic acid. The use of such compounds in the developing solution not only improves keeping qualities, but in some cases the densities obtained exceed those of fresh developing solution. Group 28—89. Reg. No. 14,806.

Pat. 2,268,508. TONING PHOTOGRAPHIC MATERIAL. Patented Dec. 30, 1941. Two different ferricyanides containing one equivalent of sodium and two of either potassium or an amidine such as guanidine, when used in blue toning solutions, are characterized by two important properties: Clear and brilliant highlights, which are excellent for projection; and a greenish blue, which makes color corrections possible with cheap and economical dyes, important in the processing of colored motion picture film. Groups 28—89; 39—12. Reg. No. 14,807.

Pat. 2,311,293. PRODUCTION OF HIGH CONCENTRATED FIXING AND HARDENING SIRUPS. Patented Feb. 16, 1943. If sodium thiosulfate and a portion of the sulfite of the fixing and hardening bath are dissolved separately, and the alum, acid, and remainder of the sulfite dissolved in separate solution, and then mixed, preferably cold, no precipitation results. The stable, highly concentrated sirup obtained may be rapidly diluted with water as necessary, thus making unnecessary the storage of large quantities of normal strength fixing baths. Group 28—89. Reg. No. 14,808.

Pat. 2,221,170. AUTOMATIC SPECTROPHOTOMETER. Patented Nov. 12, 1940. Generally described, this spectrophotometer employs two cyclic drives automatically operated from a single driving source, one of the drives remaining constant and the other varying in length. This enables a series of spectrograms to appear on the same plate, which show the varying exposures of a number of samples in comparison to a constant exposure of a standard. Group 39—11. Reg. No. 14,809.

Pat. 2,269,674. METHOD FOR PHOTOMETRIC ANALYSIS. Jan. 13, 1942. A narrow infrared beam passes through a transparent holder into which flows a continuous sample of any chemical compound or mixture being produced. The beam, reduced in intensity in accordance with the amount of light absorbed by the sample, is focused on a radiation detector capable of transforming the beam received into electric current. The current produced affects a galvanometer causing the beam to strike any one of several mechanical controls (valves, blowers, pumps, etc.). Photometric analysis may be based either upon infrared absorption or upon emission of the chemical compound sample being produced. Group 39—11. Reg. No. 14,810.

Pat. 2,280,993. TURBIDIMETER. Patented Apr. 28, 1942. This turbidimeter measures light transmitted by any sample submitted for measurement regardless of color and without adjustment of the device. Measurement may be made of light scattered by fine particles dispersed in solution, haze or cloudiness of translucent objects, the density of smoke from stack gases, etc. The device has four sections: an optic barrel, a holder for the sample being tested, an integrating sphere having two oppositely placed openings, and a light absorber. In addition the sphere is further provided with a reflecting inner surface, a shutter for the rear opening, and a pair of photoelectric cells connected to a galvanometer. In use, galvanometer readings are taken of light directed through the sample first with the shutter closed, and then open. The difference measures the amount of light transmitted by the sample. Group 39—11. Reg. No. 14,811.

Pat. 2,314,193. SELF-RELEASING MACHINE DRIVE. Patented Mar. 16, 1943. Machine drive (which replaces the hand crank of a well-known testing machine) embodies a clutch which automatically disengages at the instant of fracture of the material being tested so that an accurate determination of the strength of the material may be made. As long as the material being tested does not break, the clutch remains frictionally engaged, the amount of stress meanwhile being read off directly from a scale. Group 39—11. Reg. No. 14,812.

Pat. 2,337,306. METHOD AND APPARATUS FOR QUANTITATIVE ANALYSIS OF RADIOACTIVE SUBSTANCES. Patented Dec. 21, 1943. This patent pertains to a method for determining the total quantity of an element present in a sample where the element occurs in the form of its radioactive and non-radioactive isotopes and where the radioactive isotope is subject to decay. The radioactivity of the sample is measured in an apparatus which includes a Geiger tube. The apparatus is calibrated by determining the radiation of a standard sample under similar conditions and comparing the radioactivity as observed from a tabulation of the net counts of the standard sample with the radiation of the solution of unknown normality. Allowance is made in each measurement for a decay factor, using a formula cited in the patent. Group 39—11. Reg. No. 14,813.

Pat. 2,359,734. SPECTROPHOTOMETER AMPLIFIER. Patented Oct. 10, 1944. This patent relates to an amplifying system for a recording infrared spectrophotometer used in the analysis of chemical compounds and many other fields of research and measurement. The system may be used with any type of flickering beam infrared instrument in which two beams are caused to flicker, one of the beams passing through the sample being analyzed. Group 39—11—13. Reg. No. 14,814.

Pat. 2,376,311. PHOTOELECTRIC RECORDING SYSTEM. Patented May 15, 1945. This device mechanically records temperature differences between two thermocouples that cause proportional changes in the direction of a pair of light beams. The beams in turn effect changes in the intensity of impulses in an electric circuit, which are measured and recorded. The apparatus has many applications in analytical work such as infrared spectrophotometry. By recording the percent of infrared absorption vs. frequency transmission (or any other desired function of temperature differential) it eliminates the necessity of making two records, which in usual practice must be replotted by hand and mathematically interpreted. Group 39—11. Reg. No. 14,815.

Pat. 2,379,233. PHOTOELECTRIC CONTROLLING OR RECORDING SYSTEM. Patented June 26, 1945. In this photoelectric controlling system a self-powered A. C. amplifier is used which is undisturbed by drifts that usually occur due to changes in supply voltages or other disturbances not connected with an input signal from a twin cathode phototube. A fairly wide light beam is also utilized. The recorder may be built as a separate unit for use with various mirror galvanometers and may be operated in brightly lighted rooms, in that the amplifier responds only to the A. C. signal and is unaffected by stray light. Group 39—11—13. Reg. No. 14,816.

Pat. 2,396,620. IMPACT TESTING APPARATUS. Patented Mar. 12, 1946. Reg. No. 14,817.

Pat. 2,422,317. MEANS FOR IMPACT TESTING. Patented June 17, 1947. Reg. No. 14,818.

These two patents provide a pivoted arm having a short and long end, the latter of which carries a weighted hammer. The device is operated by a rotatable cam which depresses the short end of the arm to raise the hammer. The cam has a leading and a trailing edge separated by a cut-out portion that permits the hammer to fall against the test piece without interference. The device may be adjusted to the different resiliencies of the pieces being tested, records the number of impacts absorbed, and may be operated over long periods of time without requiring attention. An automatic cut-off mechanism stops the device upon breaking of the test piece. Pat. 2,396,620 relates particularly to the structure of an adjustable cam. Pat. 2,422,317 provides a mechanism which overcomes the vibration caused by the rebound of the hammer striking a resilient test piece. Group 39—11.

Pat. 2,410,385. PLASTOMETER. Patented Oct. 29, 1946. Recording device for measuring the viscosity of fluids, etc., is of the spinning cup type. The device includes a torque-measuring mechanism. The speed of rotation is automatically varied from a predetermined minimum to a predetermined maximum over a selected period of time, after which the speed is reduced to the original minimum over the same or different time interval. A recording method

may be used in which a curve is traced through both the accelerating and decelerating cycle by a pen (controlled by a galvanometer) drawn across a strip of paper moving over a drum. Group 39—11. Reg. No. 14,819.

Pat. 2,411,092. PHOTOELECTRIC TURBIDIMETER. Patented Nov. 12, 1946. Turbidimeter is adapted for measuring the solids content of thick slurries. The suspension to be measured is passed into a cell having a transparent front wall and a light-absorbing rear wall. Turbidity is measured by directing a beam of light through an opening in the front wall and determining the amount of light reflected on the rear wall by photocell. Group 39—11. Reg. No. 14,820.

Pat. 2,417,657. X-RAY GONIOMETER CAMERA. Patented Mar. 18, 1947. Camera produces and records crystal X-ray diffraction patterns of the distorted reciprocal lattice type. The camera may be run at any speed and has a single actuating mechanism that does not require a special shape or type of film. Group 39—11. Reg. No. 14,821.

Pat. 2,423,704. FABRIC ABRADING TESTER. Patented July 8, 1947. This patent is principally concerned with a cut-off device for a fabric abrading tester. The tester consists basically of a motor-driven turntable on which a sample is clamped for rotation beneath a pair of rubber-tired abrading rollers. A hook is provided which rests lightly on the sample undergoing test. Should a hole be worn, the fabric is caught by the hook, tripping a switch which immediately stops rotation of the turntable. Group 39—11. Reg. No. 14,822.

Pat. 2,317,329. SPECIMEN HOLDER FOR X-RAY ANALYSES. Patented Apr. 20, 1943. Apparatus provides a comb-like sample holder for powdered material which consists of a series of capillary compartments. The collimated beam of a conventional X-ray camera set up for standard powder analysis passes through the powdered specimen. A series of superimposed X-ray pictures are recorded on a film strip in the form of a continuous line of even intensity. The shape of the sample is well defined and appears without the superimposition of the sample holder as a background. The very fine grinding of crystalline material is unnecessary, thus preventing distortion of the crystalline pattern. Groups 36—92; 39—12. Reg. No. 14,823.

Pat. 2,332,391. PROJECTOMETER. Patented Oct. 19, 1943. Calculating device is used for solving problems in crystal analysis by reproducing diffraction spots and a zero beam spot of an X-ray diffraction photograph of a crystal. The projector consists of a base having a straight edge which includes a point so that the base may be positioned over the zero spot. A projection arm having a straight side is pivoted for rotation on the base as well as an intersecting arm mounted on the pivot for locating a spot along the straight edge. Several interconnecting parts form a pantograph on the intersecting arm to actuate the projection arm in response to rotation of the intersecting arm to impart similar angular movement. Groups 36—92; 39—11. Reg. No. 14,824.

Pat. 2,341,108. X-RAY TECHNIQUE. Patented Feb. 8, 1944. Reg. No. 14,825.

Pat. 2,347,638. X-RAY TECHNIQUE. Patented Apr. 25, 1944. Reg. No. 14,826.

These two patents feature a reciprocating mount for a sample attached to a conventional X-ray camera so that crystalline specimens may be photographed. The mount is motor actuated by a cam and roller and moves up and down along a slotted bar to enable an incident X-ray beam to play across the opening of the mount in which a number of sample holders filled with powdered material are held (the holders may be similar to those described in Pat. 2,317,329, Reg. No. 14,823). In Pat. 2,347,638 the apparatus further provides for the step-by-step removal and insertion of specimens. Groups 36—92; 39—12.

Pat. 2,387,597. MEDICAL X-RAY RADIOGRAPHY FOR LOCATING EMBEDDED MATERIALS. Patented Oct. 23, 1945. Reg. No. 14,827.

Pat. 2,387,704. X-RAY RADIOGRAPHY OF INCLUSIONS. Patented Oct. 23, 1945. Reg. No. 14,828.

These two patents relate to an X-ray procedure that makes use of an immersion or embedding technique by means of which a clearer X-ray image is obtained of shattered bones, small pieces of glass embedded in the flesh, etc. Pat. 2,387,597 pertains particularly to the method of immersing the body to be radiographed in liquids or pastes of opacities which approximate that of human flesh. The paste, which consists of a non-toxic powder such as barium sulfate incorporated in a mixture of petrolatum and beeswax, is described in Pat. 2,387,704. Group 36—92.

Pat. 2,401,949. FLEXIBLE TUBE. Patented June 11, 1946. Tube is composed of several spiral strips or bands to provide flexibility without binding. The method of utilizing the strips provides openings for ventilation or other purposes, minimizes cutting, etc. In the patent, the tube is used to line a bent planar tube of a mass spectrograph apparatus, but it has other applications, for example as a protecting sheath for wires, etc. The multi-part tube includes a main strip, the edges of which are spaced apart; an overlay band which covers the space between turns of the main strip; a shim strip that is held between main and overlay strips; and a long constraining band fixed to the outside of the overlay strip. Group 35—69. Reg. No. 14,829.

Pat. 2,444,091. STRUCTURAL SECTION AND STRUCTURAL MEMBERS COMPOSED THEREOF. Patented June 29, 1948. A metal structural section of uniform thickness and strength in which the stresses will be uniformly distributed. The section forms a T in cross section with top and bottom flanges connected by a web. The top flange is wider than the bottom flange and has its opposite ends inturned. Section has substantially equal moments of inertia about more than two axes which lie in a common plane and pass through the center of gravity of the section. A section may be used alone as a structural member, or various columns, girders, and other structural members may be constructed by combining several of the T-sections by welding or riveting the flanges together. (Owner) Olaf Carlsen, 448 73d St., Brooklyn 9, N. Y. Group 33—12—81. Reg. No. 14,830.

Pat. 2,447,187. PARACHUTE. Patented Aug. 17, 1948. Parachute is designed to increase safety in landing by reducing the depth of the canopy dome and increasing its radial dimension by means of an annular pocket. The pocket, which is open at its bottom, is firmly attached to hang circumferentially from edge of canopy dome and bulges inwardly in descent, thus using a greater amount of air for breaking the fall. Air vents are provided at upper edge of pocket, and an annular flap extends around the canopy edge to serve as a flap valve for air vents. Suspension lines are provided in the usual way but are shorter because of the greater diameter of the parachute, resulting in a slower descent. (Owner) Clarence A. Kunkler, P. O. Box 128, Station E, Columbus 5, Ohio. Group 37—21. Reg. No. 14,831.

Pat. 2,437,223. SPORTSMAN'S COAT. Patented Mar. 2, 1948. An attachment to a sportsman's coat serves as an identification signal or for protection. A strip of bright-colored waterproof material, of approximately the same width as the coat back, is fastened by a zipper or other means to the bottom of the back of coat. May be folded over outside of coat and fastened at shoulders to indicate the presence of a hunter, or dropped to a hanging position to protect fisherman's clothes while sitting. When not in use, it may be folded and fastened on inside of coat. (Owner) Claude H. Dutrow, R. F. D. 5, Frederick, Md. Group 23—29. Reg. No. 14,832.

Pat. 2,446,558. BENCH TOOL FOR STRIPPING ARMOR FROM CABLE. Patented Aug. 10, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A bench tool for stripping sheathing from a cable has a removable blade which may be adjusted to make a cut of any desired depth in the cable and to make both circumferential and longitudinal cuts. A base supports an upright having a bushing journaled therethrough on which a cutter head is rotatably mounted. A manually operated lockable cam advances the cutter a fixed depth into the cable extending through the bushing. A V-vise is axially aligned behind the bushing for holding the cable in position. By rotating the cutter head a full revolution, a circular cut around the cable is accomplished. The cutter blade is then released and turned to a position extending longitudinally of the cable, relatched into cutting position, and the vise released from the cable so it can be withdrawn from the tool, cutting the sheathing longitudinally as it is withdrawn. (Co-owner) Carl W. Schwarz, Blue Ridge Summit, Pa. Groups 33—51—52; 35—42. Reg. No. 14,833.

Pat. 2,297,040. STRUCTURAL UNIT. Patented Sept. 29, 1942. A tubular structural unit is placed in wall-to-wall abutting relation with like tubular units and interconnected by welding. Each tubular unit is stiffened by an internal diaphragm having flanges by which a second unit may be positioned in end-to-end relation to the first unit. The diaphragm may be shrunk by cooling, and the outer body expanded by heating under temperature control, for telescoping bodies. On return to normal temperature the composite unit has great strength and resistance to shock loads. (Owner) Samuel Weening, 88 Bentley St., Tottenville, Staten Island, N. Y. Group 33—12—81. Reg. No. 14,834.

Pat. 2,447,826. POULTRY NEST. Patented Aug. 24, 1948. A poultry nest or laying chamber has a closure panel for front opening which is automatically closed or released by actions of hen. A ledge along each side of nest is connected with a bell-crank mechanism by which the closure is controlled. The weight of a hen during the laying of an egg depresses the ledges, moving the panel downward across opening. As hen rises, the ledges are released and the closure retracts automatically. Floor arrangement guides egg to trough at front of nest. Provides a trapping device for hen tending to set. (Owner) Magnus Torie. Address correspondence to Smith & Tuck, Central Bldg., Seattle 4, Wash. Groups 25—99; 35—22. Reg. No. 14,835.

Pat. 2,446,777. SHOEHORN. Patented Aug. 10, 1948. Inventor states that the primary feature of this invention is to provide a shoehorn (worn in the shoe) of flexible material which aids in inserting the foot into shoe, conforms to shape of the heel and counter while the shoe is on the foot, and aids in retaining shoe on the foot. (Owner) Frederick C. Menenko, 18701 Roselawn Ave., Detroit 21, Mich. Groups 33—73; 39—81; 40. Reg. No. 14,836.

Pat. 2,445,020. LOCKING DEVICE FOR INTERFITTING MEMBERS. Patented July 13, 1948. A device for locking interfitting connections, e. g. a handle to a fishing rod or a detachable connection between the head and shaft of a golf club. A pin is transversely fitted in bore of a socket member in which a male member is telescoped. Male member has a locking passage at end to receive the pin against the tension of a spring at inner end of bore. When male member is turned, the pin passes through a circular groove and the locking passage engages the pin, locking the male member to the socket. (Owners) Howard S. Charles and Henry Charles Morris, 49 Fairside Ave., Toronto, Ontario, Canada. Group 39—49. Reg. No. 14,837.

Pat. 2,445,033. RADIO PLUG ADAPTER. Patented July 13, 1948. An electrical connector for radio equipment and the like has a protector clamp at end to prevent the conductors from pulling loose. The conductors are drawn through a flexible tube having an end flared to fit over a conical-shaped core. A metal clamp encircles the flared portion of tube and has prongs for pressing an insulated wafer against the core. The ends of conductors are soldered into the hollow pins projecting from the wafer. Connector is removed by grasping and pulling the tube, placing no strain upon the conductors. (Owner) E. L. Mettz, Route 5, Franklin, Tenn. Group 36—61. Reg. No. 14,838.

Pat. 1,952,957. PROTECTING COVERING FOR WINDOW FRAMES. Patented Mar. 27, 1934. Covering strips for window frame provide a seal between frame and its sashes and between frame and the wall of building. Strips of metal or other suitable material are bent to engage the usual frame guide rails of upper and lower frames, and beadings on the strips are received in grooves of the sashes. The strips between the frame and wall extend beyond the frame to form flashings between outer planking of wall (or molding) and the frame. A strip provided for the sill has an attaching flange to slip in groove in sill strip, while the opposite edge of strip is bent upon itself to form a beading and a flange resting on the upper face of sill. The lower ends of side strips may be offset to form grooves to receive the beading in sill strip. (Owner) Bernard G. Wieting, Route 2, Norfolk, Nebr. Groups 24—31; 25—61; 33—73. Reg. No. 14,839.

Pat. 2,446,587. SLUDGE TRAP. Patented Aug. 10, 1948. A sludge trap for insertion in the piping of a circulating system has a removable container for holding entrapped foreign matter. Trap is particularly applicable to automobile heater or cooling systems, domestic hot-water heaters, or any hydraulic piping system. A valve is provided for shutting off the trap from the circulating system in order to remove the container for cleaning or repair. Air venting means is provided to permit removal of air from the container upon replacing the trap in the circulating system. A drain valve is provided for draining off circulating medium from the system. (Owner) Robert S. Henry, 29 Pearl St., New Hartford, N. Y. Groups 33—65—66; 38—31. Reg. No. 14,840.

Pat. 2,372,586. PEANUT HARVESTER. Patented Mar. 27, 1945. A harvester for digging peanuts from at least two rows at a time may be attached to a tractor or may be horse drawn. A pair of digging plows loosen the plants, and a rotatable pick-up means lifts them from the ground into conveyors. Plants hang in an inverted position on the supporting arms of oscillating fingers and travel over a guide, on which they are held by a rear spring-pressed gate. Opposed fingers carried by the rear conveyor periodically push the plants collected on the guide through a gate onto ground in a single row of spaced piles, with the peanuts uppermost for sun curing. (Owner) Edmund Kraus, Fredericksburg, Tex. Group 35—22. Reg. No. 14,841.

Pat. 2,448,984. AWNING. Patented Sept. 7, 1948. The inclined roof of this all-metal awning consists of a top louver to be rigidly secured to side of a building and a plurality of pivoted louvers which may be rocked to open or closed position from within a building by turning a lever. When louvers are closed, projections on adjacent louvers contact each other to provide a tight fit to exclude rain, etc. The movable louvers at their opposite ends are pivotally connected for rocking movement to a pair of outer inclined side supporting members and a pair of inner inclined movable side members. The movable side members are connected by actuating mechanism to crank. (Owner) Edmund Kraus, Fredericksburg, Tex. Groups 23—95; 25—63; 34—41. Reg. No. 14,842.

Pat. 2,446,935. AUTOMATIC ELECTRIC TOASTER. Patented Aug. 10, 1948. Automatic electric toaster has a pair of horizontally swingable casing sections. One section supports horizontally a series of bread slices in vertically superposed spaced-apart relation. Electric heating elements are provided on the other section in offset spaced positions. When the sections are closed, a toasting chamber is formed, with bread holders disposed between adjacent heating elements. An adjustable temperature-controlled latch and electric switch operate simultaneously to interrupt the circuit through heating chamber and open the sections. A single-pole double-throw switch in the circuit allows the toasting of one or two slices without heating all the elements. (Owner) Oscar G. Kreer, 18068 Dwyer Ave., Detroit 12, Mich. Group 36—21. Reg. No. 14,843.

Pat. 2,445,451. COMBINATION SPRAYING BOOTH AND DRYING CHAMBER. Patented July 20, 1948. A semi-automatic machine whereby metal articles are uniformly sprayed with enamel or lacquer under the control of an operator and then automatically advanced through a drying oven. A circular rail, rotatably mounted on a standard, supports radially arranged bars, their offset ends pivoted to the standard. Turntables are provided on the bars to support articles, which are rotated step by step by an electric motor through an oven formed on the framework. A series of lamps are provided at intervals in the oven where the articles are temporarily stationary during operation of the device. As each successive turntable emerges from the oven, the bar of that turntable breaks the circuit and stops the motor. The article is removed, and another placed on the turntable. (Owner) Lester E. Padelford, 67 Bergen Ave., North Arlington, N. J. Group 35—61. Reg. No. 14,844.

Pat. 2,296,795. NAIL GUARD. Patented Sept. 22, 1942. Nail guard, which can be snapped over the end of the finger, is shaped to define an opening closely fitting the outline of the fingernail to protect the flesh when polish is being applied. Guard may be snapped laterally for removal without damaging polish on nail. (Owner) Mary Stevens Landsman, 7433 Luella Ave., Chicago 49, Ill. Groups 33—73; 39—81; 40. Reg. No. 14,845.

Des. Pat. 150,635. DESIGN FOR A COSMETIC APPLICATOR. Patented Aug. 17, 1948. A disc-shaped applicator representing a flower. Owner states it is preferably made from foam rubber. (Owner) Mary Stevens Landsman, 7433 Luella Ave., Chicago 49, Ill. Groups 30—52; 39—91; 40. Reg. No. 14,846.

Pat. 2,444,917. SINGLE-ELECTRODE HIGH-SPEED RECORDING DEVICE. Patented July 13, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) An electrical recording device for measuring short time intervals. A housing supports a rotating drum-type spark chronograph having a replaceable tape mounted around its inner wall. A single marking electrode in a tubular enclosure is mounted with its end spaced a predetermined distance from the tape. Two input electrodes are spaced in arcing relationship to the marking electrode. Separate circuits to each input electrode are provided so each may record through the marking electrode independently of the other. When a suitable potential is applied between the electrode and drum, a spark is produced which passes through the tape and produces a mark. (Owner) Austin B. J. Clark, 6371 Oxon Hill Road S. E., Washington 20, D. C. Group 36—13. Reg. No. 14,847.

Pat. 2,438,645. COLLAR CLIP. Patented Mar. 30, 1948. A collar clip includes a bar to span the collar opening. Jaws at back of bar secure it to collar. Modifications show different means for actuating jaws. May be made of various materials. (Owner) Joseph R. Palagonia, 257 Cooper St., Brooklyn 27, N. Y. Groups 39—71—81—99; 40. Reg. No. 14,848.

Pat. 2,298,596. STEERING WHEEL. Patented Oct. 13, 1942. A steering wheel of conventional form has a series of disc-like gripping members, preferably made of plastic, with axial bores to receive the rim-core of the wheel. Forms an unbroken bead-like appearance and prevents slipping of the hands while giving a firm grip to the wheel. (Owner) Herbert A. Schrantz, 1440 Hartford Ave., St. Paul 5, Minn. Groups 37—22; 38—11—31; 39—81. Reg. No. 14,849.

Pat. 2,215,758. CONVERTIBLE SEAT. Patented Sept. 24, 1940. A seat has adjustable arm rests which may be pushed downwardly to provide one continuous seat when two or more seats are placed in juxtaposition. Tubes are provided at the front and rear of the arms to slide in a cavity beneath the seat and are guided by a pair of vertical tubes attached to base of seat. The weight of arms is supported by compression springs housed within the tubes which normally maintain the arms in raised position. Arms are operable by a press-button or finger piece at outside of each arm to permit downward movement of the arm rest in the cavity beneath the seat. (Co-owner) E. W. Knight, 99 Overslade Crescent, Coventry, England. Groups 25—12—31; 38—11. Reg. No. 14,850.

Pat. 2,336,131. PROCESS OF PREPARING SILVER ALLANTOINATE. Patented Dec. 7, 1943. This medicinal preparation combines the germicidal qualities of silver in combination with the cell-proliferating properties of the chemical allantoin. (Owner) Charles F. Schaffer, Hope Road, Lakewood, N. J. Group 28—31—89. Reg. No. 14,851.

Pat. 2,427,472. RATCHET OPERATED EXPANSION OR COMPRESSION CLAMP. Patented Sept. 16, 1947. A combination ratchet clamp and jack. A metal stock has a serrated rack along its lower edge and a fixed jaw at one end. A carriage slidable on the stock and rack has a movable jaw extending upwardly to cooperate with the fixed jaw. The carriage is moved along the rack and stock by swinging the operating handle in either direction. The handle has a double-ended dog pivoted in upper end which rotates a pinion at bottom of carriage that meshes with the rack and holds the carriage in any adjusted position. (Owner) Oscar Peterson, 2414 West Broadway, Spokane, Wash. Group 35—69. Reg. No. 14,852.

Pat. 2,446,814. BROOM AND MOP COMBINATION. Patented Aug. 10, 1948. An attachment for a broom or brush to which various scrubbing or mopping elements may be attached. A washable, removable saddle having two spaced bands of tape is placed over upper portion of bristles. A cleaning cloth is wrapped around the bristles and detachably suspended from lower tape. The free end of the cloth may be folded over ends of bristles and attached to the tape on one side of broom for mopping or polishing. When broom is used for sweeping, the cloth may be swung over the upper tape to expose the bristles. (Owner) Nelle M. Crofton, 326 Logan St., McMechen, W. Va. Groups 23—93; 39—21—22. Reg. No. 14,853.

Pat. 2,449,033. ANTISKID TIRE CLAMP. Patented Sept. 7, 1948. An antiskid tire clamp for vehicle wheels has a curved metal strap which straddles the tire and is fastened to the tire rim. Ribs with projecting teeth are provided at the curved edges of the strap, and a pair of chains bisect openings in the strap between the ribs. Applied by placing strap on top of tire and slipping the lugs on one end of the strap down until they grip the flange of

rim. The strap is then pulled tightly and fastened in place by thumbscrews. (Owner) David Youngiove, 345 Otsego St., Ilion, N. Y. Group 33—49—73. Reg. No. 14,854.

Pat. 2,446,739. REPEATING ELECTRIC FUSE. Patented Aug. 10, 1948. An automatic multiple fuse constructed on an insulated base has a metallic disc fastened at the center of each side. Studs electrically and mechanically connected to the discs receive a loop of a fuse, and the other loop is attached to end of a flexed spring. Terminal studs are secured to the base and secure the other end of the contact spring to the base. When the free end of a stud is released by breaking or burning of the fuse element, the spring unflexes and moves over into contacting position with the next succeeding stud. (Owner) John W. Bryan, Traphill, N. C. Group 36—19. Reg. No. 14,855.

Pat. 2,448,710. VERTICALLY ADJUSTABLE BOOKKEEPER'S TABLE. Patented Sept. 7, 1948. Bookkeeper's table has a vertically movable book support which is elevated or lowered by a crank handle and is so constructed that open pages of ledger may lie in a plane with surface of table. Table top moves on tracks so that it may be rotated on stationary support or moved toward and away from worker. Other features are recited in the patent. (Owner) Willima F. Graeske, R. F. D. 2, Mayville, N. Y. Group 25—21—22. Reg. No. 14,856.

Pat. 2,448,807. FATTEN-THE-PIG SAVINGS BANK. Patented Sept. 7, 1948. A savings bank in the form of a pig or other animal, which expands as the number of coins in the bank is increased. A circular hole is provided in the opposite sides of the bank, in which is placed transversely a cylinder with a pair of movable hemispheres within it. Aligning slots in the top of body and cylinder admit coins. The bank is covered with a flexible material which stretches as the hemispheres move outwardly because of the filling of the bank, giving the effect of "fattening the pig." (Owner) June W. Kimball, 71 May Ave., Athens, Ohio. Groups 30—51; 39—41; 40. Reg. No. 14,857.

Pat. 2,448,972. INTERNAL-COMBUSTION ENGINE (TURBINE TYPE). Patented Sept. 7, 1948. A centrifugal feed turbine in which the entire periphery forms an exhaust port and combustion is continuous. All of the operating elements are in one fixed unit, including a series of spaced vanes. The gas and air mixture is ignited when the unit is revolved, causing a spark plug in wall of combustion chamber to brush a contact. Expansion of the gas presses upon all of the vanes and forces its way through passages separating the vanes and drives the rotor. The rotation of the engine draws gas into every part of the combustion chamber through centrifugal action. A fan formed by another series of vanes inwardly of the combustion chamber draws in air to be mixed with the incoming gas. (Owner) Edward W. Gizara, 55 Jay St., Amsterdam, N. Y. Group 35—19. Reg. No. 14,858.

Pat. 2,448,087. BUNNY-CAT. Patented Aug. 31, 1948. Reg. No. 14,859.

Pat. 2,448,088. BUNNY-CAT. Patented Aug. 31, 1948. Reg. No. 14,860.

These two patents refer to a stuffed toy animal which can be altered to resemble a cat or a rabbit by adjusting the length of the ears and tail.

In Pat. 2,448,087 slotted pockets are provided in the head and rear portion of the body for the movable ears and tail. Tapes are connected to the ears and tail for limiting the movement within the pockets.

In Pat. 2,448,088 a tube having a socket on one end is mounted within the body. The ears are movable within the socket and the tail is movable within the tube. The ears and tail are connected by a slidable control rod having a loop at one end to which the ears are secured and a groove at other end to which the tail is secured. The change of the animal is accomplished by pushing the tail inwardly, which pushes the ears outwardly, or by pulling the tail outwardly, thereby drawing the ears inwardly. (Owner) Anna P. Driggs, P. O. Box 1341, Grass Valley, Calif. Group 39—41.

Pat. 2,392,007. COMBINATION SHAVING MUG AND SHAVING CREAM DISPENSER. Patented Jan. 1, 1946. A shaving mug, having a handle ear, consists of an open-end cylinder which is divided by a fixed transverse partition into an upper lather chamber and a smaller lower storage chamber for shaving cream, etc. The storage chamber is interiorly screw-threaded and is adapted to receive an exteriorly threaded disk from the bottom. This disk forms the lower closure for the cylinder and may be removed for filling storage chamber. A longitudinal ridge containing a duct extends through partition from storage to lather chamber. As disk is turned, shaving cream is forced up through duct and discharged in lather chamber. Disk has ribs on outer face for turning. (Owner) Cyril A. Spinola, 4609 49th Ave. South, Seattle 8, Wash. Groups 32—65—69; 40. Reg. No. 14,861.

Pat. 2,320,310. APPARATUS FOR INTEGRATING TIME AND TEMPERATURE. Patented May 25, 1943. The average temperature obtained during a given time period is measured by a combination of a standard clockwork keeping accurate time and a second clockwork having a heat-sensitive pendulum or balance. The rate of movement of the second clockwork is varied with temperature, and the difference registered on either of a pair of plus or minus mechanical counters. Another counter is provided for the standard clockwork. The numerals of these counters are seen through openings in the face of the apparatus. To obtain the average temperature for a given period, the plus or minus change (whichever has the smallest total) is divided by the elapsed period of time. (Owner) Joseph W. Myers, 506 West Mount Airy Ave., Mount Airy, Philadelphia 19, Pa. Group 39—11. Reg. No. 14,862.

Pat. 1,959,527. ELECTRIC MACHINE WITH LAMINATED MASSES. Patented May 22, 1934. Laminated structure reduces bulk of machine and insures cooling without hindering the passage of magnetic flux. The casing framework has radial fins which bear against a stator formed of a laminated pack. Ducts divided by an inclined partition are provided between the fins for the admission of cool air and for the outlet of heated air. Alternately arranged laminae constitute a core which is also cooled by the passage of air. The rotor is likewise of laminated structure and packed on a spider. Between its arms, the spider provides inlets for cool air and outlets for heated air. Cold air circulated by fans enters axial ducts of the rotor and passes between the ducts formed by the fins and the cylindrical walls of the casing, heated air being discharged to the exterior. Openings in the ducts permit a portion of the cold air to cool the heads of the winding bobbins, etc. (Owner) P. Ehrmann, 60 Rue Madame, Paris VI, France. Group 35—69. Reg. No. 14,863.

Pat. 2,043,655. COOLING OF ELECTRIC MACHINES. Patented June 9, 1936. A double wall casing equipped with internal and external fins acts as a support for a machine having a laminated rotor and stator arrangement which provides air ducts. The rotor is cooled by air currents drawn, by fans at both ends of the laminated core, through the ducts in one direction and then another. Heat absorbed by the air in passage through the ducts is transferred to the internal fins and then to the external fins. A space is provided between the external fins and the outer casing walls so that air may be circulated to cool the outer fins. (Owner) P. Ehrmann, 60 Rue Madame, Paris VI, France. Group 35—69. Reg. No. 14,864.

Pat. 1,903,308. COMBUSTION DEVICE. Patented Apr. 4, 1933. Reg. No. 14,865.

Pat. 2,082,696. COMBUSTION AIDING MEANS. Patented June 1, 1937. Reg. No. 14,866.

These two patents relate to a heat-intensifying device to aid combustion within a furnace. The device is a hollow body having an air inlet at one end and a discharge nozzle at the other. An enlarged central portion is divided into two sections to provide transverse passageways for steam and hot furnace gases. Air admitted into the hollow interior is pre-heated by mixing it with firebox gases and steam before discharge into the furnace. By use of the device, air is heated to great intensity, utilizing a smaller amount of steam than is customary and a greater portion of air. The device shown in Pat. 1,903,308 is spherical in form as compared to that of Pat. 2,082,696, which is elongated. (Owner) Olga Craven Hulbert. Address correspondence to William R. Hulbert, Jr., 84 State St., Boston 9, Mass. Groups 33—65; 35—64.

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 14,867 through 15,135) are part of Schedule 4, Groups 28; 32.

Inquiries concerning these patents should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 4

[Continued]

Section 3

Pigments (Including Metallic Powders) and Dispersion Processes Therefor

Pat. 2,009,435. Noncaking Pigment. July 30, 1935. A noncaking, substantially dry pigment mass in finely divided form, the individual particles of which have a film on their surfaces of a protective agent from the group consisting of rubber, rubber latex, balata and gutta percha.

Pat. 2,009,436. Noncaking Pigment. July 30, 1935. A substantially dry titanium oxide pigment mass in finely divided form, the individual particles of which have a film on their surfaces of Montan wax as a protective agent in amount from 0.25 to 2.0% based on the weight of the pigment mass whereby said pigment mass is substantially noncaking in a coating composition.

Pat. 2,009,437. Noncaking Pigment. July 30, 1935. A non-caking, substantially dry, finely divided titanium oxide pigment having a specific gravity greater than 2.5, the individual particles of said pigment having their surfaces coated with the acid sulfonation product of an oil.

Pat. 2,052,470. Manufacture of Coating Compositions. Aug. 25, 1936. Process of dispersing dry pigment in a colloided cellulose derivative composition which comprises kneading the materials proportionately adjusted to develop maximum shearing action in the dough-type kneading machine.

Pat. 2,094,146. Process for Dispersing Black Pigments. Sept. 28, 1937. Process for the dispersion of black pigments in nitrocellulose compositions in which the black pigment is added to the uncolloided nitrocellulose after having been wet with the plasticizer. This mixture is then kneaded to accomplish the dispersion.

Pat. 2,102,595. Coating Composition and Method of Making the Same. Dec. 21, 1937. Process of preparing pigmented intermediates which comprises mixing, under conditions of high shear, a pigment and a homogeneous mixture of about two parts of undissolved cellulose nitrate and one part of organic liquid consisting of diluent in major proportion and volatile solvent in minor proportion.

Pat. 2,114,713. Process of Dispersing Pigments and Products Thereof. Apr. 19, 1938. Dispersion of pulp pigment in nitrocellulose with the aid of a wetting agent such as triethanolamine oleate.

Pat. 2,118,511. Coating Compositions and Process of Preparing Same. May 24, 1938. Process for the dispersion of iron blue pigment in blown castor oil to eliminate the reddish cast which these pigments frequently exhibit.

Pat. 2,118,512. Manufacture of Black Lake Pigments. May 24, 1938. Black lake pigment made by mixing a slurry of carbon black with a solution of a black acid dye, and then adding a precipitant.

Pat. 2,138,860. Process for Dispersing Pigments. Dec. 6, 1938. A process for manufacturing pigmented intermediates which comprises mixing under high consistency kneading conditions pigment and a resinous vehicle and thereafter reducing the mass to a free flowing paste with additional resinous vehicle.

Pat. 2,140,745. Cellulose Derivative Composition and Process for Preparing Same. Dec. 20, 1938. A process for dispersing water wet pigment pulps in a cellulose derivative vehicle which comprises initially kneading wet pigment, vegetable oil having preferential wetting characteristics and uncolloided water-wet cellulose nitrate and, secondly, adding a non-volatile, liquid, water repellent cellulose derivative colloiding agent to effect water-separation and consolidation of the mass at kneading consistency for removal of residual water.

Pat. 2,157,901. Coating Composition and Process of Preparing Same. May 9, 1939. Manufacture of a cellulose derivative and iron ferro-cyanide blue pigment coating composition in which the pigment is ground in the presence of a blown oil in amount sufficient that no reddish cast is evident in the dry film, which without the oil would produce such a cast.

Pat. 2,212,641. Process for Dispersing Pigments. Aug. 27, 1940. Pigment dispersion process dependent upon bombarding the charge with steel balls projected by means of a high speed propeller.

Pat. 2,263,606. Basic Calcium Silicate Pigment, Its Method of Preparing, and Compositions Containing the Same. Nov. 25, 1941. Basic calcium silicate made by reacting lime and silica in certain molecular proportions.

Pat. 2,303,504. Treatment of Metal Powders. Dec. 1, 1942. A tarnish-resistant, lamellar disintegrated metal powder having on its surface a thin uniformly distributed coating of an insoluble urea-formaldehyde resin polymer.

Pat. 2,328,250. Barium Sulphate Pigments and Process for Preparing Them. Aug. 31, 1943. A coating composition comprising calcined natural barytes which has been heated at a temperature between 1100° C. and 1300° C. for at least 4 hours.

Pat. 2,337,128. Nondusting Litharge. Dec. 21, 1943. Non-dusting litharge made by brisquetting the litharge with a non-reactive petroleum residue.

Pat. 2,356,297. Aluminum Silicate Pigments and Process for Preparing Them. Aug. 22, 1944. A coating composition containing a pigment, at least 50% of the said pigment being pyrophylite calcined at a temperature between about 800° C. and 1100° C.

Pat. 2,379,678. Process for Dispersing Pigments. July 3, 1945. The use of phosphoric acids in the pulp process of dispersing maroon pigment to prevent losses of pigment.

Section 4

Apparatus and Process for Manufacturing and Using Organic Coatings Including Coated Fabrics

Pat. 1,919,747. Apparatus for Festooning Cloth. July 25, 1933. Apparatus for curing rubber coated fabrics by festooning continuously in a hot chamber.

Pat. 1,929,127. Striping Knife. Oct. 3, 1933. Striping knife for putting stripes on coated fabrics for luggage, etc.

Pat. 1,998,053. Continuous Method of Applying Glass Spheres or Particles to Flat Surfaces. Apr. 16, 1935. A process for preparing beaded cinema screen comprising dipping the surface of a continuously moving strip of embossed sheet material into an adhesive, scraping to remove the adhesive from the high portions of the design depositing glass particles over the adhesive in the depressed portions and drying.

Pat. 1,998,055. Machine for Continuously Applying Glass Spheres or Particles to Flat Surfaces. Apr. 16, 1935. Apparatus for continuously applying glass beads and other such materials to flat surfaces. Glass beads are deposited on a previously prepared flat surface through a pair of horizontally positioned screens. Apparatus useful for preparing beaded cinema screen.

Pat. 2,041,859. Liquid Level Indicator. May 26, 1936. A mercury gauge which shows the level of a liquid when activated by an air pump which bubbles air to the bottom of the vessel containing the liquid.

Pat. 2,060,897. Apparatus for Impregnating Nonwoven Fabrics. Nov. 17, 1936. Apparatus for impregnating with aqueous saturants, web material incapable of supporting its own weight when wetted.

Pat. 2,115,752. Rubber Spreading Machine. May 3, 1938. Apparatus in which rubber dope and the starch or mica used to prevent sticking are applied on the same machine.

Pat. 2,115,757. Carton Stenciling Device. May 3, 1938. An automatic stenciling device comprising a rotatable stencil holder for rotating the stencil against the carton and a mechanically operated stencil brush.

Pat. 2,165,286. Sheet Material. July 11, 1939. In the process of embossing fabrics in which the fabric is pressed between a member bearing a design and a registering embossing bed bearing the counterpart of the design, the improvement comprises removing a portion of the bed to a depth greater than the design and pressing a fabric between the said member bearing the design and the embossing bed.

Pat. 2,168,278. Apparatus for Thinning Varnishes. Aug. 1, 1939. An apparatus for thinning varnishes whereby the thinner is added to the hot resin quickly, and below the surface so that the thinner does not boil off or burst into flame.

Pat. 2,175,337. Wrinkle Eliminator. Oct. 10, 1939. Apparatus and process for embossing pyroxylin coated fabrics to prevent the formation of longitudinal wrinkles which comprises directing a blast of air on the goods as it emerges from the nip of the embossing rollers.

Pat. 2,196,692. Coating Device. Apr. 9, 1940. A coating device comprising two doctor blades, the second of which is higher than the first and horizontal tables immediately in front of each knife to support a sheet to be coated.

Pat. 2,196,983. Mixing Apparatus. Apr. 16, 1940. A dough-type kneading mixing apparatus having as the mixing blades substantially parallel adjacent companion worms rotating in opposite directions to convey the material being mixed toward opposite ends of the worms.

Pat. 2,201,628. Renewable Type Filter. May 21, 1940. A filter unit comprising a plurality of hinged interlocking leaves and a filter medium of greater width than the leaves folded over each leaf enclosed in a housing whereby the liquid to be filtered may enter the unit from three sides but is excluded from the outlet side.

Pat. 2,208,135. Filtering Device. July 16, 1940. An apparatus for removing sand, dirt, hair and other foreign materials from paint, varnishes and lacquers.

Pat. 2,228,756. Cable Coating Mechanism. Jan. 14, 1941. Apparatus for coating electric cables, comprising an electric motor having a hollow shaft, means for applying a liquid coating composition to the cable to be coated, and two dies attached to the opposite ends of the said motor shaft, and means for passing the coated wire through the said dies and hollow shaft.

Pat. 2,231,911. Worm Mixer. Feb. 18, 1941. A viscous paste mixing apparatus comprising a vessel and companion rotatable worms, each worm having two oppositely pitched spirals intermeshing with the adjacent spiral on the companion worm.

Pat. 2,278,056. Process for Decorating Sheet Material. Mar. 31, 1942. An improved coating head which comprises an undriven rotatable doctor roller having a design in relief thereon to apply or spread the coating in greater amount where the edges of the design in relief contact the surface being coated. The design on the roller is outlined on the coated material.

Pat. 2,302,610. Automatic Feeder for Two-Roll Mill. Nov. 17, 1942. Apparatus for automatically feeding material to roller mills for pigment dispersion and controlling the roller mill scraper blades.

Pat. 2,302,756. Apparatus for Dispensing Liquid Materials. Nov. 24, 1942. Apparatus for formulating a colored paint from a plurality of colors, in which the mixing device consists essentially of a vertical stand carrying a rotatable spider supporting several containers of individual tinting colors.

Pat. 2,319,082. Apparatus for Overspray Recovery. May 11, 1943. Apparatus for recovering overspray which provides for electrostatically charged baffles as part of a spray booth.

Pat. 2,406,718. Embossing Bowl. Aug. 27, 1946. Apparatus for embossing coated fabrics consisting of a paper counter roll impregnated with a water-soluble polyvinyl alcohol composition to prevent powdering of the paper surface during use.

Section 5

Coated Fabrics (Cellulose Derivative Coatings) and Compositions Therefor, Including Products Manufactured Therefrom

Re. 22,145. Treatment of Fabrics. Reissued July 28, 1942. (Original 2,127,320; dated Aug. 16, 1938.) The process of preparing shade cloth which comprises the improvement of applying directly to an uncoated cloth a composition containing an acid acceptor consisting substantially of colloidal zinc oxide, removing all the ingredients of the said composition except the acid acceptor, and thereafter applying a cellulose derivative coating.

Pat. 1,915,163. Cellulose Nitrate Composition and Solvent Mixture Therefor. June 20, 1933. A coating composition comprising cellulose nitrate, a vegetable oil, a pigment and a solvent mixture consisting of, by weight, ethyl acetate 20–40%, ethyl alcohol 32–70%, and ethylene dichloride 10–28%.

Pat. 1,923,275. Candy Support. Aug. 22, 1933. A heavy fabric laminated to a finely woven fabric with the latter fabric coated with a nitrocellulose composition resistant to chocolate.

Pat. 1,934,711. Covering Material for Tires and the Like. Nov. 14, 1933. A tire cover comprising a textile fabric having an outer surface of a light colored cellulose derivative film and an inner surface of a film comprising casein and glycerine whereby migration of the antioxidant contained in the tire and the resultant discoloration of the outer surface of the cover are prevented.

Pat. 1,940,212. Aeroplane Fabric. Dec. 19, 1933. An aeroplane fabric coated with a first coating of a solution containing both cellulose nitrate and cellulose acetate with a topcoat containing nitrate only in a solvent which does not attack the cellulose acetate of the first coat.

Pat. 1,940,462. Coated Fabric. Dec. 19, 1933. Fabrics coated with a discontinuous film of cellulose nitrate, wax and softener which renders the product resistant to water, oil and grease.

Pat. 1,951,119. Production of Coated Fabrics. Mar. 13, 1934. Method of preparing coated fabrics for window shade material, the improvement which comprises subjection of both sides of the partially coated fabric to a pressure treatment (intermediate skivering) while the coating is still in a plastic state and then further coating on each side.

Pat. 1,954,751. High Glaze Finish for Fabrics and the Like. Apr. 10, 1934. A product comprising a flexible fabric or paper base having a lustrous finish comprising a non-brittle primer of cellulose nitrate-blown cottonseed oil composition and a topcoat of fatty oil modified alkyd resin.

Pat. 1,955,888. Fireproof Screen for Projected Images. Apr. 24, 1934. A fire resistant cinema screen comprising a fabric base coated with a white nitrocellulose composition containing ammonium metal phosphates or ammonium metal arsenates.

Pat. 1,962,151. Cellulose Nitrate Compositions and Solvent Mixtures Therefor. June 12, 1934. A nitrocellulose-vegetable oil coating composition in which the solvent consists of acetone, ethyl alcohol and ethylene dichloride.

Pat. 1,970,704. Coating Compositions. Aug. 21, 1934. A composition comprising rubber, cellulose nitrate, a mutual solvent for the rubber and cellulose nitrate and a plasticizer.

Pat. 1,998,054. Cinema Screen. Apr. 16, 1935. A cinema screen having differently colored glass particles uniformly distributed over the surface of the screen.

Pat. 2,031,629. Coated Textile Material. Feb. 25, 1936. A coated fabric suitable for wearing apparel manufactured from a textile base coated with a water repellent plastic composition comprising cellulose acetate and a plurality of plasticizers therefor.

Pat. 2,033,170. Production of Coated Fabrics. Mar. 10, 1936. A non-curling and non-tendering nitrocellulose coated shade cloth in which the predominating pigment is leaded zinc oxide.

Pat. 2,033,202. Cellulose Derivative Coated Fabric. Mar. 10, 1936. A non-sticky book binding material comprising a nitrocellulose coated fabric on top of which is a layer of tanned gelatin.

Pat. 2,038,755. Pigment Paste. Apr. 28, 1936. Process for dispersing pigments for use in coating materials, in which the pigment is ground in a vehicle comprising an oil and a dilute nitrocellulose solution.

Pat. 2,046,165. Cellulose Derivative Compositions. June 30, 1936. Unsaturated fatty oils stabilized against rancidity with a phenoldipentene condensation product. Also compositions with cellulose derivatives.

Pat. 2,046,944. Nonpiping High Glazed Coated Fabric. July 7, 1936. A non-piping glazed finish coated fabric with (1) an ordinary nitrocellulose coating, (2) a nitrocellulose coating containing blown cotton-seed oil and (3) a topcoat of drying oil varnish.

Pat. 2,049,507. Inks. Aug. 4, 1936. A volatile solvent-free ink consisting of pigment, alkyd resin and a drying oil. Suitable for printing pyroxylin coated bookbinding fabrics.

Pat. 2,059,203. Sheet Rubber. Nov. 3, 1936. A floor covering in which the underlayer is sponge rubber and the top layer is vulcanized rubber.

Pat. 2,061,127. Coated Fabric. Nov. 17, 1936. Fabric coated with a composition comprising hydrogenated rubber and a cellulose derivative.

Pat. 2,063,602. Stabilization of Animal and Vegetable Oils. Dec. 8, 1936. Sugar amines as antioxidant for oils.

Pat. 2,064,610. Stabilization of Non-Drying and Semi-Drying Oils. Dec. 15, 1936. Fatty oils stabilized against rancidity with an antioxidant such as vanillin.

Pat. 2,067,937. Treatment of Cellulose Esters Containing Colloiding Agents. Jan. 19, 1937. Removal of camphor from movie film scrap by extracting it with ethylene dichloride.

Pat. 2,067,938. Treatment of Cellulose Esters Containing Colloiding Agents. Jan. 19, 1937. Extraction of camphor from moving film scraps by means of a mixture of ethylene dichloride and 90% ethyl alcohol.

Pat. 2,082,592. Coated Fabric and Process of Making Same. June 1, 1937. Water repellent coated fabric for mattress covering obtained by coating a fabric on one side with a cellulose derivative and impregnating the other side of the fabric with a nitrocellulose-wax-plasticizer dispersion.

Pat. 2,085,170. Sizing Composition. June 29, 1937. A size for pyroxylin coated fabric book-binding material comprising shellac, copal, a solvent and softener for application to nitrocellulose coated fabric to adapt it for the reception of gold leaf and water soluble adhesives.

Pat. 2,085,197. Duplicator Pad. June 29, 1937. A base for gelatin duplicator pads in which a fabric coated with a cellulose derivative is treated with a tanning agent and then has a layer of gelatin placed upon the tanning agent, thus assuring adhesion of the subsequent gelatin duplicating material.

Pat. 2,087,094. Metallic Finish. July 13, 1937. Coated fabric with a metallic surface in which metal powder is adhered to the coated fabric base by means of an alkyd resin and in which the final lustre is obtained by buffing to orient the particles of metal powder so that their light reflecting faces are in one plane.

Pat. 2,094,613. Composite Sheet Material. Oct. 5, 1937. Flexible, tough, pliable composite sheet material having a surface feel like leather comprising a closely woven fabric base coated with a cellulose derivative coating composition and a surface layer of a sheet of soft pliable absorbent fibrous cellulose tissue adhered to the coating.

Pat. 2,102,715. Decorative Coated Fabric. Dec. 21, 1937. Process for printing the coated surface of a nitrocellulose coated fabric with a photographically reproduced leather design, embossing the printed surface and applying a final surface coat of a clear nitrocellulose lacquer.

Pat. 2,104,070. Stabilization of Animal and Vegetable Oils. Jan. 4, 1938. Animal and vegetable oils rendered

resistant to rancidity development by incorporation of a phenol having at least one alkoxy group ortho or para to the phenolic hydroxyl and at least one carboxyl group or esters thereof directly attached to a carbon of the aromatic ring.

Pat. 2,104,084. Stabilization of Animal and Vegetable Fats and Oils. Jan. 4, 1938. Animal and vegetable oils rendered resistant to rancidity development by incorporation of a phenol having at least one alkoxy group ortho or para to the phenolic hydroxyl and at least one hydroxy aliphatic group directly attached to a carbon of the aromatic ring.

Pat. 2,113,653. Cellulose Derivative Compositions. Apr. 12, 1938. Aryl boric acids as antioxidants for semi-drying and non-drying oils.

Pat. 2,118,101. Coated Fabric. May 24, 1938. A coated fabric designed for use in the manufacture of non-soiling adhesive tape comprising a fabric coated on one side with a nitrocellulose composition, on the other side with a pressure-sensitive adhesive.

Pat. 2,124,749. Stabilization of Animal and Vegetable Fats and Oils. July 26, 1938. Animal and vegetable oils rendered resistant to rancidity development by incorporation of a phenol having at least one alkoxy group in the ortho or para position to the phenolic hydroxyl.

Pat. 2,125,341. Coated Fabric and Process of Making Same. Aug. 2, 1938. A cellulose acetate sheet coated on one side with a metallic powder having light reflecting faces oriented in one plane and this sheet then adhered to a nitrocellulose type coated fabric.

Pat. 2,131,882. Design Embossed High Luster Finish Material. Oct. 4, 1938. Process for embossing nitrocellulose coated fabrics having a clear top coating so that the tops of the embossing will have a high lustre, and the valleys will have a low lustre by piercing the clear coating.

Pat. 2,131,904. Stabilization of Animal and Vegetable Fats and Oils. Oct. 4, 1938. Animal and vegetable fats and oils rendered resistant to rancidity development by incorporation of a polyhydric phenol having at least one hydroxyl group ortho or para to another hydroxyl and an alkyl radical of 12 carbon atoms.

Pat. 2,137,969. Article of Manufacture. Nov. 22, 1938. An embossed nitrocellulose coated fabric for adhesive tape manufacture, treated with water to restore the fibers of the fabric to their condition before embossing and applying a pressure-sensitive coating to the uncoated side. Process improves adhesion of the rubber adhesive to the fabric.

Pat. 2,139,824. Colored Metallic Finish. Dec. 13, 1938. A high gloss colored metallic finish coated fabric in which the color is obtained by applying a top coat of a colored lacquer over oriented aluminum particles having their light reflecting faces in one plane.

Pat. 2,142,115. Composition. Jan. 3, 1939. Ammonium sulfamate as a fire retarding agent for coated fabrics.

Pat. 2,145,385. Treatment of Coated Fabrics. Jan. 31, 1939. Coated fabric treated to prevent shrinkage by saturating it with water and then drying it under little or no tension.

Pat. 2,153,755. Beaded Surfaces. Apr. 11, 1939. A coated fabric having on it a layer of beads of methyl methacrylate adhered to the surface.

Pat. 2,156,046. Paper Window Shade Capable of Transmitting Light Uniformly. Apr. 25, 1939. A window shade material comprising a paper base having a design embossed on its surface and overcoated with a nitrocellulose coating composition to give the appearance of a coated fabric.

Pat. 2,165,317. Printer's Blanket. July 11, 1939. A felt impregnated with an "oil in water" type cellulose derivative emulsion, an intermediate coat of plasticiser free cellulose nitrate and finally coated with a pigmented pyroxylin composition.

Pat. 2,187,121. Venetian Blind Slat. Jan. 16, 1940. A Venetian blind slat comprising a flexible fabric having a metal reinforcing member about its periphery embedded in a mass of adhesive.

Pat. 2,187,127. Translucent Light Shield. Jan. 16, 1940. A transiucent coated fabric light shield for use in connection with windows having two roller shades centrally located.

Pat. 2,215,061. Coating Glass Fabric. Sept. 17, 1940. Coating of woven glass fabric with a cellulose nitrate pigmented composition.

Pat. 2,223,288. Process of Making Dull-Finish Coated Fabrics. Nov. 26, 1940. Dull-finish produced on nitrocellulose coated fabrics by applying a topcoat of a nitrocellulose emulsion in which a plasticized nitrocellulose solution is the external phase and water is the internal phase.

Pat. 2,227,843. Opaque Window Shade Material. Jan. 7, 1941. Opaque shade cloth made by coating a fabric on each side with a mixture comprising a cellulose derivative and aluminum flakes and a second coating on each side comprising nitrocellulose and non-metallic pigments.

Pat. 2,229,146. Drawsheet. Jan. 21, 1941. A drawsheet comprising a base fabric prepared from threads of regenerated cellulose of uniform denier, on one side of said fabric a base coat comprising a cellulose derivative and an alkyd resin, an intermediate coat comprising a cellulose derivative, alkyd resin and pigment and a surface coat of a dull cellulose derivative composition, on the opposite side of said fabric a plasticized resin coat, said last mentioned coat having a slight tack under pressure.

Pat. 2,241,384. Sterilizable Adhesive Tape. May 13, 1941. A sterilizable surgical adhesive tape comprising a flexible base having a pressure-sensitive rubber adhesive firmly attached to one side and a highly pigmented plasticized cellulose ether (ethyl cellulose) composition firmly attached on the other side.

Pat. 2,263,900. Window Shade Material. Nov. 25, 1941. A coated fabric window shade material in which the fabric is woven from a continuous filament of uniform denier and free from nap and fabric imperfections and coated with a composition having approximately the same light transmission as the fabric.

Pat. 2,307,225. Coated Fabric. Jan. 5, 1943. A textile fabric having a thin coating of a thermoplastic composition containing a cellulose ether and a thin surface coat of a thermosetting composition containing a urea formaldehyde resin. Useful as table covers.

Pat. 2,310,740. Adhesive Tape. Feb. 9, 1943. A luminescent adhesive tape comprising a sheet material having a base coating on one side comprising a cellulose ether binder and from 50 to 80 per cent thereof of a luminous material, a clear unpigmented cellulose ether coating superposed over said base coating, and a pressure-sensitive adhesive coating on the opposite side.

Pat. 2,335,739. Coated Fabric. Nov. 30, 1943. A base material containing a nitrocellulose discoloring agent, said base material having superposed on at least one side thereof a coating of a mixed cellulose ester and a surface coating of a nitrocellulose. The mixed ester acts as a barrier to the discoloring agent.

Pat. 2,336,265. Coated Fabric. Dec. 7, 1943. Coating each side of a textile fabric base material with a liquid coating composition comprising a solution of nitrocellulose, a plasticiser and pigment. At least 20% of the total pigment in the coating composition consists of zinc oxide particles, the size of which is greater than 14 microns in any one direction.

Pat. 2,336,266. Airplane Fabric and Method of Making Same. Dec. 7, 1943. A predoped fabric suitable for covering airframes comprising a fabric base having a water insoluble cellulose derivative coating composition containing a plasticizer deposited in the interstices thereof without substantially permeating the individual threads, the portion of said coating contacting said fabric being in the form of fine discrete checks.

Pat. 2,336,267. Method of Making Airplane Fabric. Dec. 7, 1943. The process of manufacturing predoped fabric which comprises wetting the fabric with water, applying thereto a water-insoluble cellulose derivative coating composition containing a volatile solvent for the cellulose derivative, and evaporating said solvent at a rate greater than the evaporation of the water in the said fabric.

Pat. 2,344,495. Nonstaining Coated Fabric. Mar. 21, 1944. A nitrocellulose coated fabric carrying a stain resistant topcoat of a coating comprising cellulose acetobutyrate.

Pat. 2,351,182. Process for Treating Fabric and Product Produced Thereby. June 13, 1944. An open weave fabric (leno cloth) having the interstices bridged with individual films of a non-thermo-adhesive composition containing polyvinyl acetate. Useful as carpet seaming tape.

Pat. 2,356,354. Method of Coating fabric. Aug. 22, 1944. Surgical adhesive tape coated with a pigmented cellulose acetate composition.

Section 6

Coated Fabrics (Non-Cellulosic Coatings) and Compositions Therefor, Including Products Manufactured Therefrom

Pat. 1,907,496. Gas Cell Material. May 9, 1933. Method of preparing an impermeable material comprising coating a fabric base with a rubber composition, superposing thereon an adhesive coating, superposing thereon a composition including viscose and latex, and exposing the coated side of said fabric base to an atmosphere of an acid gas.

Pat. 1,931,110. Rubber Coated Fabric. Oct. 17, 1933. A rubber coated fabric having as a topcoat a composition containing an asphalt oil which is unsaturated.

Pat. 1,934,709. Coated Fabric. Nov. 14, 1933. Coated flexible fabric sheet having a final coat of baked drying oil modified alkyd-asphalt varnish.

Pat. 1,936,500. Rubber Coated Fabric. Nov. 21, 1933. Making artificial leather from fabric sheet material by applying a final coating comprising steam-refined petroleum residue asphalt varnish, and baking.

Pat. 1,955,355. Asphaltic Coating Compositions and Materials Coated Therewith. Apr. 17, 1934. Varnish from asphalt, oil- or natural resin-modified alkyd resin, and an organic iron compound (e. g., iron oleate).

Pat. 1,967,967. Artificial Leather. July 24, 1934. A flexible artificial leather product comprising a felt of artificially crinkled mercerized paper-making fibers impregnated with rubber latex, a rubber coating on the impregnated felt, and top coat of dried asphalt varnish.

Pat. 1,981,909. Improved Perforated Corset Material and Method of Making the Same. Nov. 27, 1934. An elastic rubber garment material comprising a plurality of layers of knitted material joined by a layer of rubber composition, said garment material being perforated with a plurality of holes.

Pat. 1,982,231. Asphaltic Coating Composition and Materials Coated Therewith. Nov. 27, 1934. Coating rubber-coated fabric with a varnish containing drying oil, asphalt, solvent for the asphalt and an organic iron compound soluble therein, and baking.

Pat. 1,987,605. Auto Top Material and the Like. Jan. 15, 1935. A rubberized coated fabric having an intermediate sheet of aluminum foil adhered to the rubber with an alkyd resin with a nitrocellulose topcoat on the foil.

Pat. 1,990,474. Oil Acid Varnish and Product Coated Therewith. Feb. 12, 1935. Fabric coated with a mixture of free fatty oil acid and asphalt.

Pat. 1,990,475. Asphaltene Varnish. Feb. 12, 1935. Rubber-coated fabric coated with varnish comprising a film forming material containing the acid radicals of a drying oil and asphaltene derived from asphalt.

Pat. 1,995,957. Asphaltic Coating Composition and Material Coated Therewith. Mar. 26, 1935. Coatings comprising asphalt, a fatty oil and/or resinic acid and/or naphthenic acid modified alkyd and rubberized fabrics coated therewith.

Pat. 1,999,186. Chemical Compounds and Method of Making Same. Apr. 30, 1935. Peracetylated rubber with resins or cellulose derivatives.

Pat. 2,002,634. Vulcanized Asphalt Oil and Product Containing It. May 28, 1935. Coating compositions comprising asphalt oil and sulfur and process for making them.

Pat. 2,003,918. Hose Coupling. June 4, 1935. A detachable coupling for use with collapsible mine ventilating tubing comprising a resilient discontinuous ring with suitable wire coupling.

Pat. 2,007,999. Hose Suspension. July 16, 1935. A ventilating tube comprising the combination of a tube and a suspension device having two parts, a part of said tube being securely fixed by means of a plurality of clinched ears between the said two parts of the suspension device.

Pat. 2,012,108. Resistant Material. Aug. 20, 1935. Mine ventilating tubing having an interlayer of metal foil to prevent the transfer of fungus infection.

Pat. 2,030,226. Casein Dispersion. Feb. 11, 1936. A composition comprising a homogeneous fluid dispersion of casein and a cellulose ether in a solvent mixture composed essentially of organic solvents and containing an alcohol and a sulphonated fixed oil.

Pat. 2,041,836. Impervious Fabric. May 26, 1936. Flexible oil pump diaphragm comprising a fabric impregnated with a drying oil containing an anti-oxidant such as diphenylguanidine.

Pat. 2,046,975. Paper Container. July 7, 1936. A moistureproof tobacco pouch comprising a strong paper base having a coating of sticky uncured rubber composition comprising inert pigments to which is applied a pulverulent tack reducing material in amount sufficient to render the rubber composition tack free but which leaves the rubber adhesive under pressure.

Pat. 2,054,274. Perforated Corset Material. Sept. 15, 1936. A perforated corset material comprising two plies of knitted fabric laminated by means of rubber layer.

Pat. 2,059,278. Process for Making Sponge Rubber Articles. Nov. 3, 1936. Sponge rubber containing animal or vegetable fibers.

Pat. 2,059,948. Coating Compositions. Nov. 3, 1936. A coating composition for renewing fabric automobile top comprising alkyd resin, carbon black, an iron drier, and lead oxide.

Pat. 2,062,469. Auto Top Material. Dec. 1, 1936. A rubberized auto top material having a topcoat of an alkyd resin containing aluminum powder.

Pat. 2,063,073. Aqueous Dispersions of Hydrogenated Rubber and Process of Preparing the Same. Dec. 8, 1936. Aqueous dispersions of hydrogenated rubber, method for making and fabrics coated therewith.

Pat. 2,063,134. Casein Dispersions. Dec. 8, 1936. A homogeneous water dispersion containing about 20% casein, 60% water and about 20% of a sulphonated fixed oil as the dispersing agent.

Pat. 2,065,881. Coated Fabric. Dec. 29, 1936. Rubber-coated fabric sheet having a coat of baked varnish comprising gilsonite, drying oil and pigment.

Pat. 2,069,314. Process for Making Bituminous Compositions. Feb. 2, 1937. Asphalt coating compositions consisting of heat processed asphaltites (gilsonite) to increase the fixed carbon content by 8–40%.

Pat. 2,074,769. Dining Table Equipment. Mar. 23, 1937. A table-pad made from coated fabric with sponge rubber adhered to one side.

Pat. 2,075,967. Sheet Material. Apr. 6, 1937. Artificial chamois made by impregnating a napped cotton fabric with a thin rubber dispersion containing rubber, factice and glycerol.

Pat. 2,078,921. Coating Composition. May 4, 1937. Anti-wrinkling coating compositions comprising tung oil-asphalt mixtures and an amine or an organic hydroxy compound as a wrinkling inhibitor.

Pat. 2,082,559. Method of Coating Fibrous Material. June 1, 1937. Coated fabric prepared by first applying a thin coat of a dispersion of rubber in gasoline. Second, dusting this material with powdered mica. Third, removing the surplus mica. Fourth, applying several coats of rubber latex. Fifth, vulcanizing.

Pat. 2,084,173. Wearing Apparel. June 15, 1937. A moistureproof jacket having ventilating means back of the shoulder.

Pat. 2,084,933. Asphalt Varnish. June 22, 1937. Gilsonite-drying oil varnish highly pigmented with carbon black and containing a long chain aliphatic monohydric alcohol.

Pat. 2,085,204. Antiskid Device for Power Driven Vehicles. June 29, 1937. An attachment for automobile tires to prevent skiding comprising a cross-strap of a plurality of laminated rubberized fabrics with an outer layer of sponge rubber.

Pat. 2,087,569. Gasket Material. July 20, 1937. A strip gasket comprising a fabric having a rubber outer surface and an inner sponge rubber surface with bulged edge portion connected by a narrower section, said bulged portions having resilient core of fibrous material.

Pat. 2,089,940. Coupling Device for Collapsible Tubes. Aug. 17, 1937. A coupling device for collapsible mine ventilating tubing.

Pat. 2,091,265. Flexible Noncollapsible Tubing. Aug. 31, 1937. Collapsible tubing reinforced in such a manner as to make it noncollapsible for use in mine ventilating, transporting fluids, etc.

Pat. 2,098,748. Article of Manufacture. Nov. 9, 1937. A coated vulcanized rubber sand-blasting stencil sheet comprising rubber and wood flour.

Pat. 2,098,754. Auto Top Material. Nov. 9, 1937. A rubberized auto top material having a superimposed coat of varnish and upon that a coat of aluminum paint in which the vehicle is an alkyd resin.

Pat. 2,098,788. Leather Substitute. Nov. 9, 1937. A flock sueded rubberized coated fabric, with the sueded surface impregnated with a rubber compound to prevent napping, smoothed and embossed.

Pat. 2,098,789. Leather Substitute. Nov. 9, 1937. A pigmented rubberized coated unnapped cotton fabric, with the cotton flock sueded surface impregnated with a pigment rubber compound, smoothed and embossed.

Pat. 2,110,070. Coated Fabrics. Mar. 1, 1938. A rubberized coated fabric with a base coat of rubber-wax composition and a colored topcoat in which the vehicle is an alkyd resin.

Pat. 2,110,072. Mixed Synthetic Glyceride Varnish. Mar. 1, 1938. Coatings comprising asphalt and glycerides of tung oil acids and another drying oil acid.

Pat. 2,121,678. Footwear and Sole Material Therefor. June 21, 1938. An imitation crepe rubber shoe sole which consists of a fabric first coated with dense rubber, then with rubber sponge and then with a water varnish.

Pat. 2,121,709. Leather Like Material and Process of Producing Same. June 21, 1938. A felted fabric coated on one side with a rubber cement and impregnated on the other side with a rubber latex.

Pat. 2,121,717. Method of Coating Fabrics and Product Thereof. June 21, 1938. Process of coating fabrics with latex in which the fabric is pretreated with a material which coagulates latex and then is coated with the latex.

Pat. 2,149,913. Perforated Fabric. Mar. 7, 1939. Rubberized fabric perforated by passing pins through it and into complementary cavities contained in a supporting die.

Pat. 2,166,224. Tobacco Pouch. July 18, 1939. A laminated tobacco pouch material comprising a flexible dense non-fibrous base intimately joined by means of an oil-varnish ink to a substantial layer of uncured rubber composition.

Pat. 2,186,124. Laminated Structure and Method for Making the Same. Jan. 9, 1940. A flexible laminated tobacco pouch material comprising a transparent base having a smooth, dense surface, an intermediate film comprising a nitrocellulose ink and a composition containing polymerized isobutylene and rosin, and joined thereto a substantial layer of filled, uncured rubber composition.

Pat. 2,187,563. Article of Manufacture. Jan. 16, 1940. Surgical adhesive tape made water repellent by coating the cloth with an emulsion containing deacetylated chitin.

Pat. 2,192,708. Laminated Material. Mar. 5, 1940. A laminated tobacco pouch material comprising a dense, non-fibrous, transparent, flexible base securely joined to a substantial layer of a filled, uncured rubber composition by means of an intermediate film of an alkyd resin containing rosin, said rubber composition being rendered non-tacky by means of a surface coat of starch.

Pat. 2,201,891. Coated and Impregnated Fabric. May 21, 1940. Fabrics coated and impregnated with compositions comprising monohydric alcohol modified urea formaldehyde resin.

Pat. 2,201,931. Article of Manufacture. May 21, 1940. A rubberized coated fabric in which the rubber compound contains an appreciable quantity of wood fiber (obtained from newsprint paper) evenly dispersed throughout it.

Pat. 2,208,619. Sealing Tape. July 23, 1940. A sealing tape comprising a fabric base, a coating of neoprene containing a salt of a chromic acid.

Pat. 2,213,899. Process of Making an Elastic Fabric. Sept. 3, 1940. Laminated sheet material comprising alternate layers of rubber and knitted fabrics for use in corset and brassiere manufacture.

Pat. 2,219,697. Article of Manufacture. Oct. 29, 1940. An insole for shoes consisting of laminations of latex coated paper.

Pat. 2,246,101. Floor Covering. June 17, 1941. A laminated floor covering in which the bottom layer is a sheet of metal foil, the next layer is sponge rubber adhered to the metal foil, and the top layer is a rubberized fabric.

Pat. 2,250,674. Diaphragm for Fuel Pumps. July 29, 1941. A fuel pump diaphragm capable of withstanding repeated flexings at a high rate comprising a textile fabric impregnated with a composition containing polyvinyl alcohol and a plasticizer selected from the class consisting of ethanol acetamide and ethanol formamide.

Pat. 2,268,121. Coated Fabric. Dec. 30, 1941. A fabric coated with a composition containing a polyvinyl butyraldehyde resin, plasticizer, wax and a suitable solvent.

Pat. 2,292,454. Treatment of Surface Halogenated Rubber. Aug. 11, 1942. Treatment of halogen-hardened rubber surfaces with long chain amines or amides.

Pat. 2,302,557. Rubber Product. Nov. 17, 1942. An article of manufacture which comprises rubber having a halogen-hardened surface overlaid with an adherent baked film comprising a phenol-aldehyde resin.

Pat. 2,307,508. Preventing Evaporation From Oil Storage Tanks. Jan. 5, 1943. A floating roof for storage tanks comprising a layer of buoyant material which is covered by a membrane of fabric coated with a material which is not penetrated by the vapor of the liquid contained in the tank and which will float on the surface of the liquid and is non-rigid.

Pat. 2,336,792. Rubber Product. Dec. 14, 1943. Rubber surfaces coated with compositions containing phenol-aldehyde resins and vinyl-type resins.

Pat. 2,370,457. Rubber Products. Feb. 27, 1945. As a rubber filler chrome-tanned leather shavings which have been fat-liquored.

Pat. 2,371,042. Noncollapsible Tubing. Mar. 6, 1945. A non-collapsible mine ventilating tubing comprising a coated fabric tubing supported by strips of spring steel.

Pat. 2,377,989. Car Lining. June 12, 1945. A lining for boxcars for petroleum products made from a fabric coated with a hydrocarbon resistant synthetic rubber-like material.

Pat. 2,386,095. Heating Device. Oct. 2, 1945. An improved heating element adapted to develop heat when connected to a source of electric energy comprising a semi-conducting film of a polymeric organic substantially non-conducting composition containing an alkyd resin, a polyvinyl acetal resin, an insolubilizing agent for said acetal resin and a carbon black having an electrical resistivity of less than 1.0 ohm per 1" cube.

Pat. 2,387,512. Luminescent Adhesive Tape. Oct. 23, 1945. A phosphorescent adhesive tape comprising a transparent base having on one side thereof a thin, substantially transparent layer of rubber, a layer of luminescent pigment and another layer of rubber adhesive superposed over said pigment layer.

Pat. 2,400,918. Airplane Wing or Fin With Improved Airfoil Characteristics. May 28, 1946. A rubberized coated fabric applied manually to airplane wing or fin, the fabric containing a potentially gas-evolving substance in its rubber coating, and this assembly heated to cause the rubber coating to become sponge rubber.

Pat. 2,404,313. Coated Fabric. July 16, 1946. A light weight textile fabric coated with a 90–10 copolymer of vinyl chloride and vinyl acetate containing pigment and as a plasticizer azelaic di-ester of monobutyl ether of ethylene glycol.

Pat. 2,408,416. Semi-Conducting Composition. Oct. 1, 1946. A semi-conducting composition comprising finely divided carbon-black dispersed in a vehicle containing an alkyd resin, a polyvinyl acetal resin and urea-formaldehyde resin as the essential film forming ingredient. The carbon black is preferably acetylene black.

Pat. 2,413,931. Pressure Sensitive Adhesive Fabrics. Jan. 7, 1947. A pressure sensitive adhesive fabric comprising a fabric coated with a mixture of polyvinyl butyral, polyvinyl acetate and dibutyl phthalate.

Pat. 2,423,565. Polyvinyl Acetal Resin Composition. July 8, 1947. A polyvinyl butyral resin rendered insoluble by heating in the presence of a butanol modified urea-formaldehyde resin.

Pat. 2,426,775. Process of Curing Sheeted Plastic Material. Sept. 2, 1947. Process in which the sheeted material is rapidly heated, then compacted, as by forming a roll, then stored in roll form without materially changing the temperature until the curing is completed, and then cooling.

Section 7

Impregnated Paper and Similar Sheet Material

Pat. 1,913,283. Impregnated Paper Product. June 6, 1933. As an article of manufacture an impregnated sheet of felted artificially crinkled cellulose fibers, said fibers having a freeness of 15 to 40 seconds and exhibiting a blue stain when treated with zinc chloride solution.

Pat. 1,944,906. Absorbent Felt and Artificial Leather Product Made Therefrom. Jan. 30, 1934. Making absorbent felt by hydrating mercerized but unpurified paper pulp, and use as impregnating base for artificial leather.

Pat. 1,944,907. Impregnated Paper Product. Jan. 30, 1934. A sheet of felted, artificially crinkled, superficially mercerized fibers impregnated with a mixture of drying oil and bituminous material, said fibers having a freeness of 15 to 40 seconds.

Pat. 1,945,537. Artificial Fabric. Feb. 6, 1934. Sheets of artificially crinkled, fibrous cellulosic material having starch absorbed therein.

Pat. 1,945,538. Artificial Fabric. Feb. 6, 1934. Web of artificially crinkled, fibrous cellulosic material impregnated with coagulated rubber latex.

Pat. 1,953,083. Artificial Fabric Containing Resins. Apr. 3, 1934. Artificial fabric comprising artificially crinkled cellulosic material impregnated with a vinyl ester polymer.

Pat. 1,967,929. Top Spinning Cover. July 24, 1934. A top spinning roll cover which comprises crinkled paper making fibers felted into a paper and impregnated with rubber latex, and forming the impregnated sheet into a cylinder.

Pat. 1,998,758. Treatment of Paper Pulp. Apr. 23, 1935. Starch-impregnated hydrated mercerized paper pulp.

Pat. 2,003,961. Inner Sole and Like Product. June 4, 1935. A shoe sole having closely spaced lines impressed therein and running transversely of the sole and impressed lines running in the heel to toe direction of the sole, said last mentioned lines being further spaced than said first mentioned lines.

Pat. 2,011,914. Fibrous Material and Process of Making It. Aug. 20, 1935. Artificial leather comprising a mat of compressed gelatinizable and ungelatinizable fibers.

Pat. 2,015,132. Vulcanized Fiber. Sept. 24, 1935. A process of making vulcanized fiber which comprises treating wood pulp of 700–1200 centipoise viscosity with a mercerizing agent to a freeness of 25 to 55 seconds, cutting the fibers to a freeness of 160 to 250 seconds, forming into paper and treating with a gelatinizing agent.

Pat. 2,216,845. Manufacture of Paper. Oct. 8, 1940. Greaseproof paper prepared by a process involving the new steps of mixing the paper pulp with a size solution containing as a film former an alkali soluble cellulose ether and treating the sized fibers with an aqueous solution of an alkaline swelling agent.

Section 8

Finishes for Metal and Glass—Including Automobiles, Refrigerators, Etc.

Pat. 1,912,369. Coating Composition and Method of Making and Applying It. June 6, 1933. Alkyd resin surfacers applicable in several coats with one baking operation, containing specified pigment combinations and proportions of oil.

Pat. 1,912,370. Coating Composition and Method of Making and Applying It. June 6, 1933. Oil-type coatings applicable in several coats with one baking operation and containing specified pigment combinations and proportions of oil.

Pat. 1,912,371. Coating Compositions and Method of Making and Applying Them. June 6, 1933. Coating articles with oil-type primer, drying, applying several coatings of alkyd resin surfacer without intermediate drying, and drying surfacer coats simultaneously.

Pat. 1,912,372. Method of Coating and Article Produced Thereby. June 6, 1933. Coating articles with a primer, applying several surfacer coatings without drying, drying the surfacer coatings simultaneously and applying a topcoat.

Pat. 1,914,097. Insulated Electrical Conduit. June 13, 1933. An electrical conductor carrying a coating comprising cellulose acetate, triacetin, magnesium carbonate and rottenstone.

Pat. 1,914,563. Nonchalking Coating Composition. June 20, 1933. A chalking resistant coating composition comprising a cellulose derivative vehicle and antimony oxide, said vehicle normally yielding chalking films with zinc oxide, titanium dioxide and lithopone.

Pat. 1,936,533. Phosphates of Alkylolamine Compounds and Their Production. Nov. 21, 1933. Phosphate of triethanolamine ester of an aliphatic monobasic acid having a molecular weight greater than 150, to impart anti-rust properties to a paint.

Pat. 1,936,534. Coating Compositions. Nov. 21, 1933. A coating composition comprising a hydrocarbon solvent and a phosphate of a triethanolamine ester of a fatty acid having a molecular weight greater than 150, used to impart anti-rust properties to a paint.

Pat. 1,941,398. Coating Composition. Dec. 26, 1933. A coating composition comprising a flaked pigment, a drier and a solution of a volatile solvent of an oil modified resin having an acid number not greater than 15 comprised of the reaction product of a polyhydric alcohol, a polybasic acid and drying oil.

Pat. 1,948,580. Nonchalking Coating Composition. Feb. 27, 1934. An opaque, chalk resistant coating composition comprised of zirconium oxide as the sole white pigment in a cellulose derivative vehicle which normally yields a chalking film when combined with zinc oxide.

Pat. 1,948,582. Antioxidants. Feb. 27, 1934. Oil-type coating compositions containing creosole as antiskinning agent.

Pat. 1,954,835. Crystallizing Varnish. Apr. 17, 1934. A crystallizing varnish containing 19 parts by weight of a glycerol-phthalic anhydride-China-wood oil acids resin, 38 parts by weight of blown China-wood oil, 5.5 parts by weight of cobalt drier solution, 9.5 parts by weight of high boiling gasoline.

Pat. 1,967,936. Paint Vehicle for Flaked Pigments. July 24, 1934. A coating composition comprising flaked aluminum pigment, a drier and a solution in a volatile solvent of an oil modified polyhydric alcoholic-polybasic acid resin.

Pat. 1,972,521. Synthetic Resin. Sept. 4, 1934. A process for preparing light-colored, nonyellowing alkyds which comprises polymerizing and bleaching drying oils by heating in the absence of an oxidizing gas followed by heating with a polyhydric alcohol to form a single phase and finally esterifying with a polybasic organic acid.

Pat. 1,983,460. Nonyellowing Baking Enamel. Dec. 4, 1934. A nonyellowing baking enamel comprising an alkyd resin modified with a substantial quantity of fatty oil acids of which not less than about 90% consists of the fatty oil acids of a fatty oil having an iodine value not greater than 150 and a hexabromide number not greater than 10.

Pat. 1,986,930. Enamel-Like Coating Composition. Jan. 8, 1935. An alkyd resin coating composition in which an oil soluble polyhydric alcohol-polybasic acid resin is blended or dissolved in the cold in a bodied oil of the drying or semi-drying type.

Pat. 1,986,936. Polishing Composition. Jan. 8, 1935. An emulsified polish containing carnauba wax, paraffin, naphtha, heavy mineral oil, petroleum base sulphonic acid soluble in petroleum hydrocarbon solvents and water.

Pat. 1,989,711. Light Colored Coating Composition. Feb. 5, 1935. A rapid drying light colored coating composition comprising oil modified alkyd resin and a drier containing a major proportion of an organic peroxide.

Pat. 1,995,954. Rust-Resisting Coating Composition. Mar. 26, 1935. A rust-resisting coating composition comprising phosphoric acid and a varnish vehicle in hydrocarbon solvent wherein the acid is insoluble and is rendered compatible therewith by incorporation of a miscible organic solvent for the phosphoric acid.

Pat. 1,998,744. Baking Enamel. Apr. 23, 1935. A coating composition comprising an aqueous solution of an alkyd resin prepared by heating a polyhydric alcohol with at least 10% excess of polycarboxylic acid, dissolving resulting resin in an aqueous solution of a water soluble volatile base and adding thereto an amount of polyhydric alcohol chemically equivalent to the excess of polycarboxylic acid.

Pat. 1,999,413. Method of Decorating Surfaces. Apr. 30, 1935. Adhering of a decalcomania to a surface by means of a heat-hardening alkyd resin, and baking to thoroughly harden the resin.

Pat. 2,000,095. Insulated Electric Conductor. May 7, 1935. An electric conductor comprising a wire, a layer of rubber surrounding the wire, a fabric layer surrounding the rubber layer and an outer cellulose lacquer coating, said fabric layer being impregnated with a solution of a synthetic resin resistant to oil.

Pat. 2,003,068. Protective Finish. May 28, 1935. An article of manufacture having as a base coat finish a nitrocellulose composition and as a topcoat finish an oil modified alkyd resin composition.

Pat. 2,008,018. Graining Ink. July 16, 1935. A graining ink comprising pigment dispersed in a vehicle which is non-solvent for cellulose esters, said vehicle comprising a 4% solution of natural resins in a solvent mixture of which the major components are high boiling alcohols and terpineol.

Pat. 2,011,898. Stencil Paste. Aug. 20, 1935. A stencil paste comprising a drying oil alkyd resin, pigment, drier and a dilute soap solution to prevent runs and sags.

Pat. 2,047,797. Baking Enamel. July 14, 1936. A high-temperature baking enamel comprising asphalt and an alkyd resin.

Pat. 2,047,889. Baking Enamel. July 14, 1936. A high-temperature black baking enamel comprising asphalt and a drying oil.

Pat. 2,064,608. Cellulose Derivative Coating Composition. Dec. 15, 1936. A flat black lacquer for switchboards in which the black pigment is manganese dioxide.

Pat. 2,072,770. Coating Composition and Drier Therefor. Mar. 2, 1937. Polyvalent metal salts of phthalamic acids as driers for oil-type coating compositions for use in fender enamels.

Pat. 2,078,971. Process for the Manufacture of Polishing Wax Compositions. May 4, 1937. A process of manufacturing polishing waxes in which the temperatures of adding the different ingredients are carefully controlled.

Pat. 2,086,714. Coating Compositions. July 13, 1937. A high lustre white coating composition comprising small particle size (0.12 to 0.12 micron) zinc oxide dispersed in a vehicle selected from the group consisting of cellulose derivatives and alkyd resins, said pigment being present in excess of 15% of the solids content.

Pat. 2,096,448. Insulated Electric Cable. Oct. 19, 1937. A corona resistant, nonblocking cable lacquer which contains a spewing mineral oil ingredient.

Pat. 2,110,085. Resinous Coating Compositions. Mar. 1, 1938. A nonfrosting China-wood oil alkyd resin composition containing from 2% to 15% of an oil-soluble phenol-formaldehyde resin.

Pat. 2,155,775. Bituminous Compositions and Process for Making Same. May 3, 1938. Fender enamels containing processed asphaltites and fatty oils or resins.

Pat. 2,116,318. Electrical Equipment. May 3, 1938. Insulating varnish for electrical coils comprising a mixture of monomeric and polymeric methyl methacrylate.

Pat. 2,118,521. Polishing Composition. May 24, 1938. A liquid wax polishing composition consisting of a wax, a readily volatile solvent therefor and 1 to 6% of an acid phthalate alkyl ester, the alkyl group having more than 4 carbon atoms.

Pat. 2,121,680. Coating Compositions. June 21, 1938. Rigid articles coated with non-heat-hardening resin consisting essentially of ether linkage, said resin being the reaction product of a polyhydric phenol and an organic polyhalide.

Pat. 2,121,690. Resinous Coating Compositions. June 21, 1938. A nonfrosting Chinawood oil composition comprising a Chinawood oil modified alkyd resin containing an excess of glycerine, and a urea-formaldehyde resin.

Pat. 2,128,961. Coated Products and Process Whereby Prepared. Sept. 6, 1938. Rigid, porous non-fibrous inorganic surface primed with deacetylated chitin and coated thereover with film forming material of the class consisting of drying oils, resins and cellulose derivatives.

Pat. 2,139,008. Coating Composition. Dec. 6, 1938. Chalk resistant coating compositions comprising one-half to one part of acrylic resin for each part of cellulose nitrate as the vehicle for the pigment which normally chalks in a cellulose nitrate vehicle.

Pat. 2,141,729. Polishing Composition. Dec. 27, 1938. A polish comprising as an emulsifying agent, an alkali metal salt of a sulfated alcohol and another emulsifying agent of the bodying type, a non-drying oil as the dispersed phase, and water as the continuous phase.

Pat. 2,149,914. Coating Compositions. Mar. 7, 1939. A rust inhibiting paint comprising a rust inhibiting lead pigment and an extender in an oil vehicle in specific ratios.

Pat. 2,149,915. Coating Compositions. Mar. 7, 1939. A rust inhibiting paint comprising a rust inhibiting chromium pigment and an extender in an oil vehicle in specific ratios.

Pat. 2,170,658. Enamel Composition. Aug. 22, 1939. A coating composition comprising an alkyd resin as the predominating film forming component, cellulose nitrate, plasticizer, pigment and 0.05 to 1.00% orthophosphoric acid to promote adhesion.

Pat. 2,189,530. Finishing Composition. Feb. 6, 1940. The process of preparing mar-resistant coating compositions in which a wax is colloidally dispersed in a heat bodied oil having drying properties.

Pat. 2,191,530. Coating Composition. Feb. 27, 1940. A non-bronzing maroon cellulose derivative coating composition comprising a cellulose derivative (e. g., cellulose nitrate), and an azo pigment selected from the class consisting of diazotized meta-nitro-para-anisidine coupled with meta-nitranilide of 2-hydroxy-3 naphthoic acid and diazotized meta-nitro-ortho-anisidine coupled with meta-nitranilide of 2-hydroxy-3 naphthoic acid.

Pat. 2,191,947. Coating Compositions. Feb. 27, 1940. A white coating composition resistant to yellowing comprising an alkyd resin vehicle, a major proportion of white pigment, a blue tinting pigment and a maroon pigment selected from the class of Mineral Violet and Cobalt Violet.

Pat. 2,214,127. Coating Composition. Sept. 10, 1940. An oil and grease resistant coating composition comprising cellulose nitrate and up to an equal amount of combined low acid number alkyd resin and plasticizer, said resin being an alkyd modified with non-hydroxy non-drying vegetable oils and a phthalic acid ester of alkyl and cyclic alcohols.

Pat. 2,214,667. Coating Composition. Sept. 10, 1940. A chalking and bronzing resistant coating composition comprising pigment, cellulose nitrate and one-half to one part of non-hydroxy-non-drying oil modified low acid number alkyd resin for each part of cellulose nitrate.

Pat. 2,223,026. Metal Container. Nov. 26, 1940. A lacquer for the interior of beer cans using a cyclohexyl ester of a carboxylic acid as a plasticizer.

Pat. 2,225,256. Coating Composition. Dec. 17, 1940. A coating composition comprising a heat hardening urea-formaldehyde resin and from about 0.05% to 4.5% of chlorinated rubber.

Pat. 2,225,303. Acid and Alkali Resistant Paint. Dec. 17, 1940. A coating composition which is highly resistant to acids and alkalies and which has a metallic luster when dry, comprising 2 to 10 pounds of finely divided leafed lead and from .4 to 2 pounds of chlorinated rubber for each gallon of coating composition.

Pat. 2,246,095. Coating Composition. June 17, 1941. An enamel resistant to yellowing comprising titanium dioxide pigment, alkyd resin modified with oils having an iodine number below 100 and urea formaldehyde resin modified with monohydric alcohol.

Pat. 2,250,667. Polishing Composition and the Method of Preparing the Same. July 29, 1941. An emulsion polishing composition of the oil-in-water type comprising an emulsifying agent of the bodying type, a matting agent consisting essentially of methyl cellulose, an oil, and water.

Pat. 2,258,708. Glass Article. Oct. 14, 1941. Glass coated with alkyd undercoats and heat-hardening phenol formaldehyde resin topcoats.

Pat. 2,260,819. Coating Composition. Oct. 28, 1941. The reaction product at room temperature of a blown drying oil and from 1 to 3% of ortho-phosphoric acid, dispersed in solvent to below 50% solids before a rubbery gel is produced.

Pat. 2,279,496. Stencil Paste. Apr. 14, 1942. A coating composition adapted to be used as a silk screen stencil paste comprising a modified alkyd resin, a cadmium red lithopone pigment and diphenyl guanidine.

Pat. 2,286,767. Coated Alkaline Articles and Process of Making Them. June 16, 1942. A primer composition for application over calcareous surfaces and under alkali sensitive oleoresinous coatings comprising an alkali impermeable vinyl polymer plasticized with bis-aryloxy alkyl ether.

Pat. 2,286,964. Sealing Coating Composition. June 16, 1942. A sealing coating composition for use over "bleeding" enamels, comprising an organic film forming polymer vehicle and activated vegetable carbon.

Pat. 2,287,986. Resinous Coating Composition. June 30, 1942. Synthetic resin enamel containing diphenyl or triphenyl guanidine as a drier.

Pat. 2,302,583. Plastic Composition. Nov. 17, 1942. Coating compositions comprising chlorinated rubber and bis-aryloxy-ethyl ethers as plasticizers.

Pat. 2,310,866. Luminescent Tube. Feb. 9, 1943. A lacquer for depositing a thin layer of luminous material in which the essential ingredient is dynamite nitrocellulose for use in the production of fluorescent lights.

Pat. 2,310,867. Coating Composition. Feb. 9, 1943. Nonsagging nitrocellulose lacquer characterized by the presence of a small amount of dynamite nitrocellulose.

Pat. 2,315,347. Coating Composition. Mar. 30, 1943. An oil and greaseproof automobile enamel characterized by the presence of malic acid.

Pat. 2,316,041. Process for Simulating Hammered Metal. Apr. 6, 1943. A hammered metal effect obtained by spraying large drops of thinner on a partially hardened metallic enamel.

Pat. 2,318,606. Corrosion Inhibition. May 11, 1943. Long chain alkyl ammonium phosphates as anti-corrodents.

Pat. 2,326,623. Coating Composition. Aug. 10, 1943. A coating composition adapted to be applied by spraying comprising a resinous film-forming agent, flake aluminum, and from 0.8 to 2.0% of rubber.

Pat. 2,335,760. Coating Composition. Nov. 30, 1943. A durable coating composition comprised by hydrous iron oxide of average particle size less than 100 millimicrons dispersed in a cellulose derivative vehicle.

Pat. 2,343,925. Metallic Finish Enamel. Mar. 14, 1944. An improved metallic synthetic enamel composition comprising an alkyd resin, metallic flake and 1 to 8% of 12-hydroxystearin (hydrogenated castor oil), the latter introduced in the form of a colloidal paste.

Pat. 2,344,793. Coating Composition. Mar. 21, 1944. A non-yellowing, non-marring white baking enamel containing up to 1% of a wax based on the pigment.

Pat. 2,383,548. Coating Composition. Aug. 28, 1945. A corona-proof cable lacquer containing ethyl cellulose and a butyl alcohol modified urea-formaldehyde resin.

Pat. 2,384,093. Photographic Transfer Paper. Sept. 4, 1945. A photographic transfer paper of improved resistance to fogging made by coating the back side of the photographic transfer paper with non-fogging, substantially gas impervious sealer prior to or during the lamination to template stock.

Pat. 2,384,270. Coating Compositions and Process for Preparing Them. Sept. 4, 1945. A non-settling paint containing a drying oil acid, an air blown drying oil, and amount of water equal to twice the combined weight of the acid and the oil.

Pat. 2,389,210. Airplane Wing or Fin With Improved Airfoil Characteristics. Nov. 20, 1945. An airplane wing coated with a rubber compound or a vinyl compound to level out irregularities caused by rivet heads, etc.

Pat. 2,393,583. Coating Compositions for Use in Preparing Photo-Templates. Jan. 29, 1946. A photo-template comprising a rigid base having an oil primer in contact therewith, superimposed upon the primer a transfer lacquer, a photo-sensitive emulsion cemented thereto, and a mild alkaline material incorporated in one of the coats between the metal and the photo-sensitive emulsion.

Pat. 2,402,551. Metal Protective Coatings. June 25, 1946. A coating composition comprising lanolin, a volatile organic solvent and ethyl cellulose. Useful as a stripping lacquer.

Pat. 2,424,730. Coating Composition Comprising a Vehicle Containing a Drying-Oil-Modified Alkyd or Phenol Formaldehyde Resin, Pigment Litharge and Calcium Hydrate. July 29, 1947. A rapid drying, anti-corrosion metal protective primer composition comprising drying oil modified alkyd or phenolic resins, pigment and 0.1% to 4.0% of litharge and calcium hydrate based on film forming solids.

Pat. 2,432,747. Coated Wall Tile. Dec. 16, 1947. An imitation ceramic wall tile made of pressed wood, primed, surfaced and topcoated with an alcohol modified urea formaldehyde-alkyd resin enamel.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 14, 1948

[VOL. 617. NO. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 521,992. SCHNEIDER LEATHER NOVELTY CO., New York, N. Y. Filed May 6, 1947.

SECRET SERVICE

FOR WALLETS AND BILLFOLDS.
Claims use since May 6, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 516,146. NELSON-FRENCH COMPANY, Warsaw, N. Y. Filed Jan. 22, 1947.

N & F

FOR SOAP CLEANSER.
Claims use since Oct. 10, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 509,655. LEO HABER, doing business as Equalife Laboratories, Los Angeles, Calif. Filed Sept. 24, 1946.

BLUE CROSS

FOR LIQUID CUTICLE REMOVER.
Claims use since February 1939.

Ser. No. 511,281. RAYNARD J. MARX, doing business as Marx Chemical Supply Company, Chicago, Ill. Filed Oct. 22, 1946.

CENLAB

FOR EMBALMING PREPARATIONS—NAMELY, ARTERIAL FLUID, DEODORANT SPRAY, ARTERIAL CLEANING FLUID, MODIFIER FLUID, CAVITY FLUID AND DISINFECTING POWDER.
Claims use since February 1940.

Ser. No. 516,983. HERBERT CARLISLE HENLEY, doing business as Globe Medicine Company, Kinston, N. C. Filed Feb. 5, 1947.

GLOMECO

FOR AFTER SHAVE LOTION, SKIN LOTION, SKIN SALVE, LAXATIVE TABLETS, DIURETIC STIMULANT TO THE KIDNEYS, OINTMENT, WHITE LINIMENT, LAXATIVE COMPOUND, SYRUP COMPOUND FOR TREATMENT OF COMMON THROAT IRRITATIONS RESULTING FROM COLDS, IRON TONIC APPETIZER, SALVE, HOT TOM LINIMENT USED EXTERNALLY AS AN ANODYNE AND COUNTER IRRITANT FOR MINOR MUSCULAR PAINS AND ACHES DUE TO OVER-EXERCISE, AND ALSO USED INTERNALLY AS A CARMINATIVE FOR EXPELLING GAS, MEDICINAL COMPOUND FOR WOMEN USED FOR SIMPLE MINOR FUNCTIONAL PERIODIC DISCOMFORTS TO WHICH WOMEN ARE SUBJECT, BABY LAXATIVE, CORDIAL INTERNAL MEDICINE FOR UP-SET STOMACHS, VANISHING CREAM FOR FACE AND HANDS, COLD-CLEANSING CREAM, ANTISEPTIC MEDICATED CREAM, ASTRINGENT AND ANTISEPTIC MOUTH-WASH, SPECIAL TABLETS, COCOANUT OIL SHAMPOO, LAXATIVE POWDER, ALKALINE POWDER FOR USE IN TREATMENT FOR ACID STOMACH DUE TO CONSTIPATION, KITCHEN SALVE FOR BURNS AND SKIN ERUPTIONS.
Claims use since Jan. 1, 1944.

Ser. No. 520,872. RICHARD HUDNUT, New York, N. Y. Filed Apr. 17, 1947.

YANKY CLOVER

The word "Clover" is disclaimed apart from the mark.
FOR TOILET WATER, PERFUME, SACHET POWDER, TALCUM POWDER, DUSTING POWDER, AND FACE POWDERS.
Claims use since July 1944.

Ser. No. 521,676. MADAM ELIZABETH NELSON, Detroit, Mich. Filed May 1, 1947.



No claim is made to the words "Madam Elizabeth Nelson" except in the association as shown. The portrait is that of the applicant.

FOR SHAMPOO, PRESSING OIL, TEMPLE GROWER (A PREPARATION SPECIALLY DESIGNED FOR RELIEF OF FALLING HAIR IN THE TEMPLE REGION), AND HAIR GROWER.

Claims use since Jan. 1, 1920.

Ser. No. 525,918. A. JOHN MILLER, doing business as Cadet Laboratories. Worcester, Mass. Filed July 3, 1947.

CADET

FOR CREAM TO BE RUBBED UPON THE HANDS TO PROTECT THE HANDS AGAINST DIRT AND ALSO TO PREVENT THE IRRITATION OF THE HANDS DURING SKIN IRRITATING WORK; AND CHEMICAL DEODORANT AIR-CONDITIONER AND HUMIDIFIER FOR CLEANSING THE AIR IN ROOMS.

Claims use since April 1939.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 511,422. THE SCHERMULY PISTOL ROCKET APPARATUS LIMITED, Surrey, England. Filed Oct. 24, 1946.



FOR SIGNALLING AND LIFE-SAVING APPARATUS AND PARTS THEREOF, FIRE ALARMS, AND PYROTECHNIC ARTICLES, CONSISTING OF ROCKETS, INCLUDING PYROTECHNIC ROCKETS USED FOR DROPPING FLARES TO ILLUMINATE AREAS OR TO ACT AS SIGNALS, FIRE ALARM ROCKETS WHICH ARE HELD STATIONARY AND UPON DISCHARGE PRODUCE A WHISTLE OR OTHER NOISE, LIFE SAVING ROCKETS CARRYING A LINE, PROJECTORS FOR FIRING ROCKETS, STANDS FOR SUPPORTING STATIONARY ROCKETS, CASES FOR AND PARTS OF SAID ROCKETS AND PROJECTORS, AND CARTRIDGES, FLARES, PARACHUTES AND FLOATING LINES FOR USE IN SAID ROCKETS OR SAID PROJECTORS.

Claims use since 1910.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 525,924. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed July 3, 1947.



Applicant does not claim exclusive rights to the word "Carbon" apart from the mark as shown.

FOR CARBONACEOUS PASTE USED FOR THE FORMING OF PARTS AND THE JOINTING OF PREBAKED OR PREFORMED SECTIONS IN ELECTRIC FURNACE, BLAST FURNACE, AND OTHER FURNACE CONSTRUCTION, AND IN THE CONSTRUCTION OF ELECTROLYTIC CELLS AND CHEMICAL APPARATUS.

Claims use since Mar. 5, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 516,952. THE BROCKWAY COMPANY, Naugatuck, Conn. Filed Feb. 5, 1947.

BROCO

FOR PIPE FITTINGS—NAMELY, CONNECTORS, COUPLINGS, UNIONS, CROSSES, ELBOWS AND NUTS, MADE OF FERROUS AND NON-FERROUS METALS, AND FLEXIBLE METAL PIPE.

Claims use since Nov. 29, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 489,041. CONSOLIDATED VULTEE AIRCRAFT CORPORATION, San Diego, Calif. Filed Sept. 27, 1945.

ELF

FOR SEMI-SOLID LUBRICANT ADAPTED FOR USE IN LUBRICATING DRILLS AND CONTAINED IN A PACKAGE WHICH IS FORMED OF CARDBOARD AND IS ADAPTED TO HAVE THE DRILLS WHILE BEING DRIVEN INSERTED THROUGH ITS WALLS AND INTO THE LUBRICANT.

Claims use since Apr. 15, 1945.

Ser. No. 499,859. FRANK J. SCHAEFER, doing business under the name of The Narf Company, St. Louis, Mo. Filed Apr. 8, 1946.

CYLATONE

FOR OIL-LIKE METAL PENETRANT THAT CONTAINS CHEMICAL SOLVENTS FOR SLUDGE REMOVAL.

Claims use since Jan. 25, 1946.

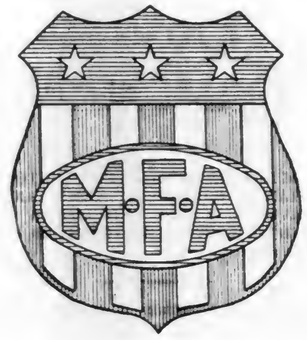
Ser. No. 512,539. THE STANDARD OIL COMPANY, Cleveland, Ohio. Filed Nov. 13, 1946.

PENTOSUL

FOR ADDITIVE HAVING AN OIL BASE SUITABLE FOR INCORPORATION IN A SMALL AMOUNT IN A LUBRICATING OIL OR GREASE.

Claims use since Sept. 23, 1946.

Ser. No. 513,128. MISSOURI FARMERS ASSOCIATION, INC., Columbia, Mo. Filed Nov. 23, 1946. Under the act of February 20, 1905, as amended June 10, 1938.



The drawing is lined for the colors red and blue.

FOR GASOLINES, KEROSINES, BENZINES, DISTILLATES, DIESEL ENGINE FUEL OILS, BURNER FUEL OILS, AND LUBRICATING OILS AND GREASES.

Claims use since Nov. 1, 1929.

Ser. No. 523,076. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed May 26, 1947.

CENCO

FOR LUBRICATING GREASE FOR STOPCOCKS; OILS FOR USE PARTICULARLY AS LUBRICATING AND SEALING OIL FOR HIGH VACUUM PUMPS; PETROLEUM WAX.

Claims use since 1909.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 501,914. CHARLES E. KRAUS, doing business as Kraus Research Laboratories, Sparks, Md. Filed May 11, 1946.

KAYKOTE

FOR CERAMIC COATINGS SIMILAR TO BAKING ENAMEL FOR USE ON METAL AND OTHER TYPE SURFACES.

Claims use since Apr. 5, 1946.

Ser. No. 507,695. SAPOLIN CO. INC., New York, N. Y., now by change of name Sapolin Paints Inc. Filed Aug. 20, 1946.

"Bottled Brilliance"

FOR POLISHING CREAM FOR AUTOMOBILES, DOORS, PIANOS, FURNITURE, VENETIAN BLINDS, REFRIGERATORS, SAFES AND OTHER PAINTED, VARNISHED OR LACQUERED SURFACES.
Claims use since 1926.

Ser. No. 507,697. OTTO EUGEN SCHNIEBS, doing business as Otto Eugen Schniebs Co., Lake Placid, N. Y. Filed Aug. 20, 1946.

S-50

FOR LIQUID IN THE NATURE OF A VARNISH OR SHELLAC FOR THE PROTECTION OF THE RUNNING SURFACE OF SKIS.
Claims use since July 15, 1946.

Ser. No. 515,534. JAMES M. CALLAGHAN, doing business as C. M. Laboratory and Tool Co., Chicago, Ill. Filed Jan. 10, 1947.

Quaker Girl

FOR SELF-POLISHING FLOOR WAX.
Claims use since Nov. 20, 1942.

Ser. No. 516,245. ANDERSON-PRICHARD OIL CORPORATION, Oklahoma City, Okla. Filed Jan. 24, 1947.

Wet Ege Spirits

Exclusive use of the words "Spirits" and "Wet" is not claimed apart from the rest of the mark shown.
FOR THINNER FOR PAINT, VARNISH AND ENAMEL.
Claims use since June 20, 1941.

Ser. No. 522,484. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md. Filed May 16, 1947.

SILENTIZE WITH FENDIX

FOR CAR BODY UNDERCOATING AND SOUND DEADENER IN THE NATURE OF PAINT.
Claims use since Apr. 9, 1947.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 513,988. SIMON SIMRING, doing business as Bertene Garcia Cigar Co., Brooklyn, N. Y. Filed Dec. 10, 1946.

BERTENE GARCIA

The word "Garcia" is disclaimed apart from the mark.
FOR CIGARS.
Claims use since 1913.

CLASS 19

VEHICLES

Ser. No. 501,827. CONLEY & TRUE, Minneapolis, Minn. Filed May 10, 1946.

TRAIL TRUE

FOR SUPPORTING DOLLY FOR TRAILERS.
Claims use since Aug. 31, 1945.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 516,528. BARRY AND STAINES LINOLEUM (CANADA) LIMITED, Farnham, Quebec, Canada. Filed Jan. 29, 1947.

Supervein

FOR LINOLEUM FOR FLOOR, WALL, TABLE, COUNTER, AND DESK COVERINGS.
Claims use since May 26, 1933.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 519,227. SOLOTONE CORPORATION, Los Angeles, Calif. Filed Mar. 18, 1947.

Solotone

FOR COIN OPERATED LOUD SPEAKERS FOR CONNECTION TO AN ELECTRICAL RECORD PLAYER.
Claims use since Sept. 1, 1946.

Ser. No. 521,062. EBERLY R. ETHINGTON, doing business as Ethington Manufacturing Co., Venice, Calif. Filed Apr. 21, 1947.



In the drawing the representation of the human figure is fanciful, and the representation of the microphone is disclaimed apart from the mark.
FOR RADIO LOUD SPEAKERS.
Claims use since Jan. 29, 1947.

Ser. No. 523,435. VACTRIC LIMITED, London, England. Filed June 2, 1947.

VACTRIC

FOR ELECTRIC VACUUM CLEANING MACHINES AND ELECTRIC FLOOR POLISHING MACHINES FOR DOMESTIC USE, AND PARTS THEREOF.
Claims use since 1934.

Ser. No. 524,223. THE WILCOX-GAY CORPORATION, Charlotte, Mich. Filed June 14, 1947.

Recordio Educator

FOR RADIO RECEIVING SETS AND ELECTRICAL PHONOGRAPHS.
Claims use since May 22, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 510,506. CHARLES A. GEORGE, JR., doing business as Magnatoy Co., Brookline, Mass. Filed Oct. 9, 1946.

MAGNATOY

FOR GAMES HAVING A PLAYING PIECE OR PIECES MOVED BY MAGNETIC ATTRACTION.
Claims use since June 8, 1946.

Ser. No. 511,180. NEW JERSEY INSTRUMENT PARTS CO., Teaneck, N. J. Filed Oct. 19, 1946.

Aero-Gyro

The word "Gyro" is disclaimed apart from the mark as shown.
FOR TOY TOPS.
Claims use since Nov. 21, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 508,573. CENTRAL INDUSTRIES, INC., Watertown, Conn. Filed Sept. 6, 1946.

MIDGETOOL

FOR POWER-DRIVEN BENCH MATERIAL WORKING TOOLS—NAMELY, ROTARY SAWS, JIG SAWS, BAND SAWS, JOINTERS, WOODWORKING LATHES, SANDERS, AND SHAPERS.
Claims use since Aug. 1, 1946.

Ser. No. 511,936. ETABLISSEMENTS L. DARD, Paris, France. Filed Nov. 2, 1946.

L·D

FOR BENDING MACHINES FOR TUBES AND BARS.
Claims use since Apr. 15, 1946.

Ser. No. 517,871. SANIT-ALL PRODUCTS CORPORATION, Greenwich, Ohio. Filed Feb. 20, 1947.

Baby All

FOR TONGS FOR HOLDING BOTTLES AND NIPPLES.
Claims use since April 1939.

Ser. No. 518,768. LORD MANUFACTURING COMPANY, Erie, Pa. Filed Mar. 10, 1947.

DYNAFOCAL

FOR ENGINE MOUNTINGS AND PARTS THEREOF.
Claims use since Mar. 18, 1942.

Ser. No. 523,332. STEPHENS-ADAMSON MFG. CO., Aurora, Ill. Filed May 31, 1947.

SACON

FOR SUPPORTING ROLLERS FOR THE BELTS OF BELT CONVEYORS.
Claims use since 1924.

Ser. No. 523,335. STEPHENS-ADAMSON MFG. CO., Aurora, Ill. Filed May 31, 1947.

UNIT

FOR SUPPORTING ROLLERS FOR THE BELTS OF BELT CONVEYORS.
Claims use since July 1, 1911.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 523,196. JAMES ARMSTRONG & COMPANY LIMITED, London, England. Filed May 28, 1947.

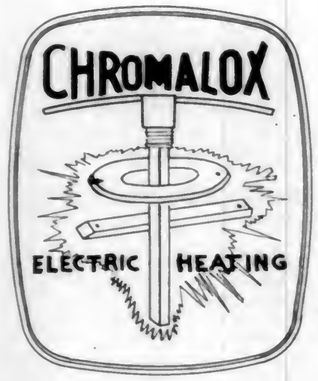


FOR MACHINES FOR WASHING, LAUNDERING, CLEANING, AND PRESSING CLOTHES, FURNISHINGS AND HOUSEHOLD TEXTILE GOODS, AND PARTS OF ALL SUCH MACHINES.
Claims use since Nov. 20, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 525,736. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed July 2, 1947.



Applicant does not claim herein the exclusive right to the words "Electric Heating," or to any representation of the goods, apart from the mark as shown.
FOR TEMPERATURE INDICATORS, TEMPERATURE RECORDERS, THERMOSTATS, THERMO-SWITCHES, AND THERMO-RESPONSIVE ELECTRIC CIRCUIT CONTROLS, AND PARTS THEREOF.
Claims use since 1927.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 524,255. CHAUNCEY C. POTTER, Arlington, Va. Filed June 16, 1947.

PATTINETTE

FOR INSECT EXCLUDING CRIBS AND INFANTS' PLAY PENS.
Claims use since Jan. 15, 1947.

CLASS 33

GLASSWARE

Ser. No. 512,960. BROCKWAY GLASS COMPANY, INC., Brockway, Pa. Filed Nov. 21, 1946.

Sani-Glas

The word "Glas" is disclaimed apart from the mark.
FOR GLASS BOTTLES.
Claims use since Jan. 27, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 510,143. WURZBURG BROTHERS, Memphis, Tenn., assignor to Wurzburg Brothers, Incorporated, Memphis, Tenn., a corporation of Tennessee. Filed Oct. 2, 1946.

WURCO

FOR AUTOGRAPHIC REGISTERS, BLANK LABELS AND TAGS, PARTIALLY PRINTED BUSINESS FORMS, SALESBOOKS, INDENTED PAPER, TOILET SEAT COVERS, CORRUGATED PAPER, BLANK LAUNDRY TAGS, PAPER WIPING CLOTH, SHIPPING TAGS, TOILET TISSUE, PAPER TOWELS, WRAPPING PAPER, MARKING TAGS, FOIL PAPER WRAPPERS, CELLOPHANE WRAPPERS, AND BLANK FORMS INTERLINED WITH CARBON PAPER.
Claims use since Jan. 18, 1946.

Ser. No. 524,379. CONTINENTAL PAPER COMPANY, Ridgefield Park, N. J. Filed June 18, 1947.

CLA-SHEEN

FOR PAPERBOARD.
Claims use since Mar. 24, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 508,230. GERARD MADIEU, Monaco, Principality of Monaco. Filed Aug. 29, 1946.

TRIBOULET

FOR TEXT BOOKS, TEXT BOOKLETS, TEXT LEAFLETS, INSTRUCTION BOOKS, INSTRUCTION BOOKLETS, INSTRUCTION LEAFLETS, CROSS WORD PUZZLE BOOKS, PHOTOGRAPHIC PRINTS, PERIODIC PUBLICATIONS, CHILDREN'S BOOKS, MUSIC SHEETS, MUSIC BOOKS, MUSIC BOOKLETS, CALENDARS, CATALOGUES, PAINTING BOOKS, PAINTING BOOKLETS, PAINTING LEAFLETS, COLOR PRINTS, POSTCARDS, GREETING CARDS, MAGAZINES, AND STORY PUBLICATIONS.
Claims use since Dec. 1, 1937.

Ser. No. 510,865. FRANK RONALD STEMP, doing business as Directophone Company, New York, N. Y. Filed Oct. 14, 1946.

DIRECTOPHONE

FOR PRINTED DIRECTORY IN THE FORM OF A ROLLER MOUNTED TAPE.
Claims use since June 6, 1946.

Ser. No. 523,078. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed May 26, 1947.

CENCO

FOR PERIODICAL PUBLICATIONS; CATALOGUES, AND BULLETINS ISSUED FROM TIME TO TIME.
Claims use since 1909.

Ser. No. 523,843. KENNEDY SINCLAIRE, INC., New York, N. Y. Filed June 9, 1947.

Tax Talks

The word "Tax" is disclaimed apart from the mark.
FOR PERIODICAL PUBLICATION.
Claims use since June 1, 1941.

CLASS 39

CLOTHING

Ser. No. 494,004. AVIATRIX CO., New York, N. Y. Filed Dec. 29, 1945.

Aviatrix

FOR MEN'S, WOMEN'S, AND CHILDREN'S COIFFEUR RETAINING CAPS, PROTECTORS FOR THE HAIR, CAPS USED FOR MAKE-UP, SHOWER AND RAIN, WATERPROOF PROTECTIVE COVERINGS FOR THE HEAD AND BODY; AND WOMEN'S AND CHILDREN'S WATERPROOF APRONS AND PANTS.
Claims use since June 9, 1936.

Ser. No. 495,079. LEVINSOHN BROS. & CO., INC., New York, N. Y. Filed Jan. 19, 1946.

Jayson Hall

Neither the notations "Jayson" nor "Hall" are the names of any persons in applicant's business and such notations are merely fanciful.
FOR CLOTHING—NAMELY, SUITS AND COATS FOR JUNIORS, BOYS, AND YOUNG MEN.
Claims use since Jan. 2, 1946.

Ser. No. 496,723. MODEL CRAFT, New York, N Y. Filed Feb. 16, 1946.

Model Craft

No claim is made to the word "Model."
FOR LITTLE GIRLS' AND TEEN-AGE GIRLS' BLOUSES AND TEEN-AGE GIRLS' PLAYSUITS.
Claims use since May 3, 1938.

Ser. No. 506,725. ART-RICH MANUFACTURING CO., Dalton, Ga. Filed Aug. 2, 1946.



FOR WOMEN'S CHENILLE AND COTTON ROBES.
Claims use since Jan. 1, 1946.

Ser. No. 510,265. LOUIS MEYERS & SON, INC., New York, N. Y. Filed Oct. 4, 1946.

Polava



The right to the exclusive use of the representation of a pair of gloves is disclaimed.
FOR LADIES', MEN'S AND CHILDREN'S GLOVES.
Claims use since Jan. 10, 1944.

Ser. No. 511,715. WASHINGTON MANUFACTURING COMPANY, Nashville, Tenn. Filed Oct. 29, 1946.

BIG FRIEND

FOR WORK SHIRTS, WORK PANTS, OVERALLS, JUMPERS AND DUNGAREES.
Claims use since 1931.

Ser. No. 517,040. GEAN EDWARDS MANUFACTURING COMPANY, Milwaukee, Wis. Filed Feb. 6, 1947.

ALCAN

FOR WATER AND WIND REPELLANT JACKETS, FOR MEN AND BOYS.
Claims use since Jan. 2, 1945.

Ser. No. 517,048. GEAN EDWARDS MANUFACTURING COMPANY, Milwaukee, Wis. Filed Feb. 6, 1947.

FLAMBEAU

FOR WATER AND WIND REPELLANT JACKETS, FOR MEN AND BOYS.
Claims use since Jan. 2, 1945.

Ser. No. 518,255. SAMSON BROTHERS, INC., Rochester, N. Y. Filed Feb. 27, 1947.

samson

AS STRONG AS THE NAME

The phrase "As Strong as the Name" is disclaimed apart from the mark as shown.
FOR APPAREL BELTS.
Claims use since December 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 523,499. LOUIS WEINBERG ASSOCIATES, INC., New York, N. Y. Filed June 3, 1947.

YODEL

FOR SWISS MILLINERY BRAID.
Claims use since Apr. 1, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 495,735. L. W. GUILD COMPANY, INC., Boston, Mass. Filed Jan. 31, 1946.

Cavadene

FOR PIECE GOODS OF WOOL OR OF WOOL AND COTTON MIXTURES.
Claims use since January 1944.

Ser. No. 496,176. VELVERAY CORPORATION, New York, N. Y. Filed Feb. 7, 1946.

VINATONE

FOR THIN VINYL-TYPE PLASTIC FILM, SOLD AS PIECE GOODS, FOR MAKING INTO WINDOW CURTAINS, CRIB SHEETS, BOWL COVERS, GARMENT BAGS, AND THE LIKE.
Claims use since Feb. 1, 1945.

Ser. No. 517,433. SAGE BRUSH ORIGINALS, Cheyenne, Wyo. Filed Feb. 13, 1947.



No claim is made to the word "Originals" apart from the mark.
FOR LUNCHEON CLOTH SETS.
Claims use since Nov. 1, 1946.

Ser. No. 521,106. BALLY'S SHOE FACTORIES LTD., Schoneward, Switzerland. Filed Apr. 22, 1947.



The word "Elastiques" is disclaimed apart from the mark shown.
FOR ELASTIC WEBBING, ESPECIALLY FOR USE IN MAKING GIRDLES.
Claims use since Oct. 21, 1933.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 510,166. F-R MACHINE WORKS, Long Island City, N. Y. Filed Oct. 3, 1946.

F X R

The lining is to indicate the color red.
FOR X-RAY EQUIPMENT AND ACCESSORIES FOR DIAGNOSTIC PURPOSES — NAMELY, CEILING MOUNTED FRACTURE UNITS, TABLE MODEL FLUOROSCOPES, X-RAY FILM ELIMINATOR, AND STEREOSCOPES.
Claims use since Apr. 2, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 519,491. WERT T. REED, Cedarburg, Wis. Filed Mar. 24, 1947.

MAL-TAM

FOR NON-ALCOHOLIC MALTLESS SOFT DRINKS.
Claims use since Feb. 6, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 506,026. THE FLYING TIGERS (AMERICAN VOLUNTEER GROUP-CHINESE AIR FORCE) INCORPORATED, New York, N. Y. Filed July 22, 1946.



FLYING TIGERS

FOR CEREAL BREAKFAST FOOD.
Claims use since July 8, 1945.

Ser. No. 513,851. SPARTAN GRAIN & MILL CO. INC., doing business as Spartan Grain & Mill Co., Spartanburg, S. C. Filed Dec. 6, 1946.

SPARTAN

Applicant is owner of registration No. 117,939.
FOR DAIRY FEED, CATTLE FEED, CHICKEN FEED, HORSE FEED, RABBIT FEED, PIGEON FEED, GOAT FEED, TURKEY FEED, HOG FEED, DOG FEED, AND CALF FEED.
Claims use since 1915.

Ser. No. 521,410. A. M. SECKBACH & COMPANY, Los Angeles, Calif. Filed Apr. 26, 1947.

ALAMO

FOR FRESH FRUITS AND VEGETABLES—NAMELY, CELERY, CAULIFLOWER, BROCCOLI, CABBAGE, CARROTS, TOMATOES, CHICORY, BEETS, TURNIPS, ONIONS, CUCUMBERS, EGG PLANT, LETTUCE, MELONS, AND GRAPES.
Claims use since Jan. 1, 1917.

Ser. No. 523,671. HOWARD E. ROGERS, doing business as Howard E. Rogers Company, Los Angeles, Calif. Filed June 6, 1947.



No claim is made to the words "Rogers for Quality" apart from the mark as shown. The stippling indicates shading.
FOR FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS.
Claims use since May 21, 1947.

Ser. No. 524,272. A. McLEAN & SON, INC., also doing business as A. McLean & Son, Chicago, Ill. Filed June 17, 1947.

MINT-u-et

The word "Mint" is disclaimed apart from the mark.
FOR CANDY BARS.
Claims use since Dec. 23, 1942.

CLASS 47

WINES

Ser. No. 522,493. COMPANIA VINICOLA DEL NORTE DE ESPANA, S. A., Bilbao, Spain. Filed May 16, 1947.



Applicant disclaims the name "Monopole" apart from the mark shown.
FOR WINES.
Claims use since Mar. 29, 1935.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 510,557. D. G. YUENGLING & SON, INCORPORATED, Pottsville, Pa. Filed Oct. 9, 1946. Under 10-year proviso.



FOR BEER, ALE, AND PORTER.
Claims use since 1875.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 511,862. COMPAÑIA COMERCIAL E INDUSTRIAL NICOLÁS MERINO, S. A., Habana, Cuba. Filed Nov. 1, 1946.

BANDANA

FOR BANANA LIQUOR.
Claims use since Aug. 13, 1946.

Ser. No. 525,121. SOCIETE ANONYME LE PIPPERMINT, Revel (Hte-Garonne), France. Filed June 28, 1947. Under 10-year proviso.



FOR ALCOHOLIC LIQUEUR.
Claims use since February 1880.

Ser. No. 525,775. BOHEMIAN DISTRIBUTING COMPANY, doing business as International Products Company, Los Angeles, Calif. Filed July 3, 1947.

GOLDEN OAK

FOR WHISKEY.
Claims use since Dec. 22, 1933.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 524,114. EAGLE-OTTAWA LEATHER COMPANY, Grand Haven, Mich. Filed Feb. 24, 1948. Under section 2f of the act of 1946.

BROADWAY GRAIN

The word "Grain" is disclaimed apart from the mark.
FOR LEATHER.
Claims use since June 1934.

Ser. No. 526,575. PITTSBURGH CONSOLIDATION COAL COMPANY, Pittsburgh, Pa. Filed July 5, 1947.



Applicant claims ownership of registrations Nos. 116,944, 236,267, 296,110, 336,682, 366,575, 397,803, 399,145, 399,146 and 401,696.
FOR COAL.
Claims use since Dec. 1, 1946.

Ser. No. 529,047. J. GREENEBAUM TANNING CO., Chicago, Ill. Filed July 21, 1947.

HYDRAW



Applicant claims ownership of registrations Nos. 392,566, 388,424, 393,381, and 386,658.
FOR LEATHER IN THE PIECE FOR BAGS, SUITCASES, BELTS, AND OTHER LEATHER GOODS USED IN THE LUGGAGE TRADE.
Claims use since Dec. 15, 1939.

Ser. No. 529,050. J. GREENEBAUM TANNING CO., Chicago, Ill. Filed July 21, 1947.

HIPPO-DRI

Applicant claims ownership of registration No. 305,221.
FOR LEATHER.
Claims use since Oct. 20, 1932.

Ser. No. 529,345. JOSEPH BANCROFT & SONS CO., Rockford, Wilmington, Del. Filed July 24, 1947.

BAN-LON

FOR COTTON AND RAYON FIBRES.
Claims use since Apr. 30, 1947.

Ser. No. 532,750. OLD BEN COAL CORPORATION, Chicago, Ill. Filed Aug. 28, 1947. Under section 2f of the act of 1946.

PURITY

Applicant claims ownership of registrations Nos. 191,082 and 248,361.
FOR COAL.
Claims use since Mar. 6, 1909.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 545,124. FUTURE PRODUCTS, INC., Chicago, Ill. Filed Dec. 22, 1947.

SELECTOM

FOR KEY CASES.
Claims use since Oct. 29, 1947.

Ser. No. 548,332. COAST ENVELOPE COMPANY, Los Angeles, Calif. Filed Jan. 30, 1948. Under section 2f of the act of 1946.

Wilshire

Applicant claims ownership of registration No. 379,794.
FOR SMALL FLAT LEATHER GOODS—NAMELY, BILLFOLDS, POCKET SECRETARIES, AND KEY CASES.
Claims use since Apr. 18, 1939.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 484,729. BEACH SOAP COMPANY, Lawrence, Mass. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

PRIME SOHP

FOR WATER SOLUBLE DETERGENT COMPOSITION FOR USE IN THE WASHING OF TEXTILE MATERIALS, SOLD IN BULK TO COMMERCIAL LAUNDRIES.
Claims use since July 16, 1942.

Ser. No. 532,412. SPRINGFIELD WIRE AND TINSEL COMPANY, West Springfield, Mass. Filed Aug. 20, 1947. Under section 2f of the act of 1946.

Scourite

Applicant claims ownership of registration No. 238,062.
FOR KITCHEN-UTENSIL CLEANERS IN WHICH THE CLEANING PART IS MADE OF TINSEL OR WITH METAL TINSEL WOUND AROUND IT.
Claims use since Jan. 4, 1927.

Ser. No. 534,155. LUCIEN LELONG, INC., Chicago, Ill. Filed Sept. 11, 1947.



Applicant claims ownership of registration No. 414,169.
FOR SOAP.
Claims use since March 1942.

Ser. No. 537,264. ANDREW WILSON, INC., Springfield, N. J. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

INSECT-O-SOAP

Applicant claims ownership of registrant No. 370,359.
FOR SAPONIFIED LIQUID SOAP FOR USE WITH INSECTICIDES AS A CARRIER OR SPREADER.
Claims use since June 16, 1938.

Ser. No. 549,240. HENRY L. FRIEDMAN, doing business as Edmur Laboratories, Newark, N. J. Filed Feb. 10, 1948.

Edmur

FOR SILVER POLISH.
Claims use since Jan. 7, 1948.

Ser. No. 550,777. BATHASWEET CORPORATION, New York, N. Y. Filed Feb. 28, 1948.

Bathasweet

Applicant claims ownership of registrations Nos. 169,910, 411,279, and 412,001.
FOR SOAP.
Claims use since Oct. 1, 1947.

Ser. No. 558,003. BOSTON CHEMICAL INDUSTRIES, INC., Boston, Mass. Filed May 28, 1948.

Swifty

★ FLOOR ★
SHAMPOO

The words "Floor Shampoo" are disclaimed apart from the mark as shown.
FOR CLEANING PREPARATIONS FOR REMOVING WAX FROM FLOORS AND FOR WASHING FLOORS, WALLS, WOODWORK, SINKS, BATH TUBS, DISHES, GLASSWARE, AND THE LIKE.
Claims use since Mar. 12, 1948.

Ser. No. 558,365. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948.

POLESTAR

FOR CLEANING COMPOUND CONTAINING CAUSTIC SODA FOR HEAVY DEGREASING AND BOTTLE WASHING.
Claims use since Feb. 9, 1938.

Ser. No. 560,548. CONTI PRODUCTS CORP., Brooklyn, N. Y. Filed July 1, 1948.



Applicant disclaims exclusive use of the word "Verde" apart from the mark as shown. Applicant claims ownership of registration No. 276,709.
FOR SOAP.
Claims use since November 1947.

CLASS 5

ADHESIVES

Ser. No. 543,807. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 9, 1947.

Pliogrip

FOR ADHESIVE CEMENT COMPRISING A BLEND OF RUBBER AND A RESIN.
Claims use since Feb. 5, 1947.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 512,117. DOROTHY GORDON, doing business as Dallwood-Keldon Laboratories, Hollywood, Calif. Filed Oct. 27, 1947.

Précious Amber

No claim is made to the word "Amber" apart from the mark as shown.
FOR DRY SKIN CREAM.
Claims use since Oct. 14, 1936.

Ser. No. 516,636. THE ROBERTS LABORATORIES, Salisbury, Mo. Filed Aug. 22, 1947.

RODANTII

FOR STOMACH AND CONTACT POISON FOR THE CONTROL OR EXTERMINATION OF RATS.
Claims use since Jan. 1, 1947.

Ser. No. 516,942. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed July 5, 1947.

MEAD'S

Applicant claims ownership of registrations Nos. 297,187 and 379,232.
FOR SPECIALLY PREPARED PRECOOKED AND DRIED CEREAL CONTAINING VITAMINS AND MINERALS; A SPECIALLY PREPARED PRECOOKED OATMEAL PRODUCT; POWDERED PROTEIN MILK; POWDERED LACTIC ACID MILK; LIVER OILS OF COD, PERCOMORPH, AND OTHER FISHES; ACTIVATED ERGOSTEROL IN OIL; BREWER'S YEAST TABLETS AND POWDER; POWDERED BEEF BONES PREPARED FOR HUMAN USE; THIAMINE HYDROCHLORIDE TABLETS; RIBOFLAVIN TABLETS; NIACIN TABLETS; A SPECIAL VITAMIN PREPARATION IN TABLET AND POWDER FORM CONSISTING OF BREWER'S YEAST WITH THIAMINE, RIBOFLAVIN AND NIACINAMIDE; ASCORBIC ACID TABLETS; A PHARMACEUTICAL PREPARATION IN POWDER FORM COMPOSED OF NON-FAT MILK SOLIDS, CALCIUM CASEINATE, CARBOHYDRATE, AND FLAVORING SPECIALLY DESIGNED FOR USE IN HIGH PRO-

TEIN LOW FAT DIETS; A PHARMACEUTICAL PREPARATION IN POWDER FORM COMPOSED OF CARBOHYDRATE, FAT, PROTEIN, MINERALS, AND VITAMINS SPECIALLY DESIGNED FOR USE IN DIETS OF RESTRICTED SODIUM CONTENT; AND MIXED VITAMIN CAPSULES DESIGNED TO SUPPLEMENT THE DIET OF EXPECTANT AND NURSING MOTHERS AND TO AUGMENT THE VITAMIN INTAKE OF PERSONS ON RESTRICTED DIETS.
Claims use since Jan. 1, 1926.

Ser. No. 518,039. RIGO MANUFACTURING COMPANY, Nashville, Tenn. Filed Sept. 2, 1947.

air-way

FOR NOSE DROPS.
Claims use since Jan. 13, 1947.

Ser. No. 529,619. A. W. CURTIS, JR., doing business as A. W. Curtis Laboratories, Detroit, Mich. Filed Nov. 10, 1947.

Petal Soft

No claim is made to the word "Soft" apart from the mark as shown.
FOR FACE CREAMS.
Claims use since Sept. 10, 1946.

Ser. No. 535,187. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 20, 1947.

GLYSORBIUM

FOR MINERAL, VITAMIN CONTAINING PREPARATION USEFUL IN THE TREATMENT AND PREVENTION OF METABOLIC DEFICIENCIES.
Claims use since Sept. 5, 1947.

Ser. No. 539,761. SALOMINT LABORATORIES, Cleveland, Ohio. Filed Oct. 31, 1947.

SALOMINT

FOR DENTIFRICES—NAMELY, TOOTH PASTE.
Claims use since Oct. 20, 1947.

Ser. No. 541,222. UNDERTAKERS SUPPLY COMPANY, Chicago, Ill. Filed Nov. 14, 1947.

ODEX

FOR DEODORANT POWDER FOR MORTICIANS' USE.
Claims use since October 1927.

Ser. No. 541,410. GAY HEART BEAUTY AIDS, LTD., Houston, Tex. Filed Nov. 17, 1947.

Gay Heart

FOR GENERAL ASTRINGENT IN LIQUID FORM, OINTMENTS, AND SKIN LOTIONS.
Claims use since Nov. 10, 1947.

Ser. No. 542,937. GUICHARD-PERRACHON & CIE., ETABLISSEMENTS ECONOMIQUES DU CASINO, St. Etienne (Loire), France. Filed Dec. 2, 1947.

UN AMI VIENT

Applicant claims ownership of French registration No. 7,805, dated Aug. 9, 1946.
FOR PERFUMES, FACE-POWDER, MASCARA, ROUGE, BATH SALTS, TOILET POWDERS, HAIR SHAMPOO, COLOGNE, COLD CREAM, DENTIFRICES, TALCUM POWDER, TOILET WATER, SKIN CREAM, LIPSTICK, LOTION FOR THE SKIN, NAIL ENAMEL, HAIR OIL, AND NAIL POLISHES.

Ser. No. 549,516. CROOKES LABORATORIES, INC., New York, N. Y. Filed Feb. 12, 1948.

tropasil

FOR ANTACID-ANTISPASMODIC PREPARATION.
Claims use since Jan. 12, 1948.

Ser. No. 550,620. SEATTLE DRUG CO., INC., Seattle, Wash. Filed Feb. 26, 1948.

Hilskin

FOR MEDICATED SKIN LOTION AND MEDICATED SALVE.
Claims use since May 1, 1947.

Ser. No. 552,969. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Mar. 25, 1948.

ARDOL

FOR PHOTOGRAPHIC CHEMICALS, PARTICULARLY, FOR PHOTOGRAPHIC DEVELOPERS.
Claims use since Feb. 25, 1948.

Ser. No. 553,335. AYERST, MCKENNA & HARRISON LIMITED, Rouses Point and New York, N. Y. Filed Mar. 30, 1948.

CILLENTAZIN

Applicant claims ownership of registration No. 424,717.
FOR TROCHES CONTAINING ANTIBIOTICS AND A SULFA DRUG FOR USE IN THE ORAL CAVITY.
Claims use since Mar. 1, 1948.

Ser. No. 553,889. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Apr. 5, 1948.

SANTOCURE

Applicant claims ownership of registration No. 366,751.
FOR COMPOUND USED AS A VULCANIZING ACCELERATOR IN THE PROCESSING OF RUBBER ARTICLES.
Claims use since Jan. 18, 1938.

Ser. No. 553,890. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Apr. 5, 1948.

SANTALOOM

Applicant claims ownership of registrations Nos. 343,822 and 414,768.
FOR SURFACE ACTIVE COMPOUNDS FOR GENERAL USE IN THE INDUSTRIAL ARTS—NAMELY, AS WETTING, SPREADING, EMULSIFYING, DISPERSING, AND PENETRATING AGENTS FOR THE TREATMENT OF TEXTILES.
Claims use since Nov. 19, 1947.

Ser. No. 553,891. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Apr. 5, 1948.

SANTOMON

Applicant claims ownership of registrations Nos. 349,503 and 370,553.
FOR SURFACE ACTIVE COMPOUNDS FOR GENERAL USE IN THE INDUSTRIAL ARTS—NAMELY, AS WETTING, SPREADING, EMULSIFYING, DISPERSING, AND PENETRATING AGENTS FOR THE TREATMENT OF TEXTILES.
Claims use since Nov. 25, 1947.

Ser. No. 557,672. MEYER CHEMICAL COMPANY, Detroit, Mich. Filed May 24, 1948.

IODO-ARSON

FOR SEDATIVE AND EXPECTORANT USEFUL IN THE TREATMENT OF ASTHMA, CHRONIC BRONCHITIS, AND RELATED CONDITIONS.
Claims use since Jan. 13, 1941.

Ser. No. 558,325. SWAN CHEMICAL COMPANY, Wichita, Kans. Filed June 2, 1948.

SWANOTRET

FOR COMPOSITION CONSISTING OF A MIXTURE OF A MONONUCLEAR OR MONOCYCLIC AROMATIC LIQUID HYDROCARBON COMPOUND AND A POLYNUCLEAR OR POLYCYCLIC CONDENSED RING AROMATIC HYDROCARBON COMPOUND FOR INTRODUCTION IN OIL WELLS, CASINGS, PIPES AND LINES FOR PREVENTING AND REMOVING PARAFFIN DEPOSITS.
Claims use since Mar. 3, 1948.

Ser. No. 558,446. HARRIET HUBBARD AYER, INC., New York, N. Y. Filed June 4, 1948.

Simply Pink

The word "Pink" is disclaimed apart from the mark.
FOR LIPSTICKS.
Claims use since Mar. 24, 1948.

Ser. No. 558,900. LES PARFUMS DE DANA, INC., New York, N. Y. Filed June 10, 1948.



Applicant claims ownership of registration No. 383,832.
FOR PERFUME, TOILET WATERS, LIPSTICKS, FACE POWDERS, TOILET CREAMS, AND ROUGE.
Claims use since December 1936.

CLASS 7

CORDAGE

Ser. No. 545,230. CALIFORNIA COTTON MILLS COMPANY, Oakland, Calif. Filed Dec. 23, 1947.

CALCORD

Applicant claims ownership of registration No. 151,319.
FOR COTTON TWINES.
Claims use since 1936.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 541,006. L. & C. MAYERS CO., INC., New York, N. Y. Filed Nov. 13, 1947.

Lyceum

FOR CIGARETTE LIGHTERS.
Claims use since July 1946.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 535,044. JOSTAM MANUFACTURING CO., Peotone, Ill. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

ALL RUBBER SLIP ON
JOSTAM MFG.CO. PEOTONE ILL.

The words "Peotone, Ill." and "All Rubber Slip On" are disclaimed apart from the mark.

Applicant claims ownership of registration No. 280,789.

FOR SHOTGUN AND RIFLE RECOIL PADS.

Claims use since Jan. 6, 1930.

CLASS 10

FERTILIZERS

Ser. No. 551,260. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

EASTERN STATES
COOPERATIVE

No claim is made to an exclusive right to use "Cooperative" apart from the mark as shown. Applicant claims ownership of registrations Nos. 185,714 and 326,035.

FOR FERTILIZERS.

Claims use since Jan. 2, 1934.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 532,001. DITTO, INCORPORATED, Chicago, Ill. Filed Aug. 21, 1947.

VIOLET

Applicant hereby disclaims any exclusive right in the mark when used as a designation of color. Applicant claims ownership of registrations Nos. 501,359, 501,360, 501,361, 501,362, and 501,363.

FOR CARBON PAPER.

Claims use since July 14, 1947.

Ser. No. 548,769. U. S. TYPEWRITER RIBBON MFG. CO., Philadelphia, Pa. Filed Feb. 4, 1948.

★ AMERICAN ACE ★

FOR CARBON PAPER AND INKED RIBBONS FOR TYPEWRITERS AND OTHER OFFICE MACHINES.

Claims use since Mar. 31, 1941.

Ser. No. 548,770. U. S. TYPEWRITER RIBBON MFG. CO., Philadelphia, Pa. Filed Feb. 4, 1948.

DREAM

FOR CARBON PAPER AND INKED RIBBONS FOR TYPEWRITERS AND OTHER OFFICE MACHINES.

Claims use since May 31, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 515,775. NORTHWESTERN STATES PORTLAND CEMENT COMPANY, Mason City, Iowa. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

NORTHWESTERN STATES PORTLAND CEMENT CO.

Applicant claims ownership of registration No. 70,578.

FOR PORTLAND CEMENT, MASONS' CEMENT, AND HIGH EARLY-STRENGTH CEMENT.

Claims use since Jan. 1, 1908.

Ser. No. 527,538. M. H. DETRICK COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

DETRICK

Applicant claims ownership of registration No. 402,280.

FOR BLOCK INSULATION, INSULATING CEMENT, AND REFRACTORY TILE.

Claims use since Oct. 26, 1916.

Ser. No. 530,414. M. J. MERKIN PAINT CO., INC., New York, N. Y. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

PERFECTSEAL

FOR ASBESTOS ROOFING CEMENTS, AND CAULKING COMPOUNDS, EACH COMPOSED ESSENTIALLY OF ASPHALT COMPOUNDS, ASBESTOS FIBRE, MINERAL FILLERS, AND VOLATILE SOLVENTS.

Claims use since June 1, 1922.

Ser. No. 542,382. THE J. G. WILSON CORPORATION, New York, N. Y. Filed Nov. 25, 1947. Under section 2f of the act of 1946.

Wilson

FOR METAL ROLLING DOORS, WOOD DOORS, AND STEEL AND WOOD OVERHEAD DOORS.

Claims use since Nov. 1, 1923.

Ser. No. 547,957. ALLIED SYNTHETICS CO., San Diego, Calif. Filed Jan. 26, 1948.

Alsynite

FOR TRANSLUCENT PANELS FORMED OF A COMPOSITE MATERIAL CONSISTING OF FIBROUS MATERIAL AND A RESINOUS BINDER AND MERCHANDISED FOR USE AS SKY-LIGHTS, WINDOW-LIGHTS, LIGHT-TRANSMITTING PARTITIONS AND WALLS.

Claims use since June 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 477,443. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Filed Oct. 6, 1947.

THE DOT LINE OF FASTENERS

No exclusive right is claimed in the words "Line" and "Of Fasteners" apart from the present mark shown. Applicant claims ownership of registrations Nos. 276,809, 276,810, and 121,544.

FOR STUD FASTENERS AND COMPONENT ELEMENTS THEREOF, VARIOUSLY APPLIED TO ARTICLES OF MANUFACTURE IN THE INDUSTRIAL ARTS.

Claims use since Nov. 1, 1944.

Ser. No. 528,701. CRANE CO., Chicago, Ill. Filed July 16, 1947.

TEMPLEX

FOR BOLTS, NUTS, STUDS, AND BOLT-STUDS.

Claims use since Aug. 10, 1938.

Ser. No. 534,449. INLAND STEEL COMPANY, Chicago, Ill. Filed Sept. 13, 1947.

HERCULES

FOR STEEL FENCE POSTS, AND STEEL HIGHWAY MARKER POSTS.

Claims use since December 1925 on steel fence posts; and since August 1947 on steel highway marker posts.

Ser. No. 536,513. EVER-TITE COUPLING CO. INC., New York, N. Y. Filed Oct. 2, 1947.

E T C

FOR SEPARABLE HOSE COUPLINGS AND FITTINGS.

Claims use since May 15, 1947.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 524,764. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Jan. 31, 1948. Under section 2f of the act of 1946.

BARTO No. 53

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.

Claims use since 1926.

Ser. No. 524,772. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Jan. 31, 1948. Under section 2f of the act of 1946.

READING TAP STEEL

The words "Tap Steel" are disclaimed apart from the mark.

FOR STEEL IN THE FORM OF WIRE, BARS, BILLETS, AND SHAPES.

Claims use since 1919.

Ser. No. 532,024. HUNTER DOUGLAS CORPORATION, Riverside, Calif., assignor to Hunter Douglas Corporation, New York, N. Y., a corporation of New York. Filed Aug. 21, 1947.

DURATIZED

FOR METAL STOCK IN BOTH COIL AND FLAT FORM FROM WHICH VENETIAN BLIND SLATS ARE MADE.
Claims use since June 23, 1947.

Ser. No. 541,464. ROSS-MEEHAN FOUNDRIES, Chattanooga, Tenn. Filed Nov. 17, 1947.



FOR CASTINGS OF GRAY IRON, OF STEEL AND ALLOY STEEL, AND METAL BARS AND UNFINISHED BUSHINGS.
Claims use since January 1889.

Ser. No. 544,533. BLISS & LAUGHLIN, INC., Harvey, Ill. Filed Dec. 17, 1947.

ULTRA-CUT

The word "Cut" is disclaimed apart from the mark.
FOR COLD FINISHED BAR STEELS.
Claims use since 1929.

Ser. No. 552,360. CONTINENTAL STEEL CORPORATION, Kokomo, Ind. Filed Dec. 22, 1947.

KONIK

Applicant claims ownership of registration No. 304,258.
FOR ALLOY STEEL IN VARIOUS SHAPES INCLUDING BLOOMS, BILLETS, SHEETS, AND WIRES.
Claims use since Dec. 21, 1932.

Ser. No. 553,098. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Mar. 26, 1948.

GA&F

FOR IRON POWDER, PARTICULARLY, CARBONYL IRON POWDER.
Claims use since March 1947.

Ser. No. 553,350. WILBUR B. DRIVER COMPANY, Newark, N. J. Filed Mar. 30, 1948.

COBENIUM

FOR ROUND AND FLAT WIRE, RIBBON AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR SPRING APPLICATIONS.
Claims use since January 1948.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 526,604. THE A. BURDSAL COMPANY, Indianapolis, Ind. Filed July 5, 1947. Under section 2f of the act of 1946.

Burdsal's

Applicant claims ownership of registration No. 227,454.
FOR VARNISH, ALUMINUM PAINT, AUTOMOBILE ENAMEL, BARN PAINT, VARNISH STAIN, HOUSE PAINT, FLOOR ENAMEL, EXTERIOR PAINT PRIMER, GROUND COLOR, PAINT ENAMEL, SEMI-GLOSS WALL PAINT OIL TINTING COLORS, PENETRATING WOOD STAIN, FLAT WALL PAINT, PORCH PAINT, SCREEN ENAMEL, WINDOW SASH BLACK, WOOD FILLER, SEMI-PASTE HOUSE PAINT, STOVE PIPE ENAMEL, TRIM AND TRELLIS PAINT, TRUCK AND TRACTOR ENAMEL, ENAMEL UNDERCOATING, AND WALL PRIMER.
Claims use since Dec. 23, 1936.

Ser. No. 526,707. NATIONAL CHEMICAL & MANUFACTURING COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

SHURE KUTTER

FOR LIQUID PAINT AND VARNISH REMOVER.
Claims use since 1932.

Ser. No. 527,041. SAPOLIN CO. INC., New York, N. Y., now by change of name Sapolin Paints Inc. Filed July 5, 1947.



Applicant claims ownership of registration No. 409,859.
FOR PAINTS SOLD IN PASTE AND LIQUID FORM, PAINT ENAMELS, PASTE WOOD FILLERS, VARNISHES, WOOD STAINS, WAXES AND POLISHES FOR WOOD, VARNISHES FOR LINOLEUM, LIQUID PAINT FOR GIVING A FROSTED EFFECT TO GLASS, LACQUERS, METALLIC PAINTS AND GILDINGS, BRONZING LIQUIDS, LIQUID WALL PRIMERS APPLIED PREPARATORY TO PAINTING WALLS, PIGMENT PRIMER.
Claims use since May 15, 1944.

Ser. No. 528,453. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 12, 1947.

RESOWELD

FOR THERMOPLASTIC RESINOUS SOLUTIONS IN THE NATURE OF PAINT FOR USE IN COATING TANKS.
Claims use since September 1942.

Ser. No. 530,094. THE MEARL CORPORATION, New York, N. Y. Filed July 31, 1947.



FOR NACREOUS PIGMENT.
Claims use since July 15, 1947.

Ser. No. 531,048. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo. Filed Aug. 11, 1947. Under section 2f of the act of 1946.

SIMMONS

Applicant claims ownership of registration No. 310,028.
FOR DRY, READY-MIXED AND PASTE PAINTS; KALCIMINE, ENAMELS (BOTH PAINT AND BAKING TYPE), WOOD STAINS, VARNISHES, LIQUID AND PASTE GRAPHITE PAINTS, DRY COLORS, ASPHALT PAINT, COLORS IN OIL, ALUMINUM PAINT, GOLD PAINT, SILVER PAINT, SLATING-PAINT, BRONZING LIQUID, BRONZE-POWDERS, PREPARED SHELLACS, WOOD-FILLERS, PREPARED WAX FOR POLISHING WOOD AND METAL SURFACES, WHITE LEAD, WHITE ZINC, JAPANS.
Claims use since June 3, 1910.

Ser. No. 534,518. DOZIER & GAY PAINT COMPANY, Jacksonville, Fla. Filed Sept. 15, 1947.

GAYCO

FOR HOUSE PAINT FOR OUTSIDE USE ON WOOD OR METAL, IN LIQUID FORM.
Claims use since February 1921.

Ser. No. 534,944. TRUE-TAGG PAINT COMPANY, doing business as True-Tagg Varnish Company, Memphis, Tenn. Filed Sept. 18, 1947.

Florantrim

FOR VARNISHES.
Claims use since Dec. 10, 1919.

Ser. No. 535,059. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y. Filed Sept. 19, 1947.

Varnish Food

The exclusive use of the word "Varnish" is disclaimed apart from the mark shown.
FOR LIQUID FURNITURE POLISH.
Claims use since 1915.

Ser. No. 535,901. THE THRESHER PAINT & VARNISH COMPANY, Dayton, Ohio. Filed Sept. 26, 1947.



FOR LIQUID AND PASTE PAINTS, LIQUID PAINT ENAMELS, LIQUID UNDERCOATS, AND LIQUID VARNISH.
Claims use since September 1, 1937.

Ser. No. 535,903. THE THRESHER PAINT & VARNISH COMPANY, Dayton, Ohio. Filed Sept. 26, 1947.



FOR LIQUID AND PASTE PAINTS, LIQUID PAINT ENAMELS, LIQUID UNDERCOATS, AND LIQUID VARNISH.
Claims use since Sept. 1, 1937.

Ser. No. 538,363. CHICAGO PAINTS, INC., Chicago, Ill. Filed Oct. 20, 1947.

DREADNOUGHT

FOR VARNISHES.
Claims use since 1917.

Ser. No. 538,722. CHICAGO PAINTS, INC., Chicago, Ill. Filed Oct. 23, 1947.

UPON HONOR

FOR READY-MIXED HOUSE, BARN AND FLOOR PAINTS SOLD IN LIQUID FORM.
Claims use since 1912.

Ser. No. 538,788. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa. Filed Oct. 23, 1947.

HURRY-UP

FOR PAINT ENAMELS, UNDERCOATERS IN THE NATURE OF PAINT ENAMELS, AND THINNERS FOR PAINT ENAMELS.
Claims use since July 9, 1931.

Ser. No. 539,402. EL ROY NAVAL STORES CO., INC., Vidalia, Ga. Filed Oct. 29, 1947. Under section 2f of the act of 1946.

ELROY

Applicant claims ownership of registration No. 413,745.
FOR TURPENTINE.
Claims use since Mar. 26, 1938.

Ser. No. 540,676. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y. Filed Nov. 10, 1947.

LAGOTEX

Applicant claims ownership of registration No. 74,984.
FOR READY-MIXED PAINT.
Claims use since Mar. 10, 1933.

Ser. No. 540,677. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y. Filed Nov. 10, 1947.

INTERCLUB

FOR ANTIFOULING BOTTOM PAINT FOR WATER-BORNE CRAFT.
Claims use since Nov. 14, 1939.

Ser. No. 543,601. M. GRUMBACHER, INC., New York, N. Y. Filed Dec. 6, 1947.

"THALO"

FOR ARTISTS' PAINTS, I. E., OIL AND WATER COLORS.
Claims use since July 31, 1939, on oil colors; and since Nov. 15, 1940, on water colors.

Ser. No. 545,775. RINSHED-MASON COMPANY, Detroit, Mich. Filed Dec. 30, 1947.

VELCHRUM

FOR PAINT PRODUCT PIGMENTED WITH ALUMINUM.
Claims use since April 1932.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 542,076. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed Nov. 24, 1947. Under section 2f of the act of 1946.

KOOL

Applicant claims ownership of registration No. 300,817.
FOR CIGARETTES.
Claims use since Nov. 20, 1931.

Ser. No. 542,077. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed Nov. 24, 1947. Under section 2f of the act of 1946.

Filtip

Applicant claims ownership of registration No. 344,348.
FOR CIGARS, CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF.
Claims use since Jan. 7, 1936.

Ser. No. 552,314. R. H. MACY & CO., INC., New York, N. Y. Filed Dec. 2, 1947.

LAKEWOOD

Applicant claims ownership of registration No. 228,822.
FOR SMOKING TOBACCO.
Claims use since 1902.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 537,446. GERTZ & COOK, INC., Los Angeles, Calif. Filed Oct. 10, 1947.

"Linoleum Louie"



"I'll Floor You"

No claim is made to the word "Linoleum" or to the words "I'll Floor You" apart from the mark as shown.
FOR INLAID LINOLEUM IN TILE FORM AND ASPHALT TILE FOR FLOOR COVERINGS.
Claims use since July 1947.

Ser. No. 543,823. MANNINGTON MILLS, INC., Salem, N. J. Filed Dec. 9, 1947.

PINE-TEX

Applicant claims ownership of registrations Nos. 322,231, 322,232, and 382,311.
FOR FELT BASE FLOOR COVERINGS.
Claims use since Nov. 17, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 485,324. THE GEORGE W. BORG CORPORATION, Chicago, Ill., and Delavan, Wis. Filed June 12, 1948. Under section 2f of the act of 1946 as to "Gibbs."



The words "Precision Potentiometers" are disclaimed apart from the mark.
FOR POTENTIOMETERS FOR USE IN PRODUCING VARIABLE ELECTRICAL POTENTIALS.
Claims use since May 25, 1945.

Ser. No. 521,342. LINE MATERIAL COMPANY, Milwaukee, Wis. Filed July 5, 1947.

CONTROLITE

FOR ELECTRIC LUMINAIRES.
Claims use since Oct. 30, 1940.

Ser. No. 529,069. LOSEE PRODUCTS COMPANY, Hebron, Ill. Filed July 21, 1947.

COMFY-AIRE

No claim is made to the exclusive right to use the term "Aire" apart from the mark. Applicant claims ownership of registration No. 340,241.
FOR ELECTRIC FANS.
Claims use since 1932.

Ser. No. 532,707. KILLARK ELECTRIC MANUFACTURING COMPANY, St. Louis, Mo. Filed Aug. 28, 1947. Under section 2f of the act of 1946 with respect to "Killark."



No claim is made to the words "St. Louis" apart from the mark.
FOR ELECTRIC FUSES.
Claims use since 1913.

Ser. No. 533,081. TELEX INC., Minneapolis, Minn. Filed Sept. 2, 1947.

TELEWIRE

FOR ELECTRICAL WIRE SOUND RECORDING AND REPRODUCING APPARATUS.
Claims use since Aug. 10, 1947.

Ser. No. 534,501. AMERICAN ELECTRICAL HEATER COMPANY, Detroit, Mich. Filed Sept. 15, 1947.

American Beauty

Applicant claims ownership of registration No. 137,088.
FOR ELECTRICAL GOODS—NAMELY, ELECTRIC FLAT IRONS, SOLDERING IRONS, TEMPERATURE

REGULATING STANDS FOR FLAT IRONS, BRANDING IRONS, MELTING CUPS AND ELECTRICAL CONDUCTOR CORDS.
Claims use since Jan. 1, 1911.

Ser. No. 534,651. MOTOR EXPORT MANUFACTURING CO., Chicago, Ill. Filed Sept. 16, 1947.

Fleet Line

FOR ELECTRIC MOTORS.
Claims use since Aug. 25, 1947.

Ser. No. 534,833. THE SWARTZBAUGH MANUFACTURING COMPANY, Toledo, Ohio. Filed Sept. 17, 1947.



Applicant claims ownership of registration No. 439,399.
FOR MOBILE ELECTRIC FOOD CONVEYING AND SERVING UTILITY TRUCKS.
Claims use since August 1947.

Ser. No. 538,232. BIRTMAN ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 18, 1947.

MAGNETIC

The trade-mark comprises the word "Magnetic." Applicant claims ownership of registrations Nos. 158,388 and 418,322.
FOR ELECTRIC DOMESTIC VACUUM CLEANERS, ELECTRIC SPACE HEATERS AND ELECTRIC IRONS.
Claims use since Jan. 19, 1922, on electric vacuum cleaners; and since October 1931 on electric space heaters and electric irons.

Ser. No. 538,385. THE EMERSON ELECTRIC MANUFACTURING COMPANY, St. Louis, Mo. Filed Oct. 20, 1947. Under section 2f of the act of 1946.

EMERSON ELECTRIC

No claim is made to the word "Electric" apart from the mark. Applicant claims ownership of registrations Nos. 111,931 and 379,516.
FOR ELECTRIC MOTORS, ELECTRIC DESK FANS, ELECTRIC CEILING FANS, ELECTRIC GENERATORS, ELECTRIC MOTOR GENERATORS, ELECTRIC WELDERS, ELECTRIC FLAT IRONS, ELECTRIC ARC WELDERS, ELECTRIC AIR HEATERS, ELECTRIC AIR CIRCULATORS, ELECTRIC EXHAUST FANS, AND ELECTRIC MOTOR CONTROLLERS FOR THE STARTING, STOPPING, AND REVERSING OF ELECTRIC MOTORS.
Claims use since February 1936.

Ser. No. 538,386. THE EMERSON ELECTRIC MANUFACTURING COMPANY, St. Louis, Mo. Filed Oct. 20, 1947. Under section 2f of the act of 1946.

EMERSON

Applicant claims ownership of registrations Nos. 111,931 and 379,516.
FOR ELECTRIC MOTORS, ELECTRIC DESK FANS, ELECTRIC CEILING FANS, ELECTRIC GENERATORS, ELECTRIC MOTOR GENERATORS, ELECTRIC WELDERS, ELECTRIC FLAT IRONS, ELECTRIC ARC WELDERS, ELECTRIC AIR HEATERS, ELECTRIC AIR CIRCULATORS, ELECTRIC EXHAUST FANS, AND ELECTRIC MOTOR CONTROLLERS FOR THE STARTING, STOPPING, AND REVERSING OF ELECTRIC MOTORS.
Claims use since 1890.

Ser. No. 540,060. FARGO MFG. COMPANY, INC., Poughkeepsie, N. Y. Filed Nov. 4, 1947.

FARGO

Applicant claims ownership of registration No. 255,003.
FOR SOLDERLESS COLD-WELD CONNECTORS FOR ELECTRIC WIRES AND CABLES, CURRENT-GROUNDING DEVICES, ELECTRIC WIRE AND CABLE CLAMPS AND CONNECTORS; RAILWAY, SIGNAL, AND ELECTRICAL APPLIANCES CONSISTING OF ELECTRIC-RAILWAY TRACK BONDS AND ELECTRICAL WIRE AND CABLE CLAMPS (ALL OF THE ABOVE GOODS RELATING TO MECHANICAL CLAMPING DEVICES FOR HOLDING OR JOINING ONE OR MORE WIRES OR OTHER ELECTRICAL CONDUCTORS TOGETHER).
Claims use since July 8, 1914.

Ser. No. 540,256. COLUMBIA SALES CORPORATION, Pittsburgh, Pa. Filed Nov. 6, 1947.

union

FOR STORAGE BATTERIES.
Claims use since Aug. 14, 1947.

Ser. No. 541,115. ELECTRONICS, INCORPORATED, Dubuque, Iowa. Filed Nov. 14, 1947.

LAMILEK

FOR RADIO AND BATTERY SOCKETS, ELECTRICAL SOCKETS, PLUGS, TERMINAL STRIPS AND RADIO TERMINAL BOARDS AND MOUNTING BRACKETS.
Claims use since July 1, 1947.

Ser. No. 541,155. MIMAR PRODUCTS, INC., Brooklyn, N. Y. Filed Nov. 14, 1947.

MIMAR

Applicant claims ownership of registration No. 429,392.
FOR ELECTRIC ROOM HEATERS WITH OR WITHOUT ENFORCED AIR CIRCULATION MEANS, PORTABLE ELECTRIC FAN AND HEATER COMBINATIONS, AND ELECTRIC FANS.
Claims use since Nov. 1, 1945.

Ser. No. 541,156. MIMAR PRODUCTS, INC., Brooklyn, N. Y. Filed Nov. 14, 1947.

mp

Applicant claims ownership of registration No. 429,393.
FOR ELECTRIC ROOM HEATERS WITH OR WITHOUT ENFORCED AIR CIRCULATION MEANS, PORTABLE ELECTRIC FAN AND HEATER COMBINATIONS, AND ELECTRIC FANS.
Claims use since Nov. 1, 1945.

Ser. No. 541,688. LIGHTCO INC., Los Angeles, Calif. Filed Nov. 19, 1947.



The words "Mix" and "All-purpose Mixer" and the representation of the goods are disclaimed apart from the mark.
FOR ELECTRIC FOOD AND/OR BEVERAGE MIXERS.
Claims use since Sept. 8, 1947.

Ser. No. 541,918. CONTINENTAL CARBON, INC., Cleveland, Ohio. Filed Nov. 21, 1947.

"NOBLEWATT"

Applicant claims ownership of registration No. 412,552.
FOR ELECTRICAL RESISTORS.
Claims use since Nov. 4, 1947.

Ser. No. 542,914. THE ELWELL-PARKER ELECTRIC COMPANY, Cleveland, Ohio. Filed Dec. 2, 1947.

E.P.E.
ROLOTAC
CONTROLLER

No claim is made to the word "Controller" apart from the mark as shown.
FOR TRAVEL CONTROLLERS OF SPEED AND DIRECTION OF ELECTRIC MOTORS FOR USE IN ELECTRIC POWER INDUSTRIAL TRUCKS AND OTHER ELECTRIC POWER VEHICLES.
Claims use since June 1947.

Ser. No. 543,541. THE STAR PORCELAIN COMPANY, Trenton, N. J. Filed Dec. 5, 1947. Under section 2f of the act of 1946.

NU-BLAC

Applicant claims ownership of registration No. 207,104.
FOR ELECTRICAL INSULATING COMPOUND IN POWDER FORM.
Claims use since Sept. 12, 1923.

Ser. No. 543,548. VIDEO TELEVISION, INC., New York, N. Y. Filed Dec. 5, 1947.

ORACO

FOR TELEVISION ANTENNA AND ANTENNA MOUNTS, CLAMPS, AND STANDOFFS.
Claims use since Nov. 5, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 490,638. CHEERIO TOYS & GAMES INCORPORATED, Lockport, N. Y., assignee of Cheerio Toys & Games Limited. Filed Dec. 5, 1947.

CHEERIO

FOR TOYS AND GAMES—NAMELY, TOPS OF THE BANDALORE TYPE (YO-YO), PADDLE BALLS, TOY AIRPLANES, TOY WAR TANKS, TOY TRUCKS, TOY AUTOMOBILES, TOY FILM VIEWERS, PUZZLES OF THE JIG-SAW TYPE, CHINESE PUZZLES, TOY WHISTLES, TOY KAZOOS, TOY SLIDE WHISTLES, TOY TRUMPETS, TOY BUGLES; TOY FURNITURE—NAMELY, TOY BEDS, TOY DRESSERS, TOY CHAIRS, TOY TABLES, TOY CHESTERFIELDS, TOY WASH BASINS, TOY TUBS, TOY KITCHEN CABINETS; TOY COMB AND BRUSH SETS, TOY SHIPS, TOY GUNS, TOY ANIMALS, TOY SOLDIERS, TOY DISHES, AND TOY RATTLES.
Claims use since Jan. 1, 1932.

Ser. No. 529,113. TRIO MANUFACTURING COMPANY, Elyria, Ohio. Filed July 21, 1947.

Spin-Jac

The word "Spin" is disclaimed apart from the mark as shown.
FOR SPINNING TOYS WHICH MAY BE SPUN IN TOP-LIKE MANNER AND ARE ADAPTED TO BOUNCE.
Claims use since Jan. 6, 1947.

Ser. No. 530,031. SPARKLINO PRODUCTS CO., Mexico, Maine. Filed July 30, 1947.



No claim is made to the word "Genuine" and the representation of the fish, apart from the mark as shown.
FOR ARTIFICIAL FISHING LURES.
Claims use since Jan. 23, 1947.

Ser. No. 540,159. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Nov. 5, 1947.

ARISTOCRAT

FOR LEATHER SHAKE BOTTLES.
Claims use since Apr. 21, 1947.

Ser. No. 540,262. D. M. DESIDERIO NOVELTY MANUFACTURING SHOP, McKees Rocks, Pa. Filed Nov. 6, 1947.

DOM/DOM

FOR BALANCING TOY IN THE NATURE OF AN EQUILIBRIST STANDING ON A PEDASTAL AND CARRYING A BALANCING BAR.
Claims use since June 10, 1947.

Ser. No. 546,629. FRED VARNEY AND CO., St. Louis, Mo. Filed Jan. 9, 1948.

VARCO

FOR SOFT BALLS, SOFT BALL BATS, AND POKER CHIPS.
Claims use since July 15, 1937.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 531,733. SNIVELY VENDING AND SALES COMPANY, INC., Winter Haven, Fla. Filed Aug. 18, 1947.

DISPENS-O-LATOR

FOR ELECTRICALLY OPERATED, COIN-CONTROLLED, JUICE VENDING MACHINE.
Claims use since Apr. 17, 1947.

CLASS 25

LOCKS AND SAFES

Ser. No. 532,745. THE MERRIAM MANUFACTURING COMPANY, Durham, Conn. Filed Aug. 28, 1947. Under section 2f of the act of 1946.

Merriam

FOR BOXES FORMED OF BASE METAL FOR HOLDING BONDS, CASH, STAMPS, JEWELRY, DOCUMENTS, AND OTHER DESIRED ITEMS.
Claims use since Aug. 3, 1940.

Ser. No. 537,605. ANGEL MARTIN MOLINA, Mexico City, Mexico. Filed Oct. 11, 1947.



Applicant claims ownership of Mexican registration No. 40,210 dated Nov. 11, 1939.
FOR CHESTLOCKS, PADLOCKS, LOCKBOLTS, AND LOCKS.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 526,649. SELAS CORPORATION OF AMERICA, Philadelphia, Pa. Filed July 5, 1947.

Flo-Scope

The word "Flo" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 438,372.
FOR METER FOR MEASURING AND INDICATING THE FLOW OF FLUIDS.
Claims use since July 2, 1936.

Ser. No. 527,670. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed July 5, 1947.



Applicant does not claim the exclusive right to the words "Electric Heating" or to any representation of the goods apart from the mark. Applicant claims ownership of registration No. 332,587.
FOR TEMPERATURE INDICATORS, TEMPERATURE RECORDERS, THERMOSTATS, THERMO-SWITCHES, AND THERMO-RESPONSIVE ELECTRIC CIRCUIT CONTROLS.
Claims use since 1927.

Ser. No. 527,816. MINNEAPOLIS HONEYWELL REGULATOR COMPANY, Minneapolis, Minn. Filed July 5, 1947.

GRAD-U-RELAY

The word "Relay" is disclaimed apart from the mark.
FOR PRESSURE RESPONSIVE CONTROLS FOR REGULATING HEATING OR AIR CONDITIONING SYSTEMS.
Claims use since September 1938.

Ser. No. 538,329. WESIX ELECTRIC HEATER CO., San Francisco, Calif. Filed Oct. 18, 1947. Under section 2f of the act of 1946.

ECONOMIZER

Applicant claims ownership of registration No. 379,487.
FOR ELECTRIC THERMOSTATS FOR ELECTRIC HEATERS.
Claims use since Oct. 1, 1931.

Ser. No. 540,562. OPTIQUE & PRECISION DE LEVALLOIS, Levallois-Perret, France. Filed Nov. 8, 1947.

OPLEX

Applicant claims ownership of French registration No. 372,077.
FOR PHOTOGRAPHIC CAMERA.

Ser. No. 540,563. OPTIQUE & PRECISION DE LEVALLOIS, Levallois-Perret, France. Filed Nov. 8, 1947.

OPLAR

Applicant claims ownership of French registration No. 372,079.
FOR CAMERA LENS ATTACHMENT.

Ser. No. 540,564. OPTIQUE & PRECISION DE LEVALLOIS, Levallois-Perret, France. Filed Nov. 8, 1947.

AUTOPLEX

Applicant claims ownership of French registration No. 372,076.
FOR ENLARGING PHOTOGRAPHIC APPARATUS.

Ser. No. 542,188. THE WEBB CORPORATION, Webb City, Mo. Filed Nov. 24, 1947. Under section 2f of the act of 1946.

WEBB

FOR WEIGHING SCALES.
Claims use since 1881.

Ser. No. 543,430. FISH-SCHURMAN CORPORATION, New York, N. Y. Filed Dec. 5, 1947.

ZIRCONARC

FOR LIGHT RADIATION PROJECTORS.
Claims use since July 10, 1947.

Ser. No. 543,983. OHMER CORPORATION, Dayton, Ohio. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

Ohmer

Applicant claims ownership of registrations Nos. 50,823, 171,651, 214,490, 214,510, 221,940, 239,342 and 337,637.
FOR TAXIMETERS, FARE REGISTERS AND CASH REGISTERS.
Claims use since 1902.

Ser. No. 549,407. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Feb. 11, 1948.

PHENIX

FOR GRADUATES.
Claims use since 1928.

Ser. No. 549,487. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Feb. 12, 1948.

PHANTONE

FOR OPHTHALMIC FRAMES AND MOUNTINGS.
Claims use since Dec. 10, 1947.

Ser. No. 549,859. ZYLITE OPTICAL CO. INC., New York, N. Y. Filed Feb. 16, 1948.

PLAYBOY

FOR EYEGLASS FRAMES.
Claims use since Feb. 5, 1948.

Ser. No. 550,090. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 18, 1948.

Maid of Honor

FOR HOUSEHOLD SCALES.
Claims use since Jan. 15, 1946.

Ser. No. 550,647. ANDERSON-FLUKE ENGINEERING COMPANY, Springdale, Stamford, Conn. Filed Feb. 27, 1948.

VAW

FOR ELECTRONIC MEASURING INSTRUMENTS, SPECIFICALLY WATTMETERS WITH ASSOCIATED VOLTAGE AND CURRENT MEASURING, AMPLIFYING, AND INDICATING CIRCUITS.
Claims use since Dec. 15, 1947.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 541,700. THE PRECIOUS METALS SPECIALTIES COMPANY, INC., Newark, N. J. Filed Nov. 19, 1947.

PREMESCO
"GEM"

The word "Gem" is disclaimed apart from the mark shown.
FOR JEWELRY SETTINGS AND FINDINGS.
Claims use since Mar. 31, 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 510,735. STAR BEDDING COMPANY, St. Louis, Mo. Filed Aug. 1, 1947.

star ★

FOR FEATHER PILLOWS AND MATTRESSES.
Claims use since November 1884 on feather pillows; and since Nov. 1, 1908, on mattresses.

Ser. No. 533,215. TY-MASTER CORPORATION, New York, N. Y. Filed Sept. 3, 1947.

Ty-Master

The word "Ty" is disclaimed apart from the mark as shown:
FOR TIE RACKS.
Claims use since December 1939.

Ser. No. 533,453. THE LAND-O-NOD COMPANY, Minneapolis, Minn. Filed July 16, 1947.

LAND-O-BEAUTY

Applicant disclaims the portion "Beauty" of the mark apart from the mark as shown.
FOR MATTRESSES.
Claims use since Aug. 1, 1942.

Ser. No. 534,813. PULLMAN COUCH COMPANY, Chicago, Ill. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

PULLMAN

Applicant claims ownership of registration No. 372,686.
FOR UPHOLSTERED FURNITURE—VIZ., SOFAS, COUCHES, CHAISE LOUNGES, DAVENPORTS, DIVANS, LOVE SEATS, LOUNGES, SETTEES, SOFA BEDS, DUAL PURPOSE SLEEPING EQUIPMENT, DAY-BEDS, CHAIRS, ROCKERS AND OTTOMANS, AND MATTRESSES AND PADS.
Claims use since June 1906.

Ser. No. 538,313. THE L. B. PRICE MERCANTILE COMPANY, St. Louis, Mo. Filed Oct. 18, 1947.

SOUTHERN BEAUTY

The word "Beauty" is disclaimed apart from the mark.
FOR PILLOWS.
Claims use since Aug. 16, 1943.

Ser. No. 539,033. THE DELPHOS BENDING COMPANY, Delphos, Ohio. Filed Oct. 25, 1947. Under section 2f of the act of 1946.

DELPHOS

FOR WOOD FURNITURE—NAMELY, TABLES, CHAIRS, SETTEES, BABY ROCKERS, AND HIGH CHAIRS.
Claims use since May 10, 1912.

Ser. No. 549,282. SIMMONS COMPANY, New York, N. Y. Filed Feb. 10, 1948.

"Luxyowry"

Applicant claims ownership of registration No. 81,005
FOR MATTRESSES AND BOX SPRINGS.
Claims use since Jan. 10, 1907.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 508,834. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, assignee of Carlisle Tire & Rubber Company. Filed Jan. 5, 1948. Under section 2f of the act of 1946.

CARLISLE

Applicant claims ownership of registration No. 324,877.
FOR OUTER CASINGS OF PNEUMATIC TIRES AND TUBES FOR AUTOMOTIVE VEHICLES AND BICYCLES.
Claims use since Dec. 12, 1934.

Ser. No. 550,348. RANDALL PRODUCTS CO., Berkeley, Mich. Filed Feb. 21, 1948.

SUR-SPARE

The term "Spare" is disclaimed apart from the mark.
FOR RUBBER HOSE TO BE USED FOR AN AIR EXTENSION TO THE SPARE TIRES OF AUTOMOBILES.
Claims use since Feb. 2, 1948.

Ser. No. 550,377. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Feb. 24, 1948.

ATLAS

Applicant claims ownership of registration No. 331,672.
FOR VULCANIZING PATCH UNITS FOR REPAIRING RUBBER TUBES CONSISTING OF A PARTIALLY CURED RUBBER PATCH AND A METALLIC PAN OR TUBE CONTAINING A FUEL ELEMENT TO FURNISH HEAT TO VULCANIZE THE PATCH TO THE TUBE.
Claims use since Jan. 30, 1948.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 528,649. OSCAR SCHMIDT-INTERNATIONAL, INCORPORATED, Jersey City, N. J. Filed July 15, 1947. Under section 2f of the act of 1946.

TREMOLOA

FOR MUSICAL INSTRUMENT OF THE ZITHER TYPE PLAYED WITH A STEEL ROLLER AND A FINGER PICK.
Claims use since 1931.

CLASS 37

PAPER AND STATIONERY

Ser. No. 519,677. MONTAG BROTHERS, INC., Atlanta, Ga. Filed Nov. 29, 1947.



The words "Montag's" and "Rag Content" are disclaimed in this registration, apart from the mark as shown.
FOR WRITING PAPER.
Claims use since 1927.

Ser. No. 527,454. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich. Filed July 5, 1947. Under section 2f of the act of 1946.

Burroughs

Applicant claims ownership of registrations Nos 66,134, 333,110, 335,153, 335,607, 343,430, and 343,467.
FOR STATIONERY AND SUPPLIES—NAMELY, ROLL AND FLAT SHEET PAPER, JOURNAL FORMS, STATEMENT FORMS, LEDGER FORMS, AND BUSINESS FORMS FOR USE IN BUSINESS MACHINES.
Claims use since 1905.

Ser. No. 528,140. RHINELANDER PAPER COMPANY, Rhinelander, Wis. Filed July 8, 1947.

AQUA-TUF

The word "Tuf" is disclaimed apart from the mark as shown.
FOR GREASEPROOF PAPER.
Claims use since May 3, 1947.

Ser. No. 533,128. BOORUM & PEASE COMPANY, Brooklyn, N. Y. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

STA-OPEN

FOR SPRING-BACK MEMORANDUM SHEET HOLDERS.
Claims use since April 1931.

Ser. No. 536,529. HORDER'S, INCORPORATED, Chicago, Ill. Filed Oct. 2, 1947. Under section 2f of the act of 1946.

COLE

LEGAL RECORD

No claim is made herein to the words "Legal Record" except in the association shown.
FOR LEGAL BLANK FORMS.
Claims use since Feb. 11, 1944.

Ser. No. 537,897. A. KIMBALL COMPANY, New York, N. Y. Filed Oct. 15, 1947. Under section 2f of the act of 1946.

KIMBALL

Applicant claims ownership of registrations Nos. 68,716 and 68,986.
FOR BLANK, PARTIALLY PRINTED, OR PRINTED PIN TICKETS, TAGS, LABELS, AND METAL REENFORCED PAPER STRIPS OF SHORT LENGTH USED AS TICKETS, TAGS, OR LABELS.
Claims use since 1905.

Ser. No. 543,570. CROWN ZELLERBACH CORPORATION, doing business as The National Paper Products Sales Company, San Francisco, Calif. Filed Dec. 6, 1947.

Blu-Stripe

FOR INTERFOLDED TOILET TISSUE.
Claims use since Aug. 24, 1932.

Ser. No. 552,337. BROOKS BANK NOTE COMPANY, Springfield, Mass. Filed Dec. 13, 1947. Under section 2f of the act of 1946.

BRITECOTE

Applicant claims ownership of registration No. 408,899.
FOR WRITING AND PRINTING PAPER.
Claims use since July 1933.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 478,945. BROWN & BIGELOW, St. Paul, Minn. Filed July 5, 1947.

Hot-Cha

FOR PRINTED ART MATERIALS IN THE FORM OF ART PRINTS, PICTURES, CUT-OUT SILHOUETTES, AND CALENDARS SOLD AS SUCH.
Claims use since June 1933.

Ser. No. 512,871. TERRYTOONS, INC., New Rochelle, N. Y. Filed Dec. 24, 1947.

HECKLE AND JECKLE
THE TALKING MAGPIES

The stippling on the drawing is for shading only.
FOR COMIC STRIPS IN COMIC MAGAZINES.
Claims use since July 22, 1946.

Ser. No. 532,320. METAL SPECIALTIES MANUFACTURING CO., Chicago, Ill. Filed Aug. 25, 1947.

Champion

FOR PRINTED TAPE AND LABELS.
Claims use since July 1, 1926.

Ser. No. 535,178. PARADE PUBLICATION, INC., New York, N. Y. Filed Sept. 20, 1947.

parade

The drawing is lined for the color red. Applicant claims ownership of registrations Nos. 285,284, 290,796, 323,070, 393,911, and 400,739.
FOR SUNDAY PICTURE MAGAZINE.
Claims use since Mar. 30, 1947.

Ser. No. 536,437. THE PENTON PUBLISHING COMPANY, Cleveland, Ohio. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

PENTON'S FOUNDRY LIST

FOR PUBLICATION PUBLISHED YEARLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS A DIRECTORY OF GRAY IRON, MALLEABLE IRON, STEEL, BRASS, BRONZE, ALUMINUM, AND MAGNESIUM FOUNDRIES IN THE UNITED STATES AND CANADA, INCLUDING ALSO THE PATTERN SHOPS, MACHINE SHOPS, AND LABORATORIES OPERATED AS DEPARTMENTS OF THESE PLANTS.
Claims use since Mar. 1, 1906.

Ser. No. 536,438. THE PENTON PUBLISHING COMPANY, Cleveland, Ohio. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

THE FOUNDRY

Applicant claims ownership of registration No. 138,085.
FOR PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO OPERATIONS AND PROCEDURES WHEREIN METALS ARE CAST.
Claims use since Oct. 1, 1913.

Ser. No. 536,439. THE PENTON PUBLISHING COMPANY, Cleveland, Ohio. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

STEEL

Applicant claims ownership of registrations Nos. 277,897 and 389,958.
FOR PUBLICATION PUBLISHED WEEKLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO METALWORKING AND METALPRODUCING.
Claims use since Oct. 1, 1930.

Ser. No. 536,440. THE PENTON PUBLISHING COMPANY, Cleveland, Ohio. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

MACHINE DESIGN

Applicant claims ownership of registration No. 261,063.
FOR PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO MACHINES AND PARTS THEREOF, AND DESIGN OF SAME.
Claims use since Apr. 1, 1929.

Ser. No. 536,441. THE PENTON PUBLISHING COMPANY, Cleveland, Ohio. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

The Great Lakes
RED BOOK

The word "Book" is disclaimed apart from the mark shown. Applicant claims ownership of registration No. 266,589.
FOR ANNUAL MARINE DIRECTORY.
Claims use since Apr. 1, 1904.

Ser. No. 537,351. THE PHILADELPHIA INDEPENDENT, Philadelphia, Pa. Filed Oct. 9, 1947. Under section 2f of the act of 1946.

THE PHILADELPHIA
INDEPENDENT
The World's Greatest Negro Tabloid

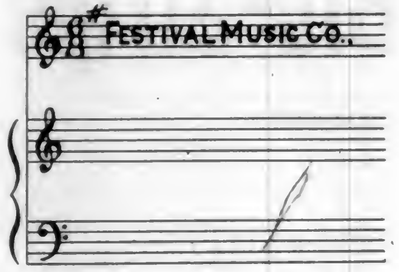
No claim is made to the words "The World's Greatest Negro Tabloid" except in the connection shown.
FOR WEEKLY NEWSPAPER.
Claims use since May 1931.

Ser. No. 539,433. PORTE PUBLISHING COMPANY, Salt Lake City, Utah. Filed Oct. 29, 1947. Under section 2f of the act of 1946.

FRANKLIN
PRINTING
CATALOG

The likeness of the individual is that of Benjamin Franklin, deceased, no claim being made to the words "Printing" and "Catalog" except as shown, the lining being for shading only.
FOR MONTHLY PUBLICATION.
Claims use since Jan. 1, 1924.

Ser. No. 540,905. LESTER L. SARGENT, doing business as Festival Music Co., by Collier T. Sargent, administratrix of said Lester L. Sargent, deceased, Washington, D. C. Filed Nov. 12, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of registration No. 415,474.
FOR SHEET MUSIC.
Claims use since April 1936.

Ser. No. 541,711. SIMPLICITY PATTERN CO. INC., New York, N. Y. Filed Nov. 19, 1947. Under section 2f of the act of 1946.

Simplicity

Applicant claims ownership of registration No. 277,639.
FOR PERIODICAL PATTERN BOOKS, PERIODICAL PATTERN MAGAZINES, AND PERIODICAL PATTERN PAMPHLETS.
Claims use since Aug. 1, 1927.

Ser. No. 544,413. WILLIAM E. WHALEY, doing business as William E. Whaley Company, Louisville, Ky. Filed Dec. 15, 1947. Under section 2f of the act of 1946.

TAXIPOSTER

Applicant claims ownership of registration No. 394,703.
FOR PRINTED ADVERTISING POSTERS.
Claims use since Nov. 1, 1937.

Ser. No. 544,448. HIDE AND LEATHER PUBLISHING COMPANY, Chicago, Ill. Filed Dec. 16, 1947.

SHOESCOPE

FOR SECTIONS OF PUBLICATIONS PERTAINING TO HIDES, LEATHER, AND SHOES.
Claims use since Nov. 22, 1947.

Ser. No. 547,116. JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Jan. 15, 1948.



FOR BOOKLETS AND PERIODICAL PUBLICATIONS.
Claims use since 1925.

CLASS 39
CLOTHING

Ser. No. 488,654. NATIONAL HOSIERY MILLS, INC., Indianapolis, Ind. Filed Jan. 20, 1948. Under section 2f of the act of 1946.

Air Spun
PETITE

Applicant claims ownership of registration No. 387,246.
FOR HOSIERY.
Claims use since August 1940.

Ser. No. 511,813. INNES HENDERSON AND COMPANY LIMITED, Hawick, Scotland. Filed June 3, 1948.

BRAEMAR

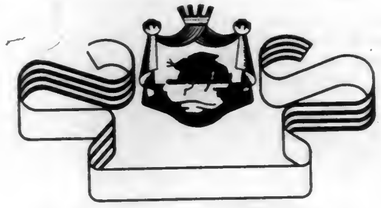
Applicant claims ownership of English registration No. 582,092, dated Dec. 14, 1937, and U. S. registration No. 201,334 (renewed).
FOR KNITTED UNDERWEAR, JACKETS, SWEATERS, HOSE, AND HALF HOSE FOR MEN; KNITTED UNDERWEAR, JUMPERS, CARDIGANS, SUITS, AND SKIRTS FOR WOMEN; KNITTED UNDERWEAR, JERSEYS, CARDIGANS, JERSEY SUITS, AND HOSE FOR BOYS; KNITTED UNDERWEAR, JERSEYS, JUMPERS, AND CARDIGANS FOR GIRLS.

Ser. No. 511,994. GAMBLE-SKOGMO, INC., Minneapolis, Minn. Filed July 13, 1948.



The drawing is lined for the color red.
FOR WORK GLOVES, WORK SHIRTS, DENIM JACKETS, WAIST BAND AND BIB OVERALLS, AND WORK SUITS.
Claims use since Feb. 1, 1946.

Ser. No. 519,797. BORDEN IMPORT CORP., New York, N. Y. Filed May 25, 1948.



FOR MEN'S HATS.
Claims use since Jan. 22, 1947.

Ser. No. 519,798. BORDEN IMPORT CORP., New York, N. Y. Filed May 25, 1948.

Tonak

The word feature of the mark is the word "Tonak."
FOR MEN'S HATS.
Claims use since Jan. 22, 1947.

Ser. No. 529,209. STRATBURY MANUFACTURING CO., Galion, Ohio. Filed July 22, 1947.

STRATBURY

Applicant claims ownership of registration No. 248,835.
FOR OVERCOATS AND TOPCOATS FOR MEN AND WOMEN.
Claims use since Mar. 1, 1928.

Ser. No. 532,421. C. A. GROSVENOR SHOE COMPANY, Worcester, Mass. Filed Aug. 25, 1947. Under section 2f of the act of 1946.

Grosvenor

FOR HOUSE SLIPPERS.
Claims use since 1918.

Ser. No. 532,467. MALIBU BRASSIERE CO., Los Angeles, Calif., assignor to Alvin P. Waldman, doing business as Malibu Brassiere Co., Los Angeles, Calif. Filed Aug. 26, 1947.

Gart-eez

The term "eez" is disclaimed apart from the mark.
FOR WOMEN'S GARTER BELTS.
Claims use since Jan. 29, 1947.

Ser. No. 532,468. MALIBU BRASSIERE CO., Los Angeles, Calif., assignor to Alvin P. Waldman, doing business as Malibu Brassiere Co., Los Angeles, Calif. Filed Aug. 26, 1947.

Sambra

FOR WOMEN'S BRASSIÈRES.
Claims use since Mar. 11, 1946.

Ser. No. 533,841. BONE DRY SHOE MFG. CO., Tacoma, Wash. Filed Sept. 9, 1947. Under section 2f of the act of 1946.

BONE-DRY

Applicant claims ownership of registration No. 129,355.
FOR MEN'S SHOES OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF.
Claims use since Oct. 1, 1917.

Ser. No. 534,939. SUTTON SHIRT CORP., New York, N. Y. Filed Sept. 18, 1947. Under section 2f of the act of 1946.

Sutton

FOR MEN'S SHIRTS AND SPORT SHIRTS.
Claims use since August 1936.

Ser. No. 535,752. S. & L. BELT CO., INC., New York, N. Y. Filed Sept. 25, 1947.

Topps

FOR GARMENT BELTS.
Claims use since Aug. 14, 1947.

Ser. No. 537,958. MORRIS WOLOCK, New York, N. Y. Filed July 8, 1947.

another
Morris Wolock
Fashion

The name "Morris Wollock" is the facsimile signature of the applicant. The words "Another Fashion" are disclaimed apart from the mark.
FOR LADIES' AND MISSES' SHOES MADE OF LEATHER, FABRIC, PLASTIC, OR OF COMBINATIONS THEREOF.
Claims use since July 1, 1944.

Ser. No. 538,120. GOODALL RUBBER COMPANY, Trenton, N. J. Filed Oct. 17, 1947. Under section 2f of the act of 1946.

TOE SAVER

Applicant claims ownership of registration No. 362,489.
FOR BOOTS MADE OF RUBBER.
Claims use since Sept. 22, 1937.

Ser. No. 538,730. DIXON-BARTLETT COMPANY, Baltimore, Md. Filed Oct. 23, 1947.



Likeness of shoemaker is fanciful; representation of shoe is disclaimed.
FOR SHOES.
Claims use since Oct. 8, 1947.

Ser. No. 539,975. NATIONAL HOSIERY MILLS, INC., Indianapolis, Ind. Filed Nov. 3, 1947. Under section 2f of the act of 1946.

Air Spun

Applicant claims ownership of registration No. 387,246.
FOR HOSIERY.
Claims use since Dec. 23, 1937.

Ser. No. 542,255. BUSCARLET GLOVE COMPANY, INC., New York, N. Y. Filed Aug. 26, 1947.

RIGORLAV

Applicant claims ownership of registration No. 240,653.
FOR LEATHER GLOVES.
Claims use since Sept. 1, 1927.

Ser. No. 544,501. SCHLOSS BROS. & CO. INC., Baltimore, Md. Filed Sept. 22, 1947. Under section 2f of the act of 1946.

Kerry Keith

The name "Kerry Keith" is purely fanciful.
Applicant claims ownership of registration No. 378,199.
FOR MEN'S AND WOMEN'S WEARING APPAREL—NAMELY, MEN'S SUITS, TOPCOATS, OVERCOATS, SPORT COATS, SPORT TROUSERS, HATS, COATS AND PANTS; DRESS, NEGLIGEE, AND WORK SHIRTS; NECKWEAR—NAMELY, NECKTIES, MUFFLERS, SCARFS; SHOES OF LEATHER, RUBBER OR FABRIC OR OF COMBINATIONS OF SAID MATERIALS; AND WOMEN'S SPORTWEAR—NAMELY, SUITS AND COATS.
Claims use since June 19, 1927.

Ser. No. 544,633. S. G. HOLMES & SONS, INC., Tulsa, Okla. Filed Oct. 2, 1947. Under section 2f of the act of 1946.

LawrenceClothes

The word "Clothes" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 162,011.
FOR MEN'S SUITS, COATS, VESTS, TROUSERS AND OVERCOATS.
Claims use since May 1920.

Ser. No. 546,171. S. AUGSTEIN & CO., INC., College Point, N. Y. Filed Jan. 5, 1948.

Sacony

FANNYS

Applicant claims ownership of registrations Nos. 263,995, 264,759, 390,794, 423,744, 386,045, 349,769, and 380,610.
FOR SPORTSWEAR PANTIES.
Claims use since Nov. 14, 1947.

Ser. No. 547,075. VELMA LINGERIE CORP., New York, N. Y. Filed Jan. 14, 1948.

White Kings

No claim is made to the word "White" apart from the mark.
FOR LADIES' SLIPS, NIGHTGOWNS, AND PANTIES.
Claims use since 1923.

Ser. No. 547,224. ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed Jan. 16, 1948.

Flexees

Applicant claims ownership of registrations Nos. 305,623 and 355,075.
FOR GIRDLES, CORSETS AND BRASSIÈRES AND COMBINATIONS THEREOF.
Claims use since Nov. 15, 1931.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 535,198. TRANSOLENE CORPORATION, doing business as Transolene Co., Barrington, Ill. Filed Sept. 20, 1947.

FEATHERGLASS

FOR PLASTIC FILM IN SHEETS OR ROLLS FOR USE IN MAKING INTO SHOWER CURTAINS, GARMENT BAGS, AND THE LIKE.
Claims use since June 27, 1941.

Ser. No. 536,796. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

ATLAS

FOR BOOK CLOTH.
Claims use since 1926.

Ser. No. 536,797. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

BEAVER

FOR BOOK CLOTH AND FOR TAG CLOTH.
Claims use since 1914.

Ser. No. 536,798. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

DURO

FOR BOOK CLOTH.
Claims use since 1930.

Ser. No. 536,799. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

FEDERAL

FOR BOOK CLOTH.
Claims use since 1930.

Ser. No. 536,800. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

IMPREGLIN

FOR BOOK CLOTH AND LABEL CLOTH.
Claims use since 1930.

Ser. No. 536,801. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

PARCHMENT

FOR BOOK CLOTH.
Claims use since 1930.

Ser. No. 536,802. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

VELLTEX

FOR BOOK CLOTH.
Claims use since 1927.

Ser. No. 536,939. MANDEL BROTHERS, INC., Wilmington, Del., and Chicago, Ill. Filed Oct. 6, 1947.

embee

FOR COTTON SHEETS.
Claims use since Oct. 17, 1934.

Ser. No. 539,644. BURBERRYS LIMITED, London, England. Filed Oct. 31, 1947. Under section 2f of the act of 1946.

BURBERRY

Applicant claims ownership of registrations Nos. 259,571, 260,843, 260,886, and 261,141.
FOR PIECE GOODS—NAMELY, CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR.
Claims use since 1903.

Ser. No. 543,963. NATIONAL MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Dec. 10, 1947.

Coralin

FOR FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS.
Claims use since Jan. 30, 1941.

Ser. No. 544,710. DAN RIVER MILLS, INCORPORATED, Danville, Va. Filed Dec. 18, 1947.

DANWEAR

Applicant claims ownership of registrations Nos. 73,905, 420,303, and 433,067.
FOR COTTON PIECE GOODS.
Claims use since Nov. 7, 1947.

Ser. No. 545,694. BOTANY MILLS, INC., Passaic, N. J. Filed Dec. 30, 1947.

KARELLE

FOR WOOLEN FABRICS IN THE PIECE.
Claims use since Dec. 2, 1946.

Ser. No. 545,963. DETMER, BRUNER & MASON, INC., New York, N. Y. Filed Jan. 2, 1948. Under section 2f of the act of 1946.



The word "Woolens" and representation of the sheep are disclaimed apart from the mark. Applicant claims ownership of registration No. 111,718.
FOR WOOLEN FABRICS IN THE PIECE.
Claims use since 1900.

Ser. No. 550,577. BOTANY MILLS, INC., Passaic, N. J. Filed Feb. 26, 1948.

LADY TROPICAL

Applicant disclaims the exclusive right to the use of the word "Tropical" per se.
FOR WOOLEN FABRICS IN THE PIECE.
Claims use since Feb. 9, 1948.

Ser. No. 552,,592. THE KENDALL COMPANY, Walpole, Mass. Filed Mar. 20, 1948.

CLEX

Applicant claims ownership of registration No. 342,675.
FOR FIBROUS LINING MATERIALS (OF COTTON OR COTTON MIXED WITH OTHER FIBERS), COATED FOR FUSING WITH OTHER FABRICS AND ADAPTED ESPECIALLY FOR USE IN COLLARS, CUFFS, AND THE LIKE.
Claims use since Feb. 24, 1936.

Ser. No. 553,410. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y. Filed Mar. 30, 1948.

SENGAH

Applicant claims ownership of registration No. 283,142.
FOR FABRICS IN THE PIECE MADE OF GLASS FIBERS.
Claims use since Oct. 3, 1929.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 499,323. DENSCO, INCORPORATED, Denver, Colo., by change of name from The Dental Specialty Manufacturing Co., Inc. Filed Sept. 15, 1947.



The drawing is lined to indicate the color blue. The words "Diamond Instruments" and the representation of the diamond-equipped grinding tool face are disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 295,447, 420,678, and 426,600.
FOR DIAMOND-FACED DRILLING, GRINDING, POLISHING, AND LIKE DENTAL TOOLS FOR THE PREPARATORY CONDITIONING AND SHAPING OF DENTAL CAVITIES.
Claims use since Nov. 1, 1945.

Ser. No. 530,059. THE CLEVELAND DENTAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 31, 1947.

OSSISECTOR

Applicant claims ownership of registration No. 180,984.
FOR DENTAL CUTTING TOOLS FOR CUTTING BONE AND TISSUE.
Claims use since October 1919.

Ser. No. 536,640. JULIUS SCHMID, INC., New York, N. Y. Filed Oct. 3, 1947. Under section 2f of the act of 1946. Applicant claims ownership of registration No. 323,824.

NON-SLIP

FOR PROPHYLACTIC RUBBER AND MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since December 1932.

Ser. No. 536,642. JULIUS SCHMID, INC., New York, N. Y. Filed Oct. 3, 1947.



Applicant claims ownership of registrations Nos. 303,379 and 398,552.

FOR PROPHYLACTIC RUBBER AND MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.

Claims use since Nov. 15, 1932.

Ser. No. 546,230. MARINE ELECTRONICS, INC., Tacoma, Wash. Filed Jan. 5, 1948.

SANADRAPE

FOR SURGICAL SHEETS.

Claims use since Apr. 6, 1946.

Ser. No. 549,884. COE LABORATORIES, INC., Chicago, Ill. Filed Feb. 17, 1948.

All·Tec

FOR DENTAL IMPRESSION MATERIAL.

Claims use since Jan. 20, 1948.

Ser. No. 549,936. THE KENDALL COMPANY, Walpole, Mass. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

KENDALL

FOR PHARMACEUTICAL COTTON.

Claims use since Mar. 21, 1940.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 514,058. NATIONAL FRUIT FLAVOR COMPANY, INC., New Orleans La. Filed Oct. 22, 1947.

Lix

FOR CONCENTRATE USED IN MAKING MALTLESS, NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS.

Claims use since Apr. 1, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 520,696. THE GREENCASTLE PACKING COMPANY, Greencastle, Pa. Filed Sept. 3, 1947.

GREEN CASTLE

Applicant claims ownership of registration No. 322,838.

FOR CANNED VEGETABLES AND CANNED TOMATO JUICE.

Claims use since July 1940.

Ser. No. 527,124. D. GHIRARDELLI CO., San Francisco, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.

NU-MALT

Applicant claims ownership of registration No. 361,903.

FOR CHOCOLATE POWDER PREPARATION FOR MAKING FOOD BEVERAGES AND OTHER FOOD USES.

Claims use since Feb. 1, 1935.

Ser. No. 530,199. THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed Aug. 1, 1947.

Ezyup

FOR YEAST FOOD.

Claims use since Sept. 21, 1931.

Ser. No. 530,529. J. LANGRALL & BRO. INC. Baltimore, Md. Filed Aug. 5, 1947.

Red Moon

FOR CANNED VEGETABLES.

Claims use since Sept. 30, 1912.

Ser. No. 531,510. ORANGE COOPERATIVE CITRUS ASSOCIATION, Orange, Calif. Filed Aug. 15, 1947. COLLECTIVE MARK.

FEARLESS



FOR FRESH CITRUS FRUITS.

Claims use since Apr. 19, 1927.

Ser. No. 532,315. JOS. MARTINSON & CO., INC., New York, N. Y. Filed Aug. 25, 1947. Under section 2f of the act of 1946.



The medals shown in the drawing represent those won at the Paris Exposition 1928–1929 and no claim is made to the wording on said medals, except as such wording refers to the name of the applicant. Applicant claims ownership of registration No. 188,299.

FOR COFFEE.

Claims use since March 1902.

Ser. No. 533,926. SANDS, TAYLOR & WOOD COMPANY, Somerville, Mass. Filed Sept. 9, 1947.

WHITE PUFF

The word "White" is disclaimed apart from the mark. Applicant claims ownership of registration No. 104,327.

FOR WHEAT FLOUR.

Claims use since Nov. 25, 1914.

Ser. No. 535,022. FUNK BROS. SEED CO., INCORPORATED, Bloomington, Ill. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

FUNK'S

Applicant claims ownership of registrations Nos. 355,783, 357,522, and 375,081.

FOR SOYBEAN MEAL USED AS A FEED FOR DOMESTIC ANIMALS SUCH AS CATTLE, HOGS, SHEEP, HORSES, GOATS, DOGS, RABBITS, FOXES, AND MINKS; AND POULTRY, SUCH AS CHICKENS, TURKEYS, DUCKS, PIGEONS, AND GEESE.

Claims use since 1924.

Ser. No. 535,332. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 23, 1947.

MU-SICLE

Applicant claims ownership of registrations Nos. 219,744, 288,393, 288,507, and others.

FOR FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME.

Claims use since July 7, 1947.

Ser. No. 538,606. CAUSSE MANUFACTURING & IMPORTING CO., Bound Brook and Jersey City, N. J. Filed Oct. 22, 1947.

Victor Brand

The word "Brand" is disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 105,275 and 361,807.

FOR PRESERVED DICED MIXED FRUITS AND DRAINED CITRON PEEL, LEMON PEEL, AND ORANGE PEEL.

Claims use since Jan. 1, 1895.

Ser. No. 539,236. H. P. TAYLOR, JR., INC., Richmond, Va. Filed Oct. 27, 1947.

Powhatan

Applicant claims ownership of registration No. 220,939.

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED TOMATO JUICE, OLIVES, MUSTARD, SALAD DRESSING AND TOMATO CATSUP, AND TABLE SYRUP.

Claims use since 1890.

Ser. No. 539,237. H. P. TAYLOR, JR., INC., Richmond, Va. Filed Oct. 27, 1947.

POCAHONTAS

Applicant claims ownership of registrations Nos. 336,457 and 66,059.
FOR CANNED FRUITS, FRUIT JUICES, FRUIT SAUCES, FRUIT PRESERVES, JELLIES; CANNED VEGETABLES, TOMATO JUICE, TOMATO PUREE; CHILI SAUCE, SANDWICH SPREAD, MAYONNAISE, MUSTARD, CATSUP, OLIVES; CANNED FISH.
Claims use since 1890.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 539,484. BOSCH BREWING COMPANY, Houghton, Mich. Filed Oct. 30, 1947.

GILT EDGE

Applicant claims ownership of registration No. 137,560.
FOR BEER.
Claims use since December 1899.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 511,070. SUNSET INCORPORATED, Chicago, Ill. Filed Mar. 16, 1948.

SUNSET CLUB

No claim is made to the word "Club" apart from the mark as shown.
FOR WHISKEY, GIN, RUM, ALCOHOLIC CORDIALS, LIQUEURS, ALCOHOLIC COCKTAILS AND ALCOHOLIC MIXED DRINKS, AND BRANDY.
Claims use since 1934.

Ser. No. 523,509. GEORGE BALLANTINE & SON LIMITED, Dumbarton, Scotland. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

Ballantine's

Applicant claims ownership of registration No. 341,330.
FOR WHISKEY.
Claims use since July 1, 1893.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 531,228. IRVING MACHLEDER, doing business as Flexcraft Industries, New York, N. Y. Filed Aug. 13, 1947.

Flexcraft

FOR PLASTIC-WORK KITS CONSISTING OF A PORTABLE BOX CONTAINER, FITTED WITH JARS OF LIQUID PLASTIC; JARS OF PAINTS, PAINT CLEANERS AND PAINT THINNERS; BRUSHES; WIRE; ORNAMENTS; AND OTHER SUCH LIKE ACCESSORY TOOLS AND MATERIALS FOR USE IN MAKING ARTIFICIAL FLOWERS, COSTUME DECORATIONS, FIGURES SUCH AS ANIMALS, COMIC CHARACTERS, AND OTHER DESIGNS.
Claims use since June 3, 1946.

Ser. No. 533,172. KERR GLASS MANUFACTURING CORPORATION, Sand Springs, Okla. Filed Sept. 3, 1947.

ECONOMY

Applicant claims ownership of registration No. 282,676.
FOR JAR CAPS AND LIDS MADE OF METAL.
Claims use since Oct. 20, 1903.

Ser. No. 533,811. WOOD FLONG CORPORATION, Hoosick Falls, N. Y. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

WOOD AD MAT

The words "Ad Mat" are disclaimed apart from the mark.
FOR DRY MATS FOR STEREOTYPING PURPOSES.
Claims use since Oct. 10, 1940.

Ser. No. 533,812. WOOD FLONG CORPORATION, Hoosick Falls, N. Y. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

WOOD ▪ MASTER FLONG

The words "Master Flong" are disclaimed apart from the mark.
FOR DRY MATS FOR STEREOTYPING PURPOSES.
Claims use since Mar. 17, 1941.

Ser. No. 533,813. WOOD FLONG CORPORATION, Hoosick Falls, N. Y. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

WOOD GRAPHIC MAT

The words "Graphic Mat" are disclaimed apart from the mark.
FOR DRY MATS FOR STEREOTYPING PURPOSES.
Claims use since Jan. 4, 1938.

Ser. No. 533,816. WOOD FLONG CORPORATION, Hoosick Falls, N. Y. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

WOOD BLUE STREAK STANDARD

The word "Standard" is disclaimed apart from the mark.
FOR DRY MATS FOR STEREOTYPING PURPOSES.
Claims use since Sept. 19, 1933.

Ser. No. 533,817. WOOD FLONG CORPORATION, Hoosick Falls, N. Y. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

FORMOBOARD

FOR DRY MATS FOR STEREOTYPING PURPOSES.
Claims use since Oct. 16, 1940.

Ser. No. 533,818. WOOD FLONG CORPORATION, Hoosick Falls, N. Y. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

"Hill"
ALL PURPOSE PLASTEX MATS

The words "All Purpose Plastex Mats" are disclaimed apart from the mark. Applicant claims ownership of registration No. 382,990.
FOR DRY MATS FOR STEREOTYPING PURPOSES.
Claims use since October 1938.

Ser. No. 535,989. THE OHIO RUBBER COMPANY, Willoughby, Ohio. Filed Sept. 27, 1947.

ARCAL

Applicant claims ownership of registrations Nos. 405,764 and 406,526.
FOR FLOOR MATS OF RUBBER AND LIKE MATERIALS.
Claims use since Mar. 3, 1947.

Ser. No. 546,911. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Aug. 28, 1947.

SERAX

Applicant claims ownership of registration No. 298,911.
FOR CAPS FOR BOTTLES, JARS, CANS, AND THE LIKE.
Claims use since Sept. 18, 1898.

CLASS 55

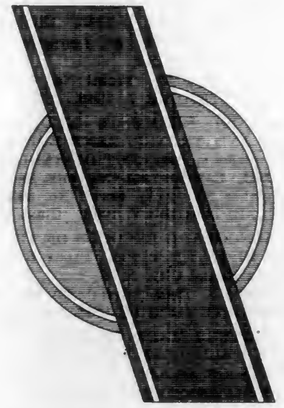
SERVICES

Ser. No. 527,272. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del. Filed July 5, 1947. SERVICE MARK. Under section 2f of the act of 1946.



Applicant disclaims the word "Companies," except as such word is used in combination with the word "Personal." The drawing is lined for the colors black and gray.
FOR SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN, AND INSTALMENT CREDIT BUSINESS.
Claims use since Aug. 10, 1946.

Ser. No. 528,079. CHICAGO AND NORTH WESTERN RAILWAY COMPANY, Chicago, Ill. Filed July 7, 1947. SERVICE MARK.



The said service mark consists of a red circle crossed by a black bar or parallelogram. The said circle is interlined with a white stripe running circularly around and near the border of the red circle. The said parallelogram is interlined with two white stripes running along the length of the parallelogram, one stripe near each border.
FOR RAILWAY FREIGHT AND PASSENGER TRANSPORTATION SERVICES.
Claims use since June 12, 1892.

Ser. No. 533,033. CHESTER W. KELTNER, Kansas City, Mo. Filed Sept. 2, 1947. SERVICE MARK.

the KELTNER GRAIN LETTER A Confidential Service for Clients Only

No claim is made to the words "Grain Market Letter" and "A Confidential Service for Clients Only" apart from the mark as shown.
FOR GRAIN MARKET ANALYSIS.
Claims use since Jan. 13, 1940.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,571. CANDY. PHOEBE PHELPS CARAMEL COMPANY, Boston, Mass., assignor to Phoebe Phelps Caramel Company, Inc., Boston, Mass., a corporation of Massachusetts.
Filed August 30, 1944. Serial No. 473,746. PUBLISHED NOVEMBER 12, 1946. Class 46.

441,572. BOX-LIKE TEMPERATURE CONTROLLED CABINETS WITHIN WHICH THE MANUFACTURE, ASSEMBLY, CALIBRATION, INSPECTION AND TESTING OF PRECISION PARTS, ASSEMBLIES, AND APPARATUS MAY BE ACCOMPLISHED. GARRISON MACHINE WORKS, INC., Dayton, Ohio.
Filed March 26, 1945. Serial No. 481,322. PUBLISHED SEPTEMBER 7, 1948. Class 26.

441,573. CANNED FOOD PRODUCTS — NAMELY, FRUITS, CRANBERRY SAUCE, FRUIT PRESERVES, MARMALADE, MAYONNAISE, MAPLE SYRUP, OLIVES, SHOE-STRING POTATOES, PEA SOUP MIX, GRAPEFRUIT JUICE AND VANILLA EXTRACT FOR FOOD PURPOSES, FIGS IN SYRUP, AND PEANUT BUTTER. THE NEUMAN AND SCHWIERS COMPANY, New York, N. Y.
Filed October 1, 1945. Serial No. 489,235. PUBLISHED SEPTEMBER 7, 1948. Class 46.

441,574. SOUP NOODLES. ST. LOUIS MACARONI MFG. CO., INC., St. Louis, Mo.
Filed October 22, 1945. Serial No. 490,341. PUBLISHED SEPTEMBER 7, 1948. Class 46.

441,575. OPTICAL ELEMENTS—NAMELY, LENSES, PRISMS AND TRANSPARENT BODIES HAVING TRANSPARENT, REFLECTION-REDUCING COATINGS, ETC. RAY-CONTROL COMPANY, Pasadena, Calif.
Filed November 26, 1945. Serial No. 492,222. PUBLISHED SEPTEMBER 7, 1948. Class 26.

441,576. PHONOGRAPH RECORDS OF THE MECHANICALLY GROOVED TYPE. PILOT RADIO CORPORATION, Long Island City, N. Y.
Filed February 8, 1946. Serial No. 496,269. PUBLISHED SEPTEMBER 14, 1948. Class 36.

441,577. COASTERS MADE OF PLASTIC MATERIAL SUCH AS CELLULOSE-ACETATE, AND USED AS SUPPORTS OR GUARDS FOR TUMBLERS. THE STEEDS-PRALL COMPANY, Cleveland, Ohio, assignor to Thomas A. Steeds.
Filed May 16, 1946. Serial No. 502,238. PUBLISHED SEPTEMBER 14, 1948. Class 2.

441,578. COASTERS MADE FROM A BASE METAL. MORRIS E. JONES, doing business as Jems Company, St. Louis, Mo.
Filed July 11, 1946. Serial No. 505,419. PUBLISHED AUGUST 14, 1948. Class 2.

441,579. COTTON TEXTILE PIECE GOODS. SOL SHORE AND COMPANY, Philadelphia, Pa.
Filed August 19, 1946. Serial No. 507,658. PUBLISHED SEPTEMBER 7, 1948. Class 42.

441,580. NON-WOVEN RAYON FABRICS SOLD BY THE BOLT, WINDOW CURTAINS, TABLECLOTHS AND TABLE PLACE COVERS. KEN-GORD MFG. CORP., Chicago Heights, Ill.
Filed September 11, 1946. Serial No. 508,848. PUBLISHED SEPTEMBER 7, 1948. Class 42.

441,581. CANNED VEGETABLES. NORTHWEST PACKING CO., Portland, Oreg.
Filed September 13, 1946. Serial No. 509,026. PUBLISHED AUGUST 31, 1948. Class 46.

441,582. FABRIC IN THE PIECE CONSISTING OF RAYON. F. DUCHARNE SILK CO., INC., New York, N. Y.
Filed September 14, 1946. Serial No. 509,078. PUBLISHED SEPTEMBER 7, 1948. Class 42.

441,583. PHOTOGRAPHIC LENSES. ARGUS, INCORPORATED, Ann Arbor, Mich.
Filed October 21, 1946. Serial No. 511,195. PUBLISHED SEPTEMBER 14, 1948. Class 26.

441,584. ELECTRIC LAMP SHADES. RAILLEY CORPORATION, Cleveland, Ohio.
Filed October 25, 1946. Serial No. 511,502. PUBLISHED SEPTEMBER 14, 1948. Class 21.

441,585. FRESH SMOKED, AND PICKLED FISH. L. A. LEISTIKOW & SONS, INC., Chicago, Ill.
Filed October 28, 1946. Serial No. 511,626. PUBLISHED AUGUST 24, 1948. Class 46.

441,586. POWDERED WHOLE MILK. RIVER FALLS CO-OPERATIVE CREAMERY CO., River Falls, Wis.
Filed November 2, 1946. Serial No. 511,961. PUBLISHED AUGUST 31, 1948. Class 46.

441,587. PHOTOGRAPHIC APPARATUS AND ACCESSORIES—NAMELY, LENSES, FILTERS, SUNSHADES, CABLE RELEASERS, SELF-TIMERS, TRIPODS, VIEWERS, AND FILM CARTRIDGES. PIONONS S. A., Bailaigues, Switzerland.
Filed November 5, 1946. Serial No. 512,088. PUBLISHED SEPTEMBER 7, 1948. Class 26.

441,588. ELECTRONIC TUBE APPARATUS FOR CONTROLLING THE STARTING, RUNNING AND STOPPING OF ELECTRIC MOTORS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed November 19, 1946. Serial No. 512,835. PUBLISHED SEPTEMBER 9, 1947. Class 21.

441,589. WOVEN TEXTILE FABRIC COMPOSED OF COTTON FIBERS. JANTZEN KNITTING MILLS, Portland, Oreg., assignor to Jantzen Knitting Mills Inc., Portland, Oreg., a corporation of Nevada.
Filed December 31, 1946. Serial No. 515,117. PUBLISHED SEPTEMBER 7, 1948. Class 42.

441,590. CANNED SALMON. SAN JUAN FISHING & PACKING CO., Seattle, Wash.
Filed January 22, 1947. Serial No. 516,149. PUBLISHED DECEMBER 16, 1947. Class 46.

441,591. SHEETS AND PILLOW CASES, BLANKETS, AND FABRICS IN THE PIECE MADE OF COTTON, WOOL, SILK, RAYON, OR MIXTURES OF ANY OF THEM. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed January 29, 1947. Serial No. 516,570. PUBLISHED SEPTEMBER 7, 1948. Class 42.

441,592. CARPETS AND RUGS, AND FOR UPHOLSTERY AND DRAPERY FABRICS MADE OF COTTON, LINEN AND NYLON AND COMBINATIONS THEREOF, IN THE PIECE, WINDOW CURTAINS, AND BEDSPREADS MADE OF COTTON, LINEN, RAYON, NYLON OR COMBINATIONS THEREOF. THE HOME FURNISHINGS STYLE COUNCIL, New York, N. Y.
Filed February 7, 1947. Serial No. 517,133. PUBLISHED SEPTEMBER 7, 1948. Class 42.

441,593. TEA, COFFEE, VANILLA EXTRACT FOR FOOD PURPOSES, CURRY POWDER, ALLSPICE, WORCESTERSHIRE SAUCE. DAVID G. EVANS COFFEE CO., St. Louis, Mo.
Filed February 11, 1947. Serial No. 517,295. PUBLISHED SEPTEMBER 14, 1948. Class 46.

441,594. PLASTIC COATED TEXTILE FABRICS, IN THE PIECE CONSISTING OF WOOL, SILK, COTTON, RAYON, NYLON, AND PROTEIN FIBRES AND MIXTURES THEREOF. BARRET TEXTILE CORPORATION, New York, N. Y.
Filed February 13, 1947. Serial No. 517,399. PUBLISHED SEPTEMBER 7, 1948. CLASS 42.

441,595. POWDERED JELL-PRODUCING BASE FOR USE IN THE PRODUCTION OF JELLY AND SOLD IN THE FOLLOWING FLAVORS: APRICOT, CHERRY, ETC. THE CENTRAL OHIO SUPPLY CO., Columbus, Ohio.
Filed February 24, 1947. Serial No. 517,963. PUBLISHED AUGUST 31, 1948. Class 46.

441,596. FOODS—NAMELY, CANNED CORN, BEANS, BEETS, CHERRIES, FRUIT COCKTAIL, GRAPEFRUIT JUICE, CANNED EVAPORATED MILK, PEACHES, PEAS, PRUNE JUICE, SALMON, SPINACH AND TOMATOES, ETC. JOHN C. THORNTON CO., doing business as A. B. C. Distributors, Terre Haute, Ind.
Filed March 8, 1947. Serial No. 518,737. PUBLISHED SEPTEMBER 14, 1948. Class 46.

441,597. PEANUT FLOUR. TRADERS OIL MILL COMPANY, Fort Worth, Tex.
Filed March 10, 1947. Serial No. 518,795. PUBLISHED SEPTEMBER 14, 1948. Class 46.

441,598. MEAT SOUP, CHICKEN SOUP, CLEAR AND THICKENED OXTAIL SOUP, GRAVY, ASPIC, MEAT FLAVORINGS, AND EXTRACT OF BEEF. LINA SCHEIM, doing business as Wilhelm Scheim Wwe. Lucui-Nahrmittelfabrik, Zurich, Switzerland.
Filed March 12, 1947. Serial No. 518,914. PUBLISHED AUGUST 24, 1948. Class 46.

441,599. CANNED VEGETABLES, CANNED FRUITS, CANNED FRUIT JUICES, CANNED FISH, ALIMENTARY PASTE PRODUCTS, ETC. ARMSTRONG GROCERY COMPANY, Sharon, Pa.
Filed March 18, 1947. Serial No. 519,163. PUBLISHED DECEMBER 9, 1947. Class 46.

441,600. CANDY. NORRIS INC., Atlanta, Ga.
Filed March 24, 1947. Serial No. 519,486. PUBLISHED AUGUST 24, 1948. Class 46.

441,601. PLASTIC-COATED COTTON FABRICS. ASHER & BORETZ, INC., New York, N. Y.
Filed April 24, 1947. Serial No. 521,235. PUBLISHED SEPTEMBER 7, 1948. Class 42.

441,602. WINDOW CURTAINS, WINDOW DRAPERIES, CRIB SHEETS, TABLE TOP COVERS, AND TABLE CLOTH COVERS, ALL FORMED OF PLASTIC FILM. BOLAND MFG. CO., Chicago, Ill.
Filed April 24, 1947. Serial No. 521,239. PUBLISHED SEPTEMBER 7, 1948. Class 42.

441,603. MARMALADE, JELLIES, JAMS, AND PRESERVES MADE FROM FRUIT AND BERRIES. BEDFORD PRODUCTS, INC., Dunkirk, N. Y.
Filed May 9, 1947. Serial No. 522,148. PUBLISHED AUGUST 31, 1948. Class 46.

441,604. CANNED FISH. OTIS, MCALLISTER & CO., San Francisco, Calif.
Filed May 26, 1947. Serial No. 523,088. PUBLISHED AUGUST 24, 1948. Class 46.

441,605. PRINTED SLIDE-CHARTS SHOWING PERCENTAGE POSSIBILITIES OF VARIOUS POKER HANDS. PERFORAF CORPORATION, Maywood, Ill.
Filed June 12, 1947. Serial No. 524,078. PUBLISHED SEPTEMBER 14, 1948. Class 26.

441,606. MIXING AND MEASURING MACHINES AND INSTRUMENTS FOR PAINTS. THE SHERWIN-WILLIAMS COMPANY, Cleveland Ohio.
Filed June 24, 1947. Serial No. 524,736. PUBLISHED SEPTEMBER 7, 1948. Class 26.

441,607. CLOTH (MADE OF NYLON, SILK, RAYON, COTTON, LINEN, METAL, AND OTHER TYPES OF FIBERS) FOR SALE BY THE BOLT, YARD, AND PIECE, FOR USE BY SIGN WRITERS, SIGN PAINTERS, ARTISTS, AND SILK SCREEN PROCESSORS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 24, 1947. Serial No. 524,740. PUBLISHED SEPTEMBER 7, 1948. Class 42.

441,608. VEGETABLE SEED MEALS AS FEED FOR CATTLE, LIVESTOCK, AND DAIRY ANIMALS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 24, 1947. Serial No. 524,741. PUBLISHED September 7, 1948. Class 46.

441,609. PREPARED CERAMIC ELECTRICAL INSULATING MATERIALS SOLD IN COMMINUTED BULK. OREFRACTION INCORPORATED, Pittsburgh, Pa.
Filed June 27, 1947. Serial No. 525,021. PUBLISHED AUGUST 24, 1948. Class 21.

441,610. DRAFT GAUGES. FRANK W. DWYER, doing business as F. W. Dwyer Manufacturing Company, Chicago, Ill., assignor to F. W. Dwyer Mfg. Co., Chicago, Ill., a corporation of Illinois.
Filed June 28, 1947. Serial No. 525,072. PUBLISHED SEPTEMBER 7, 1948. Class 26.

441,611. CANNED TOMATOES, TOMATO PASTE, AND TOMATO PUREE. P. M. C. COMPANY, INC., Swedesboro, N. J.
Filed June 28, 1947. Serial No. 525,098. PUBLISHED AUGUST 24, 1948. Class 46.

441,612. FRESH APPLES. GEO. D. BROWN & SON, INC., also doing business as Chelan Falls Orchards, Chelan Falls, Wash.
Filed July 4, 1947. Serial No. 526,197. PUBLISHED AUGUST 24, 1948. Class 46.

441,613. PLASTIC DINNERWARE—NAMELY, PLATES, PLATTERS, CUPS, AND SAUCERS. WM. RICHMAN SUPPLY CORP., New York, N. Y.
Filed July 4, 1947. Serial No. 526,292. PUBLISHED SEPTEMBER 14, 1948. Class 2.

ACT OF 1920

These registrations are not subject to opposition.

441,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN AIR LINES, INC., Los Angeles, Calif. Filed Jan. 16, 1946. Serial No. 494,879.

WESTERN Air Freight

FOR FRESH FRUITS—NAMELY, BARTLETT PEARS AND ORANGES; FRESH VEGETABLES—NAMELY, PEAS; FRESH SEA FOOD—NAMELY, SHRIMPS.
Claims use since Aug. 1, 1945.

441,615. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WIGGINS OLD TAVERN, INC., Northampton, Mass. Filed Feb. 15, 1946. Serial No. 496,675.



The Country Store
of
Wiggins' Old Tavern
at
Hotel Northampton
Northampton, Mass.
"An Inn of Colonial Charm"

FOR CANDY, CAKES, AND MAPLE SYRUP.
Claims use since July 29, 1932.

441,616. (CLASS 38. PRINTS AND PUBLICATIONS.) FREDERICK KOGOS, doing business as Frederick Kogos Publishing Company, New York, N. Y. Filed Feb. 28, 1946. Serial No. 497,391.

APPAREL MARKETS

FOR ANNUALLY PUBLISHED MANUALS AND SECTIONS IN MAGAZINES.
Claims use since Nov. 22, 1944.

441,617. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) GRANVILLE FABRICS CO., New York, N. Y. Filed July 18, 1946. Serial No. 505,818.

BROOKVILLE

FOR RAYON FABRICS IN THE PIECE.
Claims use since July 2, 1946.

441,618. (CLASS 38. PRINTS AND PUBLICATIONS.) THE COMMERCIAL MUSEUM, Philadelphia, Pa. Filed Aug. 19, 1946. Serial No. 510,917.

Foreign
Inquiry Bulletin

FOR BULLETIN ISSUED TWICE EACH MONTH.
Claims use since December 1936.

441,619. (CLASS 38. PRINTS AND PUBLICATIONS.) HAIRE PUBLISHING COMPANY, New York, N. Y. Filed Dec. 10, 1946. Serial No. 513,973.

AVIATION and AUTOMOTIVE EQUIPMENT

FOR TECHNICAL MAGAZINE.
Claims use since Oct. 1, 1946.

ACT OF 1946, PRINCIPAL REGISTER

504,720. RADIO RECEIVING SETS, AUTOMATIC ELECTRIC PHONOGRAPH PLAYERS AND PHONOGRAPH RECORD CHANGERS, AND ELECTRIC SOUND RECORDING ON WIRE SETS. THE HALLICRAFTERS CO., Chicago, Ill., assignor to The Magnavox Company, Ft. Wayne, Ind., a corporation of Delaware.
Filed November 12, 1947. Serial No. 491,254. PUBLISHED MAY 11, 1948. Class 21.

504,721. WOOL BLANKETS AND COTTON RUGS. S. J. LISKO, doing business as Club Plan Sales Co., Youngstown, Ohio.
Filed September 16, 1947. Serial No. 494,453. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,722. PHOTOGRAPHIC LENSES. WOLLENSAK OPTICAL COMPANY, Rochester, N. Y.
Filed July 30, 1947. Serial No. 495,853. PUBLISHED SEPTEMBER 7, 1948. Class 26.

504,723. CANNED CITRUS FRUIT MEATS IN JUICE SYRUP. BRUCE'S JUICES, INC., Tampa, Fla.
Filed January 13, 1948. Serial No. 500,275. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,724. FRESH VEGETABLES—NAMELY, CABBAGE, CARROTS, LETTUCE, AND CAULIFLOWER. FLOYD N. SMITH, doing business as Floyd N. Smith Co., Phoenix, Ariz.
Filed October 6, 1947. Serial No. 501,143. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,725. WASHED AND GRADED POTATOES. HAROLD W. BANGERT, doing business as Pantato Company, Fargo, N. Dak.
Filed July 29, 1947. Serial No. 505,094. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,726. MACHINES FOR LOCATING AND MEASURING UNBALANCE IN ROTATING PARTS AND BODIES AND FOR THE ADDITION OF WEIGHTS OR REMOVAL OF MATERIAL TO CORRECT THE DETERMINED UNBALANCE AND ELIMINATE VIBRATION. GISHOLT MACHINE COMPANY, Madison, Wis.
Filed July 15, 1947. Serial No. 507,981. PUBLISHED SEPTEMBER 7, 1948. Class 26.

504,727. MACHINES FOR LOCATING AND MEASURING UNBALANCE IN ROTATING PARTS AND BODIES, AND FOR THE ADDITION OF WEIGHTS OR REMOVAL OF MATERIAL TO CORRECT THE DETERMINED UNBALANCE AND ELIMINATE VIBRATION. GISHOLT MACHINE COMPANY, Madison, Wis.
Filed July 15, 1947. Serial No. 507,982. PUBLISHED SEPTEMBER 7, 1948. Class 26.

504,728. HONEY. DONALD T. SINN, doing business as Donald Sinn Apiaries, Tulare, Calif.
Filed October 4, 1947. Serial No. 508,445. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,729. POULTRY AND STOCK FEEDS, FOR EXAMPLE, MASHES, ETC. FLOUR MILLS OF AMERICA, INC., Kansas City, Mo.
Filed October 8, 1947. Serial No. 509,084. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,730. SEASONINGS—NAMELY, SAGE AND SPECIALLY PROCESSED SEASONINGS FOR PORK AND BEANS, ETC. THE GRIFFITH LABORATORIES, INC., doing business as The Griffith Laboratories, Chicago, Ill.
Filed January 2, 1948. Serial No. 510,169. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,731. SEASONINGS—NAMELY, SAGE AND SPECIALLY PROCESSED SEASONINGS FOR PORK AND BEANS, ETC. THE GRIFFITH LABORATORIES, INC., doing business as The Griffith Laboratories, Chicago, Ill.
Filed January 2, 1948. Serial No. 510,170. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,732. ELECTRIC CONNECTORS, ELECTRIC CONDUCTORS, AND ELECTRIC RAIL BONDS. THE OHIO BRASS COMPANY, Mansfield, Ohio.
Filed September 29, 1947. Serial No. 511,570. PUBLISHED SEPTEMBER 14, 1948. Class 21.

504,733. WATER CANS AND HEAT INSULATED WATER COOLERS USED IN THE OIL INDUSTRY FOR TRANSPORTING DRINKING WATER. LUTHER COVEY, doing business as Covey Sheet Metal Works, Holdenville, Okla.
Filed September 9, 1947. Serial No. 513,031. PUBLISHED SEPTEMBER 14, 1948. Class 2.

504,734. ELECTRICALLY OPERATED TIME CONTROLLED FOLLOW-UP CARD HOLDING AND DESIGNATING MACHINES. THE PENNZOIL COMPANY, Oil City, Pa.
Filed July 28, 1947. Serial No. 514,133. PUBLISHED SEPTEMBER 7, 1948. Class 26.

504,735. HOUSEHOLD UTILITY BUCKET-TYPE PLASTIC REFUSE OR UTILITY CONTAINER. AMIE L. JOSEPH, New York, N. Y.
Filed August 1, 1947. Serial No. 514,456. PUBLISHED SEPTEMBER 14, 1948. Class 2.

504,736. ELECTRICAL APPARATUS—NAMELY, ELECTRIC TRANSFORMERS, ELECTRIC WELDERS, ELECTRIC MOTORS, ELECTRIC SWITCHBOARDS, AND ELECTRIC GENERATORS. GREGORY ELECTRIC COMPANY, Chicago, Ill.
Filed August 30, 1947. Serial No. 515,874. PUBLISHED SEPTEMBER 14, 1948. Class 21.

504,737. CANDY. THE RICHARDS-SCHEBLE CANDY COMPANY, Hutchinson, Kans.
Filed August 25, 1947. Serial No. 516,035. PUBLISHED AUGUST 24, 1948. Class 46.

504,738. FRESH POTATOES. QUEEN CREEK POTATO GROWERS ASSOCIATION, Phoenix, Ariz.
Filed September 2, 1947. Serial No. 516,430. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,739. MICRO-PROJECTORS, AUXILIARY POWER UNITS THEREFOR, ETC. SCOPICON INC., New York, N. Y.
Filed August 6, 1947. Serial No. 516,735. PUBLISHED SEPTEMBER 14, 1948. Class 26.

504,740. WATER BATHS USED IN PREPARING HISTOLOGICAL SPECIMENS FOR MICRO-SLIDES. THE TECHNICON CO., New York, N. Y.
Filed August 28, 1947. Serial No. 517,930. PUBLISHED SEPTEMBER 14, 1948. Class 26.

504,741. CANNED APPLE SAUCE AND CANNED PEAS. LYNDONVILLE CANNING COMPANY, INC., Lyndonville, N. Y.
Filed October 10, 1947. Serial No. 518,086. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,742. ICE CREAM CONFECTION. I. C. PARKER, Fort Worth, Tex.
Filed December 30, 1947. Serial No. 518,317. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,743. ICE CREAM CONFECTION. I. C. PARKER, Fort Worth, Tex.
Filed December 30, 1947. Serial No. 519,412. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,744. ICE CREAM TOPPINGS, CAKE MIXTURES, JELLY POWDERS, DESSERT POWDERS, AND POWDERED PIE FILLINGS. SHERIFF'S LIMITED, Toronto, Ontario, Canada.
Filed September 15, 1947. Serial No. 519,493. PUBLISHED AUGUST 31, 1948. Class 46.

504,745. ELECTRICAL HEATING UNITS OF THE RESISTANCE WIRE COIL TYPE, BOTH SHEATHED AND UNSHEATHED, INCLUDING SURFACE AND OVEN HEATING UNITS FOR RANGES, ETC. TUTTLE & KIFT, INC., Chicago, Ill.
Filed October 1, 1947. Serial No. 520,480. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,746. A PLASTIC GAUGING MATERIAL IN THE FORM OF STICKS TO BE SQUEEZED BETWEEN A BEARING AND A SHAFT, ETC. PERFECT CIRCLE CORPORATION, Hagerstown, Ind.
Filed September 24, 1947. Serial No. 521,820. PUBLISHED SEPTEMBER 7, 1948. Class 26.

504,747. CHEESE SPREAD, CONSISTING OF AGED CHEDDAR CHEESE WITH PIMENTOS AND SPICES ADDED. AVALON DAIRIES, INC., Nashville, Tenn.
Filed September 3, 1947. Serial No. 522,848. PUBLISHED AUGUST 31, 1948. Class 46.

504,748. ELECTRICAL CUTOUTS. W. N. MATTHEWS CORPORATION, St. Louis, Mo.
Filed July 5, 1947. Serial No. 522,896. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,749. OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES, SUN GLASSES, EYE SHADES, FRAMES, MOUNTINGS, AND PARTS THEREOF. CHARLES FOSTER & CO., New York, N. Y., assignor to Charles Foster & Co., Inc., New York, N. Y., a corporation of New York.
Filed August 16, 1947. Serial No. 524,969. PUBLISHED SEPTEMBER 14, 1948. Class 26.

504,750. MUSLIN IN THE PIECE. DUMARI TEXTILE CO., INC., New York, N. Y.
Filed October 25, 1947. Serial No. 525,801. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,751. FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES. BEN E. KEITH, doing business as Ben E. Keith Company, Fort Worth, Tex.
Filed October 14, 1947. Serial No. 526,245. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,752. BAKING SODA (BICARBONATE OF SODA) AND BAKING POWDER, EACH FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,800. PUBLISHED AUGUST 24, 1948. Class 46.

504,753. BAGS MADE FROM LAMINATED MATERIAL COMPOSED OF LAYERS OF TEXTILE AND PAPER. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 526,844. PUBLISHED SEPTEMBER 14, 1948. Class 2.

504,754. JELLIES, JAMS, FRUIT BUTTERS, FRUIT PRESERVES, PRESERVED FRUITS, MAPLE SYRUP, OLIVES, SALAD DRESSING, AND PEANUT BUTTER. BLANKE-BAER EXTRACT & PRESERVING COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,320. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,755. MIXTURE FOR USE WITH MILK AS A MALTED FOOD DRINK. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed July 5, 1947. Serial No. 527,441. PUBLISHED AUGUST 31, 1948. Class 46.

504,756. FRESH EGGS. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed July 5, 1947. Serial No. 527,483. PUBLISHED AUGUST 31, 1948. Class 46.

504,757. FOOD SAVORING POWDERS COMPRISING MONO SODIUM GLUTAMATE. INTERNATIONAL MINERALS AND CHEMICAL CORPORATION, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,497. PUBLISHED AUGUST 24, 1948. Class 46.

504,758. PILLOW AND MATTRESS COVERS. TALON, INC., Meadville, Pa.
Filed July 5, 1947. Serial No. 527,901. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,759. ELECTRIC TRANSFORMERS. MAGUIRE INDUSTRIES, INCORPORATED, New York, N. Y., and Chicago, Ill.
Filed July 19, 1947. Serial No. 528,936. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,760. SPICES—NAMELY, SAGE, MUSTARD, GINGER, BLACK PEPPER, ALLSPICE, NUTMEG, CINNAMON, AND CLOVES; AND BUTTERSCOTCH AND CHOCOLATE FLAVORED PUDDING POWDER. K K K MEDICINE COMPANY, Keokuk, Iowa.
Filed July 25, 1947. Serial No. 529,469. PUBLISHED AUGUST 31, 1948. Class 46.

504,761. PROJECTION LENSES. BELL & HOWELL COMPANY, Chicago, Ill.
Filed July 26, 1947. Serial No. 529,562. PUBLISHED SEPTEMBER 14, 1948. Class 26.

504,762. PROJECTOR STANDS. BELL & HOWELL COMPANY, Chicago, Ill.
Filed July 26, 1947. Serial No. 529,571. PUBLISHED SEPTEMBER 14, 1948. Class 26.

504,763. NOODLES. THE DAN-DEE PRETZEL AND POTATO CHIP COMPANY, Cleveland, Ohio.
Filed July 26, 1947. Serial No. 529,608. PUBLISHED AUGUST 24, 1948. Class 46.

504,764. LIQUID LEVEL COLUMNS, LIQUID LEVEL CONTROLS, LIQUID LEVEL SAFETY ALARMS, LIQUID LEVEL INDICATORS, AND REMOTE READING LIQUID LEVEL GAGES. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio.
Filed July 26, 1947. Serial No. 529,698. PUBLISHED SEPTEMBER 14, 1948. Class 26.

504,765. FRESH TOMATOES. BOB SHIBA, Orosi, Calif.
Filed July 26, 1947. Serial No. 529,714. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,766. PILE FABRICS IN THE PIECE COMPOSED OF ALPACA AND COTTON. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y.
Filed August 2, 1947. Serial No. 530,282. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,767. PILE FABRICS IN THE PIECE COMPOSED OF MOHAIR AND COTTON. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y.
Filed August 2, 1947. Serial No. 530,288. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,768. PILE FABRICS IN THE PIECE COMPOSED OF MOHAIR AND COTTON. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y.
Filed August 2, 1947. Serial No. 530,293. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,769. FRESH DECIDUOUS FRUITS. WENATCHEE-BEEBE ORCHARD CO., Wenatchee, Wash.
Filed August 2, 1947. Serial No. 530,353. PUBLISHED AUGUST 24, 1948. Class 46.

504,770. HOLLANDAISE SAUCE, BEARNAISE SAUCE, AND CANNED BABAS IN RUM (FRENCH RUM CAKES). MAURICE BERTAUCHE, San Anselmo, Calif.
Filed August 5, 1947. Serial No. 530,457. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,771. BREAD (WHITE, RYE, POTATO, RAISIN CINNAMON, CRACKED WHEAT, WHEAT). JOHNSON BISCUIT COMPANY, Sioux City, Iowa.
Filed August 5, 1947. Serial No. 530,515. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,772. BABY CHICKS. DE FOREST HATCHERY & POULTRY FARM, INC., Peabody, Kans.
Filed August 6, 1947. Serial No. 530,629. PUBLISHED AUGUST 24, 1948. Class 46.

504,773. SALTED AND PLAIN NUT MEATS. THE KELLING NUT CO., Chicago, Ill.
Filed August 6, 1947. Serial No. 530,646. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,774. MAYONNAISE DRESSING, RUSSIAN DRESSING, AND A RELISH INCLUDING A COMBINATION MAYONNAISE AND CHOPPED SWEET PICKLES. THE C. F. SAUER COMPANY, Richmond, Va.
Filed August 8, 1947. Serial No. 530,852. PUBLISHED AUGUST 24, 1948. Class 46.

504,775. VOLTAGE REGULATORS AND VARIABLE VOLTAGE TRANSFORMERS. ACME ELECTRIC CORPORATION, Cuba, N. Y.
Filed August 9, 1947. Serial No. 530,890. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,776. ELECTRICALLY OPERATED FLOOR POLISHERS AND CLEANERS. MULTI-CLEAN PRODUCTS, INCORPORATED, St. Paul, Minn.
Filed August 11, 1947. Serial No. 531,047. PUBLISHED SEPTEMBER 14, 1948. Class 21.

504,777. MALTED MILK AND ICE CREAM. WALGREEN CO., Chicago, Ill.
Filed August 11, 1947. Serial No. 531,067. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,778. PHOTOGRAPHIC LENSES. BELL & HOWELL COMPANY, Chicago, Ill.
Filed August 14, 1947. Serial No. 531,293. PUBLISHED SEPTEMBER 14, 1948. Class 26.

504,779. ELECTRIC VACUUM CLEANERS. UNITED UTILITIES & SPECIALTY CORPORATION, Boston, Mass.
Filed August 15, 1947. Serial No. 531,553. PUBLISHED AUGUST 31, 1948. Class 21.

504,780. INSTRUMENT FOR TESTING AND ANALYSING CIRCUIT BREAKERS. CINCINNATI CLOCK & INSTRUMENT CO., Cincinnati, Ohio.
Filed August 18, 1947. Serial No. 531,652. PUBLISHED SEPTEMBER 14, 1948. Class 26.

504,781. OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES, SUN GLASSES, EYE SHADES, FRAMES, MOUNTINGS, AND PARTS THEREOF. CHARLES FOSTER & CO., New York, N. Y., assignor to Charles Foster & Co., Inc., New York, N. Y., a corporation of New York.
Filed August 18, 1947. Serial No. 531,658. PUBLISHED SEPTEMBER 14, 1948. Class 26.

504,782. RADIO RECEIVING SETS AND RADIO PHONOGRAPH COMBINATION SETS, INCLUDING CABINETS THEREFOR. THE MAGNAVOX COMPANY, Fort Wayne, Ind.
Filed August 22, 1947. Serial No. 532,144. PUBLISHED APRIL 6, 1948. Class 21.

504,783. CANNED OLIVES. C. M. GIFFORD & SONS, San Diego, Calif.
Filed August 23, 1947. Serial No. 532,220. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,784. SALT AND PEPPER SHAKER SETS FORMED OF SYNTHETIC RESINOUS COMPOSITIONS. STERLING PLASTICS CO., Union, N. J.
Filed August 30, 1947. Serial No. 532,967. PUBLISHED SEPTEMBER 14, 1948. Class 2.

504,785. ELECTRIC AIR CIRCULATING FANS. SIGNAL ELECTRIC MANUFACTURING CO., Menominee, Mich.
Filed September 4, 1947. Serial No. 533,410. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,786. DUSTING MEAL MADE FROM CORN AND USED BY BAKERS. CHAS. A. KRAUSE MILLING CO., Milwaukee, Wis.
Filed September 10, 1947. Serial No. 534,025. PUBLISHED AUGUST 24, 1948. Class 46.

504,787. FOOD FLAVORING EXTRACTS. REX EXTRACT COMPANY, INC., Brooklyn, N. Y.
Filed September 10, 1947. Serial No. 534,056. PUBLISHED AUGUST 24, 1948. Class 46.

504,788. SYNCHRONOUS ELECTRICAL ANGULAR MOTION TRANSMITTERS AND REPEATERS. FORD INSTRUMENT COMPANY, INC., Long Island City, N. Y.
Filed September 12, 1947. Serial No. 534,265. PUBLISHED AUGUST 24, 1948. Class 21.

504,789. CANDY. THE MASON CANDY COMPANY, Trinidad, Colo.
Filed September 12, 1947. Serial No. 534,300. PUBLISHED AUGUST 24, 1948. Class 46.

504,790. BEEF AND SHEEP CASINGS USED FOR SAUSAGE CONTAINERS. INTERNATIONAL COMMERCIAL CO., INC., Chicago, Ill., now by change of name International Packers Commercial Co. Inc., a corporation of Delaware.
Filed September 15, 1947. Serial No. 534,534. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,791. CANNED ABALONE. HARRY ORFANOS, Calexico, Calif.
Filed September 15, 1947. Serial No. 534,546. PUBLISHED AUGUST 31, 1948. Class 46.

504,792. TEXTILE RUGS AND CARPETS. HUGH NELSON-COLUMBIA CARPET MILLS, INC., Philadelphia, Pa.
Filed September 17, 1947. Serial No. 534,801. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,793. IGNITION COILS AND REPLACEMENT IGNITION COILS. WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del.
Filed September 17, 1947. Serial No. 534,848. PUBLISHED SEPTEMBER 14, 1948. Class 21.

504,794. FRESH APPLES AND PEARS. ONEONTA TRADING CORPORATION, Wenatchee, Wash.
Filed September 18, 1947. Serial No. 534,918. PUBLISHED AUGUST 24, 1948. Class 46.

504,795. FLOOD LIGHTING EQUIPMENT, MERCURY INDUSTRIAL LIGHTING FIXTURES, FLUORESCENT LIGHTING FIXTURES, INDUSTRIAL AND COMMERCIAL; AND INCANDESCENT LIGHTING FIXTURES, INDUSTRIAL AND COMMERCIAL. SMOOT-HOLMAN COMPANY, Inglewood, Calif.
Filed September 20, 1947. Serial No. 535,190. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,796. FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed September 23, 1947. Serial No. 535,331. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,797. KNITTED FABRICS MADE OF COTTON, RAYON, NYLON, WOOL, AND COMBINATIONS THEREOF. BARBET MILLS, INCORPORATED, Gastonia, N. C.
Filed September 24, 1947. Serial No. 535,457. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,798. PIANOS AND NON-ELECTRICAL PHONOGRAPHS. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa.
Filed September 24, 1947. Serial No. 535,647. PUBLISHED SEPTEMBER 14, 1948. Class 36.

504,799. MUSTARD. CRISTINA SACHNENKO, New York, N. Y.
Filed September 25, 1947. Serial No. 535,750. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,800. UPHOLSTERY, DRAPERY, AND DECORATIVE FABRICS, IN THE PIECE, OF COTTON, LINEN, JUTE, WOOL, MOHAIR, AND SYNTHETIC FIBERS, AND COMBINATIONS THEREOF. LOUISVILLE TEXTILES, INCORPORATED, Louisville, Ky.
Filed September 29, 1947. Serial No. 536,108. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,801. CANNED CORN. F. O. MITCHELL & BRO. INC., Perryman, Md.
Filed September 29, 1947. Serial No. 536,119. PUBLISHED AUGUST 31, 1948. Class 46.

504,802. TEXTILE FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS. BENROSE FABRICS CORPORATION, New York, N. Y.
Filed October 2, 1947. Serial No. 536,484. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,803. TEXTILE FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS. BENROSE FABRICS CORPORATION, New York, N. Y.
Filed October 2, 1947. Serial No. 536,487. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,804. MUSIC STANDS. KRAUTH & BENNINGHOFEN, Hamilton, Ohio.
Filed October 8, 1947. Serial No. 537,198. PUBLISHED SEPTEMBER 14, 1948. Class 36.

504,805. ICE CREAM STABILIZER. NATIONAL PECTIN PRODUCTS COMPANY, Chicago, Ill.
Filed October 10, 1947. Serial No. 537,476. PUBLISHED AUGUST 24, 1948. Class 46.

504,806. ELECTRIC VACUUM CLEANERS. MODERN HYGIENE CORPORATION, Boston, Mass.
Filed October 14, 1947. Serial No. 537,810. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,807. PURE COUNTRY SORGHUM. THE TORBITT & CASTLEMAN COMPANY, Louisville, Ky.
Filed October 14, 1947. Serial No. 537,840. PUBLISHED AUGUST 24, 1948. Class 46.

504,808. PURE COUNTRY SORGHUM. THE TORBITT & CASTLEMAN COMPANY, Louisville, Ky.
Filed October 14, 1947. Serial No. 537,841. PUBLISHED AUGUST 24, 1948. Class 46.

504,809. PIECE GOODS OF RAYON. JOSEPH BERLINGER CO., New York, N. Y.
Filed October 16, 1947. Serial No. 537,966. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,810. INTER-COMMUNICATING SOUND AMPLIFYING AND TRANSMITTING SYSTEMS COMPRISING SPEAKERS, AMPLIFIERS, MICROPHONES, INTER-CONNECTING CIRCUITS, AND ENERGIZING DEVICES WHEREBY CONVERSATION AT EITHER POINT MAY BE HEARD AT THE OTHER POINT OF COMMUNICATION. WEBSTER ELECTRIC COMPANY, Racine, Wis.
Filed October 16, 1947. Serial No. 538,058. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,811. CANNED CORN. THE COBCUT COMPANY, St. Louis, Mo.
Filed October 18, 1947. Serial No. 538,245. PUBLISHED AUGUST 28, 1948. Class 46.

504,812. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed October 21, 1947. Serial No. 538,517. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,813. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed October 21, 1947. Serial No. 538,520. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,814. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed October 21, 1947. Serial No. 538,522. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,815. COTTON PIECE GOODS. SAYLES FINISHING PLANTS, INC., Saylesville, R. I.
Filed October 22, 1947. Serial No. 538,663. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,816. RADIO AND TELEPHONE HEADSETS AND EARPHONES, AND GROUP HEARING AIDS, FOR THEATRES, CHURCHES, AND SIMILAR USE. TRIMM, INC., Libertyville, Ill.
Filed October 22, 1947. Serial No. 538,676. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,817. CANDY. ADAMS CANDY COMPANY, Dallas, Tex.
Filed October 23, 1947. Serial No. 538,699. PUBLISHED AUGUST 24, 1948. Class 46.

504,818. COATED COTTON PIECE GOODS. BROOKFIELD MILLS, INC., East Brookfield, Mass.
Filed October 23, 1947. Serial No. 538,716. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,819. MOTOR VEHICLE ACCESSORIES, AS FOLLOWS: ELECTRICAL VEHICLE LAMPS—NAMELY, SPOTLIGHTS, ETC. DORAY LAMP CO., INC., Chicago, Ill.
Filed October 23, 1947. Serial No. 538,731. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,820. PIECE GOODS COMPOSED OF COTTON, RAYON, SILK, WOOL, AND MIXTURES OF THESE FIBRES; COMFORTS, BEDSPREADS, COUNTERPANES, WINDOW CURTAINS, QUILTS, TABLE CLOTHS, AND TABLE RUNNERS. WM. O'HANLON & CO. LIMITED, Manchester, England.
Filed October 27, 1947. Serial No. 539,202. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,821. FROZEN FRESH SHRIMP. TEXAS GULFSTREAM INDUSTRIES, INC., Aransas Pass, Tex.
Filed October 28, 1947. Serial No. 539,367. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,822. RAYON PIECE GOODS. MARTIN WEINER, doing business as Martin Weiner Co., New York, N. Y.
Filed October 29, 1947. Serial No. 539,461. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,823. RADIO RECEIVING SETS. HARDEN ASSOCIATES, INC., New York, N. Y.
Filed October 30, 1947. Serial No. 539,515. PUBLISHED AUGUST 17, 1948. Class 21.

504,824. CONCENTRATED FOOD PRODUCT, CONSISTING OF A MIXTURE OF VITAMINS, MILK AND MINERALS IN THE FORM OF A DRY PREMIX TO BE ADDED TO THE FEED OF MILK OR MEAT PRODUCING ANIMALS AND POULTRY. THE JERSEE COMPANY, Minneapolis, Minn.
Filed July 5, 1947. Serial No. 530,593. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,825. PLASTIC FILM, IN THE PIECE, FOR MAKING INTO CURTAINS, APRONS, LAMPSHADE COVERS, BABY PANTS, AND THE LIKE. ELM COATED FABRICS CO., New York, N. Y.
Filed November 3, 1947. Serial No. 539,947. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,826. RADIO RECEIVING SETS, RADIO RECEIVING APPARATUS—NAMELY, AUDIO FREQUENCY TRANSFORMERS, INTERMEDIATE FREQUENCY TRANSFORMERS, ETC. SCOTT RADIO LABORATORIES INCORPORATED, Chicago, Ill.
Filed November 7, 1947. Serial No. 540,462. PUBLISHED SEPTEMBER 14, 1948. Class 21.

504,827. WOOLEN AND WORSTED APPAREL FABRICS. M. SIGEL & SONS, Boston, Mass.
Filed November 7, 1947. Serial No. 540,464. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,828. PLASTIC WARDROBE BAGS, PAPER BAGS, PAPER CUPS, PLASTIC REFRIGERATOR BAGS, PLASTIC HAT BOXES AND PASTEBOARD TISSUE BOXES. HOUSEHOLD PAPER PRODUCTS CO., Detroit, Mich.
Filed October 31, 1947. Serial No. 540,510. PUBLISHED SEPTEMBER 14, 1948. Class 2.

504,829. ELECTRIC GENERATORS AND DIESEL ELECTRIC GENERATOR SETS AND PARTS FOR SAID PRODUCTS. CATERPILLAR TRACTOR CO., Peoria, Ill.
Filed November 10, 1947. Serial No. 540,642. PUBLISHED SEPTEMBER 14, 1948. Class 21.

504,830. COTTON PIECE GOODS, SHEETS, AND PILLOW CASES. WAMSUTTA MILLS, New Bedford, Mass.
Filed November 10, 1947. Serial No. 540,742. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,831. COTTON PIECE GOODS, SHEETS, AND PILLOW CASES. WAMSUTTA MILLS, New Bedford, Mass.
Filed November 10, 1947. Serial No. 540,743. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,832. SHEETS AND PILLOW CASES. WAMSUTTA MILLS, New Bedford, Mass.
Filed November 10, 1947. Serial No. 540,744. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,833. ELECTRIC COMBINATION BROILER, GRILL, AND WARMING OVEN, AND PARTS THEREOF. ORVILLE E. ECKHOFF, doing business as The Cheesteak Company, San Antonio, Tex.
Filed November 18, 1947. Serial No. 541,523. PUBLISHED SEPTEMBER 14, 1948. Class 21.

504,834. STORAGE BATTERIES. THE CORSAIR COMPANY, Philadelphia, Pa.
Filed November 19, 1947. Serial No. 541,647. PUBLISHED AUGUST 24, 1948. Class 21.

504,835. SPECIALLY PREPARED CEREAL FOODS, ETC. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed July 22, 1947. Serial No. 541,757. PUBLISHED September 7, 1948. Class 46.

504,836. SPECIALLY PREPARED FOOD PRODUCT FOR INFANTS AND INVALIDS CONSISTING OF SOY BEAN FLOUR, VEGETABLE OIL AND ADDED INGREDIENTS, IN POWDER FORM. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed July 22, 1947. Serial No. 541,759. PUBLISHED AUGUST 24, 1948. Class 46.

504,837. WEIGHING SCALES. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed July 31, 1947. Serial No. 541,785. PUBLISHED SEPTEMBER 7, 1948. Class 26.

504,838. WOOLEN BLANKETS; WINDOW CURTAINS AND DRAPES OF COTTON AND/OR RAYON, AND COTTON AND/OR RAYON DRAPERY FABRICS IN THE PIECE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed November 20, 1947. Serial No. 541,825. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,839. RADIO RECEIVING SETS. EMPIRE MANUFACTURING COMPANY, Amarillo, Tex.
Filed November 25, 1947. Serial No. 542,300. PUBLISHED SEPTEMBER 14, 1948. Class 21.

504,840. ELECTRIC METAL-WORKING APPARATUS—NAMELY, MACHINES AND DEVICES FOR ELECTRIC WELDING, ETC. THOMSON ELECTRIC WELDER COMPANY, Lynn, Mass.
Filed November 29, 1947. Serial No. 542,799. PUBLISHED SEPTEMBER 14, 1948. Class 21.

504,841. ELECTRICAL DEVICES—NAMELY, SOLENOIDS, RECTIFIERS, AND SELECTOR SWITCHES. G. H. LELAND, INC., Dayton, Ohio.
Filed December 1, 1947. Serial No. 542,853. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,842. RADIO ANTENNA. THE WARD PRODUCTS CORPORATION, Cleveland, Ohio.
Filed December 2, 1947. Serial No. 542,981. PUBLISHED SEPTEMBER 7, 1948. Class 21.

504,843. MECHANICALLY GROOVED PHONOGRAPH RECORDS AND RECORD BLANKS AND FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS SOLD IN ALBUM SETS. COLUMBIA RECORDS INC., Bridgeport, Conn.
Filed December 17, 1947. Serial No. 544,550. PUBLISHED SEPTEMBER 14, 1948. Class 36.

504,844. LINEN, COTTON, SILK, RAYON, AND MIXED PIECE GOODS. EVERFAST FABRICS, INC., New York, N. Y.
Filed January 5, 1948. Serial No. 546,206. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,845. WOOLEN PIECE GOODS. ALEXANDER WOOLEN CO., Chicago, Ill.
Filed January 7, 1948. Serial No. 546,338. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,846. FABRICS IN THE PIECE MADE OF RAYON. PONDEL FABRICS, INC., Pawtucket, R. I., assignor to Charles W. Carvin Co., Inc., New York, N. Y., a corporation of New York.
Filed January 9, 1948. Serial No. 546,604. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,847. COTTON PIECE GOODS. CONE EXPORT AND COMMISSION CO., INC., New York, N. Y.
Filed January 10, 1948. Serial No. 546,649. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,848. FABRICS IN THE PIECE, MADE OF COTTON. STOFFEL & CO., INC., New York, N. Y.
Filed January 10, 1948. Serial No. 546,733. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,849. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, WOOL, WORSTED, AND COMBINATIONS THEREOF. SHIRLEY FABRICS CORP., New York, N. Y.
Filed January 21, 1948. Serial No. 547,670. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,850. SHEETS AND PILLOW CASES. PACIFIC MILLS, New York, N. Y., and Boston, Mass.
Filed January 23, 1948. Serial No. 547,871. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,851. WATERPROOF MATERIAL USED FOR CONVERTIBLE AUTOMOBILE TOPS MADE OF LAYERS OF RUBBER AND LINING CLOTH MATERIAL. ATLANTIC MERCANTILE COMPANY, New York, N. Y.
Filed January 24, 1948. Serial No. 547,887. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,852. MATTRESS COVERS, WINDOW CURTAINS, DRAPERIES, AND BED SPREADS. DENISON MATTRESS FACTORY, Denison, Tex.
Filed February 5, 1948. Serial No. 548,809. PUBLISHED SEPTEMBER 7, 1948. Class 42.

504,853. PIECE GOODS OF COTTON, SILK, RAYON, NYLON, LINEN, HEMP, WOOL, WORSTED, OR HAIR, OR MIXTURES OF THESE MATERIALS. THE CALICO PRINTERS' ASSOCIATION LIMITED, Manchester, Enland.
Filed February 12, 1948. Serial No. 549,507. PUBLISHED SEPTEMBER 7, 1948. Class 42.

Service Marks

504,854. RAILWAY FREIGHT AND PASSENGER TRANSPORTATION SERVICES. CHICAGO AND NORTH WESTERN RAILWAY COMPANY, Chicago, Ill.
Filed July 7, 1947. Serial No. 528,058. PUBLISHED SEPTEMBER 14, 1948. Class 55.

504,855. RAILWAY FREIGHT AND PASSENGERS TRANSPORTATION SERVICES. CHICAGO AND NORTH WESTERN RAILWAY COMPANY, Chicago, Ill.
Filed July 7, 1947. Serial No. 528,059. PUBLISHED SEPTEMBER 14, 1948. Class 55.

504,856. REBUILDING RAIL ENDS BY ADDING WELD METAL AND GRINDING, ETC. TELEWELD, INC., Chicago, Ill.
Filed August 2, 1947. Serial No. 530,350. PUBLISHED SEPTEMBER 14, 1948. Class 55.

504,857. SERVICES AS A BROKER IN SUGARS, SYRUPS, AND MOLASSES. B. W. DYER & COMPANY, New York, N. Y.
Filed August 18, 1947. Serial No. 531,654. PUBLISHED SEPTEMBER 14, 1948. Class 55.

504,858. FIRE AND CASUALTY INSURANCE. HARDWARE DEALERS MUTUAL FIRE INSURANCE COMPANY, Stevens Point, Wis.
Filed August 29, 1947. Serial No. 532,825. PUBLISHED SEPTEMBER 14, 1948. Class 55.

504,859. SERVICES IN CONNECTION WITH THE BROKERAGE OF REAL ESTATE, INDUSTRIAL BROKERAGE, FARM BROKERAGE, MORTGAGE BROKERAGE, IN THE APPRAISAL OF REAL ESTATE, MANAGEMENT OF REAL ESTATE, IN THE BUILDING OF STRUCTURES ON REAL ESTATE, ETC. NATIONAL ASSOCIATION OF REAL ESTATE BOARDS, Chicago, Ill.
Filed July 17, 1947. Serial No. 540,011. PUBLISHED SEPTEMBER 14, 1948. Class 55.

Certification Marks

504,860. ELECTRICAL EQUIPMENT—NAMELY, ELECTRON TUBES, RESISTORS, CAPACITORS, AND CONDENSERS. UNITED STATES WAR DEPARTMENT, Washington, D. C.
Filed September 17, 1947. Serial No. 534,843. PUBLISHED AUGUST 24, 1948. Class 21.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

504,861. (CLASS 38. PRINTS AND PUBLICATIONS.) POPULAR MECHANICS COMPANY, Chicago, Ill. Filed Nov. 5, 1947. Serial No. 487,143.

MECANICA POPULAR

Applicant claims ownership of registration No. 101,201.
FOR MONTHLY PERIODICAL.
Claims use since July 16, 1945.

504,862. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS-WIENER COMPANY, Memphis, Tenn.
Filed Oct. 22, 1947. Serial No. 512,545.

SUPER BUBBLE

FOR CHEWING GUM.
Claims use since Sept. 6, 1946.

504,863. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL COAL ASSOCIATION, Washington, D. C. Filed Aug. 30, 1948. Serial No. 512,980.

COAL Heating Service

FOR BULLETIN PUBLISHED FROM TIME TO TIME, DEVOTED TO COAL HEATING.
Claims use since Nov. 1, 1946.

504,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASCADIAN FRUIT SHIPPERS, INC., doing business as Cascadian Sales, Wenatchee, Wash. Filed Dec. 13, 1947. Serial No. 514,006.



No claim is made to the representation of the label apart from the mark.
FOR FRESH DECIDUOUS FRUITS.
Claims use since Aug. 25, 1945.

504,865. (CLASS 38. PRINTS AND PUBLICATIONS.) METRONOME CORPORATION, New York, N. Y. Filed Sept. 11, 1948. Serial No. 514,666.

Music Dealer

FOR MONTHLY MUSICAL PUBLICATION.
Claims use since Dec. 13, 1946.

504,866. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT L. GADDY, doing business as R. L. Gaddy, Pharmacist, Jacksonville, Fla. Filed Sept. 4, 1947. Serial No. 514,950.

VITA-PEP

FOR MEDICAL PREPARATION—NAMELY, VITAMIN B COMPLEX CAPSULES.
Claims use since Oct. 1, 1945.

504,867. (CLASS 38. PRINTS AND PUBLICATIONS.) JAY EMANUEL PUBLICATIONS, INCORPORATED, Philadelphia, Pa. Filed Aug. 2, 1948. Serial No. 519,266.

EXTRA PROFITS

FOR PUBLICATION ISSUED EVERY FOURTH WEEK.
Claims use since Apr. 24, 1946.

504,868. (CLASS 38. PRINTS AND PUBLICATIONS.) JAY EMANUEL PUBLICATIONS, INCORPORATED, Philadelphia, Pa. Filed Aug. 2, 1948. Serial No. 519,267.

PHYSICAL THEATRE

FOR PUBLICATION ISSUED EVERY FOURTH WEEK.
Claims use since Feb. 13, 1946.

504,869. (CLASS 34. HEATING, LIGHTING AND VENTILATING APPARATUS.) PIERCE BUTLER RADIATOR CORPORATION, doing business as Ames Iron Works, Oswego, N. Y. Filed Jan. 28, 1948. Serial No. 512,926.

AMESTEAM GENERATOR

FOR STEAM GENERATORS FOR POWER, HEATING AND LIKE PURPOSES, USING FLUID FUEL.
Claims use since August 1945.

504,870. (CLASS 38. PRINTS AND PUBLICATIONS.) PLAY-BY-CITE MUSIC, INC., Dallas, Tex. Filed June 7, 1948. Serial No. 522,398.

BANKS Play-By-Cite MUSIC
If You Can See, You can Play It

FOR SERIES OF MUSIC INSTRUCTION BOOKS AND CHARTS.
Claims use since Dec. 4, 1944.

504,871. (CLASS 38. PRINTS AND PUBLICATIONS.) JAMES LEES AND SONS COMPANY, Bridgeport, Conn. Filed July 27, 1948. Serial No. 524,243.

Lees

FOR HOUSE ORGAN PUBLISHED AT IRREGULAR INTERVALS.
Claims use since 1945.

504,872. (CLASS 38. PRINTS AND PUBLICATIONS.) KALMBACH PUBLISHING COMPANY, Milwaukee, Wis. Filed June 9, 1948. Serial No. 524,401.

Ships & Sailing

FOR MAGAZINE OF GENERAL CIRCULATION RELATING TO SHIPS AND SAILING.
Claims use since May 5, 1947.

504,873. (CLASS 38. PRINTS AND PUBLICATIONS.) MENUS, INC., Minneapolis, Minn. Filed July 15, 1948. Serial No. 529,078.

MENUS, inc.

FOR PRINTED AND LITHOGRAPHED MENUS AND BILLS OF FARE.
Claims use since July 10, 1947.

504,874. (CLASS 10. FERTILIZERS.) GLENN R. INGELS, doing business as Pellet Feed & Fertilizer Co., Houston, Tex. Filed July 28, 1947. Serial No. 529,770.

PELLET

FOR FERTILIZER FOR FERTILIZING SOIL.
Claims use since July 19, 1947.

504,875. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HAROLD J. SEARER, doing business as Searer Rubber Company, Akron, Ohio. Filed July 31, 1948. Serial No. 530,439.

STEADIFEED

FOR NURSING NIPPLES.
Claims use since May 1947.

504,876. (CLASS 38. PRINTS AND PUBLICATIONS.) ALFRED MAPA, Dallas, Tex. Filed July 28, 1948. Serial No. 530,945.

Al' Mapa

FOR PERSONALIZED AND CARICATURED PRINTED CARDS.
Claims use since July 1, 1947.

504,877. (CLASS 38. PRINTS AND PUBLICATIONS.) JAMES A. FORSYTH, Santa Barbara, Calif. Filed Aug. 2, 1948. Serial No. 531,457.

THIS WEEK IN
Santa Barbara

FOR WEEKLY PERIODICAL.
Claims use since Feb. 28, 1947.

504,878. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH F. MORGAN, doing business as Morgan Citrus Company, Alamo, Tex. Filed June 8, 1948. Serial No. 532,323.

SAN JACINTO

Applicant claims ownership of registration No. 218,030.
FOR FRESH CITRUS FRUITS.
Claims use since July 29, 1925.

504,879. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Aug. 9, 1948. Serial No. 532,359.

TOXADUST

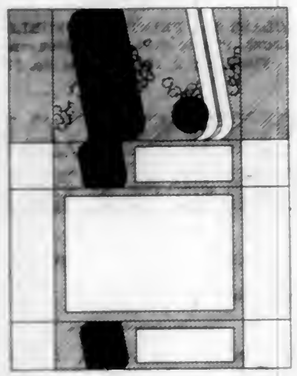
FOR INSECTICIDES.
Claims use since June 2, 1947.

504,880. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Aug. 9, 1948. Serial No. 532,375.

BLIGHTOX

FOR FUNGICIDES.
Claims use since July 1, 1947.

504,881. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) PUREX CORPORATION, LTD., South Gate, Calif. Filed Aug. 28, 1948. Serial No. 533,200.



The drawing is lined for the color green (aqua).
FOR POWDERED CLEANSER FOR GENERAL HOUSEHOLD USE AND ALSO CERTAIN COMMERCIAL USES, SUCH AS IN LAUNDRIES AND IN THE CLEANING OF DAIRY EQUIPMENT.
Claims use since Aug. 23, 1947.

504,882. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) EDWARD J. HANDLER, doing business as Edward Handler & Son, Newark, N. J. Filed July 31, 1948. Serial No. 533,885.

CHUCK-FASTER

FOR DENTAL CHUCK.
Claims use since March 1947.

504,883. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BOIZELLE & EISINGER CORPORATION, Rockville, Md., now by change of name Paul Boizelle Corporation, a corporation of Maryland. Filed Oct. 27, 1947. Serial No. 539,124.

the Game with an Aim!

FOR BAGATELLE TYPE AMUSEMENT GAME.
Claims use since 1943.

504,884. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BREWER & COMPANY, INC., Worcester, Mass. Filed Sept. 28, 1948. Serial No. 542,217.

LAXATIVE
PHOSPHO QUININE

Applicant claims ownership of registration No. 246,444.
FOR INTERNAL REMEDY FOR TREATMENT OF VARIOUS COLDS, BRONCHIAL TROUBLES, GRIPPE, CATARRAH, NEURALGIA, MALARIAL TROUBLES, CHILLS, FEVERS, AND LAXATIVE FOR ACCOMPANYING COLDS.
Claims use since March 1900.

504,885. (CLASS 38. PRINTS AND PUBLICATIONS.) MATHAIDS MANUFACTURING CO., Syracuse, N. Y. Filed Nov. 25, 1947. Serial No. 542,326.

MATHAIDS

FOR PRINTED EDUCATIONAL MECHANICAL CARD DEVICES FOR TEACHING AND LEARNING ELEMENTARY ARITHMETIC.
Claims use since Sept. 15, 1939.

504,886. (CLASS 38. PRINTS AND PUBLICATIONS.) COLOR-CRAFT, INC., Washington, D. C. Filed July 6, 1948. Serial No. 542,844.

Color - Craft

Applicant claims ownership of registration No. 239,189.
FOR WINDOW POSTERS, PRINTED WINDOW ADVERTISING, CHRISTMAS CARDS, DISPLAY CARDS, COUNTER CARDS, AND PRINTED SIGNS ALL SOLD AS SUCH.
Claims use since Sept. 1, 1926.

504,887. (CLASS 2. RECEPTACLES.) THE LIN-BREN PRODUCTS CORPORATION, Mamaroneck, N. Y. Filed Sept. 21, 1948. Serial No. 543,305.

Lin-Bren

FOR EMPTY COMPACTS, NOT MADE OF PRECIOUS METAL.
Claims use since July 11, 1947.

504,888. (CLASS 38. PRINTS AND PUBLICATIONS.) LINDA LAURINE TRIMBLE, New York, N. Y. Filed Sept. 10, 1948. Serial No. 543,762.

TRIMBLE TRENDS

FOR PERIODICAL PUBLICATIONS PRINTED FROM TIME TO TIME.
Claims use since Aug. 15, 1947.

504,889. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Aug. 13, 1948. Serial No. 547,824.

AIR-N-DURE

FOR FABRICS OF COTTON, LINEN, SILK, WOOL, AND SYNTHETIC FIBERS OR COMBINATIONS THEREOF.
Claims use since Dec. 2, 1946.

TRADE-MARK REGISTRATIONS RENEWED

32,341. "QUEEN QUALITY" AND DESIGN. Registered Jan. 10, 1899. Thomas G. Plant Company, Boston, Mass. Re-renewed Jan. 10, 1949, to International Shoe Company, St. Louis, Mo., a corporation of Delaware. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS AND SHOES. Class 39.

66,633. "DR BENGUÉ" AND CIRCULAR OUTLINE. Registered Dec. 17, 1907. Jules Bengué, Paris, France. Re-renewed Dec. 17, 1947, to Bengué, Inc., Union City, N. J., a corporation of New Jersey. BALSAMS, PURGATIVES, PASTILS, AND ANESTHETICS. Class 6.

70,518. "FANCHON" ETC. Registered Sept. 8, 1908. The C. Hoffman & Son Milling Company, Enterprise, Kans. Re-renewed Sept. 8, 1948, to Flour Mills of America, Inc., Kansas City, Mo., a corporation of Delaware. WHEAT-FLOUR. Class 46.

70,999. MONASTERY. Registered Oct. 20, 1908. The Patterson-Sargent Company, Cleveland, Ohio, a corporation of Ohio. Re-renewed Oct. 20, 1948. PAINTS, STAINS, ENAMELS, LACS, VARNISHES, AND FILLERS. Class 16.

71,552. "VERITABLE BENEDICTINE" ETC. AND DESIGN. Registered Dec. 1, 1908. Société Anonyme de la Distillerié de la Liqueur Benedictine de l'Abbaye de Fecamp. Re-renewed Dec. 1, 1948, to Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France, a corporation organized under the laws of the Republic of France. LIQUEUR CALLED BENEDICTINE. Class 49.

71,553. "VÉRITABLE BÉNÉDICTINE" ETC. AND DESIGN. Registered Dec. 1, 1908. Société Anonyme de la Distillerié de la Liqueur Benedictine de l'Abbaye de Fecamp. Re-renewed Dec. 1, 1948, to Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France, a corporation organized under the laws of the Republic of France. LIQUEUR CALLED BENEDICTINE. Class 49.

71,554. "LA BÉNÉDICTINE" ETC. Registered Dec. 1, 1908. Société Anonyme de la Distillerié de la Liqueur Benedictine de l'Abbaye de Fecamp. Re-renewed Dec. 1, 1948, to Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France, a corporation organized under the laws of the Republic of France. LIQUEUR CALLED BENEDICTINE. Class 49.

127,423. THE JAMES. Registered Nov. 11, 1919. The James Cycle Co. Limited, Birmingham, England, a corporation organized under the laws of Great Britain. Renewed Nov. 11, 1939 (as provided by P. L. 517, July 17, 1946). BICYCLES, MOTORCYCLES, TRICYCLES AND SIDE CARS. Classes 19 and 22.

148,578. FOLBERTH. Registered Nov. 15, 1921. The Folberth Auto Specialty Co., Cleveland, Ohio. Renewed Jan. 5, 1948 (Supplemental Register), to Trico Products Corporation, Buffalo, N. Y., a corporation of New York. WINDSHIELD-CLEANERS. Class 19.

206,585. OLD HICKORY. Registered Dec. 8, 1925. Smoked Products Company, Cincinnati, Ohio. Renewed Dec. 8, 1945, to Cutler-Magner Company, Duluth, Minn., a corporation of Minnesota. SALT. Class 46.

223,855. ROSITO. Registered Feb. 15, 1927. Romani Simonini Toschi & Co., San Francisco, Calif. Renewed Feb. 15, 1947, to Simonini, Toschi & Guidi, Lucca, Italy, a firm of Italy. OLIVE OIL. Class 46.

240,812. Q- -ZEMA. Registered Apr. 10, 1928. J. E. Wilkinson, Jr., doing business as Q-Zema Chemical Company, Prattville, Ala. Renewed Apr. 10, 1948. PREPARATION FOR THE TREATMENT OF SKIN DISEASES. Class 6.

248,083. "QUAKER" ETC. AND DESIGN LINED FOR BLUE AND YELLOW. Registered Oct. 16, 1928. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 16, 1948. CHLORINATED LIME. Class 6.

248,514. MA'S ANTE-BELLUM. Registered Oct. 23, 1928. Lill Cannon, Bowersville, Ga. Renewed Oct. 23, 1948. BREAD. Class 46.

248,671. "BROWNING FN" ETC. AND DRAWING. Registered Oct. 30, 1928. Browning Brothers Company. Renewed Oct. 30, 1948, to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah. AUTOMATIC SHOTGUNS. Class 9.

248,733. "ROMAN STRIPE" AND UNDERLINE DESIGN. Registered Oct. 30, 1928. Pennsylvania Silk Hosiery Mills, Inc., Bangor, Pa. Renewed Oct. 30, 1948, to Chipman Knitting Mills, West Easton, Pa., a corporation of Pennsylvania. HOSIERY. Class 39.

248,738. "GREAT LAKES" ETC. AND DESIGN LINED FOR RED. Registered Oct. 30, 1928. Great Lakes Dredge & Dock Company, Chicago, Ill., a corporation of New Jersey. Renewed Oct. 30, 1948. PILE DRIVERS, LOCOMOTIVE CRANES, CRAWLER CRANES, CONCRETE MIXERS, ETC. Class 23.

249,035. THOMPSON CNS. Registered Nov. 6, 1928. Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 6, 1948. PUMP SHAFTS AND POPPET VALVES FOR INTERNAL-COMBUSTION ENGINES. Class 23.

249,047. IBIS. Registered Nov. 6, 1928. Isaac Braithwaite & Son, Engineers, Limited, Kendal, England, a corporation organized under the laws of Great Britain. Renewed Nov. 6, 1948. MACHINES FOR WASHING GARMENTS AND FABRICS, WRINGING AND MANGLING MACHINES, AND GARMENT PRESSING MACHINES. Class 24.

249,333. IBIS. Registered Nov. 13, 1928. Isaac Braithwaite & Son, Engineers, Limited, Kendal, England, a corporation organized under the laws of Great Britain. Renewed Nov. 13, 1948. SEWING MACHINES, FELLING MACHINES, DYEING MACHINERY, ETC. Class 23.

249,437. "M-ROID" ETC. AND DESIGN LINED FOR RED AND BLUE. Registered Nov. 13, 1928. Arthur H. Metcalf, doing business as M-Roid Co. Renewed Nov. 13, 1948, to Ada D. Metcalf, New Haven, Conn. OINTMENT FOR VARICOSE VEINS, PILES, AND FISSURES. Class 6.

249,483. "ROCKINGHAM" ETC. AND DESIGN. Registered Nov. 13, 1928. Harry Marks Clothing Company, Inc. Renewed Nov. 13, 1948, to Friedman-Marks Clothing Company, Inc., Richmond, Va., a corporation of Virginia. MEN'S AND BOYS' COATS, VESTS, PANTS, TOPCOATS, AND OVERCOATS OF BOTH WOOLEN AND COTTON CLOTH. Class 39.

249,643. DEBUTANTE. Registered Nov. 20, 1928. New York Merchandise Co., Inc., New York, N. Y., a corporation of New York. Renewed Nov. 20, 1948. HAIR NETS. Class 39.

251,585. FOX MOVIETONE. Registered Jan. 8, 1929. Fox Case Corporation. Renewed Jan. 8, 1949, to Movietonews, Inc., New York, N. Y., a corporation of New York. MOTION PICTURES. Class 26.

251,605. MOVIETONEWS. Registered Jan. 8, 1929. Fox Case Corporation. Renewed Jan. 8, 1949, to Movietonews, Inc., New York, N. Y., a corporation of New York. MOTION PICTURES IN WHICH PICTORIAL ILLUSTRATIONS ARE SYNCHRONIZED WITH REPRODUCTIONS OF SOUNDS. Class 26.

252,083. "ALUMILITE". Registered Jan. 22, 1929. Jaton Manufacturing Corporation. Renewed Jan. 22, 1949, to Marine Canvas Supply Corporation, Brooklyn, N. Y., a corporation of New York. IMPREGNATED FABRICS. Class 42.

252,467. "SELECT" AND DESIGN. Registered Feb. 5, 1929. Norfolk Packing Co., Norfolk, Nebr. Renewed Feb. 5, 1949, to Tolerton & Warfield Co., Sioux City, Iowa, a corporation of Iowa. CANNED VEGETABLES, CANNED PORK AND BEANS, CANNED SAUERKRAUT, CANNED HOMINY. Class 46.

252,742. OUR OWN. Registered Feb. 12, 1929. National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia. Renewed Feb. 12, 1949. WASHBOARDS. Class 24.

252,746. "MAJESTIC" ETC. Registered Feb. 12, 1929. National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia. Renewed Feb. 12, 1949. WASHBOARDS. Class 24.

252,747. "MIDGET" ETC. Registered Feb. 12, 1929. National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia. Renewed Feb. 12, 1949. WASHBOARDS. Class 24.

252,792. SAVOL. Registered Feb. 12, 1929. D. B. Smith & Company, Inc., Utica, N. Y., a corporation of New York. Renewed Feb. 12, 1949. HAND AND POWER OPERATED SPRAYERS, SPRAY PUMPS, FIRE PUMPS, PUMPS, ETC. Class 23.

253,150. THISTLEWEIGHT. Registered Feb. 19, 1929. Campbell, Inc., Chicago, Ill. Renewed Feb. 19, 1949, to Constant Hosiery Mills, Inc., Milwaukee, Wis., a corporation of Wisconsin. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, ESPECIALLY SILK HOSIERY. Class 39.

253,297. ROSE OF KANSAS. Registered Feb. 26, 1929. The Walnut Creek Milling Co., Inc., Great Bend, Kans., a corporation of Kansas. Renewed Feb. 26, 1949. WHEAT FLOUR. Class 46.

253,638. QUEEN QUALITY NURSEASE. Registered Mar. 5, 1929. Thomas G. Plant Corporation, Boston, Mass. Renewed Mar. 5, 1949, to International Shoe Company, St. Louis, Mo., a corporation of Delaware. MEN'S, WOMEN'S AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS OF LEATHER, ETC. Class 39.

254,020. "ACE" AND DESIGN. Registered Mar. 12, 1929. The Carbon Products Co., Lancaster, Ohio. Renewed Mar. 12, 1949, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. FLASH LIGHTS AND FLASH-LIGHT CASES. Class 21.

254,060. PAMELA. Registered Mar. 12, 1929. Stern Brothers, New York, N. Y., a corporation of New York. Renewed Mar. 12, 1949. FILLED VANITY CASES CONTAINING COMPRESSED ROUGE AND FACE POWDER. Class 6.

254,162. VELDOWN. Registered Mar. 12, 1929. Veldown Company, Inc., New York, N. Y. Renewed Mar. 12, 1949, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware. CATAMENIAL BANDAGES. Class 44.

254,390. "VELVETTE" AND DESIGN. Registered Mar. 26, 1929. Veldown Company, Inc., New York, N. Y. Renewed Mar. 26, 1949, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware. CATAMENIAL NAPKINS. Class 44.

254,394. HARVEST GEMS. Registered Mar. 26, 1929. Norfolk Packing Co., Norfolk, Nebr. Renewed Mar. 26, 1949, to Tolerton & Warfield Co., Sioux City, Iowa, a corporation of Iowa. CANNED VEGETABLES. Class 46.

254,454. "GOLD PRIZE" ETC. AND DESIGN. Registered Mar. 26, 1929. Hall Baking Co., Buffalo, N. Y., a corporation of Delaware. Renewed Mar. 26, 1949. BREAD. Class 46.

254,554. "ANCHOR" ETC. AND DESIGN. Registered Mar. 26, 1929. The Anchor Packing Company, Philadelphia, Pa., a corporation of New Jersey. Renewed Mar. 26, 1949. RUBBER BELTING, RUBBER HOSE, MACHINERY PACKING, BRAKE LINING, AND CLUTCH FACING. Class 35.

254,625. UCO. Registered Mar. 26, 1929. Rice and Fishman. Renewed Mar. 26, 1949, to Uco Food Corporation, Newark, N. J., a corporation of New Jersey. CANNED FRUIT SALAD, FRUIT PRESERVES, CANNED FRUITS, CANNED PRUNES, ETC. Class 46.

254,713. SEABRITE. Registered Mar. 26, 1929. Perfection Biscuit Company, Fort Wayne, Ind., a corporation of Indiana. Renewed Mar. 26, 1949. CRACKERS. Class 46.

254,809. PARALEEN. Registered Apr. 2, 1929. Newark Paraffine & Parchment Paper Co., Newark, N. J., a corporation of New Jersey. Renewed Apr. 2, 1949. WAX-PAPER BAGS. Class 2.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

23,464. BABY BUNTING AND DESIGN. Registered Aug. 8, 1893. Illinois Canning Co., Hoopeston, Ill. CANNED CORN. Class 46. Amended as follows: In the statement, line 14, "drawing" is deleted and *facsimile* is inserted in lieu thereof.

23,481. PRIDE OF ILLINOIS AND DESIGN. Registered Aug. 15, 1893. Illinois Canning Co., Hoopeston, Ill. CANNED CORN. Class 46. Amended as follows: In the statement, line 14, "drawing" is deleted and *facsimile* is inserted in lieu thereof.

248,756. ARROWCRAFT AND DESIGN. Registered Oct. 30, 1928. Pi Beta Phi Settlement School of The Pi Beta Phi Fraternity, Gatlinburg, Tenn. WOODEN FURNITURE—NAMELY, CHAIRS, STOOLS, ETC. Class 32. Corrected as follows: In the certificate, lines 2 and 3, and in the heading to the statement, "Pi Beta Phi Settlement School of the Pi Beta Phi Fraternity, of Gatlinburg, Tennessee" should be *Pi Beta Phi, of Chapin, Illinois*; in the certificate, lines 16 and 17, and in the printed signature to the statement, "Settlement School of the Pi Beta Phi Fraternity" should be deleted; and in lines 1 to 9 of the statement "Pi Beta Phi Settlement School of the Pi Beta Phi Fraternity, an institution located and doing business at Gatlinburg, Sevier County, Tennessee, and administered by a committee appointed by said Pi Beta Phi Fraternity, a corporation organized and existing under the laws of the State of Illinois, and having its domicile at Galesburg, Illinois" should be *Pi Beta Phi, a corporation organized and existing under and by virtue of the Not For Profit Corporation Act of the State of Illinois and having its registered office at Chapin, Illinois, doing business as Pi Beta Phi Settlement School, Gatlinburg, Tennessee, an institution administered by a committee appointed by said Pi Beta Phi.*

248,856. ARROWCRAFT AND DESIGN. Registered Oct. 30, 1928. Pi Beta Phi Settlement School of The Pi Beta Phi Fraternity, Gatlinburg, Tenn. TEXTILE GOODS—NAMELY, BAGS AND BAG BODIES, ETC. Class 2. Corrected as follows: In the certificate, lines 2 and 3, and in the heading to the statement, "Pi Beta Phi Settlement School of the Pi Beta Phi Fraternity, of Gatlinburg, Tennessee" should be *Pi Beta Phi, of Chapin, Illinois*; in the certificate, lines 15 and 16, and in the printed signature to the statement, "Settlement School of the Pi Beta Phi Fraternity" should be deleted; and in lines 1 to 9 of the statement "Pi Beta Phi Settlement School of the Pi Beta Phi Fraternity, an institution located and doing business at Gatlinburg, Sevier County, Tennessee, and administered by a committee appointed by said Pi Beta Phi Fraternity, a corporation organized and existing under the laws of the State of Illinois, and having its domicile at Galesburg, Illinois" should be *Pi Beta Phi, a corporation organized and existing under and by virtue of the Not For Profit Corporation Act of the State of Illinois and having its registered office at Chapin, Illinois, doing business as Pi Beta Phi Settlement School, Gatlinburg, Tennessee, an institution administered by a committee appointed by said Pi Beta Phi.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 95,658. Registered Mar. 3, 1914. PLYMOUTH COAL AND MINING CO., Plymouth, W. Va. Republished by The Hatfield Campbell Creek Coal Company, Cincinnati, Ohio, a corporation of Ohio.

"PLYMOUTH COAL"

FOR COAL.
Claims use since May 1, 1893.

Reg. No. 165,135. Registered Mar. 6, 1923. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant.

MAMMOTH

FOR COTTON BATTING.
Claims use since Feb. 1, 1902.

Reg. No. 173,063. Registered Sept. 11, 1923. SPRINGFIELD SEED COMPANY, Springfield, Mo., a corporation of Missouri. Republished by registrant.



The word "Brand" is disclaimed apart from the mark as shown.
FOR AGRICULTURAL AND GRASS SEEDS.
Claims use since January 1910.

Reg. No. 199,135. Registered June 2, 1925. ATKINS & DURBROW, INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR PEAT MOSS USED AS POULTRY LITTER, STABLE BEDDING, HOOF STUFFING, AND BY NURSERYMEN, FLORISTS, AND GARDENERS.
Claims use since November 1923.

Reg. No. 215,572. Registered July 20, 1926. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant.

Special

The word "Special" is disclaimed apart from the mark as shown.
FOR COTTON BATTING.
Claims use since Mar. 17, 1925.

Reg. No. 250,308. Registered Dec. 4, 1928. J. E. RHOADS & SONS, Philadelphia, Pa., a firm. Republished by registrant.



FOR LACE LEATHER IN THE PIECE.
Claims use since June 11, 1904.

Reg. No. 312,172. Registered Apr. 17, 1934. SUSQUEHANNA COLLIERIES COMPANY, Cleveland, Ohio. Republished by The M. A. Hanna Company, Cleveland, Ohio, a corporation of Ohio.

FRANKLIN

FOR ANTHRACITE COAL.
Claims use since 1873.

Reg. No. 349,247. Registered Aug. 24, 1937. FERRY-MORSE SEED CO., Detroit, Mich., a corporation of Michigan. Republished by registrant.

FERRY'S

FOR SEEDS, PARTICULARLY VEGETABLE, FLOWER, AND GRASS SEEDS.
Claims use since 1867.

Reg. No. 349,469. Registered Aug. 31, 1937. FERRY-MORSE SEED CO., Detroit, Mich., a corporation of Michigan. Republished by registrant.



The lining is shown to indicate "yellow." The representation of the package which appears in the drawing is disclaimed apart from the mark claimed.
FOR SEEDS, PARTICULARLY VEGETABLE, FLOWER AND GRASS SEEDS.
Claims use since November 1935.

Reg. No. 369,106. Registered July 18, 1939. SUSQUEHANNA COLLIERIES COMPANY, Cleveland, Ohio. Republished by The M. A. Hanna Company, Cleveland, Ohio, a corporation of Ohio.



The words "Glen Lyon" are disclaimed apart from the mark as shown.
FOR ANTHRACITE COAL.
Claims use since Sept. 23, 1937.

Reg. No. 397,497. Registered Sept. 8, 1942. THE STEARNS & FOSTER COMANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant.

PACKIT

FOR COTTON WADDING.
Claims use since July 1, 1941.

Reg. No. 403,878. Registered Oct. 19, 1943. R. WOLFENDEN & SONS, Attleboro, Mass., a firm. Republished by registrant.

WOLFENIZED

FOR FIBRES, SLIVER SLUBBING, AND ROVING.
Claims use since July 1, 1942.

Reg. No. 422,975. Registered Aug. 20, 1946. FERRY-MORSE SEED CO., Detroit, Mich., a corporation of Michigan. Republished by registrant.

MORSE'S

FOR SEEDS, PARTICULARLY VEGETABLE, FLOWER, AND GRASS SEEDS.
Claims use since 1888.

Reg. No. 425,249. Registered Nov. 12, 1946. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.



The word "Product" is disclaimed apart from the mark as shown.
FOR MONOFILAMENTS MADE FROM POLYMERIC VINYLIDENE CHLORIDE AND COPOLYMERS THEREOF DESIGNED FOR A VARIETY OF NON-ASSOCIATED USES.
Claims use since Feb. 12, 1945.

Reg. No. 427,298. Registered Feb. 4, 1947. FERRY-MORSE SEED CO., Detroit, Mich., a corporation of Michigan. Republished by registrant.



The lining on drawing is for purposes of shading only.
FOR SEEDS, PARTICULARLY VEGETABLE AND FLOWER SEEDS.
Claims use since early in December 1945.

Reg. No. 428,508. Registered Mar. 25, 1947. FERRY-MORSE SEED CO., Detroit, Mich., a corporation of Michigan. Republished by registrant.

F-M

FOR SEEDS, PARTICULARLY VEGETABLE AND FLOWER SEEDS.
Claims use since Apr. 8, 1946.

Reg. No. 428,736. Registered Apr. 1, 1947. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.

VISKING PRODUCT

The word "Product" is disclaimed apart from the mark as shown.
FOR FLEXIBLE THIN-WALLED PLASTIC TUBING FOR USE FOR VARIOUS PURPOSES IN THE INDUSTRIAL ARTS.
Claims use since Feb. 12, 1945.

Reg. No. 429,440. Registered Apr. 29, 1947. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant, present locations Richmond, Va., and Chicago, Ill.

VISKORD

FOR MONOFILAMENTS MADE FROM VINYL RESINS AND MONOFILAMENTS MADE FROM POLYMERIC VINYLIDENE CHLORIDE AND COPOLYMERS THEREOF DESIGNED FOR A VARIETY OF NON-ASSOCIATED USES.
Claims use since May 14, 1946.

Reg. No. 431,463. Registered July 22, 1947. WYOMING MINING CORPORATION, Philadelphia, Pa. Republished by Crozer Coal and Land Company, Philadelphia, Pa., a corporation of West Virginia.

LYNCO

FOR COAL.
Claims use since July 10, 1946.

CLASS 2

RECEPTACLES

Reg. No. 309,754. Registered Jan. 30, 1934. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.

PATTETTES

FOR SAUSAGE AND HAMBURGER CASINGS.
Claims use since Sept. 19, 1933.

Reg. No. 310,467. Registered Feb. 27, 1934. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.

VISKING CASING

The word "Casing" is disclaimed apart from the mark as shown.
FOR SAUSAGE CASINGS.
Claims use since June 1, 1930.

Reg. No. 379,873. Registered July 30, 1940. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.

"ZEPHYR"

FOR ARTIFICIAL SAUSAGE CASINGS MADE OF CELLULOSE.
Claims use since Jan. 9, 1940.

Reg. No. 388,424. Registered June 24, 1941. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant, present locations Richmond, Va., and Chicago, Ill.

"Visking"

FOR MERCHANDISE PROTECTORS — NAMELY, SEAMLESS CELLULOSE TUBES AND ARTIFICIAL SAUSAGE CASINGS MADE OF CELLULOSE.
Claims use since June 1, 1928.

Reg. No. 388,425. Registered June 24, 1941. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.

VISKING CASING

The word "Casing" is disclaimed apart from the mark as shown.
FOR ARTIFICIAL SAUSAGE CASINGS MADE OF CELLULOSE.
Claims use since June 1, 1930.

Reg. No. 397,794. Registered Sept. 22, 1942. SUPERIOR METAL PRODUCTS COMPANY, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

DARMET

FOR MILK CANS, MILK PAILS, ICE CREAM CANS, CHEESE CANS, AND ICE CREAM MOLDS.
Claims use since Mar. 27, 1942.

Reg. No. 417,447. Registered Oct. 30, 1945. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.

NoJax

FOR CELLULOSE SAUSAGE CASINGS.
Claims use since Apr. 7, 1928.

Reg. No. 422,073. Registered July 2, 1946. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.

VISKING PRODUCT

The word "Product" is disclaimed apart from the mark as shown.
FOR TUBES IN THE NATURE OF CONTAINERS AND BAGS MADE FROM PLASTIC.
Claims use since Mar. 8, 1945.

Reg. No. 425,530. Registered Nov. 26, 1946. THE VISKING CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.

VISKING

FOR CELLULOSE CASINGS AND TUBING USED AS CONTAINERS.
Claims use since Aug. 14, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 51,240. Registered Apr. 10, 1906. J. A. WRIGHT & Co., Keene, N. H., a corporation of New Hampshire. Republished by registrant.

SILVER CREAM

FOR POLISHES IN POWDER AND LIQUID FORM FOR USE IN CLEANING METAL AND GLASSWARE.
Claims use since about Jan. 1, 1886.

Reg. No. 330,843. Registered Dec. 17, 1935. THE SHEFFIELD COMPANY, doing business as K-T-S Products, New York, N. Y., and New London, Conn., a corporation of Connecticut. Republished by registrant, present address New London, Conn.



The drawing is lined for shading only.
FOR SOAPS AND SHAVING CREAMS.
Claims use since Mar. 15, 1935.

CLASS 5

ADHESIVES

Reg. No. 164,438. Registered Feb. 20, 1923. ROBERT J. SISK, doing business as R. J. Sisk Company, New London, Conn. Republished by The R. J. Sisk Company, New London, Conn., a corporation of Connecticut.

LIN-O-TACK

FOR PIGMENT LINOLEUM CEMENT.
Claims use since September 1915.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 66,521. Registered Dec. 10, 1907. POLK MILLER DRUG CO., Richmond, Va. Republished by Polk Miller Products Corp., Richmond, Va., a corporation of Virginia.

SERGEANT'S

FOR FOLLOWING-NAMED DOG REMEDIES—CONDITION-PILLS ARSENIC AND IRON PILLS, SOFT CARBOLIC SOAP, MANGE-OINTMENT, REMEDY FOR FLEAS, CANKER-WASH, REMEDY FOR WORMS, RHEUMATIC TABLETS, AND CONSTIPATION CURE.
Claims use since December 1885.

Reg. No. 79,549. Registered Sept. 20, 1910. BIRD-ARCHER COMPANY, New York, N. Y. Republished by The Bird-Archer Company, New York, N. Y., a corporation of New York.



FOR CHEMICAL COMPOUNDS FOR THE REMOVAL OF GREASE, OIL, AND SCALE FROM BOILERS, AND THE PREVENTION OF THE FORMATION OF NEW SCALE, ETC., IN BOILERS.
Claims use since May 1905.

Reg. No. 110,955. Registered June 20, 1916. EDWARD A. GILLANS, Amsterdam, N. Y. Republished by Robert Z. Lindsay, New York, N. Y.

THE LITTLE
OLD DUTCH DOCTOR'S
CROUP
MEDICINE

FOR CROUP REMEDY.
Claims use since about 1877.

Reg. No. 144,063. Registered June 21, 1921. STEARNS' ELECTRIC PASTE CO., Chicago, Ill. Republished by Stearns' Electric Paste Co., Chicago, Ill., a co-partnership.



FOR RAT AND ROACH PASTE.
Claims use since 1893.

Reg. No. 150,361. Registered Jan. 3, 1922. DANIEL A. FLOOD, Okmulgee, Okla. Republished by Jean German and Myrtle Flood Mitchell, Okmulgee, Okla., a partnership.

FLOOD'S OINTMENT

D. A. Flood

The word "Ointment" is disclaimed apart from the mark as shown.
FOR OINTMENT HAVING MEDICINAL PROPERTIES AND ESPECIALLY USEFUL IN THE TREATMENT OF CUTS, BURNS, BOILS, STINGS, INSECT BITES, OLD SORES, FELONS, SCALDS, AND WOUNDS.
Claims use since Jan. 1, 1907.

Reg. No. 185,717. Registered June 24, 1924. CHARLES W. YOUNG, doing business as Mineral Clay Products Company, Omaha, Nebr. Republished by Raymond G. Young, Omaha, Nebr.

Curo Mineral Clay

The words "Mineral Clay" are disclaimed apart from the mark as shown.
FOR NATURAL MINERAL CLAY PRODUCT PREPARED FOR USE AS AN OINTMENT TO BE APPLIED EXTERNALLY IN THE TREATMENT OF SPRAINS, BRUISES, INFLAMMATION, RHEUMATISM, AND SIMILAR AILMENTS.
Claims use since Sept. 1, 1923.

Reg. No. 198,851. Registered May 26, 1925. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DR. PRICE'S

FOR FOOD COLORINGS.
Claims use since May 1871.

Reg. No. 201,615. Registered Aug. 4, 1925. GARRATT-CALLAHAN CO., San Francisco, Calif. Republished by Garratt-Callahan Company of California, San Francisco, Calif., a corporation of California.

Fluff-foe

FOR COMPOUND USED FOR HOT-WATER CIRCULATING SYSTEMS, AUTOMOBILE RADIATORS, AND DEVICES OF LIKE CHARACTER FOR PREVENTING FORMATION OF FLUFF, SCALE, OR RUST.
Claims use since Jan. 1, 1910.

Reg. No. 225,080. Registered Mar. 8, 1927. WESTERN PHARMACAL COMPANY, Salt Lake City, Utah. Republished by Karl Maeser Pack, Salt Lake City, Utah, assignor to Western Pharmacal Company, a partnership.

NEO-SAL

FOR GRANULAR EFFERVESCENT BLOOD SALTS.
Claims use since Sept. 10, 1926.

Reg. No. 244,561. Registered July 24, 1928. WASHING FLUID CHEMICAL CO., Pittsburgh, Pa. Republished by Hood Chemical Co., Inc., Pittsburgh, Pa., a corporation of New York.

MOON-SHINE
WASHING FLUID



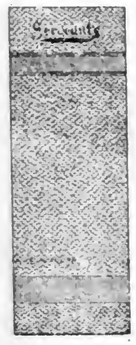
The words "Washing Fluid" are disclaimed apart from the mark as shown.
FOR CHEMICAL BLEACHING AND WASHING FLUID.
Claims use since April 1926.

Reg. No. 261,540. Registered Sept. 17, 1929. THE BARBASOL COMPANY, Indianapolis, Ind. Republished by The Barbasol Company (1947), Indianapolis, Ind., a corporation of Delaware.

PER-OD-EX

FOR OINTMENT DEODORANT USED FOR CHECKING PERSPIRATION AND ELIMINATING BODY ODORS.
Claims use since Apr. 20, 1929.

Reg. No. 300,694. Registered Jan. 31, 1933. POLK MILLER PRODUCTS CORP., Richmond, Va., a corporation of Virginia. Republished by registrant.



The drawing is lined for red and yellow.
FOR PREPARATION USED AS AN ANTISEPTIC, GERMICIDE, DISINFECTANT, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since 1919.

Reg. No. 308,786. Registered Dec. 19, 1933. R. D. FRAWLEY, doing business as Num Specialty Company, Pittsburgh, Pa. Republished by registrant.

DENT
NUM

FOR SURFACE ANESTHETICS AND ANTISEPTICS.
Claims use since July 1, 1933.

Reg. No. 311,431. Registered Mar. 20, 1934. THE THOMAS CHEMICAL CO., INC., Lynchburg, Va., a corporation of Virginia. Republished by registrant.

CUREN

FOR OINTMENT FOR THE TREATMENT OF ECZEMA AND OTHER SKIN DISORDERS.
Claims use since Oct. 15, 1931.

Reg. No. 314,603. Registered July 3, 1934. J. R. BRUNDAGE, INC., New York, N. Y. Republished by The Sheffield Company, New London, Conn., a corporation of Connecticut.



FOR TOOTH PASTE.
Claims use since Aug. 28, 1933.

Reg. No. 322,366. Registered Mar. 5, 1935. J. R. BRUNDAGE, INC., New York, N. Y. Republished by The Sheffield Company, New London, Conn., a corporation of Connecticut.

TRIPLE MINT

The words "Triple-Mint" are disclaimed apart from the mark as shown.
FOR TOOTH PASTE.
Claims use since Aug. 28, 1933.

Reg. No. 329,522. Registered Nov. 5, 1935. R. D. FRAWLEY, doing business as Num Specialty Company, Pittsburgh, Pa. Republished by registrant.

THUM

FOR PREPARATION FOR THE PREVENTION OF NAIL-BITING AND THUMB-SUCKING OF INFANTS.
Claims use since Jan. 1, 1935.

Reg. No. 345,838. Registered May 11, 1937. SCHNEFEL BROS. CORPORATION, Newark, N. J., a corporation of New Jersey. Republished by registrant.

NAILGROOM

FOR BEAUTIFIER FOR USE ON NAILS AND CUTICLES.
Claims use since June 8, 1936.

Reg. No. 348,590. Registered Aug. 3, 1937. MULFORD COLLOID LABORATORIES, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

VITACOL

FOR SOLUTION OF CERTAIN METALLIC COLLOIDS, INCLUDING IRON AND MANGANESE FOR USE AS A GENERAL FERRUGINOUS TONIC AND IN THE TREATMENT OF CHLOROSIS, PRIMARY AND SECONDARY ANEMIAS, GENERAL DEBILITY, WASTING DISEASES AND TO HASTEN CONVALESCENCE FOLLOWING OPERATIONS AND AFTER EXHAUSTIVE ILLNESS, AND FOR INCREASING THE QUALITY OF MILK DURING LACTATION.
Claims use since on or before Sept. 1, 1921.

Reg. No. 351,544. Registered Nov. 2, 1937. WALGREEN Co., doing business as Valentine Laboratories, Inc., Chicago, Ill. Republished by Carrel, Ltd., Chicago, Ill., a corporation of Illinois.

Amelita

FOR COSMETIC PREPARATIONS—NAMELY, SCENTS, FACE POWDER, COLD CREAM, TALCUM POWDER, AND TOILET WATER.
Claims use since November 1924.

Reg. No. 356,353. Registered Apr. 26, 1938. EDWIN M. FREEMAN, Denver, Colo. Republished by registrant.

PORCELAINIZE

FOR JELLY-LIKE MATERIAL FOR USE IN APPLICATION TO COATED SURFACES TO CHANGE THE ABSORPTIVE AND REFLECTIVE CO-EFFICIENTS OF SUCH COATINGS AND THE PERVIOUSNESS AND RESISTANT QUALITIES THEREOF.
Claims use since May 17, 1935.

Reg. No. 359,660. Registered Aug. 30, 1938. MULFORD COLLOID LABORATORIES, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Sulphocol

FOR SOLUTION OF SULPHUR IN COLLOIDAL FORM, FOR EXTERNAL AND INTERNAL USE IN CASES WHERE THERE IS A DEFICIENCY OF SULPHUR IN THE SYSTEM AND IN ACCELERATING THE ACTION OF THE LIVER TO PREVENT INTESTINAL TOXEMIA, AND IN THE TREATMENT OF RHEUMATISM, NEURITIS, ARTHRITIS, DEFORMANS; SKIN AFFECTIONS, INCLUDING ROSACEA AND SEBORRHEA; GENERALIZED DERMATITIS, ACUTE PSORIASIS, PAINFUL FIBROSITIS, AND IN COOPERATION WITH MERCURY IN THE TREATMENT OF SYPHILIS.
Claims use since on or before Sept. 1, 1921.

Reg. No. 359,764. Registered Aug. 30, 1938. JOHN H. BRECK, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

Lacene

FOR PREPARATIONS FOR SHAMPOO PURPOSES.
Claims use since Mar. 4, 1938.

Reg. No. 360,546. Registered Sept. 20, 1938. SCHNEFEL BROS., CORPORATION, Newark, N. J., a corporation of New Jersey. Republished by registrant.

La Cross Stazon

The word "Stazon" is disclaimed apart from the mark as shown.
FOR BASE COAT NAIL POLISH.
Claims use since Oct. 15, 1937.

Reg. No. 365,970. Registered Mar. 21, 1939. MARTHA P. MINTER, doing business as Totus Mfg. Co., Philadelphia, Pa. Republished by Totus Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

totus

FOR ANTISEPTIC DEODORANT POWDERS, AND MEDICATED GREASELESS SKIN CREAMS.
Claims use since June 1935.

Reg. No. 371,317. Registered Sept. 19, 1939. THE MACKWIN COMPANY, Winona, Minn. Republished by McConnon and Company, Winona, Minn., a corporation of Minnesota.

Mackwin

FOR INSECTICIDE.
Claims use since May 1, 1939.

Reg. No. 376,103. Registered Mar. 12, 1940. SHERCO PRODUCTS CORPORATION, Syracuse, N. Y. Republished by The Drackett Company, Cincinnati, Ohio, a corporation of Ohio.

Garbex

FOR GARBAGE DEODORANT AND DISINFECTANT, INSECT AND ANIMAL REPELLENT, HAVING INCIDENTAL CLEANSING PROPERTIES.
Claims use since on or about Sept. 25, 1939.

Reg. No. 388,093. Registered June 10, 1941. BEACON CHEMICAL CORPORATION, Philadelphia, Pa. Republished by Hood Chemical Co., Inc., Pittsburgh, Pa., a corporation of New York.

33

FOR BLEACH, GERMICIDE, AND DISINFECTANT, ALSO HAVING INCIDENTAL CLEANSING PROPERTIES.
Claims use since on or about Nov. 21, 1938.

Reg. No. 398,516. Registered Nov. 3, 1942. SCHNEFEL BROS. CORPORATION, Newark, N. J., a corporation of New Jersey. Republished by registrant.

NAYLON

FOR NAIL POLISH AND NAIL ENAMEL.
Claims use since Nov. 15, 1941.

Reg. No. 411,594. Registered Jan. 23, 1945. THOMAS IMPELL, Cold Spring, N. Y. Republished by Tom's Scalpade, Inc., Cold Spring, N. Y., a corporation of New York.



FOR SCALP CLEANSER AND HAIRDRESSING.
Claims use since Oct. 30, 1941.

CLASS 7

CORDAGE

Reg. No. 50,586. Registered Mar. 27, 1906. COLUMBIAN ROPE COMPANY, Auburn, N. Y., a corporation of New York. Republished by registrant.



FOR ROPE.
Claims use since Apr. 1, 1904.

Reg. No. 309,172. Registered Jan. 2, 1934. MENTE & CO., INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

DREADNAUGHT

FOR TWINE OF COTTON OR JUTE.
Claims use since 1921.

Reg. No. 356,604. Registered Mar. 3, 1938. FRANK W. WINNE & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

A A A GOLDEN

The word "Golden" is disclaimed apart from the mark as shown.
FOR BINDER TWINE, SISAL BINDER TWINE, AND SISAL ROPE.
Claims use since Dec. 15, 1932.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 231,363. Registered Aug. 16, 1927. H. H. ROBERTSON COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

RPM

FOR PROTECTED METAL SHEETS FOR BUILDING CONSTRUCTIONS.
Claims use since Dec. 17, 1925.

Reg. No. 285,666. Registered Aug. 4, 1931. THE MAUL COMPANY, Detroit, Mich. Republished by Maul Macotta Corporation, Detroit, Mich., a corporation of Michigan.

MACOTTA

FOR CONCRETE UNITS FOR USE IN BUILDINGS AND IN MAKING ORNAMENTAL WALLS.
Claims use since Feb. 23, 1931.

Reg. No. 287,530. Registered Sept. 29, 1931. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR COPPER DOWNSPOUTS; METAL DIVIDING STRIPS FOR USE IN CONCRETE FLOORS, TO SUPPORT PLASTER AT THE MOLDING OR CORNERS, AND TO HOLD LINOLEUM; BRASS RAILINGS; BRASS CHANNELS FOR USE WITH WINDOWS, DOORS, AND OTHER APERTURES, AND WITH ORNAMENTAL METAL WORK; AND BRASS MOLDINGS.
Claims use since May 14, 1928.

Reg. No. 294,077. Registered May 17, 1932. CHARLES LACHMAN CO., INC., Philadelphia, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

CELKOTE

FOR THERMAL AND SOUND INSULATING BUILDING PRODUCTS, MADE OF HAIR OR HAIRFELT WITH OR WITHOUT MIXTURE OF VEGETABLE FIBERS, QUILTED BETWEEN SATURATED ASPHALT PAPER, OR WITH REINFORCED KRAFT PAPER.
Claims use since May 14, 1930.

Reg. No. 294,079. Registered May 17, 1932. CHARLES LACHMAN CO., INC., Philadelphia, Pa. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

FELT-O-CEL

The word "Felt" is disclaimed apart from the mark as shown.
FOR THERMAL AND SOUND INSULATING BUILDING PRODUCTS MADE OF HAIR, HAIRFELT, ASBESTOS, ASBESTOS PAPER, PAPER AND CLOTH OR COMBINATIONS THEREOF AND QUILTED.
Claims use since Nov. 9, 1929.

Reg. No. 396,080. Registered June 30, 1942. MARTIN FIREPROOFING CORPORATION, Buffalo, N. Y., a corporation of New York. Republished by registrant.

CRETEPLANK

FOR TONGUE AND GROOVE AERATED CONCRETE PLANKS.
Claims use since Oct. 24, 1939.

Reg. No. 407,203. Registered May 23, 1944. GEORGE J. DONALDSON, doing business as Donaldson Floor Company, Rockford, Ill. Republished by Donaldson Floors, Inc., Rockford, Ill., a corporation of Illinois.

MAR-FLEX

FOR MAGNESITE CEMENT FLOORING.
Claims use since Jan. 1, 1942.

Reg. No. 412,640. Registered Mar. 20, 1945. MARTIN FIREPROOFING CORPORATION, Buffalo, N. Y., a corporation of New York. Republished by registrant.

CRETECHANL

FOR REINFORCED CONCRETE CHANNEL-SHAPED SLAB OR PLANK USED FOR CONSTRUCTING WALLS AND FLOORS OF BUILDINGS.
Claims use since Apr. 24, 1944.

Reg. No. 415,613. Registered Aug. 14, 1945. THE GILMAN BROTHERS COMPANY, Gilman, Conn., a corporation of Connecticut. Republished by registrant.

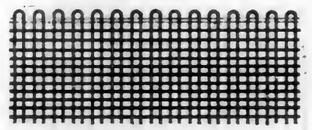
CELLULITE

FOR FIBROUS COTTON HEAT AND SOUND INSULATING MATERIAL HAVING NO RUBBER CONTENTS.
Claims use since July 1, 1943.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 48,034. Registered Dec. 5, 1905. THE GILBERT & BENNETT MANUFACTURING COMPANY, Georgetown, Conn., a corporation of Connecticut. Republished by registrant.



The trade-mark consists of two strands of copper wire woven in the selvage of wire-cloth.
FOR WIRE-CLOTH.
Claims use since about February 1895.

Reg. No. 303,994. Registered June 13, 1933. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.

OLYMPIC

FOR METAL PIPE.
Claims use since Sept. 30, 1932.

Reg. No. 362,869. Registered Dec. 6, 1938. H. H. ROBERTSON COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

Galbestos

FOR METAL PIPES, CONDUITS, AND CULVERTS.
Claims use since on or about Sept. 6, 1935.

Reg. No. 381,798. Registered Oct. 8, 1940. FRED S. GICHNER IRON WORKS, INC., Washington, D. C., a corporation of Delaware. Republished by registrant.



The word "Trade-Mark" is disclaimed apart from the mark as shown.

FOR ORNAMENTAL METAL FENCES, GATES AND GATE POSTS, DOOR KNOCKERS, AND HINGES.

Claims use since Feb. 1, 1940.

Reg. No. 398,018. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.



All the wording not included within the circle is disclaimed apart from the mark as shown.

FOR AUTOGRAPH PAPER, BILL HEADS, BLANK BOOKS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.

Claims use since Apr. 30, 1941.

Reg. No. 398,020. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.



All the wording within the circle, is disclaimed apart from the mark as shown.

FOR AUTOGRAPH PAPER, BILL HEADS, BLANK BOOKS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.

Claims use since Apr. 30, 1941.

Reg. No. 432,056. Registered Aug. 29, 1947. BENDIX AVIATION CORPORATION, doing business as Eclipse-Pioneer Division, Teterboro, N. J., a corporation of Delaware. Republished by registrant.



FOR VALVE MECHANISMS DESIGNED ESPECIALLY FOR USE ON AIRCRAFT, COMPRISING FLUID CHECK VALVES, PRESSURE RELEASE VALVES, CONTROL VALVES AND AIR VALVES; FLUID CHECK VALVES, PRESSURE RELEASE VALVES, CONTROL VALVES AND AIR VALVES FOR USE IN THE OPERATING LINES OF INFLATABLE ELEMENTS FOR PREVENTION OF ACCUMULATION OF ICE ON OR THE REMOVAL OF ICE FROM EXPOSED SURFACES OF AN AIRCRAFT; FLUID CHECK VALVES AND CONTROL VALVES FOR USE IN FUEL LINES OR THE LIKE ON AIRCRAFT; AND FLUID CHECK VALVES AND CONTROL VALVES FOR USE IN SUPPLY LINES OF ANTI-FREEZE FLUIDS FOR USE IN THE REMOVAL OF ICE FROM AEROFOIL SURFACES OF AN AIRCRAFT.

Claims use since June 9, 1936.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 192,517. Registered Dec. 9, 1924. IMPERIAL TYPE METAL CO., Philadelphia, Pa. Republished by Imperial Type Metal Company, Philadelphia, Pa., a corporation of Pennsylvania.

PLUS METAL

The word "Metal" is disclaimed apart from the mark as shown.

FOR TYPE-METAL.

Claims use since Feb. 1, 1924.

Reg. No. 222,135. Registered Dec. 21, 1926. UNION STEEL CASTING COMPANY, Pittsburgh, Pa. Republished by Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey.



FOR UNFINISHED STEEL CASTINGS, PARTICULARLY FRAMES, WHEEL CENTERS, DRIVING BOXES, FRAME CROSSTIES, CROSSHEADS, CYLINDER HEADS, AND GUIDE YOKES OF RAILWAY LOCOMOTIVES; VESTIBULE FRAMES, DOORS AND HINGES FOR BANK VAULTS, FIELD FRAMES, FRAMES FOR MOTORS AND GENERATORS, SPIDERS, AND FLYWHEELS FOR ELECTRICAL MACHINERY; GEARS, GEAR BLANKS, COUPLING BOXES, AND MILL HOUSINGS FOR GENERAL MACHINERY CONSTRUCTION; CENTER PLATES, STRIKING PLATES, END SILLS, AND BOLSTER FILLERS FOR RAILROAD CARS; BASES AND RACKS FOR BRIDGE CONSTRUCTION; CYLINDERS, PIPES, ELBOWS, AND PRESS PLATENS FOR HYDRAULIC MACHINERY; AND ANNEALING BOXES AND BOTTOMS FOR USE IN SHEET AND TINPLATE ANNEALING EQUIPMENT.

Claims use since 1905.

Reg. No. 304,538. Registered July 11, 1933. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.

OLYMPIC

FOR SHEET-METAL AND WIRE.

Claims use since Sept. 28, 1932.

CLASS 15

OILS AND GREASES

Reg. No. 311,074. Registered Mar. 13, 1934. STANDARD OIL CO., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

PALMETTO

FOR CYLINDER OIL.

Claims use since 1906.

Reg. No. 314,765. Registered July 10, 1934. STANDARD OIL CO., Louisville, Ky., a corporation of Kentucky. Republished by registrant.



FOR KEROSENE.

Claims use since 1885.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 173,709. Registered Oct. 2, 1923. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Auto-Var

FOR PAINT ENAMELS.

Claims use since Mar. 7, 1923.

Reg. No. 287,497. Registered Sept. 29, 1931. INTERNATIONAL COMPOSITIONS COMPANY, INC., New York, N. Y. Republished by International Paint Company, Inc., New York, N. Y., a corporation of New York.

CORROLINE

FOR READY-MIXED PAINTS FOR EXTERIORS OF HULLS OF SHIPS OF THE TYPE COMMONLY KNOWN AS TOPSIDE PAINTS.

Claims use since on or about May 1, 1931.

Reg. No. 335,578. Registered June 9, 1936. THE CONFERRO PAINT AND VARNISH COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant, present locations St. Louis, Mo., and New York, N. Y.



The representation of the label per se is disclaimed.

FOR QUICK DRY PAINT ENAMELS, PORCH AND FLOOR PAINT ENAMELS, AND SCREEN PAINT ENAMELS.

Claims use since Jan. 3, 1936.

Reg. No. 335,600. Registered June 9, 1936. THE CONFERRO PAINT & VARNISH COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant, present locations St. Louis, Mo., and New York, N. Y.



The representation of the label per se is disclaimed. The term "Hy-Valu" is disclaimed apart from the mark as shown.

FOR READY-MIXED PAINTS, SCREEN PAINT ENAMELS, STOVEPIPE PAINT ENAMELS, PREPARED SHELLAC, AND BRONZE PAINT.

Claims use since Jan. 2, 1936.

Reg. No. 335,615. Registered June 9, 1936. THE CONFERRO PAINT & VARNISH COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant, present locations St. Louis, Mo., and New York, N. Y.



The term "Hy-Valu" is disclaimed apart from the mark as shown. The representation of the label per se is disclaimed.

FOR QUICK DRY PAINT ENAMELS, AND FLOOR AND PORCH PAINT ENAMELS.

Claims use since Jan. 2, 1936.

Reg. No. 340,743. Registered Nov. 17, 1936. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.



The representation of the label per se is disclaimed apart from the mark as shown. The colors black, gold, and orange are claimed as features of the mark.

FOR READY-MIXED PAINTS, PAINT ENAMELS, ALUMINUM PAINT, BRONZE PAINT, PRIMERS, VARNISHES, AND ANTI-FOULING COMPOUND.

Claims use since Jan. 14, 1935.

Reg. No. 341,882. Registered Dec. 29, 1936. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.



The word "Oil" is disclaimed apart from the mark as shown. The representation of the label per se is disclaimed apart from the mark as shown. The colors orange, blue, white, and gold, are claimed as features of the mark.

FOR PAINT OIL.

Claims use since Mar. 7, 1936.

Reg. No. 342,917. Registered Feb. 2, 1937. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.



The representation of the label per se is disclaimed apart from the mark as shown. The colors blue, orange, gold, and white, are claimed as features of the mark.

FOR PAINT AND VARNISH REMOVER.

Claims use since Mar. 7, 1936.

Reg. No. 342,918. Registered Feb. 2, 1937. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.



The representation of the label per se and the word "Black" are disclaimed apart from the mark as shown. The colors blue, orange, gold, and white are claimed as features of the mark.

FOR PAINT ENAMEL.

Claims use since Mar. 7, 1936.

Reg. No. 344,842. Registered Apr. 6, 1937. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.

RACEHARD

FOR READY-MIXED PAINTS.

Claims use since Oct. 10, 1936.

Reg. No. 345,403. Registered Apr. 27, 1937. AL A. BANKS, doing business as Lyk-Nu Company, New York, N. Y. Republished by registrant.

LYK-NU

FOR FURNITURE AND AUTOMOBILE POLISH.

Claims use since May 1, 1930.

Reg. No. 354,923. Registered Mar. 1, 1938. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

f77

FOR WAX OR SIMILAR PRESERVATIVE AND PROTECTIVE COMPOSITIONS FOR APPLYING FINISHING COATINGS TO REAL OR IMITATION LEATHER AND RUBBER.

Claims use since January 1934.

CLASS 17

TOBACCO PRODUCTS

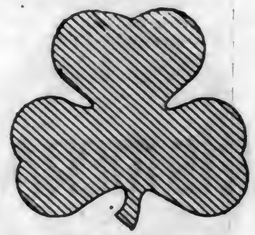
Reg. No. 232,114. Registered Aug. 30, 1927. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR CIGARS.

Claims use since Apr. 10, 1911.

Reg. No. 237,883. Registered Jan. 17, 1928. GALLAHER, LIMITED, Belfast, Ireland, an United Kingdom Corporation. Republished by registrant.



The drawing is lined for the color green.

FOR SMOKING AND CHEWING TOBACCO.

Claims use since Jan. 1, 1905.

Reg. No. 244,765. Registered July 24, 1928. LEWIS OSTERWEIS & SONS, New Haven, Conn., a firm. Republished by registrant.



FOR CIGARS.

Claims use since June 11, 1910.

Reg. No. 313,943. Registered June 12, 1934. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

LA AZORA

FOR CIGARS.

Claims use since Dec. 5, 1896.

Reg. No. 323,635. Registered Apr. 23, 1935. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

Vintage

FOR CIGARS.

Claims use since Dec. 20, 1932.

Reg. No. 323,636. Registered Apr. 23, 1935. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

1886

FOR CIGARS.

Claims use since Jan. 1, 1904.

Reg. No. 333,064. Registered Mar. 10, 1936. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

SOMERSET

FOR CIGARS.

Claims use since June 30, 1885.

Reg. No. 335,748. Registered June 16, 1936. LEWIS OSTERWEIS & SONS, New Haven, Conn., a firm. Republished by registrant.

LA MOSCOVITA

FOR CIGARS.

Claims use since Spring of 1860.

Reg. No. 385,464. Registered Mar. 4, 1941. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

RECOLLECTION

FOR CIGARS.

Claims use since in or about March 1917.

Reg. No. 419,937. Registered Apr. 12, 1946. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

44

FOR CIGARS.

Claims use since Feb. 16, 1897.

Reg. No. 420,413. Registered Apr. 9, 1946. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

HARVESTER

FOR CIGARS.
Claims use since Dec. 23, 1909.

Reg. No. 420,414. Registered Apr. 9, 1946. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

LA PALINA

FOR CIGARS.
Claims use since Dec. 26, 1900.

Reg. No. 424,606. Registered Oct. 15, 1946. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

ADLON

FOR CIGARS.
Claims use since Sept. 15, 1907.

Reg. No. 425,252. Registered Nov. 12, 1946. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

HENRY GEORGE

FOR CIGARS.
Claims use since the year 1898.

CLASS 19

VEHICLES

Reg. No. 197,613. Registered Apr. 21, 1925. KALES STAMPING COMPANY, Detroit, Mich. Republished by Whitehead Stamping Company, Detroit, Mich., a corporation of Michigan.

C-U

FOR MIRRORS FOR MOTOR VEHICLES.
Claims use since Aug. 1, 1924.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 181,596. Registered Mar. 25, 1924. ALBERT SETZER, doing business as Mule Battery Mfg. Co., Providence, R. I. Republished by registrant.



FOR ELECTRIC STORAGE BATTERIES.
Claims use since Mar. 1, 1922.

Reg. No. 308,019. Registered Nov. 14, 1933. WALGREEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

ARISTOCRAT

FOR RADIO VACUUM TUBES.
Claims use since Feb. 26, 1930.

Reg. No. 335,020. Registered May 19, 1936. ECLIPSE AVIATION CORPORATION, East Orange, N. J. Republished by Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware.



The exclusive right to the use of the arrow symbol apart from the mark as shown is disclaimed.
FOR STARTING MOTORS, GENERATORS AND DYNAMOTORS.
Claims use since Dec. 30, 1925.

Reg. No. 350,820. Registered Oct. 5, 1937. SYNDICATE-ALLIANCE TRADING CO., INC., New York, N. Y. Republished by Dry Goods Alliance, Inc., New York, N. Y., a corporation of New York.

Alliance

FOR ELECTRIC VACUUM CLEANER.
Claims use since May 15, 1937.

Reg. No. 375,868. Registered Mar. 5, 1940. EICOR, INC., Chicago, Ill. Republished by Eicor, Inc. (1941), Chicago, Ill., a corporation of Illinois.

EICOR

FOR ELECTRIC DYNAMOTORS, ELECTRIC MOTORS, ROTARY ELECTRIC CONVERTERS AND INVERTERS, ELECTRIC GENERATORS, ALTERNATORS, GAS ENGINE DRIVEN ELECTRIC GENERATOR SETS.
Claims use since Oct. 17, 1938.

Reg. No. 408,937. Registered Sept. 5, 1944. WELLS MANUFACTURING CORPORATION, Fond du Lac, Wis., a corporation of Wisconsin. Republished by registrant.



FOR MAGNETO SERVICE PARTS COMPRISING MAGNETO WINDINGS OF ALL TYPES, MAGNETO CONDENSERS, MAGNETO CONTACT POINTS, MAGNETO DISTRIBUTOR PLATES, MAGNETO DISTRIBUTOR ROTORS, MAGNETO DISTRIBUTOR DISCS, AND SMALL MAGNETO SERVICE PARTS.
Claims use since Mar. 8, 1944.

Reg. No. 431,622. Registered July 29, 1947. BENDIX AVIATION CORPORATION, doing business as Eclipse-Pioneer Division, Teterboro, N. J., a corporation of Delaware. Republished by registrant.



FOR ELECTRIC MOTORS, GENERATORS, MAGNETOS, AUXILIARY ELECTRIC POWER SUPPLY SYSTEMS, CUT-OUT SWITCHES, SOLENOID OPERATED SWITCHES AND ACTUATORS FOR ACCESSORIAL USE IN AIRCRAFT OPERATION, CONTROL SWITCHES, ELECTRIC CONTROL PANELS AND BOXES, CURRENT REGULATORS, VOLTAGE REGULATORS, DYNAMOTORS, VIBRATOR COILS, RELAY SWITCHES, ELECTRIC FILTERS, ALTERNATORS, INVERTERS, MOTOR GENERATOR SETS, ELECTRO-PNEUMATIC VALVES, AND ELECTRIC TIMING DEVICES OF THE ELECTRONICALLY CONTROLLED, ROTARY SWITCH, AND ELECTRO-PNEUMATIC TYPES FOR CONTROLLING THE OPERATION OF MECHANISMS USEFUL IN THE PREVENTION OF THE ACCUMULATION OF ICE ON OR THE REMOVAL OF ICE FROM EXPOSED SURFACES OF AIRCRAFT, AND PARTS THEREOF.
Claims use since on or about 1923.

Reg. No. 434,046. Registered Nov. 4, 1947. WILLIAM J. MILLER, Milwaukee, Wis. Republished by registrant.

WISHING WELL

FOR ELECTRIC LAMPS.
Claims use since Apr. 16, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 348,764. Registered Aug. 10, 1937. BONDED BRANDS, INCORPORATED, Chicago, Ill. Republished by James S. White, Chicago, Ill.

BONDED

FOR GOLF BALLS.
Claims use since Jan. 30, 1936.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 50,089. Registered Mar. 6, 1906. CARVER FILE COMPANY, Philadelphia, Pa. Republished by Delta File Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



FOR FILES AND RASPS.
Claims use since Nov. 1, 1905.

Reg. No. 65,244. Registered Sept. 17, 1907. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio, a corporation of the State of Ohio. Republished by registrant.

IRWIN

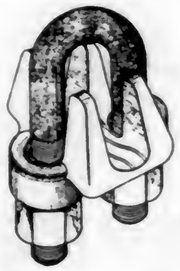
FOR BITS AND AUGERS.
Claims use since Jan. 1, 1890.

Reg. No. 130,560. Registered Apr. 27, 1920. JOSEPH POTTER, Birmingham, England. Republished by The Fair, Chicago, Ill., a corporation of Illinois.

VELVET

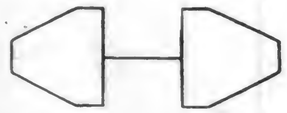
FOR SAFETY RAZORS.
Claims use since Nov. 27, 1918.

Reg. No. 156,609. Registered July 11, 1922. AMERICAN HOIST & DERRICK Co., St. Paul, Minn. Republished by American Hoist & Derrick Co., St. Paul, Minn., a corporation of Delaware.



The representation of a rope clamp is disclaimed apart from the mark as shown.
FOR ROPE CLAMPS.
Claims use since Aug. 27, 1921.

Reg. No. 164,594. Registered Feb. 20, 1923. R. HERSCHEL MANUFACTURING Co., Peoria, Ill., a corporation of Illinois. Republished by registrant.



FOR MOWER, BINDER, HEADER AND REAPER GUARDS, HEADS, AND PITMAN BOXES, PITMAN STRAPS, KNIFE OR SICKLE CLIPS, CAPS OR GUIDES, PITMEN, WEARING PLATES, GEARS, PINIONS, CRANKSHAFT BUSHINGS, AND REPAIR PARTS GENERALLY FOR MOWERS, BINDERS, HEADERS, AND REAPERS; LAWN MOWERS AND PARTS THEREOF; WAGON, CULTIVATOR, AND PLOW CLEVISES.
Claims use since September 1921.

Reg. No. 218,823. Registered Oct. 5, 1926. FREDERICK P. DUSTAN, doing business as The Luminite Company, Buffalo, N. Y. Republished by Luminite Products Corporation, Salamanca, N. Y., a corporation of New York.

LUMINITE

FOR WALL-PAPER, PRINT ROLLERS AND BLOCKS.
Claims use since about Jan. 12, 1925.

Reg. No. 235,317. Registered Nov. 15, 1927. CARL S. BRESNICK, New York, N. Y. Republished by Pearlduck, Inc., New York, N. Y., a corporation of New York.

dubl duck

FOR ALL MANNER AND KINDS OF RAZORS, SHEARS, SCISSORS, KNIVES OF BASE METAL, AND HAIR CLIPPERS.
Claims use since Apr. 1, 1927.

Reg. No. 250,452. Registered Dec. 11, 1928. CARL S. BRESNICK, New York, N. Y. Republished by Pearlduck, Inc., New York, N. Y., a corporation of New York.

Lifetime

FOR ALL MANNER AND KINDS OF RAZORS, SHEARS, SCISSORS, KNIVES OF BASE METAL, AND HAIR CLIPPERS.
Claims use since Mar. 1, 1928.

Reg. No. 300,396. Registered Jan. 17, 1933. THE BORG & BECK COMPANY, Chicago, Ill. Republished by Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois.



The words "Clutch" and "The Standard" and the representation of a clutch, are disclaimed apart from the mark as shown.
FOR MECHANICAL CLUTCHES, CLUTCH PLATES, AND PARTS THEREOF.
Claims use since on or about Aug. 1, 1923.

Reg. No. 357,676. Registered June 14, 1938. AUTO SPECIALTIES MANUFACTURING COMPANY, St. Joseph, Mich., a corporation of Michigan. Republished by registrant.

AUSCOLIFT

FOR PORTABLE APPARATUS ADAPTED FOR VARIOUS USES, SUCH AS AN AUTOMOBILE JACK, FOR TOWING, AND FOR STRAIGHTENING BODIES, FENDERS, AND THE LIKE.
Claims use since Dec. 1, 1936.

Reg. No. 367,384. Registered May 16, 1939. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio, a corporation of Ohio. Republished by registrant.



The lines in the drawing indicate the color red. The representation of a wrapped auger bit is disclaimed apart from the mark as shown.
FOR AUGER BITS.
Claims use since June 10, 1938.

Reg. No. 373,152. Registered Nov. 28, 1939. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio, a corporation of Ohio. Republished by registrant.



The representation of auger bits or parts thereof are disclaimed apart from the mark as shown.
FOR AUGER BITS.
Claims use since Aug. 1, 1938.

Reg. No. 379,090. Registered July 2, 1940. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio, a corporation of Ohio. Republished by registrant.

MICRO-DIAL

The word "Dial" is disclaimed apart from the mark as shown.
FOR EXPANSIVE WOOD-BORING AUGER BITS.
Claims use since Aug. 1, 1939.

Reg. No. 381,108. Registered Sept. 10, 1940. CLUB RAZOR & BLADE MFG. CORP., Newark, N. J., a corporation of New Jersey. Republished by registrant.

Fanny

FOR RAZOR BLADES.
Claims use since Jan. 4, 1940.

Reg. No. 383,516. Registered Dec. 10, 1940. MARTIN FIREPROOFING CORPORATION, Buffalo, N. Y., a corporation of New York. Republished by registrant.

The Fireproofer

FOR MASONRY CUTTING MACHINES AND PARTS THEREOF.
Claims use since Apr. 26, 1939.

Reg. No. 398,018. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.

PRINTING SPECIALTIES UNION LABEL PAPER PRODUCTS

All the wording not included within the circle is disclaimed apart from the mark as shown.

FOR AUTOGRAPH PAPER, BILL HEADS, BLANK BOOKS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.

Claims use since Apr. 30, 1941.

Reg. No. 398,020. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.

SPECIALTIES DISTRIBUTORS UNION LABEL PAPER PRODUCTS

All the wording within the circle is disclaimed apart from the mark as shown.

FOR AUTOGRAPH PAPER, BILL HEADS, BLANK BOOKS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.

Claims use since Apr. 30, 1941.

Reg. No. 398,179. Registered Oct. 13, 1942. BORG-WARNER CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BORGLITE

FOR MECHANICAL CLUTCHES, CLUTCH PLATES, PARTS THEREOF.

Claims use since Feb. 18, 1938.

Reg. No. 399,013. Registered Dec. 8, 1942. E. C. HORNE, doing business as E. C. Horne Machinery Co., Denver, Colo. Republished by registrant.

FLEXOVEYOR

FOR FLEXIBLE SPRING BELT CONVEYORS.

Claims use since Nov. 10, 1941.

Reg. No. 399,829. Registered Feb. 2, 1943. THE BILLINGS & SPENCER COMPANY, Hartford, Conn., a corporation of Connecticut. Republished by registrant.

B

FOR TOOLS AND FOR MACHINERY—NAMELY, ALL KINDS AND TYPES OF THE FOLLOWING GOODS: WRENCHES, WRENCH SETS, WRENCH SOCKETS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.

Claims use since on or about Aug. 31, 1870.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 134,199. Registered Aug. 17, 1920. WALES ADDING MACHINE COMPANY, Kingston, Pa. Republished by Allen-Wales Adding Machine Corporation, Dayton, Ohio, a corporation of New Jersey, assignor to The National Cash Register Company, a corporation of Maryland.

WALES

FOR ADDING, LISTING, AND CALCULATING MACHINES.

Claims use since Aug. 15, 1919.

Reg. No. 171,816. Registered Aug. 14, 1923. METRO PICTURES CORPORATION, New York, N. Y. Republished by Loew's Incorporated, New York, N. Y., a corporation of Delaware.

METRO PICTURES

METRO PICTURES CORPORATION

The word "Pictures" is disclaimed apart from the mark as shown.

FOR MOTION PICTURE FILMS.

Claims use since July 1916.

Reg. No. 171,827. Registered Aug. 14, 1923. CHRISTIAN BECKER, INC., New York, N. Y. Republished by The Torsion Balance Company, New York, N. Y., a corporation of New York.

AUTODEX

FOR BALANCES AND WEIGHING SCALES.

Claims use since Jan. 26, 1923.

Reg. No. 178,349. Registered Jan. 8, 1924. METRO PICTURES CORPORATION, New York, N. Y. Republished by Loew's Incorporated, New York, N. Y., a corporation of Delaware.

Metro

FOR MOTION-PICTURE FILMS.

Claims use since May 1, 1923.

Reg. No. 361,019. Registered Oct. 4, 1938. CHEMCO PHOTOPRODUCTS COMPANY, Glen Cove, N. Y. Republished by Chemco Photoproducts Company, Inc., Glen Cove, N. Y., a corporation of New York.

POWERLITH

FOR PHOTOGRAPHIC AND PHOTO-ENGRAVING PRODUCT—NAMELY, STRIPFILM, A FILM SUPPORTED OR BACKED ON PAPER WHICH, AFTER BEING CHEMICALLY TREATED THROUGH DEVELOPMENT, IS SEPARATED FROM THE PAPER BACKING AND STRIPPED ONTO GLASS.

Claims use since Mar. 1, 1937.

Reg. No. 365,781. Registered Mar. 21, 1939. WHITE-RODGERS ELECTRIC COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.

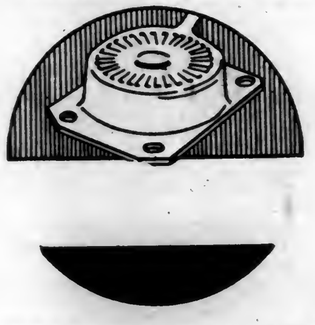


The lining shown is for color—red.

FOR INSTRUMENTS AND CONTROLS RESPONSIVE TO CHANGES IN PHYSICAL CONDITIONS—NAMELY, ELECTRO-THERMOSTATIC GAS VALVES; ROOM AND SPACE THERMOSTATS; PRESSURE-ELECTRIC AND THERMO-ELECTRIC CONTROLS, OF WARM AIR, SURFACE AND IMMERSION HOT WATER TYPES, FOR HEATING AND AIR-CONDITIONING SYSTEMS, FOR FAN AND BLOWER SYSTEMS, FOR INDUSTRIAL OVENS, AND FOR REFRIGERATION SYSTEMS; AND ELECTRO-TIMERS FOR STOKERS.

Claims use since June 1, 1937.

Reg. No. 369,413. Registered July 25, 1939. WHITE-RODGERS ELECTRIC COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.



The representation of a diaphragm cup is disclaimed apart from the mark as shown.

FOR INSTRUMENTS AND CONTROLS RESPONSIVE TO TEMPERATURE—NAMELY, ELECTRO-THERMOSTATIC GAS VALVES; ROOM AND SPACE THERMOSTATS; PRESSURE-ELECTRIC AND THERMOELECTRIC CONTROLS, OF WARM AIR, SURFACE AND IMMERSION HOT WATER TYPES, FOR HEATING AND AIR-CONDITIONING SYSTEMS, FOR FAN AND BLOWER SYSTEMS, FOR INDUSTRIAL OVENS, AND FOR REFRIGERATION SYSTEMS; AND ELECTRO-TIMERS FOR STOKERS.

Claims use since Nov. 22, 1937.

Reg. No. 388,720. Registered July 8, 1941. MASTER RULE MANUFACTURING CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

TUFBOY

FOR RULES, FOLDING RULES, AND EXTENSION RULES.

Claims use since July 1939.

Reg. No. 392,896. Registered Jan. 20, 1942. WHITE-RODGERS ELECTRIC COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.

"LEVEL TEMP."

FOR TIMERS, THERMOSTATIC HOT WATER CONTROLS, AND DRAFT CONTROLS FOR APPLICATION TO HEATING CONTROL, USABLE AS A UNIT TOGETHER UNDER CONTROL OF THE THERMOSTAT AND THE THERMOSTATIC HOT WATER CONTROL.

Claims use since May 6, 1940.

Reg. No. 404,297. Registered Nov. 16, 1943. LOUIS L. KLAMKIN, doing business as Puritee Thermometer Co., Brooklyn, N. Y. Republished by registrant.

Puritee

FOR THERMOMETERS.

Claims use since 1922.

Reg. No. 432,400. Registered Sept. 2, 1947. ALCO VALVE COMPANY, University City, Mo., a corporation of Missouri. Republished by registrant.

ALCO

FOR REFRIGERANT CONTROL VALVES AUTOMATICALLY OPERATED IN RESPONSE TO CHANGES IN PHYSICAL CONDITIONS SUCH AS, BUT NOT LIMITED TO, TEMPERATURE AND PRESSURE CONDITIONS.
Claims use since 1925.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 234,605. Registered Nov. 1, 1927. PHI CHI, Nicholasville, Ky., a corporation of Kentucky. Republished by registrant, present address Valdosta, Ga.

ΦX

FOR FRATERNITY PINS, BADGES, LAPEL BUTTONS, CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, AND BELT BUCKLES, ALL MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since 1894.

Reg. No. 313,362. Registered May 29, 1934. OSTBY AND BARTON COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

O-B

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.
Claims use since July 1, 1907.

Reg. No. 314,155. Registered June 19, 1934. OSTBY AND BARTON COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.



FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.
Claims use since April 1904.

Reg. No. 334,957. Registered May 19, 1936. OSTBY AND BARTON COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.



FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, PARTICULARLY FINGER-RINGS, NOT INCLUDING WATCHES.
Claims use since Jan. 1, 1911.

Reg. No. 368,693. Registered June 27, 1939. OSTBY AND BARTON COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.



FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.
Claims use since 1914.

Reg. No. 373,832. Registered Dec. 26, 1939. OSTBY AND BARTON COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

WEE TOT

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.
Claims use since Feb. 1, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 120,707. Registered Mar. 5, 1918. BARBER MANUFACTURING COMPANY, Anderson, Ind. Republished by Barber Manufacturing Company, Inc., Anderson, Ind., a corporation of Indiana.



FOR BED-SPRINGS AND SEAT-SPRING CONSTRUCTIONS.
Claims use since July 1, 1900.

Reg. No. 159,117. Registered Sept. 19, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant.

PARAGON

FOR MATTRESSES.
Claims use since Nov. 6, 1909.

Reg. No. 159,118. Registered Sept. 19, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant.

MISSION

FOR MATTRESSES.
Claims use since Apr. 1, 1905.

Reg. No. 159,119. Registered Sept. 19, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant.

EARL

FOR MATTRESSES.
Claims use since Nov. 6, 1909.

Reg. No. 172,370. Registered Aug. 28, 1923. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant.

STYLE-A

FOR MATTRESSES.
Claims use since Sept. 30, 1906.

Reg. No. 179,924. Registered Feb. 19, 1924. MAURICE GORDON, Baltimore, Md. Republished by Gordon Sleeprite Corp., Baltimore, Md., a corporation of Maryland.



The words "Ideal and Best For a Good Nights Rest" are disclaimed apart from the mark as shown. Also, the representation of the mattress is disclaimed.
FOR MATTRESSES, PILLOWS, AND BOX SPRINGS.
Claims use since July 20, 1923.

Reg. No. 181,105. Registered Mar. 11, 1924. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant.

CLOVERNOOK

FOR MATTRESSES.
Claims use since July 16, 1923.

Reg. No. 244,703. Registered July 24, 1928. THE P. R. MITCHELL CO., New York, N. Y., a corporation of Ohio. Republished by registrant, present address Cincinnati, Ohio.



The representation of a pillow is disclaimed. The drawing is lined for shading only.
FOR PILLOWS.
Claims use since Feb. 7, 1928.

Reg. No. 336,942. Registered July 21, 1936. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant.

QUEEN ASTRID

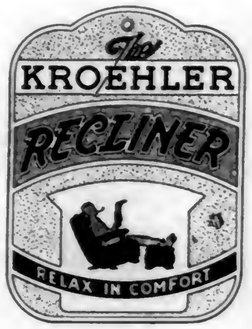
FOR MATTRESSES AND BOX SPRINGS.
Claims use since Feb. 12, 1936.

Reg. No. 359,154. Registered Aug. 9, 1938. MEIER & FRANK COMPANY, INC., Portland, Oreg., a corporation of Oregon. Republished by registrant.

Fortune House

FOR BEDROOM, LIVING ROOM, DINING ROOM, AND DINETTE FURNITURE—NAMELY, CHESTS, DRESSERS, VANITIES, AND ALL THE OTHER ITEMS NAMED IN THE ORIGINAL REGISTRATION.
Claims use since June 22, 1937.

Reg. No. 390,262. Registered Sept. 16, 1941. KROEHLER MANUFACTURING COMPANY, Naperville, Ill., a crporation of Illinois. Republished by registrant.



The words "Recliner" and "Relax in Comfort" and the representation of the tag and lounge chair are disclaimed apart from the mark as shown. The drawing is lined for red.

FOR LOUNGE CHAIRS.
Claims use since June 19, 1940.

Reg. No. 416,428. Registered Sept. 11, 1945. KROEHLER MANUFACTURING COMPANY, Naperville, Ill., a corporation of Illinois. Republished by registrant.



The words "Comfort Construction" are disclaimed apart from the mark as shown.

FOR UPHOLSTERED LIVING ROOM FURNITURE.
Claims use since Feb. 19, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 345,258. Registered Apr. 20, 1937. UNITED STATES AIR CONDITIONING CORPORATION, Minneapolis, Minn. Republished by United States Air Conditioning Corporation, Minneapolis, Minn., a corporation of Delaware.

AIR-GINEER

FOR AIR CONDITIONING UNITS.
Claims use since on or about Nov. 24, 1936.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 52,414. Registered May 8, 1906. CHAS. A. DANIEL, Philadelphia, Pa. Republished by Quaker Rubber Corporation, Philadelphia, Pa., a corporation of Pennsylvania.



FOR MACHINERY PACKING.
Claims use since August 1902.

Reg. No. 53,420. Registered June 5, 1906. GREENE, TWEED & CO., New York, N. Y., a corporation of New York. Republished by registrant, present address North Wales, Pa.

PALMETTO

FOR PACKINGS FOR THE WEARING AND BEARING PARTS OF MACHINES AND MECHANICAL DEVICES.
Claims use since on or about Jan. 1, 1891.

Reg. No. 218,591. Registered Sept. 28, 1926. QUAKER CITY RUBBER COMPANY, Wissinoming, Philadelphia, Pa. Republished by Quaker Rubber Corporation, Philadelphia, Pa., a corporation of Pennsylvania.

P. P. P.

FOR MACHINERY PACKING.
Claims use since April 1894.

Reg. No. 247,266. Registered Sept. 25, 1928. CORDUROY TIRE COMPANY, Grand Rapids, Mich. Republished by Corduroy Rubber Company, Grand Rapids, Mich., a corporation of Delaware.

Wolverine

FOR AUTOMOBILE TIRES.
Claims use since August 1927.

Reg. No. 288,169. Registered Oct. 20, 1931. THE SHALER COMPANY, Waupun, Wis., a corporation of Delaware. Republished by registrant.

SHALER

FOR VEHICLE TIRE AND TUBE PATCHING MATERIALS.
Claims use since December 1909.

Reg. No. 291,253. Registered Feb. 2, 1932. THE SHALER COMPANY, Waupun, Wis., a corporation of Delaware. Republished by registrant.



The word "Improved" and the words "Rapid Hot Patches" are disclaimed apart from the mark as shown.

FOR PNEUMATIC VEHICLE TIRES AND PORTABLE TIRE REPAIR KITS.
Claims use since Apr. 11, 1931.

Reg. No. 406,369. Registered Mar. 28, 1944. RICHMOND RUBBER CO., INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

The STATESMAN De Luxe

FOR TIRES OF RUBBER, FABRIC, SYNTHETIC RUBBER, AND COMBINATIONS THEREOF.
Claims use since July 1943.

Reg. No. 407,330. Registered Mar. 30, 1944. RICHMOND RUBBER CO., INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

The MONITOR De Luxe

FOR TIRES OF RUBBER, FABRIC, SYNTHETIC RUBBER, AND COMBINATIONS THEREOF.
Claims use since Oct. 8, 1943.

Reg. No. 423,438. Registered Sept. 3, 1946. BENDIX AVIATION CORPORATION, doing business as Eclipse-Pioneer Division, Teterboro, N. J., a corporation of Delaware. Republished by registrant.



FOR FLEXIBLE METAL HOSE.
Claims use since January 1933.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 433,963. Registered Nov. 4, 1947. TEEN-TIMERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Teentimer

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE.
Claims use since August 19, 1946.

CLASS 37

PAPER AND STATIONERY

Reg. No. 74,010. Registered June 8, 1909. BRITTAINS LIMITED, Hanley, England, a British corporation. Republished by registrant, present address Leek, Staffordshire, England.



MILL 630

FOR WRITING PAPER AND ENVELOPES.
Claims use since June 9, 1908.

Reg. No. 100,014. Registered Sept. 29, 1914. MT. HOLYOKE TISSUE MILLS, Holyoke, Mass. Republished by American Tissue Mills, Holyoke, Mass., a corporation of Massachusetts.

ROYAL



FOR TOILET-PAPER.
Claims use since on or about July 1, 1910.

Reg. No. 172,926. Registered Sept. 11, 1923. ROBERT W. BROOKS, doing business as Brooks Paper Company, St. Louis, Mo. Republished by Brooks Paper Company, St. Louis, Mo., a corporation of Missouri.

WEST INDIA CREAM TISSUE

The word "Tissue" is disclaimed apart from the mark as shown.

FOR STEREOTYPING AND COPYING TISSUE.
Claims use since Jan. 1, 1898.

Reg. No. 269,125. Registered Mar. 25, 1930. THE MARTIN CANTINE COMPANY, Saugerties, N. Y., a corporation of New York. Republished by registrant.

COLORFOLD

FOR DULL-FINISHED PAPER SUITABLE FOR USE WITH WATER-COLOR INKS AND FOR COVER STOCK.
Claims use since Oct. 4, 1929.

Reg. No. 278,724. Registered Dec. 30, 1930. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis., a corporation of Wisconsin. Republished by registrant.

NEPCO

FOR WRAPPING AND PRINTING PAPER AND CONVERTING PAPERS USED IN THE MAKING OF PAPER BAGS, BOXES, NAPKINS, NOVELTIES, ENVELOPES, GUMMED TAPE, MUSIC ROLLS, TABLE TOPS, AND TIRE-WRAPPING PAPER.
Claims use since Sept. 1, 1917.

Reg. No. 309,610. Registered Jan. 23, 1934. COLWELL PUBLISHING COMPANY, Champaign, Ill., a firm. Republished by registrant.

DR. COLWELL'S DAILY LOG FOR PHYSICIANS

The words "Daily Log For Physicians" are disclaimed apart from the mark as shown.
FOR PHYSICIANS' RECORD AND ACCOUNT BOOK.
Claims use since about September 1929.

Reg. No. 398,018. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.

PRINTING SPECIALTIES UNION LABEL PAPER PRODUCTS

All the wording not included within the circle is disclaimed apart from the mark as shown.
FOR AUTOGRAPH PAPER, BILL HEADS, BLANK BOOKS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Apr. 30, 1941.

Reg. No. 398,020. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.

SPECIALTIES UNION LABEL DISTRIBUTORS PAPER PRODUCTS

All the wording within the circle, is disclaimed apart from the mark as shown.
FOR AUTOGRAPH PAPER, PAPER BILL HEADS, BLANK BOOKS, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Apr. 30, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 46,136. Registered Sept. 5, 1905. ORANGE JUDD COMPANY, New York, N. Y. Republished by New England Homestead Company, Springfield, Mass., a corporation of Massachusetts.

THE NEW ENGLAND HOMESTEAD

FOR PERIODICALS.
Claims use since 1867.

Reg. No. 384,073. Registered Jan. 7, 1941. E. M. HALE AND COMPANY, Eau Claire, Wis., a corporation of Wisconsin. Republished by registrant.

CADMUS BOOKS

The word "Books" is disclaimed apart from the mark as shown.
FOR BOOKS AND MANUALS.
Claims use since Jan. 2, 1940.

Reg. No. 398,019. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.

PRINTING SPECIALTIES UNION LABEL PAPER PRODUCTS

All the wording not included within the circle is disclaimed apart from the mark as shown.
FOR ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Apr. 30, 1941.

Reg. No. 398,021. Registered Oct. 6, 1942. INTERNATIONAL PRINTING PRESSMEN AND ASSISTANTS' UNION OF NORTH AMERICA, Pressmen's Home, Tenn., a voluntary association. Republished by registrant.

SPECIALTIES UNION LABEL DISTRIBUTORS PAPER PRODUCTS

All the wording not included in the circle is disclaimed apart from the mark as shown.
FOR ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, CALENDARS, CARTOONS, CATALOGUES, DAILY NEWSPAPERS, DATA SHEETS, DICTIONARIES, AND ALL THE OTHER ITEMS NAMED IN THE ORIGINAL REGISTRATION.
Claims use since Apr. 30, 1941.

CLASS 39

CLOTHING

Reg. No. 39,307. Registered Nov. 18, 1902. RAMBO & REGAR, Norristown, Pa. Republished by Rambo & Regar, Incorporated, Norristown, Pa., a corporation of Pennsylvania.

GLOBE

FOR HOSIERY.
Claims use since Sept. 1, 1886.

Reg. No. 158,047. Registered Aug. 22, 1922. O'ROURKE, EUBANKS HAT CO., San Francisco, Calif. Republished by Sussex-O'Rourke Hats, Inc., New York, N. Y., a corporation of Pennsylvania.



Castle Hats

The word "Hats" is disclaimed apart from the mark as shown.
FOR MEN'S HATS.
Claims use since 1904.

Reg. No. 186,526. Registered July 22, 1924. WEBER & HEILBRONER, New York, N. Y. Republished by Weber & Heilbroner, Inc., New York, N. Y., a corporation of New York.

CHEVILAND

FOR MEN'S SUITS..
Claims use since Feb. 1, 1924.

Reg. No. 198,257. Registered May 12, 1925. JACOB ROMBRO, doing business as Rombro Bros., Baltimore, Md. Republished by Rombro Brothers Inc., Baltimore, Md., a corporation of Maryland.

ROBUST

FOR WORK SHIRTS.
Claims use since Nov. 1, 1924.

Reg. No. 216,001. Registered Aug. 3, 1926. HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Republished by Harry Myers and Company, Inc., Baltimore, Md., a corporation of Maryland.

Glade-Topper

The word "Topper" is disclaimed apart from the mark as shown.
FOR MEN'S AND BOYS' SUITS AND OVERCOATS.
Claims use since Oct. 21, 1924.

Reg. No. 218,372. Registered Sept. 28, 1926. HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Republished by Harry Myers and Company, Inc., Baltimore, Md., a corporation of Maryland.

Fieldbrook

FOR MEN'S AND BOYS' SUITS AND OVERCOATS.
Claims use since Apr. 13, 1925.

Reg. No. 223,711. Registered Feb. 8, 1927. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., and New York, Brooklyn, and Buffalo, N. Y., and elsewhere, a corporation of Delaware. Republished by registrant, present address New York, N. Y.

KATHLEEN

FOR WOMEN'S, MISSES', AND CHILDREN'S SHOES OF LEATHER OR OF FABRIC, OR OF LEATHER AND FABRIC.
Claims use since July 3, 1926.

Reg. No. 226,112. Registered Mar. 29, 1927. WEBER & HEILBRONER, New York, N. Y. Republished by Weber & Heilbroner, Inc., New York, N. Y., a corporation of New York.



FOR MEN'S SUITS.
Claims use since Oct. 6, 1926.

Reg. No. 228,706. Registered June 7, 1927. UNION UNDERWEAR COMPANY, INCORPORATED, Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address New York, N. Y.



FOR TEXTILE FABRIC UNDERWEAR.
Claims use since Feb. 1, 1926.

Reg. No. 228,707. Registered June 7, 1927. UNION UNDERWEAR COMPANY, INCORPORATED, Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address New York, N. Y.



FOR TEXTILE FABRIC UNDERWEAR.
Claims use since Feb. 1, 1926.

Reg. No. 231,066. Registered Aug. 9, 1927. DALTON HAT CO. INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.



FOR MEN'S HATS.
Claims use since about July 1924.

Reg. No. 231,067. Registered Aug. 9, 1927. DALTON HAT CO. INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.



FOR MEN'S HATS.
Claims use since about July 1924.

Reg. No. 235,342. Registered Nov. 15, 1927. RUBIN BROTHERS, Chicago, Ill., a partnership. Republished by registrant.

The lining on the drawing indicates the color red. The words "Mfd. by, Chicago, Ill.," are disclaimed apart from the mark as shown.
FOR OVERALLS AND COATS FOR MEN, WOMEN, AND CHILDREN.
Claims use since on or about Jan. 1, 1927.

Reg. No. 237,233. Registered Jan. 3, 1928. THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La. Republished by Washington Manufacturing Company, Nashville, Tenn., a corporation of Tennessee.

HAPPY JACK

FOR MEN'S, BOYS', AND CHILDREN'S GARMENTS—NAMELY, WORK SHIRTS, OVERALLS, JACKETS, PANTS, SUITS, VESTS, COATS, JUMPERS, OVERALL UNION SUITS, COVERALLS, AND PLAY SUITS.
Claims use since Aug. 1, 1926.

Reg. No. 241,675. Registered May 8, 1928. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.



The words "America's Finest" are disclaimed apart from the mark as shown.
FOR MEN'S HATS.
Claims use since about May 1927.

Reg. No. 263,005. Registered Oct. 29, 1929. LAIRD, SCHOBER AND CO., Philadelphia, Pa. Republished by Laird, Schober & Co., Inc., Haverhill, Mass., a corporation of Massachusetts.

"TRAVELESE"

FOR FIXED OR REMOVABLE INSOLES OR INNER SOLES OF BOOTS OR SHOES AND FOR LADIES' AND CHILDREN'S SHOES, SAID SHOES BEING OF LEATHER, RUBBER, FABRIC, OR A COMBINATION OF SAID MATERIALS.
Claims use since Apr. 1, 1929.

Reg. No. 290,437. Registered Jan. 5, 1932. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.

Aristo-Lite

FOR MEN'S HATS.
Claims use since about Sept. 15, 1930.

Reg. No. 290,484. Registered Jan. 5, 1932. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.

PARK-HILL

FOR MEN'S HATS.
Claims use since about Jan. 10, 1931.

Reg. No. 291,817. Registered Feb. 23, 1932. CHIC MANUFACTURING CO., Peoria, Ill. Republished by Princess Peggy, Inc., Peoria, Ill., a corporation of Illinois.

PrincessPeggy

FOR LADIES' AND CHILDREN'S DRESSES AND PAJAMAS.
Claims use since Nov. 1, 1929.

Reg. No. 293,122. Registered Apr. 12, 1932. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.

WEATHER TESTED

FOR MEN'S HATS.
Claims use since about Aug. 15, 1931.

Reg. No. 300,584. Registered Jan. 24, 1933. MASSACHUSETTS KNITTING MILLS, Boston, Mass. Republished by Manchester Hosiery Mills, Manchester, N. H., a partnership.



FOR HOSIERY.
Claims use since Jan. 1, 1931.

Reg. No. 308,636. Registered Dec. 12, 1933. THE PATRICIA PETTICOAT CO. INC., New York, N. Y. Republished by Rhythm Lingerie, Inc., New York, N. Y., a corporation of New York.

RHYTHM

FOR LADIES' SILK OR RAYON SLIPS, NIGHTGOWNS, PAJAMAS, CHEMISES, AND PETTICOATS.
Claims use since July 20, 1933.

Reg. No. 322,282. Registered Mar. 5, 1935. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.

Flexhold

FOR MEN'S HATS.
Claims use since Oct. 15, 1934.

Reg. No. 322,779. Registered Mar. 19, 1935. THE WEMBLEY CRAVAT COMPANY, INC., New Orleans, La. Republished by Wembley, Inc., New Orleans, La., a corporation of Louisiana.

Murry Town

FOR CRAVATS.
Claims use since Oct. 15, 1933.

Reg. No. 323,500. Registered Apr. 16, 1935. WEMBLEY CRAVAT CO. INCORPORATED, New Orleans, La. Republished by Wembley, Inc., New Orleans, La., a corporation of Louisiana.

KING LOUIS
TIES
TRUE
BIAS
BON CRAVAT
BIEN PORTE

The words "Ties," "True Bias," "Bon Cravat," and "Bien Porte" are disclaimed apart from the mark as shown.

FOR MEN'S AND BOYS' NECKWEAR, COMPRISING ALL TYPES OF MEN'S AND BOYS' FOUR-IN-HAND TIES, BOW TIES, AND BUTTERFLY BATS.
Claims use since January 1934.

Reg. No. 328,678. Registered Oct. 1, 1935. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.



FOR MEN'S FELT AND STRAW HATS AND CLOTH CAPS.
Claims use since Jan. 15, 1935.

Reg. No. 337,742. Registered Aug. 18, 1936. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.

HANROLL
BRIM

The word "Brim" is disclaimed apart from the mark as shown.
FOR MEN'S HATS.
Claims use since October 1934.

Reg. No. 344,860. Registered Apr. 6, 1937. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.

MISTERY

FOR MEN'S HATS.
Claims use since July 1, 1936.

Reg. No. 346,288. Registered May 18, 1937. FREEMAN SHOE CORPORATION, Beloit, Wis., a corporation of Wisconsin. Republished by registrant.



The word "Bootmaker" is disclaimed apart from the mark as shown.
FOR MEN'S SHOES CONSTRUCTED OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Dec. 16, 1936.

Reg. No. 348,671. Registered Aug. 3, 1937. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.



FOR MEN'S HATS.
Claims use since Mar. 10, 1937.

Reg. No. 349,530. Registered Aug. 31, 1937. WEBER & HEILBRONER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

The Splasher

FOR HATS, CAPS, OVERCOATS, TOP COATS, TROUSERS, JACKETS, AND COATS FOR MEN AND BOYS; WEARING APPAREL OF WOOL, COTTON, SILK, RAYON, OR COMBINATIONS THEREOF FOR MEN AND BOYS—NAMELY, KNITTED JACKETS, SPORT COATS, VESTS AND SWEATERS, PULLOVERS, SNOW SUITS, STOCKINGS, SOCKS, HALF HOSE, SPORT HOSE, GOLF HOSE AND ANKLETS OF KNITTED, NETTED, OR TEXTILE FABRICS; BATH ROBES, BEACH ROBES, AND SCARFS, MUFFLERS, MITTENS; AND LEATHER AND FABRIC GLOVES.
Claims use since Aug. 26, 1921.

Reg. No. 349,654. Registered Aug. 31, 1937. WEMBLEY CRAVAT CO., INC., New Orleans, La. Republished by Wembley, Inc., New Orleans, La., a corporation of Louisiana.

Wembleytown

FOR NECKTIES.
Claims use since July 1, 1935.

Reg. No. 355,648. Registered Mar. 22, 1938. ROBERT C. KING & COMPANY, New York, N. Y. Republished by Robert C. King & Co., New York, N. Y., a co-partnership.

MENTOG

FOR UNDERWEAR FOR MEN AND BOYS, OF BOTH KNITTED AND WOVEN MATERIAL, MADE OF COTTON, RAYON, MERINO, OR SILK.
Claims use since Oct. 29, 1937.

Reg. No. 356,794. Registered May 10, 1938. SLIPCO, Shelton, Conn. Republished by Slipco, Inc., Shelton, Conn., a corporation of Connecticut.

SLIPCO

FOR WOMEN'S AND MISSES' SLIPS.
Claims use since June 1935.

Reg. No. 357,757. Registered June 14, 1938. JACK TOBIN, Philadelphia, Pa. Republished by Jack Tobin, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



The word "Frocks" is disclaimed apart from the mark as shown.
FOR CHILDREN'S DRESSES.
Claims use since Nov. 17, 1937.

Reg. No. 367,138. Registered May 9, 1939. VOGUE MFG. COMPANY, Newark, N. J. Republished by Vogue Foundations, Inc., Newark, N. J., a corporation of New Jersey.

Vogue
MIS-CHIEF
FOUNDATION

The words "Vogue" and "Foundations" are disclaimed apart from the mark as shown.

FOR CORSETS, BRASSIÈRES, GIRDLES, FOUNDATIONS, BANDETTES, GARTER BELTS, BANDEAUX, AND COMBINATIONS OF CORSETS.
Claims use since July 27, 1938.

Reg. No. 374,185. Registered Jan. 2, 1940. WEBER & HEILBRONER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

COOLTOWN

FOR MEN'S SUITS, SLACKS, OUTER AND UNDER SHIRTS, UNDERWEAR, SOCKS, AND NECKTIES.
Claims use since 1927.

Reg. No. 376,142. Registered Mar. 12, 1940. WEBER & HEILBRONER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

STORMTOWN

FOR MEN'S AND BOYS' HATS, CAPS, OVERCOATS, TOP COATS, RAINCOATS, TROUSERS, JACKETS, COATS, KNITTED JACKETS, SPORT COATS, VESTS, SWEATERS, PULLOVERS, SNOW SUITS, AND LEATHER AND FABRIC GLOVES.
Claims use since Sept. 1, 1939.

Reg. No. 378,011. Registered May 21, 1940. WEMBLEY, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

Poydras

FOR MEN'S NECKTIES AND SCARFS.
Claims use since Nov. 1, 1939.

Reg. No. 378,015. Registered May 21, 1940. WEMBLEY, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.



The word "Wembley" is disclaimed apart from the mark as shown.

FOR MEN'S NECKTIES AND SCARFS.

Claims use since Nov. 1, 1939.

Reg. No. 378,092. Registered May 28, 1940. WEBER AND HEILBRONER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BREEZEWEIGHT

FOR MEN'S SUITS, SLACKS, OUTER AND UNDER SHIRTS, UNDERWEAR, SOCKS, AND NECKWEAR.

Claims use since about June 1927.

Reg. No. 383,398. Registered Dec. 3, 1940. BURLINGTON MILLS CORPORATION, Greensboro, N. C., a corporation of Delaware. Republished by registrant.

BUR-MIL

FOR HOSIERY.

Claims use since June 18, 1940.

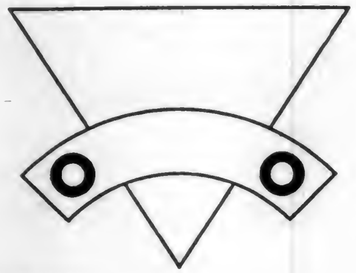
Reg. No. 383,710. Registered Dec. 24, 1940. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.

Waterol

FOR MEN'S HATS.

Claims use since Apr. 1, 1938.

Reg. No. 384,235. Registered Jan. 7, 1941. BURLINGTON MILLS CORPORATION, Greensboro, N. C., a corporation of Delaware. Republished by registrant.



FOR HOSIERY.

Claims use since June 18, 1940.

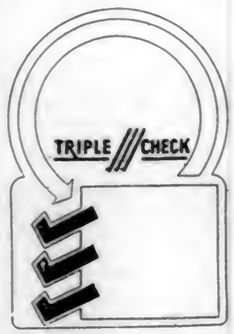
Reg. No. 384,922. Registered Feb. 11, 1941. WEBER AND HEILBRONER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Hy-Rise

FOR WEARING APPAREL OF WOOL, COTTON, SILK, RAYON, OR COMBINATIONS THEREOF FOR MEN AND BOYS—NAMELY, UNDERWEAR, KNITTED JACKETS, SPORT COATS, VESTS, SWEATERS, PULLOVERS, STOCKINGS, SOCKS, HALF HOSE, SPORT HOSE, GOLF HOSE, AND ANKLETS, SWIM SUITS, BATHING SHIRTS, SHORTS AND TRUNKS.

Claims use since Oct. 28, 1939.

Reg. No. 386,708. Registered Apr. 22, 1941. G. C. MURPHY COMPANY, McKeesport, Pa., a corporation of Pennsylvania. Republished by registrant.



The outline representation of the label is disclaimed apart from the mark as shown.

FOR ARTICLES OF PERSONAL APPAREL—NAMELY, CHILDREN'S AND LADIES' RAYON UNDERWEAR, CHILDREN'S COTTON SLIPS, LADIES' SLIPS, LADIES' NIGHTWEAR—NAMELY, PAJAMAS, NIGHTGOWNS, BED JACKETS, AND BATH ROBES; BOYS' KNICKERS AND LONG PANTS, MEN'S AND BOYS' ATHLETIC SHORTS, MEN'S WORK AND DRESS SHIRTS.

Claims use since on or about Aug. 5, 1940.

Reg. No. 388,243. Registered June 17, 1941. MITCHEL SCHNEIDER CO. INC., New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

FLUFFY DOWN
by Michelene

The word "Fluffy" is disclaimed apart from the mark as shown.

FOR LADIES' KNITTED AND TEXTILE UNDERWEAR, PAJAMAS, NEGLIGEES, AND HOUSE COATS.

Claims use since Dec. 1, 1940.

Reg. No. 389,712. Registered Aug. 19, 1941. GOODALL RUBBER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SYNPLASTIC

FOR BOOTS MADE OF SYNTHETIC RUBBER AND FABRIC.

Claims use since 1937.

Reg. No. 391,483. Registered Nov. 11, 1941. WEMBLEY, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.



The wording appearing on the mark and the representation of the necktie are disclaimed apart from the mark as shown.

FOR MEN'S NECKTIES AND SCARFS.

Claims use since Apr. 1, 1939.

Reg. No. 393,144. Registered Jan. 27, 1942. MARTIN JACOBI, INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

TRIM-FLO

The word "Trim" is disclaimed apart from the mark as shown.

FOR MEN'S OUTER SHIRTS.

Claims use since March 1941.

Reg. No. 396,906. Registered Aug. 11, 1942. QUEEN MAID UNDERWEAR CO., INC., Milltown, N. J. Republished by Mitchel Schneider Co. Inc., Brooklyn, N. Y., a corporation of New York.

SPRING TITE

The word "Tite" is disclaimed apart from the mark as shown.

FOR LADIES' UNDERGARMENTS—NAMELY, PETTICOATS, SLIPS, PAJAMAS, NIGHTGOWNS, AND STEPINS.

Claims use since Jan. 5, 1938.

Reg. No. 399,872. Registered Feb. 2, 1943. BURLINGTON MILLS CORPORATION, Greensboro, N. C., a corporation of Delaware. Republished by registrant.



The word "Quality" is disclaimed apart from the mark as shown.

FOR HOSIERY.

Claims use since June 18, 1940.

Reg. No. 404,276. Registered Nov. 16, 1943. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.

His Excellency

FOR MEN'S HATS.

Claims use since April 1941.

Reg. No. 406,142. Registered Mar. 14, 1944. RAINBOW SHOPS, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

SUN CHASERS

FOR FEMININE WEARING APPAREL—NAMELY, BED JACKETS, SPORT JACKETS; ANKLETS; SHOES, BEACH SHOES AND PLAY SHOES MADE OF LEATHER, RUBBER AND FABRIC AND COMBINATIONS OF THE SAME; NECKTIES; SCARFS; LOUNGING AND BEACH ROBES; UNDERWEAR; BATHING SUITS; SUITS; COATS; BLOUSES; OUTER SKIRTS; HOSIERY; PAJAMAS; CORSETS; BRASSIÈRES; SWEATERS; GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS OF THE SAME; KNITTED UNDERWEAR; SLACKS; SLIPS, NIGHTGOWNS; AND NEGLIGEES.

Claims use since January 1936.

Reg. No. 407,153. Registered May 23, 1944. DALTON HAT CO., INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.



FOR MEN'S HATS.
Claims use since Aug. 15, 1941.

Reg. No. 411,708. Registered Jan. 30, 1945. PARKLAND SPORTSWEAR CO., INC., Dallas, Tex., a corporation of Texas. Republished by registrant.

Ruth Ann OF DALLAS

The words "Of Dallas" are disclaimed apart from the mark as shown.
FOR WOMEN'S SPORTSWEAR—NAMELY, DRESSES, SLACK SUITS, SKIRT SUITS, JACKETS, BLOUSES, HOSTESS PAJAMAS, PLAYSUITS, PINAFORES, AND JUMPERS.
Claims use since October 1943.

Reg. No. 414,615. Registered June 19, 1945. DAVID M. ROSENFELD, Philadelphia, Pa. Republished by registrant.



FOR INFANTS' CREEPERS AND INFANT BOYS' BOBBIE SUITS.
Claims use since Apr. 10, 1944.

Reg. No. 416,511. Registered Sept. 18, 1945. LOWELL LINGERIE COMPANY, Lowell, Mass. Republished by Lowell Lingerie Company, Lowell, Mass., a corporation of Massachusetts.

Lucy Larcom

FOR SLIPS FOR WOMEN, MISSES, AND GIRLS.
Claims use since Feb. 7, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 368,028. Registered June 6, 1939. RUSSELL FRASER WIRE COMPANY, New York, N. Y., now by change of name to Fraser Manufacturing Co., Inc. Republished by Fraser Manufacturing Co., Inc., New York, N. Y., a corporation of New York.



FOR GIMP.
Claims use since August 1936.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 94,725. Registered Dec. 30, 1913. DANIEL W. FARNSWORTH, Montclair, N. J., and New York, N. Y. Republished by registrant, present address New York, N. Y.

LAMBSDOWN

FOR FLANNEL AND WOOLEN PIECE GOODS.
Claims use for the last twenty years (prior to Sept. 4, 1913).

Reg. No. 175,825. Registered Nov. 13, 1923. SCHWARZWAELDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Hi N. Dri
THE ANTI PLUIE MAN

FOR WATERPROOFED FABRICS.
Claims use since about January 1923.

Reg. No. 185,804. Registered June 24, 1924. DAVID E. SCHWAB & COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

DESCO

FOR LACES, NETTED AND LACE FABRICS IN THE PIECE, MADE OF COTTON, SILK, ARTIFICIAL SILK, WOOL, OR MIXTURES OF THE SAME.
Claims use since July 2, 1923.

Reg. No. 221,342. Registered Nov. 30, 1926. WEIL & DURRSE, New York, N. Y. Republished by Weil & Durrse, Inc., New York, N. Y., a corporation of New York.



The word "Flanders" is disclaimed apart from the mark as shown.
FOR LINEN FABRICS IN THE PIECE.
Claims use since Oct. 15, 1923.

Reg. No. 226,821. Registered Apr. 19, 1927. HENRY A. DIX & SONS CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

DIMA

FOR PIECE GOODS MADE OF COTTON, SILK, COTTON AND SILK MIXTURE, RAYON, ALPACA, AND MOHAIR.
Claims use since January 1918.

Reg. No. 278,462. Registered Dec. 16, 1930. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.



FOR DUCK SHOWER-BATH CURTAINS.
Claims use since May 3, 1929.

Reg. No. 291,660. Registered Feb. 23, 1932. WILLIAM LIND, doing business as William Lind Co., New York, N. Y. Republished by registrant.

ALRECO

FOR COTTON PIECE GOODS.
Claims use since Apr. 4, 1911.

Reg. No. 310,417. Registered Feb. 27, 1934. WILLIAM LIND, doing business as William Lind Co., New York, N. Y. Republished by registrant.

Countess

FOR NAINSOOK AND COTTON PIECE GOODS.
Claims use since Oct. 27, 1905.

Reg. No. 310,536. Registered Feb. 27, 1934. WILLIAM LIND, doing business as William Lind Co., New York, N. Y. Republished by registrant.



FOR COTTON PIECE GOODS.
Claims use since Sept. 25, 1911.

Reg. No. 310,549. Registered Feb. 27, 1934. WILLIAM LIND, doing business as William Lind Co., New York, N. Y. Republished by registrant.

PHANTOM

FOR COTTON PIECE GOODS.
Claims use since Aug. 20, 1911.

Reg. No. 332,545. Registered Feb. 18, 1936. WILLIAM LIND, doing business as William Lind Co., New York, N. Y. Republished by registrant.



The words "White and Solid Color Cotton Fabrics" and "For All Year Round" are disclaimed apart from the mark as shown.

FOR COTTON PIECE GOODS.
Claims use since July 1, 1935.

Reg. No. 332,546. Registered Feb. 18, 1936. WILLIAM LIND, doing business as William Lind Co., New York, N. Y. Republished by registrant.

EV-R-SO

FOR COTTON PIECE GOODS.
Claims use since July 1, 1935.

Reg. No. 377,630. Registered May 7, 1940. RAYLAINE WORSTEDS, INC., Manchester, N. H., a corporation of New Hampshire. Republished by registrant.

RAYLAINE

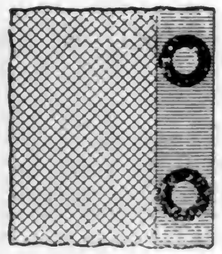
FOR PIECE GOODS OF RAYON AND WOOLEN MIXED.
Claims use since Aug. 1, 1939.

Reg. No. 383,495. Registered Dec. 10, 1940. BURLINGTON MILLS CORPORATION, Greensboro, N. C., a corporation of Delaware. Republished by registrant.

BUR-MIL

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF THREAD OR YARN OF ARTIFICIAL ORIGIN.
Claims use since June 18, 1940.

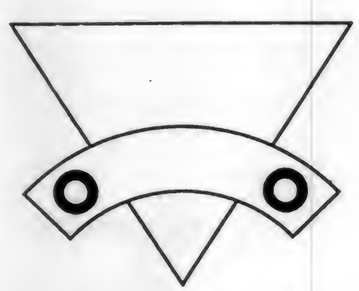
Reg. No. 384,156. Registered Jan. 7, 1941. BURLINGTON MILLS CORPORATION, Greensboro, N. C., a corporation of Delaware. Republished by registrant.



The representation of the section of fabric is disclaimed apart from the mark as shown.

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF THREAD OR YARN OF ARTIFICIAL ORIGIN.
Claims use since January 1937.

Reg. No. 384,236. Registered Jan. 7, 1941. BURLINGTON MILLS CORPORATION, Greensboro, N. C., a corporation of Delaware. Republished by registrant.



FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF THREAD OR YARN OF ARTIFICIAL ORIGIN.
Claims use since June 18, 1940.

Reg. No. 384,373. Registered Jan. 14, 1941. THE FAIR, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FAIRCREST

FOR SHEETS AND PILLOW CASES.
Claims use since Jan. 1, 1910.

Reg. No. 400,620. Registered Mar. 23, 1943. BURLINGTON MILLS CORPORATION, Greensboro, N. C., a corporation of Delaware. Republished by registrant.

BUR-MIL
QUALITY

The word "Quality" is disclaimed apart from the mark as shown.

FOR PIECE GOODS MADE WHOLLY OF THREAD OR YARN OF ARTIFICIAL ORIGIN, OR OF THREAD OR YARN OF ARTIFICIAL ORIGIN IN COMBINATION WITH NATURAL FIBERS SUCH AS WOOL, COTTON, SILK, LINEN, JUTE, SISAL, RAMIE, AND KAPOK.
Claims use since June 18, 1940.

Reg. No. 404,746. Registered Dec. 21, 1943. R. WOLFENDEN & SONS, Attleboro, Mass., a firm. Republished by registrant.

WOLFENIZED

FOR PIECE GOODS, WOVEN OR KNITTED, AND MADE WHOLLY OR PARTLY OF COTTON, WOOLEN, SILK, OR RAYON.
Claims use since July 1, 1942.

CLASS 43

THREAD AND YARN

Reg. No. 404,590. Registered Dec. 7, 1943. R. WOLFENDEN & SONS, Attleboro, Mass., a firm. Republished by registrant.

WOLFENIZED

FOR YARN.
Claims use since July 1, 1942.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 89,337. Registered Dec. 10, 1912. BROOKS RUPTURE APPLIANCE CO., Marshall, Mich. Republished by Brooks Appliance Company, Inc., Marshall, Mich., a corporation of Michigan.



FOR RUPTURE APPLIANCES.
Claims use since June 10, 1912.

Reg. No. 162,754. Registered Dec. 26, 1922. HUGO FRIEDMAN, doing business as The Hu-Friedy Mfg. Co., Chicago, Ill. Republished by registrant.

IMMUNITY

FOR EXTRACTING ELEVATORS, DENTAL SURGICAL CURETTES, OPERATING KNIVES, HEMOSTATS, SEALERS, CHISELS, MOUTH GAGS, MOUTH PROPS, SCISSORS, RETRACTORS, BURRS, AND SURGICAL MALLETS.
Claims use since about April 1921.

Reg. No. 332,743. Registered Feb. 25, 1936. HARDWOOD PRODUCTS COMPANY, Mayville, Mich., and Guilford, Maine, a co-partnership. Republished by registrant, present address Mayville, Mich.



FOR TOOTHPICKS.
Claims use since June 8, 1922.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 122,196. Registered July 9, 1918. THE DELAWARE PUNCH COMPANY OF TEXAS, San Antonio, Tex. Republished by The Delaware Punch Company of America, San Antonio, Tex., a corporation of Delaware.



FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND EXTRACTS AND SYRUPS FOR MAKING THE SAME.
Claims use since June 1, 1914.

Reg. No. 227,639. Registered May 10, 1927. H. C. SCHRANCK COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



All the printed words appearing in the drawing are disclaimed apart from the mark as shown except the name "H. C. Schranck Company" as shown upon the letter "S" and the words "Established 1876."
FOR EXTRACTS, SIRUPS, AND CONCENTRATES FOR MAKING NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Dec. 10, 1907.

Reg. No. 237,725. Registered Jan. 17, 1928. THE FISHER BROTHERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The words "Choice Groceries" are disclaimed apart from the mark as shown.
FOR ROOT BEER, GNGER ALE, ORANGE SODA, AND LEMON SODA.
Claims use since June 1, 1921.

Reg. No. 238,145. Registered Jan. 31, 1928. THE COCA COLA COMPANY, Atlanta, Ga. Republished by The Coca-Cola Company (1936), New York, N. Y., a corporation of Delaware.

COCA-COLA

FOR BEVERAGES AND SYRUPS FOR THE MANUFACTURE OF SUCH BEVERAGES.
Claims use since May 1886.

Reg. No. 238,146. Registered Jan. 31, 1928. THE COCA COLA COMPANY, Atlanta, Ga. Republished by The Coca-Cola Company (1936), New York, N. Y., a corporation of Delaware.

Coca-Cola

FOR BEVERAGES AND SYRUPS FOR THE MANUFACTURE OF SUCH BEVERAGES.
Claims use since May 1886.

Reg. No. 239,404. Registered Mar. 6, 1928. ROY BALDWIN, doing business as Baldwin's Extract & Flavor Co., Columbus, Ohio. Republished by registrant.

U—SEE

FOR NONALCOHOLIC, MALTLESS BEVERAGES AND EXTRACTS OR SYRUPS FOR PRODUCING THE SAME.
Claims use since Sept. 22, 1927.

Reg. No. 332,208. Registered Feb. 4, 1936. CLAYTON J. HOWEL, Chicago, Ill. Republished by Wonder-Orange Co., Chicago, Ill., a corporation of Illinois.

WONDER

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Sept. 1, 1934.

Reg. No. 412,311. Registered Feb. 27, 1945. IRA H. SCHROEDER, doing business as Cinch Beverage Co., Kansas City, Mo. Republished by The Cinch Company, Kansas City, Mo., a corporation of Missouri.

CINCH

FOR SYRUP AND EXTRACTS FOR PREPARING NONALCOHOLIC, MALTLESS BEVERAGES IN THE NATURE OF SOFT DRINKS.
Claims use since Oct. 6, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 40,738. Registered July 7, 1903. OKLAHOMA CITY MILL & ELEVATOR CO., Oklahoma, Okla. Republished by Rival Foods, Inc., Cambridge, Mass., a corporation of Massachusetts.



FOR FLOUR.
Claims use since about May 1, 1899.

Reg. No. 77,567. Registered Apr. 19, 1910. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DR PRICE'S
DELICIOUS FLAVORING
EXTRACT

FOR FLAVORING EXTRACTS.
Claims use since January 1888.

Reg. No. 80,756. Registered Jan. 31, 1911. BLACKWELL MILLING & ELEVATOR COMPANY, Blackwell, Okla. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.

TITLE

FOR WHEAT FLOUR.
Claims use since July 16, 1910.

Reg. No. 81,535. Registered Apr. 18, 1911. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

LITTLE COOK

FOR CURRANTS.
Claims use since July 1, 1907.

Reg. No. 81,536. Registered Apr. 18, 1911. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

Santa Claus

FOR CURRANTS.
Claims use since July 1, 1900.

Reg. No. 81,537. Registered Apr. 18, 1911. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

RED RIBBON

FOR MINCE MEAT.
Claims use since Aug. 1, 1895.

Reg. No. 81,538. Registered Apr. 18, 1911. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

GRECIAN

FOR CURRANTS.
Claims use since Aug. 1, 1893.

Reg. No. 81,892. Registered May 16, 1911. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

A B C

FOR MINCE MEAT.
Claims use since Aug. 1, 1903.

Reg. No. 82,225. Registered June 13, 1911. GORTON-PEW FISHERIES COMPANY, Gloucester, Mass. Republished by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass., a corporation of Massachusetts.

CLOVER♣LEAF

FOR CODFISH AND SALT MACKEREL.
Claims use since Feb. 23, 1878.

Reg. No. 85,667. Registered Mar. 5, 1912. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

BLUE RIBBON

FOR MINCE-MEAT.
Claims use since July 1, 1895.

Reg. No. 86,342. Registered Apr. 30, 1912. SOUTH LAKE APOPKA CITRUS GROWERS ASS'N, Oakland, Fla., a corporation of Florida. Republished by registrant.



FOR ORANGES, LEMONS, GRAPEFRUIT, TANGERINES, AND LIMES.
Claims use since Dec. 1, 1911.

Reg. No. 91,103. Registered Apr. 15, 1913. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

GOLD RIBBON

FOR MINCE-MEAT.
Claims use since Nov. 20, 1912.

Reg. No. 92,821. Registered July 29, 1913. THE OHIO BUTTERINE COMPANY, Cincinnati, Ohio. Republished by The Churngold Corporation, Cincinnati, Ohio, a corporation of Delaware.

"O-K"

FOR OLEOMARGARIN.
Claims use since 1900.

Reg. No. 94,023. Registered Oct. 28, 1913. THE OHIO BUTTERINE COMPANY, Cincinnati, Ohio. Republished by The Churngold Corporation, Cincinnati, Ohio, a corporation of Delaware.

CHURNGOLD

FOR OLEOMARGARIN.
Claims use since Sept. 1, 1909.

Reg. No. 97,229. Registered May 26, 1914. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since June 8, 1911.

Reg. No. 97,935. Registered June 30, 1914. THE ANDREW ROHAN CO., Cincinnati, Ohio. Republished by The Churngold Corporation, Cincinnati, Ohio, a corporation of Delaware.

RED RIBBON

FOR BUTTER AND CHEESE.
Claims use since June 1904.

Reg. No. 99,212. Registered Aug. 25, 1914. HAWAIIAN PINEAPPLE CO., LTD., Honolulu, Territory of Hawaii. Republished by Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation of the Territory of Hawaii.

PLANTATION

FOR CANNED PINEAPPLE.
Claims use since May 1909.

Reg. No. 99,213. Registered Aug. 25, 1914. HAWAIIAN PINEAPPLE CO., LTD., Honolulu, Territory of Hawaii. Republished by Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation of the Territory of Hawaii.

PARADISE ISLAND

FOR CANNED PINEAPPLE.
Claims use since July 1903.

Reg. No. 103,430. Registered Apr. 6, 1915. HAWAIIAN PINEAPPLE CO., LTD., Honolulu, Territory of Hawaii. Republished by Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Honolulu, Territory of Hawaii, a corporation of the Territory of Hawaii.



The drawing is lined for the colors red and blue.
FOR CANNED PINEAPPLES.
Claims use since August 1910.

Reg. No. 105,274. Registered July 13, 1915. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR FOOD FLAVORING, EXTRACTS AND JELLY POWDER.
Claims use since Jan. 7, 1915.

Reg. No. 106,957. Registered Nov. 9, 1915. FUHRER-FORD MILLING CO., Mount Vernon, Ind. Republished by Fuhrer-Ford Milling Co., Mount Vernon, Ind., a corporation of Indiana.



FOR WHEAT FLOUR.
Claims use since 1883.

Reg. No. 107,366. Registered Nov. 23, 1915. THE OHIO BUTTERINE COMPANY, Cincinnati, Ohio. Republished by The Churngold Corporation, Cincinnati, Ohio, a corporation of Delaware.

CHURNWELL

FOR OLEOMARGARIN.
Claims use since July 8, 1913.

Reg. No. 107,934. Registered Jan. 4, 1916. THE OHIO BUTTERINE COMPANY, Cincinnati, Ohio. Republished by The Churngold Corporation, Cincinnati, Ohio, a corporation of Delaware.

CURNGOLD

FOR OLEOMARGARIN.
Claims use since Aug. 11, 1915.

Reg. No. 109,122. Registered Mar. 21, 1916. THE OHIO BUTTERINE COMPANY, Cincinnati, Ohio. Republished by The Churngold Corporation, Cincinnati, Ohio, a corporation of Delaware.



The ribbon is shaded to indicate blue coloring.
FOR OLEOMARGARIN.
Claims use since May 17, 1912.

Reg. No. 119,100. Registered Oct. 23, 1917. THE MIDLAND MILLING COMPANY, Kansas City, Mo., assignor to Midland Milling Company. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.



FOR WHEAT FLOUR.
Claims use since May 1, 1917.

Reg. No. 119,461. Registered Nov. 20, 1917. THE MIDLAND MILLING COMPANY, Kansas City, Mo. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.

SOMBRERO



FOR WHEAT FLOUR.
Claims use since June 7, 1917.

Reg. No. 120,278. Registered Jan. 29, 1918. THE MIDLAND MILLING COMPANY, Kansas City, Mo., assignor to Midland Milling Company. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.



FOR WHEAT FLOUR.
Claims use since May 1, 1917.

Reg. No. 120,886. Registered Mar. 12, 1918. MANTECA CANNING COMPANY, Stockton and Manteca, Calif., a corporation of California. Republished by registrant, present address Manteca, Calif.

MANTECA LADY



FOR CANNED TOMATOES, CANNED PIMENTOS, CANNED SWEET POTATOES, CANNED STRING BEANS, CANNED ASPARAGUS, CANNED BLACKBERRIES, CANNED STRAWBERRIES, CANNED APRICOTS, CANNED PEACHES, CANNED PLUMS, CANNED PEAS, AND CANNED TOMATO PURÉE.

Claims use since June 1, 1914.

Reg. No. 120,887. Registered Mar. 12, 1918. MANTECA CANNING COMPANY, Stockton and Manteca, Calif., a corporation of California. Republished by registrant, present address Manteca, Calif.

War Dance

FOR CANNED TOMATOES WITH PURÉE, CANNED TOMATO PURÉE, CANNED PEARS, CANNED PLUMS, CANNED PEACHES, CANNED APRICOTS, CANNED STRAWBERRIES, CANNED ASPARAGUS, CANNED STRING BEANS, CANNED SWEET POTATOES, AND CANNED PIMENTOS.

Claims use since June 1, 1914.

Reg. No. 122,809. Registered Sept. 17, 1918. THE OHIO BUTTERINE COMPANY, Cincinnati, Ohio. Republished by The Churngold Corporation, Cincinnati, Ohio, a corporation of Delaware.

KERNEL

FOR OLEOMARGARIN.

Claims use since Feb. 11, 1918.

Reg. No. 123,346. Registered Oct. 29, 1918. GORTON-PEW FISHERIES CO., Gloucester, Mass. Republished by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass., a corporation of Massachusetts.

GOLD WEDGE

FOR DRIED BONELESS FISH.

Claims use since Apr. 17, 1888.

Reg. No. 124,097. Registered Jan. 14, 1919. THE HALSTEAD MILLING & ELEVATOR CO., Halstead, Kans. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.

SECOND TO NONE

FOR WHEAT FLOUR.

Claims use since April 1891.

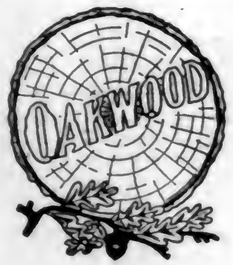
Reg. No. 125,646. Registered June 3, 1919. HAWAIIAN PINEAPPLE CO. LTD., Honolulu, Territory of Hawaii. Republished by Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Honolulu, Territory of Hawaii, a corporation of the Territory of Hawaii.

UKULELE

FOR CANNED PINEAPPLES.

Claims use since Nov. 16, 1916.

Reg. No. 126,331. Registered Aug. 19, 1919. OTTAWA MILLING COMPANY, Kansas City, Mo., and Ottawa, Kans. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.



FOR WHEAT FLOUR.

Claims use since Nov. 14, 1918.

Reg. No. 128,246. Registered Dec. 30, 1919. LA HABRA CITRUS ASSOCIATION, La Habra, Calif. Republished by registrant.

SHEPHERD

FOR FRESH LEMONS.

Claims use since Nov. 1, 1917.

Reg. No. 128,415. Registered Jan. 6, 1920. KEYSTONE MACARONI COMPANY, Lebanon, Pa. Republished by Keystone Macaroni Mfg. Co., Lebanon, Pa., a corporation of Pennsylvania.

San Giorgio



FOR MACARONI.

Claims use since Feb. 1, 1916.

Reg. No. 130,510. Registered Apr. 27, 1920. HAWAIIAN PINEAPPLE COMPANY, LIMITED, Iwilei and Honolulu, Territory of Hawaii. Republished by Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation of the Territory of Hawaii.

SEA ISLAND

FOR CANNED PINEAPPLES.

Claims use since June 15, 1915.

Reg. No. 132,737. Registered June 29, 1920. MANTECA CANNING COMPANY, Manteca, Calif., a corporation of California. Republished by registrant.

PACKRITE

FOR CANNED FRUITS—NAMELY, CANNED PEACHES AND CANNED APRICOTS; CANNED VEGETABLES—NAMELY, CANNED TOMATOES.

Claims use since June 1, 1919.

Reg. No. 136,930. Registered Nov. 9, 1920. SEACOAST CANNING CO., Eastport, Maine. Republished by Seaboard Packing Company, Lubec, Maine, a corporation of Maine.

NEPTUNE

FOR CANNED SARDINES.

Claims use since August 1899.

Reg. No. 144,343. Registered July 5, 1921. BEAR CREEK ORCHARDS, Medford, Oreg., a firm. Republished by registrant.

BEAR CREEK

FOR FRESH DECIDUOUS FRUITS.

Claims use since August 1900.

Reg. No. 146,959. Registered Sept. 27, 1921. BRYANT & COMPANY, Portland, Oreg. Republished by Paulus Bros. Packing Co., Salem, Oreg., a corporation of Oregon.

FARWEST

FOR CANNED FISH AND CANNED BERRIES.

Claims use since May 5, 1919.

Reg. No. 160,621. Registered Oct. 24, 1922. PAXTON & GALLAGHER CO., Omaha, Nebr., a corporation of Nebraska. Republished by registrant.

GRAND CANON



FOR CANNED VEGETABLES—NAMELY, PEAS; CANNED FRUITS—NAMELY, PLUMS, GRAPES, APRICOTS, PEACHES, BLACKBERRIES, PEARS, CHERRIES, SLICED PINEAPPLE, RED RASPBERRIES, AND STRAWBERRIES.

Claims use since May 17, 1904.

Reg. No. 166,248. Registered Mar. 27, 1923. POINT ADAMS PACKING CO., Hammond, Oreg., a corporation of Oregon. Republished by registrant.

SEA-BIRD

FOR CANNED SALMON.

Claims use since Sept. 23, 1921.

Reg. No. 170,401. Registered July 17, 1923. FILICE & PERRELLI CANNING COMPANY, INC., Gilroy, Calif., a corporation of California. Republished by registrant, present address Richmond, Calif.

CALA RIPE

FOR CANNED FRUITS AND VEGETABLES.

Claims use since June 1, 1922.

Reg. No. 171,335. Registered Aug. 7, 1923. FRANK G. SHATTUCK COMPANY, New York, N. Y., a corporation of Massachusetts. Republished by registrant.

D'OR ELEGANTE

FOR CANDY.

Claims use since Nov. 10, 1922.

Reg. No. 174,518. Registered Oct. 16, 1923. GORTON-PEW FISHERIES COMPANY, Gloucester, Mass. Republished by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass., a corporation of Massachusetts.



The representation of fish-cakes is disclaimed apart from the mark as shown.

FOR POTATOES AND SALT FISH COMBINED FOR FISH CAKES.

Claims use since Nov. 14, 1919.

Reg. No. 174,601. Registered Oct. 23, 1923. GORTON-PEW FISHERIES COMPANY, Gloucester, Mass. Republished by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass., a corporation of Massachusetts.

MOTHER ANN

FOR SALT CODFISH.

Claims use since Jan. 17, 1899.

Reg. No. 176,640. Registered Nov. 27, 1923. THE UBIKO MILLING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant, present address St. Bernard, Ohio.

CRUSADER

FOR STOCK FEED, PARTICULARLY HORSE AND MULE FEED.

Claims use since May 17, 1922.

Reg. No. 179,471. Registered Feb. 12, 1924. EDWARD V. STOCKHAM INC., Havre de Grace, Md., a corporation of Maryland. Republished by registrant.



FOR PORK AND BEANS AND CANNED CONCENTRATED STRAINED TOMATOES.

Claims use since March 1915.

Reg. No. 181,555. Registered Mar. 25, 1924. HAAS-LIEBER GROCERY COMPANY, St. Louis, Mo. Republished by The Cobcut Company, St. Louis, Mo., a corporation of Missouri.

COBCUT

The trade-mark consists of the letters forming the word "Cobcut," each of said letters being bordered by a gold margin.

FOR CANNED GOODS—NAMELY, CORN.

Claims use since Dec. 16, 1908.

Reg. No. 184,085. Registered May 20, 1924. OLYMPIA CANNING COMPANY, Olympia, Wash., a corporation of Washington. Republished by registrant.



FOR CANNED FRUITS—NAMELY, BLACKBERRIES, RASPBERRIES, LOGANBERRIES, AND PEARS.

Claims use since March 1921.

Reg. No. 185,327. Registered June 10, 1924. W. L. BENCHLEY, doing business as Benchley Fruit Co., Fullerton, Calif. Republished by Eadington Fruit Company, Fullerton, Calif., a corporation of California.

IMPERIAL

FOR FRESH CITRUS FRUITS.

Claims use since Apr. 16, 1923.

Reg. No. 194,624. Registered Feb. 3, 1925. SOUTH LAKE APOPKA CITRUS GROWERS ASS'N, Oakland, Fla., a corporation of Florida. Republished by registrant.



FOR FRESH CITROUS FRUITS, EXCEPT LEMONS.

Claims use since Oct. 10, 1923.

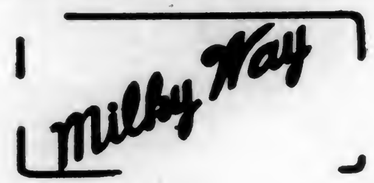
Reg. No. 196,039. Registered Mar. 10, 1925. FRANK G. SHATTUCK COMPANY, New York, N. Y., a corporation of Massachusetts. Republished by registrant.

Floragold

FOR CANDY.

Claims use since Oct. 27, 1924.

Reg. No. 196,182. Registered Mar. 10, 1925. FRANK C. MARS, doing business as Mar-O-Bar Company, Minneapolis, Minn. Republished by Mars, Incorporated, Chicago, Ill., a corporation of Delaware.



FOR CANDY.

Claims use since 1922.

Reg. No. 197,362. Registered Apr. 14, 1925. MARTIN C. WAHL, El Centro, Calif. Republished by registrant.

CARDINAL

FOR FRESH CANTALOUPES AND LETTUCE.

Claims use since Apr. 1, 1924.

Reg. No. 197,918. Registered Apr. 28, 1925. HAAS-LIEBER GROCERY COMPANY, St. Louis, Mo. Republished by General Grocer Company, St. Louis, Mo., a corporation of Delaware.



Each of the letters of which the trade-mark is comprised is surrounded by a gold border.

FOR CANNED GOODS—NAMELY, CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, CANNED FISH, CHILI SAUCE, CATCHUP, HOMINY, SAUERKRAUT, BEANS WITH PORK, ASSORTED FRUITS FOR SALAD, TUNNY FISH AND LOBSTER.

Claims use since Oct. 4, 1923.

Reg. No. 205,659. Registered Nov. 10, 1925. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Banner

FOR PICKLES.

Claims use since December 1922.

Reg. No. 211,407. Registered Apr. 13, 1926. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BANQUET

FOR PICKLES.

Claims use since 1915.

Reg. No. 213,955. Registered June 8, 1926. SHELMORE OYSTER PRODUCTS COMPANY, Charleston, S. C., a corporation of South Carolina. Republished by registrant.

CRYSTAL BAY

FOR CANNED OYSTERS AND CANNED VEGETABLES.

Claims use since 1922.

Reg. No. 215,580. Registered July 20, 1926. MEYER & LANGE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AUGOURMET



FOR ANCHOVIES, ANTIPASTO, APPLE SAUCE, ARTICHOKE BOTTOMS, CANNED ASPARAGUS, BISCUITS IN THE NATURE OF CRACKERS, CANNED BRUSSELS SPROUTS, PICKLED BEETS, CAPERS, CAVIAR, CHEESE, CANNED CORN, CRANBERRY SAUCE, CRAB MEAT, NONALCOHOLIC CREME DE

MENTHE FOR FOOD PURPOSES, CURRY POWDER, DATES, DRIED FIGS, AND FIGS IN SIRUP, GRENADINE FOR FOOD PURPOSES, GREEN-TURTLE SOUP, GREEN-TURTLE MEAT, HONEY, HARICOTS, FRUIT JAMS AND JELLIES, MARASCHINO CHERRIES, MUSHROOMS, OLIVES, OLIVE OIL, ORGEAT SIRUP FOR FOOD PURPOSES, PAPRIKA, CANNED PEAS, CANNED AND PICKLED ONIONS, PRUNES STUFFED, PIMENTOS, DRIED RAISINS IN CLUSTERS, STRAWBERRY SIRUP FOR FOOD PURPOSES, RASPBERRY SIRUP FOR FOOD PURPOSES, SARDINES, SALMON, SHAD ROE, CANNED TOMATOES, TOMATO CATCHUP, AND TUNNY FISH IN TINS, GLASS, AND CARTONS.

Claims use since about 1889.

Reg. No. 219,067. Registered Oct. 12, 1926. WESTERN OREGON PACKING CORPORATION, Corvallis, Oreg., a corporation of Oregon. Republished by registrant.

Mountainview

FOR CANNED FRUITS, BERRIES, AND VEGETABLES.

Claims use since 1908.

Reg. No. 221,430. Registered Nov. 30, 1926. THE J. M. SMUCKER CO., Orrville, Ohio, a corporation of Ohio. Republished by registrant.

EVERY MEAL

FOR APPLE BUTTER, PEACH BUTTER, JELLY, FRUIT PRESERVES, AND MUSTARD.

Claims use since Jan. 1, 1921.

Reg. No. 222,347. Registered Dec. 28, 1926. PAXTON & GALLAHER CO., Omaha, Nebr., a corporation of Nebraska. Republished by registrant.

WINDMILL

FOR CANNED PEACHES, RAISINS, EVAPORATED RASPBERRIES, EVAPORATED PEACHES, OLIVES, RICE, PEANUT BUTTER, TEA, COFFEE, FOOD SIRUP, CANNED CORN, PICKLES, MACARONI, VINEGAR, AND CANNED SALMON.

Claims use since 1904.

Reg. No. 226,582. Registered Apr. 12, 1927. THE SMOKED SALT COMPANY, Cincinnati, Ohio. Republished by Cutler-Magner Company, Duluth, Minn., a corporation of Minnesota.

SMOKED SALT

The words "Smoked Salt" are disclaimed apart from the mark as shown.

FOR SALT.

Claims use since on or about July 1, 1925.

Reg. No. 229,855. Registered July 5, 1927. MARTIN C. WAHL, El Centro, Calif. Republished by registrant.

BARBARA WORTH



The name "Barbara Worth" is disclaimed apart from the mark as shown.

FOR FRESH CANTALOUPES AND FRESH VEGETABLES.

Claims use since Feb. 23, 1926.

Reg. No. 241,804. Registered May 8, 1928. COLLIN COUNTY MILL & ELEVATOR CO., McKinney, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

COLLIN COUNTY MILL & ELEVATOR CO McKINNEY TEXAS

EL ORGULLO DE TEXAS

The words "McKinney, Texas" are disclaimed apart from the mark as shown.

FOR WHEAT FLOUR.

Claims use since May 1, 1926.

Reg. No. 241,805. Registered May 8, 1928. COLLIN COUNTY MILL & ELEVATOR CO., McKinney, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

COLLIN COUNTY MILL & ELEVATOR CO



FLOR DE McKINNEY

The words "Collin County Mill & Elevator Co." are disclaimed apart from the mark as shown.

FOR WHEAT FLOUR.

Claims use since May 1, 1926.

Reg. No. 251,744. Registered Jan. 15, 1929. FRUIT PRODUCTS COMPANY OF FLORIDA, Eagle Lake, Fla. Republished by Floridagold Citrus Corporation, Lake Alfred, Fla., a corporation of Florida.

FLORIDAGOLD BRAND

The word "Brand" is disclaimed apart from the mark as shown.

FOR GRAPEFRUIT JUICE AND ORANGE JUICE FOR FOOD PURPOSES.

Claims use since 1925.

Reg. No. 251,774. Registered Jan. 15, 1929. JOHN O. GILBERT CHOCOLATE COMPANY, Jackson, Mich., a corporation of Michigan. Republished by registrant.



The drawing is lined to indicate the color blue.

FOR CANDY.

Claims use since June 1, 1928.

Reg. No. 285,547. Registered July 28, 1931. PURITAN MILLS, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

BIG BOY

FOR STOCK AND DAIRY FEEDS.

Claims use since January 1918.

Reg. No. 287,601. Registered Sept. 29, 1931. WORCESTER SALT COMPANY, New York, N. Y. Republished by Kerr Salt Company, Philadelphia, Pa., a corporation of Delaware.

WHITEROCK

FOR SALT.

Claims use since June 15, 1929.

Reg. No. 291,445. Registered Feb. 9, 1932. TEXACO SALT PRODUCTS COMPANY, New York, N. Y. Republished by The Barton Salt Company, Hutchison, Kans., a corporation of Kansas.

COOK BOOK

FOR SALT.

Claims use since June 30, 1931.

Reg. No. 294,648. Registered June 7, 1932. PURITAN MILLS, Atlanta, Ga., a corporation of Georgia. Republished by registrant.



FOR HORSE AND MULE FEEDS, POULTRY FEEDS, DAIRY FEEDS, AND STOCK FEEDS.

Claims use since Feb. 11, 1930.

Reg. No. 294,652. Registered June 7, 1932. PURITAN MILLS, Atlanta, Ga., a corporation of Georgia. Republished by registrant.



FOR MIXED FEEDS FOR POULTRY.
Claims use since Sept. 16, 1930.

Reg. No. 297,952. Registered Oct. 4, 1932. PURITAN MILLS, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

The word "Variety" is disclaimed apart from the mark as shown.
FOR MIXED FEEDS FOR POULTRY, COWS, HORSES, AND MULES.
Claims use since Apr. 1, 1930.

Reg. No. 301,063. Registered Feb. 14, 1933. LA VERNE ORANGE ASSOCIATION, La Verne, Calif., a corporation of California. Republished by registrant.

LAVERNE RANCHO

FOR FRESH CITRUS FRUITS.
Claims use since on or about Aug. 5, 1922.

Reg. No. 314,202. Registered June 19, 1934. AKTIEBOLAGET SVERIGES FORENADE KONSERVFABRIKER, Gottenborg, Sweden, a corporation of Sweden. Republished by registrant.



FOR CANNED ANCHOVY, HERRING TIDBITS, CAVIAR AND FISH BALLS.
Claims use since 1898.

Reg. No. 318,554. Registered Oct. 30, 1934. INTERNATIONAL PRODUCTS CORPORATION, New York, N. Y. Republished by Republic Food Products Co., Chicago, Ill., a corporation of Illinois.



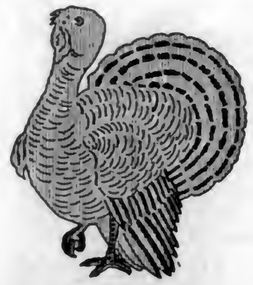
FOR FOOD PRODUCTS IN TIN AND GLASS RECEPTACLES—NAMELY, CORNED BEEF, WAFER SLICED BEEF, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since May 13, 1931.

Reg. No. 322,812. Registered Mar. 19, 1935. LA VERNE ORANGE ASSOCIATION, La Verne, Calif., a corporation of California. Republished by registrant.

La Verne Heights

FOR FRESH CITRUS FRUITS.
Claims use since July 11, 1934.

Reg. No. 330,585. Registered Dec. 10, 1935. STANDARD MILLING COMPANY, New York, N. Y. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.



RED TURKEY

The drawing is lined for the color red.
FOR WHEAT FLOUR AND MILL FEEDS SUCH AS GRAY SHORTS, PURE WHEAT BRAN, AND PURE WHEAT FANCY WHITE MIDDLINGS.
Claims use since August 1906.

Reg. No. 338,078. Registered Aug. 25, 1936. SUNNY HILLS RANCH, INC., Fullerton, Calif., a corporation of California. Republished by registrant.

SUNNY HILLS

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 28, 1936.

Reg. No. 340,824. Registered Nov. 24, 1936. EADINGTON FRUIT COMPANY, Fullerton, Calif., a corporation of California. Republished by registrant.

GOOD ORANGES
BRAND
EADINGTON FRUIT COMPANY

The words "Good Oranges Brand" are disclaimed apart from the mark as shown.
FOR FRESH ORANGES.
Claims use since 1924.

Reg. No. 344,392. Registered Mar. 23, 1937. GEORGE SANTIKIAN, doing business as Pacific Raisin Company, Fowler, Calif. Republished by Pacific Raisin Company, Incorporated, Fowler, Calif., a corporation of California.

SELMOR BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR DRIED FRUITS, RAISINS, AND DRIED BLACK GRAPES.
Claims use since 1925.

Reg. No. 350,174. Registered Sept. 21, 1937. GEORGE SANTIKIAN, doing business as Pacific Raisin Company, Fowler, Calif. Republished by Pacific Raisin Company, Incorporated, Fowler, Calif., a corporation of California.

PACIFIC BRAND

PACKED BY
PACIFIC RAISIN CO.
FOWLER. CALIF.

The words "Brand," "Packed by," and "Fowler, Calif." are disclaimed apart from the mark as shown.
FOR RAISINS.
Claims use since 1925.

Reg. No. 350,929. Registered Oct. 12, 1937. VALLEY EVAPORATING CO., Yakima, Wash., a corporation of Washington. Republished by registrant.

Southern Special

The word "Special" is disclaimed apart from the mark as shown.
FOR EVAPORATED FRUIT.
Claims use since Oct. 2, 1934.

Reg. No. 353,512. Registered Jan. 11, 1938. LYNCHBURG MILLING COMPANY, Lynchburg, Va., a corporation of Virginia. Republished by registrant.

DOLLY MADISON

The name "Dolly Madison" is that of a deceased celebrity.
FOR WHEAT FLOUR.
Claims use since 1911.

Reg. No. 358,310. Registered July 5, 1938. J. R. BARNETT, INC., Harlingen, Tex., a corporation of Texas. Republished by registrant.

MAGIC WAND

FOR FRESH VEGETABLES—NAMELY, TOMATOES, SPINACH, BEETS, LETTUCE, POTATOES, CARROTS, AND ONIONS; AND FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Oct. 10, 1927.

Reg. No. 359,416. Registered Aug. 16, 1938. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address, North Kansas City, Mo.

1140

The drawing is lined for shading only.
FOR WHEAT FLOUR.
Claims use since Dec. 20, 1935.

Reg. No. 361,746. Registered Nov. 1, 1938. EADINGTON FRUIT COMPANY, Fullerton, Calif., a corporation of California. Republished by registrant.

DULCE

EADINGTON FRUIT CO.

The word "Dulce" is disclaimed apart from the mark as shown.
FOR FRESH ORANGES.
Claims use since 1928.

Reg. No. 365,882. Registered Mar. 21, 1939. SUNSET FRUIT CO., Yuba City, Calif. Republished by Santa Clara Packing Company, San Jose, Calif., a corporation of California.

Glorious BRAND

The word "Brand" is disclaimed.
FOR CANNED FRUITS.
Claims use since Jan. 14, 1938.

Reg. No. 368,974. Registered July 11, 1939. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.



Armor Clad

The drawing is lined for shading only.
FOR WHEAT FLOUR.
Claims use since Oct. 27, 1926.

Reg. No. 375,942. Registered Mar. 5, 1940. FRUITVALE CANNING COMPANY, Oakland, Calif., a corporation of California. Republished by registrant.

OAK VALE

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since Aug. 2, 1939.

Reg. No. 378,311. Registered June 4, 1940. DIETRICH & GAMBRILL, INC., Frederick, Md. Republished by The Price-Wilhoite Company, Frederick, Md., a corporation of Maryland.

D&G

BLUE RIBBON

FOR DOG FOOD.
Claims use since Sept. 15, 1939.

Reg. No. 398,230. Registered Oct. 20, 1942. AL. MASSERA, Watsonville, Calif. Republished by Wilma Massera, doing business as Al. Massera, Watsonville, Calif.

SWISS MISS

The word "Swiss" is disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES.
Claims use since June 1938.

Reg. No. 403,966. Registered Oct. 26, 1943. R. C. NICOLL, doing business as Valerie Jean Date Shop, Thermal, Calif. Republished by registrant.



FOR PACKAGES CONTAINING DATE CAKE, DATE CANDY, STUFFED DATES, AND FRESH DATES.
Claims use since September 1939.

Reg. No. 407,411. Registered June 6, 1944. VALLEY EVAPORATING COMPANY, Yakima, Wash., a corporation of State of Washington. Republished by registrant.

TRITON

FOR DEHYDRATED FRUITS AND VEGETABLES.
Claims use since July 22, 1927.

Reg. No. 412,355. Registered Mar. 6, 1945. LA HABRA CITRUS ASSOCIATION, La Habra, Calif., a corporation of California. Republished by registrant.



The word "Brand" is disclaimed apart from the mark as shown. No registration rights are claimed herein in the name "La Habra Citrus Ass'n" apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since 1913.

Reg. No. 416,695. Registered Sept. 25, 1945. FERDINAND DALO, SR., doing business as F. Dalo, Sharon, Pa. Republished by registrant.



FOR CANDY.
Claims use since Sept. 15, 1937.

Reg. No. 419,610. Registered Feb. 26, 1946. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio, a corporation of Delaware. Republished by registrant.

"NEW TOP"

FOR HYDROGENATED VEGETABLE SHORTENING.
Claims use since September 1943.

Reg. No. 420,914. Registered May 7, 1946. JOE MAGGIO, Holtville, Calif. Republished by registrant.

DOE

FOR FRESH VEGETABLES.
Claims use since Jan. 1, 1944.

Reg. No. 424,520. Registered Oct. 8, 1946. COASTAL CANNING CORPORATION, Philadelphia, Pa., a corporation of New York. Republished by registrant.

TAM

FOR CANNED DOG FOOD.
Claims use since Dec. 27, 1945.

Reg. No. 424,521. Registered Oct. 8, 1946. COASTAL CANNING CORPORATION, Philadelphia, Pa., a corporation of New York. Republished by registrant.

CO-CO

FOR CANNED DOG FOOD.
Claims use since Dec. 27, 1945.

Reg. No. 424,522. Registered Oct. 8, 1946. COASTAL CANNING CORPORATION, Philadelphia, Pa., a corporation of New York. Republished by registrant.

YIP

FOR CANNED DOG FOOD.
Claims use since Dec. 27, 1945.

Reg. No. 424,523. Registered Oct. 8, 1946. COASTAL CANNING CORPORATION, Philadelphia, Pa., a corporation of New York. Republished by registrant.

AJAX

FOR CANNED DOG FOOD.
Claims use since Dec. 27, 1945.

Reg. No. 424,524. Registered Oct. 8, 1946. COASTAL CANNING CORPORATION, Philadelphia, Pa., a corporation of New York. Republished by registrant.

H-Q

FOR CANNED DOG FOOD.
Claims use since Dec. 27, 1945.

Reg. No. 424,525. Registered Oct. 8, 1946. COASTAL CANNING CORPORATION, Philadelphia, Pa., a corporation of New York. Republished by registrant.

SHEP

FOR CANNED DOG FOOD.
Claims use since Dec. 27, 1945.

Reg. No. 424,526. Registered Oct. 8, 1946. COASTAL CANNING CORPORATION, Philadelphia, Pa., a corporation of New York. Republished by registrant.

CHIPS

FOR CANNED DOG FOOD.
Claims use since Dec. 27, 1945.

Reg. No. 424,527. Registered Oct. 8, 1946. COASTAL CANNING CORPORATION, Philadelphia, Pa., a corporation of New York. Republished by registrant.

STAG

FOR CANNED DOG FOOD.
Claims use since Dec. 27, 1945.

Reg. No. 429,139. Registered Apr. 22, 1947. W. L. AKIN, doing business as Southern Foods Co., McAllen, Tex. Republished by Southern Foods Company, McAllen, Tex., a corporation of Texas.

TEXAS ACRES

The word "Texas" is disclaimed apart from the mark as shown.
FOR CANNED GRAPEFRUIT JUICE FOR FOOD PURPOSES AND CANNED VEGETABLES — NAMELY, STRINGBEANS.
Claims use since Oct. 30, 1945.

Reg. No. 430,152. Registered June 10, 1947. COASTAL CANNING CORPORATION, Philadelphia, Pa., a corporation of New York. Republished by registrant.

TRIX

FOR CANNED DOG FOOD.
Claims use since Dec. 27, 1945.

Reg. No. 432,253. Registered Aug. 26, 1947. WM. H. FLOYD, Los Angeles, Corning, and Del Rosa, Calif. Republished by registrant, present address Los Angeles, Calif.

WILFLOYD

FOR CANNED RIPE OLIVES.
Claims use since July 11, 1946.

Reg. No. 432,274. Registered Aug. 26, 1947. PAUL A. RUTH, doing business as Paul A. Ruth Company, Phoenix, Ariz. Republished by registrant, present address Talleson, Ariz.

BLACK PANTHER

FOR FRESH VEGETABLES AND MELONS.
Claims use since July 1925.

CLASS 47

WINES

Reg. No. 90,925. Registered Apr. 1, 1913. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

ARMADA

FOR PORT AND SHERRY WINE.
Claims use since July 1905.

Reg. No. 300,872. Registered Feb. 14, 1933. GEO. G. SANDEMAN SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

THE PARTNERS

FOR WINES.
Claims use since Jan. 6, 1913.

Reg. No. 302,144. Registered Mar. 28, 1933. GEO. G. SANDEMAN SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



"BROWN BANG" SHERRY.

The word "Sherry" is disclaimed apart from the mark as shown.
FOR SHERRY WINE.
Claims use since July 17, 1920.

Reg. No. 302,263. Registered Apr. 4, 1933. GEO. G. SANDEMAN SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



FOR WINES.
Claims use since Nov. 27, 1930.

Reg. No. 302,726. Registered Apr. 25, 1933. SANDEMAN HERMANOS Y COMPANIA, Jerez de la Frontera, Spain, a limited liability company of Spain. Republished by registrant.



PEMARTIN

FOR WINES.
Claims use since 1878.

Reg. No. 305,613. Registered Aug. 22, 1933. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

BROWN BANG

FOR SHERRY WINE.
Claims use since July 17, 1920.

Reg. No. 319,358. Registered Nov. 20, 1934. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

APITIV

FOR WINES.
Claims use since Jan. 15, 1934.

Reg. No. 331,686. Registered Jan. 14, 1936. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



"THE DON"

FOR WINES.
Claims use since Feb. 14, 1935.

Reg. No. 333,134. Registered Mar. 10, 1936. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



FOR WINES.
Claims use since May 16, 1935.

Reg. No. 362,126. Registered Nov. 15, 1938. PETRI CIGAR CO., also doing business as Petri Wine Company, San Francisco, Calif., assignor to Western States Grocery Company, Oakland, Calif., a corporation of Nevada. Republished by Beverage Distributors, Inc., San Francisco, Calif., a corporation of California.



FOR WINES.
Claims use since May 5, 1937.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 310,398. Registered Feb. 27, 1934. A. GETTELMAN BREWING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



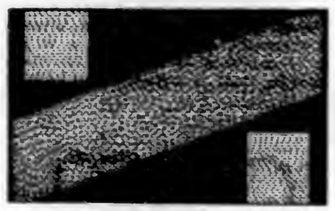
FOR BREWED MALT BEVERAGES OF LEGAL ALCOHOLIC CONTENT.
Claims use since December 1890.

Reg. No. 316,491. Registered Aug. 28, 1934. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



FOR BEER.
Claims use since Apr. 25, 1934.

Reg. No. 335,652. Registered June 9, 1936. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



The drawing is lined for black, yellow and silver.
FOR BEER.
Claims use since Jan. 23, 1936.

Reg. No. 360,357. Registered Sept. 13, 1938. A. GETTELMAN BREWING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Rathskeller

FOR BEER.
Claims use since Apr. 12, 1938.

Reg. No. 393,690. Registered Feb. 24, 1942. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



FOR BEER.
Claims use since Apr. 18, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 101,072. Registered Nov. 10, 1914. MACKIE & COY, DISTILLERS, LTD., Glasgow, Scotland. Republished by White Horse Distillers Limited, Glasgow, Scotland, a corporation of Great Britain.



FOR SCOTCH WHISKY.
Claims use since Mar. 20, 1890.

Reg. No. 177,462. Registered Dec. 18, 1923. WILLIAM GRANT & SONS LIMITED, Dufftown, Scotland, a limited liability company of Great Britain. Republished by registrant, present locations Glasgow and Dufftown, Scotland.

Grant's
LIQUEUR
Scotch Whisky.
BOTTLED & GUARANTEED BY
William Grant & Sons Limited
TRADE MARK

All the printed words appearing on the drawing are disclaimed.
FOR SCOTCH WHISKY.
Claims use since Aug. 5, 1903.

Reg. No. 177,467. Registered Dec. 18, 1923. WILLIAM GRANT & SONS LIMITED, Dufftown, Scotland, a limited liability company of Great Britain. Republished by registrant, present locations Glasgow and Dufftown, Scotland.

Grant's
STAND FAST
BLEND
Scotch Whisky.
BOTTLED & GUARANTEED BY
William Grant & Sons Limited

All matter with the exception of the words "Stand Fast" is disclaimed apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since June 22, 1903.

Reg. No. 303,111. Registered May 9, 1933. GEO. G. SANDEMAN SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



FOR WHISKY, GIN, RUM, AND BRANDY.
Claims use since Nov. 27, 1930.

Reg. No. 304,290. Registered June 27, 1933. SANDEMAN & SONS LIMITED, Edinburgh, Scotland. Republished by Geo. G. Sandeman, Sons & Co. Limited, London, England, a limited liability company of Great Britain.

"SANDEMAN'S V.V.O. SCOTCH WHISKY."

The letters "V. V. O." are disclaimed apart from the mark as shown.
FOR WHISKY.
Claims use since 1886.

Reg. No. 316,671. Registered Sept. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

RITTENHOUSE
SQUARE

FOR WHISKEY.
Claims use since Sept. 2, 1933.

Reg. No. 319,713. Registered Dec. 4, 1934. GEO. G. SANDEMAN SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

APITIV

FOR WHISKY.
Claims use since Jan. 15, 1934.

Reg. No. 331,168. Registered Dec. 31, 1935. GEO. G. SANDEMAN SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



"THE DON"

FOR GIN, WHISKY, AND RUM.
Claims use since Feb. 14, 1935.

Reg. No. 331,388. Registered Jan. 7, 1936. SUPREME DISTRIBUTORS, INCORPORATED, Phoenix, Ariz., a corporation of Arizona. Republished by registrant.

WHITE
KING

FOR GIN AND WHISKEY.
Claims use since Sept. 6, 1935.

Reg. No. 331,807. Registered Jan. 21, 1936. JAMES BUCHANAN & COMPANY LIMITED, London, England, a corporation of Great Britain. Republished by registrant.



The words "Scotch Whisky, a Blend" are disclaimed apart from the mark as shown.
FOR WHISKY.
Claims use since 1932.

Reg. No. 332,807. Registered Feb. 25, 1936. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



The word "Dry" is disclaimed apart from the mark as shown.
FOR GIN AND WHISKY.
Claims use since May 16, 1935.

Reg. No. 336,670. Registered July 14, 1938. SUPREME DISTRIBUTORS, INCORPORATED, Phoenix, Ariz., a corporation of Arizona. Republished by registrant.



FOR WHISKEY.
Claims use since Mar. 20, 1936.

Reg. No. 388,564. Registered July 1, 1941. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



The words "Scotch Whisky," "Edinburgh" and the representation of a label per se are disclaimed. The words "The King of Whiskies" and the representation of ears of corn are disclaimed apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since July 3, 1939.

Reg. No. 411,853. Registered Feb. 6, 1945. JAMES BUCHANAN & COMPANY LIMITED, London, England, a limited-liability company of Great Britain. Republished by registrant.



The words "De Luxe" are disclaimed apart from the mark as shown.
FOR WHISKY.
Claims use since Mar. 1, 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 304,476. Registered July 11, 1933. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant, present address Lockland, Cincinnati, Ohio.

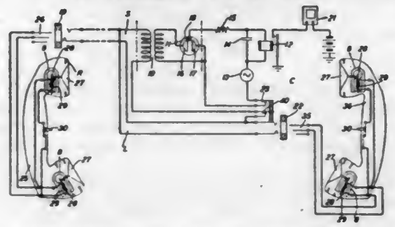


FOR QUILTING FRAMES OR HOOPS.
Claims use since Apr. 7, 1931.

REISSUES

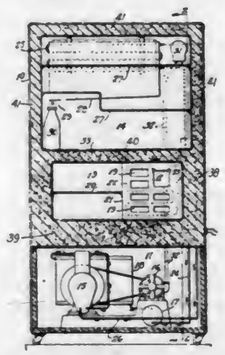
DECEMBER 14, 1948

23,057
SIGNALING SYSTEM
George E. Atkins, Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original No. 2,332,043, dated October 19, 1943, Serial No. 428,680, January 29, 1942. Application for reissue May 14, 1946, Serial No. 669,475
31 Claims. (Cl. 179—36)



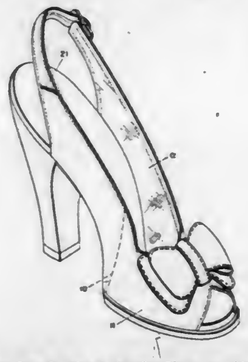
1. The combination in a signaling system of a signaling circuit, a sound transmitting device capable of translating sound signals of the level of normal speech signals and sound signals of appreciably higher levels, and a visual signaling device for indicating, in a continuous manner, the translation, by said device, of an instantaneous sound signal of a level appreciably higher than the level of normal speech signals.

23,058
REFRIGERATOR
Lewis J. Bronaugh, Portland, Oreg., and Thomas I. Potter, New York, N. Y., assignors, by direct and mesne assignments, to Refrigeration Patents Corporation, Buffalo, N. Y., a corporation of New York
Original No. 2,056,165, dated October 6, 1936, Serial No. 516,032, February 16, 1931. Application for reissue June 18, 1948, Serial No. 33,876
4 Claims. (Cl. 62—116)



1. A household refrigerator which in normal operation provides above-freezing moist cold air for preserving in a refrigerated condition foods susceptible to moisture loss by evaporation and below-freezing dry cold air and a dry cold surface for preserving foods in a frozen condition, said refrigerator comprising a cabinet having a cooling compartment and a freezing compartment, thermal insulation around said compartments thermally insulating said compartments from each other and from the outside atmosphere, air in said cooling compartment having a substantially stable temperature of about 40° F. and having a humidity whose relative value is at least 100% at 32° F., air in said freezing compartment having a temperature well below 32° F., a cooling refrigerant expander having heat-conducting surfaces within said cooling compartment and constructed and arranged to maintain its heat-conducting surfaces at a temperature above 32° F. while withdrawing heat from said compartment to maintain said air in said cooling compartment at said substantially stable temperature, a freezing refrigerant expander having heat-conducting surfaces within said freezing compartment and constructed and arranged to maintain its heat-conducting surfaces at a temperature well below 32° F. while withdrawing heat from said compartment, volatile refrigerant in said expanders, a single liquefying unit associated with said expanders and constructed and arranged to condense refrigerant expanded by heat extracted by said expanders from both said compartments, the volatile refrigerant circulating through said expanders being the sole heat-extracting medium, and a thermostat responsive to the temperature in one of said compartments controlling the operation of said liquefying unit.

23,059
OPEN-BACK SHOE WITH STIFFENING MEANS
Thomas A. Cochary, Brockton, Mass.
Original No. 2,446,169, dated August 3, 1948, Serial No. 737,817, March 28, 1947. Application for reissue September 28, 1948, Serial No. 51,562
3 Claims. (Cl. 36—8.5)



3. An open back shoe including in its structure a lined upper having a binding about its top edge, a fabric stiffening member inserted in place between the upper and lining, a row of stitching along the top and rear edges of the upper confining the stiffening member, said member extending vertically from the sole line toward the top edge and longitudinally from near the edge of the open back into the inside shank portion of the upper and toward but not in advance of the

ball line, the stiffening member conforming to the contour of the shoe and resiliently maintaining the upper in smooth condition without wrinkles in wear.

23,060
ORGANO-SILICON POLYMERS AND METHODS OF MAKING THEM

Rob Roy McGregor, Verona, and Earl Leathen Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Original No. 2,375,998, dated May 15, 1945, Serial No. 397,468, June 10, 1941. Application for reissue September 18, 1948, Serial No. 50,013

12 Claims. (Cl. 260—46.5)

1. A composition of matter which comprises a polymeric organo-silicon oxide having on the average less than two organic radicals per silicon atom, the organic substituents of said oxide being selected from the class consisting of alkyl radicals of 1 to 3 carbon atoms and phenyl radicals, and a minor proportion of boric oxide.

23,061
CURLING ROD

Stephan Molchan, El Monte, Calif., assignor of one-half to Hy Schwartz, Los Angeles, Calif.

Original No. 2,404,517, dated July 23, 1946, Serial No. 551,138, August 25, 1944. Application for reissue July 23, 1947, Serial No. 762,865

3 Claims. (Cl. 132—34)



1. A hair curling device comprising a rod having an integral extension of reduced diameter at one end and provided with a circumferential groove at the other end; a relatively rigid washer rotatably disposed within said groove; and a flexible strap having a hole near each end thereof, said strap detachably secured to the said washer and adapted to be stretched across the rod and looped over the integral extension of the rod on the opposite end thereof.

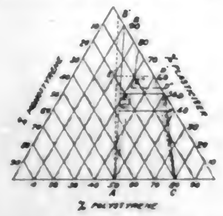
23,062
ELECTRIC INSULATING MATERIAL

Archibald Alan New, Stanley George Foord, and Dudley Robert Beckwith, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Original No. 2,365,646, dated December 19, 1944, Serial No. 458,598, September 16, 1942. Application for reissue March 19, 1947, Serial No. 735,574. In Great Britain October 31, 1941

1 Claim. (Cl. 117—122)

Fibrous tape impregnated with a mixture of 51.6% polystyrene, 23.2% rubber, 21.4% polyisobutylene, 3.8% polyethylene and monostyrene to the extent of 20% of said mixture, said mixture having a viscosity of between about 10^3 and about 10^6 poises at about 20° C. and the viscosity of said



mixture becoming with time greater than about 10^6 poises at about 20° C.

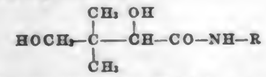
23,063
N-SUBSTITUTED PANTOYL AMIDES

William Shive, Austin, Tex., and Esmond Emerson Snell, Madison, Wis., assignors to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Original No. 2,446,615, dated August 10, 1948, Serial No. 672,338, May 25, 1946. Application for reissue October 12, 1948, Serial No. 54,202

2 Claims. (Cl. 260—561)

1. New growth inhibiting amides, represented by the following formula:



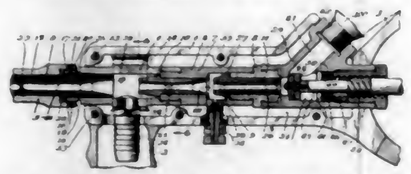
in which R represents an alkyl group containing from 3 to 7 carbon atoms.

23,064
METHOD AND APPARATUS FOR SANDBLASTING

Leslie L. Tirrell, Benton Harbor, Mich., assignor to The Hydroblast Corporation, Chicago, Ill., a corporation of Illinois

Original No. 2,200,587, dated May 14, 1940, Serial No. 127,620, February 25, 1937. Application for reissue August 12, 1948, Serial No. 43,841

27 Claims. (Cl. 51—8)



11. In a hydraulic sand blast gun, a gun body provided with three nozzles in tandem, means to project a high pressure liquid stream through said three nozzles, valve means to admit air between the rear nozzle and the middle nozzle, and means to admit abrasive particles mixed with water between the middle nozzle and the front nozzle.

PLANT PATENTS

GRANTED DECEMBER 14, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

814
PEACH TREE

Oscar F. Jones, Crozet, Va., and Wilbur C. Jones, Hagerstown, Md.

Application February 6, 1947, Serial No. 726,894

1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree substantially as herein disclosed, characterized by rapid growth, early maturity for production of fruit and flexibility and tensile strength of its branches; and the fruit of such tree characterized by uniformity of size, being elongated, ovate-oval with very prominent tip, development of color when grown in shade, resistance to brown rot, almost entire absence of fuzz, and superior flavor and shipping qualities; and the hardiness of bud and blossom to frost and freezes.

815
ENGLISH OR PERSIAN WALNUT TREE

William A. Benton and Gilbert L. Smith, Wassaic, N. Y.

Application February 11, 1947, Serial No. 727,783

1 Claim. (Cl. 47—62)

The variety of walnut tree herein shown and described characterized by its resistance to cold climatic conditions, and production of relatively large early ripening nuts.

PATENTS

GRANTED DECEMBER 14, 1948

2,455,910
METHOD FOR CURING ETHYLENE POLYMERS
Witty Lysle Alderson, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 20, 1945, Serial No. 578,939
10 Claims. (Cl. 260—23)

1. A method for curing an essentially saturated ethylene polymer which comprises forming a homogeneous blend of said polymer with from 1% to 20% by weight of said polymer of an inorganic peroxy compound and from 0.2% to 30% by weight of said polymer of a monocarboxylic acid having at least four carbon atoms, and heating said blend to a temperature of from 100° C. to 250° C. until said polymer becomes insoluble in organic solvents in which it was initially soluble, said inorganic peroxide being selected from the group consisting of sodium percarbonate and the basic peroxide hydrates of zinc and cadmium.

2,455,911
SELF-CURING POLYCHLOROPRENE COMPOSITIONS
Louis S. Bake, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1947, Serial No. 769,328
3 Claims. (Cl. 260—79)

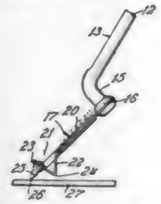
1. A relatively rapid, low temperature-curing polychloroprene composition comprising a volatile organic solvent solution of the polychloroprene containing from 1% to 10%, based on the weight of the polychloroprene, of a heavy metal xanthate derived from an unsubstituted aliphatic alcohol containing from 1 to 8 carbon atoms.

2,455,912
POLYMERIZED TETRAMETHYLETHYLENE OXIDE
Theodore L. Cairns and Robert M. Joyce, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 11, 1947, Serial No. 768,086
1 Claim. (Cl. 260—2)

Solid polymerized tetramethylethylene oxide.

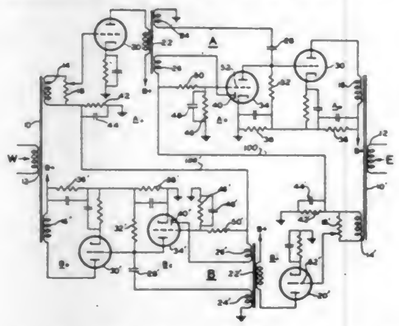
2,455,913
STYLUS CONSTRUCTION
Benjamin B. Bauer, Oak Park, Ill., assignor, by mesne assignments, to Shure Brothers Incorporated, Chicago, Ill., a corporation of Illinois
Application October 16, 1944, Serial No. 558,799
11 Claims. (Cl. 274—38)

1. In a phonograph reproducer having a vibratable member, a stylus construction including a generally flat spring normally extending from said reproducer downwardly toward a record, said spring having its upper end coupled to said vibratable member, said spring having at its lower end a generally V-shaped heel portion normally extending downwardly toward said record but clearing the same in normal playing position, a stylus tip carried by the free end of said V and having normal engagement with a sound track in said record, said V having the arms thereof relatively rigid, said spring generally determining a plane intersecting the record along a line gener-



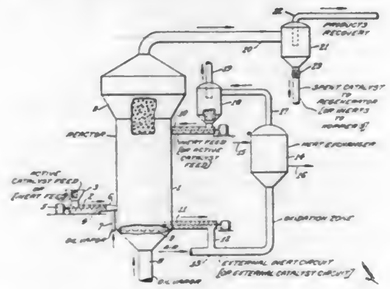
ally perpendicular to the sound track at the stylus tip, said spring being flexible along lines perpendicular to the general spring plane and being rigid along lines lying within the spring plane, said spring being adapted to yield upon excessive vertical loading to move said heel into record engagement and clear the stylus from said record.

2,455,914
VOICE OPERATED ANTISINGING REPEATER
Francis J. Biltz, Eatontown, N. J.
Application July 19, 1944, Serial No. 545,704
2 Claims. (Cl. 179—170)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



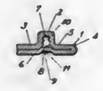
1. A two-way signal repeater system comprising a pair of amplifying channels; each channel having first and second amplifier stages, said first stage being normally operative and said second stage being normally inoperative; means to couple the first stage of each channel and the second stage of the other channel to a common section of a two-way transmission line; and means in each channel responsive to a signal in the output of the first stage in said channel to provide a bias voltage to render inoperative the first stage of the other channel, and a time delay circuit responsive to said bias voltage to provide a delayed bias voltage to render the second stage of said channel operative to amplify and transmit said signals from one to the other section of said transmission line.

2,455,915
CATALYTIC CONVERSION OF HYDROCARBONS
Walter H. Borcherding, New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application July 6, 1944, Serial No. 543,676
10 Claims. (Cl. 196—52)



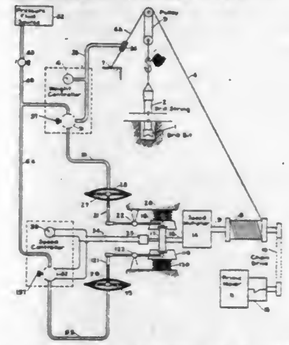
10. In a continuous process for effecting the catalytic conversion of hydrocarbons with finely divided catalyst which is repeatedly contacted with a gas or vapor, the improvement which comprises charging to the process an active silica-alumina catalyst in the form of a powder consisting of particles having relatively high settling rates and also charging to the process a powder of a solid having substantially no catalytic activity consisting essentially of particles having settling rates lower than that of the particles of said active catalyst, said substantially inactive powder being introduced in a substantial amount such that in a mixture so produced the particles having high settling rates consist essentially of said active catalyst and the particles of low settling rates consist predominantly of said substantially inactive powder, and passing the gas or vapor upwardly through a contact zone in said process containing a mixture of said active and inactive powders at a velocity within limits of about 1 to 3 feet per second effective to carry out of the contact zone in suspension substantially only inactive particles.

2,455,916
BUCCAL TUBE FOR ORTHODONTIA
Archie B. Brusse, Denver, Colo., assignor to Rocky Mountain Metal Products Co., Denver, Colo., a corporation of Colorado
Application April 16, 1945, Serial No. 588,490
3 Claims. (Cl. 32—14)



1. An orthodontic bracket formed of a single sheet of material and comprising upper and lower contiguous positions, said upper portion being bent to form an arch wire receiving tubular socket extending between two opposite edges thereof, and the lower portion having its outer surface depressed so as to provide a tie wire receiving passage when said lower portion is attached to a supporting surface with respect to which an arch wire is to be secured.

2,455,917
DRILLING CONTROL SYSTEM
Wilfred S. Crake, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application February 9, 1946, Serial No. 646,551
1 Claim. (Cl. 255—19)

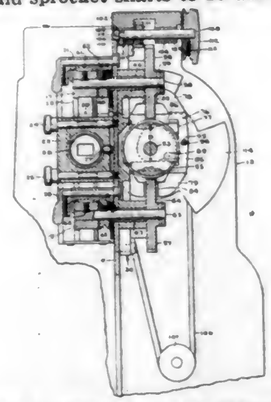


An automatic control system for a rotary drilling installation comprising a drill string supported on a cable and a cable drum rotating to unwind the cable as the drill string descends, said system comprising a high-ratio speed multiplier driven by the cable drum, said speed multiplier having a high-speed shaft, brake means on said shaft, first and second fluid motor means, leverage means connected to said fluid motor means and said brake means for applying the restraining force of said brake means to said high-speed shaft, means for supplying to said fluid motor means an actuating pressure fluid, said means comprising a source of fluid pressure, a weight controller and first conduit means connecting said weight controller to said source and the first fluid motor means, a speed controller and second conduit means connecting said speed controller to said source and the second fluid motor means, adjustable means on the weight controller for pre-setting the fluid pressure transmitted thereby to the first fluid motor to a value corresponding to a predetermined weight supported by the cable, adjustable means on the speed controller for pre-setting the fluid pressure transmitted thereby to the second motor fluid to a value corresponding to a predetermined speed of said multiplier shaft, a weight indicator connected to the cable for registering the weight supported thereby, a speed indicator connected to the multiplier shaft for registering the speed thereof, means responsively connecting the weight indicator to the adjustable means on the weight controller for varying the setting of said adjustable means in proportion to the changes of the weight supported by the cable, and means responsively connecting the speed indicator to the adjustable means on the speed controller for varying the setting of said adjustable means in proportion to the changes of the speed of the multiplier shaft, whereby the fluid pressure transmitted to said fluid motors is independently varied in proportion to said weight changes and to said speed changes.

2,455,918
MOTION-PICTURE PROJECTOR
Roy A. Clapp, Minneapolis, Minn., assignor, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich., a corporation of Michigan
Application June 23, 1945, Serial No. 601,091
5 Claims. (Cl. 88—18.4)

1. In a motion picture projector, a main sup-

port having an upright wall extending in the direction of the projection axis, a sub-frame removably mounted on one side of said wall, a main shaft rotatably mounted on said sub-frame and extending substantially in the same direction as said axis, cam means on said main shaft, a shutter on said main shaft, two transverse sprocket shafts rotatably mounted on said sub-frame above and below said main shaft, said sprocket shafts extending through apertures in said wall, sprockets on said sprocket shafts on the other side of said wall, means on said sub-frame connecting said sprocket shafts to be driven by said



main shaft, a claw feed device mounted on said sub-frame in operative association with said cam means, a projection lens assembly mounted on said other side of said wall at a level intermediate said sprockets and means for guiding the film between said sprockets past a projection aperture rearwardly of said lens assembly, said wall being apertured rearwardly of the lens assembly to permit said shutter to extend through said wall into the projection light path and permit said claw feed device to extend through said wall into engagement with the film between said sprockets for intermittently advancing said film past the projection aperture.

2,455,919

REARVIEW MIRROR MOUNTING

Rene Daon, Norwalk, Conn., assignor to Yankee Metal Products Corp., Norwalk, Conn., a corporation of New York

Application February 7, 1946, Serial No. 646,073
5 Claims. (Cl. 248—226)



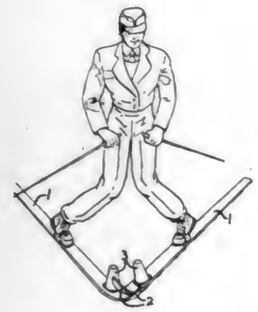
1. A rear view mirror assembly to be secured externally of an automobile door of the type having a spindle extending normally to the door, a rear view mirror and bracket means between said spindle and mirror, in combination, a device for securing the assembly to the flange of the door and for holding said spindle against turning after initial adjustment of the assembly 360° about the spindle, a pair of bracket arms the proximal ends of which are pivotally mounted at the extended end of said spindle with one arm on each side of the spindle, for turning on an axis through said pivots and normal to said spindle, and means for holding the bracket arms against turning after adjustment about said proximal axis, the distal ends of said pair of bracket arms being in abutting relation.

2,455,920

ANTISPILL ATTACHMENT FOR SKIS

Norman E. Ebbley, Jr., Leadville, Colo.

Application May 16, 1947, Serial No. 748,444
6 Claims. (Cl. 280—11.37)



1. In combination with a pair of skis, an upright post mounted upon each ski closely behind the upturned tip, of a height equalling but not greatly exceeding the height of such tip, and devoid of protuberances whereon the edge of the opposite ski may catch.

2,455,921

METHOD OF MAKING A PLASTIC CORK COMPOSITION

Josef Ehrlich, New York, N. Y., assignor to Erko Corporation, New York, N. Y., a corporation of New York

No Drawing. Application October 4, 1943, Serial No. 504,963
6 Claims. (Cl. 106—149)

1. A method of making a coherent and elastic and plasticized body from granules which consist substantially wholly of unplasticized cork, which consists in coating said granules with a substantially anhydrous solution of uncured zein whose solvent is substantially wholly an aliphatic polyhydric alcohol which is a plasticizing solvent for zein and which also is a plasticizer for said cork granules, said cork granules adsorbing said plasticizing solvent, said solution containing an excess of said aliphatic polyhydric alcohol over the amount which is required to plasticize all said zein and to dissolve all said zein at a temperature of substantially 25° C. and at a pressure of 760 mm., said excess of said aliphatic polyhydric alcohol being sufficient to plasticize said cork granules, said coating also containing a substance selected from a class which consists of the polymers and compounds of formaldehyde and the polymers of

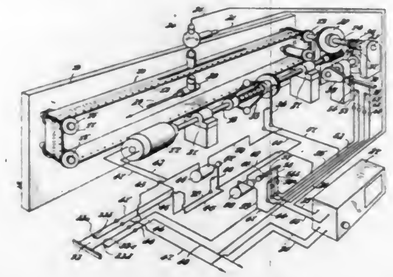
acetaldehyde, said dissolved and uncured zein being inert to said selected substance and remaining uncured at 25° C., heating said coated granules under pressure to 100° C.–170° C. to decompose said selected substance to evolve enough formaldehyde to cure said zein, said aliphatic alcohol having a boiling point of at least 170° and being sufficiently non-volatile to be substantially wholly retained in said body when said mixture is heated to evolve said formaldehyde.

2,455,922

ANNUNCIATING DEVICE

Joseph B. Englander, Woodmere, N. Y.

Application December 27, 1945, Serial No. 637,417
4 Claims. (Cl. 179—100.3)



1. In an annunciating device, a movably mounted member having an endless sound track and a sound recording thereon, means for reproducing and audibly amplifying said recording, an electric motor for driving said movably mounted member, a governor, a cam driven by said motor in timed relation with the movement of the recording on said member, a normally open switch controlled by said governor, a pair of solenoids arranged in parallel in an electric circuit between a source of current supply and said governor controlled switch, a normally open switch controlled by the movement of the armature of one of the solenoids and a pair of normally open switches controlled by the movement of the armature of the other solenoid, a pair of switches controlled by the movement of said cam, one of said cam controlled switches being moved to open relation when engaged by the high portion of said cam and being connected in circuit with said governor controlled switch and with one switch of said pair of armature controlled switches and with the switch controlled by the other armature and the other of said cam controlled switches being closed when engaged by the high portion of said cam and connected in circuit with said source of current supply and with the solenoid having said pair of armature controlled switches, and a normally open switch connected in circuit with said motor and said source of current supply for controlling the operation of the motor and functioning when said switch is closed and said solenoids energized upon the closing of said governor controlled switch by the attainment of a predetermined rate of speed of the movable member to effect the closing of the armature controlled switches and thereby close the circuit between the reproducing and audio amplifying means for rendering the same operative to continually repeat the recording during the time that the said last named switch is closed and to complete the reproduction of the recording after opening of said last named switch.

2,455,923

BITUMINOUS LAMINATED MATERIAL

William F. Fair, Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware

Application February 4, 1944, Serial No. 521,107
3 Claims. (Cl. 154—51)



1. A compressed laminated product comprising: alternate layers of thin fibrous sheets and of coal-digesting pitch of uniform thickness that is non-flowing from vertical surfaces of said sheets and non-embrittling throughout the range of atmospheric temperatures and containing heat-digested coal and heavy hydrocarbon oil and having in combination a softening-point in the range of about 80° C. to 120° C., a penetration at 32° F., 200 grams, 60 seconds, of at least 10, and a penetration at 115° F., 50 grams, 5 seconds, of not more than approximately 65, and a layer of said coal-digestion pitch on one side of said laminated product having a softening-point in the range of about 95° C. to 110° C. and a penetration of not more than about 65 at 115° F.

2,455,924

ADDITION COMPOUNDS OF PYRIDINE DERIVATIVES AND METHOD OF PREPARING SAME

Ernst A. H. Friedheim and Saul Soloway, New York, N. Y.

No Drawing. Application March 1, 1944, Serial No. 524,624
5 Claims. (Cl. 260—270)

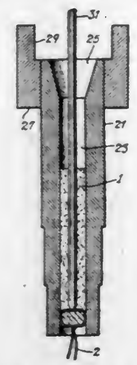
1. An addition product of one molecule of a ferric halide selected from the group, consisting of ferric chloride and ferric bromide, one molecule of the hydrogen halide of the halogen of said ferric halide and one molecule of nicotinic acid diethylamide.

2,455,925

MANUFACTURE OF ABSORBENT TAMPONS

Henry Ganz, Ridgefield Park, N. J., assignor to The Personal Products Corporation, New Brunswick, N. J., a corporation of New Jersey

Original application July 24, 1940, Serial No. 347,087. Divided and this application August 27, 1942, Serial No. 456,369
4 Claims. (Cl. 18—55)



1. The method of making a tampon which comprises the steps of forming a web of absorbent fibrous material of predetermined contour and

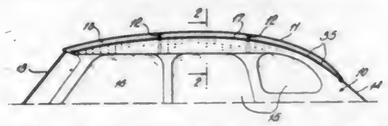
size greater than the sibe of the finished tampon, simultaneously compressing the web of fibrous material into a tightly compacted cylindrical tampon having an opening of relatively small diameter and appreciable depth in one end and maintaining said opening during compression to limit the folding of the fibrous web, as it is being compacted, to small folds and pleats substantially less than the diameter of the tampon.

2,455,926

AUTOMOBILE BODY STRUCTURE

Albert E. Gessler, Scarsdale, N. Y., William F. Grupe, Lyndhurst, N. J., and Clifford J. Rolle, Yonkers, and Francis J. Tuttle, New York, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application February 20, 1942, Serial No. 431,636
8 Claims. (Cl. 296—137)



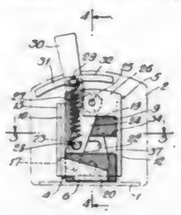
1. A lining for the roof of a body of a movable vehicle which vibrates markedly on movement thereof, comprising a resilient self-supporting non-metallic structure spaced apart from the roof of the vehicle to provide a double roof with an air space between, and supported principally on the ends of the resilient structure resting on ledges attached to the sides of the body below the roof, the structure having a coating on the bottom thereof, impervious except in the portions thereof which are punctured by holes which penetrate through the coating at least to a backing of sound absorbent material back of the coating.

2,455,927

ELECTRIC SWITCH

Stephen S. Grady, New York, N. Y.

Application July 21, 1945, Serial No. 606,369
6 Claims. (Cl. 200—67)



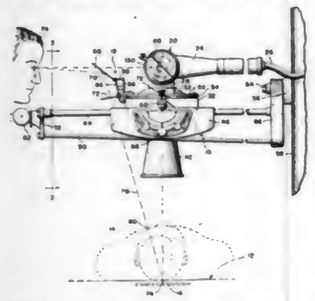
1. The combination of a bearing bracket constituting one terminal of an electric circuit, a blade and an arm pivotally connected at spaced apart portions of said bearing bracket, a spring connected at one end to said arm and at its other end to said blade, a contact bracket constituting the other terminal of an electric circuit, the spring being positioned to one side of the pivotal connection of said arm when said blade and arm are spaced from said contact bracket, said contact bracket having a flexible contact plate, and a contact flange on said blade, the spring being positioned to one side of the pivotal connection of said arm when said arm and blade are maintained in open switch position and said spring being positioned to the other side of the pivotal connection of said arm when said spring yieldably maintains the free end of said arm in contact with said contact bracket and the flange of said blade in contact with said flexible plate, said blade being movable relative to said arm so that said flange may be withdrawn out of contact with said flexible plate before the free end of said arm is withdrawn from contact with said contact bracket.

2,455,928

X-RAY TUBE SIGHTING DEVICE

Thomas Richard Hawks, Washington, D. C.

Application July 29, 1944, Serial No. 547,239
4 Claims. (Cl. 250—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



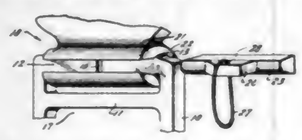
1. In an X-ray machine in which the X-ray tube is adjustable about transverse and longitudinal axes with respect to a cassette, means to facilitate alingment of the X-ray tube transversely and longitudinally of the cassette with respect to a given point thereon, said means comprising a mirror mounted for rotation about the transverse axis of rotation of the X-ray tube, said mirror having a reference mark parallel to the transverse axis of rotation, a mirror mounted for rotation about the longitudinal axis of rotation of the X-ray tube, said second mirror having a reference mark thereon parallel to said longitudinal axis of rotation, sights cooperating with said mirrors in such a manner that when the images of the said given point on the cassette and sights are observed to be superposed on the reference marks the X-ray tube will be aligned both transversely and longitudinally with respect to said given point and means for adjusting the angular position of one of the mirrors with respect to the X-ray tube so that at a given distance the image of said point on the cassette will be seen to be superposed with its sight both transversely and longitudinally in said one mirror.

2,455,929

ROTATABLE-JOINT CLASP HAVING SAFETY LOCKING MEANS

Mark Hattan, Pasadena, Calif.

Application August 27, 1947, Serial No. 770,843
2 Claims. (Cl. 24—225)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a clasp for joining strips of flexible or jointed material, a frame of generally rectangular

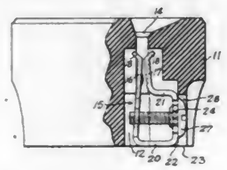
shape, a rounded outer and inner free edge on one outer cross member of said frame, a connecting link cooperating with the said edges, said link comprising a frame, a sleeve, a neck connecting said frame and sleeve, said sleeve having an open side of trapezoidal section wide enough at its outer edge to receive said outer cross member of the first mentioned frame when the latter is introduced at approximately a 90° angle and a bore adapted to rotatably receive said outer cross member and to engage its rounded edges, and a slide of generally trapezoidal section adapted to be inserted therein, its base in contact with said outer cross member to fill substantially the space between a flat side of said outer member of the frame within said sleeve and the line of outer surface contour of said sleeve.

2,455,930

PLUG RECEPTACLE

Harvey Hubbell, Long Hill, Conn.

Application April 10, 1943, Serial No. 482,537
1 Claim. (Cl. 173—338)



An electrical receptacle comprising an insulating body member having compartments therein opening through the rear face of the body and a contact blade slot in its front wall leading to each compartment, grooves in the opposite side walls of each compartment leading forwardly from the rear face of the body, a contact in each compartment comprising a contact finger located to the rear of the slot to engage a contact blade inserted therein, said contact also including a body portion to which the finger is connected, said finger including a connecting bar extending laterally from the rear edge of said body portion at the entrance to the compartment, an insulating strip including an intermediate portion on the outer surface of said bar and end flaps folded over the opposite edges of said bar to the inner side thereof, shoulders on the insulating body against which said flaps engage, and the opposite side edges of the body portion of the contact being seated in said grooves and at least one of said edges being provided with holding means shaped to permit ready sliding of the contact into the compartment and then to grip the material of the insulating body to retain the contact therein and said flaps against said shoulders.

2,455,931

METHOD OF MAKING N-METHYL ANILINE

Everett C. Hughes, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 23, 1944, Serial No. 560,042
2 Claims. (Cl. 260—577)

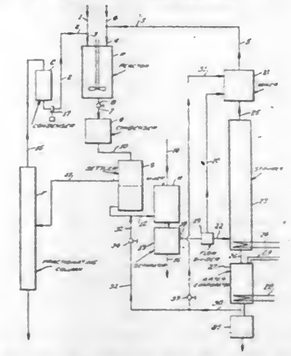
1. The method of making N-methyl aniline which comprises agitating mono-chlorobenzene with an aqueous phase containing 40 to 75% mono-methylamine and a catalyst comprising a copper chloride.

2,455,932

PROCESS OF MAKING ARYL AMINES

Everett C. Hughes, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

Application November 25, 1944, Serial No. 565,151
4 Claims. (Cl. 260—577)



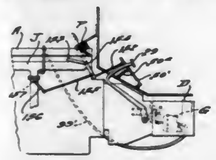
1. A process of making arylamines, which comprises mixing a non-aqueous phase comprising chlorobenzene with an excess of an ammoniacal compound selected from the group consisting of ammonia and lower alkyl amines and a copper chloride catalyst in an aqueous phase substantially saturated with an alkali metal chloride at a temperature and for a time to obtain the aryl amine corresponding to said ammoniacal compound as the wanted reaction product and the corresponding ammoniacal hydrochloride as a by-product, separating the aqueous and non-aqueous phases from the reaction, separating the aryl amine from any unreacted chlorobenzene and recycling the latter, liberating at least a part of said amine from said hydrochloride by adding to the aqueous phase alkali metal caustic in an amount not in excess of one mol per mol of said hydrochloride, separating at least a part of the alkali metal chloride and of any water formed by the addition of said caustic and recycling the alkylamine and the copper chloride in solution with the alkali metal chloride.

2,455,933

POWER TRANSMISSION

Teno Iavelli and Victor E. Matulaitis, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Original application November 28, 1940, Serial No. 367,584. Divided and this application December 4, 1941, Serial No. 421,558
24 Claims. (Cl. 74—472)



1. In a control device for a motor vehicle power transmission having an ignition system adapted to be interrupted to facilitate change in the speed ratio drive through the transmission; an operating member adapted for reciprocatory movement from a first position to a second position for controlling change in the speed ratio drive through the transmission; releasable holding means for

holding said operating member in its said first position; control means for controlling said holding means to effect release thereof; means operating to urge movement of said operating member from its said first position to its said second position when released by said holding means; power operating means for moving said operating member from its said second position to its said first position; second control means for said power operating means operating, when said operating member is in its said second position, to cause said power operating means to move said operating member from its said second position to its said first position; grounding means for said ignition system comprising a pair of switches in series with each other; switch operating means for one of said switches comprising means biasing this switch open, and means operating to close this switch in response to movement of said operating member from its said second position to its said first position, said switch operating means for closing said one switch comprising a lost-motion spring connection between said operating member and said one switch adapted for spring unloading action in response to predetermined movement of said operating member from its said first position to its said second position thereby to permit said biasing means to open said one switch; and second switch operating means for the other of said switches comprising means operating to close this switch in response to operation of the first said control means in releasing said holding means, said second switch operating means comprising means operating to open said other switch in response to operation of the second said control means as aforesaid.

2,455,934

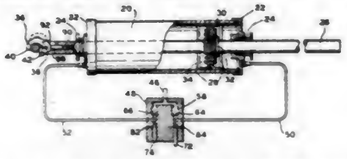
CHUCK OPERATING MECHANISM

Francis W. Kelleher, Lynn, Mass.

Application March 28, 1945, Serial No. 585,372

3 Claims. (Cl. 279—4)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine tool having a chuck actuated by an operator controlled lever mounted to swing and tilt in different directions, means for swinging said lever to open and close said chuck, said means comprising a shaft, means for reciprocating said shaft, a latch pivoted to said shaft and having a hook arranged partially to encircle said lever, said latch being adapted to be swung into an inoperative position in response to a tilting movement of said lever whereby said hook is moved out of the path of said lever when the latter is swung, and means for yieldingly holding said latch in its inoperative position.

2,455,935

VOLTAGE REGULATOR

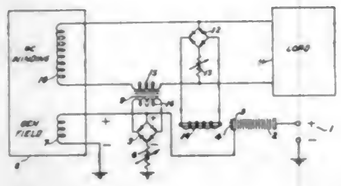
Charles N. Keller, Dayton, Ohio

Application August 17, 1944, Serial No. 549,943

2 Claims. (Cl. 322—25)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The combination of an alternating current alternator having a field winding and an alternating current winding, the alternating current winding supplying energy to an alternating current circuit supplying current to a load characterized by varying current demands, a transformer having a primary winding in series in the alternating current circuit between the alternating current winding and the load, means energized from said alternator and regulating the output voltage therefrom, a secondary winding of said transformer associated with the alternator field



winding and a direct current source supplying direct current to said field winding of said alternator, a full wave rectifier drawing energy from the secondary winding of said transformer and feeding direct current to the field winding of said alternator, and an adjustable resistance in parallel with said rectifier and in series therewith between said alternator field winding and the direct current source feeding the field winding of the alternator.

2,455,936

GELLING OF POLYVINYL ALCOHOL COATINGS

Wesley G. Lowe, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 22, 1944 Serial No. 519,339

9 Claims. (Cl. 117—34)

2. A method of preparing photographic products from polyvinyl alcohol photographic emulsions which comprises mixing a small proportion of a heavy metal nitrate selected from the group consisting of zirconium nitrate, ferric nitrate and uranyl nitrate with the emulsion, coating it out in the form of a thin layer upon a support therefor and fuming the coating while wet with a volatile nitrogen base from the group consisting of ammonia, methylamine, and ethylamine whereby the emulsion is set to a rigid gel.

2,455,937

PREPARATION OF HARDENED POLYVINYL ALCOHOL COATINGS

Wesley G. Lowe, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 23, 1944, Serial No. 560,026

8 Claims. (Cl. 260—29.2)

1. A method of preparing hardened polyvinyl alcohol coatings which comprises incorporating in an aqueous solution of polyvinyl alcohol a water-soluble complex essentially consisting of zirconium nitrate, ethylene glycol in an amount sufficient to prevent the precipitation of zirconium oxide in the complex at a pH of at least 2.9, and an inorganic water-soluble base in an amount sufficient to raise the pH to at least 2.9 but insufficient to precipitate zirconium oxide from the mixture, coating out the solution upon a surface, and drying the same.

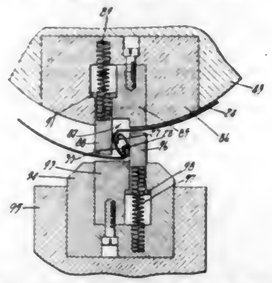
2,455,938

METHOD OF MAKING TUBULAR CONTAINER BODIES WITH SOLDERLESS SIX-LAYER SIDE SEAMS

William McK. Martin, River Forest, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application January 27, 1945, Serial No. 574,840

1 Claim. (Cl. 113—120)



The method of producing a tubular container body having a solderless lined hermetic side seam, comprising feeding a flat blank between a pair of rollers and against a deflector member to form a tubular body about a mandrel, advancing the tubular body along the mandrel to successive stations and at the respective stations performing the following operations on said body: first bending the opposed marginal side seam portions of the body into cooperating interengageable inner and outer primary hooks, then further bending said tubular body adjacent said hooks into inner and outer secondary hooks respectively constituting inner continuations of said primary hooks, then applying a lining material to the inner surface of one of said primary hooks, then bringing the side seam edges of the tubular body together to interengage the hooks of one edge with those of the other edge, and finally compressing said interengaged hooks while confining the hooks against lateral displacement to set up a rotating action to first wrap the secondary hooks around the primary hooks and to thereafter flatten the wrapped hooks into an interfolded locked side seam including six layers of body material with the lining material interposed between the two innermost layers constituting said primary hooks, whereby to produce a hermetic solderless side seam for the container body.

2,455,939

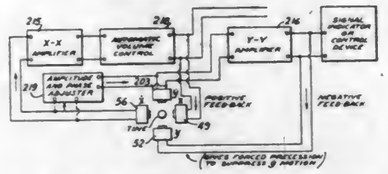
DEVICE FOR DETECTING TURN OR MEASURING RATE OF TURN

Frederick William Meredith, London, England, assignor to S. Smith & Sons (England) Limited, a British company

Application September 27, 1943, Serial No. 504,072

In Great Britain July 27, 1942

11 Claims. (Cl. 33—204)



1. A device for measuring rate of turn, the three dimensional orthogonal axes of which are designated X, Y, and Z, the turn taking place about the Z axis, the X and Y axes therefore lying in the plane of the turn to be detected; said device comprising a base, a mass, said mass being resiliently mounted on the base for movement in the direction of the X axis and in the direction of the Y axis, means for forcing an oscillation of the mass in the direction of the X axis, means controlled by oscillation of the mass in the direction of the Y axis for generating an alternating E. M. F. proportional to the velocities of the oscillations in the direction of the Y axis, and driving means controlled by said E. M. F. for applying a force to oppose and therefore damp oscillations in the direction of the Y axis, said E. M. F. being a measure of the rate of turn.

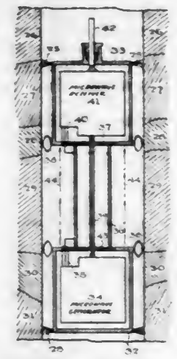
2,455,940

METHOD OF GEOPHYSICAL EXPLORATION BY MICROWAVES

Morris Muskat, Oakmont, and Norman D. Coggeshall, O'Hara Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application November 28, 1944, Serial No. 565,514

1 Claim. (Cl. 175—182)



A method of earth testing for use in logging a bore-hole comprising replacing the borehole fluid by an insulating medium, scraping the walls of the borehole substantially free of extraneous conducting material, generating microwave energy, transmitting microwave energy via the wall of a selected portion of the borehole, receiving said microwave energy and measuring a characteristic value of the received energy.

2,455,941

GEOPHYSICAL PROSPECTING IN BORE-HOLES BY MICROWAVES

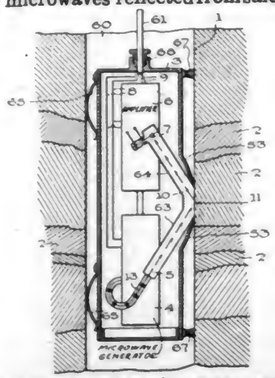
Morris Muskat, Oakmont, and Norman D. Coggeshall, O'Hara Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application December 13, 1944, Serial No. 568,059

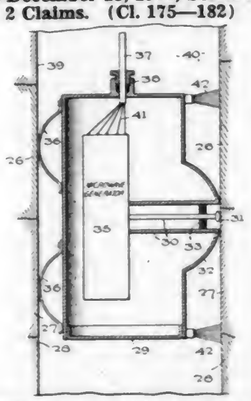
2 Claims. (Cl. 175—182)

1. A method of earth testing for use in logging a borehole which comprises exciting a tubular open-ended wave guide with microwave energy, terminating said wave guide by peripheral contact with the side wall of the borehole so that the axis of the wave guide makes an acute angle with the plane tangent to the borehole wall, exciting from substantially the same microwave-terminating portion of the borehole wall

a second tubular open-ended wave guide directed to receive microwaves reflected from said termination and measuring the microwave excitation of the second wave guide.



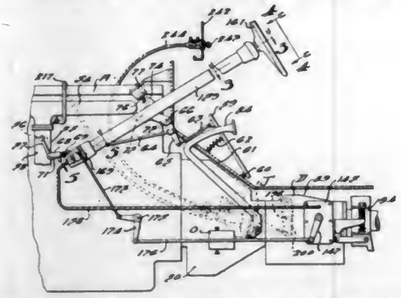
2,455,942
GEOPHYSICAL EXPLORATION OF BOREHOLES BY MICROWAVES
Norman D. Coggeshall, O'Hara Township, Allegheny County, and Morris Muskat, Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application December 13, 1944, Serial No. 568,060
2 Claims. (Cl. 175—182)



1. Borehole logging apparatus comprising a microwave generator, a tubular open-ended microwave guide coupled thereto, means for supporting said microwave guide so that its open end is directed substantially perpendicular to the axis of the borehole, means for urging an open end of said microwave guide substantially throughout its periphery against the wall of the borehole and means for measuring the power absorbed by the microwave generator.

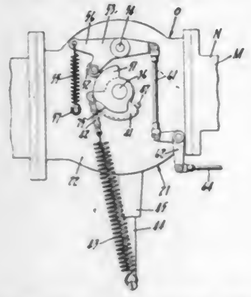
2,455,943
POWER TRANSMISSION
Carl A. Neracher, William T. Dunn, Teno Iavelli, and Augustin J. Syrovy, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 15, 1940, Serial No. 335,310
21 Claims. (Cl. 74—189.5)

1. In a motor vehicle drive having a rotatable driving shaft adapted to receive drive from the engine and a rotatable driven shaft adapted to transmit drive from the driving shaft for driving the vehicle; a first set of clutch teeth carried by the driven shaft for rotation relative thereto; manually operable clutch means operable at the will of the vehicle driver for drivingly connecting or disconnecting the first set of teeth with the driven shaft, said clutch means comprising engageable clutch parts respectively drivingly connected with the first set of teeth and the driven shaft; reduction drive means, including an overrunning clutch interposed therein, operably drivingly connecting the driving shaft with the first set of teeth for driving these teeth from and at a speed slower than that of the driving shaft, said overrunning clutch automatically releasing the



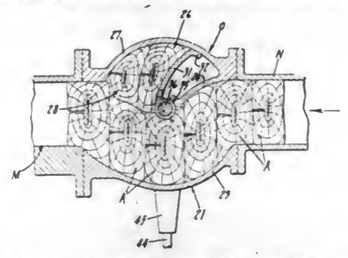
reduction drive in response to coast of the driving shaft; a second set of clutch teeth drivingly connected with the driving shaft; spring operating means for yieldingly urging shifting movement of one of said sets of teeth into positive clutching engagement with the other set when the speeds thereof are approximately synchronous; vacuum power means controlling operation of said spring operating means; blocking control means cooperable with said shiftable teeth for blocking clutching shift thereof when the speeds of said sets of teeth are asynchronous; and means operable at the will of the vehicle driver for controlling shift of said shiftable teeth independently of vacuum operation of said vacuum power means.

2,455,944
EXPANDIBLE TUNNEL FISH CANNING MACHINE
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 20, 1946, Serial No. 670,939
6 Claims. (Cl. 198—37)

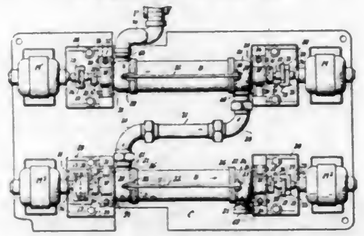


3. In a fish canning machine, the combination of a supply tunnel for confining cut pieces of fish advancing therethrough for delivery to a canning

mechanism said tunnel having flat top and bottom walls and curved side walls, feeding devices for feeding the cut pieces of fish into said tunnel, a pivotally mounted gate for forming a curved portion of one side wall of said tunnel and movable between said top and bottom walls for temporarily increasing the volume of the tunnel to compensate for an excessive accumulation of fish passing through the tunnel, and elements operable by said pivotally mounted gate when moved to increase the volume of the tunnel for controlling the operation of said feeding devices to regulate the quantity of fish fed into said tunnel.



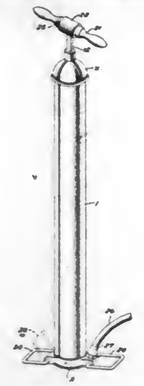
2,455,945
APPARATUS FOR BREAKING AND MAKING EMULSIONS
Charles E. North and Anna P. North, Montclair, N. J.
Application August 7, 1943, Serial No. 497,794
9 Claims. (Cl. 259—64)



1. In apparatus for breaking emulsions, an elongated closed cylindrical casing having an inlet in one end and an outlet in the opposite end, two series of contrivances in and spaced axially of the casing with the contrivances of one series alternating with the contrivances of the other series and the two series of contrivances adapted to be rotated in opposite directions on the axis of the casing, and means connected to the inlet of the casing operative for continuously feeding the emulsion into a column in the casing, the contrivances in the casing adapted by the rotation thereof to whip the column of emulsion into a plastic state and agglomerate the fat globules of the emulsion into clusters, and the feeding of the emulsion into the casing displacing the column of emulsion in the casing as it is whipped and discharging the whipped emulsion with the agglomerated clusters of fat globules from the outlet of the casing.

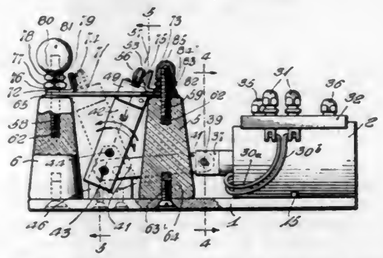
2,455,946
PUMP
George E. Peters and Linus E. Russell, Springfield, Ohio, assignors to Peters & Russell, Inc., Springfield, Ohio, a corporation of Ohio
Application October 20, 1944, Serial No. 559,537
2 Claims. (Cl. 230—190)

1. An air and gas hand pump, including a tubular barrel, a reciprocatory piston therein, a manually operable piston rod, an annular head on the piston rod, a projection upon the inner wall of the annular head, a cross arm insertable through the annular head and capable of limited rotary motion therein, a peripheral cam groove



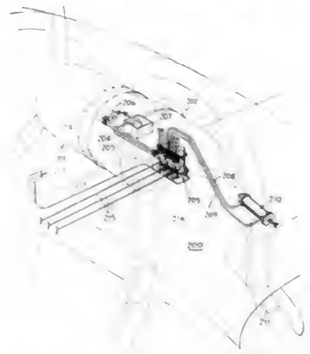
of progressively varying depth in the cross arm within which the projection engages upon insertion of the cross arm into the head and wherein it is tightened upon subsequent partial rotation of the cross arm about its longitudinal axis.

2,455,947
ELECTRICALLY CONTROLLED SWITCH
Osborne I. Price, Frederick, Md., assignor to Magnetic Devices, Inc., Frederick, Md., a corporation of Maryland
Original application September 14, 1942, Serial No. 458,263. Divided and this application February 22, 1944, Serial No. 523,461
4 Claims. (Cl. 174—140)



1. A pedestal insulator supportable from a metallic base, comprising a pedestal structure formed from insulation material, said pedestal structure having screw-threaded recesses symmetrically arranged in each end thereof, electrically conducting graphite packed in each of said recesses, metallic members screw-threaded into each of said recesses and abutting the graphite packed therein, the screw threaded member in one end of said pedestal insulator serving to secure said insulator with respect to a supporting base and the screw-threaded member in the opposite end of said pedestal insulator serving as mounting means for an electrical contact on the end of said insulator, said graphite packed in each of said recesses forming an electrically conductive column internally of said pedestal structure corresponding in transverse section to the section of said screw-threaded metallic members.

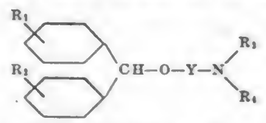
2,455,948
HYDRAULIC CONTROL SYSTEM FOR AIRPLANES
William A. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation
Application October 17, 1942, Serial No. 462,363
1 Claim. (Cl. 244—75)



In an airplane having an engine for propulsion thereof mounted on a wing portion of the airplane, in combination: a movable part, a hydraulic motor for actuating said part and located adjacent thereto, a hydraulic pump driven by said engine and mounted thereon, hydraulic lines interconnecting said motor and said pump and running substantially directly therebetween, a valve controlling flow of liquid through said lines and located in said wing portion, electrical means for operating said valve, mechanical means mounted on said valve for operating the same independently of said electrical means and including means for rendering the electrical means ineffective, a manual control station located in the fuselage of the airplane, an electrical circuit for energizing said electrical means and extending to said control station, manually operable switching means at the control station for controlling said circuit, and a mechanical connection between said control station and said mechanical valve-operating means for independently operating said valve.

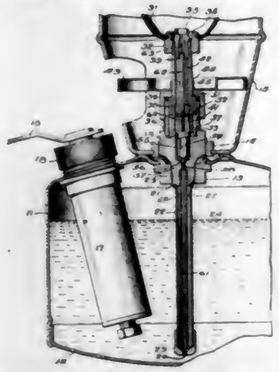
2,455,949
DIALKYLAMINOALKYL BENZHYDRYL ETHERS AND SALTS THEREOF
George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 2, 1947, Serial No. 751,985
7 Claims. (Cl. 260—570)

1. A compound of the class consisting of a free base, its quaternary ammonium salts and its acid addition salts, said free base having the formula,



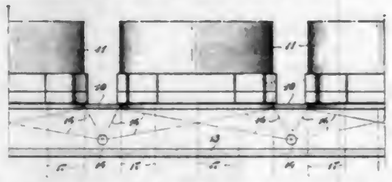
where Y is a branched chain alkylene radical containing 3 to 6 carbon atoms inclusive, R_1 and R_2 are members of the class consisting of hydrogen, halogen, lower alkyl and lower alkoxy and R_3 and R_4 are alkyl radicals containing not more than six carbon atoms.

2,455,950
PORTABLE STOVE FOR BURNING LIQUID FUEL AND BURNER CONTROL MECHANISM THEREFOR
Bestor Robinson, United States Army, Oakland, Calif.
Application July 7, 1942, Serial No. 449,987
17 Claims. (Cl. 158—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



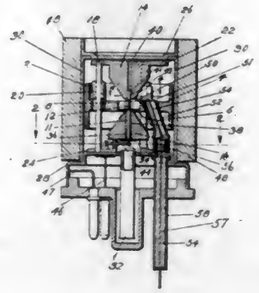
7. In a hydrocarbon fuel burner, in combination, a fuel reservoir and a burner assembly including a jet having a fuel orifice, said burner assembly including a body portion, an air tube extending downwardly from said body portion and communicating with the fuel reservoir, a fuel tube extending downwardly from said body portion and communicating with the fuel reservoir; a fuel mixing valve associated with said air and fuel tubes, and a jet cleaning needle structure including a needle, said needle being positioned above said fuel mixing valve and adapted to enter the fuel orifice of the jet, the cleaning needle structure and the valve being mechanically interconnected with each other, and means to move the cleaning needle structure and valve simultaneously with each other so as to open the mixing valve and raise the cleaning needle into operating engagement with the fuel orifice of the burner tip.

2,455,951
INSTRUMENT LIGHTING
John M. Roper, Washington, D. C., and Maurice K. Laufer, Chevy Chase, Md.
Application February 23, 1944, Serial No. 523,554
4 Claims. (Cl. 240—2.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



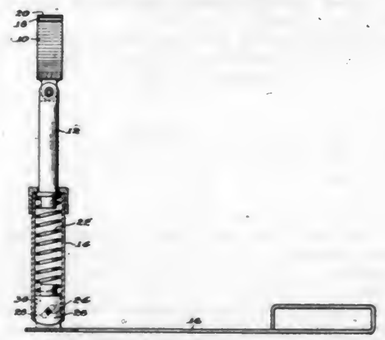
4. Instrument lighting means comprising a source of blue light, orange yellow fluorescent instrument markings so positioned as to be activated by radiations from said source of blue light, and a translucent red panel located to place the source of radiations and the activated instrument markings on the one side of the panel and the eyes of the observer on the other side of the panel to thereby screen out all radiations except those emitted by said activated instrument markings.

2,455,952
MAGNETRON
Robert C. Schmidt, Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 9, 1945, Serial No. 572,035
4 Claims. (Cl. 250—27.5)



1. An electron-discharge device comprising: a cathode; an anode structure, including a plurality of cavity resonators, spaced from and surrounding said cathode; opposed pole pieces at opposite ends of said cavity resonators; an hermetically sealed envelope enclosing said cathode, said anode structure, and said pole pieces; and means, carried by said pole pieces independently of and spaced from said envelope, supporting said anode structure.

2,455,953
WHEEL MOUNTING HOLDER
Walter Emanuel Schultz, Weirton, W. Va.
Application February 25, 1947, Serial No. 730,845
5 Claims. (Cl. 188—32)

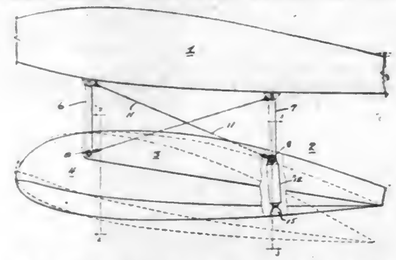


1. A wheel hub holder comprising: a hub-engaging friction shoe, a plunger for supporting the shoe, a floor-engaging member, a spring connected between the floor member and the plunger arranged to yieldably move the plunger away from the member, and a handle connected with said member to move the member and plunger into position to force the shoe into pressure engagement with the hub.

2,455,954
PROCESS FOR PRODUCING WHITE CAST IRON CASTINGS
Oliver Smalley, Larchmont, N. Y., assignor to Meehanite Metal Corporation
No Drawing. Application September 22, 1945, Serial No. 618,059
3 Claims. (Cl. 75—130)

3. A process to give positive control of the physical properties in a white iron casting which comprises providing molten cast iron which produces a constitutional carbide wedge value embraced in a range having a minimum value of at least substantially $^{24}/_{32}$ for castings ½-inch thick, $^{48}/_{32}$ for castings substantially 1-inch thick and $^{80}/_{32}$ for castings substantially 2-inches thick and having a maximum value of at least substantially $^{50}/_{32}$ for castings substantially ½-inch thick, $^{90}/_{32}$ for castings substantially 1-inch thick, and $^{192}/_{32}$ for castings substantially 2-inches thick, and processing the molten material to give a processed carbide wedge value embraced within a range having a minimum value of at least substantially $^{20}/_{32}$ for castings substantially ½-inch thick, $^{40}/_{32}$ for castings substantially 1-inch thick, and $^{72}/_{32}$ for castings substantially 2-inches thick and having a maximum value of at least substantially $^{40}/_{32}$ for castings substantially ½-inch thick, $^{80}/_{32}$ for castings substantially 1-inch thick, and $^{160}/_{32}$ for castings substantially 2-inches thick.

2,455,955
WING-TIP FLOAT STRUCTURE FOR AIRCRAFT
Glenn A. Smith, United States Navy
Application May 5, 1945, Serial No. 592,157
3 Claims. (Cl. 244—105)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

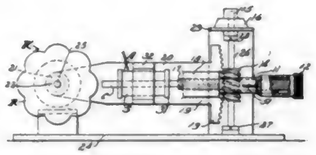


1. For use on an airfoil, at least one pair of strut structures and a single strut structure, the respective structures depending rigidly from the airfoil and spaced in the front to rear direction, a cover occupying a position between the strut structures, being affixed to the rear strut structure and extending into approximation with the pair of front strut structures, a hull member underlying the cover and partially housed thereby, fastener means rigidly securing the front of the cover to the pair of struts and simultaneously supporting the hull member for pivotal movement in respect to the cover, and telescopically contrived pressure fluid-operable means having its relatively movable components respectively pivotally attached to the hull and to the rear strut structure.

2,455,956
ADJUSTABLE GENERATOR
Craige M. Snader, Rosedale, Pa.
Application August 8, 1945, Serial No. 609,671
5 Claims. (Cl. 171—252)

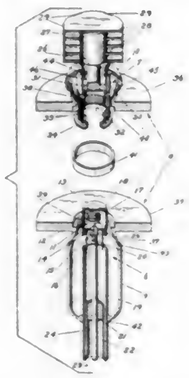
1. In a multiple wave generator a supporting structure, a driving shaft journaled with respect

to said supporting structure, a magnetic rotor driven by said shaft, a bracket mounted on said supporting structure and spaced from said driving shaft, a plate member journalled at one end about said shaft and projecting into said bracket at the other end thereof, adjustable gear means associated with the last mentioned end of said plate member, an electromagnetic solenoid system a bracket for mounting said electromagnetic solenoid system on said plate member, a magnetized core member adjustable through



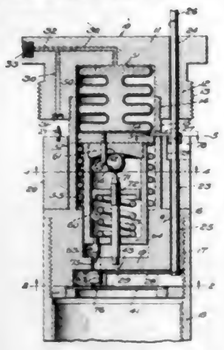
said solenoid system toward or away from the periphery of said magnetic rotor, an electrical circuit connected with said solenoid system, and means associated with said gear system for variably adjusting the spatial relation of said magnetized core member with respect to the periphery of said rotor and selectively fixing the radial position of said magnetized core member with respect to the periphery of said rotor for controlling the characteristics of current generated in said solenoid system and supplied to said electric circuit.

2,455,957
MULTIELEMENT ELECTRON-DISCHARGE DEVICE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 9, 1945, Serial No. 592,881
7 Claims. (Cl. 250—27.5)



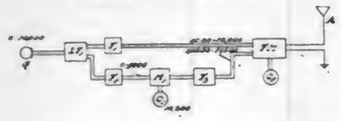
1. An electron-discharge device comprising: a plurality of electrodes, one of which consists of a pair of annular members surrounding the remaining electrodes; said annular members having contacting surfaces of appreciable area lying in a plane normal to the direction of the axes thereof; and a pair of envelopes each of which is sealed to one of said annular members and to one of the remaining electrodes.

2,455,958
DELAY ARMING ANTIDISTURBANCE FUSE
John Taylor, Bronxville, N. Y.
Application February 27, 1947, Serial No. 731,200
1 Claim. (Cl. 102—81)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a fuse, the combination of arming means comprising a fluid filled compressible member, means for bleeding fluid from said member, means associated with said member operative to arm said fuse upon at least partial compression of said member, said last named means comprising a retainer retractable upon compression of said member, a readily displaceable element normally held in an operative position by said retainer but being freed for displacement upon retraction of said retainer, a spring loaded firing mechanism in engagement with said element, said mechanism being releasable from said element for movement in a firing direction upon displacement of said element.

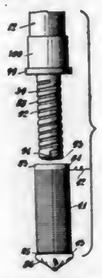
2,455,959
DEVICE FOR THE TRANSMISSION OF SIGNALS BY MEANS OF FREQUENCY-MODULATED CARRIER WAVES
Jan van der Mark and Theodorus Josephus Weyers, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 24, 1943, Serial No. 480,362
In the Netherlands April 3, 1941
2 Claims. (Cl. 250—6)



1. In a frequency modulation system, a source of wave energy of carrier wave frequency to be modulated, a source of modulating potentials coupled to said source of wave energy to modulate the frequency of the latter in accordance with the modulating potentials, and means in said coupling for increasing the frequencies of a band of lower frequency modulation potentials by selected equal amounts which exceed the lowest modulation frequency to reduce at a receiving point distortion at said lower frequency modulation potentials due to multipath transmission comprising, filter circuits for separating a band of modulating potentials in the lower frequency range of said modulating potentials from the remaining modulation potentials, separate paths coupling said filter circuits to said frequency

modulator for supplying the modulating potentials to said frequency modulator and heterodyning means in the path supplying said band of lower frequency modulating potentials.

2,455,960
ELECTRICAL TRANSFORMER
Alexander C. Wall, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application November 16, 1945, Serial No. 629,174
3 Claims. (Cl. 175—359)



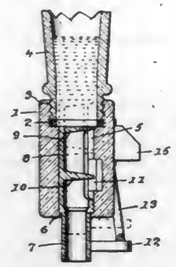
1. An electrical transformer comprising, in combination, a primary winding, a substantially cylindrical flat-bottomed glass cup for receiving said winding, a secondary winding wound about the exterior of said cup, a disc of metallic foil substantially greater in diameter than said cup, and a body of solder anchoring the high tension end of said secondary winding and said foil disc to the substantially flat bottom of said cup, said foil disc being preliminarily coned to serve as a contour-adaptable terminal for the high tension end of said secondary winding.

2,455,961
HYDRAULIC FLUID
Kenneth E. Walker, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 10, 1944, Serial No. 539.779
8 Claims. (Cl. 252—75)

1. A hydraulic fluid consisting essentially of a base mixture of water and from 30% to 95% by volume of ethylene glycol having dissolved therein a soluble thickener of the class consisting of ethyl bromide addition product of polyvinyl pyridine, ethyl bromide addition poduct of styrene-vinyl pyridine co-polymer, polyvinyl alcohol, alkali metal polyacrylates, alkali metal polyalkacrylates, and alkali metal salts of N-(carboxyalkoxymethyl) - polyamides, said soluble thickener having a molecular weight in excess of 1000 and being present in the proportion of from 1 to 30 grams per 100 cubic centimeters of the said base mixture.

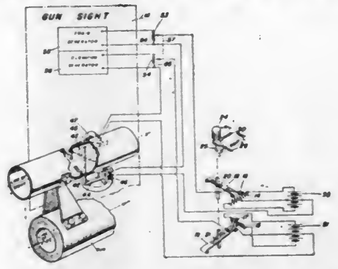
2,455,962
RECORDING LIQUID DISPENSER
Harold R. Wheeler and Joseph A. Kofalt, Harrisburg, Pa.
Application July 25, 1946, Serial No. 686,248
3 Claims. (Cl. 222—38)

3. In a measuring dispenser for bottles and the like, a cylindrical body having a centrally disposed bore extending longitudinally therethrough with an inner circumferential bead at the outer end and an internally threaded socket at the inner end, said body having a bypass recess communicating with the bore in one side thereof and intermediate of the ends, and a tube providing a spout with a centrally disposed discharge passage and also providing a cylindrical base, the outside diameter of which is greater than that of the circumferential bead, said tube being slidably mounted in the bore of the body, said cylindrical base being closed at the inner end and provided with a transverse baffle intermediate of the ends dividing the base into separated chambers with



the outer chamber communicating with the discharge passage, said base having a longitudinally extending slot in one side communicating with each of the chambers thereof and also adapted to communicate with the said bypass recess in the side of the bore of the body, and said tube having an actuating arm with a link pivotally connected thereto extending from one side thereof, said link adapted to actuate a counter positioned on the said body.

2,455,963
ELECTRICAL GUN SIGHT CONTROL
Phillip Rood Wheeler, Alexandria, Va.
Application November 8, 1945, Serial No. 627,515
1 Claim. (Cl. 177—351)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a gun mounted for training and elevation movement and having a gun sight provided with a reference mark and means for deflecting the reference mark in one coordinate direction by an amount functionally related to a first electrical signal and means for deflecting the reference mark in a second coordinate direction by an amount functionally related to a second electrical signal, whereby said reference mark is positioned in a frame of Cartesian coordinates to provide an indication the combination of, a control arrangement for adjusting both of said deflecting means comprising a manually displaceable control member, means responsive to displacement of said control member in one coordinate direction for varying said first signal and means responsive to the displacement of said control member in

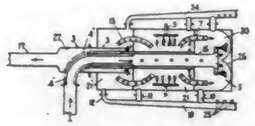
another coordinate direction for varying said second signal, whereby displacement of said control member in its frame causes displacement of said reference mark in its frame.

2,455,964
PEN
Arthur Winter, Weehawken, N. J.
Application September 22, 1944, Serial No. 555,243
9 Claims. (Cl. 120—50)



1. In a fountain pen a feed including an outside feed having a bore therein, a portion of said outside feed being cut away to define an open section into said bore. a slot extending into said bore and running from the open section to the rear of the outside feed, a plurality of grooves communicating with said slot, a feed plug positioned within said outside feed, said feed plug having a pair of grooves running longitudinally thereof and merging short of the forward end of the feed plug to form a slot with a pen nib positioned in said slot.

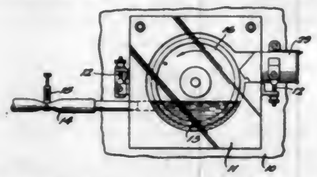
2,455,965
WET-TYPE WATER-SEPARATING STEAM-INHIBITING EXHAUST MUFFLER
George Wohlberg, Annapolis, Md.
Application March 25, 1943, Serial No. 480,554
12 Claims. (Cl. 181—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. A wet-type exhaust muffler for internal combustion engines comprising inlet and outlet means, a section provided with passages or spaces arranged in heat-transferring relation to one another so that the hot gases flowing through the inlet means can impart heat to the cooled gases leaving the muffler through the outlet means, a second section provided with water sprays for the gases coming from the inlet means to cool them and to quench sparks, a drain for the excess water in this section, a third section connected to the outlet means provided with means for imparting a whirling motion to the gases coming from the second section for centrifugally separating the water particles from the wet gases and draining means in said third section for the separated water.

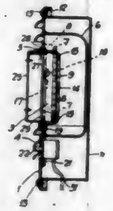
2,455,966
VAPOR INDICATING APPARATUS
Robert A. Ackley, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application October 19, 1946, Serial No. 704,418
8 Claims. (Cl. 73—29)

1. Vapor indicating apparatus comprising a rotatable disc having a flat polished portion on one face, means to rotate the disc, means to circulate air containing non-aqueous vapor over the disc, means to hold a body of water in contact with the lower portion of the disc whereby circulation of air thereover will cool the disc to a temperature above the dew point of the air, and means



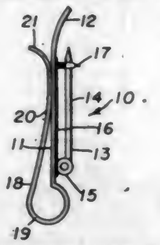
to sense the condensation of vapor on the flat polished surface of the disc.

2,455,967
ELECTRIC HEATER
Edwin C. Adams, Pittsburgh, Pa., assignor to Adams Bros. Mfg. Co., Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application April 10, 1945, Serial No. 587,642
5 Claims. (Cl. 219—34)



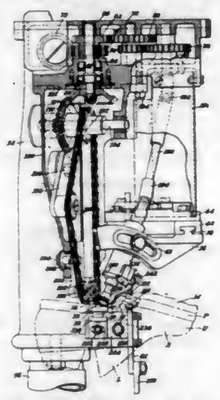
1. In an electric heater, in combination a main frame having an opening therein, a heating element container insertable from the front into said opening, a lug secured to said frame for supporting said container, a hook on said container for engaging said lug, a cover plate for a portion of said opening adjacent that portion filled by said container, a lug on said cover plate disposed to make locking engagement with said frame, a lug on said container for engaging said cover plate, and detachable element for securing said cover plate to said last-mentioned lug and locking the cover plate and the heating element container securely in said main frame.

2,455,968
KEY HOLDER
Edna J. Baker, Los Angeles, Calif.
Application March 3, 1947, Serial No. 732,083
2 Claims. (Cl. 24—3)



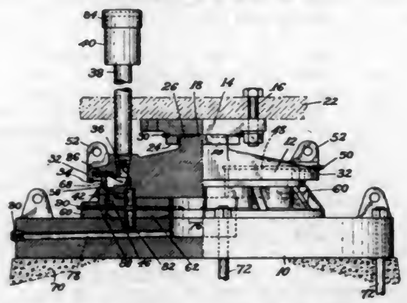
1. A key holder comprising a vertically disposed, substantially rectangular plate, a vertically extending pin hinged at its lower end to the rear face of said plate, a detent carried by the rear face of said plate at the upper end of the pin for engaging the free end thereof, the upper end of said plate being arcuate to extend over the free end of the pin to shield the same, and a strip-like extension at the lower end of said plate bent back upon itself to provide a keeper seat.

2,455,969
LASTING MACHINE
Corwin W. Baker, Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 16, 1945, Serial No. 593,981
8 Claims. (Cl. 12—1)



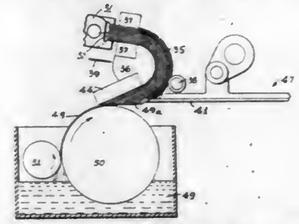
7. A lasting machine having a driven roll for applying a frictional drag on the lasted margin of stock to be lasted, a member for pressing said lasting margin against the roll, said member comprising a body portion formed with a surface for engaging the stock at a location on the roll adjacent to the edge of a shoe presented to the machine and a part having a surface for engaging the stock at a location inwardly from the edge of the shoe, said last-named part being yieldably movable relative to said body portion, away from the roll, means for yieldingly urging said member toward the roll, and means for periodically moving said member away from the roll.

2,455,970
CENTER BEARING
Harry A. Balke, Valencia, Pa., assignor to American Bridge Company, a corporation of New Jersey
Application August 23, 1944, Serial No. 550,781
3 Claims. (Cl. 308—137)



1. In a center bearing including a base, an annular flange upstanding from said base forming a centering ring, a stationary bearing disc seated within said ring, a second bearing disc within said ring resting on the stationary disc for rotary movement thereon, said second disc having a peripheral surface slidably engaging said flange as a radial bearing, and a circular load-distributing member resting on said second disc, the improvement comprising a substantially flat-topped elongated boss extending diametrically across the top of said member, said boss having a flat raised rib extending longitudinally thereof, and a saddle resting on said boss, said saddle having a flat bottom surface which engages said rib and shoulders depending therefrom adjacent the sides and ends of said boss.

2,455,971
BOOKBINDING AND METHOD OF PRODUCING THE SAME
James F. Bosch, Wappingers Falls, N. Y.
Application November 4, 1947, Serial No. 783,974
5 Claims. (Cl. 11—1)



1. A method of bookbinding which comprises the steps of assembling sheets in a predetermined order to form a stack, clamping said stack adjacent one edge thereof, trimming at least the edge of said stack opposite said one edge, clamping a part of the stack adjacent the clamped edge thereof against a forming device, pressing the unclamped portion of the stack against said forming device, bending the unclamped portion of the stack by turning a portion of said forming device about an axis parallel to said one edge, whereby marginal portions of said sheets along said opposite edge will be exposed, pressing said stack in proximity to said exposed marginal portions against a pressure plate, mechanically applying a predetermined layer of adhesive to said marginal portions, and returning the stack to its original, straight condition.

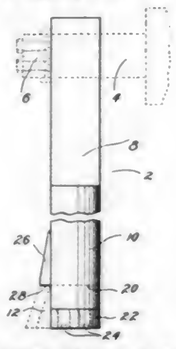
2,455,972
COMBINATION MAGNIFYING LENS AND PUNCH OR THE LIKE
Hoel L. Bowditch, Sharon, Mass.
Application April 21, 1945, Serial No. 589,668
1 Claim. (Cl. 88—39)



In combination, a tool having an elongated generally cylindrical stem terminating in a working end, said stem and working end having a common longitudinal center line, an optical lens the periphery of which extends appreciably outwardly from said center line and said lens having a flat surface facing the working end, a convex surface facing the tool stem and having an opening therethrough concentric with the axis of said lens for receiving said stem, and holding means

for holding said lens axially along said stem to position the end of said tool within the focal length of said lens, and to position the end of the tool with respect to the said periphery so that the angle between the said center line and a line passing through the end and periphery is in the order of 45°, whereby the working end of said tool may be viewed through the lens over a wide angle throughout 360° of rotation of the tool about its longitudinal center line.

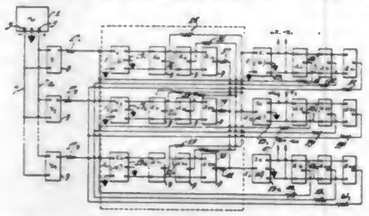
2,455,973
KEYWAY CUTTER HOLDER
William J. Boyd, Jr., Pittsburgh, Pa.
Application June 27, 1945, Serial No. 601,898
3 Claims. (Cl. 29—96)



1. In the combination of a metal cutting keyway cutter having a shank and a cutting portion, said cutting portion having a cutting edge projecting from one end thereof and a cutter holder securing said cutter, the improved holder which comprises an elongated shank portion, a cutting tool holding portion coextensive with the shank of the holder, said tool holding portion having a slot therein extending substantially perpendicular to the axis thereof and of such width and shape as to fit the opposite side surfaces of the cutter shank closely, at least one set screw substantially perpendicular to the direction of the slot, said set screw extending through and having screw threaded engagement with the wall of the slot opposite the shank of the holder, said set screw having an inner end of substantially the same diameter as the width of the slot for engagement with the cutter shank, said cutter holding portion having a back-up portion projecting outwardly therefrom on the side of the slot toward the shank of the holder so as to engage the rear of the cutting portion of the cutter secured in the holder and to back it up in the vicinity at the rear of the cutting edge.

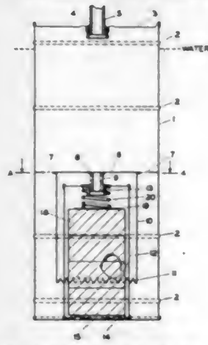
2,455,974
AUTOMATIC SOLUTION OF LINEAR SIMULTANEOUS EQUATIONS
George W. Brown, Ames, Iowa, assignor to Radio Corporation of America, a corporation of Delaware
Application November 15, 1946, Serial No. 709,920
14 Claims. (Cl. 235—61)

6. A device of the character described which includes a source of voltage, a first plurality of voltage dividers connected to said source; a first group of amplifiers connected one to each voltage divider, a second plurality of voltage dividers connected to the output of each amplifier, the output of each voltage divider of a given amplifier being coupled to one voltage divider of each other amplifier and to one of a second group of amplifiers; a third plurality of voltage dividers connected to the output of each amplifier of the second group,



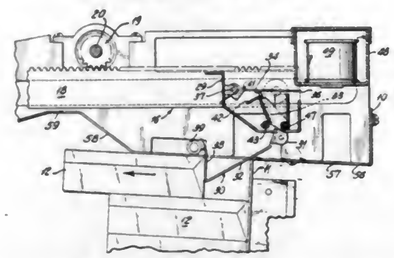
the output of each voltage divider of a given amplifier of the second group being coupled to the output of one voltage divider of each other amplifier of the second group and to the input of one of the first group of amplifiers.

2,455,975
GAS GENERATOR
Walter M. Buehl and Clark B. Shepherd, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 28, 1944, Serial No. 542,582
2 Claims. (Cl. 23—282)



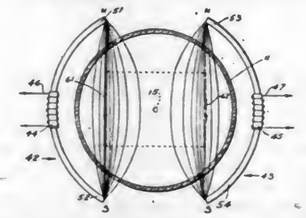
1. A portable gas generator of the type adapted to generate gas by chemical reaction between water and a solid gas generating material when the generator is partly immersed in water, which comprises a gas collector which is essentially a hollow shell open at the bottom and having an opening to serve as a gas outlet at the top, a cylindrical baffle which is a cylindrical hollow shell closed at the top and open at the bottom mounted inside said shell in the lower portion thereof, the bottom edge of said baffle being located a short distance above the bottom edge of said shell, the bottom edge of said baffle being serrated, the portion of said shell above said baffle forming a chamber which is connected by passageways with said lower portion, and a cylindrical container for gas generating material provided with fastening means for detachably mounting it inside and concentric with said cylindrical baffle and spaced from the top and sidewall thereof, the bottom of said container being substantially flush with the bottom of said shell, an opening in the bottom of said container provided with a readily detachable closure and an opening in the top of said container likewise adapted to be provided with readily detachable closure means for use when the container is disassembled from the baffle.

2,455,976
ARTICLE EJECTOR FOR VENDING MACHINES
Mario Caruso, Maplewood, N. J., assignor to C-Eight Laboratories, Newark, N. J.
Original application December 26, 1946, Serial No. 718,529. Divided and this application December 10, 1947, Serial No. 790,842
8 Claims. (Cl. 312—68)



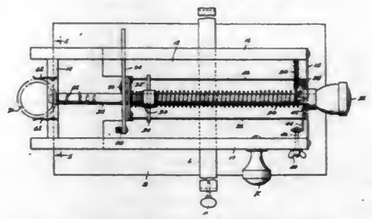
1. In an article ejector structure for vending machines employing means for feeding upwardly articles of merchandise arranged in columns, a reciprocating carriage movable above and transversely in respect to the direction of movement of the merchandise columns, a plurality of individual ejector elements, one for each column, releasably mounted in said carriage but normally held in inoperative position above and clearing the merchandise, means for releasing one of the ejector elements to its operative position for engagement with an article of merchandise in one of the columns, means for actuating said carriage to move first in one and then in the reverse direction, and means for resetting the released ejector element, the first movement of the carriage causing the released element to eject the engaged article and to reset the element to its inoperative position, the reverse movement of the carriage placing the latter and its ejector elements to a starting position ready for the next operation.

2,455,977
MAGNETIC LENS FOR CORRECTING SCANNING DEFECTS
Carlo V. Bocciarelli, Oxford, Pa., assignor to Philco Corporation, a corporation of Pennsylvania
Application December 31, 1946, Serial No. 719,428
13 Claims. (Cl. 250—157)



1. In an image system, a cathode ray tube having means for generating a luminous spot, means for applying a sweep signal to said cathode ray tube for deflecting said luminous spot, said sweep signal having a substantially non-linear time variation, and an adjustable magnetic means for establishing a constant magnetic field through said cathode ray tube, the orientation and configuration of said magnetic field being arranged whereby in combination with said sweep signal said field provides substantially linear deflection of said luminous spot.

2,455,978
SPRING-ACTUATED PROJECTOR FOR GAME BOARDS
Leonardo Colaluca, Somerville, N. J.
Application June 12, 1947, Serial No. 754,186
1 Claim. (Cl. 273—129)

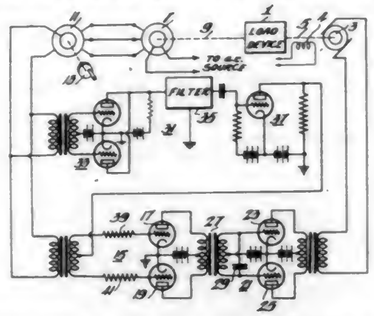


In a projector, a base, a housing supported on said base and mounted for pivotal movement about a vertical axis, a cover supported on said housing, a sight projecting from said cover for aiming said housing, a rod extending longitudinally in said housing and slidably supported by the latter, a collar mounted on said rod intermediate the ends of the latter, a frame disposed within said housing and supported on said base, means embodying a pin projecting through said rod and collar and engaging said frame for preventing rotary movement of said rod, manually-operable means embodying a knob on one end of said rod for causing retractile movement of the latter, resilient means embodying a coil spring circumposed on said rod for biasing said rod out of its retractile position, a pair of spaced prongs projecting forwardly from said housing for releasably holding a projectile therebetween, there being a plurality of spaced notches in said rod, a latch lever pivotally connected to said frame for movement into and out of engagement with one of said notches for releasably maintaining said rod in its retractile position, resilient means embodying a coil spring operatively connected to said latch lever for biasing the latter into engagement with one of said notches when said rod is in its retractile position, whereby movement of said latch lever out of engagement with said notch causes said rod to be moved forwardly to thereby strike said projectile.

2,455,979
ELECTRO-SERVO SYSTEM
James W. Conklin, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application February 24, 1943, Serial No. 476,901
7 Claims. (Cl. 318—30)

3. A control system for driving by energy from an alternating current source a load device to an angular position corresponding to that of a control member, comprising a first synchro transformer, a second synchro transformer mechanically connected to said load device and electrically connected between said alternating current source and said first synchro transformer, a mechanical connection between said first synchro transformer and said control member, an amplifier having means including a series grid limiting resistor coupling the input thereof to said first synchro transformer, means for producing a negative D.-C. bias voltage proportional in amplitude to the rate of decrease of the voltage de-

veloped by said first synchro transformer, and means for applying said bias voltage to the input



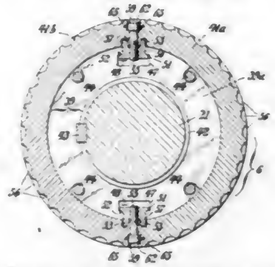
of said amplifier to reduce the output thereof as a function of said rate of decrease.

2,455,980

SPLIT ROLL FOR BRIQUETTING MACHINES OR THE LIKE

George Mifflin Dallas and Bernard M. Fine, Philadelphia, Pa., assignors to American Briquet Company, Philadelphia, Pa., a corporation of Delaware

Application September 5, 1947, Serial No. 772,436
11 Claims. (Cl. 18—21)



4. A roll for a briquetting machine or the like comprising a generally cylindrical body having shouldered cavities extending axially substantially throughout the length thereof at its perimeter, a series of wedge blocks disposed end to end through said cavities, said wedge blocks having nut portions fitting within said cavities with capacity for limited radial movement, but restrained against rotation therein, and, having outwardly projecting lugs, a cylindrical shell surrounding said body and consisting of arcuate segments interiorly recessed to receive the outwardly projecting lugs of said wedge blocks, and bolting means passing through said shell and having threads engaging the nut portions of said wedge blocks to secure said arcuate segments in firm engagement with said body.

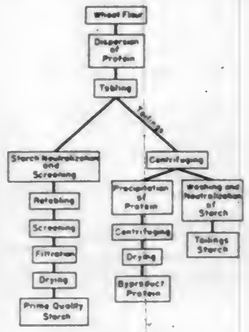
2,455,981

ALKALI PROCESS FOR WHEAT STARCH PRODUCTION

Robert J. Dimler, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture

Application August 21, 1944, Serial No. 550,477
6 Claims. (Cl. 127—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process comprising treating wheat flour with 6 to 12 parts of an aqueous alkaline material per part of moisture-free flour at a pH of at least 10.5 and at a temperature below the temperature at which the starch gelatinizes to cause



a homogeneous dispersion of the protein therein, and separating the starch granules from the liquid protein dispersion.

2,455,982

SEALING WASHER

George H. Dowty, Cheltenham, England

Application July 16, 1945, Serial No. 605,298
In Great Britain May 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 3, 1964
7 Claims. (Cl. 288—20)



3. A composite sealing washer comprising an annular sealing ring of resiliently deformable material, having two generally axially extending faces, and an annular confining ring of substantially non-deformable material abutting said sealing ring along one of the axially extending faces of the latter, the abutted face of the sealing ring being of an axial length not greater than the axial length of the abutting face of the confining ring, and the other face of the sealing ring, when such ring is relaxed, being substantially cylindrical, and of an axial length greater than the greatest axial length of said confining ring.

2,455,983

PRODUCTION OF POLYMERS FROM CARBYLAMINE AND CARBOXYLIC COMPOUNDS

Henry Dreyfus, London, England; Claude Bonard administrator of said Henry Dreyfus, deceased, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 31, 1944, Serial No. 561,327. In Great Britain March 10, 1941
4 Claims. (Cl. 260—78)

1. Process for the production of linear polymers of high molecular weight, which comprises heating a reaction mass wherein the polymer-forming molecules each contain two, and only two, reactive radicles, the total number of reactive radicles being made up of approximately equal numbers of carbylamine and carboxyl radicles, all said polymer-forming molecules

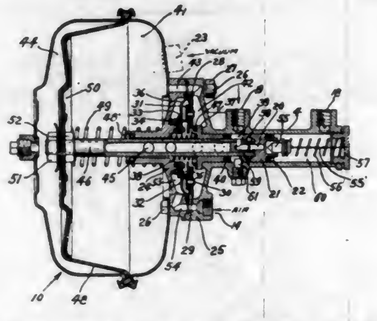
which contain pairs of dissimilar reactive radicles being such that said radicles are joined by a chain of at least 6 atoms, and all said polymer-forming molecules which contain pairs of similar reactive radicles being such that, in any two mutually reactive molecules, the sum of the number of atoms in the chain joining a pair of carbylamine radicles and of the number of atoms in the chain joining a pair of carboxyl radicles is at least 4.

2,455,984

HYDRAULIC PRESSURE INTENSIFIER UNIT

Gordon R. Elliott, Ferndale, Mich., assignor to Irving A. Puchner and Edward U. Demmer, Milwaukee, Wis.

Application January 22, 1945, Serial No. 573,997
9 Claims. (Cl. 60—54.5)



1. The combination, a hydraulic cylinder, a valve control piston and a fluid control piston with an opening therethrough oppositely disposed therein providing a fluid chamber therebetween, there being a secondary fluid chamber in said cylinder for delivering fluid under pressure, a manually controlled pressure fluid source joining said first chamber, adapted for communication with said secondary chamber through said fluid control piston, and for operative pressure engagement with said valve control piston for effecting movement thereof, a power chamber, a movable member therein, means on said member slidably extending through said valve control piston and joined at its outer end to said fluid control piston and adapted to forceful translation upon a pressure differential on opposite sides of said movable chamber, an air and vacuum control valve intermediate said cylinder and power chamber engageable by said valve control piston for effecting said differential, valve means in said secondary fluid chamber for closing the opening in said fluid control piston on movement thereof in one direction, and flexible limiting means joined to said valve means for unseating the same relative to said piston opening on movement thereof in the opposite direction.

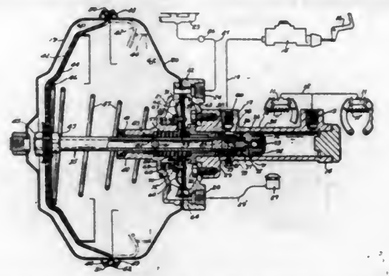
2,455,985

HYDRAULIC BRAKE BOOSTER

Gordon R. Elliott, Ferndale, Mich., assignor to Irving A. Puchner and Edward U. Demmer, Milwaukee, Wis.

Application May 14, 1945, Serial No. 593,723
8 Claims. (Cl. 60—54.5)

1. The combination, a hydraulic cylinder, valve control and fluid control pistons oppositely disposed therein providing a fluid chamber therebetween, there being a secondary fluid chamber in said cylinder for delivering fluid under pressure, a manually controlled pressure fluid source joining said first chamber, adapted for communication with said secondary chamber through an opening in said fluid control piston, and for operative pressure engagement with said valve control piston for effecting movement thereof, a power chamber, a movable member therein, means on said member slidably extending through said valve control piston and joined at its outer end



to said fluid control piston and adapted to forceful translation upon a pressure differential on opposite sides of said movable member, and air and vacuum control valve intermediate said cylinder and power chamber engageable by said valve control piston for effecting said differential, and valve means in said fluid control piston engaged by and responsive to initial movements of said valve control piston for closing the opening therein.

2,455,986

LIPSTICK DRESS PROTECTOR

David Evenwell, San Francisco, Calif.

Application December 14, 1946, Serial No. 716,419
1 Claim. (Cl. 2—174)



A guard of the character described comprising a concave body portion having a central slot therein and capable of surrounding the ornamented lips of the user, an elongated strip secured to said body portion and positioned substantially at right angles thereto said securing means comprising a pair of adhesive tabs integrally formed with said strip, said strip having a reduced end penetrating said body through the slot thereof to provide a finger hold, and spaced ribs formed on said strip to prevent accidental displacement of the latter from the teeth of the user.

2,455,987

MANUFACTURE OF HYDROGEN CYANIDE

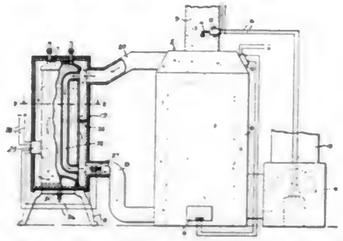
Leonard Fallows and Eric Vernon Mellers, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 3, 1945, Serial No. 620,191. In Great Britain October 25, 1944
8 Claims. (Cl. 23—151)

1. Process for the manufacture of hydrogen cyanide, which comprises passing ammonia mixed with at least an equal volume of carbon monoxide and substantially free from oxidizing gases in contact with a catalyst which, at the beginning of the reaction, comprises manganese diox-

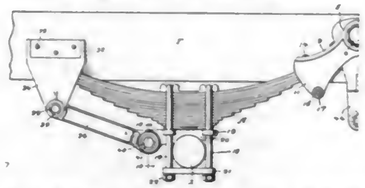
ide at a space velocity of at least 10 litres of ammonia, measured at 0° C. and 760 millimeters of pressure, per hour per litre of catalyst and at a temperature above 450° C.

2,455,988
WATER HEATER
Truesdell C. Fife, Reading, Mass.
Application December 14, 1945, Serial No. 634,944
2 Claims. (Cl. 237—2)



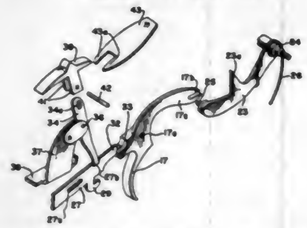
1. In a hot air heating furnace including heating means and a chamber for air heated thereby, means for heating water, comprising a water tank located remotely from said furnace, a casing inclosing said tank and spaced therefrom to provide an air space therearound, a hot air inlet conduit connecting said chamber and casing and opening into said air space of said casing adjacent one end thereof, a cool air outlet conduit connecting said chamber and said casing and opening out of said air space of said casing adjacent an opposite end thereof, power means for circulating heated air through said chamber, conduits and casing, baffle means in the air space of said casing intermediate said conduits, and at least one flue through said tank, said flue opening into said air space at points adjacent to and in facing relation to said conduit openings.

2,455,989
TANDEM AXLE SPRING SUSPENSION
Van Frazier, Springfield, Mo.
Application October 20, 1947, Serial No. 780,876
2 Claims. (Cl. 280—104.5)



1. In a tandem spring suspension for a vehicle, the combination with a longitudinally-extending frame, and a pair of spaced, parallel axles arranged transversely below said frame, of a shaft disposed above said axles and supported in said frame, an equalizer operatively connected to said shaft, said equalizer comprising a bearing head for rotatably receiving an end of said shaft, a pair of diverging channel arms dependingly carried by said bearing head, a pair of spaced, parallel flanges dependingly carried by each of said arms and coacting with the latter to define a pair of housings, an upper bearing plate supported on each of said axles, a pair of floating springs arranged in end-to-end relation with respect to each other and supported on said upper bearing plates, the adjacent ends of said springs being slidably seated in the housings of said equalizer, resilient means in each of said housings for engagement with the ends of said springs, a bracket casing arranged on each side of said equalizer and secured to said frame, a pair of spaced, parallel flanges dependingly carried by each of said bracket casings for receiving the other ends of said springs to prevent lateral displacement of the latter, resilient means in each of said bracket casings coacting with the complemental ends of said floating springs, a first coupling link having one end pivotally connected to one of said bracket casings and having its other end pivotally connected to one of said bearing plates, a bracket dependingly supported by said equalizer, a second coupling link having one end pivotally connected to said bracket and having its other end pivotally connected to the other of said bearing plates, and resilient means in the pivotal connections of said links.

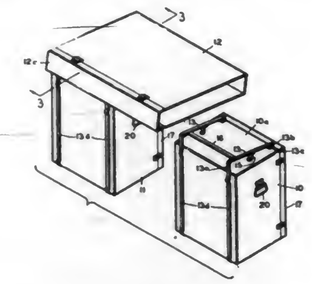
2,455,990
SAFETY DEVICE FOR FIREARMS
Lloyd P. Gaugler, Elysburg, Pa.
Application January 7, 1947, Serial No. 720,511
1 Claim. (Cl. 42—70)



In combination in a gun, a frame having a rearwardly extending tang, a shell loading and ejecting mechanism, a firing mechanism, means for locking said mechanisms against inadvertent operation, means for actuating said locking means comprising a bracket carried by said frame, a lever pivoted to said bracket intermediate the ends of said lever and adapted to operatively engage said locking means, the upper end of said lever having a longitudinal slot, a finger piece adapted to slide upon the upper surface of said tang, said finger piece provided with laterally spaced depending ears having transversely aligned holes, a pin engaging said slot in said lever and said holes in said ears and extending outwardly beyond said ears, the diameter of said pin relative to the width of said slot being such that there is no lost motion transversely of the axis of said lever during relative movement of the finger piece longitudinally of the axis of said lever, and a spring on the underside of said tang, said spring having bifurcated ends adapted to straddle said ears and to engage said pin to resiliently urge said finger piece against the upper side of said tang.

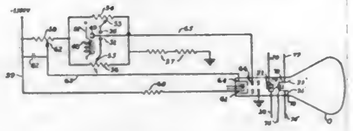
2,455,991
DESK OF PACKING-CASE CONSTRUCTION
Edwin R. Goldfield and Ralph C. Schiring, University Heights, Ohio, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 8, 1947, Serial No. 733,358
5 Claims. (Cl. 45—69)

5. In combination, two packing cases, each case having a pair of parallel skid rails secured to one end thereof, said rails being inclined in the same general direction, a cross-bar connecting each said pair of rails, a third packing case having generally parallel wide flat sides, and two lips



secured in alinement to one of said sides and adapted to hook over the crossbar of said first named cases.

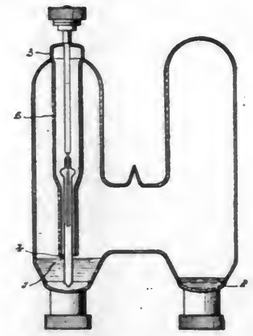
2,455,992
CATHODE-RAY TUBE AMUSEMENT DEVICE
Thomas T. Goldsmith, Jr., Cedar Grove, and Estle Ray Mann, Upper Montclair, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application January 25, 1947, Serial No. 724,444
6 Claims. (Cl. 315—26)



1. In a device of the character described, an electrical circuit comprising a cathode-ray tube, adjustable means including a sawtooth wave voltage generator, a pair of adjustable resistors between the output of said generator and ground to cause the beam of said tube to sweep from a fixed point along different paths along the face of said tube and means to cause said beam to become defocussed at different positions of its sweep by the output from said voltage generator.

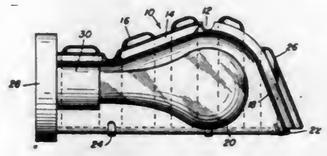
2,455,993
DISCHARGE TUBE
Theodorus Hagenberg, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 14, 1947, Serial No. 728,496
In the Netherlands July 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 8, 1964
3 Claims. (Cl. 250—27.5)

1. An electric discharge device comprising a mercury cathode having a surface level subject to variations, an ignition electrode to initiate an electric discharge through said device from said cathode and having a portion immersed therein, and an insulating member surrounding said ignition electrode without the interposition of another electrode and having a lower edge portion near the surface of said mercury cathode, said lower edge portion being in contact with the cathode at a predetermined surface level thereof to prevent initiation of a discharge by said igni-



tion electrode at cathode surface levels above said predetermined level.

2,455,994
LAMP SHADE
Robert A. Hanlin, Logansport, Ind.
Application July 18, 1947, Serial No. 761,806
3 Claims. (Cl. 240—110)

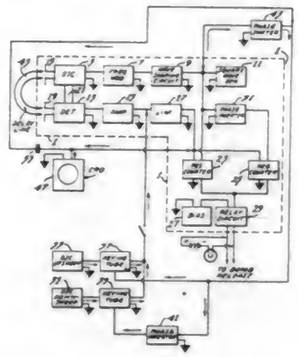


1. A lamp shade comprising a cover of heat insulating material, said cover having externally criss-crossed hollow ribs providing air chambers within said cover, air vents provided in said chambers, an inner lining for said cover, and means for securing said inner lining to said cover.

2,455,995
PRODUCTION OF NITRILES FROM CERTAIN OLEFINS AND HCN
Charles R. Harris, Lockport, and Wilbur W. De Atley, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 5, 1947, Serial No. 759,300
17 Claims. (Cl. 260—465.3)

1. Process for the production of nitriles which comprises reacting a compound from the group consisting of hydrocarbons containing not more than 10 carbon atoms and having an aliphatic chain containing one double bond, said double bond linking a tertiary carbon atom to another carbon atom and hydrocarbons containing 3 to 6 carbon atoms and having one double bond said bond linking a secondary carbon atom to another carbon atom with hydrogen cyanide in the vapor phase in the presence of a non-metallic catalyst selected from the group consisting of activated alumina, silica, titania, magnesium silicate and mixtures thereof at 250–500° C. under substantially atmospheric pressure.

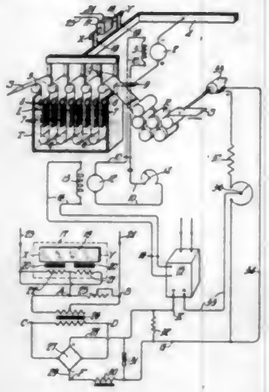
2,455,996
FREQUENCY MODULATED RADIO TESTING SYSTEM
Robert L. Harvey, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 15, 1945, Serial No. 635,337
3 Claims. (Cl. 343—5)



1. Apparatus for testing the operation of a radio bomb release system of the type including a radio transmitter, a source of modulation signals, a frequency modulator connected to said transmitter and responsive, with substantial lag, to said modulation signals to vary the frequency of said transmitter, a radio receiver responsive to the output of said transmitter as transmitted and as received after reflection by a selected target to provide beat frequency signals, and two differential beat frequency responsive means alternately operable, with substantially no lag, in response to said modulation signals, said apparatus including a pair of oscillators adjustable in frequency to simulate respectively beat signals which occur during increase and decrease respectively of the frequency of said transmitter in the normal operation of said bomb release system, keying circuits for alternately connecting said oscillators to said beat frequency responsive means, and means for applying said modulation signals to said keying circuits, said last-mentioned means including a phase shifter adjustable to provide a lag in said keying substantially equal to said lag in the response of said modulator to said modulation signals.

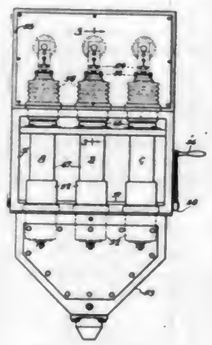
2,455,997
CURRENT REGULATING SYSTEM
Robert W. Holman, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application January 24, 1944, Serial No. 519,517
3 Claims. (Cl. 322—36)

1. A system for regulating the current output of a generator connected to a load including, in combination, a first circuit including a bus bar connected to the generator for conveying the direct current generated thereby to the load, a second electric circuit including a saturable reactor wherein the bus bar constitutes one side thereof with alternating current windings constituting the other side of the same, a source of alternating current supply for said windings, said windings being connected so that no alternating current will be generated in the direct current bus bar when alternating current is supplied to said windings whereby a voltage will be obtained in said second circuit proportional to the current in said first circuit and said bus bar, a resistor connected in series with said windings, means for multiplying the voltage drop occurring across said resistor, means for rectifying



said multiplied voltage, means for obtaining a voltage in said second circuit proportional to that required by the load and in opposition to said multiplied voltage, and means responsive to the direction of current flow in said second circuit for varying the output of said generator.

2,455,998
ELECTRICAL LOAD BREAKING DEVICE
Peder B. Hoye, Maywood, Ill., assignor to Electrical Engineers Equipment Co., Melrose Park, Ill., a corporation of Illinois
Application December 20, 1943, Serial No. 514,944
25 Claims. (Cl. 200—146)

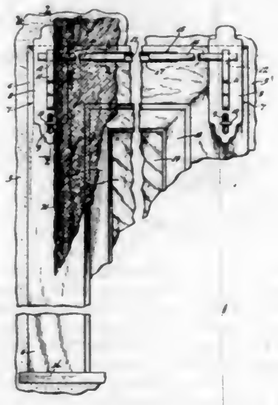


19. In switching apparatus of the class described, the combination of a pair of cooperating main contacts capable of relative movement into and out of engagement with each other, a readily removable interrupter unit adapted to be associated with said main contacts, said interrupter unit comprising a pair of relatively separable arcing contacts and an air-break type of arc extinguishing chamber through which at least one of said arcing contacts is adapted to travel for extinguishing the arc drawn between said arcing contacts in such relative separation, said chamber comprising throat means constructed and arranged to direct the gaseous products of the arc diagonally inwardly into the path of the arc, said arcing contacts being electrically connected with said main contacts, means operative during the switch opening operation for causing said arcing contacts to remain in engagement until after said main contacts have separated and for thereafter causing said arcing contacts to separate so as to draw the arc therebetween, and readily releasable holding means normally holding said interrupter unit in said switching apparatus but capable of being released by a switch stick from a relatively remote point without opening said main contacts nor disconnecting them from the line.

2,455,999
METHOD OF PREPARING ORGANOSILICONES
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application August 1, 1944, Serial No. 547,641
13 Claims. (Cl. 260—448.2)

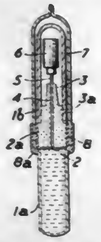
1. The method of converting high molecular weight polymers of dimethyl silicone to low molecular weight polymers thereof, which comprises heating them in the substantial absence of oxygen under conditions equivalent to a temperature of about 275° C. and above, and a pressure of one atmosphere and collecting the vaporous products.

2,456,000
CURTAIN ROD SUPPORT
Joseph Irling, Chicago, Ill.
Application September 19, 1944, Serial No. 554,775
2 Claims. (Cl. 248—261)



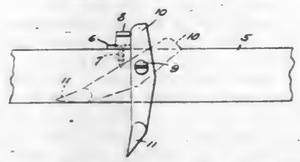
1. In a device of the character described bracket means provided with lip portions adapted to engage slidably and removably a tongue portion of the top edge of a window casing, and further provided with vertical extensions having open recesses with semi-circular bottom portions, and curtain rod support means cradled within the said open recesses, the said curtain rod support means comprising, a central tubular element, and two rod elements adjustably and frictionally secured to the said tubular element.

2,456,001
HYPODERMIC AMPOULE SYRINGE
George Emrys Jones, Weston-super-Mare, England
Application January 9, 1946, Serial No. 640,027
In Great Britain January 9, 1945
7 Claims. (Cl. 128—215)



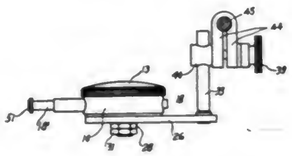
1. A hypodermic ampoule syringe construction, comprising an elongated integral one-piece sealed envelope, said envelope being of two different diameters with an annular shoulder between them, a separate fluid outlet nozzle having an inlet side and an outlet side and a bore through which fluid is adapted to pass from said inlet side to said outlet side, said nozzle fitting within the larger diameter portion of said envelope with its inlet side resting against said shoulder, and thereby dividing said envelope into a compartment of larger diameter and a compartment of smaller diameter, the compartment of smaller diameter forming a collapsible container for the fluid to be ejected and the compartment of the larger diameter forming a hermetically sealed enclosure for the outlet side of said nozzle, and a separate clamping sleeve surrounding said envelope and clamping the same around said nozzle the envelope being adapted to be ruptured to expose the outlet side of said nozzle.

2,456,002
SKI BRAKE
Charles Jonette, Dawson City, Yukon, Canada
Application November 8, 1946, Serial No. 708,655
1 Claim. (Cl. 280—11.13)



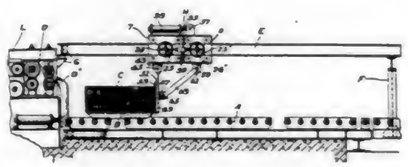
A device for preventing the backward movement of skis embodying a flat one piece base plate fixedly secured to the top of a ski and laid flatwise thereon, the ends of the base plate being laterally extended beyond the sides of the ski whereby one edge of each end will constitute a stop, flat blade members pivotally mounted on the sides of the ski and disposed flatwise of said sides, the lower ends of the blade members overbalancing the upper ends, the upper ends of the blade members extending above the top of the ski for edgewise engagement between the stops and blade members when the blade members are swung in one direction, and wide blades rigid with the lower ends of the blade members and disposed in plane perpendicular to the planes of the blade members, the blades having straight sharp lower edges for engagement with a supporting surface.

2,456,003
UNIVERSAL INDICATOR SUPPORT
Lester T. Knutson, Minneapolis, Minn.
Application May 30, 1945, Serial No. 596,769
4 Claims. (Cl. 248—124)



1. In combination with an indicator having a casing and a plunger with a head thereon adapted to contact a rotating surface whereby the indicator will reveal irregularities of said surface, a plate member, means rigidly connected with the plate member for supporting both said plate member and the indicator, and means for rotatably mounting the indicator on a lateral surface of said plate member.

2,456,004
APPARATUS FOR HANDLING METAL SHEETS
Charles A. Larkin, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application July 18, 1946, Serial No. 684,400
5 Claims. (Cl. 214—6)



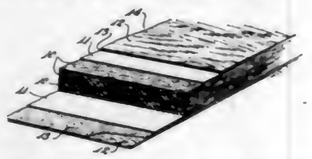
1. A sheet stop for piling steel sheets delivered onto a piling conveyor from a sheet processing line, which comprises, in combination, a piling conveyor, a beam mounted over the conveyor in axial parallelism therewith, carriage instrumentalities on the said beam comprising independently movable sections adapted to be moved into and away from engagement with each other, means for locking the sections together responsively to movement thereof into mutually engaging position, sheet stop instrumentalities suspended from the forward section of said carriage instrumentalities comprising a backing plate, an abutment plate carried by the backing plate adapted to be impacted by sheets delivered onto the conveyor by the processing line and to pile the said sheets, pivotally connected toggle arms extending between and connecting said backing plate with the rearward section of said carriage instrumentalities, and a resilient shock absorbing cushion intermediate the abutment plate and backing plate, the said toggle arms comprising lifting instrumentalities responsive to separating movement between the independently movable sections for lifting the sheet stop instrumentalities for providing clearance for the piled sheets responsively to separating movement between the carriage sections.

2,456,005
AIRCRAFT STRUCTURAL MATERIAL AND METHOD OF MAKING THE SAME
John C. MacKinnon, Wellesley, and Walter R. Hickler, Winthrop, Mass., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 27, 1943, Serial No. 504,016
7 Claims. (Cl. 154—132)



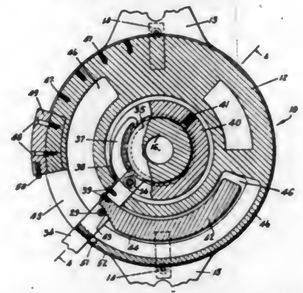
3. A heat-molded composite product comprising a core section including at least one ply of wood veneer material and a plurality of tenuous fiber plies each comprising unwoven cotton fibers arranged in parallel relationship and in such tenuity as to constitute an unimpregnated fibrous sheet weighing not more than about one ounce per square yard, the wood veneer ply being interposed between plies of the tenuous fiber webs; a surface layer comprising a sheet of wood veneer material of the order of .01 inch thick; and a monolithic mass of heat-molded resin bonding the fibers and wood into a unitary integral structure, the resin mass permeating and enveloping completely all the several plies comprising the core section but extending only partially into the structure of the wood veneer surface layer, the outer exposed face of the wood veneer being free of the resin, the unwoven fiber webs being present in sufficient quantity to impart to the composite structure tensile strength in the aggregate at least substantially equalling that imparted by the wood veneer material in the aggregate.

2,456,006
METHOD OF MANUFACTURING A RESIN-BONDED COMPOSITE PRODUCT
Walter R. Hickler, Winthrop, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 27, 1943, Serial No. 504,017
4 Claims. (Cl. 154—132)



1. A method of manufacturing a resin-bonded composite product having a surface free of resin which comprises arranging in superposed relation a core member comprising a slow-curing thermo-setting resin in a flowable unset state, an intermediate dam member comprising a fast-curing thermo-setting resin in a flowable unset state, and a surface member comprising material normally penetrable by such flowable unset resins under high pressures, the exposed face of the said surface member being free of resin, subjecting the assembly as a unit and while both said resins are still in a flowable unset state to relatively low pressure sufficient partially to compact it but not sufficient to force the resin through the normally penetrable surface member, maintaining the low pressure and heating the assembly as a unit until the fast-curing resin has substantially set, then while the slow-curing resin is still in a flowable unset state substantially increasing the pressure further to compact the assembly and heating until the slow-curing resin has substantially set, the intermediate dam of fast-cured resin serving to block flow of resin through the normally penetrable surface layer when the pressure is increased.

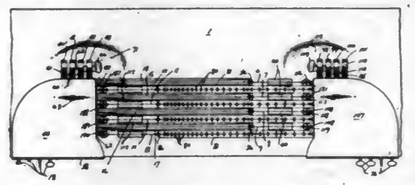
2,456,007
INDEX HEAD
Newman M. Marsilius, Trumbull, Conn.
Application August 24, 1945, Serial No. 612,509
1 Claim. (Cl. 90—57)



In an indexing device, a base including an inner hub-like portion and an outer annular wall-like portion extending beyond each end of said hub-like portion, a head including a central post passing through said hub-like portion of the base and a top plate having bearing on an outer end of said annular wall, an annular portion on the inner side of said plate and located at the inner side of said annular wall, said annular portion having a series of sockets therein, a locking bolt movable radially through said annular wall, a spring normally urging said locking bolt toward one of said sockets to lock the base and head together on entrance of the bolt into a socket, a ratchet wheel within said base and rigid with the inner end of said post, a lever movable about an inner portion of said post as a pivot, a pawl carried by said lever within said head and adapted to ride over the teeth of the ratchet wheel on movement of the lever from normal position and to engage a tooth of the wheel and impart turning movement to the head as the lever is moved to normal position, an elongated longitudinally curved cam within said base and rigid at one of its ends with an intermediate portion of said lever, said cam adapted to shift said locking bolt to released position and maintain it there while the lever is moved from normal position and said pawl is riding over the teeth of said ratchet wheel and during return movement of the lever while said pawl is engaged with a tooth of the ratchet wheel and said head is being turned on said base, and said cam adapted to release said locking bolt for movement into one of said sockets when the lever is returned to normal position.

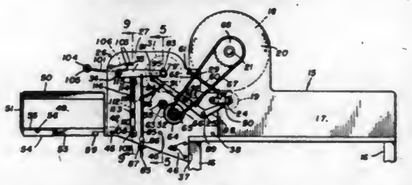
2,456,008
MUSICAL INSTRUMENT
John W. McBride, Burbank, Calif.
Original application May 29, 1942, Serial No. 444,963. Divided and this application December 3, 1945, Serial No. 632,410
26 Claims. (Cl. 84—320)

1. In a musical instrument, one or more tensioned strings, and means for vibrating said string or strings, comprising a rotary member, one or more string engaging rods operated by rotation of said member, means guiding the movement of the rods in a substantially longitudinal direction, and means for shifting said rotary



member to various positions to selectively determine the rods operated thereby during its rotation.

2,456,009
FRICTION-ROTARY BLOTTING DEVICE FOR DUPLICATING MACHINES
Jack S. McLane, Columbia, S. C.
Application April 8, 1947, Serial No. 740,080
6 Claims. (Cl. 101—416)

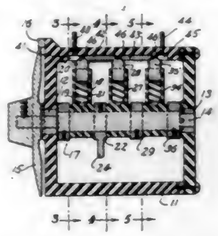


1. A blotting and drying attachment for duplicating machines having a printing drum suitably driven and an impression roller coacting therewith, means coacting between the drum and impression roller to cause raising and lowering of the impression roller to engage the drum and printing surface or to move downwardly away from the same when the sheets are fed forwardly and upwardly against the sheet for impressing the same, comprising levers swingably supporting said impression roller, a blotting and drying roller, a yoke movably supporting said blotting and drying roller to be raised and lowered, a pressure roller beneath the blotting and drying roller, means for driving said pressure roller from the drum, lever actuated means between the levers of the impression roller and the arms of the yoke to raise the blotting and drying roller when the impression roller is down and to permit lowering thereof when the impression roller is engaged with a sheet against the drum during the printing of a sheet, means normally holding the blotting and drying roller toward the pressure roller, means for guiding the sheets from between said latter rollers, a receiving tray for the sheets, and means for holding the blotting and drying roller elevated.

2,456,010
PERMUTATION IGNITION SWITCH
Gustav F. Miller, Tacoma, Wash.
Application October 25, 1946, Serial No. 705,753
5 Claims. (Cl. 200—43)

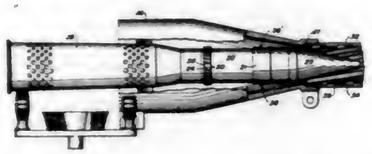
5. A switch device comprising a cylindrical housing, a shaft concentrically journaled in said housing, a first brush-carrying arm freely rotatable on said shaft, a brush carried by said arm contacting the inner surface of said housing, a first pair of angularly-spaced driving arms for said first brush-carrying arm rigidly secured to said shaft, a second brush-carrying arm freely rotatable on said shaft, a brush carried by said

second arm contacting the inner surface of said housing, a second pair of angularly-spaced driving arms for said second brush member rigidly secured to said shaft, a third brush member freely rotatable on said shaft, a brush carried by said third brush-carrying arm contacting the inner surface of said housing, a third pair of angularly-spaced driving arms for said third brush-carrying arm rigidly secured to said shaft, the angular space between said first pair of driving arms including said first brush-carrying arm being greater than the corresponding angular space between said second pair of driving arms and the



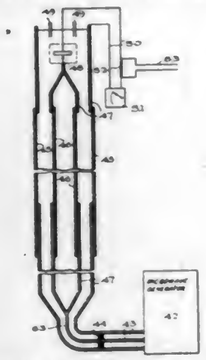
angular space between said second pair of driving arms including said second brush-carrying arm being greater than the corresponding space between said third pair of driving arms, whereby said first, second and third brush-carrying arms are successively brought to predetermined position within said housing, axially aligned contact members carried by said housing and engageable by said brushes to complete an electrical circuit through said switch when said brushes are in a predetermined position in said housing, and a graduated dial fixed on one end of said shaft for rotating said shaft.

2,456,011
APPARATUS FOR ALIGNING PREENGRAVED PROJECTILES IN RIFLED FIREARMS
Clarence Walton Musser, Philadelphia, Pa.
Application July 17, 1945, Serial No. 605,614
10 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. In combination, a rifled cylindrical member and a tube having a rifled bore adapted so as to enable the respective riflings to become registered one with the other when the cylindrical member is inserted into the tube, and resilient means separate and independent of the teeth and grooves of both the said rifled member and rifled tube adapted to cooperate therewith by yielding so as not to cause interference when said member is moved axially within and relative to said tube, but capable of functioning as an indexing device to cause meshing register between riflings of cylindrical member and the riflings of the tube when said member is axially inserted into the tube.

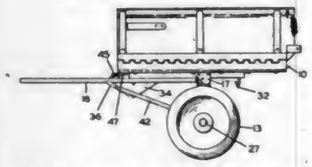
2,456,012
METHOD OF AND APPARATUS FOR MEASURING THE ELECTRICAL PROPERTIES AND SURFACE CHARACTERISTICS OF MATERIALS
Morris Muskat, Oakmont, and Norman D. Coggeshall, O'Hara Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application December 21, 1944, Serial No. 569,224
2 Claims. (Cl. 175—183)



1. A method of inspecting the outside surface of a cylindrical body comprising surrounding it with a larger substantially concentric hollow cylinder, generating microwave energy and launching it in the space between the cylindrical surfaces, transmitting microwave energy via a selected portion of said cylindrical surfaces, receiving microwave energy from the space between the cylindrical surfaces, measuring a characteristic value of the received energy and varying the portion of the cylindrical surfaces selected for transmission.

2. Apparatus for inspecting the outside surface of a cylindrical body comprising a larger hollow cylinder, means for maintaining the body inside said hollow cylinder, a microwave generator, means for connecting said generator in energy-transmitting relationship to the space between said cylinders, a microwave receiver, means for connecting said receiver in energy-receiving relationship to the space between said cylinders, means for measuring a characteristic value of the received energy and means for moving the body with respect to said energy-transmitting and said energy-receiving connecting means.

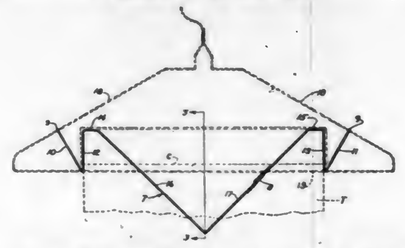
2,456,013
COLLAPSIBLE TRAILER
Adelbert M. Nelson, deceased, late of Milwaukee, Wis., by Minnie Witt, executrix, Milwaukee, Wis.
Application September 27, 1946, Serial No. 699,809
5 Claims. (Cl. 280—36)



1. A device of the character described comprising in combination, a body, said body having

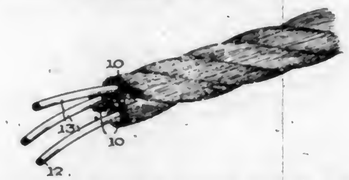
floor boards and side boards hingedly attached in a manner to permit the side boards to be folded against said floor boards, an axle extending transversely across said body, said axle provided with wheel support members hingedly attached to each of its ends, a pair of wheels, locking means attached to said axle for retaining said wheel supports in either a vertical or horizontal position, a rectangular frame, said frame slidably attached to the bottom of said body, a spring, said spring attached to said axle, a draw bar, said draw bar attached to said rectangular frame, said axle and spring hingedly attached to said body, means for adjusting said wheels from a vertical to a horizontal position, and means for adjusting said axle and spring assembly from a vertical to a horizontal position.

2,456,014
TROUSER HANGER
Ernest J. Neaves, Boston, Mass.
Application November 7, 1947, Serial No. 784,588
2 Claims. (Cl. 223—88)



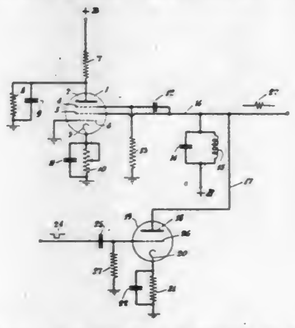
1. A unitary trouser hanger formed of wire and including spaced opposed sides, each side including an intermediate generally V-shaped portion and arms carried by the ends of the V-shaped portion, the arms having shoulders at their tops, the arms being adapted for insertion within a cuff of trousers, and inverted substantially U-shaped loops connecting the lower ends of the arms of one side with the lower ends of the arms of the companion side, the U-shaped loops being adapted to be mounted upon the shoulders of a coat hanger.

2,456,015
ELECTRICAL CONDUCTOR
Keith L. Orser, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application August 1, 1944, Serial No. 547,590
2 Claims. (Cl. 174—69)



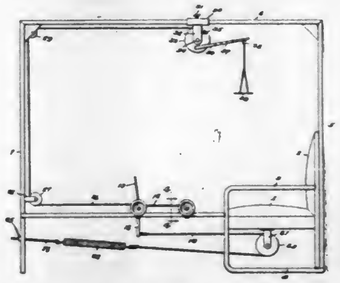
1. A stranded rope structure, each strand being composed of a plurality of spirally arranged load carrying elements of twisted filaments of stretchable non-metallic material, certain of said strands having an electrical conductor element embedded therein having a core constituted of twisted filaments forming one of said load carrying elements, electrical conducting wire arranged spirally around said core and an elastic non-conductive covering encasing said wire, the twisted filaments forming the core of said conductor elements having elongation and recovery characteristics substantially corresponding to the elongation and recovery characteristics of the twisted filaments forming other load carrying elements of the strands in which said conductor elements are embedded.

2,456,016
KEYED OSCILLATOR
Robert P. Owen, Passaic, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application September 16, 1944, Serial No. 554,382
4 Claims. (Cl. 250—36)



1. A device for producing bursts of electrical oscillations, which comprises a pentode that has its control grid grounded and its cathode connected to ground through a resistor, a condenser and inductance in parallel connected between a source of positive potential and the screen grid of said pentode, a resistor between the suppressor grid of said pentode and ground and a condenser between the screen grid and suppressor grid of said pentode to cause said pentode to oscillate when positive potential is applied to its plate, a triode adapted to be blocked when a pulse of negative potential is applied to its control grid, the plate of said triode being connected directly to said screen grid and its cathode connected to ground through a resistor.

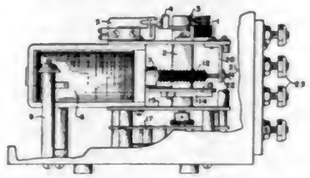
2,456,017
POLIO EXERCISING MACHINE
Marion A. Park, St. Louis, Mo.
Application September 8, 1947, Serial No. 772,753
6 Claims. (Cl. 272—79)



2. In an exercising appliance including a chair for a patient, a rigid rail frame, and an overhead frame, the combination with a wheeled foot-

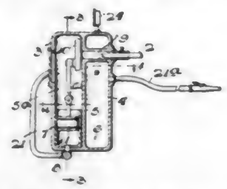
pressed truck reciprocably mounted on the rail frame, and resilient means for returning the truck toward the chair, of a vertically reciprocable hand-exerciser mounted in the overhead frame for arms and shoulders, and operative connections from the reciprocating truck for actuating the overhead exerciser.

2,456,018
TIMING DEVICE
Edward S. Peterson, Elmwood Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 26, 1944, Serial No. 542,178
1 Claim. (Cl. 200—97)



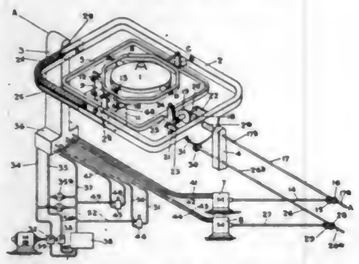
In a timing mechanism, the combination of a solenoid having a plunger, an adjustable stop for providing an outward plunger movement of desired length, means for energizing and deenergizing said solenoid at certain intervals, a switch for controlling an electric circuit or circuits, a gear train, a spring, rotatable means, said plunger drawn into said solenoid by the energization of said solenoid for causing one operation of said rotatable means to tension said spring, said tensioned spring responsive to the deenergization of said solenoid causing another operation of said rotatable means to move said plunger outwardly to said stop, means for coupling said gear train with said plunger only when said plunger is moved outwardly to delay said plunger reaching said stop for a definite period of time, the arresting of said outward movement of said plunger causing the operation of said switch providing that said plunger reaches said stop before said solenoid is again energized and again attracts said plunger, the re-attraction of said plunger before said plunger reaches said stop preventing the operation of said switch, causing said coupling means to be temporarily disconnected from said gear train, and causing said rotatable means to retension said spring.

2,456,019
MOTOR ATTACHMENT FOR TRACTORS
John J. Pettipiece, Powell, Wyo.
Application February 12, 1947, Serial No. 728,116
2 Claims. (Cl. 103—218)



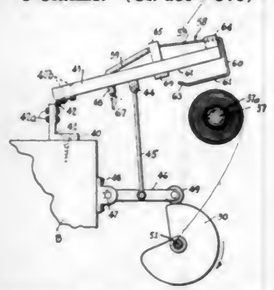
1. A unitary apparatus for attachment to, and use with a tractor having a power take-off shaft, which apparatus comprises a casing, a pump chamber and a compression chamber in the casing, a pump in said pump chamber, a pump shaft in said casing and for operating said pump, detachable means for drivingly connecting the pump shaft directly to the power take-off shaft, passage means connected with the pump chamber and leading from the pump chamber to the compression chamber to supply liquid under pressure to said compression chamber, and a hose connected to the compression chamber to distribute the liquid.

2,456,020
GYROSCOPE PRECESSOR AND FOLLOW-UP
Edward J. Poitras, Pasadena, Calif., and James D. Tear, Great Neck, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Continuation of application Serial No. 35,682, August 10, 1935. This application April 11, 1939, Serial No. 267,248
15 Claims. (Cl. 74—5)



1. In a gyroscope precessing and following mechanism, a gyroscope, a pivotally mounted support therefore having a piston compartment thereon and ports in the walls thereof, a compound differential piston slidably mounted in said compartment in control of said ports and connected to said gyroscope, a source of liquid under constant pressure acting on one end of the piston, a source of liquid under variable pressure acting on the other end of the piston, and means for varying the pressure of said last mentioned source of liquid to vary the precessing force on the gyroscope.

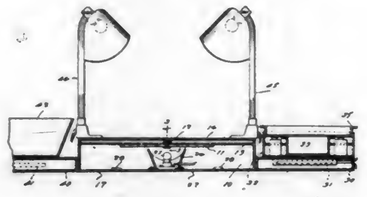
2,456,021
STOP MOTION MECHANISM FOR NARROW FABRIC LOOMS
Willis Pruitt, Attalla, Ala., assignor to Lawrence Products Co., Attalla, Ala., a firm
Application August 31, 1946, Serial No. 694,366
8 Claims. (Cl. 139—370)



1. Stop-motion for a narrow fabric loom having a magnetic starter provided with a relay including a transformer, comprising a member upon which weft thread may be wound, said member being carried by the usual shuttle and

being adapted to make an electrical contact, an electrical insulating plate, means hingedly connecting said plate to the usual loom breast beam, a pair of electrical contact members carried by said plate and adapted for engagement with said member, a cam lever, means hingedly connecting said lever to said breast beam, a rod pivotally connected to said plate and being attached to said lever, a shaft, a sprocket wheel mounted on said shaft, a sprocket wheel mounted on the usual loom crank shaft, a sprocket chain in engagement with said sprocket wheels, a cam on said first-mentioned shaft engaging said cam lever, said contact members being adapted to intermittently engage weft thread wound upon said member and to electrically contact with said member before the weft thread on said member is exhausted, electrical conductors connecting one terminal of the low voltage side of said transformer to said relay, the other terminal of said low voltage side to one contact of said pair of electrical contacts, and the other contact of said pair of electrical contacts to said relay.

2,456,022
MANICURE APPARATUS
Noreen C. Rebo, Gorin, Mo.
Application March 18, 1947, Serial No. 735,521
2 Claims. (Cl. 132—73)



1. A finger nail manicuring stand comprising a horizontal base to rest upon a support, said base comprising an upper plate and a lower plate, said plates being vertically spaced and formed near one edge with vertically registered openings, a light source on said base beneath said lower plate arranged for directing light upwardly through said registered openings, and a rotatable masking disk mounted on and beneath said lower plate, the edge of said masking disk projecting beyond an edge of said upper plate to facilitate rotation of said masking disk from a position above said upper plate, said masking disk being formed with a plurality of circumferentially spaced openings arranged to be selectively registered with said openings in the upper and lower plates by rotating said masking disk.

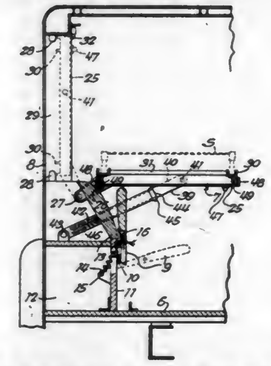
2,456,023
TENNIS RACKET
Isaac Lee Rosenbalm, Inglewood, Calif.
Application February 14, 1947, Serial No. 728,647
3 Claims. (Cl. 273—73)

1. A tennis racket having its loop portion formed of tubular material with spaced openings around the inner side thereof, and means for anchoring strings thereto, said means including a series of heads with holes therethrough, each head having a neck portion inserted through one of said openings in the inner face of said tubular loop, strings threaded through said heads across said loop portion, said neck portions each having a hole therethrough, within the tubular loop, and an anchoring wire threaded through said neck



portions within said tubular loop to yieldingly anchor said anchoring means.

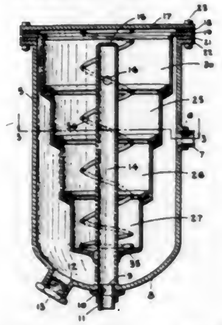
2,456,024
FOLDABLE STRETCHER CARRIER FOR AMBULANCES
Earl L. Schofield, Rockford, Ill., assignor to E. L. Schofield, Incorporated, Rockford, Ill., a corporation of Delaware
Application March 5, 1945, Serial No. 581,003
6 Claims. (Cl. 296—19)



1. In an ambulance, comprising a body having substantially vertical side walls and a floor, a stretcher support comprising an elongated frame extending longitudinally with respect to the body for support of a stretcher, means for pivotally supporting said frame on one longitudinal edge portion thereof on the adjacent side wall for swinging movement upwardly from a substantially horizontal operative position to a substantially vertical retracted position alongside said wall, said pivoting means being so arranged with respect to said frame and side wall that the frame swings past a dead-center position in moving upwardly toward its retracted position, whereby said frame tends to gravitate toward said side wall when in retracted position, means for releasably securing said frame in retracted position, and means for supporting said frame in horizontal operative position, said means comprising telescoping members, one of which is pivoted to the frame radially outwardly from the pivotal axis of said frame on said side wall and the other of which is pivoted on said side wall below said pivotal axis, and a coiled compression spring means arranged to be compressed in the con-

tracting movement of said telescoping members and arranged to expand throughout the extending movement of said telescoping members, whereby said spring means in at least the last portion of the lowering of the frame counterbalances the weight thereof and in at least the first portion of the raising of the frame assists such operation.

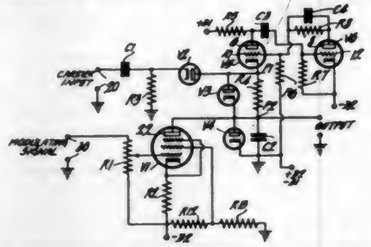
2,456,025
MECHANICAL FILTER
Emmett Seifert, San Gabriel, Calif.
Application May 10, 1946, Serial No. 668,655
6 Claims. (Cl. 210—165)



5. A mechanical filter for oil or other liquid under pressure comprising a closed vertical casing provided with an oil inlet below its upper end and a filtered oil outlet in its bottom, an axial downflow tube having its lower end connected to said outlet, said downflow tube being closed at its upper end and provided with a port located above the level of said oil inlet, a plurality of telescoped stripping sleeves concentrically surrounding said downflow tube, the innermost sleeve having a closed bottom apertured to slidably fit said downflow tube and the outermost sleeve being fixed to the upper part of said casing, at least one intermediate sleeve having an inwardly projecting annular stripping flange on the lower end thereof having a stripping surface slidably fitting the exterior of said innermost sleeve and an outwardly projecting annular stripping flange on its upper end having a stripping surface slidably fitting the interior of a next outer sleeve, with the upper stripping flange of one intermediate sleeve slidably fitting the interior of said outermost sleeve above the lower inwardly projecting stripping flange thereof, the entrance of the oil under pressure into said sleeves acting to force said innermost and intermediate sleeves upwardly so as to further telescope the sleeves, means for limiting the upward telescoping travel of the sleeves relative to each other and to said outermost sleeve, said stripping surfaces being formed with annular oil grooves for increasing the stripping action of said surfaces upon oil passing upwardly between said surfaces and the interior of the next outer sleeve.

2,456,026
MODULATOR EMPLOYING TRIGGER CIRCUIT
Eugene R. Shenk, Brooklyn, and Anthony Liguori, New York, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application June 14, 1947, Serial No. 754,758
14 Claims. (Cl. 179—171.5)

1. In a signalling apparatus, a trigger circuit comprising two tubes having electrodes and connections such that the circuit has one condition of stability to which it returns at a predetermined time interval after it is tripped therefrom, a capacitor, a discharging path for the capacitor including the impedance between the electrodes of



one of said tubes, a charging path for said capacitor including a source of continuous unidirectional current, connections to said trigger circuit for tripping the same from said one condition of stability at a recurring rate and an output circuit coupled to said capacitor.

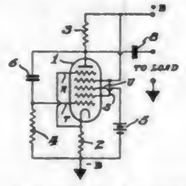
2,456,027
METHOD OF MAKING FLUOROCARBONS
Joseph H. Simons, State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application April 1, 1944, Serial No. 529,182
4 Claims. (Cl. 260—648)

1. A process for the production of fluorocarbons which comprises heating carbon to a temperature of from 200° C. to 600° C. in an atmosphere of fluorine and in the presence of at least one material from the group consisting of the fluorides of mercury, antimony, aluminum and iron, serving as a catalyst to cause smooth non-explosive reaction between the carbon and the fluorine within said temperature range.

2,456,028
FLUOROCARBON COMPOUND
Joseph H. Simons, State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application December 3, 1947, Serial No. 789,553
1 Claim. (Cl. 260—648)

The alicyclic fluorocarbon compound C_5F_{10}, having five carbon atoms in the ring.

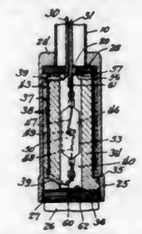
2,456,029
THERMIONIC TUBE CIRCUITS
Richard L. Snyder, Jr., Glassboro, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1942, Serial No. 452,820
14 Claims. (Cl. 250—36)



2. An oscillator including a thermionic tube having a cathode, an anode, a screen electrode,

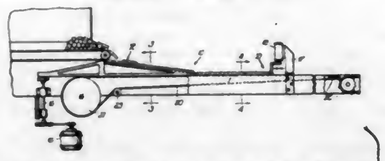
and a plurality of control electrodes, a source of anode potential positive with respect to said cathode, means connecting said positive anode potential to said anode and said screen, a source of bias potential positive with respect to said cathode, a cathode resistor, means including said resistor connecting said cathode to a point of reference potential, means connecting the first of said control electrodes to said point of reference potential, means for applying said positive bias potential to a second one of said control electrodes, reactive feedback means, and means connecting said feedback means between at least one of said control electrodes and at least one of said electrodes connected to said positive anode potential means.

2,456,030
ELECTRIC SOLDERING IRON
Carl B. Sohns, Grafton, Wis.
Application December 5, 1945, Serial No. 632,925
2 Claims. (Cl. 219—26)



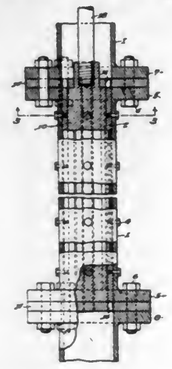
1. An electric soldering iron comprising, in combination, support means, a handle at one end thereof adapted to be gripped manually, a soldering tip at the other end, a generally cylindrical heating element carried by said support means in heat conducting relation to said tip, automatic temperature control means disposed within said cylindrical heating element in such position as to be affected directly by the heat of said tip and arranged to control the energization of said heating element so as to maintain the tip substantially at a predetermined temperature, and means for resiliently mounting said automatic temperature control means within said heating element whereby said control means is substantially unaffected by shock resulting from rough handling of the soldering iron.

2,456,031
ARTICLE ARRANGING AND ADVANCING CONVEYER MECHANISM
William P. Spain, Villa Park, Ill., assignor to E. J. Brach & Sons, Chicago, Ill., a corporation of Illinois
Application April 10, 1946, Serial No. 661,155
6 Claims. (Cl. 198—30)



6. In a device for arranging and advancing a plurality of edible units in spaced apart rows comprising a frame having a plurality of spaced apart guide members longitudinally mounted therein, said frame having an inclined receiving end for said units between which said guide members are similarly inclined and secured, and a discharge end therefor, and means connected to said receiving end simultaneously and continuously to impart a sidewise movement and forward thrust to said units to align them in spaced apart rows between said guide members and to advance them toward said discharge end of the frame, and a conveyor disposed beneath said frame to advance said aligned units from said inclined end past the discharge end thereof, said forward thrust being applied to said units by said inclined end.

2,456,032
FUEL CONTROL DEVICE FOR SUBMERGED BURNERS
Rudolph J. Stengl and Floyd B. Bedwell, Tulsa, Okla., assignors to Ozark-Mahoning Company, a corporation of Delaware
Application July 4, 1944, Serial No. 543,470
6 Claims. (Cl. 251—84)

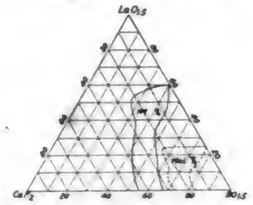


1. A fuel control device for a submerged burner adapted for interposition between the latter and an inlet pipe for conveying a combustible gaseous mixture thereto, and comprising an elongated hollow casing having circumferentially spaced internal ribs, a rotatable plug within the casing having external grooves respectively receiving said ribs and each of greater circumferential length than and of a radial width substantially equal to that of the rib received therein and lands between adjacent grooves extending to and in sliding engagement with the casing wall between the ribs, means adjacent an end of the casing and engaging the proximate ends of the ribs providing ports respectively registering with portions of the spaces between the ribs, the effective shape and area of each port substantially conforming to that portion of the adjacent groove unoccupied by the corresponding rib when the plug is at one limit of its rotative travel, and means operable from a point remote from the device for rotating the plug from said position to diminish the effective areas of said ports and spaces for the passage of the mixture to the burner.

2,456,033
FLUOBORATE GLASS
Kuan-Han Sun, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 9, 1946, Serial No. 646,681
11 Claims. (Cl. 106—47)

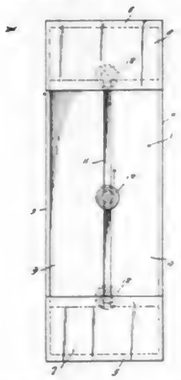
1. A glass resulting from a batch comprising

in cationic percentage boron oxide, 45 to 90 per cent; lanthanum oxide, 1 to 28 per cent; and



fluoride, 1 to 31 per cent, said glass having an n_D value greater than 2.2–0.01 ν.

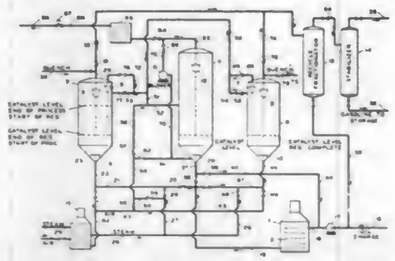
2,456,034
MOVING TARGET MACHINE
Norman Suydam, Toledo, Ohio
Application August 10, 1945, Serial No. 610,017
6 Claims. (Cl. 273—105.2)



1. In a moving target machine, a vertically positioned target run, a target movable from the bottom to the top of the machine through the target run, a conveyor, a finger on said conveyor constructed to engage the target to support it vertically and to carry it upwardly through the target run, a cam at the upward end of the target run for disengaging the target from said finger whereby the target may fall under the influence of its own weight to the bottom of the machine, and means at the bottom of the run for resetting the target for engagement with said finger.

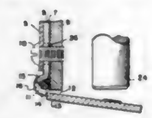
2,456,035
TREATMENT OF FLUIDS WITH COMMINUTED SOLIDS
Burle F. Wobker, Mission, Kans., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 2, 1948, Serial No. 222
11 Claims. (Cl. 196—52)

7. A process for cracking hydrocarbon oils which comprises vaporizing a hydrocarbon oil and passing same upwardly through a first turbulent mass of powdered cracking catalyst at cracking conditions of temperature, pressure and contact time, separating gaseous cracking products from said mass, continuing for a period of time until the quantity of carbonaceous material deposited on the catalyst in said mass attains a predetermined maximum, during said period introducing into said mass additional quantities of hot reactivated powdered cracking catalyst to minimize loss of catalyst activity therein, at the end of said period passing said vaporized oil in contact with a second mass of powdered cracking catalyst in the manner just described, purging hydrocarbons from the first named mass and then passing therethrough a hot oxygen-containing gas under conditions effecting reactivation of the catalyst by oxidation of carbonaceous matter therefrom, during the thus-described reactivation treatment increasing the velocity of reactivation gases to effect entrainment of a substantial proportion of the catalyst mass as a suspension of catalyst particles in hot gases, separating the thus-suspended particles from the hot



gases and accumulating same in a third mass of catalyst particles maintained in a fluidized condition by upward flow of fluidizing gases therethrough, utilizing said third mass of catalyst as the source of the aforementioned additional quantities of hot reactivated catalyst introduced into the masses of catalyst employed for cracking said oil, purging said hydrocarbons from said second mass of catalyst at the end of its cracking period, again utilizing for cracking the first said mass of catalyst which has been reactivated and reactivating the said second mass of catalyst in the manner described, and continuing the aforesaid process cyclically with each said first and second masses of catalyst being employed alternately for cracking and reactivation.

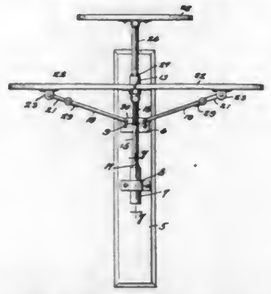
2,456,036
RELAY YOKE
Fredric E. Wood, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 23, 1945, Serial No. 630,422
3 Claims. (Cl. 175—336)



1. In an electromagnetic switching device, a core, a heel piece secured to said core, an armature having a pivot pin, means for rotatably securing said armature to said heel piece, said means including a relay yoke having a pair of semi-rounded ears at one extremity of said yoke, inner semi-rounded bearing surfaces in said ears for pivotally securing said pivot pin and said armature to said heel piece, a reinforcing section extending longitudinally between said ears to stiffen said ears and keep said bearing surfaces in alignment, said reinforcing section being out of alignment from said bearing surfaces of said ears to provide clearance between said section and the armature pivot pin, and said reinforcing

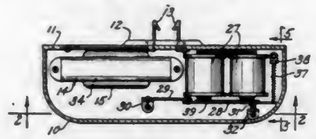
section extending laterally only part way between said ears to provide an opening therebetween for visually observing the air line between said heel piece and said armature.

2,456,037
FOLDING DINETTE TABLE
Webster F. Woods, Glendale, Calif.
Application June 12, 1947, Serial No. 754,197
1 Claim. (Cl. 311—19)



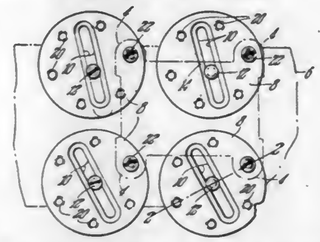
In a swinging foldable table, a supporting plate, vertical spaced upper and lower tubular bearings secured to the supporting plate, a main supporting arm, a fitting secured to one end of the main supporting arm, a bearing pin extending from the lower end of the fitting and being disposed in the upper bearing for rotary movement of the main supporting arm, a brace rod secured to the lower edge of the main supporting arm, throughout a portion of the length of the main supporting arm and having one of its ends fitted within the lower tubular bearing, table leaves hingedly connected with the opposite sides of the main supporting arm, brace arms including a metal strap secured to said supporting arm and brace rod and depending therefrom, arms pivotally connected with the strap at opposite sides thereof, and links connected with the outer ends of the latter arms, the links being connected with the table leaves, said leaves being foldable downwardly out of the way or extended to their upper positions.

2,456,038
PORTABLE FIRE ALARM DEVICE
Richard E. Young, Detroit, Mich.
Application May 29, 1947, Serial No. 751,338
1 Claim. (Cl. 177—311)



A portable, unitary alarm device for indicating a temperature above a predetermined value in the space contiguous thereto comprising a casing having a back plate and a front cover detachably secured to said back plate, a pair of fingers projecting from the back side of said plate for reception in an electrical convenience outlet to support and electrically energize said device, a transformer mounted at the front side of said plate, an electrical connection between one of said fingers and one side of the primary winding of said transformer, an adjustable thermostatic switch mounted on the front side of said plate, an electrical connection between one contact of said switch and the other side of said primary winding, an electrical connection between the other contact of said switch and the other of said fingers, an electro-magnetic vibrator mounted at the front side of said plate, and electrical connections between said vibrator and the opposite sides of the secondary winding of said transformer to operate said vibrator upon closing of said thermostatic switch.

2,456,039
SECURING DEVICE
Morris H. Abramson, Springfield, Mass.
Application September 27, 1945, Serial No. 618,936
3 Claims. (Cl. 248—23)

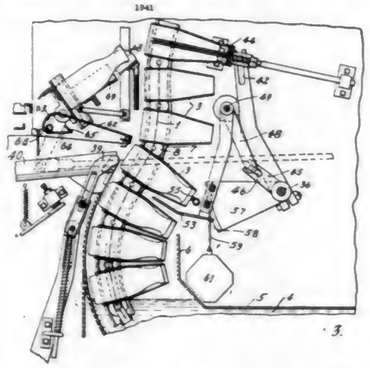


1. Means for securing a motor having separated bolt holes to a base having separated bolt holes spaced differently from those of the motor comprising, a plurality of circular plate members adapted to underlie a motor each having circumferentially spaced bolt holes adjacent marginal edges thereof for receiving bolts extending through the bolt holes of the motor, said members having elongated depressions in their upper faces terminating inwardly from opposite sides thereof and slots extending longitudinally of the depressions for receiving bolts extending upwardly from the holes of the base, the slots being of less width than the depressions forming ledges at the sides thereof for the heads of the support bolts disposed below the upper faces of said members whereby bolts in the base may underlie the motor.

2,456,040
PRERINSING APPARATUS FOR CONTAINER WASHERS
E. Roy Alling, Kenmore, and John C. Knepflar, Tonawanda, N. Y., said Knepflar assignor to Rice and Adams Corporation, Tonawanda, N. Y., a corporation of New York
Original application April 25, 1941, Serial No. 390,400. Divided and this application June 15, 1944, Serial No. 540,379
12 Claims. (Cl. 134—131)

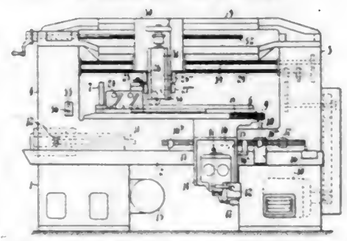
2. A washer for containers comprising a flexible conveyor moving in a selected path and having a plurality of container receiving pockets supported thereon for movement therewith in succession along said path, each of said pockets having an open end through which the container is moved into the pocket and through which they are later discharged, said conveyor in one portion of said path being guided downwardly at an inclination to both the vertical and horizontal, with the pockets in said portion inclined upwardly toward the open end, means for delivering the containers into said pockets in succession while in said portion of the path, spray means disposed adjacent the lower ends of said pockets, while in an inclined position in said portion of the path, for

directing upwardly into said pockets in succession a stream of rinsing liquid, a tank below said inclined portion and into which the conveyor descends after leaving said portion of the path, means for advancing the conveyor step by step with intervals of rest between the movements for positioning the pockets in succession in front of said spray means, a drain pan shiftable between one position beneath the lower end of a pocket aligned with said spray means in which it receives and diverts away from said tank the drip from any container in a pocket aligned with said spray means, and another position in which it clears said pockets during their advance, and a connec-



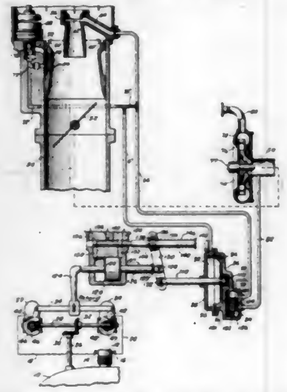
tion from said pan to said conveyor advancing means for moving said pan into said one position at the beginning of each of said rest intervals and moving it from that position to said another position at the end of that interval, and a shield disposed in alignment with the longitudinal axis of any pocket which is disposed at any time in alignment with said spray means for receiving and collecting the stream passing through a pocket with no container therein, said shield having a roof portion to intercept the stream and deflect it laterally, and another portion depending below the roof portion for collecting the deflected spray and conducting it to a drain.

2,456,041
MACHINE FOR MACHINING ARCUATE SURFACES
Edgar Barker, Toronto, Ontario, Canada
Original application November 5, 1942, Serial No. 464,615, now Patent No. 2,379,870, dated July 10, 1945. Divided and this application January 13, 1945, Serial No. 572,665
4 Claims. (Cl. 90—16)



1. A machine of the class described having a frame including an overarm; a movable table suitably mounted on the frame for carrying work; a cutter head movable longitudinally on the overarm; a rotary cutter horizontally journalled on said head; a slide vertically adjustable on said head; a rotary cutter horizontally journalled on said slide below the first cutter for movement relative thereto; a suitably driven horizontal splined shaft; a vertical shaft journalled in said head having a slidable drive connection with the splined shaft; and worm gearing between each of the cutters and the vertical shaft for driving the cutters and permitting relative movement thereof.

2,456,042
IGNITION TIMING
Guy E. Beardsley, Jr., West Hartford, and Clarence W. Laubin, Windsor, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 20, 1945, Serial No. 606,127
12 Claims. (Cl. 123—117)

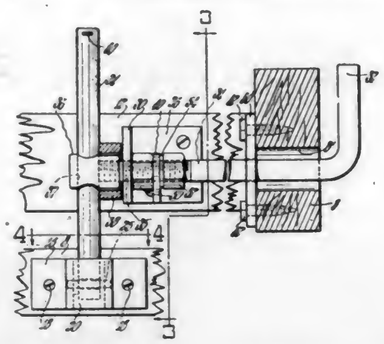


1. In ignition timing apparatus for an engine, means responsive to a pressure difference which increases with increases in engine power, and means controlled by said pressure responsive means for gradually retarding the ignition timing of said engine in accordance with increases in said pressure difference.

2,456,043
LOCKING DEVICE FOR ROCKING CHAIRS
Adelard J. Belisle, Springfield, Mass., assignor to The Berkline Corporation, Springfield, Mass., a corporation
Application May 22, 1948, Serial No. 28,558
2 Claims. (Cl. 155—72)

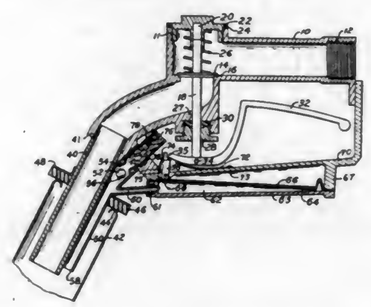
1. Apparatus for releasably locking the base and seat members of a rocking chair against relative rocking movement, comprising in combination, a bracket having a plate portion secured to one of the members and a flange portion extending outwardly from the plate portion and having inner and outer sides, a manually engageable threaded actuator oscillatable in the flange portion between locking and unlocking positions, a locking nut at the outer side of the flange portion having a threaded socket operatively receiving one end of said actuator and provided with a slide rod opening therethrough, a primary nut fixed on said actuator for engaging the inner side of the flange portion, a slide rod having an end pivotally connected to the other of the members and slidably receivable through the slide rod opening in said locking nut, and a locking collar loosely carried on said locking nut between said slide rod and the outer side of the flange portion

for engaging the same, all adapted and arranged whereby as said actuator is oscillated to locking position said primary nut is forced against the inner side of the flange portion and said locking nut



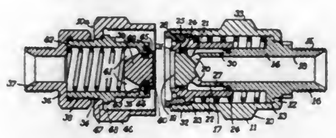
is moved axially toward the outer side of the flange portion to cause said collar to be squeezed between said rod and the flange portion so that said slide rod is held by said collar against sliding movements relative to said nut.

2,456,044
DISPENSING NOZZLE WITH AUTOMATIC CUTOFF
David Biermann, Cook County, Ill.
Application August 3, 1945, Serial No. 608,713
3 Claims. (Cl. 226—120)



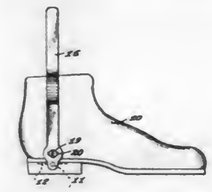
1. A device for insertion into a container to be filled with a liquid comprising in combination a valve body having a fluid passage therein, means for sealing the connection between said valve body and said container, a vent passage leading from within said container to the outside atmosphere, a check valve in said vent passage loaded to close only by the passage of a liquid from the container to the atmosphere, a self closing valve in said body, a manually actuatable lever pivotally mounted on a latch and engaging said self closing valve, said latch pivotally mounted on said valve body, a chamber closed by a diaphragm, a member attached to said latch and cooperating with said diaphragm for movement therewith, and a passage connecting said vent passage with said closed chamber to transmit pressure arising from the closing of said check valve and thereby implementing the release of said latch and the closing of said valve.

2,456,045
PIPE COUPLING
William Hudson James Brock, Leamington Spa, England
Application December 29, 1945, Serial No. 637,882
In Great Britain January 2, 1945
3 Claims. (Cl. 284—19)



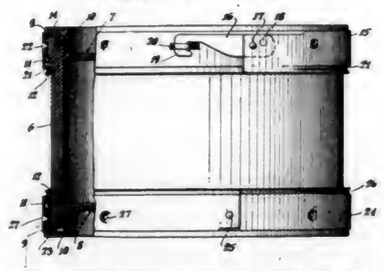
1. A pipe coupling of the kind referred to, consisting of two coupling parts of which the first comprises a tubular stem with lateral apertures closed by a sleeve sliding on the stem and forming with the latter an annular fluid space in permanent connection with the interior of said stem, and the second comprises a tubular body with an end aperture closed by an axially movable valve, the axially movable valve being displaced, inwardly by the stem, and the sleeve being displaced along the stem by the tubular body as the parts are brought together, until the apertures in the stem pass through the end aperture in the tubular body, characterized by the fact that the sleeve and axially movable valve are both grooved circumferentially and are fitted with sealing rings engaging respectively with the end of the stem remote from said fluid port means and the curved wall of the end aperture in the tubular body when the coupling parts are separated and that the stem is also grooved circumferentially and fitted with a sealing ring for engaging the end of the sleeve adjacent said fluid port means, whereby said annular space is sealed at each end thereof.

2,456,046
LEG BRACE
Glen A. Burrows, Charlotte, N. C.
Application March 24, 1947, Serial No. 736,722
4 Claims. (Cl. 128—80)



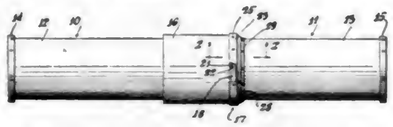
1. A leg brace comprising a stirrup barrel adapted for attachment to the heel of a shoe or the like, side arms pivotably associated with said stirrup barrel, and means for limiting the pivoting movement of said arms with respect to said stirrup barrel comprising arm members disposed to extend upwardly from said stirrup barrel adjacent the upper of said shoe and carrying stop elements at their extending ends disposed for engaging said side arms in spaced relation to the point of pivoted association with said stirrup barrel and thereby limit pivoting movement of said side arms with respect to said stirrup barrel.

2,456,047
CONTAINER
Herbert L. Carpenter, Amityville, N. Y., assignor to Carpenter Container Corporation, Brooklyn, N. Y., a corporation of Delaware
Original application February 1, 1937, Serial No. 123,414. Divided and this application June 19, 1945, Serial No. 600,318
1 Claim. (Cl. 229—5.7)



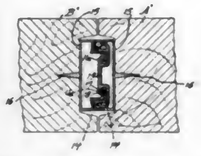
A container comprising a tubular body portion made of fibrous material and formed with a circumferential bead adjacent but spaced from the end thereof, said bead presenting a relatively sharp shoulder facing away from the end and a tapered surface facing towards said end, a closure having a portion fitted into the end of the body portion and a split clamping rim embracing the end of the tubular body portion and having an inwardly projecting flange overlapping the peripheral portion of the closure, said split rim being expandable to open position to provide for its removal and being contractable to closed position gripping the end of the body portion and pressing it into engagement with the closure and said rim having an inwardly projecting circumferential shoulder interengageable with the shoulder of said bead when the rim is in closed position to retain the rim and closure in assembled relationship.

2,456,048
SECTIONAL CONTAINER AND COUPLING
Herbert L. Carpenter, Amityville, N. Y., assignor to Carpenter Container Corporation, Brooklyn, N. Y., a corporation of Delaware
Original application February 1, 1937, Serial No. 123,414. Divided and this application June 19, 1945, Serial No. 600,319
2 Claims. (Cl. 285—129)



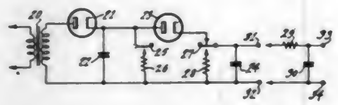
1. A container structure comprising a plurality of separable sections each including a hollow body portion made of fibrous material and cooperable to be joined together end to end, the end of one section being of greater diameter than the end of another section to provide telescopic engagement between the ends, one of said sections being formed with a circumferentially extending relatively thin, separate metal band secured therearound having a continuous projecting rib thereon adjacent the end of said section which joins the other section and means including an expanding metal clamping rim for encircling and overlapping the joining ends of the said sections, the said rim having a portion inter-engageable with the rib on the band of one section and being inter-engageable with the other section whereby the sections are releasably retained in assembled relationship.

2,456,049
INTERLOCKING PARTITION STRUCTURE
Theodore Carrozza, New York, N. Y.
Application January 11, 1946, Serial No. 640,575
1 Claim. (Cl. 20—92)



The combination of a pair of coplanar structural elements each having a groove in an edge, said elements having their edges disposed in opposed relation with the grooves defining a recess, a channel member for each of said elements secured within the groove thereof and having opposed edges, said edges having an inwardly extending portion and an intermediate portion extending at an angle thereto and a terminal portion extending at an angle with the intermediate portion, the intermediate and terminal portions of one channel being parallel to and in nesting relation with the corresponding portions of the other channel, and a plate having portions substantially of C-shape extending along opposite edges, the C having an edge portion coplanar with the main body of the plate and engaging a terminal portion of a channel, the C including a wing portion extending away from the main body of the plate and outwardly in engagement with a terminal portion of a channel and extending backwardly into engagement with the intermediate portion of the edge of the last mentioned channel.

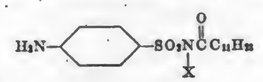
2,456,050
ELECTRICAL CIRCUITS
John R. Cooney, Waldoboro, Maine
Application April 12, 1945, Serial No. 588,011
8 Claims. (Cl. 175—363)



1. The combination of means for applying an alternating voltage, a first capacitor, a second capacitor having a capacitance which is small as compared to that of said first capacitor, means for rectifying said voltage and for applying said rectified voltage to said capacitors, means for discharging said first capacitor at the beginning of each positive half-cycle of said voltage, and means for discharging said second capacitor at the beginning of each negative half-cycle of said voltage whereby the unidirectional voltage output of said device is increased rapidly in response to an increase in the amplitude of said alternating voltages and decreases at a predetermined time after a decrease in the amplitude of said alternating voltage.

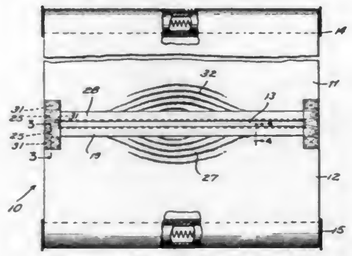
2,456,051
N'-DODECANOYLSULFANILAMIDES
Martin E. Hultquist and Elmore H. Northey, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 15, 1944, Serial No. 568,386
2 Claims. (Cl. 260—397.7)

1. N^1 - dodecanoylsulfanilamide having the formula:



in which X is a cation.

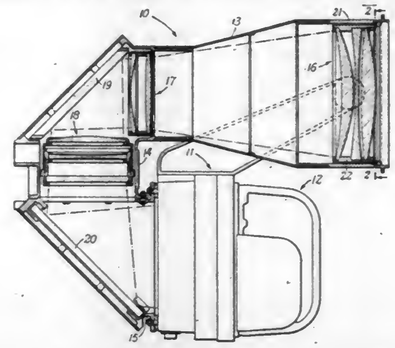
2,456,052
CURTAIN FOR FOCAL PLANE SHUTTERS
Irving W. Doyle, Massapequa, and Carl V. Johnson, Kew Gardens, N. Y., assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., a corporation of Delaware
Application November 2, 1944, Serial No. 561,556
3 Claims. (Cl. 95—57)



1. In a focal plane shutter curtain, in combination, a relatively rigid straight slit forming strip, a flexible cloth curtain having slit and roller attaching edges, and means for attaching the slit edge of said curtain to said strip, the length of said curtain while motionless at its longitudinal center line being greater than the length of said curtain along lines spaced transversely of its center line, the greater length of said curtain along its longitudinal center line being created through the provision of a surplus of material adjacent to and extending away from the slit edge of the curtain where it is attached to said strip.

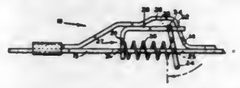
2,456,053
CAMERA LENS MOUNT
Irving W. Doyle, Massapequa, N. Y., assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., a corporation of Delaware
Application April 20, 1945, Serial No. 589,350
7 Claims. (Cl. 88—57)

1. In a camera lens mount, the combination of, a housing, an optical element, a barrel whose outer diameter is less than the inner diameter of the housing for supporting said optical element disposed in said housing and forming an annular space with the inner surface thereof, and means including a plurality of projections secured to said housing in a plane normal to the optical axis and extending radially therefrom into cooperating apertures in said barrel and in slidable engagement therewith for securing said barrel in said housing, whereby said barrel is free to expand radially within said housing but is restrained from axial movement relative thereto,



whereby the optical axis of said optical element is held coincident with the axis of said housing.

2,456,054
LOCKING DEVICE FOR THE SLIDING MEMBERS OF EXTENSIBLE FRAMES
Daniel A. Eberhardt, St. Louis, Mo.
Application December 11, 1947, Serial No. 791,084
3 Claims. (Cl. 287—58)

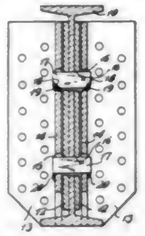


1. In an extendible frame having two arms with means for holding the arms in substantially parallel abutting relationship with each other and slidable one with respect to the other, a clamp for locking the said arms against relative movement in one direction comprising a key having an opening therein through which a first of said arms is passed, said opening being dimensioned proportionately to the dimensions of said first arm but larger in area than the cross-sectional area of the first arm, a bowed section formed in the second of said arms, a key mounting member supported from said bowed section and having first and second sections parallel and normal, respectively, to the first of said arms, said first section having a slot therein to receive said second arm and said second section having a slot therein to receive said first arm, means for pivotally connecting said key to said key mounting member, and a spring acting between said second section of said key mounting member and said key to bias the latter into a normal locking position.

2,456,055
END CONNECTION FOR STRUCTURAL STEEL BEAMS
John R. Farrar, Lakewood, Ohio
Application November 8, 1945, Serial No. 627,357
3 Claims. (Cl. 189—36)

1. In a structural steel construction, a connection between an end of a horizontal structural member and a supporting structural member comprising connecting angles having arms arranged on opposite sides of the web of said horizontal member adjacent the end thereof and arms adapted to be secured to the supporting member, said web and said first mentioned arms being provided with a plurality of vertically

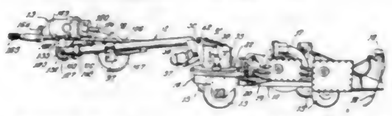
spaced registering openings elongated in the longitudinal direction of the horizontal member, and supporting shelf members extending through the registering openings in said web and said first mentioned arms, the upper walls of the web openings having even simultaneous bearing contact upon the top surfaces of the shelf members while the uper walls of the openings in said first mentioned arms are out of contact with the top



surfaces of the shelf members, the lower surface of one of the shelf members being out of contact with the lower walls of the openings in said web and in said first mentioned arms but with said shelf member secured to said arms, another of said shelf members having its lower surface out of contact with the lower wall of the opening in the web but having bearing contact with the lower walls of the openings in said first mentioned arms and secured to said arms,

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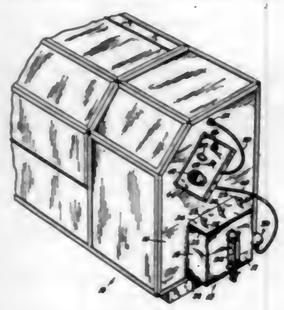
2,456,056
MINE DRILL SUPPORT AND DRIVING MECHANISM
Louis J. Fellay and Harry H. Kavanaugh, Peoria, Ill., assignors to Dooley Bros., Peoria, Ill., a corporation of Illinois
Application September 10, 1947, Serial No. 773,270
11 Claims. (Cl. 255—51)



1. A mine drill support and driving mechanism comprising, in combination, a base plate, a turret supported for rotational movement relative to the base plate, a latch mechanism for locking the turret in any one of a multiplicity of positions relative to the base plate, a drill carrying arm supported at one end by the turret for swinging movement in a plane transverse to the plane of said rotational movement, a motor driven screw mechanism for determining the position of the arm relative to the turret, a drill driving and feeding mechanism mounted for practically universal swinging movement at the other end of the drill carrying arm, and a manually operable control element for actuating said latch mechanism and a switch for controlling said motor driven screw mechanism both mounted on the drill carrying arm near said drill driving and feeding mechanism.

2,456,057
VAPORIZER AND CONTROL PANEL
Frederick W. Glossbrenner, Indianapolis, Ind.
Application October 13, 1947, Serial No. 779,569
3 Claims. (Cl. 219—38)

1. A vaporizer assembly comprising a tank formed to provide bottom, side, and end walls, means spanning a pair of said walls at spaced points, each of said means being provided with a tapped opening therein, a cover for said tank, said cover being formed with spaced openings registering, when said cover is in closing association with said tank, with said tapped openings, a screw enterable through each of said cover openings and taking into one of said tapped openings, each of said screws being provided with an operating knob at one end, said cover further being provided with a tapped opening therein, a further screw taking into said tapped opening in said cover and having a knob at one end, a sight glass, means mounting said sight glass on said tank outside the same, the upper and lower ends of



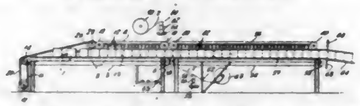
said sight glass being in communication with the interior of said tank at vertically spaced points, one upstanding wall of said tank being provided with an opening therethrough adjacent said bottom wall, an electrical heater including a body and a resistance heating unit, said unit being entered through said last-named opening and positioned within said tank, means clamping said body to said upstanding wall, another upstanding wall of said tank being provided with an opening therethrough at a point remote from said bottom wall, and a short pipe section rigidly fixed to said last-named upstanding wall and registering with said last-named opening for communication with the interior of said tank.

2,456,058
OUTLET GRILLE
George R. Goldthwaite, North Easton, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application November 26, 1946, Serial No. 712,356
2 Claims. (Cl. 98—110)



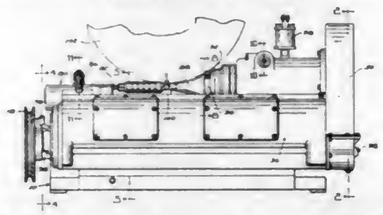
1. A grille comprising a frame having an outlet opening therein and having side members on opposite sides of the opening, said side members having substantially triangular openings therein, the openings having apices and bases opposite the apices, said bases having a plurality of notches therein, and vanes extending across said outlet opening, said vanes having springs attached to the ends thereof and which have portions fitted into said apices and notches.

2,456,059
MACHINE FOR AND METHOD OF BANDING BOXES
William F. Grupe, Lyndhurst, N. J., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application March 6, 1946, Serial No. 652,339
6 Claims. (Cl. 216—20)



2. In a machine for banding boxes together, the combination of means for feeding boxes one behind the other in a row, devices for guiding bands having adhesive on one side thereof and applying the adhesive sides of the bands to opposite sides of the boxes as the boxes pass a predetermined station in their travel, means for applying pressure to the bands when they are applied and maintaining the pressure thereon until the adhesive has become substantially set so as to firmly secure the bands to the boxes, and means for thereafter severing the bands so as to successively separate the boxes in groups from the row.

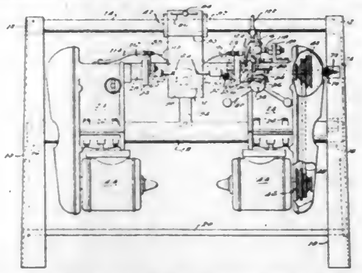
2,456,060
ROTOR GRINDER
Joseph H. Hoern, Birmingham, and Curtis G. Pardee, Detroit, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 29, 1945, Serial No. 638,184
5 Claims. (Cl. 51—50)



4. A machine for generating external peripheral teeth on inner rotors of internal gear pumps comprising a spindle adapted to carry the rotors to be machined, means for rotating the spindle about its axis, means for moving the spindle in an eccentric path, means for counterbalancing the movement of the spindle, and rotatable means adapted to engage the rotors carried by the spindle effective to provide for the generation of the teeth on the rotors, said spindle, the means for eccentrically rotating the spindle and the means for counterbalancing the spindle movement all being arranged parallelly and symmetrically to one another.

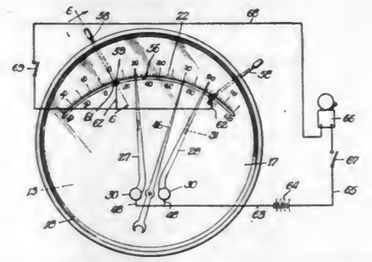
2,456,061
DOUBLE END CENTER LAPPING MACHINE
George Hohwart, Detroit, Mich., assignor to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application August 6, 1945, Serial No. 609,145
4 Claims. (Cl. 51—71)

3. In a lapping machine, a pair of opposed and spaced tool heads each including a spindle and means for driving said spindle, means for supporting said heads with the spindles in axial alignment with each other, means for effecting relative axial movement between said spindles, lapping elements carried by said spindles and having working ends, an air nozzle directed approximately at the working end of each lapping



element, valve means for controlling the flow of air through said nozzles, and means rendered operable by relative movement of the spindles to open said valve means.

2,456,062
THERMOMETER AND THERMOSTATICALLY OPERABLE ELECTRIC SIGNALING DEVICE
Emil F. Iwanski, Chicago, Ill.
Application October 8, 1945, Serial No. 620,906
3 Claims. (Cl. 177—311)

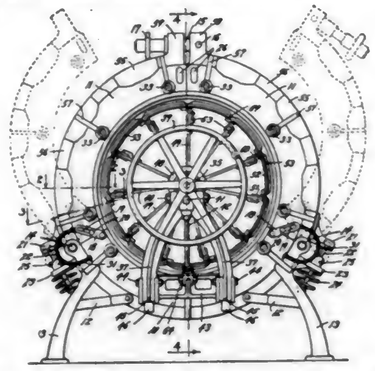


1. A thermostatically operable thermometer comprising a dial having a thermometric scale depicted thereon and a temperature indicator disposed above said dial, said dial being provided with a slot coextensive with said thermometric scale, a marker shiftable within said slot for selectively marking temperature degrees upon said thermometric scale, a hand in pivotal engagement with said dial and movable over said thermometric scale, said hand being positioned intermediate said temperature indicator and said marker, an electric signal, a series electric circuit including said signal, said marker and said hand, whereby temperature changes moving said temperature indicator toward said hand will engage said hand and shift said hand therewith towards said marker, said hand upon contacting said marker completing said electric circuit to energize said signal and to set the same in operation, said temperature indicator being movable away from said hand without deenergizing said signal.

2,456,063
TIRE RETREADING DEVICE
Harold V. James, Denver, Colo.
Application July 24, 1944, Serial No. 546,266
3 Claims. (Cl. 18—18)

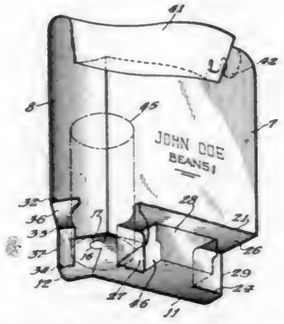
3. A pneumatic tire retreading device comprising: an annular hollow housing open at its axial face; an annular heating bar within said housing; means for preventing lateral movement of said

bar yet allowing radial movement thereof; an annular matrix ring supported within said housing and within said heating bar; spring means urging



said heating bar radially against said matrix ring; and means for guiding the spring-urged movement of said heating bar in a radial direction.

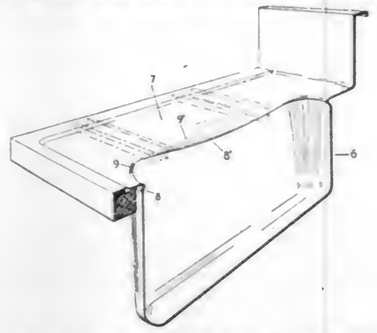
2,456,064
DISPLAY STAND
Arnold E. Johnson, Chicago, Ill., assignor to Arvey Corporation, Chicago, Ill., a corporation of Illinois
Application January 10, 1948, Serial No. 1519
1 Claim. (Cl. 248—198)



In a display stand, a sheet of flexible material such as cardboard cut and scored to provide a display section, a wing section hingedly connected to one side of said display section, said wing section being angularly disposed with respect to said display section, a primary base section hinged to the lower end of said display section, a wing base section hinged to the lower end of said wing section, said primary and wing base sections being disposed in a common plane and having their adjacent side edges in abutting relation, and locking means formed on the abutting edges of said base sections.

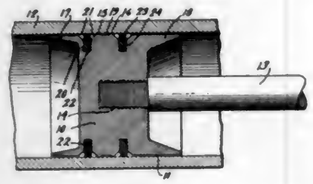
2,456,065
SINK
Matyas J. Just, Chicago, Ill., assignor to Just Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 30, 1945, Serial No. 613,493
11 Claims. (Cl. 4—187)

1. A sink comprising a bowl and drain board in welded connection, the upper margin of the sink bowl overhanging the bowl and the contiguous marginal portion of the drain board having a convex downward curvature to an edge co-



extensive with said bowl margin and provided with a weld affording continuous connection between the bowl and drain board substantially along the line of maximum overhang.

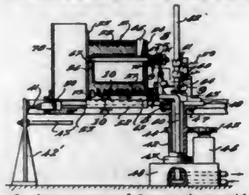
2,456,066
MEMBER SEALING MEANS
Leslie A. Kempton, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application April 6, 1945, Serial No. 586,998
8 Claims. (Cl. 309—4)



4. In combination relatively slidable members one of which has a land surface in frictional engagement with the other and a sealing element interposed between and in stressed sealing engagement with said members adjacent said land, said element having a flexible free portion tightly pressed against one of said members adjacent said land and one of said members being recessed around said free portion providing clearance for the bending of said free portion laterally with respect to said land during a limited extent of relative sliding movement of said members without dislodging said free portion from its position of sealing engagement, said free portion upon continued relative movement of said members being movable against the recessed member so as to bottom thereon and thereafter have sliding sealing contact with one of said members.

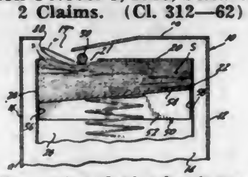
2,456,067
CENTRIFUGAL CASTING MACHINE
Theodore C. Kuhlman, Detroit, Mich.
Application August 23, 1943, Serial No. 499,619
2 Claims. (Cl. 22—65)

1. In a casting machine having a revolvable furnace, an outlet in said furnace for discharging molten metal in a mold by centrifugal pressure; a refractory rod for normally closing said outlet, means for retaining said rod in closing position, and means for moving said rod to opening position including means for inflicting a hammer blow on said rod to break it loose from said outlet, said



last means being operable automatically in response to revolution of said furnace.

2,456,068
DISPENSER FOR STACKED ARTICLES
Jay Liben, New York, N. Y.
Application October 3, 1946, Serial No. 700,987
2 Claims. (Cl. 312—62)



1. In a dispensing device having a follower for feeding a stack of folded flexible sheets, each having a transverse line of fold forming its forward end, towards a delivery plate having an opening in its forward end in line with the fold lines of the stacked sheets, the dispensing device having a transverse operating rod adjacent the plate opening, the follower being closer to the plate at the end remote from the opening than at the open end thereof, thereby partially separating the uppermost sheet from the stack thereunder, the operating rod being movable against the stack to move the folded end of the uppermost sheet clear of the stack to permit manual engagement thereof for removal from the dispenser.

2,456,069
ADJUSTING THE pH OF SYNTHETIC ELASTOMER LATICES
Herbert K. Livingston, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 29, 1945, Serial No. 613,447
5 Claims. (Cl. 260—29.7)

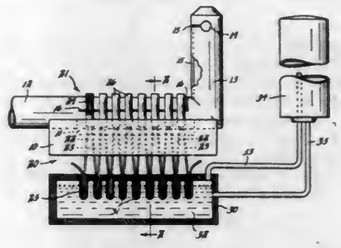
1. In the process for producing and maintaining a pH of from 11.7 to 12.7 in synthetic elastomer latices of the class consisting of polychloroprene latices and 1,3-butadiene elastomer latices in which the principal dispersing and stabilizing agent is of the anionic type, the step which comprises incorporating in the latex a tetraalkanolammonium hydroxide of the formula:

$(HOC_xH_{2x})_4NOH$

in which x is one of the integers 2 and 3 and in each case is the same.

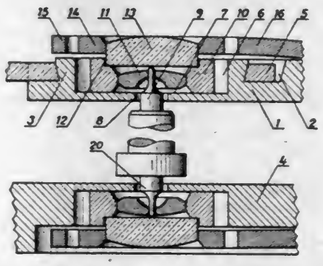
2,456,070
THERMOELECTRIC GENERATOR WITH FLUID COOLING
Sidney K. Malek and Marvin R. Laing, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 14, 1944, Serial No. 522,369
7 Claims. (Cl. 136—4)

3. In a thermoelectric generator, a thermocouple composed of dissimilar metal members joined at one of their ends and supported to form a hot junction, an electrical conductor secured to the other end of each of said members, a mass of substance which is thermally conductive and electrically nonconductive surrounding each of the other ends of said members, a liquid container associated with said mass, said container being partially filled with a liquid in heat transfer relationship with said mass to absorb heat conducted through the thermocouple members from



the hot junction, said liquid being characterized by having a boiling point which is substantially less than the operating temperature of said cold junction, a condenser associated with said liquid container and positioned above the liquid level therein for receiving and condensing the evaporated portion of said liquid, and conduit means connected between said container and said condenser for returning the condensed liquid to said container.

2,456,071
SHOCK-ABSORBING DEVICE FOR PIVOTS OF WATCH BALANCE STAFFS
Adamir Marchand, La Chaux de Fonds, Switzerland, assignor to Benrus Watch Company, Inc., New York, N. Y., a corporation of New York
Application October 23, 1945, Serial No. 623,957
In Switzerland March 29, 1945
5 Claims. (Cl. 58—140)



1. In a watch movement, a balance staff pivot, a balance bridge having a recess, said bridge having an opening in the bottom of said recess for the passage of said pivot, a bearing body spaced from the side walls of said recess, rested freely on the bottom thereon and movable thereon transversely to the axis of the pivot, a pierced jewel set in said bearing body and receiving the end of said pivot, the inner wall of said bearing body having a groove spaced apart from the outer face of said pierced jewel, a cap jewel freely rested in said groove and supporting said pivot, a spiral spring having its outer end fastened to said balance bridge and having a central hole at its inner end, said cap jewel being set in said central hole, said spring being so conformed as to allow radial

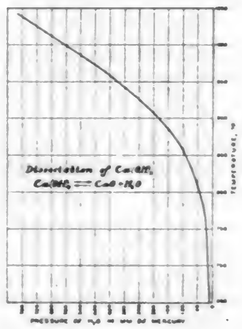
as well as axial yielding displacement of said cap jewel, and lubricant within the space between the adjacent faces of said pierced and cap jewels, whereby upon axial shock on said pivot, said pierced jewel follows said cap jewel in its yielding displacement under the capillary action of said lubricant and upon radial shock said bearing body is moved transversely within said recess and takes up said cap jewel against the radial centering action of said spring.

2,456,072

CONVERSION OF HYDROCARBONS IN THE PRESENCE OF A CATALYST AND CALCIUM OXIDE TOGETHER WITH STEAM AND/OR CARBON DIOXIDE

Milton M. Marisic, Northfield, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application February 12, 1945, Serial No. 577,442
11 Claims. (Cl. 196—52)



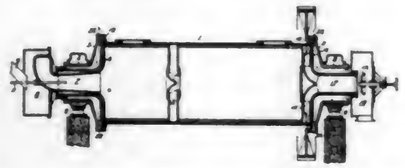
1. The method of catalytically cracking hydrocarbon oil in the presence of a solid catalyst regeneratable by heating in presence of oxygen comprising incorporating quicklime in the catalyst and contacting the quicklime with carbon dioxide during the cracking reaction.

2,456,073

TUBE OR BALL MILL WITH COOLED TRUNNION

Ray C. Newhouse, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application September 15, 1943, Serial No. 502,427
1 Claim. (Cl. 241—67)



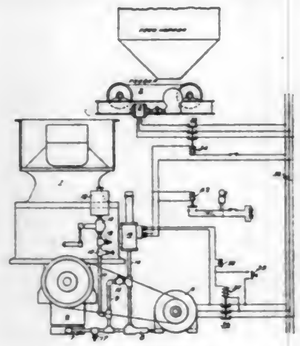
In a mill for treating hot materials, a fluid-tight drum shell having an imperforate annular end wall with an outwardly extending tubular extension of smaller diameter than said shell, said shell and end wall forming an impervious material treating container and said tubular extension forming a material conduit opening into said container, means to support said container for rotation comprising a hollow trunnion of a diameter intermediate the diameter of said tubular extension and said drum shell in coaxially spaced relation to said tubular extension, said trunnion being physically connected in supporting relation to said container solely by a structural end head axially spaced from said end wall except adjacent to the outer periphery of said end wall and passages opening radially outwardly from the space between said end wall and said structural end head to provide for free circulation of cooling fluid through the space between said end wall and said structural end head and hollow trunnion.

2,456,074

OVERLOAD RESPONSIVE SYSTEM FOR CONTROLLING FEED AND OPERATION OF CRUSHING APPARATUS

Ray C. Newhouse, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application May 29, 1944, Serial No. 537,919
7 Claims. (Cl. 241—34)



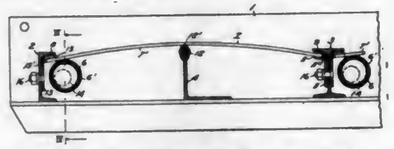
5. A crusher system comprising a continuously acting power driven crusher having relatively moving crushing members, a feed control means to supply material to be crushed to said crushing members, yieldable means normally supporting said crushing members in predetermined operative relation and responsive to a predetermined excessive crushing pressure between said members to permit said members to yield relatively in opening direction, resilient energy accumulator means connected with said supporting means in a manner to accumulate energy as a result of yielding movement of said crushing members in amount sufficient to return said crushing members to normal operative relation from relatively displaced positions under no load conditions, said resilient energy accumulator means being constructed and arranged to accumulate such energy at an energy level only just high enough to return said members under substantially no load conditions, energy transfer check means connecting said supporting means and said accumulator means and constructed and arranged to normally prevent the transfer of energy from said supporting means to said accumulator means and to permit a flow of energy in the reverse direction under no load conditions, and means responsive to relative displacement of said members from their normal operative relation and operatively connected to said feed control means to cut off supply of material to said crushing members during such displacement.

2,456,075

ROD DECK SCREEN WITH RUBBER-COVERED CYLINDRICAL CLAMPING MEANS

Ray C. Newhouse, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application November 3, 1944, Serial No. 561,698
5 Claims. (Cl. 209—395)



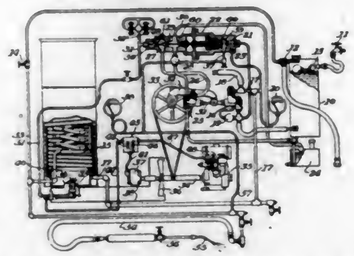
5. A parallel rod material separating screen comprising a rigid rectangular frame, laterally spaced pairs of alined individual rod end receiving sockets in opposed faces of a pair of parallel frame members, said sockets having rod end engaging seat portions generally in the plane of said frame and facing the same side of said plane, a camber bar in said frame parallel to and spaced intermediate said socketed frame members and having a rod supporting surface facing in a direction opposite that in which said seat portions of said sockets face, a plurality of separate generally rectilinear flexible resilient rods each having its opposite ends individually seated in an alined pair of said sockets and its intermediate portion sprung over said rod supporting surface of said camber bar, the location of said rod supporting surface of said camber bar relative to the plane of said seat portions of said sockets being so chosen with relation to the normal unstressed form and thickness of said rods that said rods are somewhat bowed when in position under an elastic stress which tends to retain them in position in parallel laterally spaced relation in said frame, and a clamping bar operably mounted on said frame adjacent and parallel to one of said socketed frame members for movement into engagement with the surfaces of said rods adjacent their ends to clamp said rod ends firmly against said rod end engaging seats of said one of said socketed frame members.

2,456,076

MULTIPLE SPARK CIRCUIT

Frank W. Ofeldt, Coraopolis, Pa., assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa., a corporation of Pennsylvania

Application November 23, 1943, Serial No. 511,421
13 Claims. (Cl. 158—28)



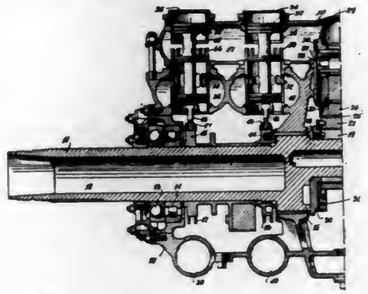
10. In a burner control circuit the combination of a burner, means for supplying fuel to the burner, spaced electrodes to provide a spark for igniting the fuel in the burner, a spark controlled motor for operating said fuel supply means, a second pair of spaced electrodes to provide a spark arranged to control the operation of said motor, a high voltage electric source controlled by the operation of the motor, a coupling having primary and secondary windings, electrical connections placing the high voltage electric source and the primary winding and the fuel igniting electrode in a closed series circuit, and electrical connections placing the ends of the secondary winding across the second pair of electrodes to control the operation of the motor.

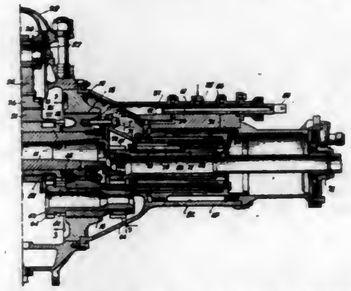
2,456,077

HYDRAULIC TRANSMISSION

Elias Orshansky, Jr., New York, N. Y., assignor to The Acrotorque Company, Stamford, Conn., a corporation of Connecticut

Application June 26, 1946, Serial No. 679,428
9 Claims. (Cl. 103—38)





1. A mechanism for varying the stroke of a reciprocating piston comprising, in combination, a rotatable shaft, an eccentric freely rotatable upon said shaft, a second eccentric freely rotatable upon said first eccentric, said second eccentric being connected to said piston, a gear rigidly coupled to said first eccentric, an elliptical gear rigidly coupled to said second eccentric, a second elliptical gear in mesh engagement with said first elliptical gear, a second gear including an idler gear coupled to said first gear for imparting reverse rotation to said first gear, a common shaft for rigidly carrying said second gears, the rotation of said gears producing concurrent and opposite rotation of said eccentrics, and means for rotating said common shaft in either direction.

2,456,078

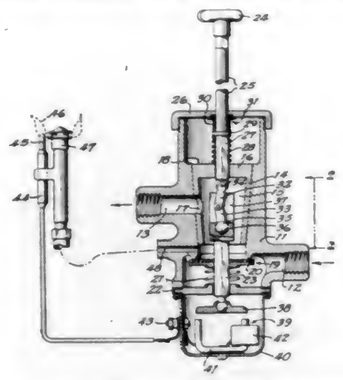
MANUAL RESET VALVE

Eugene Paille, Los Angeles, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California

Application May 10, 1947, Serial No. 747,309
8 Claims. (Cl. 277—8)

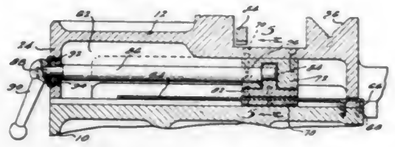
1. In combination: a valve casing; a first valve comprising an apertured plug seated in said cas-

ing and rotatable to control flow therethrough; an additional valve also controlling flow through said casing; means for operating said additional valve comprising a pair of spaced members in axial alignment and movable along said axis; means disposed generally along said axis and forming a connection between said members, said connection normally being collapsible away from



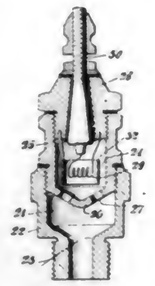
said axis when compressive force is applied between its ends so that it is ineffective to transmit said force from one of the members to drive the other; and means, operated by rotation of said plug, for so limiting the collapse of said connection when the plug is in a predetermined flow-controlling position that the connection is then effective to transmit compressive force between the members for operating said additional valve.

2,456,079
SURFACE GRINDER
John W. Parker, Grosse Pointe, Mich.
Application November 19, 1945, Serial No. 629,550
1 Claim. (Cl. 51—231)



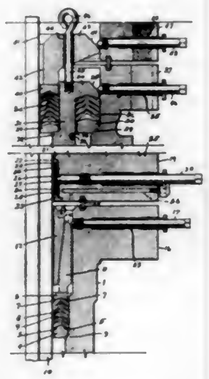
A surface grinder comprising, in combination, a base; a saddle mounted for sliding movement on said base; a table slidably mounted on the saddle for movement in a direction of right angles to the direction of travel of said saddle; actuator means for said saddle and said table; and means for holding the saddle in a selected adjusted position, said holding means comprising an inherently flexible metallic strip mounted on the base and extending in spaced relation therewith beneath the saddle and parallel to its direction of travel, a support attached to the saddle positioned to travel along said strip, an adjustable clamping member carried by the support and movable against said strip to press the latter into binding, frictional engagement with the support, and a manually rotatable shaft journaled in the saddle and having an eccentric connection with said clamping member whereby rotation of the shaft moves the clamping member into and out of engagement with the strip.

2,456,080
IGNITION PLUG
Wu Pe, Nanking, China
Application December 27, 1946, Serial No. 718,860
In China November 20, 1944
6 Claims. (Cl. 123—143)



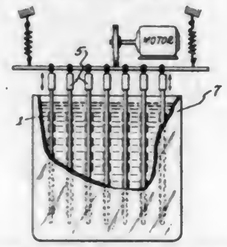
1. An ignition plug for use in an internal combustion engine having a piston and cylinder, comprising a member adapted to be secured in the wall of said cylinder forming an ignition chamber adapted to communicate with the interior of said cylinder, means associated with said member to form an inner firing chamber and a timing grid separating said chambers and having openings therethrough of such cross sectional area that the velocity of flow of fuel mixture through said grid into said firing chamber under the compression impulse of said piston exceeds the velocity of flame propagation in said firing chamber until the piston travel has reached a determinate point, and a removable closure for said firing chamber having an electrical resistance element supported thereon and extending into said firing chamber for igniting the fuel mixture therein.

2,456,081
WELL-HEAD SEAL
Arthur J. Penick, Houston, Tex., assignor to Oil Center Tool Company, Houston, Tex., a corporation of Texas
Application November 2, 1945, Serial No. 626,333
1 Claim. (Cl. 285—22)



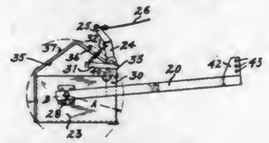
In a well head assembly having concentric parts spaced apart, the outer part having an inside, annular, upwardly facing seat and the inner part having an external annular flange spaced above said seat, a wear ring on the seat, an assembly of superimposed, nested seal rings between the wear ring and flange, said inner part having an inside, annular, upwardly facing shoulder, a lower wear ring on said shoulder, an upper wear ring spaced above the lower wear ring, an assembly of seal rings between said lower and upper wear rings, an annular gland concentric with the inner part and bearing against the upper wear ring and means for forcing the inner part and the gland, respectively, against the corresponding seal ring assemblies.

2,456,082
ART OF METALIZING NONMETALLIC BODIES
Leopold Pessel, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1943, Serial No. 504,495
4 Claims. (Cl. 117—35)



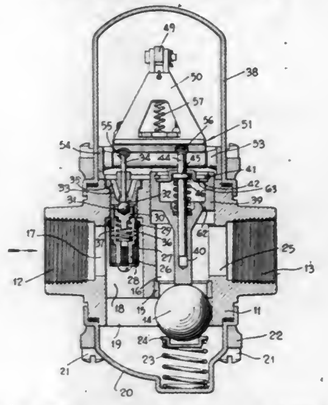
4. A method of metallizing a non-metallic object which comprises immersing said object in a bath consisting of a mixture of two solutions A and B, of which solution A consists of ammoniacal silver nitrate and solution B consists of silver tartrate, said mixture being made up such that it contains a ratio of silver present as tartrate to silver present as ammonia compound of the order of 0.3 to 0.5.

2,456,083
IRRIGATION RIDGE BLOCKER
Kenneth D. Priestley, Campbell, Calif.
Application February 9, 1945, Serial No. 577,064
2 Claims. (Cl. 37—140)



1. In an irrigation ridge blocker of the character described, the combination of a drawbar frame, a latching means carried by said drawbar frame for holding a tumbling bucket in an earth gathering position, an earth gathering bucket turnably connected to said drawbar frame and adapted when unlatched to tumble completely over and return to its original latched position, said bucket being turnable about an axis extending transverse to the direction of movement of said drawbar frame, an upstanding bucket supporting runner at each side of said bucket having two flat angularly disposed surfaces which meet to form an apex in said runners substantially centrally above the top of said bucket, and said bucket being journaled upon said drawbar frame at a point rearwardly of the apex of said runner, whereby during the dumping portion of its tumbling movement said bucket will turn at a different rate than during its return to a normal earth gathering position.

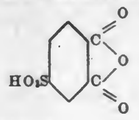
2,456,084
FLUID CONTROL VALVE
William A. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation
Application December 18, 1944, Serial No. 568,676
9 Claims. (Cl. 137—139)



5. In a fluid control valve: a casing having a main passage therethrough provided with a valve seat, a closure movable with respect to said seat to control fluid flow through the valve, a motor operable by the pressure of the fluid controlled by the valve and comprising means forming a pressure chamber defined in part by a movable partition for actuating said closure, a pilot valve for controlling supply of said fluid to said chamber and mounted in a wall of the chamber separate from said movable partition, a spring cooperable with said partition and effective when stressed to exert a force on the partition supplementing the force produced by said fluid pressure, means in said chamber for operating said pilot valve and for substantially simultaneously stressing said spring, and an additional motor for operating said last-named means.

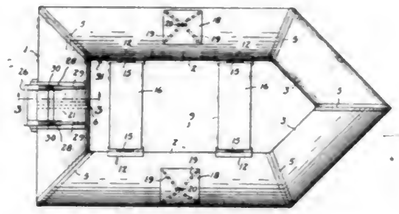
2,456,085
CATION-EXCHANGE RESINS PREPARED BY CONDENSING SULFOPHTHALIC ANHYDRIDE AND XYLENE
Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 21, 1946, Serial No. 656,156
4 Claims. (Cl. 260—78.4)

1. An insoluble, infusible, porous, resinous composition having cation-exchange properties, which comprises a condensate of one mol of sulfophthalic anhydride, having the formula



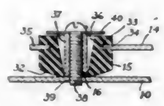
and two mols of xylene.

2,456,086
COLLAPSIBLE BOAT AND METHOD OF MAKING THE SAME
Chester F. Schwall, Jr., Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 17, 1945, Serial No. 594,233
16 Claims. (Cl. 9—2)



1. The herein described method of making an inflatable boat body which comprises providing a strip of impregnated fabric adapted to retain air under pressure and of a length corresponding to the external periphery of the boat body to be formed, shortening the strip along its longitudinal central portion by forming spaced tucks in the fabric, all disposed upon the same side thereof, and converting the strip into an endless tube with the tucks upon the interior thereof by attaching together the longitudinal and end edges of the strip.

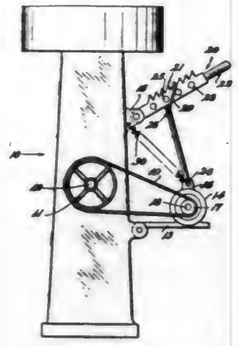
2,456,087
RUBBER GROMMET
Emmor V. Schneider, Alliance, Ohio, assignor to The Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Application November 15, 1944, Serial No. 563,575
15 Claims. (Cl. 248—358)



1. A rubber grommet for mounting a vibrating element upon a support and isolating vibration of the vibrating element from the support, said rubber grommet being arranged for connection to the vibrating element and the lower end of the grommet being arranged to rest upon the support, there being an axial opening through the grommet and a spacer located through said axial opening for attachment to the support, the spacer and axial opening being so shaped that the only point of contact between the spacer and the grommet is at the lower end of said axial opening and the lower end of the grommet being convex so that the only point of contact between the grommet and the support is at the center of the lower end of the grommet surrounding said axial opening.

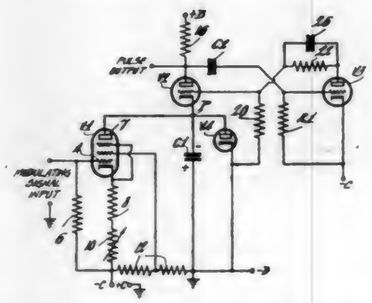
2,456,088
HINGED MOTOR HANGER FOR CREAM SEPARATORS OR LIKE MACHINES
William M. Scircle, Scircleville, Ind.
Application June 19, 1947, Serial No. 755,809
4 Claims. (Cl. 74—242.15)

1. In a device of the class described comprising a frame, a platform pivoted along one edge to said frame, a driven pulley rotatably mounted on said frame, a motor mounted on said platform and having a driving pulley, a belt connecting said pulleys, said motor having an eyelet thereon, means for adjustably tightening and loosening said belt comprising a lever pivoted at one end to said frame above said platform, a rod pivotally



connected at one end to said eyelet and at the other end to said lever, resilient means normally urging said motor and platform in an upward direction, means partly on said rod and partly on said lever for limiting the pivotal movement of said rod with respect to said lever.

2,456,089
WIDE BAND FREQUENCY MODULATOR
Eugene R. Shenk, Brooklyn, and Anthony Liguori, New York, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application June 26, 1946, Serial No. 679,339
9 Claims. (Cl. 179—171.5)



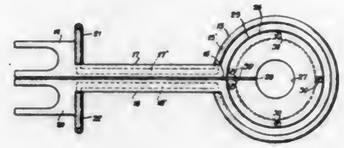
1. A timing modulation system including in combination, a trigger circuit including two electrode structures with their electrodes cross-coupled by resistors and capacitors in such a manner that current normally flows in one electrode structure and is cut-off in the other electrode structure, a capacitor connected to an electrode of one electrode structure to include the same in a path for said capacitor wherein current or potential is developed to control the charge in said capacitor to thereby control the potential on said electrode, a modulator tube having output electrodes in a second charge controlling circuit for said capacitor, and means for controlling the current through said modulator tube in accordance with signals.

2,456,090
PREPARATION OF NOVEL DICYANDIAMIDE DERIVATIVES
John Kenson Simons, Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio
No Drawing. Application March 27, 1942, Serial No. 436,485
3 Claims. (Cl. 260—308)

1. A method of preparing dicyandiamide derivatives that comprises carrying out condensation, with elimination of a molecule of ammonia, of a molecule of dicyandiamide and a molecule of a hydrazide having not more than two hydrazide radicals, any atoms other than carbon, hydrogen and nitrogen in the molecule of such hydrazide consisting of oxygen atoms.

3. 1-guanyl guanazole.

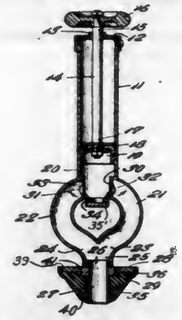
2,456,091
INDUCTOR FOR HIGH-FREQUENCY INDUCTION HEATING
Nelson B. Stevens, Woodhaven, and Pasquale R. Capolongo, New York, N. Y., assignors to Induction Heating Corp., New York, N. Y., a corporation of New York
Application March 12, 1945, Serial No. 582,264
4 Claims. (Cl. 219—47)



1. An inductor for high frequency induction heating, comprising a pair of adjacent supporting and terminal connection members, a ring-like frame portion fixed thereon for completing a circuit connection therewith, said members and frame portion being formed with cavities for circulation of cooling fluid therethrough, and readily removable and replaceable plate-like adaptor means mounted to extend over the space within said frame portion, and formed with a central aperture of size and shape preselected to receive the object to be heated with close inductive coupling therewith, the periphery of said adaptor means and the interior of said ring member being formed with complementary interengaging flanges, and said adaptor means and frame portion being correspondingly slotted adjacent said terminal connections to avoid short-circuiting same, the said interengaging flanges providing effective electrical and heat conducting contact therebetween substantially continuously around the frame portion except at the slot.

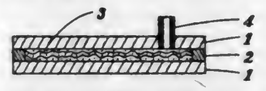
2,456,092
PUMP FOR CLEARING WATER TRAPS
Rasmus Storevik, Brooklyn, N. Y.
Application February 21, 1946, Serial No. 649,142
3 Claims. (Cl. 4—255)

1. A pump comprising a cylinder terminating in an inlet pipe, a piston workable in said cylinder, a flap valve for the inlet, a pair of arcuate outlet pipes projecting outwardly from said inlet, said outlet pipes having a common terminal coaxial with said inlet, a nipple carried by the terminal, valves for said outlet pipes adjacent said inlet, a retaining flange carried by said nipple



and a flexible cone detachably carried by said flange.

2,456,093
METHOD OF POLYMERIZATION
David A. Swedlow, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application March 24, 1943, Serial No. 480,322
8 Claims. (Cl. 154—140)

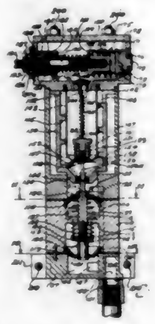


5. A method which comprises placing a plurality of superposed fibrous layers impregnated with a liquid polymerizable material in an amount in excess of that desired in the final product in a closed cell comprising a pair of sidewalls movable with respect to each other and provided with a compressible separator to permit motion of the sidewalls toward each other, establishing a differential pressure between the interior and exterior of the cell to compact the layers through movement of the sidewalls toward each other and thereby remove the desired excess of polymerizable material from the layers and distribute the residual polymerizable material uniformly throughout the layers, and polymerizing the impregnated layers without further loss of polymerizable material therefrom.

2,456,094
METHOD AND APPARATUS FOR REGULATING WATER TEMPERATURE
John A. Victoreen, Cleveland, Ohio
Application January 23, 1943, Serial No. 473,313
4 Claims. (Cl. 236—12)

1. A thermostatic water regulator of the class described including a housing formed with a cold water inlet chamber and a hot water inlet chamber, a pair of valves for controlling the flow of fluid out of said chambers, rod means extending through said chambers and rigidly connecting said valves to each other and resilient means connected to said rod and said housing for sealing said chambers from each other, a mixing chamber, said housing formed with a duct for conducting the cold water discharging from the cold water chamber to said mixing chamber said duct opening in the side of said chamber, said hot water chamber being disposed to discharge water controlled by said valve directly to said mixing

chamber, baffle means in said mixing chamber for cooperation with the fluid flow into said chamber to mix the fluids in said chamber and comprising a downwardly extending member for diverting the hot water stream, said baffle formed with an outlet port for the discharge of fluid from said chamber, and thermo responsive means disposed in the path of fluid from said mixing chamber and comprising a tank having a fluid therein, a bellows disposed in one end of said tank and a member having one end connected to and carried by said bellows and the other end connected to said rod and extending through the mixing chamber for controlling said valves, said bellows being disposed in the path of flow or fluid from said mixing chamber, and baffle means carried by said bellows and rod connecting member, disposed in the path of said fluid and adapted to be moved by the fluid proportional to the flow thereof to compensate for the loss of pressure in the bellows during such fluid flow.

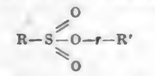


2,456,095
UREA-FORMALDEHYDE COMPOSITION

Henry A. Walter, Longmeadow, Mass., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application November 6, 1947, Serial No. 784,524
4 Claims. (Cl. 260—17.3)

1. A thermosetting composition comprising a urea-formaldehyde reaction product and a latent curing catalyst having the general formula



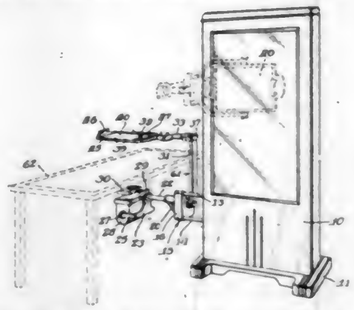
in which r is a divalent unsubstituted aliphatic radical having from two to five carbon atoms and having at least one hydrogen atom attached to the same carbon atom as the oxygen linkage, in which the free valences are connected to different carbon atoms, and R and R' are monovalent radicals selected from the class consisting of phenyl, alkyl phenyl, and alkyl alkyl phenyl, said alkyl groups having from one to five carbon atoms.

2,456,096
X-RAY EQUIPMENT

Bruno F. Wehmer, Melrose Park, Ill., assignor to The Wm. Meyer Company, Chicago, Ill., a corporation of Illinois

Application September 26, 1946, Serial No. 699,533
4 Claims. (Cl. 250—58)

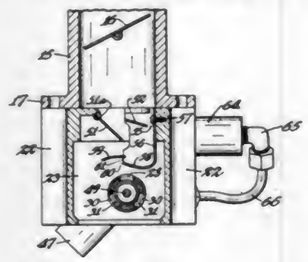
1. X-ray equipment comprising an upright pedestal, a carriage, means forming a part of said pedestal for supporting said carriage, said means enabling up and down bodily movements of said carriage under control of the operator, said carriage being also bodily movable horizontally relative to said pedestal under control of the operator, a bearing supported by said carriage exteriorly of said pedestal and pivoted for rotation in a horizontal plane, said bearing having a horizontal bore, a yoke including a shaft journaled in said bore and a radius rod connected at one end to said shaft and extending perpendicularly thereto, an arm connected to the other end of said radius rod for swinging movement in a plane passing through the radius rod, an X-ray tube carried by said shaft and rotatable therewith, and a fluoroscopic screen carried by said arm, said yoke being effective to hold said screen and tube in cooperative alignment, the rotatability of said yoke permitting said screen and tube to be positioned in alignment at opposite sides of said pedestal and, alternatively, to be positioned in alignment at one side of said pedestal.



2,456,097
FUEL VAPORIZER

Isaac W. Wepplo, Minneapolis, Minn.

Application December 1, 1945, Serial No. 632,157
2 Claims. (Cl. 48—180)

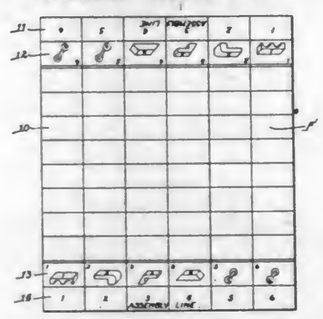


1. A fuel vaporizer for internal combustion engines adapted for use in the intake passage of the engine between the carburetor and intake manifold thereof comprising, a casing providing a chamber to be located between said carburetor and manifold and having an inlet and an outlet adapted for communication with said carburetor and manifold respectively, a butterfly valve in said chamber subject to the pressure flow of fuel intake gases through said chamber, said butterfly valve being of less extent when in a closed position than the cross sectional flow area of said chamber, thereby leaving a constantly open flow passage in said chamber, and a baffle in said chamber between said butterfly valve and the outlet side of said chamber, said baffle being directed beneath said butterfly valve from the opposite side of said chamber and extending only partially across said chamber.

2,456,098
GAME BOARD AND PLAYING PIECES THEREFOR

Albert H. Wheeler, Worcester, Mass.

Application November 30, 1946, Serial No. 713,356
2 Claims. (Cl. 273—131)



1. A game comprising a game-board having a playing field subdivided in longitudinal and transverse rows of playing spaces and having an additional row of auxiliary spaces equal in number to the longitudinal rows and extending transversely across each end of said playing field, in combination with two playing sets each comprising a plurality of differentiated playing pieces equal in number to the number of longitudinal rows and to the number of spaces in each additional row and constituting a single production unit when assembled, the auxiliary spaces in each additional row bearing consecutive numbers from one end of the row to the other, and the separate pieces in the associated set of playing pieces bearing the same consecutive numbers and indicating the order in which the pieces should be assembled to form a production unit.

2,456,099
ELECTRODE FOR VACUUM DISCHARGE APPARATUS

Lester L. Winter, Lakewood, Ohio, assignor to National Carbon Company, Inc., a corporation of New York

No Drawing. Application April 12, 1946, Serial No. 661,862
2 Claims. (Cl. 250—27.5)

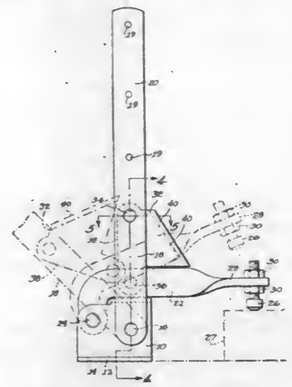
1. In a vacuum discharge apparatus an electrode composed of graphite containing, as an impurity, calcium in a maximum proportion of 0.001%.

2,456,100
TOGGLE CLAMP

Justice W. Wood, Detroit, Mich.

Application June 4, 1945, Serial No. 597,499
1 Claim. (Cl. 144—290)

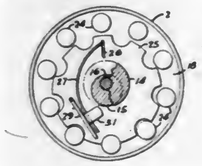
A toggle clamp comprising a base formed of sheet metal and having spaced parallel flanges connected by an integral loop, a clamping arm formed of sheet metal and having one end pivotally connected to said base between said flanges below said loop and extending substantially horizontally over said loop, a clamping head adjustably mounted at the other end of said arm, a handle formed of sheet metal and having one end bifurcated and embracing said flanges, a pivot connecting said end of the handle to said base forwardly of the connection between the base and the clamping arm, a link formed of sheet metal and comprising spaced parallel flanges straddling the clamping arm and connected by an integral loop, a pivot connecting one end of the link to the handle, and a pivot connecting the other end of the link to the clamping arm intermediate its end, said last mentioned loop being recessed from the ends of the link so as to permit free pivoting of the clamping arm and the handle.



2,456,101
HIGH-SPEED COUNTER

Maynard C. Yeasting, Elmore, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application December 10, 1946, Serial No. 715,232
4 Claims. (Cl. 235—136)



1. In a device of the class described, in combination, a lower order indicia bearing drum, an eccentric hub rotating with the drum, a gear carried on the eccentric hub, a higher order indicia bearing drum, internal teeth on the high order indicia bearing drum that mesh with the gear, a cam on the lower order drum, and operatively connected springs one engaging the cam and the other the gear for oscillating the gear as the cam rotates.

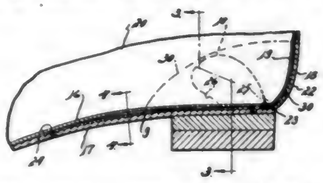
2,456,102
HEEL COUNTER REINFORCEMENT

Joseph Agostinelli, Detroit, Mich.

Application March 29, 1946, Serial No. 658,337
2 Claims. (Cl. 36—68)

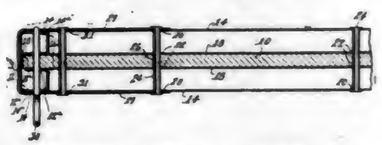
1. A shoe heel counter reenforcement member comprising an elongated rigid body adapted for mounting between the soles of a shoe and extending longitudinally thereof for a portion of the length proceeding forwardly from the heel counter; a reenforcing flap projecting outwardly

from opposite sides of said body at the rear end and lying between the inner and outer layers of



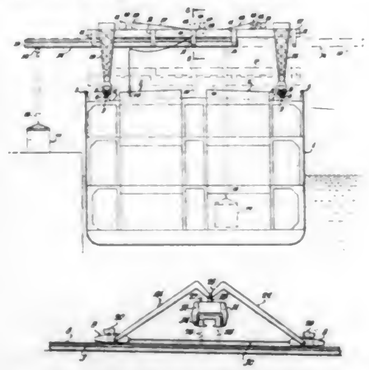
the heel's counter, one of said flaps being of greater height and length than the other.

2,456,103
COLLAPSIBLE BLACKBOARD
Walter Amstutz, Chicago, Ill., assignor to Butler Brothers, Chicago, Ill., a corporation of Illinois
Application October 17, 1946, Serial No. 703,802
3 Claims. (Cl. 35—65)



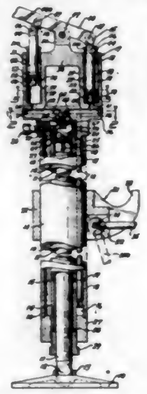
1. A collapsible blackboard comprising a blackboard proper, a frame surrounding said board, the side elements of said frame being tubular in cross section and having inturned flanges between which said board is mounted, supporting legs telescopically mounted in said tubular side elements, said legs each being formed of two parts between which said flanges are positioned, and means for locking said legs at different positions of extension in relation to said side frame elements.

2,456,104
CARGO HOIST
Nils Peter Erik Andersen, Elm Grove, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application October 9, 1944, Serial No. 557,873
2 Claims. (Cl. 214—15)



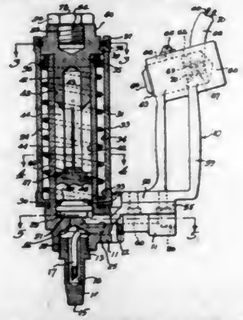
1. In a self-elevating and lowering support for an athwartship cargo hoist trolley way for ships the combination comprising a pair of parallel fore and aft runways mounted on the deck of a ship straddling a hatch, a stationary positive traction means associated with and extending lengthwise in juxtaposition to each of said runways, two self-propelled shear leg supports constituting a pair mounted for fore and aft movement on each of said runways, each of said shear leg supports having positive driving means in positive driving engagement with that stationary positive traction means which is associated with the runway upon which said shear leg support is mounted, a pair of shear legs for each runway, each of said pairs of shear legs being pivotally mounted at the foot ends thereof on respective pairs of shear leg supports, a hoisting trolley supporting girder extending between said shear legs and attached at its opposite ends to said shear legs, and means adapted to cause said shear leg supports to be driven toward and away from one another in pairs to cause elevation and lowering of said girder and adapted to cause said shear leg supports to be driven in a set in unison to impart fore and aft movement to said girder.

2,456,105
HYDRAULIC JACK
Louis Berg, Birmingham, Mich.
Application September 21, 1946, Serial No. 698,522
2 Claims. (Cl. 254—93)



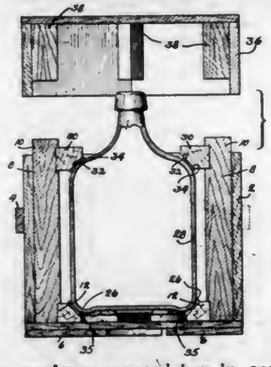
1. A hydraulic jack comprising a base, a piston connected to said base extending upwardly therefrom, a piston head on said piston, a cylinder substantially coextensive of said piston reciprocatingly mounted over said piston, a housing over said cylinder, a pump head on said housing and said cylinder forming a reservoir around said cylinder including an eduction tube extending into the said reservoir to a point substantially at the bottom thereof, a multi-piston pump in said pump head including intake and outlet valves for each pump cylinder between the said reservoir and the said jack cylinder respectively employed to withdraw fluid from said reservoir and force the same into said cylinder above said piston head whereby to raise the said cylinder and housing on said piston with respect to the said base, an independent spring urging each intake valve closed, a rocker washer bridged between the said outlet valves and a common spring acting through said rocker washer urging said outlet valves closed and permitting either one or the other to open, means slidably adjustable along said housing adapted to be removably fixed to the desired position therealong for engaging objects of various heights, and a manually operated lowering valve normally closed which when open permits fluid to flow from said cylinder to said reservoir responsive to weight lifted by said jack.

2,456,106
WELDING GUN
Harry V. Beronius, Detroit, Mich., assignor to Welding Machines Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 28, 1947, Serial No. 731,539
3 Claims. (Cl. 219—4)



1. A welding gun comprising a pair of relatively reciprocable structures connected in series with the welding current circuit, a holder for a welding electrode connected to one of said structures, a fluid pressure motor including relatively reciprocable tubular plunger and cylinder elements operatively connected respectively to said structures for reciprocating said structures relatively to one another to engage the electrode in said electrode holder with the work to be welded, an expansible tubular stem connected to said plunger element and projecting telescopingly into said tubular plunger element, said stem and said plunger being of electrically-conducting material and an auxiliary piston reciprocably mounted in said tubular plunger element in expanding relationship with said stem, one of said structures having a fluid passageway therein communicating with the interior of said tubular plunger and responsive to the supplying of pressure fluid thereto for moving said auxiliary piston into engagement with said stem and expanding said stem into enhanced electrical contact with said plunger.

2,456,107
CARBOY PACKAGE
Oscar Z. Brewer, Spokane, Wash., assignor of one-half to H. H. McNeill Lumber Co., Inc., New York, N. Y., a corporation of New York
Application May 8, 1945, Serial No. 592,575
1 Claim. (Cl. 217—53)

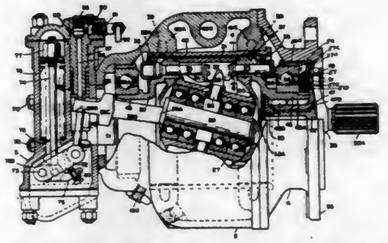


A carboy package comprising in combination a box and a carboy therein, cornerposts for the box rectangular in cross section, cushions abreast of each cornerpost adjacent the bottom and adjacent the top of the box between the cornerpost and carboy, a carrying block for each cushion, each block being provided in its rear face with a vertically extending right-angled slot for the reception of the correspondingly shaped edge of the cornerpost, said slot permitting of placement of the upper blocks after assembly of the box and insertion of the carboy therein, said slot also providing for vertical independent movement of each block and preventing lateral movement of the block, each block having a bevelled face at the side adjacent the carboy to which one of said cushions is secured, the bevel of the blocks at the upper part of the box inclining downwardly and outwardly of the box, and the bevel of the blocks at the lower portion of the box inclining upwardly and outwardly, the bevel for each block terminating short of one extremity of the block.

2,456,108
EMBALMING
Thomas C. Brogan, Jr., Philadelphia, Pa.
No Drawing. Application May 4, 1946, Serial No. 667,469
5 Claims. (Cl. 27—22)

1. In embalming an incised and eviscerated body, the steps which include subjecting the viscera to embalming, pliantly confining the viscera in a fluid tight condition, and positioning the confined viscera within a body cavity, as a form for aiding in returning the body to natural shape.

2,456,109
FLUID PUMP
Cecil C. Buckner, Grosse Pointe Park, Mich.
Application February 28, 1944, Serial No. 524,176
6 Claims. (Cl. 103—162)

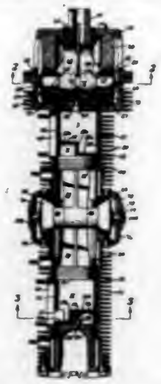


1. A multicylinder fluid pump having a rotor consisting chiefly of a plurality of pairs of axially arranged opposed aligned cylinders having pistons therein, a non-rotatable shaft within said rotor, piston actuating means rotatable upon said shaft in a plane normal to the axis of said shaft, delivery pressure actuated means for tilting said shaft whereby to vary the piston stroke, resilient means resisting said tilting, and a pump housing, said housing comprising a portion enclosing said rotor and a separable portion enclosing said tilting means and said resisting means.

2,456,110
INTERNAL-COMBUSTION ENGINE
Joseph M. Caldwell, Roscoe, Calif.
Application August 17, 1946, Serial No. 691,330
14 Claims. (Cl. 123—50)

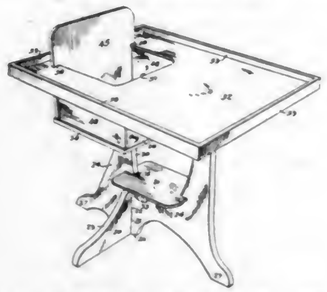
10. An internal combustion engine comprising: a housing having a cylindrical bore, intake, ignition and exhaust ports in the wall of said housing, a sleeve mounted for reciprocal and rotational

movement within the base of said housing, and said sleeve mounted for reciprocal and rotational movement within the bore of said housing, and said sleeve being formed with two diaphragms and having an opening on each side of said diaphragms adapted upon rotation of the sleeve to periodically register with the intake, ignition and exhaust ports, a compression head in each end of said sleeve and supported against reciprocal movement and means for non-reciprocally supporting two compression heads in the central



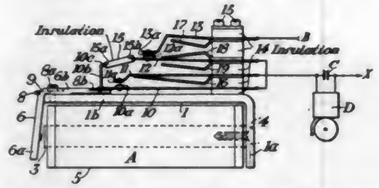
region of said sleeve and cooperating with the diaphragms and sleeve to form combustion chambers whereby successive explosions in the combustion chambers cause reciprocal movement of the sleeve, means for translating such reciprocal movement of said sleeve into simultaneous rotary motion thereof, and a coupling with said means for taking off the torque, said means comprising a stationary cam race formed by complementary cams, and a cam follower operating in said cam race and coupled with said sleeve.

2,456,111
CHILD'S KNOCKDOWN CHAIR AND TABLE
Ballard Creech, Chehalis, Wash.
Application April 1, 1947, Serial No. 738,582
1 Claim. (Cl. 155—124)



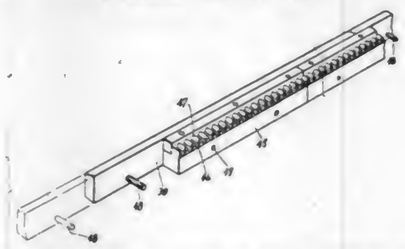
In a knockdown combined chair and table, the combination of a single central vertical plate-like stand, having forward and rearward upwardly extending portions; a vertical brace at right angles to said stand, and means between the upper edge of the brace and lower edge of the stand to maintain said stand in a vertical position; a seat interlocked with said stand, comprising a horizontal seat plate having a transverse downwardly extending plate brace, interlocking means between the lower edge of said plate brace and the upper edge of the rearward portion of said central stand; arms and a back removably doweled together and to the sides and rear of the seat; a table top having a downwardly extending lug near its forward end, interlocking means between the lower edge of said lug and the upper edge of the forward portion of said stand, said table having an opening therein through which the back extends, said table being supported on the upper edges of said arms, notches in the side edges of the opening at the rear thereof receiving the side edges of the back.

2,456,112
ELECTRICAL RELAY
Arthur E. Dodd, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 27, 1945, Serial No. 631,160
4 Claims. (Cl. 200—5)



1. A contact mechanism comprising four superposed contact fingers disposed in parallel spaced relation, two of said fingers being relatively movable and the remaining two fingers being relatively fixed, each said movable finger cooperating with a different one of said fixed fingers to form a switch means, and a toggle link connecting the free ends of said movable fingers, the parts being so proportioned and so adjusted that the inherent resiliency of the one movable finger will cause the switch means including such finger to be normally open and the other switch means to be normally closed and that upon movement of said one movable finger in one direction said normally closed switch means will open with a snap action due to said toggle link but not until after said normally open switch means has closed.

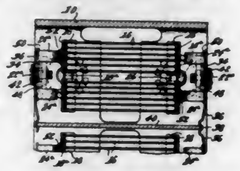
2,456,113
STEP-BY-STEP MOLDING OF EXTENSIVE ARTICLES
John A. Dorner, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 30, 1946, Serial No. 693,943
5 Claims. (Cl. 18—34)



4. Apparatus for forming an extensive conveyor belt article having determinately spaced interlocking teeth along a margin thereof, said apparatus comprising separable mold plates defining a through cavity of uniform cross-section

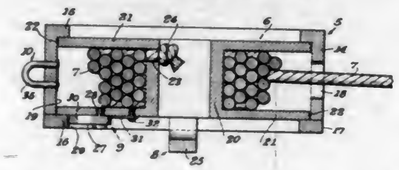
therebetween, said cavity including a bar-receiving groove in one of said plates for interchangeably seating bars for supporting tooth-molding members, a plurality of bars interchangeably fitting said groove and slideable therealong, and projection molding members adapted to be seated on said bars in end-to-end relation for collectively forming a tooth-molding surface, said tooth-forming members being removeably secured to said bars and being adapted to span abutting ends of the bars within the confines of said molding members to connect said bars to each other in series and each tooth-forming member being interchangeably positionable along said series of bars, the means for securing said tooth-forming members to said bars comprising dowels arranged along said bars at uniform intervals with intervals of half said uniform intervals between the dowels nearest the ends of the bars and the corresponding ends of the bars.

2,456,114
CONDENSER STRUCTURE
Karl A. Duerk, Defiance, Ohio, assignor to The American Steel Package Company, Defiance, Ohio, a corporation of Ohio
Application July 20, 1945, Serial No. 606,189
2 Claims. (Cl. 175—41.5)



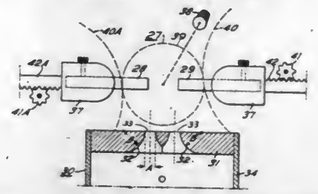
2. Means for mounting the stator assembly of a variable condenser including a split stator, in a frame, comprising a pair of brackets secured to and insulated with relation to said frame, said split stator unit having supporting plates for each stator section connected with the stator plates, and insulation plates extending from the supporting plates of one split stator section to the supporting plates of the other split stator section to support one section in relation to the other, a supporting plate of one split stator section being soldered to one of said brackets, and a supporting plate of the other stator section being soldered to the other bracket, one of said brackets constituting a stationary plate of a trimmer condenser for one of said split stator sections and the other of said brackets constituting a stationary plate of a trimmer condenser for the other of said split stator sections.

2,456,115
CLOTHESLINE REEL
Sidney J. Duhaime and Cornelius V. Butler, Los Angeles, Calif.
Application October 10, 1946, Serial No. 702,558
6 Claims. (Cl. 242—101)



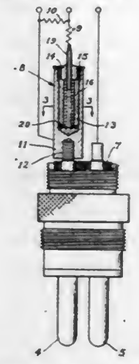
1. A clothesline reel comprising a tubular housing formed with end retaining flanges and having an opening, a spool in said housing having end disc flanges engaged with said end retaining flanges, said end disc flanges having rotational engagement with the inner surface of said tubular housing, and a clothesline wound on said spool and passing through the mentioned opening.

2,456,116
STABILIZED CONTROL GAP FOR SPARK SPECTROSCOPES
John H. Enns, Ann Arbor, Mich., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 13, 1947, Serial No. 747,659
7 Claims. (Cl. 315—111)



1. A control spark gap for spectrographic analysis comprising spaced sparking electrodes, and structure having a passage contoured to minimize turbulence in a stream of gas directed across the spark path between the tips of the electrodes to remove ionized particles from said path in the interval between successive sparks.

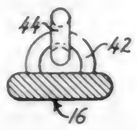
2,456,117
SALINITY METERING SYSTEM
Anton M. Feller, Elizabeth, N. J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Original application May 25, 1945, Serial No. 595,709. Divided and this application September 7, 1946, Serial No. 695,538
4 Claims. (Cl. 175—183)



1. The combination with a conductivity cell comprising an insulating body having heat and current conducting electrodes projecting therefrom for immersion into an electrolyte and at least one electrode having its opposite end also projecting from said insulating body; of a temperature compensating resistor comprising a liquid filled and sealed heat and current conductive body having a central electrode and having means for mounting said body on the last named projecting end of said cell electrode in thermal and electrical contact therewith, and means for

coupling said conductivity cell and said temperature compensating resistor to a metering circuit, said means being connected to said body and said central electrode.

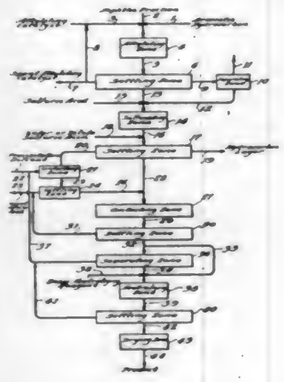
2,456,118
TERMINAL MEMBER
Cyril J. Foster, Chicago, Ill., assignor, by mesne assignments, to Thomas Hawkinson and Harrison Burnett, both of Chicago, Ill., copartners, trading as Crimp Seal Products Co.
Application May 14, 1943, Serial No. 486,933
1 Claim. (Cl. 174—153)



A terminal member and seal for an apertured container housing an electric element comprising a tubular member having an intermediate flange with stem portions extending from either side thereof and having an interior passageway therein, a conductor connected to said electrical element disposed in said passageway one of said stem portions being inserted through said housing aperture, an annular mass of deformable, fluid impervious, electrically insulating material surrounding said one stem portion and disposed intermediate said flange and one side of the housing, an additional annular mass of deformable, fluid impervious, electrically insulating material surrounding said one stem portion and abutting the other side of the housing, the outer end of said one stem portion being deformed outwardly and compressed axially to compress said masses of insulating material into fluid sealing engagement with the aperture defining walls of the housing, the other of said stem portions having an intermediate portion thereof whose opposite wall portions are completely collapsed to form a bond with each other and with said conductor therein sufficiently for hermetically sealing off the interior of said container and also electrically connecting said conductor to said terminal member, the remaining tubular end portion of said last stem having the end of said conductor lying therein, an exterior connecting conductor having an end disposed within said end portion of said last stem alongside of and against said first conductor, the opposite wall portions of said end portion being collapsed to form a bond with each other and with both of said conductors therein.

2,456,119
PRODUCTION OF SURFACE ACTIVE AGENTS
Bernard S. Friedman, Chicago, and George L. Hervert, Berwyn, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 25, 1945, Serial No. 624,562
15 Claims. (Cl. 260—505)

10. A process for the production of surface active agents which comprises treating a naphtha fraction containing olefinic hydrocarbons boiling within the range of from about 160° C. to about 240° C. to remove therefrom condensed-ring aromatic hydrocarbons and nitrogen- and sulfur-containing organic compounds; alkylating a mononuclear aromatic hydrocarbon containing at least two replaceable nuclear hydrogen atoms with the thus treated naphtha fraction; sulfonating at least a portion of the resultant alkylate with sulfuric acid of from about 80 to about 115% concentration to form an aromatic sulfonic acid; separating the resultant sulfonation products into an uppermost hydrocarbon layer, a middle layer comprising said sulfonic acid and dissolved sulfuric acid, and a lowermost layer comprising used sulfuric acid and dissolved sulfonic acid; extracting said lowermost layer with a selective solvent for the sulfonic acid present therein; separating the resultant extract and contacting the same with said middle layer to effect the separation therefrom of a separate layer of said dissolved sulfuric acid which is substantially insoluble in said extract; and separating the resultant solution of sulfonic acid and neutralizing the aromatic sulfonic acid content thereof with a basic reagent to form the corresponding aromatic sulfonic acid salt.



2,456,120
THREAD ADVANCING REEL
William H. Furness, Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 19, 1945, Serial No. 578,599
32 Claims. (Cl. 28—71.6)

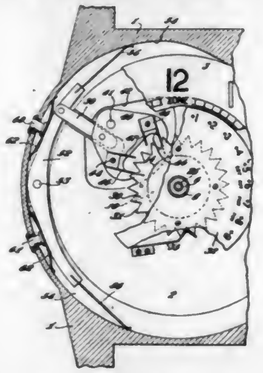


1. A reel for the treatment of yarns and the like comprising a rotatable body portion, means for supporting the same, two concentric sets of longitudinally extending yarn carrying bars carried on said body portion for rocking movement with respect thereto, the bars of one set alternating with bars of the other set, to provide pairs of adjacent bars, one of a pair belonging to one set and the other of the pair to the other set of bars, and means for rocking said pairs of bars about an axis extending longitudinally thereof whereby in one extreme position of rocking movement the yarn is carried by one set of bars and in the opposite extreme position of rocking movement the yarn is carried by the other set of bars while in the middle position the yarn is carried by both sets of bars, and means for longitudinally reciprocating the bars.

2,456,121
FLUX COATING FOR WELDING RODS
Walter Goerg, North Bergen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application April 17, 1946, Serial No. 662,923
1 Claim. (Cl. 219—8)

A welding rod consisting of a metal and a coating adhering to the surface thereof, consisting of boric acid 67.40 to 76.40%, borax 9.00 to 15.70%, sodium silicate 11.20 to 15.70%, alkali metal bichromate 1.10 to 3.40% and sodium alginate 0.90 to 1.10%.

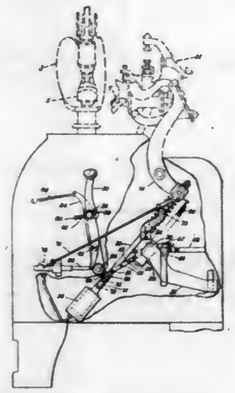
2,456,122
TIME ZONE WATCH
Ira Guilden, Miami Beach, Fla., assignor, by mesne assignments, to The First National Bank of Boston, Boston, Mass., a corporation of the United States of America, as trustee
Application June 5, 1945, Serial No. 597,605
8 Claims. (Cl. 58—43)



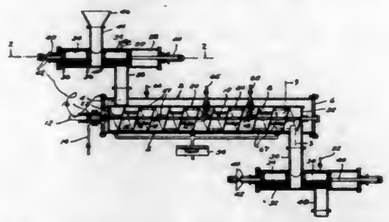
1. In a timepiece of the type having an hour wheel driven by a motor mechanism, an index disk rotatable about an axis concentric with said hour wheel, a slip-clutch connection between said index disk and hour wheel, said slip-clutch being operative normally to drive said index disk synchronously with said hour wheel and to permit said index disk to be advanced relative to said hour wheel, an hour hand carried by said index disk, a rotatable dial having portions containing indicia designating different time zones, and setting means having parts engageable with said index disk and dial for advancing said index disk and dial through predetermined angles, thereby to change the setting of said hour hand by a predetermined time interval and simultaneously set the dial to correspond with the setting of said hour hand.

2,456,123
EDGE FINISHING MACHINE
Thomas William Hart, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 22, 1947, Serial No. 723,588
In Great Britain February 25, 1946
3 Claims. (Cl. 12—17)

3. An edge setting machine comprising an edge setting tool, a shoe support, power-driven means for effecting relative traverse between said tool and the edge of the sole of a shoe on the support, a starting handle for initiating the operation of the power-driven means, means actuated by the starting handle and including a fluid pressure operated piston for moving the tool into engagement with the shoe, a lost-motion connection between the starting handle and said piston, means for vibrating the tool, and a cam mechanism operated by said piston for initiating the operation of said vibrating means, said cam mechanism being constructed and arranged to retain the vibrating means in operation during the movement of parts permitted by the lost-motion connection.



2,456,124
APPARATUS FOR AND METHOD OF TREATING FOOD PRODUCTS
John J. Hoffman, Point Pleasant, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application August 10, 1943, Serial No. 498,045
3 Claims. (Cl. 62—114)

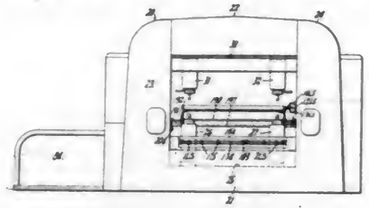


3. The method of freezing pieces of material which comprises passing the material through a chamber, agitating the pieces of material as they pass through the chamber, applying moisture to the pieces of material while they are thus passing through the chamber, and maintaining a sufficiently high vacuum in the chamber to effect freezing as the pieces pass through the chamber.

2,456,125
AUTOMATIC MULTIPLE RIVETER
Wilbur Johndrew, Buffalo, N. Y.
Application July 28, 1942, Serial No. 452,606
20 Claims. (Cl. 78—48)

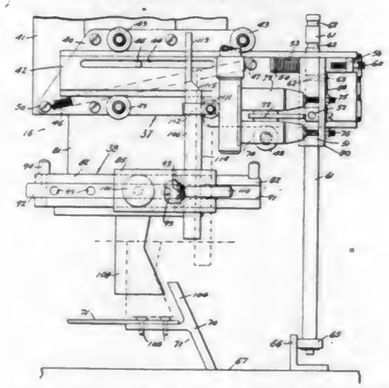
4. A riveting machine, comprising a frame having a work feeding opening therein, means for feeding a workpiece through the opening, upper and lower cooperating units for performing a riveting operation upon the workpiece when the

workpiece is arrested, and station-locating means carried by the workpiece and cooperating with



the feed means for so arresting the latter for such riveting operation.

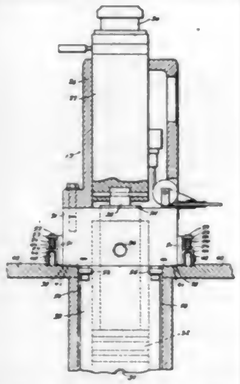
2,456,126
AUXILIARY FEEDING ATTACHMENT
Wilbur Johndrew, Buffalo, N. Y.
Application February 29, 1944, Serial No. 524,423
9 Claims. (Cl. 78—48)



1. In a riveting machine, the combination with the cylinder, the reciprocating ram, the lateral feeding means and the worktable thereof, of an auxiliary feeding attachment comprising a compensating device carried by said cylinder for controlling said feeding means, said device having a stationary mounting plate, a laterally reciprocating bracket carried by said plate, an oscillating arm carried by said plate, a laterally fixed guide member carried by said worktable, said arm having its lower end in engagement with said laterally fixed member, switch means carried by said bracket and actuated by movement of said oscillating arm, said switch means being associated with said feeding means to cause said cylinder and said ram to be moved laterally of said worktable, and means carried by said ram and actuated during the working stroke thereof for causing said feeding means to be operated.

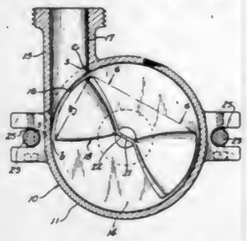
2,456,127
RIVETING MACHINE
Wilbur Johndrew, Buffalo, N. Y.
Original application July 28, 1942, Serial No. 452,606. Divided and this application May 11, 1944, Serial No. 535,026
5 Claims. (Cl. 78—46)

3. A riveting machine, comprising guideways, a riveting unit having a riveting anvil and a support therefor, a mounting unit carried at each side of said riveting unit for substantially counter-balancing the weight of said riveting unit as the same is moved from one to another of a series of riveting stations, each of said units comprising a bracket carried by said riveting unit and formed with a vertical leg and a horizontal leg, anti-friction rollers carried by each vertical leg, spring means for pressing each of said rollers into contact with a horizontally arranged surface of the associated guideway, said spring means being yieldable during riveting operation to provide direct supporting engagement of the riveting unit upon said guideways, guide rollers carried by the



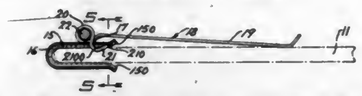
horizontal leg of one of said brackets and engageable with the vertically arranged surface of one of said guideways, a roller plate slidably mounted upon the horizontal leg of the other of said brackets, guide rollers carried by said plate for engagement with the vertical bearing surface of the other guideway, resilient means for urging said plate inwardly to bring the rollers carried thereby in yieldable contact with said bearing surface of the guideway, and means for moving the anvil on the support for riveting operation.

2,456,128
PUMP AND IMPELLER THEREFOR
Joseph S. Kessler, Kenosha, Wis., assignor to Tri-Clover Machine Co., Kenosha, Wis., a corporation of Wisconsin
Application November 15, 1946, Serial No. 709,905
5 Claims. (Cl. 103—103)



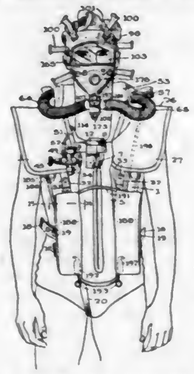
1. A pump comprising a casing having a cylindrical impeller chamber provided with a peripheral outlet opening, an impeller rotatable in said chamber and formed from a relatively flat plate having a central neck portion and having blade portions with diverging side edges reversely twisted about the transverse center line of said neck portion, said center line forming the axis of rotation for the impeller, said blade portions being twisted to such an angle that the width of said impeller measured in a direction parallel to the axis of rotation is substantially equal to the width of said outlet opening of the casing, and so that the projected breadth of the blades near their outer ends and taken at right angles to said impeller width is substantially equal to that dimension of the outlet opening which is at right angles to said outlet opening width.

2,456,129
VISOR DOCUMENT CLIP
Ralph E. Krogh, Detroit, Mich.
Application January 30, 1948, Serial No. 5,441
4 Claims. (Cl. 24—81)



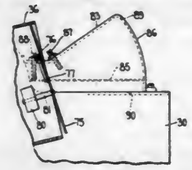
4. A document clip for automobile visors and the like comprising a U-shaped heel plate outwardly flared at its open end having a pair of laterally spaced ribs therein forming interior grooves and having a paid of laterally spaced apertures therein at the base of the said grooves near the flared open end thereof, a spring wire document engaging arm including a pair of laterally coiled spring elements at the inner end thereof, a pin disposed through the said coiled spring elements maintaining the said coiled spring elements in transverse alignment, each coiled spring element including an arcuate anchorage loop at the end thereof disposed substantially parallel to the document engaging arm positioned through the said apertures in the said U-shaped heel plate with the ends of the said loops disposed in the said grooves in contact with the inside of the said U-shaped heel plate whereupon the said document engaging arm assumes a position diagonally across the open end of the said U-shaped heel plate, the said anchorage loops contacting and engaging the automobile visor and anchoring the said document clip thereto when the said heel plate is telescoped over the edge of the said visor and the document engaging arm is sprung against the face of the said visor.

2,456,130
BREATHING APPARATUS
Christian J. Lambertsen, Scotch Plains, N. J.
Application January 31, 1945, Serial No. 575,386
17 Claims. (Cl. 128—142)



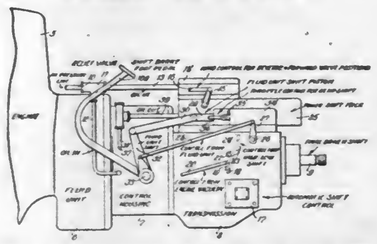
17. Breathing apparatus comprising a breathing bag, a breathing mask, a housing connected to said breathing mask, said housing having a main chamber in communication with the breathing mask and an auxiliary chamber from which oxygen is inhaled and into which exhaled gases pass and from which they are exhausted, a passageway for gas between said main and auxiliary chambers, means for conducting oxygen to be inhaled from said breathing bag to said auxiliary chamber, means for removing carbon dioxide from exhaled gases, means for conducting exhaled gases to said carbon dioxide-removing means, means for conducting exhaled gases from which carbon dioxide has been removed from said carbon dioxide-removing means to said breathing bag, and a manually-operable valve for controlling the flow of gas through said passageway, said valve, when closed, and when the mask is not on the face of a person, preventing the escape of oxygen from said auxiliary chamber.

2,456,131
DRAFT CONTROL MEANS FOR FUEL BURNERS
Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application April 28, 1944, Serial No. 533,119
14 Claims. (Cl. 236—45)



14. A damper comprising a crank arm having two pin or shaft portions with their axes in laterally offset parallel lines, one pin or shaft portion being adapted to be journalled in an air duct with the other portion positioned within the duct to swing around said one portion, a damper swingably connected to and on the other pin or shaft portion so that said damper is movable concentrically and eccentrically about said one portion, and means for rotating said crank arm.

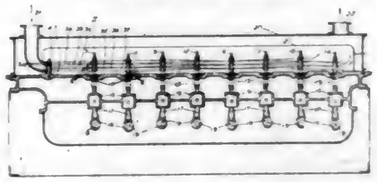
2,456,132
TRANSMISSION
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application July 10, 1943, Serial No. 494,439
21 Claims. (Cl. 74—189.5)



1. In a transmission, a fluid unit including, a stator and a rotor, a shaft driven by said rotor, change speed gearing, an output shaft driven by said shaft through said gearing, synchronizer means for coupling said shafts for direct drive therebetween, a brake mechanism, a clutch op-

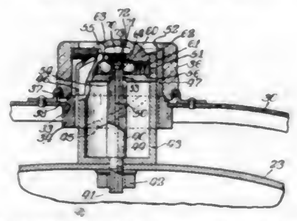
erative to clutch said stator to said first-named shaft to change said unit into a fluid coupling, and actuating means operable in one direction from a neutral position to engage said clutch and operable in the other direction to actuate said brake mechanism for holding said first-named shaft against rotation caused by idling torque of said fluid unit.

2,456,133
PUMP FOR GASEOUS WORKING FLUIDS
Robert Lipscomb, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application February 11, 1944, Serial No. 521,956
In Great Britain February 15, 1943
11 Claims. (Cl. 230—1)



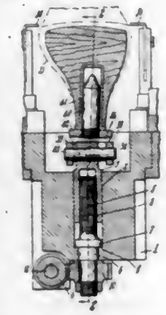
1. A pump comprising a casing, at least one flexible plate therein, rods projecting into the working space of the casing through gas-tight seals, and attached to the plate at intervals throughout its length, means for reciprocating the said rods to cause wave-like deformations to travel unidirectionally along the plate from the one end to the other with points of maximum displacement in the plate in contact with at least one wall of the casing so as to form a pumping space between said plate and said wall, and an inlet to and an outlet from said casing.

2,456,134
PRESSURE COOKER COVER STRUCTURE
Walter C. Lueneburg, Evanston, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application October 1, 1947, Serial No. 777,327
10 Claims. (Cl. 220—25)



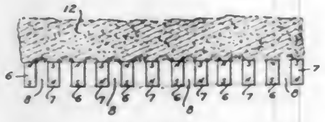
3. In a pressure cooker comprising a receptacle having an elliptical top opening, a cover engageable with the underside of the margin of said opening and movable therethrough when tilted and rotated 90° out of alignment with the opening, a bridge adapted to rest at its ends on the receptacle, a knob mounted over said bridge and rotatably supported thereby and controlling the raising and lowering of the cover into and out of engagement with said margin, and a cover-supporting stem secured at its lower end to the cover and cooperating with said knob to rotate the cover, said stem having a vertical passage communicating at its lower end with the interior of the receptacle and having a lateral opening at its upper end, the combination therewith of a valve-carrying member mounted within said knob, and a spring-pressed ball mounted in said member and seated in said lateral opening to close said passage, said ball being adapted to open said passage to permit escape of steam from the receptacle when a predetermined pressure is reached.

2,456,135
SHOE SUPPORT
Kenneth W. Macdonald, Winchester, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application April 29, 1943, Serial No. 485,007
7 Claims. (Cl. 12—126)



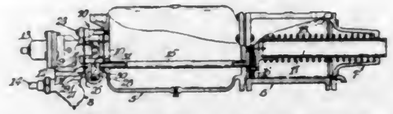
1. A device of the class described, comprising a supporting member, a block pivoted to said member on a substantially horizontal pivot and with freedom of motion between limits axially of said pivot, means for adjusting said block angularly about its pivot, a yoke pivotally supported on said block about an axis transverse to the direction of said block pivot for limited pivotal motion, and a jack pin secured to and projecting upwardly from said yoke.

2,456,136
ART OF SINTERING ORES
Robert L. Manegold, Shorewood, and Ira H. Wynne, Milwaukee, Wis., assignors to Dings Magnetic Separator Co., Milwaukee, Wis., a corporation of Wisconsin
Application April 20, 1945, Serial No. 589,412
3 Claims. (Cl. 75—5)



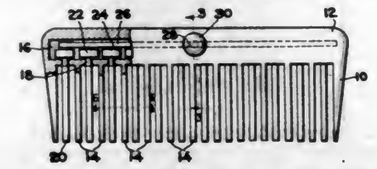
1. The method of sintering a static bed of mixed magnetic ore and fuel particles resting upon a grate having supporting bars spaced apart sufficiently to normally permit particles of the mixture to gravitate freely through the spaces, which comprises, magnetizing and maintaining the bars constantly magnetized with sufficient intensity to cause the magnetic particles to loosely bridge each space with bridges sufficiently dense to prevent particles of the mixture from falling through the spaces, and igniting the fuel particles to sinter the mixture and continuing the sintering operation by passing combustion air and gases through the bed and spaces.

2,456,137
AIR BRAKE APPARATUS
John W. Marsh, Arlington, Va., assignor to Apex Railway Products Co., Chicago, Ill., a corporation of Delaware
Application October 30, 1946, Serial No. 706,656
5 Claims. (Cl. 303—84)



1. Air brake apparatus embodying therein a triple valve having an air port, a brake cylinder spaced therefrom, an auxiliary air reservoir between said valve and said cylinder and operatively connected at one end to said cylinder, means providing a conduit through said reservoir and opening at one end into said cylinder, a member disposed between the other end of said reservoir and said valve and formed for the passage of air therebetween, said member being further formed at its ends with ports for the passage of air between the air port of said valve and said conduit through said reservoir, said member also being formed to provide passageways affording communication between said ports therein and a manually operable valve for closing off the passage of air through one of the passageways in said member without affecting the passage of air through the remainder of said passageways in said member.

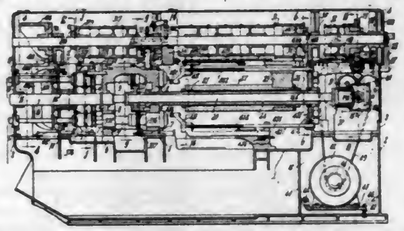
2,456,138
COMB
Costanzo Marini, Leominster, Mass.
Application November 29, 1945, Serial No. 631,656
1 Claim. (Cl. 132—21)



A comb having a back, a chamber therein, a series of fixed teeth extending from the back, a rotatable blade-like tooth between each pair of fixed teeth, an eccentric for each rotatable tooth, said eccentrics being located in the chamber, a bar secured to each eccentric, and means for moving the bar for rotating the eccentrics and therefore the rotatable teeth.

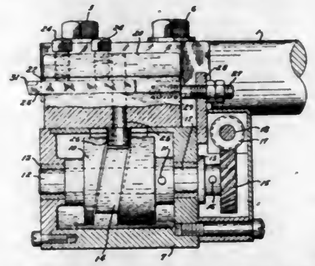
2,456,139
MULTIPLE SPINDLE LATHE
Carroll E. Miller and John M. Ingalls, Windsor, Vt., assignors to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont
Application December 19, 1942, Serial No. 469,516
4 Claims. (Cl. 29—37)

1. In a machine of the class described, work supporting means, tool supporting means, means for relatively moving said supporting means to cause tools on said tool supporting means to perform an operative cycle with respect to work held by said work supporting means, means for driving said moving means selectively at a relatively fast speed in either of two directions and at a relatively slow speed in one direction, a controller for each of said fast speeds and a controller for said slow speed, each of said controllers including a rod movable axially when the corresponding controller is actuated, said rods being arranged in parallel relation, and interlocking connections



between said rods causing actuation of a controller to condition said moving means to move in one direction to insure the inoperative condition of a controller to condition said moving means to move in the reverse direction.

2,456,140
ADJUSTABLE CHAMFERING DEVICE
Siegfried E. Mueller, East Cleveland, Gordon Victor Anderson, Shaker Heights, and Arthur Dacas, Cleveland, Ohio, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application January 17, 1944, Serial No. 518,564
2 Claims. (Cl. 29—57)

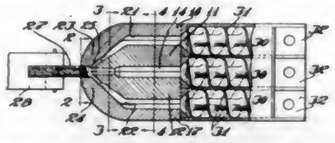


1. An attachment comprising a tool holder having a shank for mounting in an indexible tool turret, a cam carried by said tool holder, a tool slide and tool support slidably carried by said cam housing, manual means for slidably advancing and returning said tool slide and tool in said cam housing toward and away from said work, said means comprising a barrel cam including a barrel with a spiral cam slot therein and rotatably mounted in said cam housing, a roller carried by said tool slide and engaging said cam slot to operatively connect said cam to said tool slide, a hand wheel and an irreversible worm gear drive between the same and said cam for manually rotating said cam in either direction and adjustment stop limiting members carried by said adjusting plate for limiting relative sliding movement of said tool slide in said cam housing.

2,456,141
APPARATUS FOR EXTRUSION MOLDING OF PLASTIC ARTICLES
Simon Myerson, Brookline, Mass.
Application May 6, 1946, Serial No. 667,668
6 Claims. (Cl. 18—12)

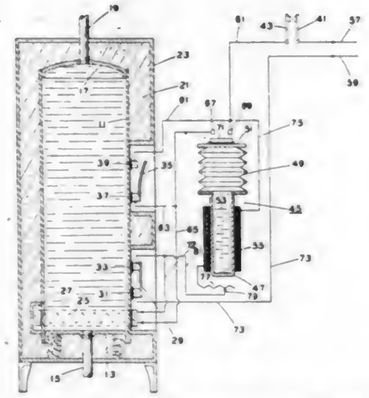
1. Apparatus for moulding a relatively inelastic plastic article from a plurality of substantially

inelastic plastic materials having different characteristics which comprises an extrusion passage terminating in an extrusion orifice, said extrusion passage being formed throughout its length between the adjacent surfaces of a plurality of abutting die members which, upon separation, divide the wall of said passage into fully exposed segments thereby to expose said wall for cleaning throughout its length, a plurality of compression chambers, a plurality of feeder passages, each feeder passage extending from the emission end of a compression chamber to said extrusion pas-



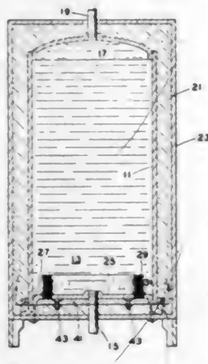
sage, each of said feeder passages being formed throughout its length between the adjacent surfaces of a plurality of abutting die members, which, upon separation, divide the wall of said passage into fully exposed segments, thereby to expose said wall for cleaning throughout its length, means in said compression chambers operative to force the plastic materials from said chambers through said feeder passages, the extrusion passage and the extrusion orifice, and holding means adapted releasably to hold said die member in said assembled relationship.

2,456,142
THERMAL RETARDER
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 24, 1946, Serial No. 692,900
14 Claims. (Cl. 219—39)



1. A water heater control system for a hot water tank comprising an electric heater, said system comprising a first thermally-actuable heater circuit control switch adapted to be in heat-receiving engagement with water in the tank near the lower end thereof and to be in open position when subject to hot water and to be in closed position when subject to cold water, a second thermally-actuable heater circuit control switch adapted to be subject to the temperature of water intermediate the ends of a tank and to be in closed position when subject to cold water and to be in open position when subject to hot water, a thermal retarder heater circuit control switch unit comprising an elongated tubular member, an expansible and contractible bellows secured to one end of said tubular member, fluid in said tubular member, an electric heating coil on said tubular member, a heater circuit control switch adapted to be closed when said bellows has expanded a predetermined amount and an off-peak time-controlled heater circuit switch adapted to be closed during off-peak hours of a twenty-four-hour day, said electric heater being energized immediately upon closure of said time-controlled switch through said first and said second thermally-actuable switches and said time-controlled switch when said tank is full of cold water.

2,456,143
WATER HEATER
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application November 19, 1946, Serial No. 710,776
2 Claims. (Cl. 219—39)

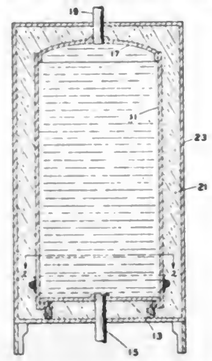


1. In combination, a water tank having in the bottom wall thereof an annular recess of uniform width and depth, a heating element in said recess comprising a sheet-metal resistor and a layer of electric-insulating material wound together into a tight spiral with successive turns in firm contact, and thin metal sheets having electric-insulating layers thereon lining said recess, said wound resistor and metal sheets filling said recess and fitting snugly therein.

2,456,144
WATER HEATER
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application November 30, 1946, Serial No. 713,336
3 Claims. (Cl. 219—39)

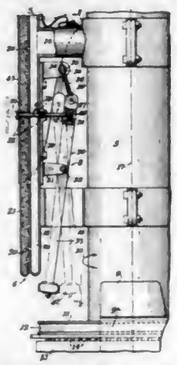
1. An electric heater for a hot water tank comprising a corrugated strip adapted to be mounted against the outside surface of a tank, a relatively thin liner, of substantially semi-circular shape, in contact with the tank, a helically wound metallic resistor member in said corrugation engaging said liner and said corrugation and means for tightly clamping said corrugated strip against the tank and for clamping said metallic resistor member tightly between said corrugated strip and said liner and the outside surface of the

tank, the entire outer surface of said metallic resistor member having thereon an inorganic,



high-temperature-resisting, heat-conducting and electric-insulating coating.

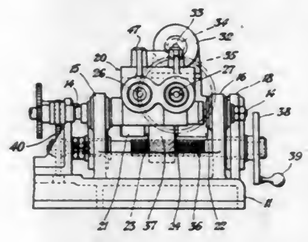
2,456,145
PRESSING MACHINE TAIL CLAMP
Otto H. Pearson, Salt Lake City, Utah, assignor to Louis N. Strike, Salt Lake City, Utah
Original application April 2, 1945, Serial No. 586,053. Divided and this application December 12, 1946, Serial No. 715,687
7 Claims. (Cl. 38—12)



2. Mechanism of the character described comprising a movable buck for receiving a garment to be pressed, a clamp element extending through the buck movable therewith and including a clamping member manually movable to clamp portions of said garment, mechanical means connected to and movable with the clamp element, and stationary means engageable with the mechanical means for effecting release of the clamp member, said mechanical means comprising an over center spring toggle for holding the clamp element in moved position, and said stationary means comprising a cam for operating the toggle to move the clamp member to release position.

2,456,146
CAM PROFILING MACHINE
Charles Perry, Bexley, England, assignor to Vickers-Armstrongs Limited, London, England, a company of Great Britain
Application July 11, 1944, Serial No. 544,414
In Great Britain November 23, 1943
9 Claims. (Cl. 90—13.4)

1. A cam profiling machine of the type described and comprising a cutter-frame provided with a plurality of operative members arranged with their axes parallel to one another, at least one of which members is a rotary cutter and at least one other of which members is a tracing guide member formed as at least a portion of a solid of revolution of the same general shape as the said rotary cutter and being of substantially the same radius as the cutter, the said cutter-frame being associated with a base provided with means for supporting upon a common axis a master cam and a cam blank in such a manner as to render them rotatable simultaneously at the same angular speed, the arrangement being such that the said operative members when in any operative position bridge the said master cam and cam blank respectively so as to be adapted to rest transversely upon them, the parallel axes of the operative members always being in a different plane than said common axis of the master cam and cam blank, the cutter-frame being provided with feeding means adapted to move it axially of the said master cam and the said cam blank, and the cutter frame being also associated with guiding means enabling it

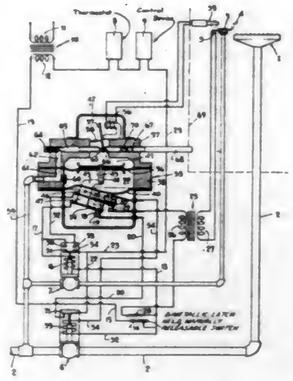


to float to such an extent as to make the said tracing guide member and cutter freely movable in the direction to and from the master cam and cam blank but substantially immovable in all other directions except as moved by the said feeding means, the cutter-frame and the cutter and the tracing guide member being so arranged in relation to the said base and to each other that, when the master cam and cam blank are in situ supported upon the base, by floating motion of the cutter-frame the cutter can be caused to approach the cam blank so as to operate upon it, and the tracing guide member be simultaneously and correspondingly caused to approach the master cam in such a manner that by co-operation between the tracing guide member and the master cam during the operation of the machine the cutter is limited and guided in its approach to the cam blank so that the cam blank is cut to a profile that corresponds to the profile of the master cam.

2,456,147
BURNER CONTROL SYSTEM
William A. Ray, Glendale, Calif., assignor to General Controls Co., a corporation
Application December 5, 1944, Serial No. 566,662
15 Claims. (Cl. 158—117.1)

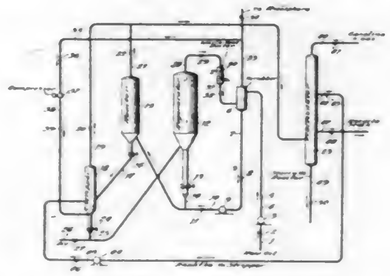
7. In a system of the character described, a fuel burner, fuel supply means for said burner, an electrically operated igniter for the burner, a circuit controller for the igniter, and means for operating said circuit controller, comprising means forming a pressure chamber with a movable wall adapted to be subjected to the fluid pressure of the fuel on both sides, and means responsive to the existence of a flame at the burner

to release the fluid pressure from one side of said wall for causing the fluid pressure of the fuel on



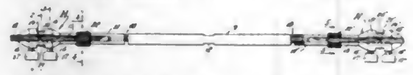
the opposite side to move the wall and thereby de-energize the igniter.

2,456,148
STRIPPING OF SPENT CATALYST IN HYDROCARBON CONVERSION PROCESSES
Davis Read, Jr., Downers Grove, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 25, 1945, Serial No. 595,715
7 Claims. (Cl. 196—52)



2. A hydrocarbon conversion process which comprises subjecting a hydrocarbon charge to conversion conditions in the presence of a solid catalyst in a reaction zone; introducing the resultant conversion products into a fractionation zone and therein separating a naphtha fraction; withdrawing contaminated catalyst from the reaction zone and introducing the same into a separate stripping zone; contacting said naphtha fraction with said contaminated catalyst in said stripping zone to displace high boiling hydrocarbons from the contaminated catalyst; separately withdrawing from said stripping zone the stripped catalyst and the naphtha fraction containing displaced high boiling hydrocarbons; introducing the latter into said fractionation zone without passage thereof through said reaction zone; introducing said stripped catalyst into a regeneration zone and therein removing combustible contaminants from the catalyst; and returning resultant regenerated catalyst to said reaction zone.

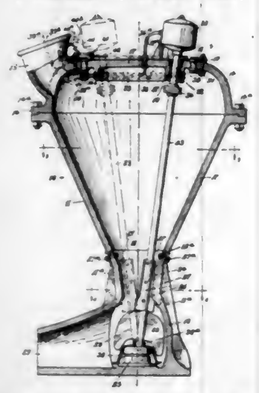
2,456,149
DEVICE FOR SPLICING CABLE
Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application June 28, 1944, Serial No. 542,548
8 Claims. (Cl. 287—75)



1. A device for attachment to a cable comprising an elongated head member having a longitudinally extending laterally open slot therein extending to one end thereof, at least one set screw movable into said slot transversely thereof to clamp a cable therein, and resilient means movable transversely of the slot for retaining a length of cable in said slot in a position to be gripped by said set screw.

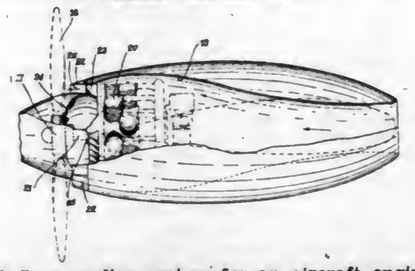
6. A device for splicing a cable comprising a pair of aligned elongated clamping heads having longitudinally extending laterally open slots therein extending to the outer ends thereof, screw means for clamping cables in said slots, resiliently movable means extending transversely into said slots for retaining cables therein while said screw means are tightened, and means of variably adjustable length connecting said heads.

2,456,150
GRINDING APPARATUS WITH UPPER GYRATORY DRIVE
Garold N. Rowley, Fort Pierce, Fla.
Application January 1, 1945, Serial No. 570,903
9 Claims. (Cl. 241—212)



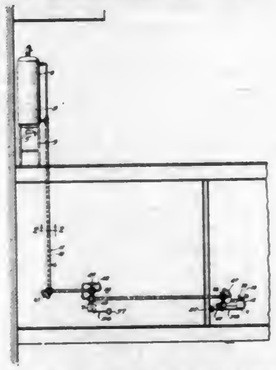
1. An apparatus of the character described comprising a conical hopper, for receiving the material to be acted upon, a convex cover having a central circular opening secured to the open top of said conical hopper, said hopper having a constricted passage adjacent its base, a circular cover plate rotatably mounted in said circular opening, said cover plate having an eccentrically disposed opening, a shaft rotatably mounted in said eccentrically disposed opening and extending into said constricted passage, means for rotating said circular cover, cutting means carried by said shaft and working in said constricted passage, and means carried by said circular cover for axially revolving said shaft, whereby said shaft is revolved and actuated in a conical path adjacent the walls of said hopper, and said cutting means co-acts with the wall of said passage to reduce the material therebetween.

2,456,151
AIRCRAFT ENGINE COOLING SYSTEM
James G. Sawyer, Williamsville, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application March 29, 1943, Serial No. 481,059
3 Claims. (Cl. 123—171)



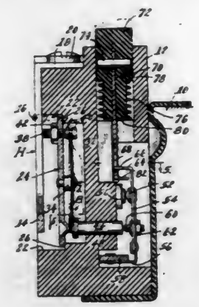
1. In a cooling system for an aircraft engine having heat dissipating means with surface portions to be air cooled; a casing structure for said engine providing an air passageway in which said heat dissipating means is disposed, said passageway having a forwardly directed air inlet section and an annular rearwardly directed air outlet section; a fan disposed rearwardly of said engine and drivably connected thereto, said fan having a streamlined hub portion forming the inner wall of said annular air outlet section and having blades extending from said hub portion across the annular outlet section of said passageway, said fan hub portion extending rearwardly beyond said casing structure to form a substantially streamlined continuation of the outer surface of said casing; and cowl flaps adjustably secured to said casing structure for varying the extent to which the outlet of said passageway is opened.

2,456,152
STERILE DISTRIBUTION AND DRAWOFF SYSTEM
Robert H. Schneider, Madison, Wis., assignor, by mesne assignments, to Air Reduction Company, Incorporated, a corporation of New York
Application July 14, 1944, Serial No. 544,993
6 Claims. (Cl. 21—103)



1. The combination with a building having a plurality of separate compartments formed in the interior thereof, of an apparatus for supplying water in a sterile condition to said compartments, said apparatus including a source of sterile water, at least one draw-off faucet in each of said compartments, a conduit system connecting said faucets to said source of sterile water, and means for maintaining the water in sterile condition while in the conduit system and faucets, said conduit system comprising a plurality of pipe sections, cross fittings connecting the sections one to another, the faucets being connected to certain of the cross fittings, each of said cross fittings having two pairs of aligned openings, the axes through said pairs of aligned openings being arranged at an angle to each other, at least two of the adjacent openings in each cross fitting receiving each an end of a pipe section for connecting such sections, said maintaining means comprising a source of steam associated with said container, and piping extending from the source of steam and through the conduit system to the faucets, the piping being directed from one conduit section into a cross fitting secured thereto and out through the opening in said cross fitting aligned with said one conduit section and then being directed through the second pair of openings in the cross fitting into the other conduit section connected to said cross fitting.

2,456,153
THERMAL CUTOUT
Paul Schell, Elkhart, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application September 18, 1946, Serial No. 697,766
7 Claims. (Cl. 200—122)

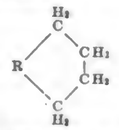


3. In a thermal cutout, a body member having a recess, a mounting plate on a shoulder in said recess, a snap-disc bimetal element mounted in said recess on one side of said mounting plate, thermal cutout contacts opened by said disc element when it is heated to a predetermined degree, an electrical heater for said disc element comprising a semi-circular flat portion extending circumferentially in relation to said disc element and located on the opposite side of said mounting plate, said mounting plate being perforated to permit the radiation of heat from said electrical heater to said disc element, and means to latch said contacts open.

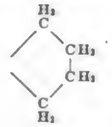
2,456,154
TREATMENT OF RUBBER
Winfield Scott, deceased, late of Akron, Ohio, by Ruth P. Scott, executrix, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application July 2, 1945, Serial No. 602,935
8 Claims. (Cl. 260—810)

1. A method of treating rubber which comprises vulcanizing it in the presence of a dihydro poly-

cyclic p-hydroquinone of condensed ring structure having the formula

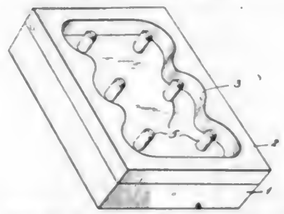


in which R is an aryl radical having the hydroquinone hydroxyl groups attached to the ring adjacent the



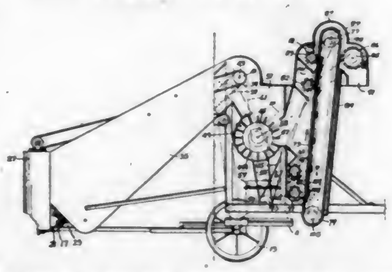
ring.

2,456,155
DEVICE FOR TEACHING THE BLIND
Emily C. Seaman, New York, N. Y.
Application November 15, 1944, Serial No. 563,469
2 Claims. (Cl. 35—38)



1. In a device of the character described, a base member, holes in said base member arranged in a pattern corresponding to the embossings forming the Braille alphabet, and movable pegs fitting the said holes whereby by different arrangements and numbers of said pegs the Braille alphabet may be reproduced, the pegs and the spacing of the perforations being much larger than the embossings and spacings, respectively, of a Braille character when printed in the customary manner.

2,456,156
COTTON CLEANER
William F. Speck, West Memphis, Ark.
Original application October 20, 1944, Serial No. 559,515. Divided and this application May 31, 1946, Serial No. 673,397
3 Claims. (Cl. 19—36)



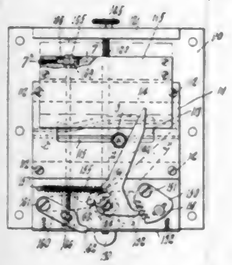
3. Cotton cleaning means including rotary breaker means, an open top housing for said breaker means, said housing having a perforate bottom section for escape of trash and having a portion extending rearwardly from said perforate section to provide a discharge chute, shredder means disposed rearwardly of and lower than said breaker means to receive discharge from said chute, said shredder means projecting rearwardly beyond the discharge end of said chute and including means for effecting shift of material longitudinally, and housing means rearwardly open enclosing the front and lower portions of said shredder means, and open for discharge at one end, an endless carding belt, carried by upper and lower pulleys, positioned and spaced apart to establish substantially upright flights, said belt being disposed rearward of said shredder means with its forward flight in adjacency to said shredder means and spaced from the discharge end of said chute to provide an unobstructed vertical pathway from said chute to said shredder means for material discharged from said chute, rotary combing means disposed in adjacency to the upper end of said forward flight, a rotary brush disposed in contacting adjacency to the rear flight of said belt, and means for driving said breaker, combing and stripper means, said carding belt pulleys and said brush; said driving means being coordinated to drive said shredder means to traverse materials engaged thereby toward the discharge opening of said housing and the forward flight of said carding belt upward.

2,456,157
PROTECTOR FOR THE DOORS OF VEHICLES
Roy W. Tadd, San Gabriel, Calif.
Application September 6, 1947, Serial No. 772,527
8 Claims. (Cl. 293—62)



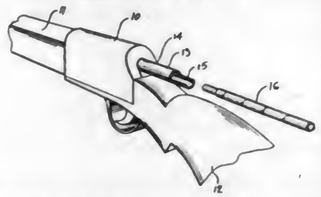
3. A protector for the door of a vehicle, comprising similar sections having hooking engagement with opposite lateral edges of said door, an inner extension on one end of each section adapted to engage the opposite lateral edge faces of said door, fastening screws for said sections passing through said extensions and into the door edge faces, means for connecting the sections, and a bumper unit carried by each section.

2,456,158
TRACER AND AUTOMATIC PATTERN FEED
William L. Tancred, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application April 19, 1945, Serial No. 589,229
8 Claims. (Cl. 90—62)



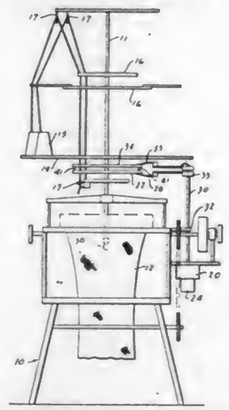
1. In combination, a tracer mechanism comprising a support, a pair of elements one within the other, and each pivoted to said support, a feeler carried by one of said elements, said feeler-carrying element being pivoted to said support closer to said feeler than the pivot of the other of said elements, a pattern having an edge with which a side of said feeler may contact, means for moving said support and pattern relatively under control of said feeler as it is moved relative to said support and to said other element by contact of said pattern against said feeler, a cam associated with said pattern, a follower member carried by said support and extending through said feeler transverse to said feeler side and engaging and moving along said cam as said support and pattern are moved relatively, and means actuated by motion of said follower produced by said cam as said support and pattern are moved relatively for controlling the speed of said moving means.

2,456,159
SHOT CARTRIDGE
Walter A. Tratsch, Chicago, Ill., assignor to Clarence E. Threedy, Chicago, Ill., as trustee
Application October 1, 1945, Serial No. 619,569
1 Claim. (Cl. 124—45)



A cartridge for a pneumatic rifle comprising a tubular member formed of flexible material having a shoulder at one end portion and a tip extending beyond the shoulder, the wall of the tip being relatively thin with respect to the wall of the tube member whereby when shots are projected through the tube said tip will expand to reduce restraining friction between the shots and the wall of the tip.

2,456,160
LIGHT SYSTEM FOR KNITTING MACHINES
Marco Violandi, Brooklyn, N. Y., assignor to Stop-Motion Devices Corp., Brooklyn, N. Y., a corporation of New York
Application April 7, 1948, Serial No. 19,552
3 Claims. (Cl. 66—1)

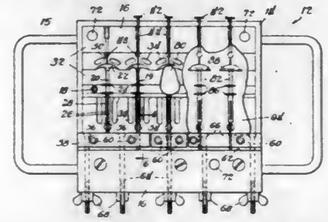


3. The combination with a circular knitting machine having a rotary vertical shaft extending down into the circular material being knitted by said machine, of a pair of conductor rings coaxially mounted on said vertical shaft, a contact arm for each of said conductor rings, a lamp mounted on the bottom portion of said vertical shaft for lighting up the interior of said circular knitted material and electrically connected in series with said conductor rings, and an electric feed circuit for lighting said lamp and connecting said contact arms, said conductor rings, and said lamp in series.

2,456,161
PARAFORMALDEHYDE COMPOSITIONS
Joseph Frederic Walker, Staten Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 29, 1945, Serial No. 613,453
6 Claims. (Cl. 260—611.5)

1. Paraformaldehyde containing, as an agent for controlling and stabilizing polymer reactivity, 0.1% to 10% pentaerythritol.

2,456,162
MOLD
Carl C. Waterbury, Chicago, Ill., assignor to Diaphragm & Chemical Company, Chicago, Ill., a corporation of Illinois
Application March 13, 1946, Serial No. 654,165
5 Claims. (Cl. 18—42)

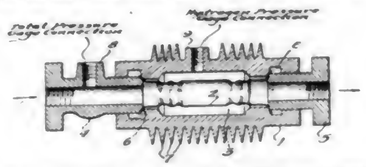


1. A mold comprising, a mold base and a mold cover adapted to be fitted and secured together, the base and cover each having a cavity formed therein and arranged to have their open sides meet when the base and cover are fitted together, the mold being adapted for the reception of a wire having a main body with separated leg portions formed at one end thereof, supporting means for positioning the main body of said wire substantially centrally of the cavities, supporting means for positioning the separated leg portions in spaced substantially parallel relation in and on opposite sides of the central longitudinal axis of said cavities, there being a projection extending from the bottom of each cavity and extending toward the open side thereof and positioned to define separate cavities for the leg portions of the wire when the wire is in position in said cavities, and means for securing the base and cover together.

2,456,163
HYDROGEN METER
Charles C. Watson, Evanston, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 20, 1945, Serial No. 600,553
8 Claims. (Cl. 73—23)

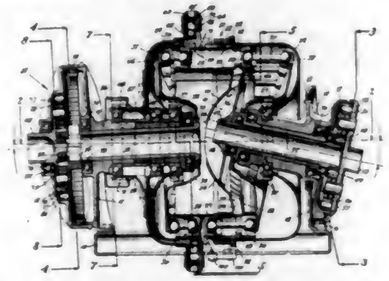
1. An apparatus for measuring hydrogen concentration in a gaseous mixture which comprises a tubular housing having an inlet at one end and an outlet at the opposite end thereof for said

gaseous mixture, cooling means around the exterior of the said housing, a cylindrical and expansible hydrogen permeable sleeve placed concentrically within said housing, said cylindrical sleeve having its ends sealed to the inner wall of



said housing and forming an annular hydrogen receiving space with the wall of said housing, and a nozzle connecting to said hydrogen receiving space suitable for attaching a pressure indicating means.

2,456,164
COMBINED INTERNAL-COMBUSTION AND TURBINE ENGINE
Joseph Youhouse, Fairfield, Conn.
Application April 5, 1944, Serial No. 529,642
19 Claims. (Cl. 60—13)

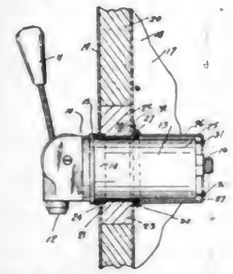


3. A combined internal combustion and turbine engine having a first and a second cooperating turbine blade structure rotatable in opposite directions, each including a plurality of sets of turbine blades; power take-off means for translating said rotatable movements into a unidirectional drive; and means rotatable with said first structure for producing a propelling fluid and directing same against the turbine blades of the second structure, and thereafter against the turbine blades of the first structure and again against the blades of said second structure.

12. A combined internal combustion and turbine engine having two sets of interdigitated cooperating turbine blade structures rotatable in opposite directions, each set comprising a plurality of concentrically disposed annular turbine elements; power take-off means for translating said rotatable movements into a unidirectional drive; internal combustion units rotatable with one of said structures; and means for directing the combustion gases from said units in an annular progression against succeeding portions of each blade structure to drive the same.

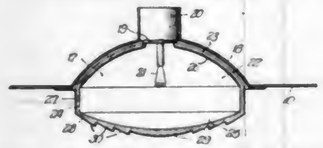
2,456,165
VALVE MOUNTING
Rudolph Yuza, Chicago, Ill., assignor to A. Dalkin Company, Chicago, Ill., a corporation of Illinois
Application March 19, 1945, Serial No. 583,574
2 Claims. (Cl. 137—69)

1. A mounting for a valve structure having an elongated body, comprising a wall having an opening formed therein, a resilient insert in said opening and adapted to embrace the medial portion of said body, a sealing cap having a ring-like recess formed in one end thereof and embracing an end portion of the body, said sealing



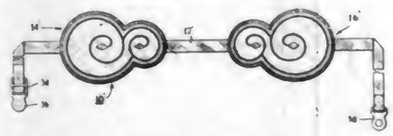
cap including a resilient sealing ring encircling the body adjacent said medial portion and seated in said recess and adapted to bear against said wall adjacent the opening, and means for connecting said cap to said body for bearing said sealing ring against said wall.

2,456,166
ELECTRIC LIGHTING
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application November 8, 1946, Serial No. 708,557
7 Claims. (Cl. 176—34)



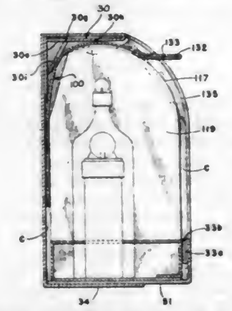
1. An electric light bulb having a base and a housing extending from said base comprising a dome-shaped reflector portion, a lens portion, and an annular diffusing band portion spacing said lens portion from said reflector portion.

2,456,167
HEAD ORNAMENT
Catherine Arkus, New York, N. Y., assignor to Feder Industries, Inc., New York, N. Y., a corporation of New York
Application June 26, 1947, Serial No. 757,155
2 Claims. (Cl. 2—209)



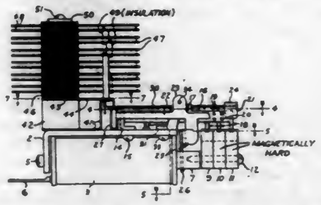
1. A head ornament comprising an elongated limp tape and a pair of earmuffs, each of said earmuffs including a flat outer layer and a flat inner layer, said outer layer being imperforate, said layers being substantially coextensive and superimposed, said layers being secured together adjacent the peripheries thereof so as to leave unattached the central portions thereof, the unattached portions of said layers providing an elongated passageway running through the center of the earmuff and terminating at its opposite ends in openings in the inner layer adjacent the periphery of the earmuff on diametrically opposite sides of the center, said tape extending through said passageway and being slidable axially therethrough over substantially its entire length, whereby the portions of the tape lying within the peripheries of the earmuffs are wholly concealed, and the earmuffs can be slid from positions overlying the ears to positions overlying the hair of a wearer, the centrally disposed edge-to-edge tape portions holding the earmuffs flat against the ears and flat against the head of the wearer in its two positions so that in their second-named position the earmuffs can function as ornaments.

2,456,168
DISPLAY CARTON WITH SLIDING CLOSURE
Albert Behrens, New York, N. Y.
Application October 11, 1946, Serial No. 702,783
8 Claims. (Cl. 206—44)



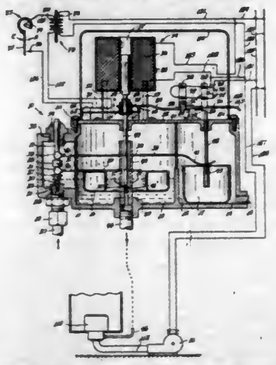
1. A folding box comprising a housing having a front panel, a rear panel, a pair of end panels, all panels being defined by vertical score lines, bottom closure flaps extending from the lower ends of said panels to form a bottom closure, a main top closure flap extending from the top of the front panel and having a horizontal score line at its base as well as a horizontal intermediate score line defining a horizontal body portion and a vertically tucked-in end portion, a pair of auxiliary top closure flaps each one of which extends from a respective end panel and is spaced a distance from said main closure flap, the end panel upper portions between each auxiliary flap and the main closure flap being foldable in an inward pleat defined by diverging score lines having their center at an intermediate point of the respective vertical score lines of the front panel, whereby the upper portion of the front portion is allowed to recede from the plane of the lower portion of the front panel, the front panel having a substantially rectangular display opening defined by a lower tongue portion extending from the bottom side of said opening, said tongue portion being foldable inwardly due to a horizontal base score line and an intermediate horizontal score line, said opening being further defined by an upper complementary tongue portion extending from the top side of said opening and folded inwardly and having a body portion extending horizontally and a terminal portion inclining downwardly and towards the rear panel, said upper tongue portion having struck therefrom a secondary tongue portion extending horizontally rearwardly and in line with said horizontal body portion of the upper tongue portion, a guide structure having a horizontal base portion and a pair of upstanding shank portions and being insertable in said housing whereby the folded lower tongue portion intervenes between the front panel and the base portion of said guide structure, and up and down slideable roll top member for said opening confined in its sliding path inwardly by said guide structure and outwardly by said front panel by said upper tongue portion, and by said rear panel.

2,456,169
ELECTROMAGNETIC COUNTING DEVICE
John I. Bellamy, Brookfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application January 12, 1946, Serial No. 640,797
10 Claims. (Cl. 177—353)



1. In combination, an electromagnet having a winding for receiving series of impulses, a series of armatures for said electromagnet corresponding respectively to the impulses of a received series, means for causing the electromagnet to operate its armatures as it receives the impulses of a series, each such armature responding to its corresponding impulse of the series, a series of members mounted in association respectively with said armatures and corresponding respectively to the impulses of a received series, an actuating bar operatively associated with each said member subject to the corresponding associated armature being operated, and means initially effective following the termination of a received series of impulses for moving said bar, said movement selectively operating said members according to the number of received impulses as indicated by the armatures which have been operated.

2,456,170
LIQUID FUEL BURNER CONTROL
Ashley C. Bennett, St. Louis Park, Minn.
Application October 22, 1942, Serial No. 462,947
18 Claims. (Cl. 158—42.3)



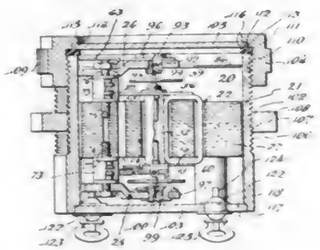
1. In a liquid fuel control for a burner, a casing having a first float chamber, and an overflow float chamber into which liquid flows only when the liquid fuel in said first float chamber rises to an abnormal level, floats in said first float cham-

ber and said overflow float chamber, a first valve means positioned by the float in said first float chamber, a second valve means in series with said first valve means, thermostatically affected means for adjusting the position of said second valve means in accordance with the demand for liquid and continually vibrating the same when said valve means is in an intermediate position, and operative connections between the float in said overflow float chamber and both said first valve means and said second valve means such that upon the liquid fuel rising in said overflow float chamber, both valve means are closed.

15. In combination with a fluid fuel burner having an electrically operated draft controlling means, a valve mechanism for controlling the flow of fuel to said burner and comprising a liquid chamber, means for normally maintaining fluid fuel in said chamber at a constant level, valve means for controlling the flow of fuel from said chamber to said burner, means for adjusting said valve means in accordance with the demand for fuel, and means operative upon the fuel rising in said chamber to an abnormal level to cause said valve means to close completely and cause deenergization of said draft controlling means.

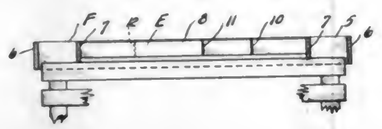
18. In a valve mechanism, valve means biased to closed position, electric motor means tending to cause opening of said valve means, thermal motor means opposing when cold the opening movement of said valve means, means including a device responsive to a first condition for controlling the heating of said thermal motor means to control the position to which said valve means may be opened, and means responsive to a second independent condition for causing the deenergization of said electric motor means upon said second condition assuming a predetermined value.

2,456,171
ELECTRICAL MEASURING INSTRUMENT
Herbert A. Bernreuter, Chicago, Ill., assignor to Simpson Electric Company, Chicago, Ill., a corporation of Illinois
Application March 24, 1945, Serial No. 584,571
13 Claims. (Cl. 171—95)



1. In an electrical instrument, the combination of a magnetic circuit structure including an annular outer magnetic circuit, a partially annular inner core and a radially inwardly extending portion supporting said inner core, said inner core having an opening, said outer circuit including a pair of magnets disposed with polarity opposed on both sides of said inwardly extending portion, a pair of bridge posts of molded plastic insulating material and having threaded metal inserts for securement to said field structure on the upper side of said field structure, and similar bridge posts on the lower side of said field structure, an upper bridge and a lower bridge, both of said bridges comprising a central portion and a pair of radially extending supporting arms carried by said bridge posts, and a moving coil unit having its pintles pivotally supported by said bridges, said moving coil unit including a coil surrounding said inner core portion of the magnetic circuit.

2,456,172
SEED POTATO CUTTER
Walter Burns, Munger, Mich.
Application March 4, 1946, Serial No. 651,685
1 Claim. (Cl. 146—170)



A potato cutter comprising a rectangular frame, additional bars spanning the frame at a point spaced inwardly from the end bars thereof, said additional bars being of less depth than the main frame so that said frame fits over a standard potato crate, a plurality of cutting elements mounted in said frame and arranged in a predetermined pattern between the additional end bars and the side bars, a longitudinally disposed cutting element forming a part of said pattern, transversely disposed cutting elements bridging the side bars of said frame and connected thereto, and to the longitudinal element respectively, to cut the product into six or four segments, and an additional cutting element bridging the space between one side wall of the frame and the longitudinal cutting element for cutting the product into three segments.

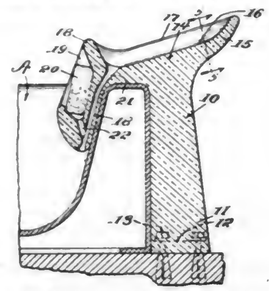
2,456,173
PHOTOCHLORINATION OF ACETYLENE
Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 30, 1945, Serial No. 596,809
6 Claims. (Cl. 204—163)

1. The process which comprises reacting acetylene and chlorine in the liquid phase in a liquid mixture having substantially the composition of about 11 to 60% of tetrachlorethane, about 18 to 60% of pentachlorethane and about 12 to 25% of beta-trichlorethane, under the influence of light from ultraviolet through the visible range at a temperature of about 0 to 80° C., while maintaining the reaction mixture substantially free from oxygen and catalytic substances.

2,456,174
FOOTREST AND DRAINAGE FOR BATHTUBS
Ned Clark, Atlanta, Ga.
Application January 28, 1946, Serial No. 643,885
3 Claims. (Cl. 4—185)

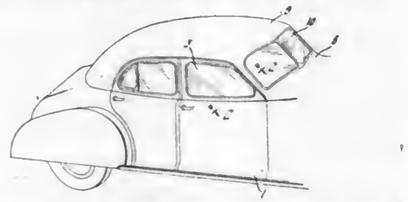
1. A fitting for a bath tub, comprising a post for anchorage next to the tub and rising vertically thereto, a head at the uppermost end of the post and bridging the walling of the said tub, a foot step formed with the head and having drainage into the tub, a soap holder built with the head and

exposed within the said tub, a base for the post and fasteners engaging the base, the step being



inclined in a determined direction and having a cavity conforming to a person's foot.

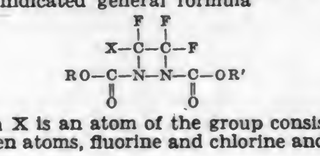
2,456,175
FRONT POST AND WINDSHIELD CONSTRUCTION
Kenneth E. Coppock, Pleasant Ridge, and Glen A. Smith, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 24, 1945, Serial No. 574,344
7 Claims. (Cl. 189—76)



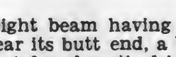
1. In combination, a window frame having a sash supporting ledge of L-section with one leg thereof lying substantially parallel to the plane of the window glass and the other leg extending laterally outwardly, a sash load carrying strip of elastic deformable material covering said lateral leg, a metal sash bounding the edge of the window glass for peripherally seating on said strip and a series of spring clips detachably connected with said sash and extended therefrom with a lateral bridging portion overlying the inner edge of the first mentioned leg of the supporting ledge and terminating in an outwardly projecting spring blade which bears on the rear face of said first mentioned leg.

2,456,176
MONOMERIC ADDITION PRODUCTS OF AZOBISFORMATES AND POLYFLUOROETHYLENES
Richard D. Cramer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 30, 1944, Serial No. 570,759
12 Claims. (Cl. 260—239)

11. A monomeric addition product of the following indicated general formula



wherein X is an atom of the group consisting of hydrogen atoms, fluorine and chlorine and R and R' are the non-hydroxyl portions of saturated aliphatic monohydric primary alcohols containing not more than eight carbon atoms, said addition product being obtained by heating in the substantial absence of a polymerization catalyst at a temperature within the range of from 50° C. to 300° C. an azobisformic acid ester having the general formula ROOC—N=N—COOR' wherein R and R' are defined as aforesaid and a polyfluoroethylene having the general formula

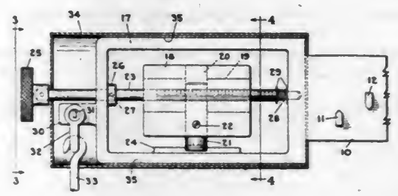


wherein X is defined as aforesaid.

2,456,177
N-ALKYL POLYMERIC AMIC ACIDS AND COATING COMPOSITIONS CONTAINING THEM
Martin E. Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 24, 1946, Serial No. 664,703
5 Claims. (Cl. 260—78)

1. An N-monoalkyl substituted amic acid of the interpolymer of an ethylene-alpha, beta-dicarboxylic acid anhydride and a polymerizable organic compound containing an ethylenic double bond as the sole aliphatic carbon-to-carbon unsaturation, in which from 10 to 90% of the amide nitrogen atoms are attached to a monovalent alkyl substituent having 12 to 18 carbon atoms in the chain, the residual amide nitrogen atoms being attached to a member of the group consisting of a monovalent short chain alkyl substituent of less than seven carbon atoms and hydrogen.

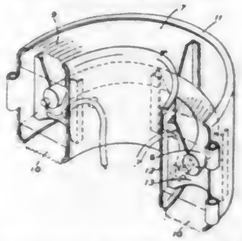
2,456,178
BALANCE WEIGHT ASSEMBLY FOR WEIGHING SCALES
William A. Dimick, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application May 22, 1946, Serial No. 671,611
2 Claims. (Cl. 265—56.5)



2. A weight beam having an opening formed therein near its butt end, a balance weight having horizontal and vertical intersecting passages, said weight being mounted on said beam within said opening, a casing enclosing the butt end of the beam and said balance weight, a threaded shaft for adjusting the position of said weight, said shaft extending through the end of said casing, the end of the beam, and through the horizontal passage in the balance weight, a member removably disposed in said vertical weight passage and projecting outwardly therefrom, said member having a threaded bore to receive said shaft, means on said beam coacting with the projecting end of said member to prevent said member and the weight from turning with the shaft, and means constraining said shaft against movement

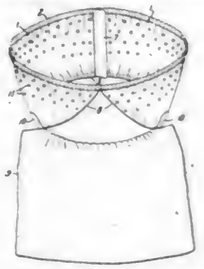
endwise of the beam, comprising a collar fixed to the shaft, and a spring acting on said shaft to maintain said collar against an abutment surface on the beam.

2,456,179
STREET LIGHTING STANDARD
Henry James Finer, Sutton Coldfield, England, assignor to Masts Limited, Birmingham, England, a British company
Application June 10, 1944, Serial No. 539,765
In Great Britain June 12, 1943
3 Claims. (Cl. 240—25)



1. An illuminating device for the exterior surface of a pole, comprising a unit adapted to surround an intermediate portion of a pole, said unit comprising a substantially annular inner sleeve of internal diameter to fit over the outer surface of the pole to which the unit is applied; a substantially annular outer sleeve concentrically disposed with respect to said inner sleeve and spaced outwardly therefrom; radially extending brackets having their ends secured to the said sleeves and maintaining them in concentric, spaced relation, each of said brackets having a notch along its upper edge; and a substantially annular illuminating tube positioned between the sleeves and supported within the said notches in the radially-extending brackets for casting beams of light upwardly and downwardly along the exterior surface of a pole on which said unit is mounted.

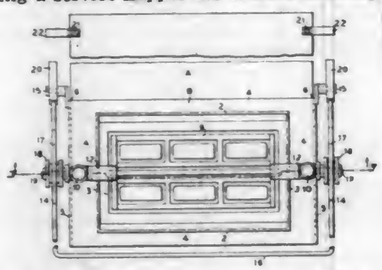
2,456,180
PROTECTION DEVICE FOR HAIR DRIERS
Jane E. Garing, Atlanta, Ga.
Application January 21, 1946, Serial No. 642,497
4 Claims. (Cl. 34—90)



1. A protection device for hair driers, comprising a substantially annular, tubular strip-like body having end portions meeting at the back of the subject's head and provided at its upper and lower edges with means for securing it in embracing relation respectively with a drier and the head of said subject, the end portions of said body which embrace the back of the subject's head below the drier being formed with their edges relatively divergent from one of said securing means to provide an opening normally exposing the back of the subject's head through which opening the condition of dryness of the hair may be examined.

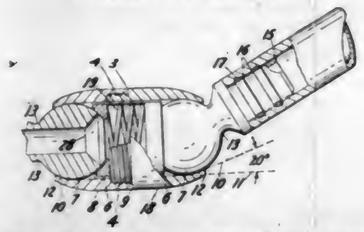
2,456,181
TAMPING DEVICE FOR BLOCK MOLDING MACHINES
Frank C. George, Orlando, Fla., assignor, by mesne assignments, to F. C. George Machine Company, Orlando, Fla., a corporation of Florida
Application February 14, 1947, Serial No. 728,405
5 Claims. (Cl. 25—41)

1. A tamping device of the type described comprising a service hopper for a block molding ma-



chine having a bed, and spaced upstanding guides based upon said hopper, and arranged parallel with each other, and shiftable with the hopper on said bed and a tamping foot having runners formed therewith and slidably mounted on said guides to lead the foot to and from working relation to a mold.

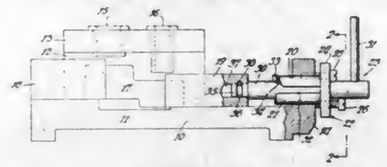
2,456,182
FLEXIBLE JOINT ASSEMBLY
Lawrence E. Goble, Fostoria, Ohio, assignor to The Fostoria Pressed Steel Corporation, Fostoria, Ohio, a corporation of Ohio
Application February 1, 1946, Serial No. 644,922
1 Claim. (Cl. 285—92)



A ball and socket type of flexible joint comprising a stem and therefrom a throat having a spheric enlargement forming a friction face, a cylindrical socket snugly coacting with the enlargement friction face, said socket having at approximately 20° an inwardly tapering seat toward an opening of sufficient diameter to provide clearance at the throat for the stem to flex as much as 45° in a complete orbit, a ring in the socket spaced from the seat by the enlargement, said ring having annular clearance from the socket with a spheric seat complementary to the enlargement face and frictionally coacting therewith, the opposite side of the ring being a flat face, and thrust-effecting means coacting in the socket, including a compression helical spring of diameter approximating the diameter of the ring and co-

acting with the ring flat face to maintain gripping coaction between the ring seat and the enlargement in holding the enlargement at tangential complete peripheral engagement in the tapering seat.

2,456,183
DEVICE FOR CLAMPING AND LOCKING WORK IN JIGS OR FIXTURES
Charles P. Green, Chicago, Ill.
Application June 18, 1945, Serial No. 600,059
2 Claims. (Cl. 81—26)



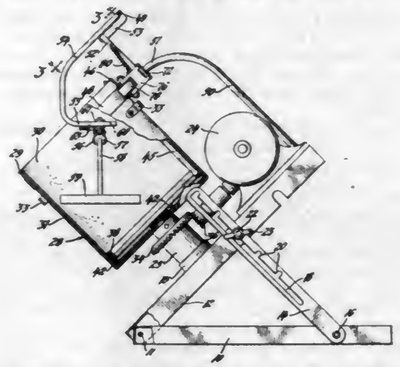
1. In a device of the class described having a stationary abutment against which pieces of work are adapted to be disposed, the combination of a sleeve member and a bolt slidable axially in said sleeve member to clamp a piece of work between said abutment and said bolt, said sleeve member having an inner cylindrical surface, said bolt having an outer cylindrical surface of uniform diameter for sliding movement in bearing relation with said inner cylindrical surface of said sleeve member, said sleeve member having a slot extending axially thereof and an inclined cam face at the end thereof adapted to face said abutment, said bolt having a pin projecting from the side thereof and adapted to be moved through said slot in the axial movement of said bolt in said sleeve member, and said pin being adapted to be engaged with said inclined end cam face upon rotation of said bolt about its axis to provide for disposing of the bolt in different axially advanced positions compensating for variations in the sizes of the pieces of work in the clamping of the latter between said abutment and said bolt.

2,456,184
PURIFICATION OF TETRACHLORETHYLENE
William C. Greenwald, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 17, 1946, Serial No. 662,915
5 Claims. (Cl. 260—654)

1. A method of removing impurities of the class consisting of 1,1,2-trichlorethane and asymmetrical tetrachlorethane from tetrachlorethylene comprising subjecting the impure tetrachlorethylene to an extraction treatment with a liquid which is immiscible with said tetrachlorethylene, said liquid comprising 50 to 95% of methanol and 5 to 50% water by volume.

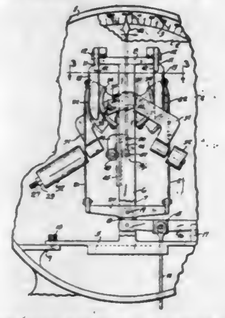
2,456,185
ELECTROPLATING APPARATUS
William L. Grube, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 23, 1944, Serial No. 564,751
4 Claims. (Cl. 204—214)

1. In barrel electroplating apparatus, a base, a frame hinged to the base, means for adjustably holding the frame in any one of a plurality of inclined positions, a tubular boss fixed to said frame, a bearing at the upper portion of said boss, a spindle mounted for rotation in said tubular boss, a plating barrel having plastic inner and outer liners and fixed to the upper end of said spindle for rotation thereby, a gear fixed to said spindle and resting on said bearing, said barrel, spindle and gear being removable as a unit by moving said spindle upwardly out of said tubular boss, a second gear engaging the first gear, an electric motor carried by the hinged frame for driving said second gear, a continuous ring-shaped current conductor carried on the outside cylindrical surface of the barrel, a support carried by said frame, an arm having one end pivoted



to said support, a roller of current conducting material carried by the other end of said arm, a spring connected to said arm at a point between the pivoted end and said roller for biasing said roller into contact with said ring-shaped current conductor, a screen of current conducting material in said barrel adjacent the bottom thereof, a current conductor joining the ring-shaped current conductor and the screen, a hinged-bracket carried by said support having its lower end portion adjacent the top of the barrel, a spring-clip electrically insulated from and carried by the hinged-bracket, an anode, and an anode support having a universal joint connection with the spring-clip.

2,456,186
DIAL SCALE MECHANISM
Guldbrand Guldbrandsen, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application January 11, 1947, Serial No. 721,510
5 Claims. (Cl. 265—61)



5. In a weighing scale, a frame structure having parallel vertical guides, a pair of pendulums, each having a fulcrum sector and a load sector, said fulcrum sectors being arranged in coaxial

relation between said guides, pendulum supporting tapes engaging said fulcrum sectors and adapting them to roll along the inner confronting surfaces of said guides, load tapes connected to said load pendulums, an equalizer bar interconnecting said load tapes, means for transmitting load forces to said equalizer bar, a shaft journalled in said sectors connecting the pendulums together for conjoint translatory movement, and indicator means operatively connected to said shaft and movable responsively to translatory displacement thereof.

2,456,187

PROCESS FOR CATALYTICALLY HYDROGENATING ORGANIC SUBSTANCES

Henri Martin Guinot, Versailles, France, assignor to Les Usines De Melle (Societe Anonyme), Saint-Léger-lès-Melle, France, a company of France

Application June 15, 1945, Serial No. 599,607
In France September 5, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 5, 1961
2 Claims. (Cl. 260—690)

1. In a process for catalytically hydrogenating an organic substance which comprises passing hydrogen through an elongated reaction zone containing a charge of copper oxide and disposed in indirect heat exchange relationship with a heat exchange liquid, for the purpose of reducing copper oxide to copper, and thereafter passing vapours of a hydrogenatable organic substance in admixture with hydrogen through the freshly reduced copper in said elongated zone: the steps of first establishing a flow of an inert gas through said zone, heating said heat exchange liquid to copper oxide reduction temperature while simultaneously maintaining it under such a pressure as to cause said liquid to boil at said temperature, then cutting off heating while maintaining said pressure, and gradually and slowly substituting hydrogen for said inert gas to start and maintain the copper oxide reduction rapidly but evenly and without local overheating until the reduction to copper is completed, then employing the freshly reduced copper in the catalytic hydrogenation of an organic substance by admixing vapours of said hydrogenatable organic substance with said hydrogen at a point upstream with respect to said elongated reaction zone, and continuing the flow of the mixture of gases while simultaneously bringing said heat exchange liquid under such a pressure as to cause said liquid to boil at hydrogenation temperature for said organic substance.

2,456,188

CYANHYDRIN ESTERS

Virgil L. Hansley and John E. Bristol, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 23, 1945, Serial No. 601,320
12 Claims. (Cl. 260—345)

1. The process for the production of a cyanhydrin acetate which comprises reacting a cyanhydrin with acetic anhydride in the presence of triethylamine.

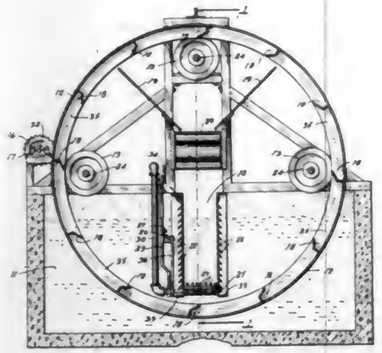
2,456,189

CONTINUOUS SEDIMENT SEPARATOR

Benjamin F. Harbison, Rocky Ford, Colo.

Application July 7, 1945, Serial No. 603,713
2 Claims. (Cl. 209—424)

1. A sugar beet sediment collector comprising: a water containing basin; an imperforate cylindrical drum mounted to rotate partially submerged in said basin; a beet intake flume entering said basin; a beet discharge flume discharging from said basin, said flumes being in alignment with each other at opposite ends of and in axial alignment with said drum; side walls extending through said drum from the sides of the intake flume to the sides of the discharge flume; spaced apart, laterally extending grid



bars extending between said side walls above the bottom side of said drum to allow foreign materials to settle between said grid bars to said drum; an elongated hopper within said drum below the upper side thereof to receive the foreign materials from the ascending side of said drum; a water jet pipe extending horizontally across the basin end of the intake flume with its jets directed upwardly into the incoming flow.

2,456,190

SELF-ADJUSTING GARMENT

Harry S. Heilbronner, Perry, N. Y.

Application February 24, 1947, Serial No. 730,587
1 Claim. (Cl. 2—90)



A self-adjusting garment, comprising a tubular body composed of a main section shaped to extend over the shoulders of the wearer and having sleeves and including substantially V-shaped pendant portions terminating at their lower vertex ends medially of the front and back of the wearer adjacent the waist, and substantially triangular-shaped side sections of elastic-like material disposed between said pendant portions in complementary relation thereto, the vertex ends of said side sections protruding into the underside of and forming part of the arm-width of the companion sleeves adjacent the arm pits and the bases thereof intersecting the lower vertex ends of said pendant portions.

2,456,191

AQUEOUS UREA FORMALDEHYDE RESIN FOR STABILIZING TEXTILES

Philip Stanley Hewett, Royal Oak, Mich., assignor to Reichhold Chemicals, Inc., Detroit, Mich.

No Drawing. Application June 17, 1944, Serial No. 540,883
3 Claims. (Cl. 260—29.4)

1. A process for producing a stable aqueous urea formaldehyde resinous dispersion which comprises combining urea and aqueous formaldehyde as the sole reacting ingredients in the ratio of 1.9–2.1 mols of formaldehyde per mol of urea, by forming an initially alkaline aqueous solution including in addition to the reacting ingredients a buffer and a volatile alkaline catalyst, then gradually heating the mixture and thereby progressively driving off the volatile alkaline catalyst until a pH of slightly above 5 is obtained, thereby controlling the rate of reaction to secure a stable resinous dispersion of uniform molecular weight distribution, and thereupon discontinuing the application of heat and stabilizing the final resinous dispersion.

2,456,192

CONTINUOUS PROCESS FOR THE MANUFACTURE OF SYNTHETIC RESINS

Harold G. Houlton, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

Application September 13, 1943, Serial No. 502,102
6 Claims. (Cl. 260—57)

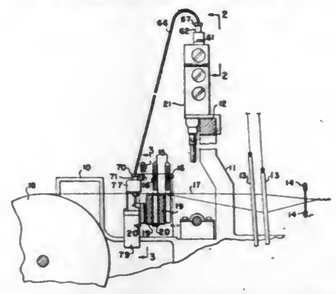
1. The continuous process of making a synthetic resin which includes the steps of continuously and rapidly passing a stream of a mixture of resin forming ingredients comprising formaldehyde and a phenolic body through one zone in the form of a thin confined layer and while in said zone vigorously mechanically agitating the mixture and rapidly heating it uniformly throughout the cross-section thereof to a predetermined temperature of incipient rapid reaction, passing the mixture with agitation through a second zone maintained at a substantially constant temperature and at such a rate that at the terminal of the second zone the reaction has proceeded to a point just short of gelling, maintaining the mixture in both said zones under pressure sufficient to keep all of the constituents of said mixture in liquid form, and then stopping the reaction by discharging the resin to a lower pressure whereby volatilization of volatile ingredients reduces the temperature.

2,456,193

PICK CONTROLLED STOP MOTION FOR LOOMS

Clifton W. Howell and Gilbert L. Elderbaum, Erwin, N. C.

Application February 19, 1947, Serial No. 729,482
4 Claims. (Cl. 139—340)



1. In a loom having a warp stop motion comprising a plurality of drop wires through which the warp strands pass and having means operable by the dropping of a drop wire for stopping the loom, said loom having a pick counter comprising a plurality of counter wheels there being a counter wheel for each different shift of operation and also having a cumulative counter associated with the other counters and being driven continuously regardless of which of the other shift counters are in operation, one of the said counter wheels being rotatably mounted on a counter shaft and being movable by a suitable shaft driven by the pick motion of the loom, said counter shaft having mounted thereon a cam member and means for adjustably securing the cam member to one of the counter wheels to move therewith, said cam having a depression therein defined on one side by a radially disposed surface, a plunger adapted to follow the periphery of said cam and to drop into the depression when the cam passes the lower end of the plunger, said plunger having secured thereto a wire member, said wire member leading to a point adjacent the drop wires, a plunger associated with the drop wires and being connected to the other end of said wire member, a drop member adapted to fall downwardly to engage the stop motion mechanism of the loom, a spring associated with the second plunger and normally tending to move the second plunger to elevated position, both of said plungers and said wire member being movable by said spring to cause the first plunger to move into the recess of said cam and to remove the second plunger from the holding means to allow the drop member to drop downwardly by gravity to stop the loom when a predetermined number of picks have been executed.

2,456,194

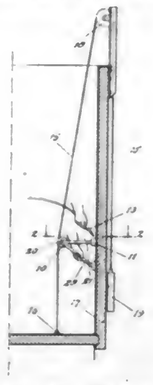
LEAD BURNING

Albert E. Hughes, East Providence, R. I.

Application November 28, 1947, Serial No. 788,590
6 Claims. (Cl. 113—111)

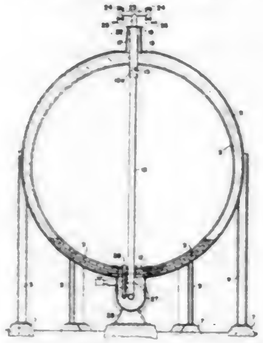
6. In an apparatus for forming a molded joint of lead, or the like, along a vertical wall, the combination of a cable anchored at one end at the bottom of said wall but laterally spaced therefrom, a pulley wheel mounted above the wall, the cable extending from its anchored end upward in spaced relation to the wall and over the pulley wheel, a weight on the free end of the cable for imposing a tension thereon, a mold for forming said joint and movable along the wall,

an arm connected at one end to the mold, a bracing member extending from the arm and engageable with the wall in spaced relation to the mold, and a wheel on the opposite end of the arm and



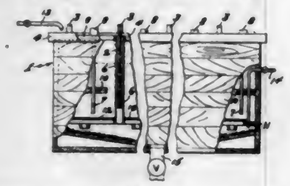
engageable with the cable, said arm and bracing member being of such length that they displace the cable laterally and are held against the wall by the counter force of the tensioned cable.

2,456,195
SPHERICAL TYPE INSULATED CONTAINER FOR LIQUEFIED GASES
James O. Jackson, Crafton, Pa., assignor to Pittsburgh-Des Moines Company, a corporation of Pennsylvania
Application June 4, 1947, Serial No. 752,517
12 Claims. (Cl. 62—1)



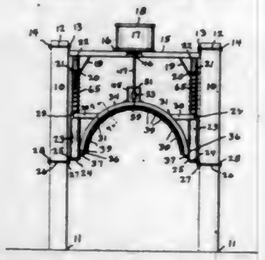
12. In an insulated container of the type utilized for storing liquid at a different temperature from that of the surrounding atmosphere and having inner and outer spaced apart metal shells with a boot-like extension attached to the bottom portion of the outer shell; means supporting the outer shell above the ground, means located between the inner and outer shells for supporting the inner shell from the outer shell, a vertical vapor outlet conduit having an extension thereof projecting above the top of the outer shell; said conduit extending through an opening in the top of the inner shell, through the bottom of the inner shell to which it is secured and through and out of contact with the outer shell and into said boot, a flexible annular diaphragm secured to the top of the outer shell adjacent its center and surrounding and out of contact with said vapor conduit extension, and a hood carried by said diaphragm and surrounding said extension and to the upper end portion of which it is secured.

2,456,196
ELECTROLYTIC CELL FOR RECOVERING MANGANESE
James H. Jacobs, Boulder City, Nev., and Warren H. Yarroll, Provo, Utah, assignors, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va., a corporation of Virginia
Application November 16, 1944, Serial No. 563,692
3 Claims. (Cl. 204—263)



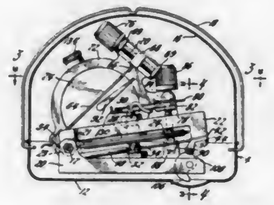
1. An electrolytic cell for recovering manganese, comprising, in combination, a box; a plurality of anode and cathode plates suspended therein with their opposite side edges spaced from the opposite side walls of the box, frames for the anodes carrying solution permeable diaphragms spaced from opposite sides of and completely surrounding each anode, except at its upper and lower ends and providing individual anolyte compartments having open lower ends, all of the cathode plates being located in a common catholyte compartment; a false bottom in the box having openings into which the lower ends of said anode frames project and providing a sludge chamber into which the anodic sludge discharges freely by gravity flow; means to supply feed solution to the catholyte compartment; and a discharge conduit connected to the sludge chamber through which spent anolyte is drained as the feed solution is supplied.

2,456,197
CURRYING MACHINE
Deane L. Jensen, Blair, Nebr., assignor to Farnam Company, Omaha, Nebr., a corporation of Nebraska
Application April 29, 1946, Serial No. 665,706
4 Claims. (Cl. 119—157)



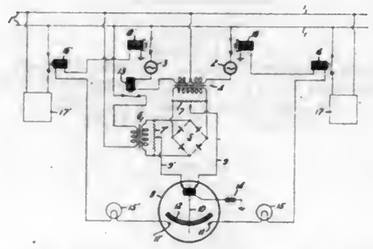
3. A currying machine comprising a vertically positioned frame work including side supports, an arcuate brush holding member including a plurality of brushes attached thereto for contacting an animal's back, springs at either side of said arcuate member bearing against said frame work for resiliently maintaining said arcuate member in normal lower position, said arcuate member having vertical female tubes attached thereto, male tubes received in said female tubes, said springs receiving said male tubes and bearing against said female tubes, an oil containing reservoir resting on the top of the frame work including a pipe extending downwardly and communicating to said brushes, said frame work having an opening for freely receiving said pipe, whereby abutment of an animal against said arcuate member will cause said pipe and reservoir to rise.

2,456,198
CONTROL
Charles F. Kettering and Albert W. Fischer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 7, 1944, Serial No. 529,990
4 Claims. (Cl. 200—83)



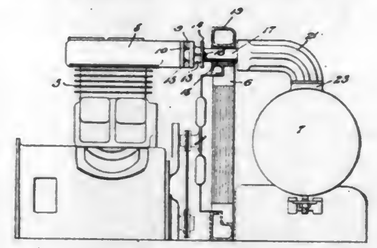
1. In control means, a pivotally movable switch arm, pressure-responsive means for moving said arm about its pivot, a pivotally movable abutment in the path of movement of the arm, timing means for progressively moving the abutment, and a second adjustable abutment in the path of the pivoted arm to limit its extent of movement.

2,456,199
GENERATOR CONTROL SYSTEM
Anthony H. Lamb, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application January 20, 1945, Serial No. 573,667
7 Claims. (Cl. 171—119)



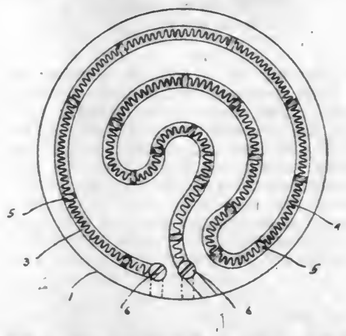
1. In an alternating current system of the type including a pair of generators connected in parallel to a load line, a modulator bridge rectifier having an input circuit energized from said load line, a conjugate input circuit for impressing upon said bridge rectifier a current that varies in sense and magnitude with the departure of the current outputs of said generators from equality, and a direct current measuring circuit connected across said bridge rectifier, said measuring circuit including a zero center current responsive device.

2,456,200
PIPE UNION FOR AIR COMPRESSORS
Ralph E. Lamberton, Worthington, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application May 5, 1944, Serial No. 534,209
2 Claims. (Cl. 230—132)



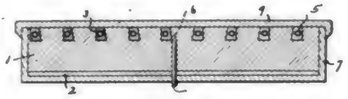
1. In air-compressing apparatus, an engine driven air compressor having low and high pressure stages of air compression, a heat-dissipating radiator through which air discharged from the low pressure stage of said compressor is passed before entering said high pressure stage, said radiator being formed with an outer shell having a transversely extending opening formed therein which is removed from and independent of the paths of air traveling through said radiator from the low to the high pressure stages of said compressor, a compressed air receiver arranged on the opposite side of said radiator as regards said air compressor, and conduit means for transmitting compressed air from the outlet of the high pressure stage of said compressor to said receiver, said conduit means being positioned in the transverse opening of said radiator.

2,456,201
HEATING ELEMENT
Hoard Lee, Houston, Tex.
Application November 3, 1944, Serial No. 561,740
1 Claim. (Cl. 219—37)



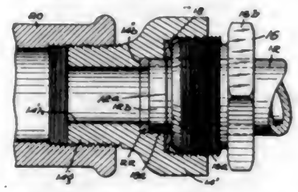
A heating element comprising a metallic body having a sinuous dovetailed groove in one face thereof, dovetailed anchors formed of insulating material spaced apart along said groove, a resistor extending approximately from end to end of the groove and anchored in place by said anchors, a jacket into which the body is fitted said jacket including a plate in contact with the grooved face, and an asbestos coating or covering, securely fastened to the side of unit opposite the grooved side.

2,456,202
HEATING UNIT
Hoard Lee, Houston, Tex.
Application November 26, 1945, Serial No. 630,784
1 Claim. (Cl. 219—37)



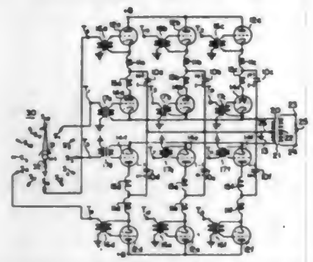
A heating unit comprising, a body formed of metal of poor thermal conductivity and having a sinuous groove in the upper face thereof which extends approximately throughout the area of said face, anchors formed of insulating material spaced apart along said groove, a resistor extending approximately from end to end of the groove and maintained in place by said anchors in spaced relation to the walls of the groove, a jacket into which the body is fitted, said jacket including a continuous flanged plate lying adjacent the resistor, a continuous insulating coating, or covering, on the side of the unit opposite the grooved side, a casing of heat resisting metal enclosing the margins of the body and enclosing the side of the body, opposite the groove, throughout its entire area and in contact with said insulating coating or covering throughout the area thereof, the free margin of the casing being in telescopic relation with the flange of the plate.

2,456,203
COUPLING FOR TUBULAR MEMBERS
Albert J. Loepsinger, Providence, R. I., assignor to Grinnell Corporation, Providence, R. I., a corporation of Delaware
Application August 21, 1943, Serial No. 499,745
2 Claims. (Cl. 285—166)



1. A coupling for a tubular member comprising a body having an opening to receive the member, having means for limiting the movement of the member along the axis of the body and having an internal shoulder within said body extending radially outward from the surface of said tubular member; a continuous dished washer housed within said body, encircling the tubular member, and having its concave side toward the said shoulder with the inner circular edge of said concave side closely adjacent the external surface of the tubular member and with the inner edge of its convex side outstanding from said member; and a hollow nut encircling said member having threaded engagement with said body and having a flat faced end for engaging the said edge of the convex side of the washer; the said washer, upon the nut being screwed into the body, being partially undished and moved outward along the face of said internal shoulder while the said inner edge of the concave side is moved along the tubular member with a shearing action on the surface thereof whereby a dam is formed against the concave surface of the washer, and the tubular member is forced against said limiting means.

2,456,204
INVERTER SYSTEM
Arthur V. Loughren, Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 11, 1946, Serial No. 669,193
14 Claims. (Cl. 175—363)



1. An electrical system for inverting a unidirectional potential to an alternating potential comprising, a plurality of energy-storage devices; charging circuits connecting each of said devices independently of the others to a unidirectional potential source, a plurality of gaseous electric-discharge devices, impedance means for coupling said system to a load, a first and a second group of circuits for discharging each of said storage devices independently of the others to supply pulses of opposite polarity to said impedance means, said circuits of each group individually including one of said storage devices and one of said discharge devices connected in series relation with at least a portion of said impedance means constituting inherent coupling between said groups of circuit, and means for triggering said discharge devices in a predetermined progression, selecting one discharge device from each of said groups in a sequence, each circuit of both of said groups comprising inductance means for providing an oscillatory discharge of the storage device thereof thereby to develop on said storage device a charge which is effective to suppress, during the deionization period of the discharge device included in the particular circuit, the tendency of said coupling between said circuits of said groups to impede deionization of said discharge device of said particular circuit.

2,456,205
SKI POLE
Jesse Magder, Toronto, Ontario, Canada
Application January 8, 1947, Serial No. 720,831
In Canada September 26, 1946
2 Claims. (Cl. 280—11.37)



1. A ski pole comprising, inner and outer tubular members in telescopic relationship, the inner

member constituting the snow-engaging portion of the pole and being provided at its "lower" end with a snow ring, the outer member constituting the handle portion of the pole and being provided on its "upper" end with a hand grip, the "upper" end of the inner member being provided with an axially projecting wedging member, said wedging member having a screw threaded shank portion and an adjoining camming portion facing the "upper" end of the pole, a pin projecting axially from the head and a camming portion on the pin, a pair of complementary jam nuts each having a threaded bore and an inwardly extending shoulder extending into said bore at one end of the nut, the bore of the nuts being engaged by the threaded shank portion at all times, the threaded shank portion on relative rotation in one direction between the outer and inner member being adapted to screw into the bore of the nuts thereby to force the camming portion in an axial direction into engagement with the shoulders of the jam nuts thereby causing said jam nuts to be forced outwardly against the outer member thereby locking the poles against telescopic axial movement, the head being adapted to limit the axial movement of the jam nuts with respect to the wedging member.

2,456,206
SPLASH GUARD
Guy Martinelli and Harry M. McMann, Indianapolis, Ind.; said McMann assignor to said Martinelli
Application April 13, 1946, Serial No. 662,065
3 Claims. (Cl. 36—70)

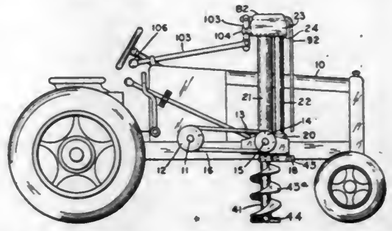


1. An anti-splash device for footwear adapted to be secured to the heel of a shoe and consisting of a tubular sleeve formed of rubber and having a wall curved to conform to the back and sides of a shoe heel and a substantially flat transversely extending front wall joining the front edges of the rear and side walls, the flat front wall conforming to the flat front face of the shoe heel and being transversely resilient to permit fitting of the sleeve on the shoe heel, and an integrally molded splash shield, comprising an annular flange on said sleeve extending around the rear and side walls of the sleeve with the forward ends of said flange extending partially across the front wall of said sleeve to leave a portion of the front wall free of said flange to permit unrestricted lateral stretching of said front wall and provide a splash guard for the front wall of said sleeve.

2,456,207
LIGHTWEIGHT AGGREGATE AND METHOD OF PRODUCING SAME
Walter J. McCoy, Catasauqua, Pa., assignor to Lehigh Portland Cement Company, Allentown, Pa., a corporation of Pennsylvania
Application August 2, 1946, Serial No. 687,903
11 Claims. (Cl. 252—378)

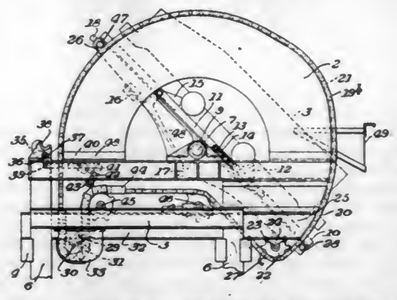
1. A lightweight aggregate suitable for making concrete which comprises discrete particles of expanded vesiculated burned unpulverized slate particles substantially all of which are less than one inch in longest dimension, said discrete particles being substantially free from sharp angular corners and exposed pitted surfaces, said aggregate weighing not substantially more than thirty-five pounds per cubic foot.

2,456,208
POSTHOLE DIGGER
Walter James McGarr, Cordele, Ga.
Application February 14, 1945, Serial No. 577,915
3 Claims. (Cl. 255—22)



1. A hole digger comprising a pair of cylinders, a piston in each cylinder, a shaft connected to one piston and having an end projecting below its cylinder, a boring tool connected to the projecting end of the shaft, a cable for each piston having one end connected to its piston, a horizontal shaft extending over said cylinders, a pulley mounted above each piston and fixed to the horizontal shaft, the other end of each cable being trained in opposite directions on the adjacently disposed pulley and connected thereto, a housing enclosing the pulleys and provided with a fluid chamber for each cylinder and in communication therewith, means for supplying each chamber with fluid under pressure, a valve for controlling the flow of fluid to and from the chambers in alternation in such a manner that when one chamber is exhausting the other chamber is being supplied with fluid.

2,456,209
CAR-DUMPING APPARATUS
Glenn W. Merritt, Bowerston, Ohio, assignor to The Mining Safety Device Company, Bowerston, Ohio, a corporation of Ohio
Application September 30, 1944, Serial No. 556,628
17 Claims. (Cl. 214—47)



10. Car dumping apparatus comprising a frame, a tiltable support thereon, fixed tracks carried thereby for receiving a car to be dumped, hoist chain supporting members alongside said support formed with chain receiving guideways, an endless hoist chain in each of said guideways, trunnions attached to said platform fore and aft, hooks attached to said chains engageable

with said trunnions to tilt the support about a center axis and an end axis respectively to empty the contents of a car and discharge the car from the support respectively, a detent for holding the platform in car receiving position and means attached to one of said chains for actuating said detent.

2,456,210

UNSATURATED ESTERS OF BENZENEDIACETIC ACIDS AND THEIR POLYMERS

Henry C. Miller, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 1, 1946, Serial No. 687,715
19 Claims. (Cl. 260—78.4)

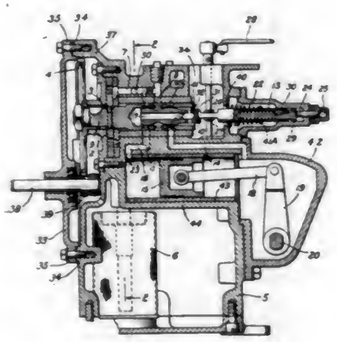
1. A bis ester of a benzenediacetic acid with a monohydric alcohol, containing not more than nine carbon atoms and having an ethylenic double band in alpha, beta position with respect to the carbinol carbon, said alcohol being selected from the group consisting of primary and secondary monohydric alcohols.

2,456,211

FLUID PRESSURE SERVOMOTOR

Romeo M. Nardone, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Original application October 22, 1940, Serial No. 362,271. Divided and this application August 10, 1943, Serial No. 498,123
2 Claims. (Cl. 121—38)



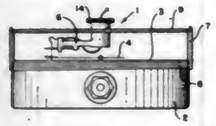
1. The combination, with a servo-motor, of valve mechanism for controlling fluid flow therein, said mechanism including a pair of relatively movable nested valve elements, the inner of which elements is reciprocable and the outer of which elements is rotatable and provided with a plurality of ports communicable with each other in a predetermined paired relation, means carried by said inner element for establishing said paired relation, said inner element having an outward extension, resilient means mounted on said extension, for yieldably holding the inner element in a position with respect to said ports, to render said first-mentioned means ineffective, means for adjusting said resilient means to insure holding said inner element in said position, and means for shifting said inner element in either direction from said position to render said first-mentioned means effective.

2,456,212

REGULATOR

Lawrence M. Patrick, Detroit, Mich., assignor of one-third to Arthur A. Locke and one-third to Raymond F. Ternes, both of Detroit, Mich.

Application May 13, 1946, Serial No. 669,229
9 Claims. (Cl. 200—56)



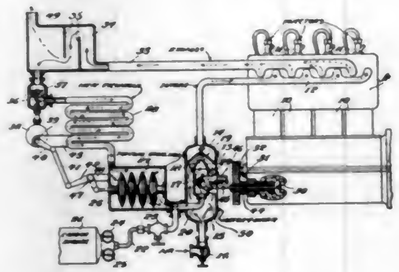
1. In combination with a dial gauge having a pivoted hand, a transparent plate positioned axially of the gauge and in spaced relation with the face of the gauge, an arm pivotally positioned in axial alignment with the pivot of the hand, means joining the arm and extending through the plate, means on the opposite side of the plate for manually moving the arm, a contact member, and a pin mounted on the arm and extending radially of the arm to form a pivot for the contact member, said contact member being movable by the hand for selectively completing an electrical circuit.

2,456,213

DIESEL ENGINE AIR METER

Stanley Pelc, Sharon, Pa.

Application December 28, 1944, Serial No. 570,182
5 Claims. (Cl. 123—119)



1. A metering mechanism of the kind described, comprising a drum forming a metering chamber, means connecting the drum to the intake manifold of a fluid power unit, means for admitting air to the chamber, a flow nozzle within the chamber and having a governor controlled valve therein, a carbon-dioxide container communicating with the nozzle, a pressure regulating enclosure communicating with the nozzle, a pressure regulator within the enclosure, a heat exchanger communicating with the enclosure, and having communication with an exhaust manifold of the power unit, and means controlled by the regulator for the last named communication.

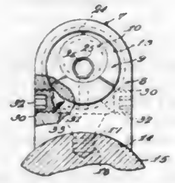
2,456,214

PEEP SIGHT FOR FIREARMS

Bryce Poe, Kansas City, Mo.

Application March 28, 1947, Serial No. 737,863
5 Claims. (Cl. 33—56)

1. In a peep sight of the character described, an outer housing section provided with a longitudinal bore extending therethrough, an outer cylinder rotatably disposed in said bore and detachably contained therein, said outer cylinder having an eccentrically disposed bore extending longitudinally therethrough, an inner cylinder detachably mounted in said outer cylinder bore and rotatably retained therein, said inner cylinder being provided with an eccentrically disposed peep sight bore extending longitudinally therethrough, and said cylinders being rotatable as a



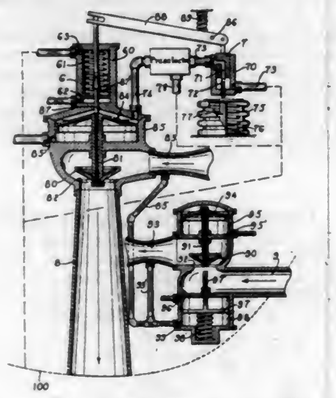
unit or independently of one another for vertically or laterally displacing said peep sight bore relatively to the outer, housing section, said outer cylinder having a slotted end, and means for detachably clamping the outer cylinder to the housing and for contracting its slotted end for clamping the inner cylinder in the bore of said outer cylinder.

2,456,215

PRESSURE-REGULATING CONTROL MECHANISM

Nathan C. Price, Hollywood, Calif., assignor to Boeing Airplane Company, a corporation of Delaware

Original application June 27, 1938, Serial No. 216,028. Divided and this application October 6, 1943, Serial No. 505,201
23 Claims. (Cl. 98—1.5)



1. Mechanism to regulate aircraft cabin pressure, comprising a valve openable for outflow of air from the cabin, spring means biasing said valve to close, servo means operatively connected to open the valve in opposition to said spring means, and control means sensitive to a differential pressure varying in response to variations in the difference of cabin pressure over ambient atmospheric pressure, operatively associated with said servo means and operable to remove the biasing action of said spring means on said valve and to effect actuation of said servo means to exert a valve opening force on said valve automatically in response to an increase in the differential of cabin pressure over ambient atmospheric pressure exceeding a selected value.

2,456,216

CHLORINE-CONTAINING VINYL RESINS STABILIZED WITH A TRI-(2-ALKENYL)-PHOSPHITE AND A 1,2-EPOXY COMPOUND

Henry J. Richter, Glen Ellyn, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 4, 1948, Serial No. 6,342
11 Claims. (Cl. 260—78.5)

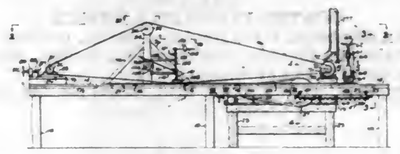
1. A composition of matter comprising a chlorine-containing vinyl resin of 14 to 75% by weight chlorine in which the chlorine is attached directly to the carbon atoms in the polymer chain, from 1 to 6% by weight, based on said resin, of a tri-2-alkenyl) phosphite having 3 to 14 carbons in each alkenyl group, and from 0.1 to 5.0% by weight based on said resin, of a 1,2-epoxy compound having a boiling point above 200° C.

2,456,217

SANDING MACHINE

Linville L. Rothrock, Thomasville, N. C.

Application April 11, 1947, Serial No. 740,924
5 Claims. (Cl. 51—138)



5. In a sanding machine having means for feeding workpieces through the machine and an abrasive belt for engaging the upper surfaces of the workpieces as they pass through the machine, pressure applying means for engaging the lower reach of said abrasive belt for pressing it into contact with the workpieces, comprising a frame pivoted at one end and having a downwardly projecting member pivoted at its upper end in an upper portion of the free end of said pivoted frame, spring means for allowing lateral swinging movement of the pivoted member transversely of the path traveled by the workpieces, a pressure member having its lower surface grooved to conform to the grooves in the workpieces being engaged by the abrasive belt, said pressure member being pivoted to the lower end of the downwardly projecting member and being adapted to engage the upper surface of the lower reach of the abrasive to engage the upper surface of the lower reach of the abrasive belt for forcing the abrasive belt into contact with the workpieces as they travel through the machine, means for applying pressure to the free end of the pivoted frame for in turn applying pressure to the workpiece to force it into contact with the abrasive belt and to force the abrasive belt into contact with the workpieces passing through the machine, and means for latching the pivoted framework in raised position to hold the workpiece out of contact with the abrasive belt.

2,456,218

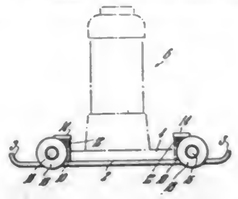
JACK SUPPORT

Kurt F. Semisch, Holyoke, Mass.

Application October 4, 1946, Serial No. 701,149
1 Claim. (Cl. 254—1)

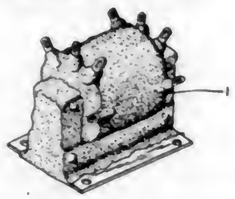
A supporting structure for a lifting jack comprising in combination, a substantially flat rectangular plate for supporting a jack, cylindrical

guides having lower ends secured to said plate at longitudinal marginal sides and adjacent opposite ends thereof and extending upwardly from the plate in parallelism, separate blocks above said plate slidable up and down on said guides, heads provided on upper ends of said guides, com-



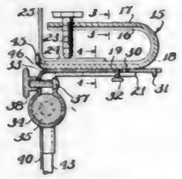
pression springs on said guides above said blocks and below said heads, separate axles secured to each of aid blocks and extending outwardly therefrom with their longitudinal axes disposed horizontally, and supporting wheels journalled on said axles disposed outside the longitudinal marginal edges of said plate.

2,456,219
COATED INDUCTIVE DEVICE
John Shaheen, West Roxbury, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application August 14, 1945, Serial No. 610,851
1 Claim. (Cl. 175—21)



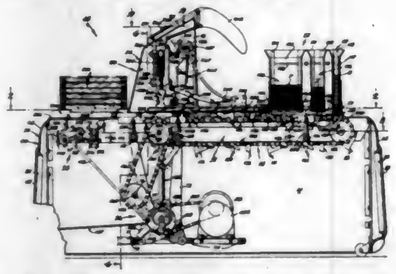
An inductive device comprising a magnetizable core, a coil wound thereon, and a coating of tetraethylene glycol dimethacrylate containing insulating particles impregnating the core and coil to seal it from moisture.

2,456,220
AUTOMOBILE SERVICE TABLE
George I. Shelton and Henry L. Dowell, Athens Tex.
Application January 7, 1947, Serial No. 720,640
3 Claims. (Cl. 311—21)



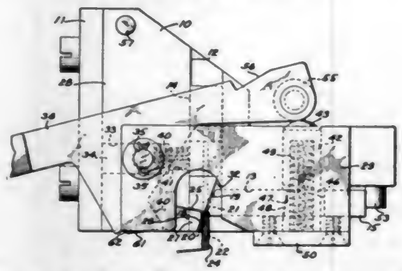
3. A service table comprising a tray having a ball member fixed to one edge thereof, a U-shaped clamp providing upper and lower arms, the upper arm including means for securing the tray to a support, the lower arm of said clamp having inturned parallel guide flanges, a slide member positioned between said guide flanges, a socket on one end of said slide member and adjustably receiving the ball member of the tray, spaced lugs at one end of the flanges and in engagement with one face of the slide member, a depending lip on one end of the slide member, and engageable with the lugs on the guide member for limiting outward movement of the slide member and means for retaining the slide member in an adjusted position in the guide flanges.

2,456,221
NAILING MACHINE
Glenn E. Stilwell, Riverside, and Gerald C. Paxton, Huntington Beach, Calif., assignors to Food Machinery and Chemical Corporation, a corporation of Delaware
Original application December 15, 1941, Serial No. 423,052, now Patent No. 2,378,948, dated June 26, 1945. Divided and this application June 18, 1945, Serial No. 600,138
9 Claims. (Cl. 1—8.1)



1. In a nailing machine, the combination of: two members disposed horizontally and held in adjustable spaced relation; magazine means; work feed means; nailing means; stacking means; each of said magazine means, nailing means and stacking means being partly mounted on one of said members and partly mounted on the other of said members so that the adjustment in the spaced relation of said members adapts all of said means for operation on work of a given dimension; and means for varying the spaced relation of said members.

2,456,222
ARTICLE FORMING APPARATUS
John S. Stull, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 30, 1944, Serial No. 565,915
9 Claims. (Cl. 140—103)



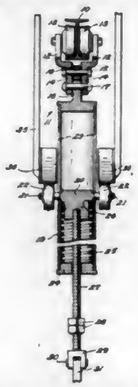
1. An article bending apparatus comprising means for supporting a portion of an article to be bent, a bending member engageable with a free portion of the article to be bent, a pivotal and slidable support for said member effective to guide its movement during the initial bending, and means for bodily moving said pivotal and slidable support and member along a rectilinear path to cause said member to complete the final bending action.

2,456,223
APPARATUS FOR FORMING TERMINAL ENDS OF COILS
John S. Stull, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 22, 1944, Serial No. 569,371
9 Claims. (Cl. 140—103)



7. A bending apparatus for a coil comprising an arbor for receiving a coil having a tangential end, one end of said arbor being cut away to form a substantially semi-cylindrical section, means for bending said end substantially diametrically across said sectional end of said arbor, means movable longitudinally of said coil for preliminarily bending a portion of said diametrically extending end to a position substantially longitudinal of the coil, and means movable substantially perpendicular to the axis of said coil for imparting a final bend to said portion.

2,456,224
OVERHEAD CONVEYER MECHANISM
Norman M. Sullivan, Kent, Ohio
Application September 20, 1945, Serial No. 617,498
6 Claims. (Cl. 198—177)



2. Overhead conveyor mechanism comprising a stationary trackway, a plurality of spaced load-carrying devices movable longitudinally of and suspended from said trackway, each of said devices embodying a rollered trolley supported on and guided by said trackway, flexible power-transmitting means connected with said devices to move the same in unison along said trackway, a cylinder pivotally connected at its upper end with the lower end of each trolley, a cross head slidably supported for vertical movement in said cylinder, said cross head having aligned stud shafts projecting exteriorly of said cylinder through slots provided in the side walls thereof, rollers mounted on said stud shafts, spring means positioned in said cylinder for maintaining said cross head in a normal position therein, a load carrying rod depending from said cross head, means carried by said rod for limiting the movement of said cross head in one direction in response to the action of said spring means, a load holding appliance carried by the lower end of said rod, and cam rails engageable with the rollers on said stud shafts at a predetermined position along said trackway to move automatically said cross head and the rod suspended therefrom vertically of said cylinder and against the resistance of said spring means.

2,456,225
MEANS FOR SECURING A CANVAS TO A FRAME
Carroll E. Thomas, Oakland, Calif.
Application July 24, 1945, Serial No. 606,758
4 Claims. (Cl. 45—130)

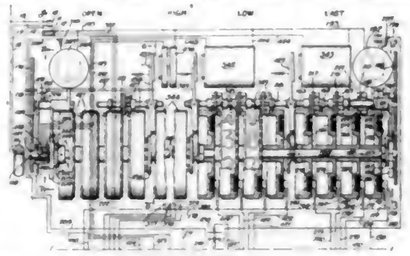


1. In means for securing a sheet to a frame, pairs of opposed elongated angle members substantially L-shaped in cross section arranged for engagement with the sheet where it is extended over the side edges of the frame and also with the rear side of the frame, the said angle members being independently adjustable, and spring clamp means connected to and positioned between the elongated members of each pair, whereby the said members of each pair are urged toward one another to firmly engage with the sheet and clamp it against the edges of the frame.

2,456,226
INFORMATION POSTING BOARD
Warren Thorpe, New York, N. Y.
Application April 18, 1947, Serial No. 742,341
11 Claims. (Cl. 177—353)

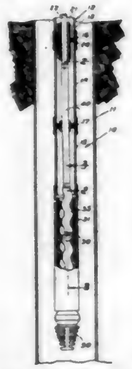
3. In an information posting board, the combination of a group of information display wheels, a control board having a plurality of keys, means including different electrical resistances for each key establishing circuits of distinct electromotive forces depending upon the keys actuated, means including electrical resistances mounted in each wheel, brushes for stepping off different resistances for each wheel depending upon the information displayed by such wheel to establish circuits of distinct electromotive forces, means for initially establishing current in the resistances of said display wheels, and means for thereupon

actuating the display wheels until their electromotive forces coincide with the electromotive



forces of the circuit established by the keys of said control board and after the circuit has been so established by the keys of said control board.

2,456,227
COUPLING STABILIZER FOR MOINEAU PUMPS
John B. Wade, Arcadia, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application September 25, 1945, Serial No. 618,459
7 Claims. (Cl. 103—117)

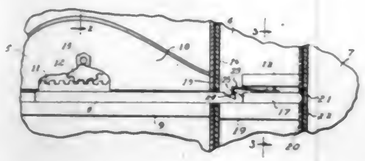


1. In combination: a housing; a stator connected to said housing and having a helical opening; a rotor rotatably disposed in said stator opening and so shaped relative thereto as to gyrate in the opposite direction to that in which it is turned in said stator opening; a shaft journalled in said housing for rotation in alignment with the axis of said stator; a flexible drive coupling, one end of which is connected to said shaft and the other end of which is connected to said rotor; and stabilizing means mounted in said housing and positioned to be engaged by said coupling as the latter rotates in transmitting power between said shaft and said rotor, to confine said coupling against the latter yielding to the action of unbalanced centrifugal forces operating thereon.

2,456,228
METHOD OF DISPERSING A SOLID POLYMERIZATION CATALYST IN A POLYMERIZABLE THERMOSETTING RESIN SIRUP
Welcome I. Weaver, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application December 8, 1943, Serial No. 513,493
4 Claims. (Cl. 260—40)

1. A method of adequately dispersing a solid polymerization catalyst selected from the class consisting of organic peroxides and organic ozonides in a viscous polymerizable thermosetting resin syrup of an unsaturated polyhydric alcohol-polycarboxylic acid polyester having the characteristic of exothermic polymerization that comprises impregnating a filler with not more than enough of a volatile solution of the catalyst to be entirely soaked up by the filler, drying the filler to remove the volatiles and mixing the catalyst-impregnated filler with the viscous syrup.

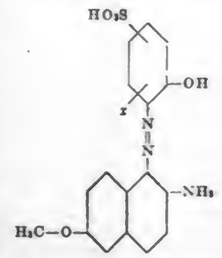
2,456,229
DOOR LOCK
Loren R. Weeks, Coeur d'Alene, Idaho
Application January 14, 1946, Serial No. 641,030
3 Claims. (Cl. 292—33)



1. In a latching arrangement for securing two adjacent vehicle doors separated by a narrow wall portion containing a keeper and the first door containing a bolt for said keeper, and an aligned bolt projectable into an associated keeper in the second door, the improvement which comprises a spring finger on one bo't extending beyond it toward the other bolt, the other bolt having a seat for the spring finger whereby the spring finger when depressed into said seat connects the bolts together for movement as a unit, and a guide member adjacent to the bolt carrying the spring finger, positioned to keep the spring finger depressed except when the bolt carrying the spring finger is withdrawn from its keeper.

2,456,230
CHROMED MONOAZO COMPOUND
Willy Widmer, Bottmingen, Switzerland, assignor to Ciba Limited, a Swiss firm
No Drawing. Application March 9, 1945, Serial No. 581,966. In Switzerland December 2, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 2, 1963
4 Claims. (Cl. 260—151)

1. A complex chromium compound of a monoazo dyestuff of the general formula

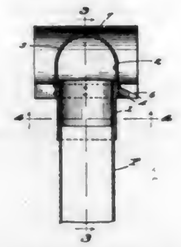


wherein x stands for a member selected from the group consisting of $—SO_3H$ and $—NO_2$.

2,456,231
CHLORINE-CONTAINING VINYL RESINS STABILIZED WITH A TRI-(2-ALKENYL)-PHOSPHITE
Richard H. Wiley, Chapel Hill, N. C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 4, 1948, Serial No. 6,341
11 Claims. (Cl. 260—78.5)

1. A composition of matter comprising a chlorine-containing vinyl resin of 14 to 75% by weight chlorine in which the chlorine is attached directly to the carbon atoms in the polymer chain and from 1 to 6% by weight, based on said resin, of a tri-(2-alkenyl) phosphite having 3 to 14 carbons in each alkenyl group.

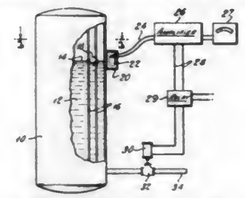
2,456,232
CHIMNEY COWL
Julius E. B. With, Port Townsend, Wash.
Application January 30, 1945, Serial No. 575,270
1 Claim. (Cl. 98—76)



A chimney cowl including a cylindrical sleeve, and upper and lower crossed plates bridging one end of the sleeve and having their top portions bowed upwardly and outwardly from the sleeve, the bowed top portions being disposed at right angles to each other, and having flat depending ends attached at their centers to the sleeve and abutting against each other to define right angles, said abutting portions of the ends cooperating with the sleeve to define substantially triangular flues extending upwardly between said ends and the sleeve, said flues being open at both ends and both plates overlying said flues, said upper plate having oppositely bulged side portions projecting beyond the flue at the opposed edges of the lower plate, the top portions of the plates being spaced apart, the width of the lower plate being substantially equal to the diameter of the sleeve and the width of the upper plate being greater than the diameter of the sleeve.

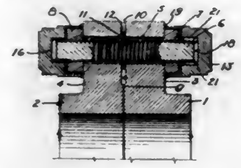
2,456,233
LIQUID LEVEL MEASUREMENT AND CONTROL
Alexander Wolf, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 26, 1944, Serial No. 551,369
19 Claims. (Cl. 250—83)

1. A device for determining the level of a liquid in a container having a vertical wall comprising a member adapted to float upon said liquid, means for guiding movement of said float member to a substantially vertical path, a source of penetrative radiation within said float, a radiation detector adapted to be moved substantially vertically along the outer surface of said wall, and means responsive to the output of said detecting



means for indicating when said float member is substantially opposite said detecting means.

2,456,234
BOLT PROTECTOR
Farrile S. Young, Kansas City, Mo., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo., a corporation of Delaware
Application June 20, 1945, Serial No. 600,529
1 Claim. (Cl. 285—130)

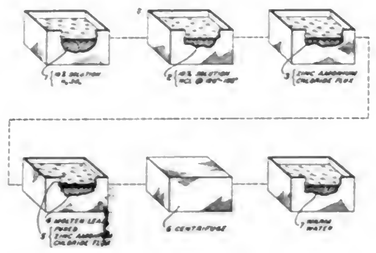


A device of the character described comprising, pipe sections having spaced flanges provided with openings, threaded bolts adapted to engage in said openings, said bolts being smaller than said openings, a compressible sealing material adapted to encircle said bolts between said flanges to form a seal of the openings around said bolts and said flanges, a ring surrounding said compressible material for retaining said compressible sealing material in place, nuts to hold the flanges together and compress the sealing material between the flanges, caps having a lubricant therein for enclosing the nuts on the ends of the bolts, rings having sealing engagement with the outer surfaces of the flanges and said caps and forming closed chambers around the ends of the threaded bolts outwardly of said compressible sealing material between said flanges, and grooves in the threaded bolts to permit movement of lubricant from the caps through the nuts and around said threaded bolts in the respective chambers, said compressible sealing material entering the grooves in said bolts between the flanges upon tightening of said nuts.

2,456,235
METHOD OF LEAD COATING FERROUS ARTICLES
William Yonkman, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1942, Serial No. 467,961
2 Claims. (Cl. 117—51)

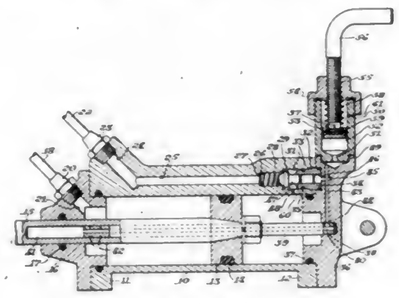
2. The process of applying a protective coating to ferrous metal articles which comprises cleaning the articles in a hydrochloric acid solution, dipping the articles in a zinc ammonium chloride fluxing bath, dipping the articles without drying them into a lead bath containing from one to six percent of antimony, maintaining on the surface of said lead bath a flux comprising a layer of zinc ammonium chloride at least one-eighth inch

thick, maintaining said lead bath at a temperature of between 670° and 690° F., aging said lead bath for approximately forty-eight hours before



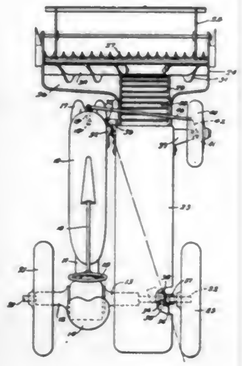
using it, and maintaining the articles wet with the zinc ammonium chloride during their transference to the lead bath.

2,456,236
HYDRAULIC CYLINDER AND PISTON DEVICE
Russel D. Acton, Chicago, Ill.
Application June 20, 1947, Serial No. 755,993
9 Claims. (Cl. 121—38)



1. A stop mechanism for an expansible fluid-pressure operated device comprising in combination with a cylinder and a piston mounted for reciprocation therein, a piston rod connected to the piston and extending through one end of the cylinder, a conduit for supplying fluid under pressure to said end of the cylinder, a fluid conduit communicating with the other end of the cylinder, valve means positioned to control fluid flow through said conduit, resilient means for urging said valve means to open position, a plunger chamber, a plunger mounted in said chamber engageable with the valve means and operable under fluid pressure against the plunger to overcome the resilient means and to seat the valve thereby blocking the conduit against the flow of liquid, a bore formed in the piston rod, a displacer piston secured to the cylinder and extending into said bore, conduit means formed in the piston, an auxiliary displacement cylinder, an auxiliary piston mounted therein, communicating fluid conduits connecting said cylinder to the plunger chamber and the conduit means in the displacer piston, stop means against which said auxiliary piston abuts at a predetermined point in its stroke as fluid is delivered from the piston rod bore to the auxiliary cylinder whereby pressure is built up to operate on the valve operating plunger and to close the valve means, and means to manually adjust the position of said abutment.

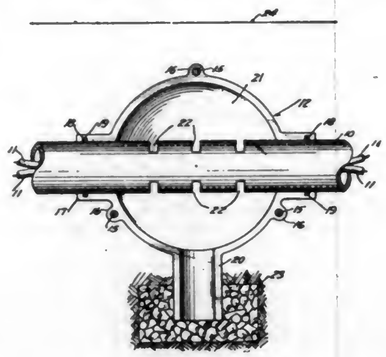
2,456,237
TRACTOR MOUNTED IMPLEMENT
Russel D. Acton, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 19, 1945, Serial No. 578,613
10 Claims. (Cl. 56—23)



1. An implement attaching structure for tractors having a narrow longitudinally extending body, a narrow steerable support at the front of said body, an extended rear axle structure at one side of the tractor and a wheel on said structure spaced from the body to provide a space of substantial width for the positioning of implements and in combination therewith, an implement structure arranged alongside the tractor in said space, means for pivotally supporting said structure at opposite sides thereof at two longitudinally spaced points, one on the narrow body of the tractor at the front thereof and the other on the extended axle structure adjacent the wheel thereon, the axes of said pivotal supports being coaxially arranged on an axis extending rearwardly and outwardly from the front of the tractor to the rear, whereby the portion of the weight of the implement carried by the tractor is supported at the front substantially on the narrow steerable front support and at the rear adjacent the widely spaced wheel which carries a minimum portion of the tractor weight, and a supporting wheel mounted on said implement structure at the side opposite the tractor body.

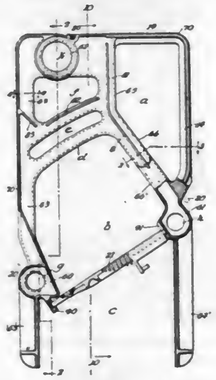
2,456,238
MEANS FOR ENTRAPPING CONDENSATION
Arthur O. Ackerman, Fullerton, Calif.
Application September 15, 1944, Serial No. 554,301
3 Claims. (Cl. 138—25)

2. A combined conduit and condensing unit, comprising a spherical shell, openings in the opposite sides of said shell lying along the equatorial center thereof, a conduit extending through the shell and through said openings, fluid sealing means between the walls of said openings and the conduit, drain vents through the walls of the conduit along the area within the shell, and a drain spout carrying accumulated condensate away from



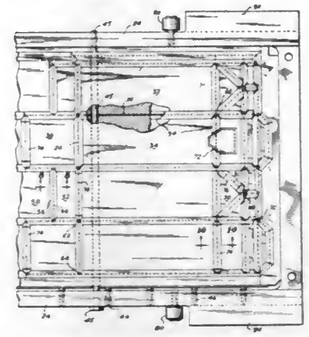
the interior of the spherical shell for drawing off surface condensation from within the shell.

2,456,239
SECTIONAL TYPE BOILER
William S. Anderson, Jr., Williamsport, Pa., assignor to Avco Manufacturing Corporation, a corporation of Delaware
Application April 2, 1945, Serial No. 586,086
10 Claims. (Cl. 122—225)



1. In a boiler of sectional magazine feed type with a firebox having an inclined grate extending transversely across the box, a boiler-section comprising walls forming sections of water conduits at the sides, respectively, one of said conduit sections being disposed substantially higher than the other and at one side of the upper end of the grate; side-legs of web-formation between the conduit sections and the base of the boiler section; a water leg extending upwardly from the lower conduit section; a fuel magazine section having an outer side of web-formation, an inclined lower portion at its inner side with a throat for fuel between said inclined portion, and a water leg extending directly between said inclined portion and the higher water conduit section; and a longitudinal flue section at the opposite side of the magazine having an upwardly and inwardly inclined bottom, the inner side of the fuel magazine and the flue sections having water chambers therein.

2,456,240
CHASE DIE ASSEMBLY
Frederick Auer, Teaneck, N. J., assignor to Champlain Company, Inc., Bloomfield, N. J., a corporation of New York
Application June 22, 1946, Serial No. 678,613
24 Claims. (Cl. 164—29)

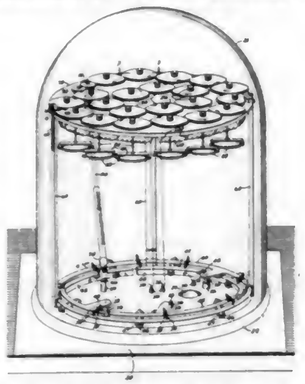


24. In combination, a press bolster or platen, a chase die having make-ready means accessible from the back of the die, and guide means to facilitate moving the chase die into or out of the bolster for make-ready adjustment, said die comprising a chase frame, rules, furniture supporting said rules within said frame, said furniture having peripheral lands at the top, a hold-down plate, back-up strips between the backs of the rules and the hold-down plate, said back-up strips having a thickness less than the depth of the lands receiving the same, and being so shaped at intersections of the rules that each rule may be supported throughout its length by a back-up strip, and make-ready shims disposed between one or more of the back-up strips and the hold-down plate in order to determine the relative height of the rules, said guide means including rollers at the sides of the die, rails secured to the bolster on which rails said rollers may be run, ears on the chase frame, gibs releasably secured to the bolster, and adjustable stops for locating the position of the die relative to the bolster when the die is returned after having been rolled out of the bolster for make-ready adjustment.

2,456,241
METHOD OF MAKING OPTICAL TRANSMISSION FILTERS BY THERMAL EVAPORATION
Meyer H. Axler, Corona, and Kenneth F. Tripp, Tuckahoe, N. Y., assignors to Farrand Optical Co., Inc., a corporation of New York
Application November 22, 1946, Serial No. 711,562
8 Claims. (Cl. 117—71)

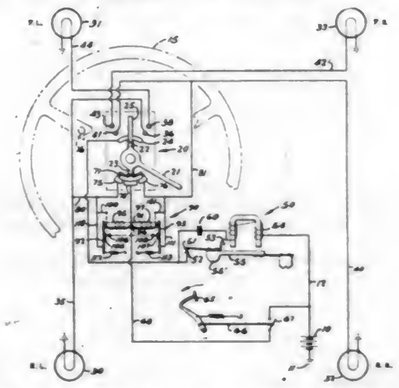
6. In the manufacture of optical filters having predetermined transmission characteristics and comprising a smooth surfaced support bearing two discrete semi-transparent metallic layers separated by a continuous layer of a metallic fluoride having a uniform optical thickness substantially equal to a small odd number of quarter wave lengths for light of a wave length to be transmitted by the filter, the method comprising the steps of depositing by evaporation in a vacuum chamber a first semi-transparent metallic layer on said support while said support is at substantially room temperature, heating said support and said first metallic layer in the said vacuum chamber to a temperature substantially within the range of 110° to 140° C., depositing by evapo-

ration in said vacuum chamber upon said first metallic layer while so heated a continuous layer of a metallic fluoride having an optical thickness substantially equal to a small odd number of quarter wave lengths for light of a wave length to be transmitted by the filter, allowing said sup-



port and the layers thereon to return to room temperature in said vacuum chamber, and depositing by evaporation in said vacuum chamber on said layer of metallic fluoride an outer semi-transparent metallic layer while said support and the layers thereon are at substantially room temperature.

2,456,242
DIRECTIONAL SIGNAL AND CIRCUITS THEREFOR
Benjamin F. Bailey, Ann Arbor, Mich., assignor to United Lens Corporation, Detroit, Mich., a corporation of Delaware
Application September 25, 1944, Serial No. 555,717
9 Claims. (Cl. 177—337)

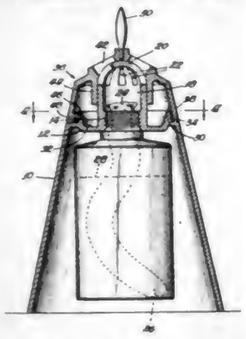


7. In a vehicle, spaced directional signals; stop signals; a circuit connections from each of said signals adapted to connect the same to a source of power; a manually settable, automatically releasable directional circuit switch in said circuit connections; a stop signal switch in said circuit connections associated with said manually settable switch; a normally open shunt circuit around said manually settable switch; an electrically controlled automatic relay to close said shunt circuit upon an abnormal voltage drop in said manually settable stop signal switching connections.

2,456,243
EMULSION POLYMERIZATION OF 2-CHLORO - 1,3 - BUTADIENE IN THE PRESENCE OF TETRAALKYL - DIAMINO - DIPHENYL - METHANES
Robert S. Barrows, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 2, 1946, Serial No. 659,155
10 Claims. (Cl. 260—92.7)

1. In the process for effecting emulsion polymerization compounds of the class consisting of 2-chloro-1,3-butadiene and mixtures of 2-chloro-1,3-butadiene with up to 60% of a 1,3-butadiene hydrocarbon in which the polymerization is carried out under alkaline conditions, the step which comprises effecting the polymerization in the presence of from 0.1% to 2%, based on the weight of the polymerizable material, of a tetraalkyl-p,p'-diamino-diphenyl methane in which each of the alkyl groups contains from 1 to 4 carbon atoms.

2,456,244
CENSER
John M. Bash, Chicago, Ill.
Application September 7, 1946, Serial No. 695,505
7 Claims. (Cl. 21—116)

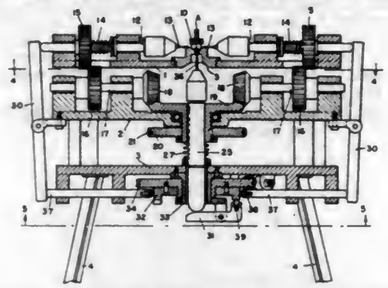


1. A censer comprising a support, a wick chamber on said support, an opening into said wick chamber for receiving a container neck, a vent from said wick chamber, and a removable closure member for said vent.

2,456,245
MACHINE FOR DRILLING CAPSTAN HEAD SCREWS
Wilbur B. Burke, East Cleveland, Ohio
Application January 6, 1943, Serial No. 471,506
4 Claims. (Cl. 77—26)

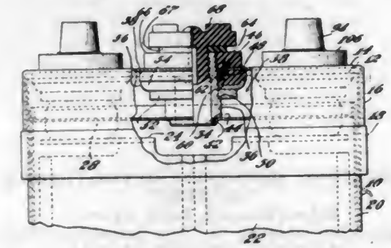
1. In a machine of the character described having means adapted to receive and hold in fixed position an article such as a capstan head screw blank with sides and end accessible for operation and a drill-carrying spindle aligned with the axis of the article thus held and movable towards and from such end of the latter and a plurality of similar spindles radially disposed in a plane transverse of such axis and movable toward and from such sides of the article having means adapted to advance and retract said aligned spindle and means adapted to advance and retract said plural spindles, said advancing and retracting means being timed to clear the center of said article of said plural spindles prior to completion of the advance movement of said aligned spindle, driving means for said spindles comprising a hollow

bevel gear rotatable about said axially aligned spindle, radially disposed spindles corresponding with said plural spindles and having bevel pinions



meshing with said bevel gear, and spur pinions interconnecting each pair of corresponding spindles.

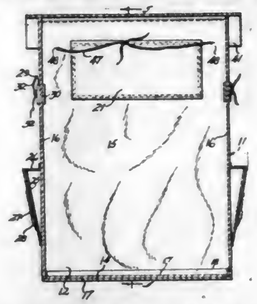
2,456,246
BATTERY GLAND FOR TERMINALS OR VENTS
Carl Berg, Northampton, and Marcus Berg, Easthampton, Mass., assignors to Nickel Cadmium Battery Corporation, Easthampton, Mass., a corporation of Delaware
Application May 15, 1947, Serial No. 748,276
6 Claims. (Cl. 136—168)



1. In combination with a battery a gland for the liquid tight passage of a lead-in member through an aperture in the top wall thereof comprising a flange bordering said aperture, a compressible washer surrounding the lead-in member at the flanged side of the aperture, said washer having an annular recess in one side for the reception of said flange, and a protuberance on its opposite side, a rigid washer surrounding said lead-in member and engaging the opposite side of said compressible washer, said rigid washer having a peripheral flange embracing said annular protuberance to restrain lateral expansion of the washer, and means threaded on said lead-in member at the opposite side of the wall for squeezing the wall against the compressible washer interposed between it and the rigid washer.

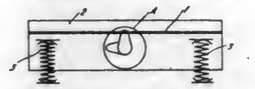
2,456,247
PACKSACK
Arthur C. Bernau, Sioux Falls, S. Dak.
Application June 28, 1946, Serial No. 680,123
3 Claims. (Cl. 224—8)

1. A knapsack comprising a container having flexible front, rear, side and bottom walls, a pair of adjustable shoulder straps secured to the rear wall, a flexible cover flap secured to the upper portion of the rear wall and formed to overlie the top of the container, means for securing said cover flap in its overlying position, auxiliary closure means in the upper end of the container, and a rope element secured at its ends to said



rear wall immediately below said auxiliary closure means and extending transversely across the top portion of the inner-side of said rear wall for substantially the full width thereof.

2,456,248
GYRATORY SCREEN
Francois Jacques Berry, Lille, France
Application September 8, 1945, Serial No. 615,183
In France May 14, 1943
2 Claims. (Cl. 209—326)

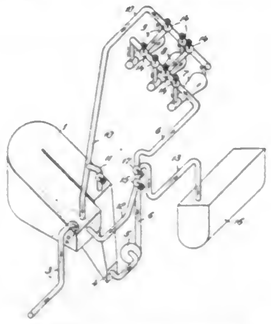


1. In a sieve for sorting solid materials comprising a movable frame spring mounted at its ends, a driving shaft for said frame, two eccentrics fixed on said driving shaft near the center of gravity of said frame, the centers of said eccentrics being located in the same diametral plane of said shaft, a connecting rod fixed to each of said eccentrics, a housing for said connecting rods rotatably mounted on said frame for rotary movement around the axis of the shaft, and said connecting rods at their ends being pivoted to said housing, at an angle of 90° to each other, and means connected between the housing and the frame for adjusting the housing about the axis of the shaft, whereby angular displacement of said housing will vary the major axis of the elliptical path of said sieve.

2,456,249
APPARATUS FOR PRODUCING VARIEGATED FIBER LENGTHS IN THE MANUFACTURE OF PAPER
George L. Bidwell, Riegelsville, Pa., assignor to Riegel Paper Corporation, New York, N. Y., a corporation of New Jersey
Application April 21, 1944, Serial No. 532,075
2 Claims. (Cl. 92—20)

2. Apparatus for the preparation of fibers for the manufacture of paper, including a circulating tub having an inlet and outlet, refining elements outside the circulating tub, said refining elements being arranged with feed piping and discharge piping of about double the diameter of the inlets and outlets of the refining elements, the discharge piping from the refining elements being higher than the discharge outlets of the refining elements, a circulating pump for circulating the stock from the circulating tub through the refining elements and back to the inlet of the

tube, in combination with a by-pass on the discharge side of the circulating pump for returning a regulated portion of the stock to the inlet of the tube and a by-pass on the discharge side of the refining elements for returning a regulated



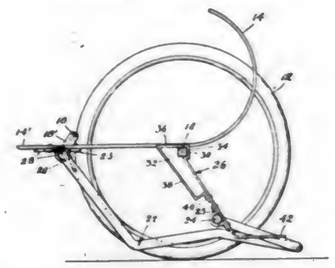
portion of the stock to the inlet of the circulating pump, said by-passes enabling a controlled amount of long fibers and short fibers to be produced in the batch of fiber being circulated, and a discharge pipe between said first by-pass and said refining elements.

2,456,250

COMBINED BRAKE AND SAFETY LEG FOR PERAMBULATORS

Alban M. Boudreau, Gardner, Mass., assignor to Hedstrom-Union Company, Gardner, Mass., a corporation of Massachusetts

Application November 13, 1946, Serial No. 709,484
8 Claims. (Cl. 188—20)



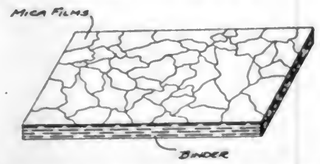
1. In a vehicle having an axle and a pair of wheels thereon, a brake member pivotally mounted adjacent to the periphery of a said wheel and swingable about its pivot into and out of engagement with the periphery of said wheel, and means rigid with said brake member and extending thence across the vertical plane of the axle to a location substantially beyond the axle, for constituting a safety leg against tipping of the vehicle when said brake member is engaged with a said wheel, means biasing said brake member in direction away from wheel engagement and biasing said safety leg to an elevated position, said safety leg being depressible in opposition to said bias to forcibly apply said brake member to a said wheel and to position said leg for preventing tipping of the vehicle, and means operative in response to a depressing of said safety leg for releasably securing the safety leg in its depressed position.

2,456,251

COMPOSITE BONDED SHEET INSULATING MATERIALS

Willis A. Boughton, Fort Lauderdale, Fla., and Chester L. Dawes and William R. Mansfield, Cambridge, Mass., assignors to Willis A. Boughton, Chester L. Dawes, William R. Mansfield, Frank C. Hughes, and Donald M. Hill, trustees of the Mica Patents Trust

Application March 15, 1944, Serial No. 526,614
5 Claims. (Cl. 154—2.6)



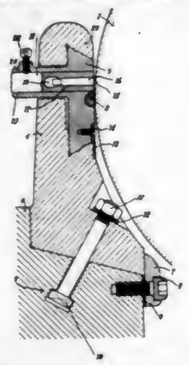
1. A composite mica insulation capable of resisting high temperatures comprising a plurality of inorganic insulating layers including at least one layer comprising mica flakes, said layers being bonded together under heat at temperatures from 175° F. to 325° F. and pressure between 50 and 500 pounds per square inch into a unitary structure by a mica binder, said mica binder comprising the thermal reaction product of ethyl silicate and a resinous material containing at least one resin selected from the group consisting of polyvinyl acetate, partially hydrolyzed polyvinyl acetate, an acrylic resin of the polyacrylic type and a polystyrene resin, said ethyl silicate being present from about 3.17% to about 31.75% of the weight of the resinous material, whereby the bond consists of the thermal reaction product of ethyl silicate and the selected resinous material.

2,456,252

GRINDING MACHINE AND FOOTSTOCK THEREOF

Ettore Bugatti, Paris, France

Application October 29, 1945, Serial No. 625,337
In Belgium January 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 14, 1964
5 Claims. (Cl. 51—237)



1. In a grinding-machine footstock, the combination of a carriage having a substantially planar outer face and a recess extending from said faces substantially at right angles thereto; a diamond holder slidably held in said recess for adjustment purposes; means on the carriage for clamping said diamond holder in said recess; and a footstock centre having a pointed end, set in said carriage in close proximity to said recess, with the pointed end axis considerably nearer to said outer face than to the inner face of said carriage.

2,456,253

PACK CARRIER

George Edward Bushey, St. Albans, Vt.

Application July 18, 1946, Serial No. 684,484
1 Claim. (Cl. 224—25.1)



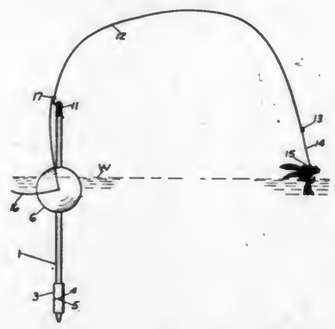
A pack carrier comprising a pair of spaced parallel side bars, spaced parallel end bars fixed at their ends to the side bars adjacent opposite ends thereof, spaced parallel slats fixed at opposite ends to the end bars and forming with the side bars a pack supporting platform, a longitudinal row of longitudinally spaced eyes carried by each side bar, said eyes projecting perpendicularly from the plane of the platform, spacers fixed to each end bar inwardly from the side bars, said spacers projecting in a direction opposite the eyes, side rails fixed to the spacers and extending longitudinally in spaced parallel relation to the side bars, spaced parallel cross straps fixed at opposite ends to the sides of the rails opposite the spacers in spaced relation to the ends of the rails and a shoulder strap receiving loop fixed to an end bar midway between the ends thereof.

2,456,254

FISHING RIG

Rocco Paul Caruso, Newark, N. J., assignor of forty-five per cent to Russell W. Smith, Arlington, N. J., and ten per cent to A. D. T. Libby

Application March 8, 1946, Serial No. 652,987
6 Claims. (Cl. 43—4)



1. In combination with a fish line, a rig including a pin, a weight on one end of the pin, a spring wire attached to the other end of the pin, a float carried by the pin intermediate its ends, and a snell carrying a lure attached to the free end of said wire, the fish line being preferably attached to the wire at the end of the pin.

2,456,255

POLYMERS OF TRIFLUOROETHYLENE AND PROCESS FOR OBTAINING THEM

Donald D. Coffman and Thomas A. Ford, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 19, 1944, Serial No. 554,861
2 Claims. (Cl. 260—80)

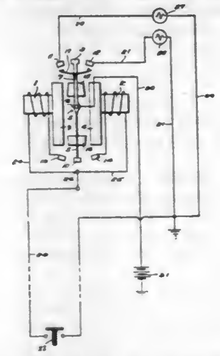
2. A solid, film-forming, moldable polymer consisting of polymeric trifluoroethylene.

2,456,256

REMOTE CONTROL SWITCHING DEVICE

Daniel G. Crowley, Remus, Mich.

Application March 8, 1945, Serial No. 581,628
2 Claims. (Cl. 171—97)



2. A switching device for insertion between a plurality of consumer circuits operated selectively by remote control and a remote control circuit containing a remote control switch, comprising a pair of magnets provided with elongated pole pieces, an operative energizing circuit for each magnet of the pair, an oscillating armature, consisting of a rigid and a resilient section, arranged between said pole pieces and provided with a fulcrum located between said sections and between said pole pieces, an armature core on each side of said fulcrum, an operative circuit containing a source of current connected with said armature, a movable contact on each section of the armature, a pair of fixed contacts cooperating with each of said movable armature contacts, one contact pair being connected with the consumer circuits to be controlled, the other pair being connected with the energizing circuits of the pair of magnets, and a connection between said circuits and with the remote control circuit containing the remote control switch.

2,456,257

FLUSHING DEVICE FOR DOUCHE SYRINGES

William R. Curry, Ogden, Utah

Application December 4, 1946, Serial No. 713,959
1 Claim. (Cl. 128—244)

In a vaginal douche having a bulb, a tube extending from said bulb and a nozzle attached to the tube, in combination with a split collar slidably mounted on the tube, ears formed on and

extending from said split collar, nut and screw means through said ears for securing said split collar to the tube, bifurcated bearing lugs extending from diametrically opposed portions of said split collar, a plurality of manually operable levers, means pivoting said levers to said respective bearing lugs, a plurality of solid members on said levers and having opposed substantially semi-cylindrical recesses for receiving the tube, whereby said members abut each other



while embracing said tube, said members being tapered in the direction of insertion of the nozzle, whereby when the free ends of said levers are moved toward each other, said members are moved oppositely to each other away from the tube for expanding the vaginal orifice to form drainage passages about the nozzle and tube, and a lock ring embracing said tube and levers for holding the levers toward each other.

2,456,258

P-AMINO PHENYL-P'-AMINO PYRIDYL SULFONE AND A PROCESS OF MAKING THE SAME

Max Dohrn, Berlin-Charlottenburg, and Otto Laubereau, Berlin-Neukolln, Germany; vested in the Attorney General of the United States

No Drawing. Application December 23, 1940, Serial No. 371,412. In Germany December 19, 1939

19 Claims. (Cl. 260—239.6)

2. A method for making a phenyl pyridyl sulfone compound, comprising reacting a salt of benzene sulfinic acid having in p-position to the sulfinic acid group a radical having nuclearly bound nitrogen and selected from the class consisting of the amino group, acyl-amino groups and the nitro group, with a halogenated pyridine compound having in p-position to halogen a member of the class consisting of an amino group, a group hydrolizable to an amino group and a group reducible to an amino group.

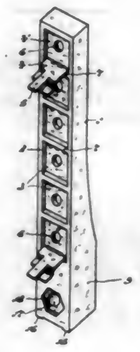
2,456,259

INSULATING SUPPORT FOR ELECTRIC WIRING

Hendrik Dorjée, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application February 5, 1947, Serial No. 726,639
In The Netherlands February 21, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 21, 1964
2 Claims. (Cl. 174—145)

1. An insulating support for electrical conductors comprising a unitary elongated body of insulating material having a U-shaped cross-section, a plurality of cavities in the outer surface of the bottom reach of said U-shaped member for accommodating contact members which may be inserted in said cavities, said elongated body having a mounting foot at one end thereof and integral therewith, said mounting foot being formed of the bottom and sides of the U-shaped cross-section, said sides being longer at said foot end of said elongated body than at the other portions thereof, said sides being thicker at the portion of said foot end more remote from the middle of said elongated body than at the other portions of said foot end and defining a



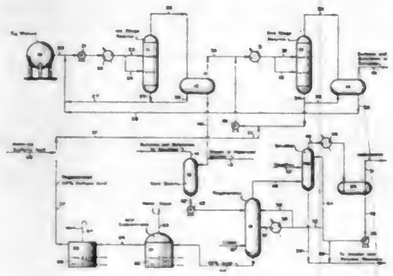
narrowed passageway therebetween, and an aperture in said outer surface of said bottom reach of said U-shaped member, said aperture extending into said narrowed passageway.

2,456,260

PROCESS FOR RECOVERING OLEFINS FROM A HYDROCARBON STREAM

Arthur A. Draeger, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application December 20, 1946, Serial No. 717,355
9 Claims. (Cl. 260—677)



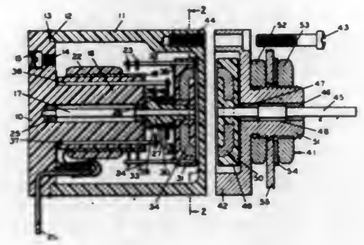
1. In a system for recovering tertiary olefin from a predominantly C_4 hydrocarbon feed stock comprising olefins involving contacting the feed stock with sulfuric acid in a reaction zone under conditions to form an extract, the removal of the extract from the reaction zone to a regeneration zone where the extract is heated under a pressure substantially less than that of the reaction zone to cause vaporization of a major portion of the hydrocarbons from said extract and recovery of the extract and the recycling of the recovered sulfuric acid to the reaction zone, the step of heating said extract after it has been removed from the reaction zone and before it is sent to the regeneration zone to a temperature above the temperature at which the extract is formed and below the temperature to which it is heated in the regeneration zone whereby a product of improved purity is obtained.

2,456,261

LOW TORQUE TOROIDAL RESISTOR

Gabriel M. Giannini, Pasadena, Calif., assignor to G. M. Giannini & Co. Inc., Pasadena, Calif., a corporation of New York

Application August 13, 1946, Serial No. 690,314
7 Claims. (Cl. 201—56)



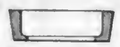
1. A low torque resistor-transmitter for remote indicating systems comprising a base; a cover hermetically sealed to said base; means contained in said base for introducing an inert gas under pressure; a toroidal resistor affixed to said base; a shaft structure rotatably journaled in anti-friction bearings carried by said base; wire brushes carried by said shaft structure contacting said toroidal resistor; electrical connection means between said toroidal resistor, said wire brushes and an external circuit; and magnetic driving means for rotating said shaft structure.

2,456,262

FABRICATION OF POLYTETRAFLUOROETHYLENE ARTICLES

Reuben T. Fields, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application March 29, 1946, Serial No. 658,186
4 Claims. (Cl. 18—55)



1. A process of fabricating polytetrafluoroethylene articles which comprises subjecting finely divided polytetrafluoroethylene to a pressure in a die to form a shaped body of polytetrafluoroethylene; releasing the said pressure and removing the shaped body from the die; heating the said shaped body at a temperature above 327° C. until sintered; and cooling the shaped body from the said temperature to a temperature below 250° C. under pressure in a die having the shape of the desired finished article.

2,456,263

RAZORSTROP COMPOSITION

William O. Flatt, Fort Worth, Tex.

No Drawing. Application March 10, 1945, Serial No. 582,181
2 Claims. (Cl. 51—304)

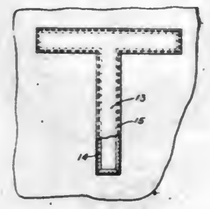
1. An abrasive-free composition for building up fabric base razor strops comprising soap, beeswax, creosote and a water soluble saponified coal tar product comprising active ingredients in the form of cresylic acid, an aryl-phenol and soap together with inert ingredients in the form of approximately 3.5% glycerin and not more than 35% water.

2,456,264

METHOD OF PREPARING APPLIQUÉS FOR ATTACHMENT

Maurice A. Friedlen, Chicago, Ill.

Application September 13, 1946, Serial No. 696,904
5 Claims. (Cl. 2—278)



4. The method of forming and attaching an appliqué to a surface which comprises cutting a blank of the material to be applied, placing the said blank over a die recessed to conform to a desired configuration, with the marginal edges of the said blank extending over the edges of said recess, cutting a form from sheet material to a configuration corresponding to that of said recess but being relatively smaller dimensionally so as to be received in said recess, placing said form over said blank and urging said form and said blank into said recess so as to cause the marginal edges of said blank to be turned upwardly out of the plane thereof, applying heat and pressure to the upwardly turned marginal edges to cause the same to be folded inwardly, removing said form from said formed appliqué, and stitching said appliqué to said surface.

2,456,265

MODIFYING AGENTS FOR USE IN LOW-TEMPERATURE POLYMERIZATION REACTIONS

Per K. Frolich, Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application January 30, 1942, Serial No. 428,834
11 Claims. (Cl. 260—93)

1. A polymerization process comprising the steps in combination of mixing together liquefied isobutylene, liquefied ethylene and zinc stearate and polymerizing the mixture by the application thereto of a Friedel-Crafts active halide catalyst, to yield a fine grained non-coalescing slurry of solid polymer having a molecular weight within the range of 15,000 to 150,000.

2,456,266

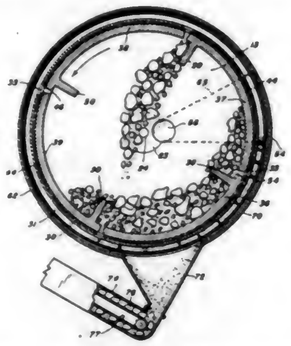
DRUM GRINDING MILL WITH DISCHARGE OPENINGS IN THE LINER

D. Wearing Gates, Seattle, Wash., assignor to G. B. & S. Mill, Inc., Yakima, Wash.

Application March 17, 1945, Serial No. 583,183
5 Claims. (Cl. 241—83)

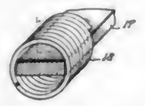
1. A grinding mill, comprising: a drum mounted to rotate about its horizontal axis, the drum consisting of a shell ring and spaced wear-resisting liner segments, the spaces between said segments serving as outlet openings for comminuted material, mountings for said segments, said mountings having loose engagement with the shell ring whereby on rotation of the drum a limited movement is imparted to said segments thereby

preventing clogging of the material therebetween, and a resilient mounting between each segment



and the shell ring to effect a rebound of particles striking the liner.

2,456,267
HANDLE BAR
Antoine Gazda, Providence, R. I.
Application October 1, 1945, Serial No. 619,624
5 Claims. (Cl. 74—543)

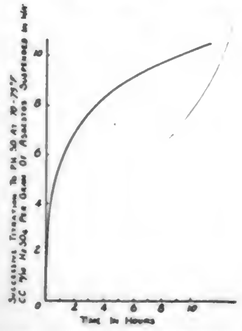


1. A resilient handle for pneumatic breakers, hammers, drills and the like, comprising a flat spring and a spiral spring in tubular shape substantially encompassing the same, the inner surface of said spiral spring being juxtaposed to said flat spring and extending to each free end thereof.

2,456,268
CATALYST PREPARATION
Frank C. Gibbs, Jr., Borger, Tex., Bruce M. Baird, Oklahoma City, Okla., and Robert J. Brosamer, United States Navy, assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 20, 1943, Serial No. 511,207
2 Claims. (Cl. 252—250)

1. A process for the preparation of a silica-alumina catalyst which comprises forming a hydrous silica gel by adding a solution of sodium silicate to an aqueous acid solution, washing and partially drying said hydrous gel, washing the partially dried gel until the acidity of the final wash water is reduced to pH value of at least about three, thereafter subjecting the resulting washed gel to the action of an aqueous acid activating solution consisting essentially of aluminum sulfate and an effective amount of a compound selected from the group consisting of alkali-metal bases and salts of alkali-metal bases and weak acids to maintain the acidity of said acid activating solution at a pH above about two during the entire activation treatment and so that the acidity of the spent acid activating solution at the end of said activation remains at a pH above about two, and subsequently washing and drying said activated gel.

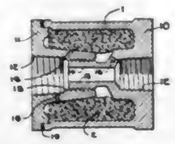
2,456,269
PLASTIC JOINT COMPOSITION
Joseph W. Gill, Elmhurst, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application December 1, 1944, Serial No. 566,230
5 Claims. (Cl. 106—113)



1. A surfacing and crevice filling composition of matter comprising the following ingredients:

	Percent
Animal glue	3.0
Corn paste	1.4
Basic chrome sulfate (25% Cr_2O_3)	0.6
Asbestos floats	4.0
Finely ground pyrophyllite	20.0
Finely ground silica	15.0
Stucco-plastic, low consistency	56.0
	100.0

2,456,270
LUBRICATING DEVICE
Harry L. Giwosky and Peter Ketelsen, Wichita, Kans., assignors to Boeing Airplane Company, Wichita Division, Wichita, Kans., a corporation of Delaware
Application November 5, 1943, Serial No. 509,026
5 Claims. (Cl. 184—55)



2. A lubricator comprising a barrel, an end wall formed integrally therewith, a tubular thimble integral with said end wall and projecting concentrically within said barrel, a cap defining a second end wall for said barrel and having a tubular thimble integral therewith, projecting toward said first thimble, and detachably connected with said first thimble to hold said end walls in assembled relationship and to form a hollow core extending through said barrel, constituting a main air passage, and defining with said barrel an annular chamber, means for attaching air lines to said thimbles, and an oil-impregnated absorbent filler received in such annular chamber, each thimble having a small aperture through its wall to afford communication between its interior passage and the annular chamber receiving said filler, to by-pass through the filler a portion of the air flowing through the lubricator to pick up oil from the filler and to deliver it to the air stream flowing through the hollow core.

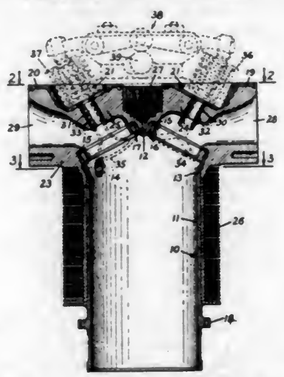
2,456,271
REACTION PRODUCT OF N-SUBSTITUTED POLYAMIDES WITH HYDROXYLATED MATERIALS AND PROCESS FOR OBTAINING SAME
Boynton Graham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 6, 1944, Serial No. 529,815
6 Claims. (Cl. 260—72)

1. A process which comprises reacting ingredients comprising an N-substituted polyamide and a substance containing a plurality of alcoholic hydroxyl groups by contacting said ingredients at a temperature of at least 20° C. and below the temperature at which decomposition of said ingredients and reaction product takes place, said N-substituted polyamide and substance being present in the proportion of from 1 to 200 parts by weight of said N-substituted polyamide and from 200 to 1 parts by weight of said substance, said N-substituted polyamide being the reaction product of a monohydric alcohol in which the alcoholic hydroxyl is the sole reactive group, formaldehyde and a catalyst consisting of oxygen-containing acid with a synthetic linear polycarbonamide which has hydrogen-bearing amide groups as an integral part of the polymer chain, the average number of carbons in the segments of the chain separating the amide groups being at least 2, and which has a molecular weight of at least 3000, and which consists of the reaction product of bifunctional polyamide-forming material containing complementary amide-forming groups in equimolecular proportions, said N-substituted polyamide containing the groups



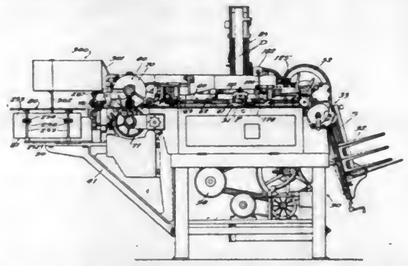
wherein R is the radical of said alcohol, in amount of at least 5% of the carbonamide groups present in said N-substituted polyamide.

2,456,272
ENGINE CYLINDER CONSTRUCTION
Alfred T. Gregory, Manhasset, N. Y., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y., a corporation of Maryland
Application August 2, 1946, Serial No. 687,884
5 Claims. (Cl. 123—193)



1. A cylinder for the overhead valve type of internal combustion engine and the like, comprising a barrel and head liner of ferrous metal having high structural strength, a casing for said barrel and head liner of light weight metal integrally secured thereto and having a structural strength less than the ferrous metal of said liner, lateral extensions on that portion of said casing overlying the head of said liner and forming a platform substantially normal to the axis of said cylinder and having an area substantially greater than the cross-sectional area of said casing around the barrel of said liner, and a platform integrally united with the casing metal of said extensions for mounting the operating mechanism for said overhead valves on said casing, whereby the operating load of said valve mechanism is transmitted from said platform solely through said casing to said liner.

2,456,273
PRINTING MACHINE
John H. Gruver, East Cleveland, and Homer A. Seeley, Cleveland, Ohio, assignors to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application December 26, 1944, Serial No. 569,878
9 Claims. (Cl. 101—2)



1. In a printing machine for preparing business instruments having different characteristics from and under control of printing and control devices each embodying printing means and each adapted to bear identifying means at one or more identifying positions thereon, means affording a printing device guideway through which such printing and control devices are adapted to be passed one by one to sensing and printing positions disposed along said guideway, and sheet feeding means affording a sheet guideway along which sheets may be advanced into and then out of printing position; impression means at said printing station including at least two impression portions adapted when operated to print impressions on to a sheet in said sheet guideway from a printing and control device disposed at printing position, control means for rendering one of said impression portions selectively active or inactive, rotary printing mechanism to which sheets are fed one by one from said sheet guideway, said rotary printing mechanism having a plurality of printing elements one of which is adapted to be rendered selectively active or inactive, sheet sorting mechanism to which sheets are discharged from said rotary printing mechanism, and having sorting means selectively operable to sort sheets into different groups, control means for said sorting means, sensing means at said sensing position, governing means controlled by said sensing means to govern the respective control means of said impression portion and said printing means to render said one impression portion and said one printing element of said rotary printing mechanism effective or ineffective in accordance with identifying means sensed by said sensing to thereby impart different characteristics to the respective instruments in accordance with the sensed identifying means,

and said governing means also being operable under control of said sensing means to govern said control means of said sorting mechanism to sort said instruments in accordance with the different characteristics thus imparted to said instruments.

2,456,274

ARYL THIO-ETHERS OF METAL-CONTAINING PHTHALOCYANINES AND PROCESS FOR PRODUCING SAME

Ernst Gutzwiller, Basel, Switzerland, assignor to Sandoz Ltd., Fribourg, Switzerland, a Swiss firm

No Drawing. Application March 15, 1945, Serial No. 583,008. In Switzerland February 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 14, 1964
12 Claims. (Cl. 260—314.5)

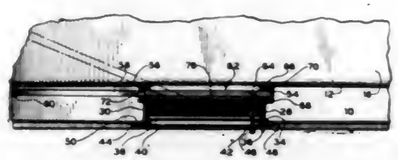
1. A process for the manufacture of pigments of the phthalocyanine series comprising the step of heating at 150–210° C. a phthalocyanine halogenated in the benzene nuclei with an aromatic mercaptan in presence of an acid binding agent and of an alcohol possessing a boiling point of above 150° C.

2,456,275

BATHTUB

Louise E. Harris, Macon, Ga.

Application February 6, 1946, Serial No. 645,900
12 Claims. (Cl. 4—173)



1. A bathtub comprising a bottom wall and spaced inner and outer upright walls having their upper ends joined by a transverse connecting wall, a door opening forming a passageway through said inner and outer upright walls, a door for said passageway slidable to a concealed position between said upright walls, a transverse wall connecting said inner and outer upright walls about said passageway, a door receiving recess in said transverse wall, opposed gaskets in said door receiving recess for engaging opposite sides of the door when the door is in closed position, the upright portion of the transverse wall about the door opening having a slot through which said door may be slid into the space between said inner and outer upright walls, said bottom transverse wall having a drainage opening therein, and a closure member adapted to fit in the door opening along the said outer wall, said closure member having a lateral extension at its top conforming to the transverse connection between the inner and outer upright walls to give the top of the tub a continuous appearance.

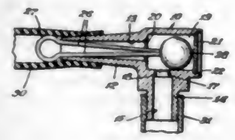
2,456,276

STALL COCK FOR MILKING MACHINES

William H. Harstick, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application June 20, 1947, Serial No. 755,992
9 Claims. (Cl. 284—4)

7. A stall cock for a milking machine system comprising a body having a chamber, connecting members having conduits in communication with the chamber, a valve member within the chamber movable to seal any one of said conduits, a valve stem connected to said valve member, said valve stem extending outwardly through one of said



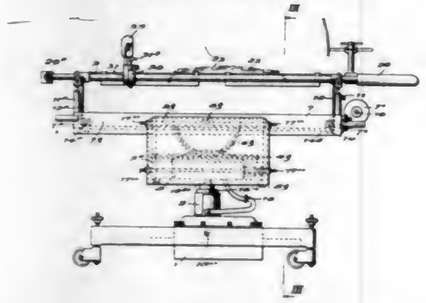
conduits, and an engaging means connected to said valve stem, said engaging means being operable to engage portions of a fluid line coupled to one of said connecting members whereby said valve member is moved and retained from sealing relation with any of said conduits.

2,456,277

SURGICAL TABLE

Maurice Georges Heitz-Boyer, Vichy, France; vested in the Attorney General of the United States

Application September 5, 1942, Serial No. 457,509
In France June 5, 1941
3 Claims. (Cl. 250—55)



1. A table for surgical and like purposes for use with an X-ray tube device, which comprises, in combination, a single supporting column, a substantially flat track carried by the top of said column, a body support, means movably carried by said body support on the under side thereof for supporting an X-ray tube device, and means for movably mounting said body support on said column for cycloidal movement on said track, said last mentioned means being so positioned and dimensioned as to prevent contact of said X-ray tube device with said column.

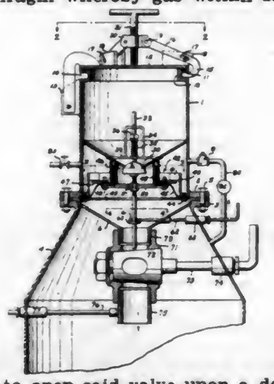
2,456,278

ACETYLENE GENERATOR

George L. Hill, Houston, Tex.

Application January 5, 1945, Serial No. 571,456
8 Claims. (Cl. 48—53)

6. A gas generator comprising a hopper having an opening in the bottom thereof, a downwardly opening valve in said opening, spring means tending to hold said valve in normally closed position, a generating chamber below said valve, closure means therefor forming an enclosure between the hopper and chamber, a diaphragm forming a partition in said enclosure, means interconnecting said diaphragm and said valve, and means for admitting gas under pressure from the generating chamber to the space above said diaphragm whereby gas within said space



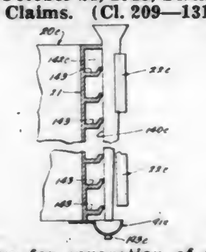
functions to open said valve upon a decrease in pressure within the generating chamber.

2,456,279

APPARATUS FOR ELECTROSTATIC SEPARATION OF MATERIAL PARTICLES

Basil Horsfield, Florence, Ala., assignor to Orefraction Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania

Application October 24, 1945, Serial No. 624,164
8 Claims. (Cl. 209—131)



1. Apparatus for separation of material particles, comprising: means, comprising gutter means for supporting the particles, constructed and arranged to cause the particles to progress in one direction in said gutter means; functionally plate-type electrode means positioned to define a substantially vertical plane spaced horizontally from said gutter means; particle receiving means; said gutter means and said electrode means and said particle receiving means being relatively so positioned that the space left between said electrode means and said gutter means extends freely downwardly into said particle receiving means; and said electrode means and said gutter means being so constructed and arranged that when they are subjected to a sufficient difference of electric potential, particles of higher susceptibility will be lifted, by electrostatic action, out of said gutter means into said vertical space and fall downwardly therein into said particle receiving means.

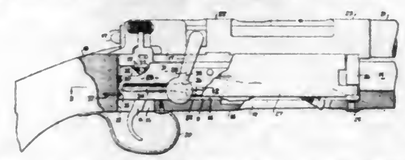
2,456,280

BUFFER DEVICE FOR FIREARMS

Frederick L. Humeston, Hamden, Conn., assignor to The High Standard Manufacturing Corporation, New Haven, Conn., a corporation of Connecticut

Application June 25, 1946, Serial No. 679,246
5 Claims. (Cl. 42—75)

1. A firearm structure including in combination: a stock having an interior vertical longitudinal recess therein provided with a rear end-wall; a receiver-member arranged to seat in said recess; and recoil-transmitting means comprising a U-shaped sheet-metal member mounted in said recess, said member abutting at its base against the rear end-wall of said recess and



having forwardly-extending arms each provided with an inwardly-projecting rib extending longitudinally thereof, the forward end of each rib being arranged to abut the rear end of said receiver-member to transmit the rearward recoil shock of said receiver-member to the rear end-wall of said recess.

2,456,281

REMOVING INCRUSTATIONS FROM LEAD ANODES USED FOR CHROMIUM PLATING

Jacob Hyner, Waterbury, Conn., assignor to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application April 16, 1946, Serial No. 662,617
1 Claim. (Cl. 204—141)

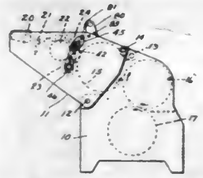
A method of removing incrustations from lead anodes used for chromium plating such incrustations being mixtures of lead oxides and lead chromate, comprising suspending the lead article in an aqueous solution consisting essentially of an alkali-metal pyrophosphate, and passing current to the aforesaid lead article, connected in circuit in said solution as a cathode, and cathodically reducing the incrusted mixture of lead oxides and lead chromate to lead.

2,456,282

INKING SYSTEM FOR PRINTING MACHINES

Edward J. Janke, Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application June 27, 1945, Serial No. 601,820
29 Claims. (Cl. 101—352)

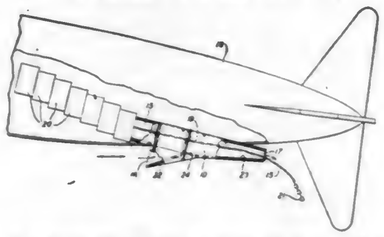


29. A printing machine having a rotary drum adapted to carry a printing plate, a normal inking system therefor including a friction-driven form roll adapted to coact with the plate and with means for supplying ink to said roll, mechanism for removably supporting said friction-driven form roll, means for rendering the normal ink supply mechanism inactive, and means for carrying a gear-driven form roll in the same supporting mechanism in place of the friction-driven form roll but in a position different therefrom and where it may contact with the printing plate while out of contact with the normal inking system and where it may be supplied with ink independently of the normal inking system.

2,456,283
TEXTILE WAX COMPOSITIONS
George D. Jefferson, Kennett Square, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 30, 1945, Serial No. 591,237
3 Claims. (Cl. 106—268)

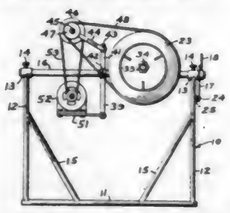
1. A solid composition consisting essentially of 40 to 70% hydrocarbon wax, 6 to 30% of a polyethylene glycol monostearate produced by the reaction of ethylene oxide and stearic acid in the proportion of at least 18 mols of ethylene oxide per mol of stearic acid, and 10 to 40% stearic acid, to make a total of 100% of said mixture.

2,456,284
FLUME FOR AIR LAID WIRE
Homer G. Jordan, Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1945, Serial No. 633,827
8 Claims. (Cl. 244—137)



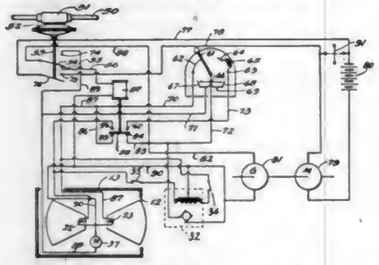
1. A discharge device for guiding air laid wires from airplanes and the like which comprises in combination, an airplane, an elongated flume member mounted in the fuselage of said airplane and having a wide wire receiving inlet port at one end and a relatively narrow wire discharge outlet port at the other and an air inlet port facing forward and opening into said flume adjacent said wire receiving port for scooping up air and forcing it through said flume to accelerate the passage of wires therethrough.

2,456,285
CONCRETE FEED AND FERTILIZER MIXER
John S. Kamper, Demopolis, Ala.
Application July 10, 1947, Serial No. 759,955
1 Claim. (Cl. 259—177)



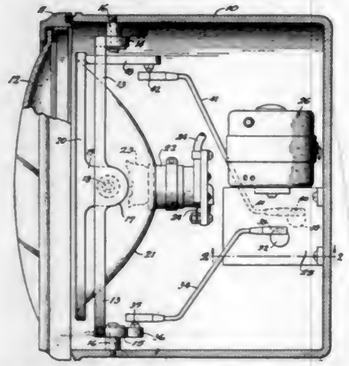
A mixing device comprising a frame, a shaft journalled on the frame, a mixing element, means for connecting the mixing element to the shaft to be adjusted therewith, means for adjusting the shaft to move the mixing element between discharge and raised positions, electric motor drive means including belts and belt pulleys connected to the shaft to be tilted therewith, said motor means including a member having a portion extending upwardly from the shaft and a portion extending downwardly therefrom, said member being fixed to the shaft, an arm pivoted upon the upwardly extending portion and normally retained in an upwardly inclined position, a shaft with two pulley wheels thereon, a pulley belt extended between one of the pulley wheels on the arm and the mixing element to rotate the same, a mounting base for the electric motor pivoted to the lower arm of the member, a pulley belt extended between the electric motor and the other pulley of the shaft of the arm, said electric motor utilizing its weight to tighten the belt between the motor and the pulley on the pivoted arm and whereby to pull the arm downwardly so as to tighten the belt between its pulley wheel on the arm and the mixing element.

2,456,286
LOW BRAKE PRESSURE SIGNAL DEVICE
Jeremiah D. Kennelly, Oak Park, Ill.
Application October 20, 1945, Serial No. 623,587
6 Claims. (Cl. 177—311)



1. In combination with a brake line maintained under high fluid pressure on railway cars and the like, a signal device provided with a warning light and a favorable light, means for rotatably mounting said lights to move one into view while obscuring the other, and means responsive to a drop in pressure in said brake line below a predetermined point for actuating said last-mentioned means to bring said warning light into view.

2,456,287
WARNING LIGHT FOR VEHICLES
Jeremiah D. Kennelly, Oak Park, Ill.
Application February 1, 1947, Serial No. 725,825
3 Claims. (Cl. 177—329)



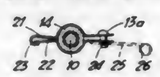
2. In warning light apparatus, a casing open at one end, a lens in said casing, a light source equipped with a reflector mounted in said casing,

a bracket member, pivot pins supporting said reflector in said bracket member for oscillation in a vertical plane, pivot pins supporting said bracket member for oscillation in a horizontal plane, a pair of motor-driven eccentric discs mounted in said casing, and arms connecting said discs to said reflector and said bracket, said discs being rotated at different speeds to produce a number of vertical oscillations of said reflector for a single oscillation of said bracket support.

2,456,288
PROCESS OF DYEING NYLON-ACETATE MIXED FABRIC WITH 3-NITRO-4-AMINO-2'-CHLOROBIPHENYL
Jean G. Kern, Orchard Park, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 4, 1945, Serial No. 592,073
4 Claims. (Cl. 8—24)

1. A process for the coloration of a mixed fabric containing synthetic linear polyamide fiber and organic cellulose derivative fiber, which comprises applying to said fabric an aqueous dispersion of 3-nitro-4-amino-2'-chlorobiphenyl, whereby said fabric is colored a uniform, fast greenish-yellow shade.

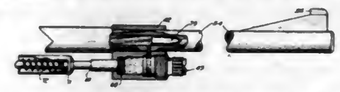
2,456,289
SAFETY DEVICE FOR AIR BOMBS
Emrik Ivar Lindman, Ronninge, Sweden
Application November 3, 1941, Serial No. 417,728
In Sweden October 7, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires October 7, 1960
2 Claims. (Cl. 102—7.6)



1. In an air bomb in combination, a firing pin turnably fitting in the nose of the bomb, a striking plate on said firing pin and projecting in front of the nose of said bomb, a primer, a spring normally holding said firing pin at a predetermined distance from said primer and yielding at a predetermined minimum pressure higher than the maximum pressure effected by the air when the bomb falls through it, a safety clip comprising two flat resilient plates between said striking plate and the bomb proper, said clip having an opening formed therein extending transversely of the major planes of the flat plates, a safety pin extending through the opening in said clip, and fitting loosely therein, said clip being resilient and being under stress when assembled and tending to spring apart automatically but normally being held in safety position by said safety pin, said safety pin having a transversely extending hole therein, and a locking wire extending through said hole in said safety pin, to be extracted in its longitudinal direction out of said hole when the bomb is dropped, said firing pin and safety pin being rotatable respectively in different planes so that the hole in the safety pin may always be in the longitudinal direction of said wire when the bomb is ready to be dropped.

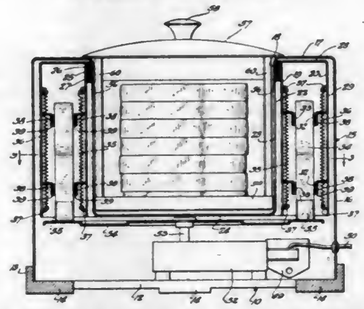
2,456,290
GAS-OPERATED AUTOMATIC RIFLE
Albert V. Ljutic, Verona, Calif.
Application March 3, 1945, Serial No. 580,865
1 Claim. (Cl. 89—193)

In a firearm, a barrel having a cartridge firing chamber, a receiver, mechanism in said receiver for feeding a cartridge into said firing chamber and for extracting the case therefrom after firing; means for operating said mechanism comprising a sleeve mounted on said barrel and having in a depending portion thereof a cylinder and a piston movable in said cylinder, to actuate said mechanism upon admission of gases from said barrel to said cylinder, a first gas port for admitting gases to said cylinder from said barrel at



a point intermediate the ends thereof, a hollow circular plug in said cylinder having a gas passage about the outer periphery thereof for receiving gases from said first gas port, said first gas port opening from said barrel and flaring outwardly through said sleeve to deliver gases from said barrel to said gas passage and a second gas port opening from said gas passage to the interior of said hollow plug.

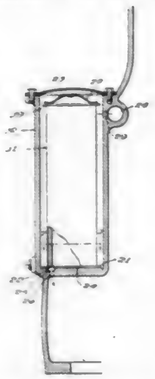
2,456,291
TOASTER
Homer F. Malone, Chicago, Ill., assignor of one-half to Frank D. Ross, Chicago, Ill.
Application July 5, 1945, Serial No. 603,316
4 Claims. (Cl. 99—339)



1. A toaster for bread or the like comprising, in combination, a base of insulating material, a rotary drive mechanism mounted on the base and having a centrally disposed drive shaft extending upwardly therefrom, a substantially circular table secured to the drive shaft to be supported and driven thereby, said table having a toast carrying platform with spaced and upstanding toast pushing lugs near the periphery thereof, a housing secured to the base and having a cylindrical outer wall extending upwardly from the base and spaced diametrically from said table, said housing also including an inwardly extending top portion and a centrally disposed well defined by a cylindrical wall spaced inwardly from said outer wall and a bottom wall spaced from said table, said cylindrical walls defining a circular toasting channel, a door opening in the outer wall fitted with a door and providing access to the toasting channel, support members adjacent and extending along each wall of the toasting channel in spaced relationship thereto and carried by the housing, said support members having means on the adjacent surfaces thereof carrying heating elements facing one another from opposite sides of the channel, said support members also carrying toast guide strips in spaced and substantially concentric relationship with the space therebetween substantially aligned with said platform and toast pushing

lugs, said toast guide strips and the outer one of said support members each having an end adjacent opposite sides of said door opening and a cover for said well.

2,456,292
LIQUID FILTERING APPARATUS
Howard S. Manwaring, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 30, 1945, Serial No. 607,692
5 Claims. (Cl. 210—169)



1. In a filter for fluids, a thin hollow wall structure having opposed contiguous walls of thin filtering sheets through which the fluid is filterable into said structure from a fluid body ambient thereto, said structure comprising a series of hollow sections of which adjacent thereof are connected together in diverging relation by respective folds of a series of successively oppositely turned folds in such structure and arranged alternately with such hollow sections, the opposite sides of said hollow sections being pressable inwardly in a manner reacting each against the other by the pressure of such fluid body, a sealing plate for the hollow wall structure at an edge thereof to which ends of the hollow sections and of said folds extend, and drainage means comprising a plurality of ports in said sealing plate directly communicative with various of said hollow sections.

5. In a liquid filtering unit, a thin hollow wall structure having opposed contiguous sheet-like filtering walls through which liquid is filterable into the structure from a liquid body while said structure is immersed therein, said structure comprising a series of adjacent hollow sections each extending between opposite edges of said structure, and arranged in zigzag fashion wherefore there are junctions between the sections from which adjacent sections diverge; a sealing plate attached to one of said structure edges to serve as closing means for such edge, and drainage means for said structure comprising holes extending through said plate in communication with said hollow wall structure at points in registry with respective of said junctions.

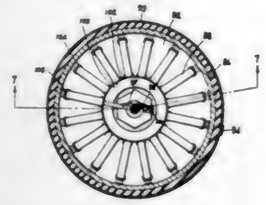
2,456,293
SEMIRIMLESS OPHTHALMIC MOUNTING
Stanley Markell, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application January 23, 1947, Serial No. 723,677
1 Claim. (Cl. 88—41)

In an ophthalmic mounting, the combination of a lens, a frame member positioned against the rear surface of the lens and extending along the nasal, top, and temporal portions thereof, said lens having depressions on its front surface adjacent its nasal and temporal edges, a mounting part secured to and extending laterally from each of the nasal and temporal portions of the frame member, and means for detachably holding the lens on the member comprising resilient clips mounted, respectively, on the nasal and



temporal portions of the member, each clip overlying the front surface of the lens and having a protuberance positioned in the adjacent depression, the protuberances being held in the depressions by the resilience of the clips, each clip having a pair of spaced integral fingers positioned, respectively, above and below the adjacent mounting part, said fingers extending partially around the frame member for holding the clip thereto.

2,456,294
UNDERWATER SOUND TRANSMITTER OR RECEIVER
Frank Massa, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application May 15, 1946, Serial No. 669,761
2 Claims. (Cl. 177—386)

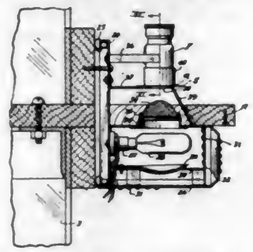


1. In a piezoelectric transducer device adapted to operate underwater, a water-tight enclosure having a vibration transmitting portion, a liquid medium within said housing having a mechanical impedance comparable to the mechanical impedance of the water in which said piezoelectric device is adapted to operate, a compressible body having a slot therein mounted within said water-tight enclosure and in contact with said liquid medium, said body having lower mechanical impedance than said liquid medium, and piezoelectric expander crystal means having at least two faces which vibrate with piezoelectric action mounted in the slot with one but not all of said faces directly against said compressible means to decouple said face from the surrounding liquid medium, said other face which vibrates being substantially coupled to said liquid medium to effect a differential alternating pressure of the liquid medium on the said two faces when the crystal unit operates piezoelectrically.

2,456,295
COATING COMPOSITIONS
William C. Mast, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application June 22, 1944, Serial No. 541,559
6 Claims. (Cl. 260—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. A coating composition comprising an aqueous emulsion of polymerized monomeric methyl acrylate, the viscosity of the composition being adjusted by incorporation of peptized casein and a water-soluble alginate therein prior to polymerization, in the proportions of 3.5 to 28.2 parts of the casein and 0.25 to 3.75 parts of the alginate per 250 parts of the monomeric methyl acrylate.

2,456,296
VISUAL INSPECTION PROJECTION APPARATUS
Rex D. McDill, Cleveland Heights, Ohio
Application January 31, 1946, Serial No. 644,491
3 Claims. (Cl. 88—24)



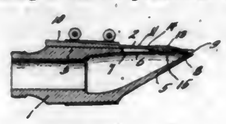
1. Inspection apparatus comprising a support having a smooth bearing surface and provided with an opening permitting the passage of light therethrough, light directing means directing light through the opening, a lens holder carrying a lens in alignment with said opening, a sleeve carried by said lens holder and movable toward said support, the sleeve having a smooth end adjacent the support, and a spring pressing the sleeve toward the support, the support having a smooth inclined portion diverging from a portion thereof in alignment with the end of said sleeve.

2,456,297
PROTEIN HYDROLYSIS
Daniel Melnick, Kew Gardens Hills, N. Y., assignor, by mesne assignments, to Food Research Laboratories, Inc., a corporation of New York
No Drawing. Application October 28, 1943, Serial No. 508,056
4 Claims. (Cl. 99—21)

1. Process of hydrolyzing blood proteins which consists in: heat coagulation of the proteins; and the digestion thereof with a small single charge of a pancreatic enzyme preparation whereby approximately 85% of the proteins are converted to amino acids, and not more than 10% of the free amino acids in the final hydrolysate are derived from the pancreatic enzyme preparation.

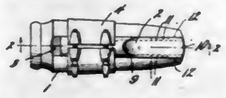
2,456,298
REVERSIBLE REED FOR WIND INSTRUMENTS
Jules Miller, Atlantic City, N. J.
Application December 24, 1947, Serial No. 793,577
6 Claims. (Cl. 84—383)

1. A reversible reed for clarinet, saxophone and the like, tapering from its proximal to its distal



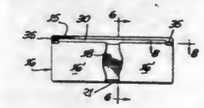
end and the surface contour of the two faces being identical.

2,456,299
PERFORATED REED FOR WIND INSTRUMENTS
Jules Miller, Atlantic City, N. J.
Application December 24, 1947, Serial No. 793,578
5 Claims. (Cl. 84—383)



1. A reed for musical instruments, such as the clarinet, saxophone and the like, including the body portion and the vibrant portion, the vibrant portion provided near its proximal end with a series of apertures spaced slightly from the marginal side edges of said reed.

2,456,300
BILLFOLD
Joseph C. Miller, Compton, Calif., assignor to Coast Envelope & Leather Products Company, a corporation of California
Application January 24, 1944, Serial No. 519,487
2 Claims. (Cl. 150—38)

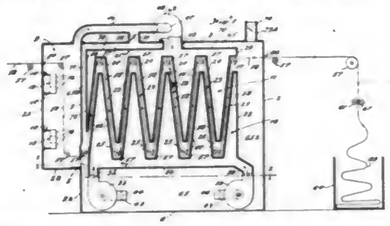


1. A billfold comprising: outer and inner walls of flexible material, said outer wall being rectangular in shape and having an area inclusive of the area of a bill to be carried, said inner wall being formed of two spaced inner wall members each forming an extension of the outer wall member; a bridging member of rectangular shape; a two part connecting wall member attached along one edge to the inner wall and along the opposite edge to the bridging member, all of said members forming one continuous flexible blank and said bridging member, said connecting wall and said inner wall being successively folded upon each other and upon the outer wall; means for permanently securing the end edges of the outer wall to the end edges of the inner wall; and a divider member between the outer wall and the connecting wall attached at its ends to the bridging member.

2,456,301
PROCESS AND APPARATUS FOR DRYING TEXTILES
Paul L. Miller and Fred T. Miller, Clearwater, S. C., assignors to United Merchants & Manufacturers, Inc., Wilmington, Del., a corporation of Delaware
Application September 14, 1943, Serial No. 502,260
3 Claims. (Cl. 34—18)

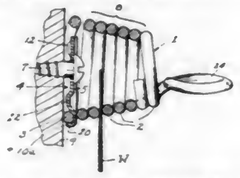
1. The process of drying wet fabric which comprises continuously passing said fabric through a flame chamber in closely juxtaposed and spaced

relation to an incandescent refractory body; directly exposing the fabric to said body for a time sufficient to volatilize a substantial proportion of water from said fabric and convert it into steam; mixing said steam with hot combustion gases, passing the fabric through a convection heat



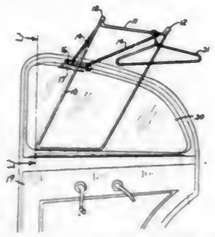
chamber, introducing said mixture of steam and combustion gases to said convection heat chamber from opposite sides thereof and in direct heat exchange relation with said fabric in order to complete the drying of the fabric, and recirculating said mixture through said convection heat chamber only in contact with said fabric.

2,456,302
SUPPORTING DEVICE
Ladimer M. Mocnik, Cleveland, Ohio
Application August 16, 1944, Serial No. 549,723
8 Claims. (Cl. 248—303)



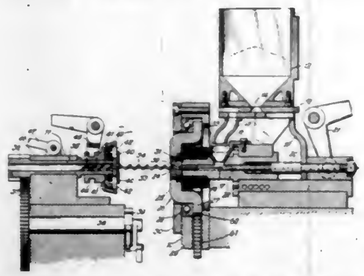
1. A device of the class described comprising a base in the form of a disc adapted to be secured to a generally flat surface and having a marginal flange, said flange being interrupted at one side of the disc, and a member in the nature of a helical spring having a terminal coil supported for more than half its circumferential extent by inner surface portions of the flange and adjacent marginal portions of the disc, said terminal coil being insertable into supported relationship to the base at the region of interruption of the flange.

2,456,303
CLOTHES RACK FOR AUTOMOBILES
James E. Mogan, Denver, Colo.
Application October 20, 1947, Serial No. 780,883
5 Claims. (Cl. 224—29)



5. A garment-supporting device for automobiles having an elevatable glass pane mounted in a surrounding window frame, comprising: an open rigid frame adapted to rest at its lower extremity on said window frame against said pane; a hanger bar extending horizontally across the upper extremity of said frame; flexible members extending from the upper extremity of said rigid frame; an attachment bar connecting the free extremities of said flexible members; a flexible pad formed over and surrounding said attachment bar and extending sidewardly therefrom; dowel members in the edge of said pad opposite to said bar for thickening said edge, said pad being adapted to be placed over the upper edge of said pane to be forced upwardly by elevating the latter, said flexible members being sufficiently long to support said rigid frame in an inclined position so as to place said hanger bar a substantial distance from the inside of said pane; and raised extremities on said hanger bar acting to retain conventional garment hangers thereon.

2,456,304
METHOD OF FORMING COAXIAL CABLES
Louis H. Morin, Bronx, N. Y.
Application April 25, 1944, Serial No. 532,660
3 Claims. (Cl. 18—59)

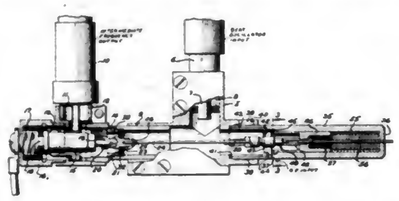


1. The method of die casting a helically shaped insulator upon a conductor which comprises casting upon a length of said conductor a section of insulating material by injecting said material in the plastic state into one end of a helically shaped cavity of a die through which said conductor extends, simultaneously gripping the conductor between a pair of jaws at a point beyond the other end of said cavity during said casting step, releasing the grip on the conductor after the casting step by opening said jaws, moving the jaws closer to the die while coincidently rotating said jaws about the conductor, regripping the conductor between said jaws, moving the jaws and the conductor away from the die while rotating the latter to pull said cast section out of the die and bring another length of conductor therein, and casting another section of insulating material on the conductor by injecting said material in the plastic state into said die cavity simultaneously with the movement of the conductor therethrough.

2,456,305
CLOSURE DEVICE FOR CRYSTAL CONVERTERS
Wilbur L. Nelson, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 22, 1944, Serial No. 555,367
7 Claims. (Cl. 250—31)

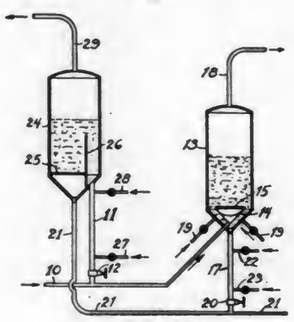
1. In a crystal converter having a series connected crystal in a coaxial line, a valve controlling an ultra high frequency input passage to the coaxial line, and means for closing said

passage comprising a cylindrical member having a seat formed thereon and positioned in the coaxial line, a cap member biased to engage said



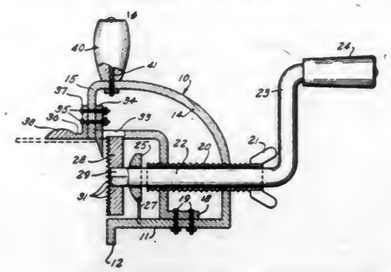
seat and close said passage, and means to hold the cap member out of engagement with the seat when the converter is in use.

2,456,306
CONVERSION OF HYDROCARBON OILS WITH FINELY DIVIDED CATALYST
Edward W. S. Nicholson, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 10, 1943, Serial No. 501,741
6 Claims. (Cl. 196—52)



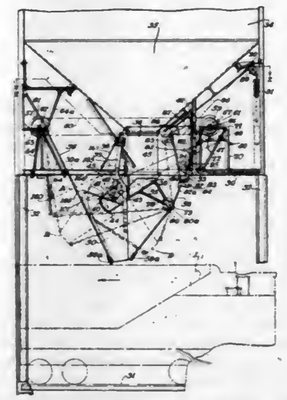
1. A process for the catalytic cracking of hydrocarbon oils which comprises passing the oil through a layer of cracking catalyst in powder form and contained within a cracking chamber, said powder comprising a mixture of relatively coarse synthetic cracking catalyst and relatively fine clay, continuously charging to said cracking chamber a major portion of a synthetic cracking catalyst in the form of particles of relatively large size and a minor portion of from 5 to 30 weight per cent based upon said synthetic cracking catalyst of a fine clay ranging from 1 to 25 microns in diameter, separately withdrawing a stream of said powder from the bottom portion of said cracking chamber independently of said oil vapors at a rate sufficient to maintain the level of said powder a substantial distance below the top of said cracking chamber, regulating the velocity of the oil vapors rising through said chamber to maintain said layer of powder in a turbulent state, keeping the oil vapors in contact with the layer of catalyst powder at cracking temperature for a period sufficient to obtain the desired conversion thereof, withdrawing vaporous cracked products from the upper portion of said cracking chamber and fractionating the cracked products to segregate a desired fraction therefrom.

2,456,307
CAN OPENER
Wayland J. Noblett, Long Beach, Calif.
Application May 20, 1947, Serial No. 749,200
8 Claims. (Cl. 30—8)



1. A can opener comprising a continuous metal frame having a base portion arranged to contact a can wall at one end and extend substantially at right angles to said can wall, a pair of substantially parallel leg portions extending upwardly from said base portion, a guide portion overlying the upper end of the can, and a standard portion extending upwardly from said guide portion; a blade secured to said standard portion and extending downwardly through said guide portion; an externally screw threaded sleeve extending through internally threaded apertures in said leg portions; a shaft journalled in said sleeve and having a hand crank on the outer end thereof; a disk having a radially serrated inner face fixed on the inner end of said shaft in position to engage a can upper rim and rotate the can against said blade; and a thrust washer interposed between the inner end of said sleeve and said disk whereby rotation of said sleeve in said leg portions will force said disk into operative engagement with said can rim.

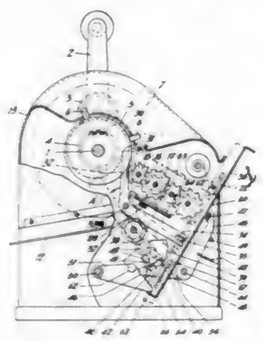
2,456,308
LOCOMOTIVE COALING APPARATUS
James E. O'Brien, Cleveland, Ohio
Application May 26, 1944, Serial No. 537,469
4 Claims. (Cl. 214—41)



1. In an apparatus of the character described, the combination of a railroad coating hopper having a coal discharge throat structure sloping downwardly over a railroad track, a closed type

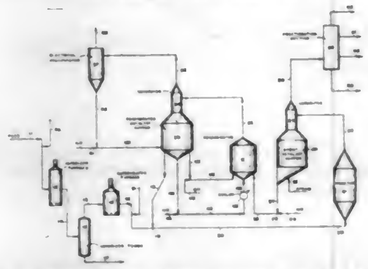
coaling chute, said chute having one open end adapted to overlie the discharge end of said throat, means for pivotally supporting said chute on an axis extending in a direction transversely of the railroad track and through said throat whereby said chute may be raised to a substantially horizontal position and extending in the general direction of the slope of said throat and having one edge of said end extending adjacent the lower edge of the discharge opening of said throat and the opposite edge of said end opening extended to lie adjacent the upper side of said throat, and whereby said chute may be swung from said substantially horizontal position about said axis downwardly and to a position in which it slopes in the opposite direction from the slope of said throat, the said one edge of the chute being adapted to lie transversely of the bottom side of said throat and said opposite edge being adapted to lie substantially in a horizontal plane through the upper edge of the discharge opening of said throat and spaced from said upper edge for forming a coal passage therebetween, and means for swinging said chute about its axis.

2,456,309
POSTAL FRANKING MACHINE
Knut Odén, Stockholm, Sweden, assignor to Aktiebolaget Hadar Schmidt, Stockholm, Sweden, a corporation of Sweden
Application April 13, 1944, Serial No. 530,905
In Sweden March 23, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 23, 1963
8 Claims. (Cl. 101—68)



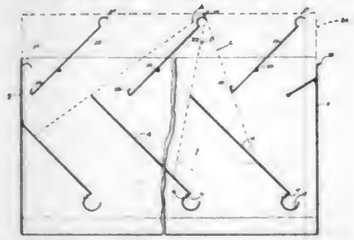
1. In a machine for printing franking values directly on letters inserted into the same, comprising, in combination, operating means for the franking mechanism, a holder for a pre-paid strip, an accumulating register for the total postage value of the franking operations, type elements mounted on one side of said holder and connected with said accumulating register to be set by the same, a second holder for a daily delivery report form, additional type elements mounted on one side of the second holder and connected with said total accumulating register to be set by the same, pressing means mounted on the opposite side of the first holder to cooperate with the first-mentioned type elements to print the total value of the franking operations on said pre-paid strip, additional pressing means mounted on the opposite side of the second holder to cooperate with the additional type elements to print the total value of the franking operations on said daily delivery report form, and operating means for said additional pressing means.

2,456,310
OPERATION OF A FLUID CATALYTIC CONVERSION UNIT
Franklin M. Orr, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application April 9, 1947, Serial No. 740,301
10 Claims. (Cl. 196—52)



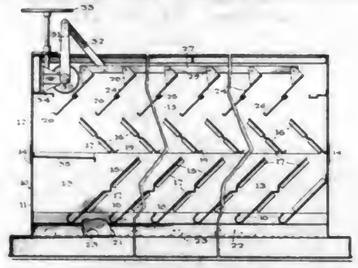
1. In a shutting down procedure for a catalytic conversion unit in which a fluidized powdered catalyst is continuously circulated during the conversion process through a reaction zone, a spent catalyst retention zone, and a regeneration zone and in which hydrocarbon is fed to the reaction zone, the steps of discontinuing the supply of hydrocarbon to the reaction zone while maintaining the flow of catalyst to said reaction zone, admitting a quantity of steam to said reaction zone at a temperature below the conversion temperature in said zone sufficient to maintain the catalyst in a fluidized state, discontinuing the flow of catalyst to the reaction zone and increasing the flow of steam to the reaction zone to transfer the catalyst contained therein to said spent catalyst retention zone, transferring said spent catalyst from said retention zone to the regeneration zone while maintaining an average fluid velocity in the regenerator vessel within the range of 2.7 to 3.1 feet per second and the amount of catalyst in the regenerator vessel below 800 pounds per square foot of cross sectional area of the vessel.

2,456,311
VENTILATOR
Bertie K. Paget, Detroit, Mich.
Application February 7, 1944, Serial No. 521,303
4 Claims. (Cl. 98—42)



1. A ventilator comprising a casing having side and end walls, a series of spaced, inclined baffles arranged transversely of said casing, drainage devices carried by the lower edges of said baffles comprising a trough having a width sufficient to catch moisture moving down the upper end and lower sides of said baffles, means to support said trough by said baffle having openings therein to permit moisture condensed on the lower side of the baffle to flow to said trough.

2,456,312
VENTILATOR
Bertie K. Paget, Detroit, Mich.
Application May 24, 1945, Serial No. 595,547
6 Claims. (Cl. 98—42)



1. A ventilator comprising a rectangular substantially horizontally disposed casing, a series of inclined baffles mounted near the bottom of the casing dividing the upwardly moving ventilating air into a series of parallel air streams, a second series of inclined baffles mounted in the casing above the first named series and offset horizontally with respect thereto and inclined in a direction opposite to the inclination of said first mentioned series of baffles so as to divide the ventilating air at the outlet of the said first series, and a third series of inclined baffles above the second series similarly offset to divide the ventilating air at the outlet of the second series and conduct such air to the atmosphere, means associated with at least one series of baffles for collecting any water flowing over said baffles and means for disposing of the water collected by said first-mentioned means.

2,456,313
PIGMENT COMPOSITIONS
Burt Carlton Pratt, Brandywine Hundred, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 16, 1944, Serial No. 522,667
3 Claims. (Cl. 106—290)

1. A pigment composition the pigment content of which consists essentially of a mixture of discrete particles of non-magnetic flake metal pigment with discrete particles of ferromagnetic metal pigment and in which substantially all the metal flakes contained in said composition are susceptible to magnetic orientation when contained in an undried paint film, said pigment composition containing in preponderant amount thin aluminum flake pigment and from 10% to 25% by weight of the pigment mixture of ferromagnetic metal pigment.

2,456,314
SATURATED LINEAR POLYESTERS OF MERCAPTODICARBOXYLIC ACIDS WITH DIHYDRIC ALCOHOLS
Burt Carlton Pratt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 11, 1945, Serial No. 610,402
6 Claims. (Cl. 260—75)

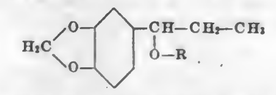
1. A saturated linear polyester, having thiol groups as substituents on the linear chain, of substantially equimolecular amounts of a saturated aliphatic mercaptodicarboxylic acid containing only carbon, hydrogen, mercaptan sulfur and carboxyl oxygen with a saturated aliphatic dihydric alcohol containing only carbon, hydrogen and hydroxyl oxygen.

2,456,315
PROCESS FOR MAKING AMINES
William W. Prichard, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 27, 1946, Serial No. 650,737
5 Claims. (Cl. 260—563)

1. A process for making amines which comprises heating at a temperature of from 50° C. to 200° C. in contact with hydrogen under a pressure of at least 100 pounds per square inch and a hydrogenation catalyst a carboxylic acid diester of a 1,1-glycol and at least one mole per mole of diester of a substance selected from the group consisting of ammonia, primary amines, and secondary amines, the amino group in said amines being the sole functional group contained therein.

2,456,316
METHOD FOR PRODUCING α-ETHYL-PIPERONYL ETHERS
Edward A. Prill, Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc., a corporation of New York
No Drawing. Application June 10, 1947, Serial No. 753,799
5 Claims. (Cl. 260—338)

3. The process of producing an organic compound represented by the formula:

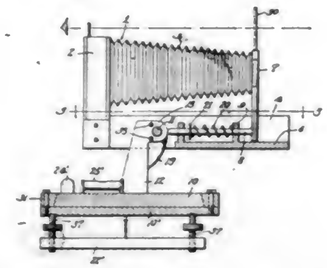


wherein R and in the compound HOR is an aliphatic hydrocarbon radical containing between 4 and 13 carbon atoms and which is interrupted by at least one ethereal oxygen atom, the method step comprising the condensation of equimolar quantities of an isosafrole hydrohalide of the group consisting of isosafrole hydrochloride and isosafrole hydrobromide and a compound of the formula HOR with the elimination of an equimolar quantity of hydrogen halide in the presence of a hydrogen halide acceptor selected from the group consisting of alkali and alkaline earth metal carbonate and hydroxides activated with a small catalytic quantity of an organic nitrogen base.

2,456,317
AUTOMATIC FOCUSING OF CAMERAS
Jacob Rabinow, Washington, D. C.
Application February 13, 1946, Serial No. 647,327
4 Claims. (Cl. 95—45)

1. A camera adapted to remain automatically focussed on an object plane substantially removed from a fixed position of said camera, comprising: supporting means for said camera, first pivot means on said supporting means constructed and arranged to permit rotation of said camera about an axis perpendicular to the object plane; a support for a sensitive image receiving surface in said camera and a lens board movable to and from said sensitive surface to focus the camera; second pivot means between said supporting means and said camera constructed and arranged to permit rotation of said

camera about an axis parallel to the said object plane and perpendicular to the lens axis; motion-controlling means operably connected between said supporting means and said lens board to move said lens board relative to said sensitive surface; means for initially adjusting said



motion controlling means to adjust the camera focus for the distance between the camera and the said object plane; said motion controlling means being arranged and proportioned to maintain the camera focussed on said object plane as said camera is rotated on said second pivot means.

2,456,318

ESTERS OF P-DI(OMEGA-HYDROXY-ALKOXY)BENZENES

Edward O. Ramler, North Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 29, 1946, Serial No. 673,156

4 Claims. (Cl. 260—83)

1. As new compounds, p-di(beta-hydroxyethoxy)benzenes in which both hydroxy groups are esterified with an acid from the group consisting of acrylic acid, chloroacrylic, methacrylic, ethacrylic, and crotonic acids.

2,456,319

SAFETY WRIST WATCH STRAP

Henry R. Read, Queens Village, N. Y.

Application January 19, 1946, Serial No. 642,314

2 Claims. (Cl. 224—4)



1. A safety wrist watch strap comprising a two-piece wrist encircling band formed with spring pin engaging loops at the adjacent ends of said pieces, and a safety link having looped ends slidably positioned over the two pieces of said wrist encircling band laterally of said spring pin engaging loops adapted to underlie a wrist watch when supported by said spring pins for preventing the loss of said watch and strap should a spring pin become disengaged from said watch.

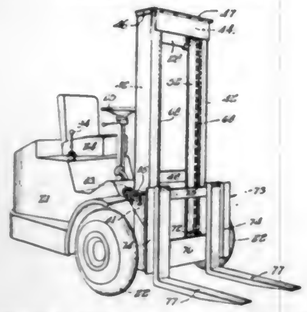
2,456,320

LIFT TRUCK

Edward P. Repke, Coloma, Mich., assignor to The Ross Carrier Company, Benton Harbor, Mich., a corporation of Michigan

Application February 24, 1947, Serial No. 730,355

1 Claim. (Cl. 214—113)



In a vehicle-truck lift of known general form having a first upstanding frame on the front portion of the truck, means rockingly mounting said first frame on said truck to tilt forwardly or rearwardly, hydraulic-means to so tilt said frame and the parts which it carries, a second upstanding frame slidable up and down on said first frame, a load lifting frame, a load lifting and lowering member, a pair of chains each connected to said first frame and to said load lifting and lowering member, and a pair of sprocket-wheels on said second frame intermeshing individually with said chains, the novel combination of a rotarily mounted shaft on the upper portion of said second frame on which shaft said sprocket-wheels are fixed to rotate in unison with the shaft, a pair of upstanding hydraulic-cylinders and their pistons spaced apart horizontally to afford between them front visibility to the operator of the truck, means securing said pistons to said second frame, and means to admit operating fluid under pressure into, and to discharge it from, at least one of said cylinders to operate said lift, and means to feed operating fluid into and from said hydraulic-means to tilt said combined frames simultaneously selectively either forwardly or rearwardly.

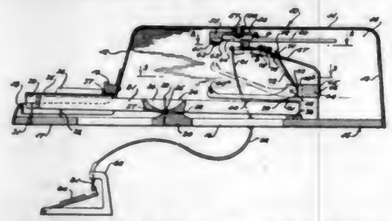
2,456,321

PIANO DAMPENING MECHANISM

Harold B. Rhodes, Los Angeles, Calif.

Application November 19, 1947, Serial No. 786,951

11 Claims. (Cl. 84—404)



1. In a piano of the type wherein a tone bar having a plurality of vibratory rods carried thereby is secured to the undersurface of a resonant case, a plurality of piano action assemblies for the rods, each assembly comprising a key pivoted intermediate its ends and projecting forwardly and rearwardly, a hammer pivoted adjacent its rear end, projecting forwardly and having a curved undersurface lying upon the rear end of the key, a spring finger projecting into proximity to the corresponding rod, a cushion carried by the free end of the spring and a flexible strap connection between the spring and the rear end of the hammer beyond the pivot thereof, whereby, when the upward swinging movement of the forward end of the hammer commences, said connection moves downwardly to withdraw the cushion from the rod.

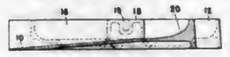
2,456,322

SIMULATED GOLF TARGET UNIT

Marshall L. Richardson, Wakefield, Mass.

Application January 2, 1947, Serial No. 719,873

3 Claims. (Cl. 273—32)



1. A game apparatus consisting of a plate adapted to rest on a floor, said plate having an elevated central boss, a horizontal platform in the shape of three quadrants of a circle about said central boss, said platform being above the floor level and having a plurality of depressions therein, a ramp leading from the floor level to the platform level in a tangential direction, and guide rails along the sides of the ramp and the periphery of the platform.

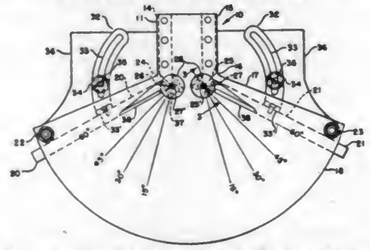
2,456,323

RADIATING HORN

Jacob R. Risser, Belmont, and Raymond J. Wlodkowski, Attleboro, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War

Application January 3, 1946, Serial No. 638,888

4 Claims. (Cl. 250—33.63)



4. A precision test apparatus for predetermining the radiation patterns and impedance characteristics of radiating horn elements and of transition sections between uniform and tapered wave guide, comprising a horn, including a wave guide portion including side walls and a flared portion in communication therewith, the flared portion of the horn having side plates which are movable, the adjacent ends of said movable plates and of said side walls being brought substantially to knife edges at the inside corners thereof, said adjacent knife edges being in very close parallel relation, and means for rotatably mounting said movable plates so that each of said movable plates is adapted to rotate about its knife edge as an axis.

2,456,324

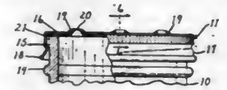
INSECTICIDE DISPENSER

William L. Roessner, Denver, Colo.

Application July 25, 1945, Serial No. 606,962

3 Claims. (Cl. 43—131)

2. In a jar-like container for liquid insecticides having an open end, a supporting closure and dispensing means for said container comprising a closure wall fitted over the open end of said container and embracing the side walls thereof adjacent the opening, said end closure wall consisting of an outer non-absorbent part and an inner absorbent lining having a series of hollow protuberances extending outwardly therefrom, the walls of the protuberances being thinner at their outer ends than at their bases, and said protuberances being arranged adjacent the side



walls of the container to obtain rigid support therefrom, whereby the outer ends of said protuberances consisting of the non-absorbent part only may be readily removed to provide dispensing openings therethrough by abrasion of said ends on an abrasive surface without forming an opening in the lining and distortion or collapsing thereof or of said end wall for subsequent steady support of the inverted container in spaced relation to a supporting surface.

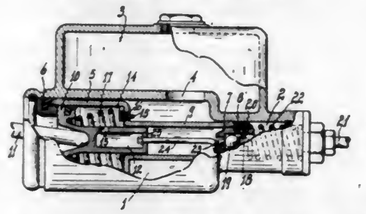
2,456,325

PRESSURE CYLINDER FOR HYDRAULIC BRAKES

Albert E. Roy, Glendale, Calif.

Application July 31, 1944, Serial No. 547,426

11 Claims. (Cl. 60—54.6)



11. A pressure cylinder for hydraulic brakes comprising a primary cylinder of relatively large diameter, a high-pressure cylinder of less diameter coaxial with said primary cylinder, a piston element common to both cylinders having a piston head on the end thereof in said high-pressure cylinder, a low-pressure piston reciprocally mounted in said primary cylinder, means for actuating said low-pressure piston, said piston element having a liquid passage extending longitudinally therethrough from said primary cylinder to said high-pressure cylinder, valve means controlling said passage, and valve tripping means operative by retraction of said low pressure piston to open said valve and permit fluid to return to said primary cylinder.

2,456,326

PREPARATION OF SUPPORTED ALUMINUM CHLORIDE CATALYSTS

Walter H. Rupp, Mountainside, and Clarke T. Harding, Hillside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original application August 17, 1943, Serial No. 498,974. Divided and this application May 20, 1944, Serial No. 536,642

4 Claims. (Cl. 252—250)

1. A process for the production of a catalysu mass useful in the isomerization of normal paraffins to isoparaffins which consists of dehydrating

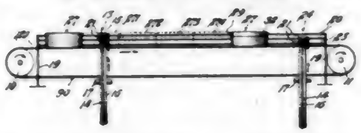
a bauxite containing more than 3 weight per cent of water by passing anhydrous butane at between about 250° F. and about 350° F., under from about 0 to 100 pounds per square inch gauge pressure, through the bauxite until the water content thereof is between about 1.5% and about 3% by weight, followed by passing anhydrous butane under substantially the same temperature and pressure conditions in contact with aluminum chloride also maintained under substantially the same temperature and pressure conditions and passing the resultant vapor admixture through the said dehydrated bauxite mass whereby the aluminum chloride is impregnated thereinto.

2,456,327

METHOD OF AND MEANS FOR SLABBING CAKES

Joseph H. Sauter, Rutherford, N. J., and Joseph Edmund Byrne, New Rochelle, N. Y., assignors to General Baking Company, New York, N. Y., a corporation of New York

Application December 13, 1945, Serial No. 634,796
10 Claims. (Cl. 146—241)



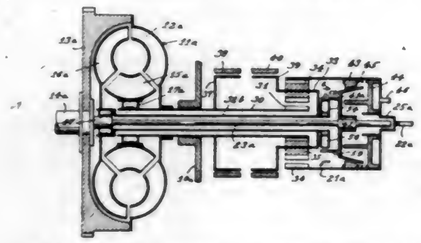
1. A method of slabbing a cake of crumbly material into layers, comprising moving such a cake forward first past a top layering moving cutter, forming a substantially horizontal cut through the cake to define a top layer as the cake is moved past said moving cutter without layer removal and without substantially disturbing the material in the cut faces, moving the cut cake with its defined layer at the top thereof again forward now past a second layering moving cutter, and forming a second substantially horizontal cut through the cake along a plane lower than the plane of the first cut to define a lower second layer as the cut cake is moved past said second cutter without layer removal and without substantially disturbing the material in the cut faces.

2,456,328

VARIABLE SPEED TRANSMISSION

Adolf G. Schneider, Muncie, Ind., assignor, by mesne assignments, to Schneider Brothers Company, a copartnership composed of Heinrich Schneider and Viva Schneider, both of Hamilton, Ohio, and Adolf G. Schneider and Erna Schneider, both of Muncie, Ind.

Application February 27, 1941, Serial No. 380,792
28 Claims. (Cl. 74—189.5)



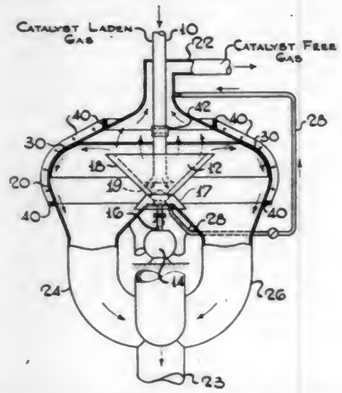
1. A torque multiplying device comprising a driving shaft and a driven shaft, an impeller, a turbine rotatably mounted by means of a sleeve on an extension of the driving shaft, a planetary gear system connecting the turbine by means of said sleeve with the driven shaft, said planetary gear system comprising a sun gear and a ring gear and one or more pairs of intermeshed planetary gears between the sun gear and ring gear, one of each pair meshing with the sun gear and the other with the ring gear, the planetary gears being carried on a cage turning with said sleeve, said ring gear turning with the driven shaft, a brake drum carried by said sleeve, a brake means, means for applying the brake means to the drum, whereby the driven shaft may be caused to rotate in a direction opposite to the direction of rotation of the driving shaft, a second sleeve rotatably mounted on the first sleeve and having said sun gear turning therewith, a reaction member mounted on the second sleeve, a brake drum carried by the second sleeve, a brake means, means for applying the brake means to said drum, and clutch means for connecting the driving shaft extension directly with the driven shaft.

2,456,329

DUST SEPARATOR EQUIPMENT

Erle F. Schoder, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application October 12, 1945, Serial No. 622,072
1 Claim. (Cl. 183—77)



Apparatus for separating finely divided solid materials from gaseous carrier materials comprising a housing, outlet means for the withdrawal of gaseous materials substantially free of solid materials arranged centrally of the top portion of said housing, a rotatable separator bowl of inverted substantially conical shape arranged centrally of the said housing, a plurality of vanes arranged on the inner walls of said rotatable separator bowl, a conical member forming the base of said separator bowl for deflecting materials to the inner walls of said separator bowl, inlet pipe means for the supply of mixtures of finely divided solid materials and gaseous carrier materials to said separator bowl, said inlet pipe means being arranged centrally of the rotatable separator bowl and being flared at its lower end for smooth discharge of incoming mixture directly against said conical member forming the base of said separator bowl, means for rapidly rotating said separator bowl and means for withdrawing separated solid materials from the bottom portion of said housing.

2,456,330

ANTIRATTLING DEVICE FOR ANTENNA MASTS

Russell J. Scott, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich., a corporation of Michigan

Application September 4, 1945, Serial No. 614,349
2 Claims. (Cl. 250—33)



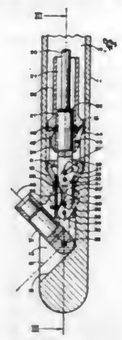
2. In combination with the telescopically engaged cross-sectionally circularly shaped sections of an antenna mast, a length of helically formed strip-like electrically conductive spring material of cross-sectional arcuate shape in and disposed generally longitudinally of one of said sections and spirally engaged about and along an adjacent portion of the other section, the degree of curvature of the arcuate cross-sectionally shaped strip-like spring material being greater than the degrees of the cross-sectional curvature of adjacent portions of said telescopically engaged sections, whereby to effect yieldable and frictional contact between said strip-like spring material and said sections.

2,456,331

CORE BARREL

Benjamin W. Sewell, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware

Application May 2, 1944, Serial No. 533,725
13 Claims. (Cl. 255—1.4)



5. A sidewall pressure-retaining core assembly to recover a core on the surface of the ground at the same pressure that the core left the formation, comprising an elongated tubular member, a pressure barrel adapted to be lowered into and raised completely out of the elongated tubular member, a seat on the lower end of the elongated tubular member to support the pressure barrel, an open-ended core receiving tube, suspending means connected to said core receiving tube arranged to suspend the core receiving tube below the pressure barrel with its open end free for transverse movement when in a lower position and to retract the core receiving tube into said pressure barrel when in an upper position and cooperating with the pressure barrel and elongated tubular member to lock releasably to the pressure barrel and elongated tubular member when in its lower position, a guide means on the elongated tubular member arranged to project the open end of the core receiving tube transversely outwardly when the pressure barrel is supported by the seat and the suspending means is in its lower position, means associated with the suspending means to receive lifting means lowered within the elongated tubular member to release the suspending means from the elongated tubular member and the pressure barrel, to retract the core receiving tube wholly within the pressure barrel and to lift the pressure barrel completely out of the elongated tubular member when the coring is completed, and means associated with the barrel to make the barrel pressure-tight after the core receiving tube is retracted wholly within said barrel.

2,456,332

HARDWARE PACKAGE AND DISPLAY

Rome C. Seyforth, Shelby, Ohio, assignor to The Shelby Metal Products Company, Shelby, Ohio, a corporation of Ohio

Application October 4, 1945, Serial No. 620,201
1 Claim. (Cl. 206—80)



In a display device for hardware and like articles requiring screws or equivalent headed fasteners, the combination with a card having a face portion adapted to have such article attached thereto and a series of apertures adapted to receive such fasteners with their shanks projecting therethrough, of a separate flat strip of paper frictionally carrying such fasteners in proper spaced relation to be received in such apertures, and a flap extension to said card adapted to be folded against the back thereof in overlying relation to said strip, said strip and the fasteners carried thereby being held from displacement longitudinally and laterally relative to said card by the apertures in said card through which the shanks of such fasteners project.

2,456,333

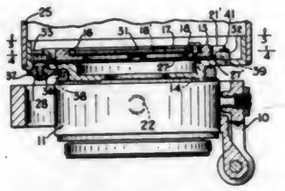
PHOTOGRAMMETRIC PROJECTION APPARATUS AND DIAPOSITIVE ADJUSTMENT MEANS

John V. Sharp, Brighton, and Olin W. Boughton, Victor, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application October 24, 1947, Serial No. 781,964
4 Claims. (Cl. 88—24)

1. In a projector for photogrammetric apparatus having a support, stage means on the support for adjustably holding a diapositive carrying a principal point mark, means including an optical system for projecting an image of the diapositive, and means for moving the stage means trans-

versely of the axis of the optical system, the combination of an arm pivotally mounted on the support, a transparent plate carried by the arm, said plate having an index mark thereon and said arm being adapted to be selectively swung so as to place said plate substantially across the optical axis of said optical system adjacent to the diaposi-



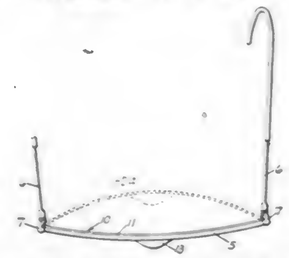
tive, and stop means against which said arm engages to place the index mark in registry with said optical axis whereby the diapositive may be moved to place its principal point mark on said optical axis in alignment with said index mark, the relative position of said marks being revealed upon simultaneous projection into said image.

2,456,334

PROTECTIVE GOGGLE

Harry F. Shindel, Reading, Pa., assignor to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania

Application July 29, 1947, Serial No. 764,312
4 Claims. (Cl. 2—14)



1. A spectacle type of protective goggles comprising, a flexible lens extending across both eyes, and a detachable mounting frame therefor, said frame consisting of a transverse bar extending horizontally across the face above the line of vision and having ears extending from the ends thereof, temples pivotally connected to said ears, said lens having a flat width greater than the lateral spread between said ears, and a notch adjacent the top of each side edge of said lens adapted to be engaged with a corresponding ear by width-narrowing bowing of said lens and retained in seated engagement therewith by contact of a top portion of said lens with said transverse bar.

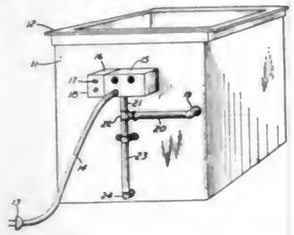
2,456,335

DEGREASING

James J. Skelly, Cleveland Heights, and Eldon K. Ralston, University Heights, Ohio, assignors to Circo Products Company, Cleveland, Ohio, a corporation of Ohio

Application August 20, 1946, Serial No. 691,686
24 Claims. (Cl. 219—38)

1. A degreaser comprising a tank for containing a solvent, a stand-by heater, a degreasing heater, a thermostat affected by solvent vapor, means for initiating operation of both heaters, lockout means controlled by the thermostat for terminating operation of the degreasing heater, means for deenergizing the heaters, and means



controlled by the thermostat for regulating the operation of the stand-by heater until the deenergizing means is operated.

2,456,336

AGENT AND MINERAL OIL LUBRICANT COMPOSITIONS CONTAINING THE SAME

Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application March 24, 1947, Serial No. 736,618
18 Claims. (Cl. 252—46.6)

1. The process of preparing an improvement agent for mineral oil lubricants which comprises heating an essentially paraffinic base lubricating oil with phosphorus pentasulfide in the presence of a surface active silica-containing solid catalyst at a temperature of from 300° F. to a maximum temperature below the minimum cracking temperature of said lubricating oil to incorporate phosphorus and sulfur in said lubricating oil, and recovering the reaction product.

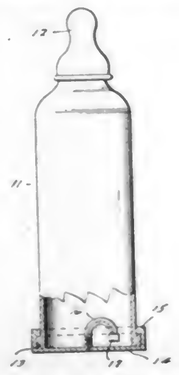
14. A lubricant composition comprising a major amount of a mineral lubricating oil and a minor amount, sufficient to confer improved pressure-carrying, antioxidant and corrosion-inhibiting properties on the composition, of the product obtained by the process of claim 1.

2,456,337

SANITARY NURSING BOTTLE

Roy M. Soper, Tacoma, Wash.

Application April 19, 1946, Serial No. 663,351
3 Claims. (Cl. 215—11)



1. In a nursing bottle, a bottom wall and an upstanding flexible tube carried by said bottom

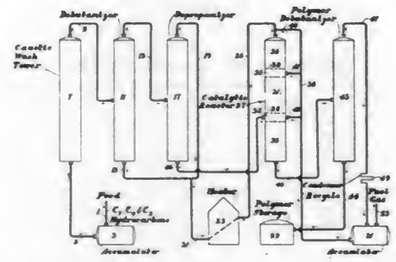
wall, said tube having a passage therethrough communicating with the atmosphere when the tube is in upright position, and a weight on the upper end of said tube and normally inherently biasing the tube to a laterally bent drooping position to close said passage.

2,456,338

CATALYTIC POLYMERIZATION OF OLEFINIC HYDROCARBONS

John J. Stadtherr, Newark, Ohio, assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application March 26, 1945, Serial No. 584,979
9 Claims. (Cl. 260—683.15)



1. The method of converting stabilizer gases from an oil cracking operation, having the following approximate composition:

CH_4	6.0
C_2 hydrocarbons	19.2
C_3 hydrocarbons	34.2
C_4 hydrocarbons	35.6
C_5 hydrocarbons	5.0

to hydrocarbons boiling within the gasoline range comprising separating said gases into a fraction composed chiefly of C_4 hydrocarbons and a fraction comprised chiefly of C_2, C_3 and C_5 hydrocarbons, subjecting the C_2, C_3 and C_5 fraction to polymerization in the presence of a solid phosphorus acid catalyst in a first zone, heating the C_4 fraction by means of the reaction products from the C_2, C_3 and C_5 polymerization stage and subjecting the C_4 fraction to catalytic polymerization in a second zone in the presence of a solid phosphoric acid catalyst at a temperature lower than the temperature of the zone in which the C_2, C_3 and C_5 fraction is polymerized.

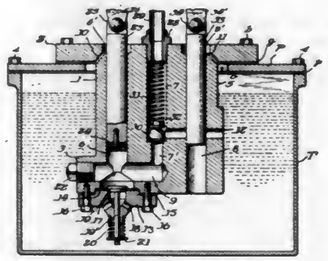
2,456,339

PUMP CONSTRUCTION

Darwin B. Stricklin, Milwaukee, Wis.

Application June 25, 1946, Serial No. 679,158
1 Claim. (Cl. 103—41)

A body block for pumps, consisting of a single piece of material, a flange integral with the upper side of the block extending horizontally and outwardly therefrom entirely thereabout and having its under surface flat throughout the entire area thereof, said body having a plurality of spaced and parallel vertically disposed straight bores therein opening onto its upper side inwardly of said flange, certain of said bores terminating in the block in spaced relation to its lower side, and the remaining bore extending entirely through the block and opening onto its lower side, a portion of said block intermediately of its upper and lower sides having a straight horizontal bore therein opening onto one vertical side thereof and its inner end terminated within the block, said horizontal bore communicating with the lower ends of said certain bores, means normally closing the outer end of said straight horizontal bore, an intermediate and lower side portion of the horizontal bore opening onto said lower side of the body, another portion of the body having a second straight horizontal bore therein communicating with one of said certain bores and said remaining bore intermediately of the opposite ends of the latter bore and opening onto the opposite vertical side of the block, the upper ends of all said bores being enlarged adjacent and at their respective points of opening onto the upper



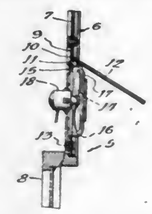
side of the block, and said block having downwardly directed drain openings in portions of the same communicating with the enlarged upper ends of said certain and remaining bores and opening onto said vertical sides of the block below the under side of said flange, a reciprocal plunger received in one of said certain bores and extending from its upper end, check valve means in the other of said certain bores adjacent its point of communication with the first mentioned horizontal bore, and a cylindrical valve reciprocally received in said remaining bore engageable over and across said second horizontal bore at its points of communication with said remaining bore.

2,456,340

VENTILATOR

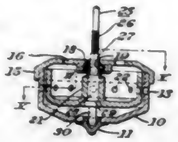
Harold F. Tideman, Kenilworth, Ill.

Application June 30, 1945, Serial No. 602,594
3 Claims. (Cl. 98—94)



1. A ventilating fan adapted to replace a window pane in a window comprising a supporting framework having an aperture therein, a fan carrying framework movable into and out of the aperture in said frame, and a closure for the aperture in said frame fixed to the fan carrying framework to move therewith, said closure and fan carrying framework being so positioned with respect to each other that when one is in the aperture in the frame the other one projects laterally from the frame.

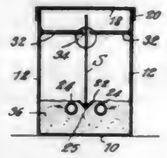
2,456,341
SIREN TOP
Oscar Thoresen, Pittsburgh, Pa.
Application October 3, 1946, Serial No. 700,962
4 Claims. (Cl. 46—66)



1. A siren top comprising, an outer spinner housing having a two-part interfitting construction, said outer housing having a substantially vertical side wall portion and a pair of spaced-apart and substantially horizontal wall portions defining a substantially circular primary air chamber therein, one of the horizontal wall portions of said outer housing having a series of spaced-apart holes therethrough for introducing air into said primary chamber, one of the horizontal wall portions of said outer housing having a spin tip rigidly secured thereto and extending substantially centrally-downwardly therefrom; a rotatable shaft extending between the horizontal wall portions of said outer housing and being substantially centrally journaled therein, said rotatable shaft having an upper length extending vertically above the horizontal wall portion of said outer housing that is opposite to the horizontal wall portion having said spin tip; a cup-shaped inner housing securely mounted on said rotatable shaft within said outer housing, said inner housing having a horizontal wall portion and a vertical side wall portion defining a secondary air chamber therein, the side wall portion of said inner housing terminating opposite to the horizontal wall portion thereof in a horizontal portion open to said primary air chamber, said inner housing being mounted on said rotatable shaft with its horizontal open portion in vertical alignment with and facing the spaced-apart holes through one of the horizontal portions of said outer housing; the side wall portion of said inner housing having a series of holes therethrough and in a spaced-apart relationship thereabout and entrant to said secondary air chamber; the side wall portion of said outer housing having a series of holes therethrough and in a spaced-apart relationship thereabout and entrant to said primary air chamber; the holes through said inner and outer housings being located on substantially the same horizontal plane with respect to each other to exhaust air from said secondary air chamber when they register with respect to each other; said rotatable shaft being constructed and arranged to directly actuate said inner housing and to indirectly actuate said outer housing through the journaling of said rotatable shaft to rotate said outer housing at a relatively lower speed than said inner housing.

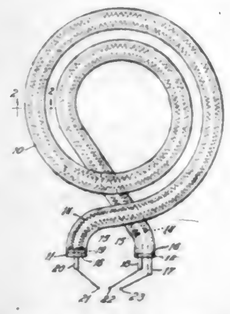
2,456,342
METHOD AND APPARATUS FOR DETERMINING THE APPROXIMATE AMOUNT OF OIL FILM ON AN ARTICLE
Paul F. Trevor, Bessemer, Ala., assignor to Tennessee Coal, Iron and Railroad Company, a corporation of Alabama
Application May 20, 1947, Serial No. 749,396
9 Claims. (Cl. 73—432)

5. The method of determining the approximate amount and distribution of an oil film on a metal sheet which comprises providing a body of flour within an enclosure, positioning a sheet in juxtaposition thereto within said enclosure, blowing jets of air through said flour so as to precipitate some of it on the oil film carried by the sheet and comparing the amount of thus precipitated flour with several like metal standard sheets, each having a definitely predetermined amount of oil thereon and flour adherent thereto.



9. An apparatus for determining the amount and distribution of oil film on an oil coated metal sheet comprising a container adapted to enclose the sheet, an angle bar having its vertex disposed downwardly so that the upwardly diverging flanges thereof coact to position the lower edge of the sheet, members extending laterally inward from the upper portion of the container walls, the inner ends of said members being spaced apart a sufficient distance to position the upper portion of the sheet, perforated pipes connected with a source of air pressure, said pipes being positioned in the lower part of said container whereby, when the container is supplied with comminuted oil absorbent material, the air discharged from the pipes creates an air-borne suspension of said comminuted material so as to precipitate some of the material on the oil film carried by said sheet.

2,456,343
ELECTRIC HEATER AND METHOD OF MAKING SAME
William R. Tuttle, Riverside, Ill., assignor to Tuttle & Kift, Inc., Chicago, Ill., a corporation of Illinois
Application December 6, 1944, Serial No. 566,855
14 Claims. (Cl. 201—67)

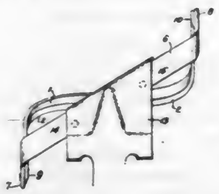


1. An electric heater of the class described comprising a metal sheath of preformed tubing which is bent into a crooked form having a correspondingly crooked non-rectilinear longitudinal axis and has at least two conductors therein correspondingly bent and extending lengthwise thereof, said tubing having insulating powder compressed therein into a hard dense mass within which said conductors are embedded in spaced apart relation throughout their length, and said conductors being connected together within one end of the tubing and each having at the other end of the tubing a separate terminal extending therefrom through that end of the tubing, at least one of said conductors being a helical resistance, said insulating powder and conductors conjointly occupying and completely filling the interior of the metal tube throughout the length of the latter between the ends of the conductors.

2,456,344
POLYAMIDES PLASTICIZED WITH A MIXTURE OF PHENOL AND ESTER TYPE PLASTICIZERS
Gordon T. Vaala, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1945, Serial No. 591,422
9 Claims. (Cl. 260—31.8)

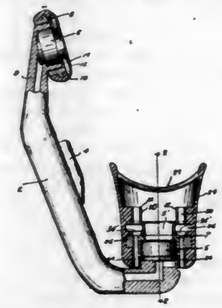
1. A composition of matter comprising a synthetic linear polyamide having an intrinsic viscosity of at least 0.4 plasticized with a mixture comprising a monomeric phenol plasticizer and a completely esterified ester of a carboxylic acid wherein the carboxyl carbon is attached to a hydrocarbon radical in which ester at least one carboxyl group of said carboxylic acid is esterified with an aliphatic carboalkoxy alcohol wherein the radical connecting the alcoholic hydroxyl and the carboalkoxy group is a saturated hydrocarbon radical and contains not more than 6 carbon atoms, any remaining carboxyl group not so esterified being esterified with an alcohol the non-hydroxyl portion of which is hydrocarbon, said polyamide on hydrolysis with hydrochloric acid yielding material selected from the group consisting of (*a*) monoaminomonocarboxylic acid hydrochloride, (*b*) a mixture of a diamine hydrochloride and dibasic carboxylic acid, and (*c*) a mixture of monoaminomonohydric alcohol hydrochloride and dibasic carboxylic acid, said mixture of phenol plasticizer and said ester being present in said composition of from 10% to 150% by weight of said polyamide, and said ester being present in said mixture in amount of from 25% to 100% by weight of said phenol plasticizer.

2,456,345
GARDEN HAND TOOL FOR SOIL CULTIVATION
Baldwin Vale, San Francisco, Calif.
Application July 26, 1947, Serial No. 763,831
3 Claims. (Cl. 97—65)



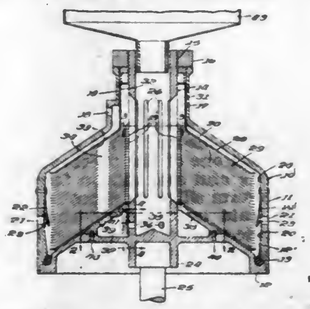
3. A garden tool comprising a handle; a back bar having its central portion fixed to said handle oblique to the axis of said handle; and a helicoidal cutting blade having its ends fixed to the opposite ends of said back bar; whereby the front and rear ends of said blade are respectively forward and rearward of the juncture of said back bar and handle.

2,456,346
SOUND SHIELD FOR TELEPHONE TRANSMITTERS
Paul S. Veneklasen, Saugus, Mass., assignor to the United States of America as represented by the Office of Scientific Research and Development
Application January 24, 1945, Serial No. 574,367
2 Claims. (Cl. 179—187)



2. In a noise shield of the class described, a cup-shaped member adapted to be secured around the periphery of a microphone and shaped to engage the face of a wearer around his mouth to form a voice chamber, an annular chamber formed around the cup adjacent its outer wall and at the rearward part thereof, and around a space symmetrically extending forwardly from the microphone when engaged in the shield, said annular chamber constituting a rearward boundary of the voice chamber, ducts being formed on the inner wall of the voice chamber at diametrically opposite sides in communication with the voice chamber and the interior of the annular chamber, said annular chamber having a substantial dimension longitudinally of the noise shield, ports formed in the rear wall of said annular chamber, and a plurality of ducts of smaller diameter than the first named ducts but in greater number extending from the annular chamber rearwardly to the atmosphere.

2,456,347
CENTRIFUGAL SEPARATOR
Hilmond O. Vogel, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 24, 1946, Serial No. 678,840
9 Claims. (Cl. 233—1)



1. A centrifugal separator, comprising in combination, a revoluble separating bowl, means for driving said bowl, a plurality of discharge ports

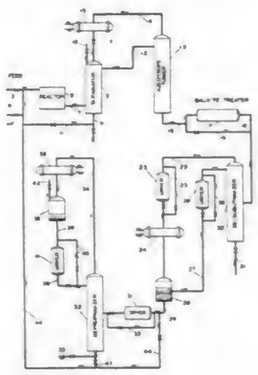
formed in the periphery of said bowl, port valves operable to open and close said ports, a pack of frusto-conical disks disposed within said bowl in spaced superposed relationship and having center holes in axial alinement to form a cylindrical space, a distributor tube projecting into said space, a plurality of circumferentially spaced and vertically extending outlets formed in said distributor tube, means for supplying liquid to be separated and washing liquid to said distributor tube, a distributor chamber formed at the lower end of said distributor tube, said chamber having a plurality of openings in communication with said disk pack, and spring operable valve means associated with said openings for regulating the discharge therethrough, said spring valves being centrifugally operable to open and close said openings and adapted to block the flow of liquid through said distributor chamber thereby diverting the liquid flow through the outlets of said distributor tube.

2,456,348

PREVENTION OF SILICEOUS DEPOSITS IN HYDROCARBON CONVERSION PROCESSES

Paul M. Waddill, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application July 12, 1945, Serial No. 604,598
3 Claims. (Cl. 260—683.4)



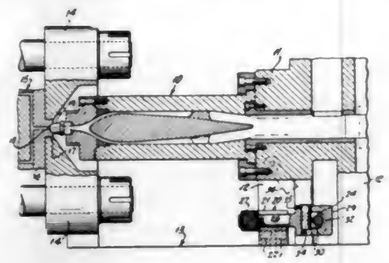
3. In a process for the conversion of hydrocarbons in the presence of a hydrofluoric acid catalyst in which a liquid hydrocarbon conversion effluent is contacted with a contact material active in removing organically combined fluorine and containing minor proportions of silica and thereby is contaminated with silicon tetrafluoride and with water in a concentration such that it is soluble in said conversion effluent, and in which components of a resulting hydrocarbon effluent are separated by at least one fractional distillation under conditions such that water is concentrated in at least one of the overhead effluents of the distillations and said silicon tetrafluoride is hydrolyzed to form siliceous deposits during condensation of said overhead effluents containing said concentrated water, the method for preventing the formation of such siliceous deposits which comprises decreasing the water content of at least a portion of said overhead effluents from which such deposits separate below the amount of water which is soluble in said condensed effluents by contacting said overhead effluents showing deposition with a drying agent.

2,456,349

LOCKING DEVICE

Robert S. Ward, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts

Application December 22, 1945, Serial No. 636,928
2 Claims. (Cl. 18—30)



1. In a locking device of the character described, a locking arm having a transverse bore through one end, the ends of the bore being laterally enlarged, a cylindrical shaft having portions that extend into the enlarged ends of the bore on which portions the arm is pivotally supported for restricted endwise and tilting movements, relatively to said shaft, said shaft having an eccentric portion of reduced diameter disposed within the bore tangential thereto for actuating the movements of the arm, and a pin fixed to the arm to pass perpendicularly through the bore in position to be engaged by the eccentric as the latter is moved through an arc by angular rotation of the shaft.

2,456,350

PREPARATION AND ISOLATION OF ETHYLENE CHLOROHYDRIN

Charles Weizmann, London, England, assignor to Ketarome Limited, London, England

No Drawing. Application November 27, 1943, Serial No. 512,039
In Great Britain August 18, 1942
8 Claims. (Cl. 260—633)

5. A process suitable for the industrial production of ethylene chlorohydrin by interaction of ethylene and hypochlorous acid which comprises the step of isolation of the ethylene chlorohydrin after the reaction has been sufficiently completed, by contacting the reaction product with a neutral liquid organic solvent which contains a carbonyl group.

2,456,351

ACTIVATION OF CATALYST

Albert B. Welty, Jr., Mountainside, and Clinton H. Holder, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 10, 1946, Serial No. 689,813
2 Claims. (Cl. 260—668)

1. The method of forming aromatic hydrocarbons which comprises contacting hydrocarbons containing naphthenes at elevated temperatures and pressures with added hydrogen and a composite catalyst consisting essentially of molybdenum oxide supported on a zinc aluminate spinel base, said catalyst having been calcined prior to use at temperatures of about 1400° F. for about 6 hours.

2,456,352

HEADDRESS

Frances Whitney, Weston, Mass.

Application February 4, 1948, Serial No. 6,291
5 Claims. (Cl. 2—175)



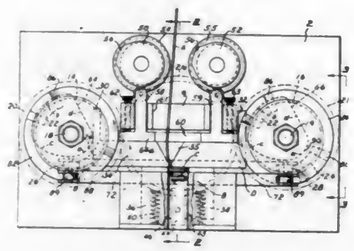
1. In a headdress a substantially U-shaped resilient frame member for engagement with the head, said frame member forming a support for a plurality of loops directly attached to the limbs of the frame member, said loops being situated in different planes, and attached at different points along the limbs of the frame member in advance of the bight thereof so that they occupy different spatial positions with respect to each other.

2,456,353

WIRE-BENDING MACHINE

John L. Wolf, Bloomsburg, and William C. Wolf, York, Pa.

Application August 22, 1947, Serial No. 770,012
3 Claims. (Cl. 140—71)



1. A machine for forming straight wire or strip material into sinuous shape to provide a wire ribbon having spaced transverse flights the ends of each of which are connected respectively to the adjacent ends of the preceding and succeeding flights, comprising a die having surfaces shaped to correspond to a flight and the flight-connecting parts respectively and on which these are formed, a shuttle above the die having a passage through which the straight wire is led from a source to the die and being reciprocable to traverse said passage and wire across the flight-forming surface of the die, means for holding the formed ribbon on the outlet side of the die during traversing movement of the shuttle whereby such movement causes wire to be drawn from the source thereof through the shuttle passage and about and over the flight forming surface of the die to form a flight of the wire ribbon, means for moving the shuttle against the formed ribbon to discharge the same from the machine, and means resiliently opposing movement of the shuttle against the formed ribbon and comprising spaced blocks disposed on opposite sides of the die on the discharge side thereof on the upper surfaces of which the shuttle is freely and slidably supported, and springs disposed below the blocks and resiliently supporting them.

2,456,354

COPOLYMERS OF ISO-OLEFINS WITH THIOPHENE SULFONES AND PROCESS FOR MAKING SAME

David W. Young, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 2, 1944, Serial No. 566,396
11 Claims. (Cl. 260—92.6)

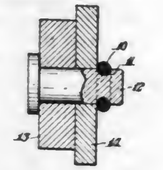
1. A polymerization process comprising the steps of mixing together a major proportion of isobutylene with a minor proportion of a dialkyl thiophene-1,1-dioxide having 1–10 carbon atoms per alkyl group at a temperature within the range between 0° C. and —164° C. and copolymerizing the two substances together by the application thereto of a Friedel-Crafts catalyst.

2,456,355

ELASTIC SNAP RING FASTENER

Joseph S. Aber, Philadelphia, Pa.

Application January 13, 1947, Serial No. 721,768
9 Claims. (Cl. 85—7)



1. In combination, a pin member having a substantially cylindrical shank and an annular groove near one end of said shank, a second member having a hole therein through which the pin member projects and substantially fills, and an elastic endless non-metallic ring of a cross sectional area approximately one hundred per cent larger than the cross sectional area of said groove and snugly fitted in and substantially filling said groove and projecting outwardly approximately the depth of the groove to act as a thrust bearing for said second member.

2,456,356

PACKING GASKET AND STATIC SEAL

Joseph S. Aber, Philadelphia, Pa.

Application December 9, 1947, Serial No. 790,635
8 Claims. (Cl. 2[illegible]–26)



6. In a fluid pressure apparatus, a pair of relatively movable elements, one of said elements having a packing groove therein concentric with the adjacent wall of the other of said elements, a restraining ring of elastomeric material having a radial cross sectional dimension normally less than the distance between the bottom of the groove and the adjacent wall of said other element, and an actuator ring of elastomeric material having a cross sectional diameter slightly greater than the distance between the bottom of the packing groove and said adjacent wall of said other element and coacting with the restraining ring to expand the latter radially against said adjacent wall of said other element when the actuator ring is under pressure and said restraining ring contracting when the pressure is relieved.

2,456,357
COMPLEX RESINS AND PROCESS OF MAKING

Harry L. Allen, Philadelphia, Pa., and Earl G. Kerr, Haddonfield, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application October 31, 1945, Serial No. 625,959
8 Claims. (Cl. 260—45.1)

1. A process of making resins which comprises reacting together at an elevated temperature from 5 to 35 parts by weight of at least one polymerizable material selected from the group consisting of styrene, coumarone, indene and their homologs boiling up to 210° C., from 5 to 35 parts by weight of a member of the group consisting of urea and thiourea, from 35 to 90 parts by weight of phenolic material of the tar-acid group, and from 1 to 5 mols of a member of the group consisting of formaldehyde and acetaldehyde for each mol of said other reactants, in the presence of an acid catalyst and a solvent for the resin.

2,456,358
THERMOPLASTIC RESINS AND PROCESS OF MAKING

Harry L. Allen, Philadelphia, Pa., and Earl G. Kerr, Haddonfield, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

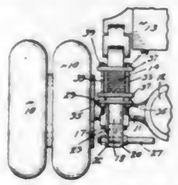
No Drawing. Application October 31, 1945, Serial No. 625,960
8 Claims. (Cl. 260—43)

1. A process of making resins which comprises reacting together at an elevated temperature from 1 to 35 parts by weight of at least one polymerizable material selected from the group consisting of indene, coumarone, styrene and their homologs boiling up to 210° C., from 5 to 30 parts by weight of maleic anhydride, from 25 to 75 parts by weight of phenolic material of the tar-acid group and from 0.4 to 1.0 mol of formaldehyde for each mol of said polymerizable material, maleic anhydride and phenolic material.

2,456,359
ADJUSTABLE TRUCK HITCH

Edward F. Andrews, Youngstown, Ohio, assignor, by mesne assignments, to The Miller Spreader Corporation, Youngstown, Ohio, a corporation of Ohio

Application June 10, 1947, Serial No. 753,614
3 Claims. (Cl. 280—150)



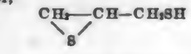
3. A hitch for application to a truck rear axle and spring assembly, the said hitch including spaced horizontally positioned rails disposed longitudinally of the said truck and beneath the said rear axle thereof, a hitch pin secured to said rails and extending transversely thereof and outwardly therefrom, means spacing the said rails with respect to the rear axle, said means comprising a pair of vertical body members one of which is movable longitudinally of the said rails, cross pieces positioned above and below the said spring of the spring and axle assembly and means attaching the said vertical body members to the said cross pieces positioned on the said spring.

2,456,360
ACRYLONITRILE PROCESS

Harold Wilfred Arnold, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 9, 1944, Serial No. 548,782
3 Claims. (Cl. 260—83)

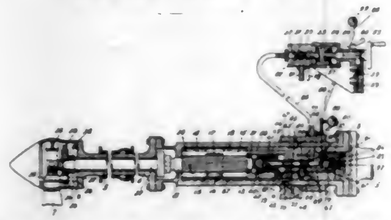
1. In the process of polymerizing an acrylonitrile composition wherein the polymerizable portion is substantially entirely monoethylenically unsaturated and is at least 90% acrylonitrile the improvement which comprises carrying out the polymerization in the presence of from 0.01 to 2%, by weight of the polymerizable components, of dithioglycidol,



2,456,361
DEVICE FOR ADJUSTING THE BLADES OF SHIPS' PROPELLERS

Edouard Atteslander, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland

Application July 15, 1944, Serial No. 545,179
In Switzerland August 14, 1943
3 Claims. (Cl. 170—160.32)

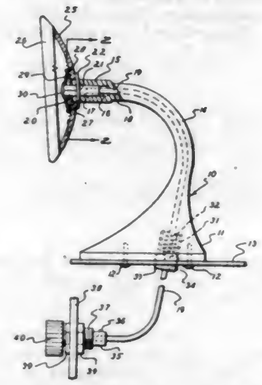


1. In the propelling plant of a vessel having a variable pitch propeller, a propeller driving shaft, a propeller hub carried by said shaft, adjustable propeller blades pivotally mounted on said hub, a blade adjustment actuating shaft extending axially within and mounted rotatably in relation to said driving shaft, mechanical transmission means operatively connecting said actuating shaft to each of said blades, a hydraulic servomotor cylinder extending axially within and carried by said driving shaft and disposed coaxially about said actuating shaft, a cylindrical piston fitted in said cylinder about said actuating shaft, fluid conduit means leading into said cylinder on both sides of said piston, a source of fluid under pressure connectable through said conduit means to either side of said piston at will, and motion transforming means for transforming linear motion of said piston into rotary motion of said actuating shaft comprising a screw gear having helical guide means within said cylinder engaging the piston to one of said shafts and additional guide means within said cylinder engaging the piston to the other of said shafts, the pitches of said screw gear being selected to make the adjustment of the blades in combination with said mechanical transmission means self-locking and at least the ends of the engaging surfaces of said screw gear being exposed to the fluid under pressure when said fluid actuates said piston on either side thereof.

2,456,362
REMOTE-CONTROL ADJUSTABLE MIRROR

Fred J. Aves, Beverly Hills, Calif.

Application May 16, 1945, Serial No. 594,004
3 Claims. (Cl. 88—93)



1. A remotely controlled adjustable rear view mirror for a motor vehicle, comprising: a bracket for attachment to a motor vehicle; said bracket having an end portion adapted for attachment to the side of a vehicle and a hollow rigid arm including a goose-neck portion the end of which, when the bracket is thus attached, is arranged with its axis extending fore and aft with relation to the vehicle; a shaft journalled in said bore, a mirror, a frame in which said mirror is mounted, said frame being secured directly on the rear end of said shaft with the mirror disposed in a plane substantially normal to the axis of said shaft but slightly inclined with reference to the normal whereby rotation of said shaft will rotate the mirror so as to cause the line of sight from the mirror to sweep a conical field of vision about an axis extending rearwardly from the mirror, an operating knob for said shaft, a flexible shaft extending through said hollow arm, rotatable therein and supported thereby, one end of said flexible shaft being secured to the first mentioned shaft and the other end being secured to said knob and friction bearing means comprising a shaft collar and a bearing seat for said collar on said bracket.

2,456,363
BILE ACID DERIVATIVES AND PROCESS FOR THE MANUFACTURE OF SAME

Franz Bergel, Alexander Lang Morrison, Albert Ronald Moss, Marianne Königstein, and Heinrich Rinderknecht, Welwyn Garden City, England, assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application January 18, 1946, Serial No. 642,106. In Great Britain January 24, 1945
15 Claims. (Cl. 260—239.5)

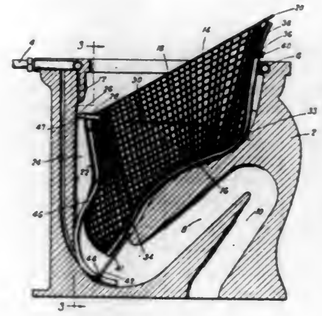
1. A tertiary amino lower alkyl ester of dehydrocholic acid.

2,456,364
DIAPER WASHER

William S. Berry, Buffalo, N. Y.

Application May 13, 1947, Serial No. 747,721
7 Claims. (Cl. 68—235)

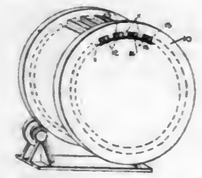
1. A laundry basket of wire mesh for use in a toilet bowl, said basket having a sloping bottom and ovate side wall, a valve on the basket adapted to close the bowl outlet and actuating means therefor, and an overflow pipe terminating upwardly at the upper basket level, and extending through the valve.



2,456,365
BARKING DRUM

Burl Branch, Brantford, Ontario, Canada

Application July 27, 1945, Serial No. 607,376
4 Claims. (Cl. 144—208)



1. A barking drum including a framework made up of a plurality of spaced apart peripheral rings having radially inwardly extending lugs and a plurality of longitudinally extending members connecting said rings in spaced apart relation, said members designed to be fastened to adjacent pairs of said lugs, and including a friction plate having a continuous fin projecting from the outer surface thereof at right angles thereto and extending the length of the plate, and continuous longitudinal elements secured to said surface, spaced inwardly from the marginal edges of the friction plate and disposed on each side of and parallel to said fin, said friction plate being designed to overlap the ends of the lugs, said side elements engaging the inside faces of said lugs, said friction plate being welded to said lugs, said fin thereof being welded to an intervening portion of said rings between the lugs to which said friction plate is attached.

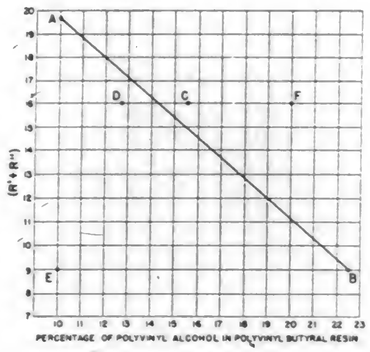
2,456,366
PLASTICIZED POLYVINYL ACETAL COMPOSITIONS

Bozetech C. Bren, West Caldwell, and Jesse O. White, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 26, 1946, Serial No. 686,366
8 Claims. (Cl. 260—32.2)

1. A plastic composition comprising a polyvinyl acetal and, in compatible admixture therewith, a

plasticizer comprising a primary alkyl acyl glycolate having the formula $R'COOCH_2COOR''$ in which R' and R'' are alkyl groups, R' has from



7 to 17 carbon atoms, inclusive, R'' has from 1 to 6 carbon atoms, inclusive, and the total of carbon atoms in R' and R'' is at least 9.

2,456,367

CALCIUM-NICKEL PHOSPHATE CATALYST AND PREPARATION THEREOF

Edgar C. Britton and Andrew J. Dietzler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Original application April 3, 1944, Serial No. 529,404, now Patent No. 2,442,319, dated May 25, 1948. Divided and this application January 6, 1947, Serial No. 720,488

13 Claims. (Cl. 252—228.2)

1. A normal metal phosphate material prepared by precipitation from a non-acidic solution of a calcium salt, a nickel salt, and a phosphate, which normal metal phosphate material contains between 7.5 and 9.2 atoms of calcium per atom of nickel, separating the precipitate, washing it with water, and drying it.

2,456,368

CALCIUM NICKEL PHOSPHATE-CHROMIUM OXIDE CATALYST

Edgar C. Britton and Andrew J. Dietzler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Original application March 4, 1946, Serial No. 651,985, now Patent No. 2,442,320, dated May 25, 1948. Divided and this application April 4, 1947, Serial No. 739,356

8 Claims. (Cl. 252—228.2)

1. An intimate mixture of a normal calcium nickel phosphate material, formed by precipitation under neutral to alkaline conditions from a solution of a water-soluble phosphate and water-soluble calcium and nickel salts, which calcium nickel phosphate material contains between 6 and 12 atoms of calcium per atom of nickel, and a lesser amount by weight of chromium oxide, said mixture being effective as a catalyst for the dehydrogenation of an aliphatic mono-olefine having at least four carbon atoms in the unsaturated carbon chain of the molecule.

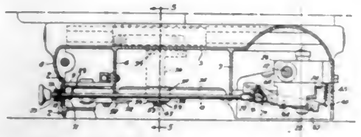
2,456,369

SWITCH CONTROL MEANS FOR SLICING MACHINES

Morris Brustowsky, Brooklyn, N. Y., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Original application May 8, 1942, Serial No. 442,186. Divided and this application December 22, 1942, Serial No. 469,797

8 Claims. (Cl. 146—102)



1. A control mechanism for a food slicing machine having a knife and a supporting table movable toward and away from the knife to bring the article being sliced into operative relation to the knife and embodying an electric motor, a clutch in a transmission adapted to transmit power from said electric motor to said table, a first control device to control the starting and stopping of said electric motor, a second control device being separately operable from the first control device and adapted to control the engagement and disengagement of said clutch, and interlocking means between said control devices, said interlocking means embodying a recess in one of the control devices in which a portion of the other control device slides, and the other control device having a recess movable into and out of register with the first said recess, and operating to permit the engagement of said clutch only when the first control device is in a predetermined position and to permit the stopping of the motor only when the second control device is in its disengaged position.

2,456,370

PROCESS FOR PRODUCING ELECTRODEPOSITED NICKEL STRIP CONTAINING BORON

Mortimer Pierce Buck, Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 6, 1945, Serial No. 587,024. In Canada February 19, 1945

13 Claims. (Cl. 204—37)

1. A process for producing electrodeposited nickel strip containing boron which comprises plating a layer of nickel having a thickness of at least 0.003 inch upon a starting sheet from an aqueous nickel plating bath containing about 0.0001 to about 0.02 ounce per gallon of powdered elemental boron, agitating the bath during plating to maintain said elemental boron suspended therein, stripping said layer of nickel from said starting sheet, plating nickel upon said layer of nickel from an electrolyte containing no elemental boron until a thickness of about 0.050 inch to about 0.250 inch is obtained, annealing the resultant cathodic electrodeposit for about ½ hour to about 2 hours at a temperature of about 1500° F. to about 2400° F., and working said cathodic electrodeposit to reduce the thickness thereof at least 20% to produce electrodeposited nickel strip having substantially no tendency to blister when exposed to temperatures in excess of about 1000° F., said electrodeposited nickel strip having a ductility of about 90 to about 105 Erichsen, a value of 100 being taken as the average value for annealed nickel.

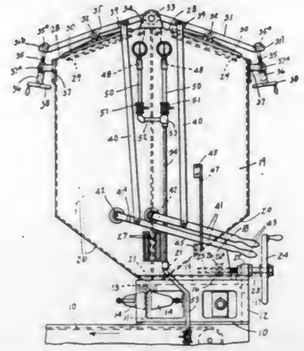
2,456,371

PRESSURE SHEETING OF DOUGH

John Buechek, Kokomo, Ind., assignor, by mesne assignments, of one-half to American Bakers Machinery Company, St. Louis, Mo., a corporation

Application September 16, 1943, Serial No. 502,555

3 Claims. (Cl. 107—14)



1. Pressure apparatus for continuously sheeting baking dough from a plurality of dough masses including a sealable reservoir for each mass, means securing the reservoirs together as a unit, a single elongated tubular throat, each reservoir having a hopper type bottom closure with a dough outlet selectively registrable with said throat, means for applying fluid pressure to each dough mass when the reservoir outlet thereof is registered with said throat, means slidably supporting the unit above the throat and sealing the outlet not registered therewith, and means reciprocating the unit on the support means for selectively and alternately registering said outlets, one at a time, with said throat.

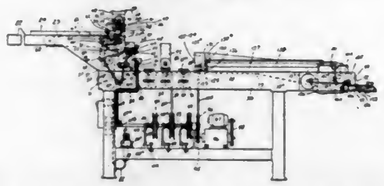
2,456,372

METHOD OF ROLLING BAKING DOUGH

John Buechek, Kokomo, Ind., assignor, by mesne assignments, of one-half to American Bakers Machinery Company, St. Louis, Mo., a corporation

Original application October 13, 1941, Serial No. 414,760, now Patent No. 2,337,539, dated December 28, 1943. Divided and this application September 25, 1943, Serial No. 503,740

1 Claim. (Cl. 107—54)



The method of continuously forming a dough roll for subsequent baking from a continuously advancing sheet of dough of uniform width and thickness without stratifications or tears therein comprising, applying, continuously, prior to rolling, oil to the major width of the sheet except for the longitudinal edge portion to be last rolled, applying continuously water to that edge portion, progressively turning upwardly the oiled edge of the sheet and then progressively turning inwardly the turned up edge upon the sheet while turning up the adjacent portion of the sheet until the watered edge is finally turned upon the resulting roll, the second turning being accompanied by continuous application of uniform pressure to the roll as formed and regardless of roll diameter.

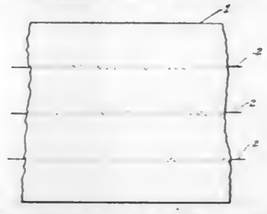
2,456,373

RUBBER FLOORING

William E. Campaigne, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application September 11, 1942, Serial No. 457,945

1 Claim. (Cl. 175—264)



Electrically conductive rubber flooring material which is adapted to be grounded for the dissipation of static electrical charges created on the surface of the material comprising a vulcanized rubber compound having enhanced electroconductive properties and embedded in the rubber a plurality of spaced mutually parallel extensible electroconductive elements extending in the same general direction therein and without interconnection therebetween within the body of the material, said elements being of continuous undulated form with said undulations lying in a common plane substantially parallel to the surfaces of the flooring facilitating adjustment of said elements on expansion and contraction of the material and enabling the interconnection of the several elements with a ground exteriorly of the material.

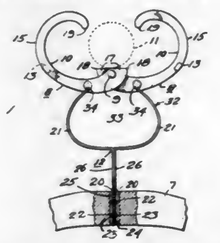
2,456,374

SUSPENSION HOOK

Charles H. Carter, Mount Pocono, Pa.

Application September 16, 1947, Serial No. 774,192

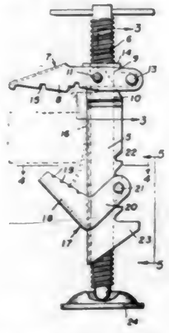
5 Claims. (Cl. 24—233)



1. A suspension hook for supporting a load from a pole or the like, comprising a pair of substantially C-shaped leaves, a first pivot connecting said leaves at their lower end portions with their concave portions confronting one another and arranged to overlap at their upper portions forming a closed ring-like unit in one position, to encircle the pole, and arranged to separate at their upper portions in a second position to provide an entrance and exit for the pole, a mounting connected to and extending above the load and including an upper U-shaped spring portion, the arms of which engage said leaves at opposite sides of said first pivot, and second pivots con-

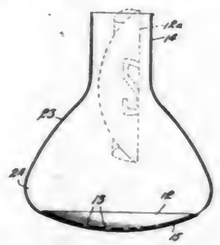
necting said arms to the leaves with the arms tending to move toward each other to yieldably retain said leaves in either of said first or second positions, when said second pivots are in a plane above or below the axis of said first pivot.

2,456,375
VEHICLE BUMPER JACK
Oscar R. Cedarholm, Quincy, Mich., assignor of twenty per cent to Oscar R. Cedarholm, Jr., Fairfield, Conn.
Application July 21, 1947, Serial No. 762,465
6 Claims. (Cl. 254—133)



1. A jack of the class described comprising in combination with a jack post of a pair of coacting vehicle bumper clamping members, and means supporting the clamping members for vertical adjustment on the post, one of said clamping members being pivoted to said supporting means and movable into and out of clamping engagement with the bumper by the vertical adjustment of the supporting means.

2,456,376
DISPLAY LAMP
Nathan Chireistein, Maplewood, N. J.
Application March 27, 1948, Serial No. 17,512
4 Claims. (Cl. 176—16)



1. The herein disclosed method of manufacturing a display lamp comprising inserting a mask carrying the delineation of the desired design in a folded condition through the restricted neck of a lamp globe, unfolding the mask within the globe and spreading the same in close-fitting engagement with the inner surface of the globe and then flashing the interior of the globe with said mask in the unfolded condition and thereby coating the inner surface of the globe with reflective material outlining the character depicted by the mask.

2,456,377
PROCESS OF SEPARATING 2,4-LUTIDINE AND 2,5-LUTIDINE
Francis E. Cislak and Merritt M. Otto, Indianapolis, Ind., assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application May 27, 1943, Serial No. 488,744
4 Claims. (Cl. 260—290)

1. The process of separating a mixture consisting substantially of the bases 2,4-lutidine and 2,5-lutidine, which consists in reacting the mixture with an anhydrous hydrohalide, in an amount which is the molecular equivalent of the 2,4-lutidine present, to precipitate the 2,4-lutidine in the form of a solid, anhydrous, simple hydrohalide, and separating the precipitate from the liquid 2,5-lutidine.

2,456,378
PROCESS OF SYNTHESIZING CARBAZOLE
Francis E. Cislak and Arthur L. Kranzfelder, Indianapolis, Ind., assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application December 4, 1943, Serial No. 512,980
8 Claims. (Cl. 260—315)

1. The process of producing carbazole which comprises the steps of mixing orthoamino diphenyl with an excess of a mildly oxidizing gas, and passing the mixture through a reaction chamber at a space velocity in excess of 150 at a temperature above about 450° C.

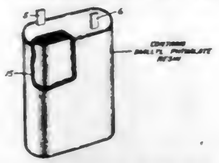
2,456,379
2-AMINO-5-METHYL PYRIDINE AND PROCESS OF MAKING IT
Francis E. Cislak and Arthur L. Kranzfelder, Indianapolis, Ind., assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application January 11, 1946, Serial No. 640,672
2 Claims. (Cl. 260—296)

1. The process of preparing crystalline 2-amino-5-methylpyridine which comprises reacting 3-methylpyridine with sodamide isolating the reaction products containing 2-amino-5-methylpyridine and 2-amino-3-methylpyridine, fractionally distilling said mixture and recovering a crystalline 2-amino-5-methylpyridine.

2,456,380
CATALYTIC OXIDATION OF NICOTINE
Francis E. Cislak, Indianapolis, Ind., and William R. Wheeler, Cincinnati, Ohio, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind., a corporation of Indiana
No Drawing. Original application May 31, 1941, Serial No. 396,175. Divided and this application August 14, 1947, Serial No. 768,706
9 Claims. (Cl. 260—296)

1. The process of producing nicotinonitrile, which consists in subjecting nicotine to partial oxidation in vapor phase with a mildly oxidizing oxygen-containing gas at elevated temperature in comparison with room temperature and in the presence of an oxidation catalyst essentially comprising an oxide of an element of the A subgroups of groups V and VI of the periodic system.

2,456,381
ELECTRIC CAPACITOR
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 29, 1944, Serial No. 547,128
2 Claims. (Cl. 175—41)

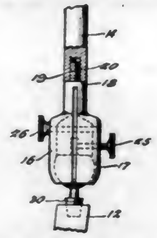


1. An electric capacitor adapted for operation at a high temperature of the order of 100° C., comprising the combination of cooperating metal armatures, an interposed absorbent spacer and solid, resinified diallyl phthalate permeating said spacer, said capacitor having an average life in excess of 1500 hours when operated at approximately 1000 volts D. C. per mil of dielectric and at ambient temperatures approximating 100° C.

2,456,382
COPOLYMER OF CYCLOHEXYL ALPHA CHLOROACRYLATE AND BUTADIENE-1,3
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Original application November 29, 1940, Serial No. 367,771. Divided and this application January 13, 1943, Serial No. 472,257

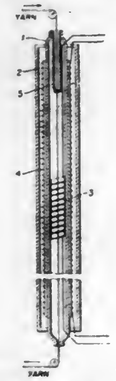
A copolymer of cyclohexyl alpha chloroacrylate and butadiene-1,3.

2,456,383
ADJUSTABLE HOLDER FOR PRECISION INDICATORS
Richard D. Collins, Baltimore, Md.
Application November 24, 1944, Serial No. 565,028
1 Claim. (Cl. 287—12)



Means for holding a dial gage against a work piece which includes a supporting shank adapted to be fixed to a support, said shank having an axial internally screw threaded socket entering its end remote from the support, a clamp having an axial externally screw threaded stem at one end for entrance into the socket in the end of the supporting shank, said clamp having an axial socket entering its end remote from the threaded stem and a pair of opposed spherical clamping surfaces in the socket adjacent the end remote from the stem, a clamp screw extending transversely through the clamp for advancing said clamping surfaces toward one another, a spheroidal head within the socket in the clamp between the spherical clamping surfaces, said head having a flat, a neck projecting from the spheroidal head opposite the flat and through the end of the socket remote from the stem, an externally screw threaded head on the neck for entrance into the threaded socket in a dial gage detachably to couple the gage to the spheroidal head, a tongue on the spheroidal head diametrically opposite the neck, said tongue extending transversely of the flat and an adjusting screw threaded through the wall of the clamp for engagement with the tongue on the spheroidal head for rotating the head in one direction about an axis which lies perpendicular to the longitudinal axis of the clamp.

2,456,384
THERMAL-STRETCHING APPARATUS FOR YARN
Rollin F. Conaway, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 4, 1946, Serial No. 674,353
2 Claims. (Cl. 28—71.3)

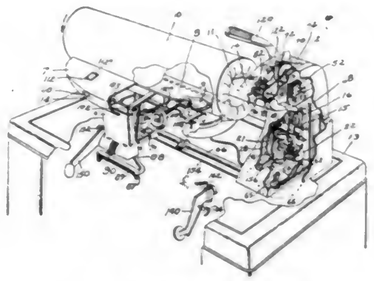


1. In apparatus for the dry heating and thermal stretching of artificial thermoplastic filaments, yarns, threads and like filamentary structures which comprises a heated long cell having a yarn inlet opening at one end of said cell and a yarn outlet opening at the opposite end whereby yarn treated in said cell traverses the length thereof, the improvement which comprises a yarn inlet means consisting of a tube, small relative to the size of the cell and projecting into the inlet end of said cell a distance of from 5% to 20% of the length of said cell and aligned on the longitudinal axis of said cell.

2,456,385
IRONING MACHINE
Arthur R. Constantine, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application April 24, 1944, Serial No. 532,511
32 Claims. (Cl. 38—61)

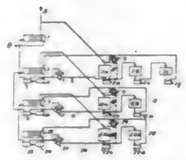
29. In an ironing machine: a roll, a shoe, mechanism for moving said shoe from a normal down position into engagement with said shoe, said mechanism including a linkage system pivotally supporting said shoe, a rotatable element for actuating said linkage, an electromagnetically controlled member for holding said rotatable element in a position to effect engagement of said shoe with said roll when the electromagnet is energized, said linkage system including a latch actuatable to release said shoe from engagement with said roll even though said rotatable element is being held stationary by said electromagneti-

cally controlled member, and means operable to substantially simultaneously release said latch



and to effect de-energization of the electromagnet.

2,456,386
CASCADE REFRIGERATION UNIT WITH CONTROLS THEREFOR
Howell C. Cooper, Sewickley, Pa.
Application May 7, 1946, Serial No. 667,883
2 Claims. (Cl. 62—115)

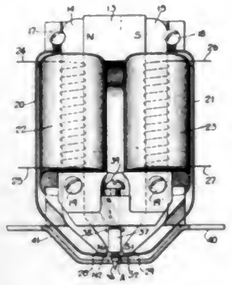


1. In refrigeration means including a plurality of refrigerant circuits in cascade relation wherein the refrigerants of adjacent circuits have change of state by heat exchange therebetween, each circuit having positive displacement pump means for compression and circulation of its refrigerant, motor means arranged for common drive of said pump means with fixed speed relation therebetween, one of said circuits providing, for its refrigerant, circulation in sequence through multistage compressor means, and condenser means wherein the refrigerant is liquefied, flash tank means wherein a portion of the refrigerant is regasified, a connection providing return of said refrigerant portion to said compressor means between stages thereof, and condenser means wherein the refrigerant remainder boils: by-pass means associated with a compressor stage ahead of said connection to provide recirculation in said stage and arranged to be responsive to refrigerant pressure ahead of said compressor means.

2,456,387
NONTACKY SYNTHETIC FILM
Charles W. Cooper, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 7, 1944, Serial No. 557,723
7 Claims. (Cl. 117—145)

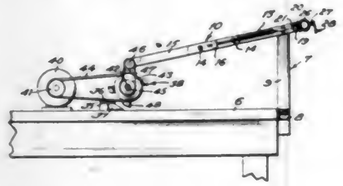
1. A wrapping tissue comprising a non-fibrous, transparent base sheet of organic, synthetic, film-forming material and a moistureproof coating thereon comprising from 0.05% to 2.0% by weight, based upon the weight of the coating, of ethylene-1,3-dioxolane copolymer.

2,456,388
MAGNETIC SOUND TRANSLATING HEAD
Lionel B. Cornwell, New Canaan, Conn.
Application April 3, 1946, Serial No. 659,246
7 Claims. (Cl. 179—100.41)



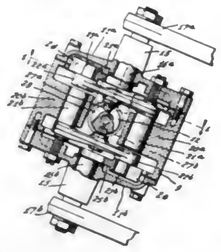
1. In a pickup device of the magnetic type, the combination of magnet means having a first pair of pole pieces of opposite polarity providing pole ends spaced apart laterally and a second pair of pole pieces of opposite polarity providing pole ends spaced apart laterally and spaced vertically from said first pair of pole ends, a laterally extending armature disposed entirely within a field of movement defined by planes representing said lateral and vertical spacing of said pole ends, resilient supporting means for said armature affording vibratile motion of said armature throughout its operative range and so constructed and arranged that during the maximum movements of said armature it remains entirely within said field of movement, and a signal generating circuit responsive to movement of said armature.

2,456,389
LAWN MOWER SHARPENER
Orville Grant Craver, Sr., Chester, S. C.
Application January 31, 1947, Serial No. 725,428
7 Claims. (Cl. 51—105)



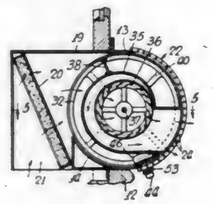
1. In a sharpener for reel type lawn mowers, a supporting base, means for detachably supporting a reel type lawn mower thereon, driving means partially supported by said base and adapted to be connected to the lawn mower axle for revolving the lawn mower reel, a pair of uprights connected to and extending upwardly from said base, supporting members projecting from said uprights and in a direction toward the reel, and a sharpening stone disposed between the free ends of said supporting members and positioned to engage and sharpen the cutting edges of the rotary blades of the reel, when said reel is revolved, and means for extending and retracting said supporting members for adjustably moving the sharpening stone toward and away from the rotary blades.

2,456,390
STEERING GEAR
William K. Creson and Rollie H. Jordan, La Fayette, Ind., assignors to Ross Gear & Tool Company, La Fayette, Ind., a corporation of Indiana
Application November 7, 1945, Serial No. 627,204
9 Claims. (Cl. 74—497)



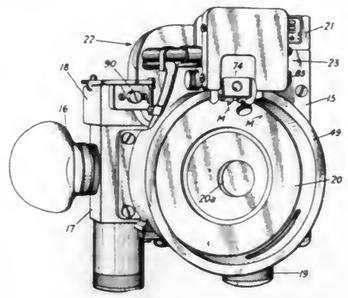
1. In a steering gear, a rotatable cam provided with a generally helical cam groove, a pair of levers pivoted respectively on parallel axes located on opposite sides of and equally spaced from the axis of said cam, a pair of rock shafts disposed on a common axis perpendicular to and coplanar with the cam-axis, and adapted for independent connection to dirigible vehicle wheels, said levers extending past and on opposite sides of said cam and being provided respectively with bosses slidably received in the cam groove, said bosses being equally spaced from the axes of their respective levers, arms rigid respectively with said rock shafts and extending in opposite directions therefrom into association with the free ends of said levers, and means operatively interconnecting the free end of each lever with its associated arm.

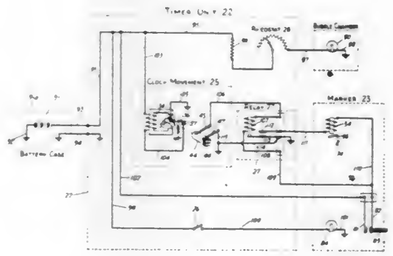
2,456,391
VENTILATOR
Charles Davies, New Rochelle, N. Y.
Application December 12, 1944, Serial No. 567,831
9 Claims. (Cl. 98—94)



1. In a ventilator for a wall opening, a fixed cylindrical housing mounted in said opening with its axis horizontal and provided with apertures on the inner and outer sides of said wall respectively, a hollow cylindrical drum mounted for concentric rotation within said housing in snugly contacting relation thereto, said drum having closed ends and being provided with circumferentially-spaced inlet and outlet ports lying respectively in diametrically opposite semicircular segments of the drum periphery, and a blower mounted within the drum to draw air through the inlet port and expel it through the outlet port, the drum interior being unobstructed except for said blower.

2,456,392
SEXTANT MARKING DEVICE
Irving W. Doyle, Massapequa, N. Y., assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., a corporation of Delaware
Application January 31, 1945, Serial No. 575,499
10 Claims. (Cl. 346—2)



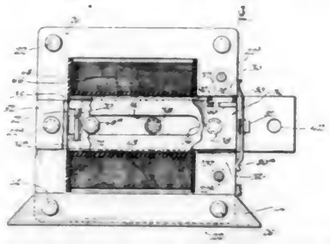


8. In apparatus of the character described, in combination, a sextant, manually operable means for adjusting said sextant, recording means including a marking device on said sextant operable for recording successive instantaneous readings as the navigator adjusts the sextant, energizable means connected to said recording means and operable during energization to effect continuous operation of said marking device, and switch means in the circuit of said energizable means for manual operation by the navigator to effect energization of said energizable means, whereby as long as the navigator holds said switch means closed said recording means operates continuously.

2,456,393
DRYING OF SODIUM NITRITE TO OBTAIN A RELATIVELY NONCAKING GRANULAR FORM
Douglas R. Duncan, Gibbstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 20, 1945, Serial No. 606,289
6 Claims. (Cl. 23—104)

1. The process of producing sodium nitrite in dry, free-flowing form, which comprises subjecting a mass of solid wet sodium nitrite to a temperature above 158° C., drying said sodium nitrite substantially completely at this elevated temperature without agitation, and disintegrating the resulting adherent agglomerate into discrete particles.

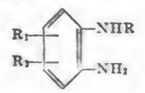
2,456,394
NONCHATTERING ALTERNATING CURRENT SOLENOID AND PLUNGER
Hardin Y. Fisher, Hillside, Ill., assignor to Soreng Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application November 23, 1945, Serial No. 630,420
9 Claims. (Cl. 175—338)



1. A solenoid of the class described, comprising a generally C-shaped frame, an electrical coil located in said frame and having a central opening aligned with the opening between the ends of said frame, said electrical coil being adapted for connection to a source of alternating current, a plunger slidable in said openings, means for guiding said plunger therein, said plunger having a portion of increased height between the ends of said frame, said portion having upper and lower extremities of substantially the same area as the ends of said frame and being of such height as to provide air gaps between said extremities and the ends of said frame, said guides permitting limited lateral movement of said plunger, means biasing said upper extremity toward the adjacent end of the frame as the plunger moves inwardly through the opening, and a shading coil carried by the plunger in a plane adjacent the upper surface of said extremity.

2,456,395
SYNTHESIS OF RIBOFLAVIN
Leo A. Flexser, Elizabeth, and Walter G. Farkas, Palisades Park, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application April 4, 1946, Serial No. 659,662
13 Claims. (Cl. 260—211)

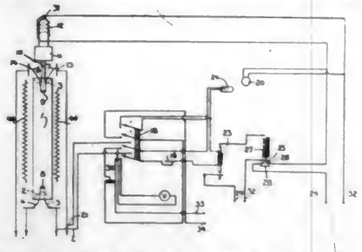
1. The process which comprises condensing a member of the class consisting of componds of the general formula:



and salts thereof, with alloxan in the presence of alloxantin, wherein R is a member of the group consisting of alkyl, polyhydroxyalkyl, and polyacyloxyalkyl, and wherein R_1 and R_2 are members, not necessarily identical, selected from the group consisting of hydrogen and lower alkyl, the alloxan and alloxantin being employed in approximately equi-molecular proportions.

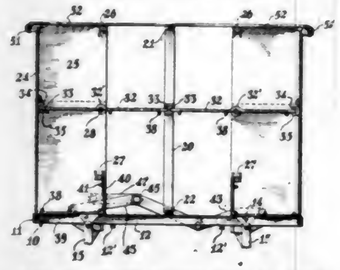
2,456,396
CONTROL OF VAPORIZABLE MATERIAL
Warren S. Frohock, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application November 20, 1945, Serial No. 629,848
2 Claims. (Cl. 316—26)

1. Apparatus for insuring that at least a determined amount of mercury is present in a low pressure discharge lamp having two electrodes said apparatus comprising: means for heating said lamp to a temperature sufficient to vaporize the determined amount of mercury, means for passing current through the resultant vapor to



produce a voltage between said electrodes, and means directly responsive to the voltage between said electrodes for adding more mercury to the lamp if said voltage is below a determined value corresponding to the determined amount of mercury.

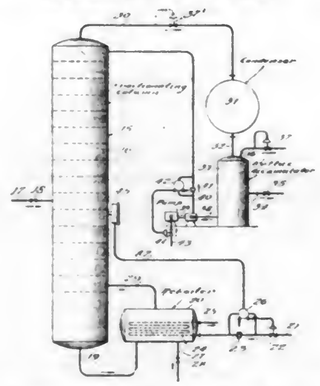
2,456,397
BROILER
Paul Gallichio and Frank Ferrari, New York, N. Y.
Application May 3, 1946, Serial No. 667,146
4 Claims. (Cl. 126—9)



1. A portable broiler comprising a frame, charcoal burners having open top ends slidably mounted on said frame in upright parallel relation to each other, means for moving said burners, grills carried by said burners in vertical position forming a side wall for the fuel compartments, means for suspending a grill in vertical position between said burners, means for moving said grills to a horizontal position for forming a bottom wall for the fuel compartment and rods pivotally supported on the top of the frame and adapted to be swung over the tops of the burners for forming an upper supporting wall for the fuel compartment whereby an article of food may be cooked when arranged in a horizontal position or a cooking utensil supported thereon.

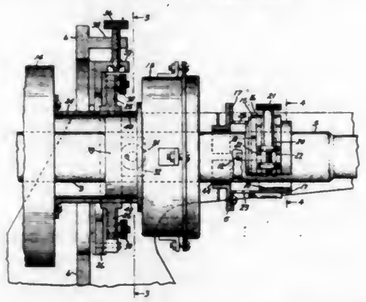
4. In a broiler, a charcoal burner comprising a base, solid outer and side walls, a grill member forming the inner wall thereof, said grill member including a bar extending between and journaled in the side walls and a series of spaced vertically disposed bars secured centrally to said journaled bar for rotation therewith, means including lugs on the outer wall for limiting the rotating movement of the grill member and for supporting said grill member in horizontal position to form the bottom wall for the burner, a removable grate member supported by said base, means for moving said grill member to horizontal position and pivotally mounted rods on the outer wall adapted to be swung across the top of the burner.

2,456,398
FRACTIONATION CONTROL APPARATUS
Clarence G. Gerhold, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Original application December 10, 1942, Serial No. 468,509. Divided and this application October 27, 1944, Serial No. 560,527
10 Claims. (Cl. 196—132)



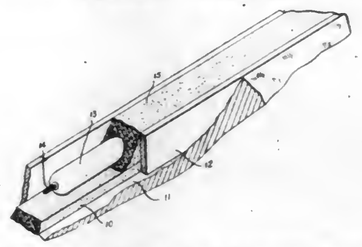
1. In a fractionating column, the combination of a variable volume closed chamber disposed at a selected control point within said column and containing a fixed quantity of a reference fluid of known vapor pressure characteristics, the volume of said chamber being variable in response to variations in differential pressure between the inside and outside of the chamber, and means for adjusting the pressure differential between the interior and exterior of said chamber in response to changes in volume of said chamber.

2,456,399
CATHODE-RAY APPARATUS
Richard B. Gethmann, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 24, 1945, Serial No. 624,275
7 Claims. (Cl. 250—161)



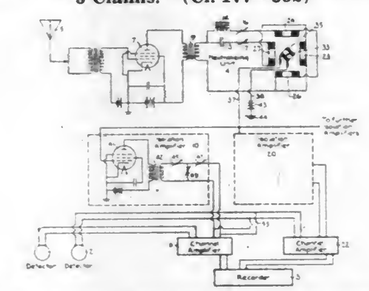
1. In an electron discharge apparatus of the cathode ray type including an envelope having therein a screen and an electron gun for projecting a cathode ray beam onto the screen, a magnetic focusing means arranged about the axis of the beam and having its central axis extending in the desired direction of the beam, means near the origin of the beam for adjusting the direction of the beam to make it parallel to the central axis of said focusing means, and means for moving said focusing means transversely of the direction of said beam for bringing the central axis of said focusing means into coincidence with the axis of said beam.

2,456,400
IRRIGATION PIPE AND METHOD OF CONSTRUCTING SAME
Alexander Giannopulos, Fresno, Calif.
Application December 11, 1945, Serial No. 634,233
2 Claims. (Cl. 138—80)



1. In concrete conduit of the continuous type, the combination, which comprises a continuous concrete base slab providing a permanent foundation, a square conduit with a circular opening extending longitudinally therethrough integrally associated with said base, and a substantially solid non-porous cement lining encircling said longitudinally extending opening.

2,456,401
INTERFERENCE ELIMINATOR FOR SEISMIC RECORDING SYSTEMS
Ronald P. Gilmore, Fulton, Mo., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 24, 1945, Serial No. 618,166
3 Claims. (Cl. 177—352)



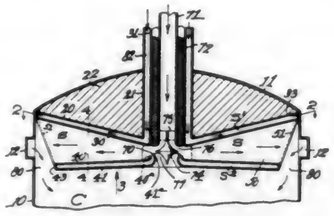
1. In a system for neutralizing interfering signals induced in a seismic recording network by outside magnetic field oscillations, electronic circuit means for converting said oscillations into an alternating current, means for passing a portion of this current through a circuit comprising in series a set of Helmholtz coils and an inductive reactance, means for passing another portion of this current through a second circuit comprising in series a set of Helmholtz coils and a capacitive reactance, said sets of Helmholtz coils being arranged so that their magnetic fields intersect at right angles, a coil rotatably positioned at the intersection of said magnetic fields, means for adjusting the phase of the current induced in said coil when said alternating current is passed through said Helmholtz coil circuits, means for amplifying said induced current, and means for introducing said amplified current into said seismic recording network to neutralize said interfering signals.

2,456,402

COMBUSTION CHAMBER AND MEANS FOR SUPPLYING PLURAL LIQUID FUELS THERETO

Robert H. Goddard, Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application October 20, 1942, Serial No. 462,709
14 Claims. (Cl. 158—4)



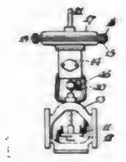
1. In a combustion apparatus, means forming a combustion chamber having an end wall, means forming an entrance passage adjacent the chamber axis for a combustion liquid, a hollow double disc communicating near its center with said passage and closed around its outer edge portion, a second hollow double disc also closed about its outer edge portion and having an annular port orifice at its middle portion, hollow partition members fixed between said discs and connecting the hollow interiors of said discs and maintaining said discs in axially aligned but substantially separated fixed relation, and means to supply a coacting combustion liquid to said first liquid adjacent said annular port orifice.

2,456,403

DIAPHRAGM CONTROL VALVE

Francis Rudolph Goehring, Philadelphia, Pa., assignor to H. Belfield Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 12, 1944, Serial No. 522,035
5 Claims. (Cl. 137—153)



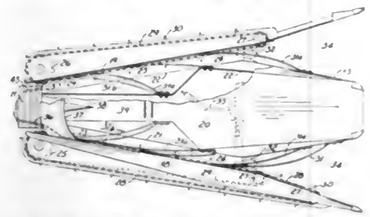
1. In a control valve having a stem operated member for controlling fluid flow and expansible chamber means including a plate member responsive to changes in fluid pressure, the means for connecting said plate member and the upper end of said stem including a hollow portion on said plate, an outer annulus secured in said hollow portion, said outer annulus having a concave inner surface, an inner annulus on the upper end of said stem and within said outer annulus, said inner annulus having a convex outer surface, a plurality of balls disposed between the surfaces of said annuluses, and interengaging portions carried by said plate member and the upper end of said stem to permit angular movement of said annuluses with respect to each other but preventing rotation of said stem with respect to said plate member.

2,456,404

GATHERER FOR SILAGE HARVESTERS

Harvey G. Good, East Earl, Pa.

Application February 10, 1947, Serial No. 727,588
10 Claims. (Cl. 56—98)



1. A plural row silage harvester having a forward stalk receiving portion, a rear stalk orienting and discharging portion and comprising a frame, a plurality of stalk receiving longitudinally disposed guideways inclined upwardly from said forward portion to said rear portion, each guideway having substantially vertical and parallel side walls, said guideways converging from the forward ends thereof toward the rear, stalk cutting means at the forward end of each guideway, upper and lower longitudinally arranged conveyors disposed adjacent one wall of each guideway, stalk engaging means on each conveyor whereby stalks will be moved along said guideways upon operation of said conveyors, a plurality of elongated resilient members secured to said frame and extending rearwardly and laterally across each guideway adjacent said conveyors whereby stalks engaged by said resilient members will be urged into engagement with said conveyors, said resilent means adjacent said upper conveyors terminating forwardly of the rear ends thereof the resilient means adjacent said lower conveyors terminating substantially at the rear ends thereof, upper stalk release means secured to said frame adjacent said upper conveyors and forwardly of the rear ends thereof, said upper release means having a portion for engaging and positively releasing said stalks from said upper conveyors, a concave stalk engaging bridge disposed above said release means and extending across said guideways, separator means projecting forwardly from the concave surface of said bridge substantially midway between said guideways whereby intermingling of the upper portions of said stalks is prevented, a stalk receiving platform disposed between said guideways and below said bridge, lower stalk release means secured to said frame adjacent said lower conveyors at the rear ends thereof, said lower release means having a portion for engaging and positively releasing said stalks from said lower conveyors subsequent to release thereof from said upper conveyors whereby the stalks from both guideways merge and are deposited on said platform in substantially parallel intermingled relationship forming a mat, and conveyor means disposed to engage the butt ends of said stalks prior to release from said lower conveyors whereby said stalks are removed from said platform, said stalks being continually moved by conveying means from the time of entry into said guideways until discharged from said harvester.

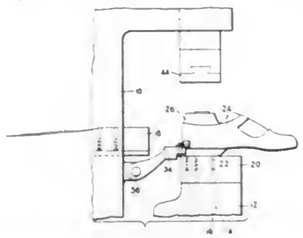
2,456,405

WORK POSITIONING MEANS FOR HEEL NAILING MACHINES

Willis R. Goodwin, Malden, Mass.

Application August 10, 1946, Serial No. 689,692
1 Claim. (Cl. 1—32)

Apparatus for nailing spring heels and the like to shoes, comprising a fixed anvil having a horizontal top face and vertical bores for nails, nail-driving members in said bores, a support member behind the anvil, a bracket pivotally mounted on said support member and rockable from an operative to an inoperative position, said bracket member having heel gauging elements engageable by a shoe heel to position said heel when



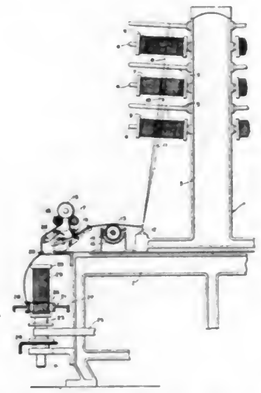
the bracket is in its operative position, gauging members for shoe uppers secured to said bracket above said elements and adjustable relatively thereto, and an upper anvil supported above said fixed anvil and movable downward to press on the last of a lasted shoe placed on said fixed anvil.

2,456,406

THREAD FEED ARRESTING DEVICE

John T. Gordon and Raymond E. Solliday, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application October 10, 1946, Serial No. 702,526
2 Claims. (Cl. 57—86)



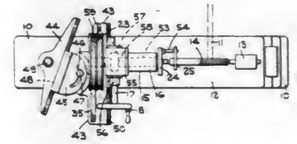
1. Thread feed arresting mechanism for controlling the travel of thread and the like through apparatus embodying the delivery of individual threads from each of a plurality of supply packages to a collecting means on which said threads are collected in the form of a composite thread bundle, said arresting mechanism comprising an abutment about which the individual threads pass; severing means co-acting with the abutment for simultaneously cutting all of the individual threads; means swingably supporting the severing means; means holding the severing means out of contact with the abutment; trip means for releasing the holding means and causing the severing means to operate; a weighted lever arm supported by each individual thread for actuating the trip means upon the interruption of the supply of said thread; a guide means in contact with which the thread bundle passes; biasing means for retracting the guide means which actuates the trip means when the thread bundle is broken; and disengageable locking means for temporarily retaining the several elements of the mechanism in inoperative relation until the mechanism has been completely threaded up.

2,456,407

MACHINE FOR PRODUCING SCREWTHREADS

Arthur Green, Coventry, England

Original application June 14, 1944, Serial No. 540,285, now Patent No. 2,403,075, dated July 2, 1946. Divided and this application September 25, 1945, Serial No. 618,553. In Great Britain April 14, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 23, 1963
3 Claims. (Cl. 90—11.62)

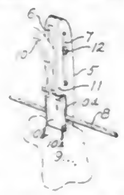


1. A machine for producing screwthreads comprising an element for rotatably supporting the work upon which the screwthread is to be produced at both ends, means for rotating said work, an element adapted to support a tool for forming the screwthread, said work supporting elements being mounted on said tool supporting element for reciprocatory movement relative thereto in a direction substantially along the axis of the thread to be formed; a disc mounted rotatably on said work supporting element with its plane transverse to the direction of reciprocation of said work supporting element and adapted to reciprocate therewith, means for imparting rotary movement to said disc, a slide member mounted in a rectilinear guide on said work supporting element for reciprocation thereon in a direction transverse to the direction of reciprocation of said work supporting element and parallel to the plane of the disc, abutments mounted on said slide member and said tool support, said abutments having interengaging faces adapted for relative sliding movement disposed at an inclination to the direction of relative reciprocation of said two elements and to the direction of reciprocation of the slide member, said abutments being adjustable relative to the slide member and work support to vary the angle of inclination of said interengaging abutment faces with respect to the said directions of reciprocation, a pair of flexible bands arranged side by side and engaging the periphery of the disc, one end of each of said bands being secured to the disc, the other end of each of said bands being secured to the slide member with the said other ends extending in opposite directions with respect to each other and substantially parallel to the direction of reciprocation of said slide member the interengaging faces on said abutments producing lateral movement of the slide which is directly transmitted to the work supporting element by pressure on the rectilinear guide.

2,456,408
SYNTHETIC DRYING COMPOSITIONS
Sylvan Owen Greenlee, Louisville, Ky., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky., a corporation of New York
No Drawing. Application September 14, 1943, Serial No. 502,317
16 Claims. (Cl. 260—410.5)

1. Drying compounds capable of hardening by air oxidation and by heat treatment to form insoluble and infusible protective coatings, said compounds being synthetic esters of polymeric polyhydric alcohols having alternating aliphatic chains and aromatic nuclei united through ether oxygen, said alcohols containing from 3 to 20 hydroxyl groups per molecule, esterified with higher fatty acids, said esters containing from 6 to 20 double bonds per molecule in the fatty acid radicals, said esters being soluble in hydrocarbon solvents to form varnish compositions and with added pigments to form pigmented varnish compositions.

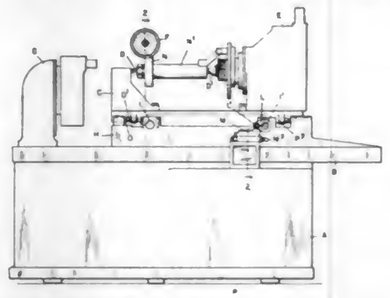
2,456,409
TWO-PART CLOTHESPIN WITH PIVOT JOINT
Raymond K. Grewe, Silverton, Tex.
Application August 1, 1947, Serial No. 765,336
2 Claims. (Cl. 24—137)



1. In a clothes pin of the kind referred to, an elongated and straightly formed primary handle and jaw member, rectangular in cross section and longitudinally slotted clear through the upper or handle end of the member on two perpendicular planes to provide handle and lock-pin slots, the lower or jaw end of the member being left intact, a secondary and complementally formed handle and jaw member, the upper or handle end thereof being flatly and arcuately formed and passed freely into the handle slot of the primary member with its convexed margin foremost, the lower or jaw end of this secondary member being left intact for co-operation with the lower jaw end of the primary member, the two handle and jaw members being pivotally pinned together in said intermeshed relation, and a lock pin slidably mounted through the lock-pin slots of the primary member.

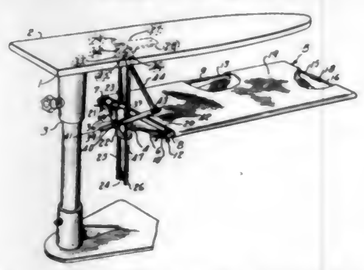
2,456,410
GEAR GRINDING MACHINE
Ivor J. Gruenberg, Pleasant Ridge, and Samuel G. Brady, Royal Oak, Mich., assignors to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application January 21, 1946, Serial No. 642,494
2 Claims. (Cl. 51—94)

1. In a gear grinding machine, a frame, a grinder wheel mounted thereon, a horizontal reciprocatory carriage, a work supporting platen above said carriage, a pair of parallel shafts between said platen and carriage each shaft having a central portion journaled in said platen and corresponding eccentric end portions journaled in said carriage the axes of said central and eccentric end portions being in parallel substantially vertical planes, a crank arm on one of said shafts, a cam adjustably mounted on said frame in the path of said crank arm to rock the latter and



thereby raise and lower said platen at predetermined points in the travel of said carriage, cooperating stops respectively on said platen and carriage for limiting the relative horizontal movement thereof in one direction, and resilient means for yieldably holding said stops in contact.

2,456,411
GARMENT SUPPORTING DEVICE FOR IRONING BOARDS
Aro M. Harvey, deceased, late of Kansas City, Mo., by Neva J. Harvey, administratrix, Kansas City, Mo., assignor to Neva J. Harvey, Kansas City, Mo.
Application March 11, 1946, Serial No. 653,556
2 Claims. (Cl. 38—111)

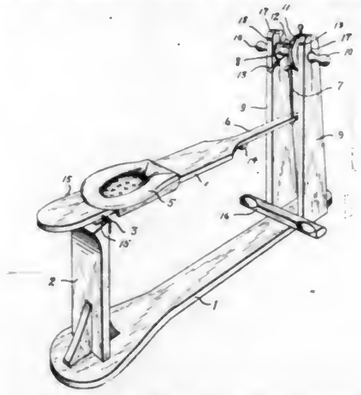


1. In combination with an ironing board, a guide suspended from said board, a basket frame, a sleeve on the basket frame and having sliding engagement with the guide, a link having fixed pivotal connection with respect to the ironing board, a rock lever pivotally mounted on said sleeve and having pivotal connection with the link, and means including an arcuate-shaped web carried by said sleeve having a series of stops for selectively engaging the rock lever to retain the basket frame in a selected position on said guide.

2,456,412
EXERCISING DEVICE
Clyde L. Heimbaugh, Duluth, Minn.
Application February 5, 1945, Serial No. 576,268
5 Claims. (Cl. 272—79)

5. An exercising device comprising an elongated base portion, a fixed upright standard upon one end of said base, a pair of upright spaced standards fixed to the opposite end of said base, a foot rest member fixed transverse said base portion

adjacent said spaced standards, a seat supporting runway hinged adjacent one end upon said standard with its opposite end extending intermediate said spaced standards, a winding shaft supported within and transverse the upper end of said spaced standards and extending laterally beyond each of same to form handholds, a rope fixed

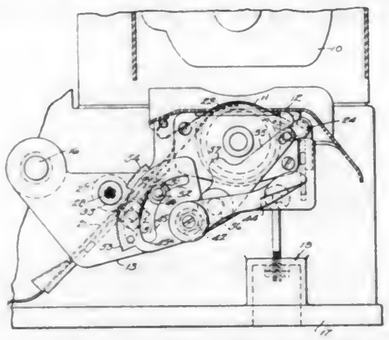


at one end to said shaft and wound therearound with its opposite end fixed to said runway so as to adjustably support same, and a seat slidably mounted upon said runway whereby an operator may slide back and forth in said seat upon said runway by contacting said handholds and foot rest.

2,456,413
POLYVINYL ACETAL RESIN COMPOSITIONS
Richard H. Hunt, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 6, 1945, Serial No. 614,811
12 Claims. (Cl. 260—33.6)

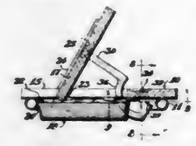
1. A polyvinyl acetal resin plasticized with from 1 to 50 parts of a terphenyl per 100 parts of resin.

2,456,414
TAPE ADVANCING AND RETRACTING MEANS
Frederick W. Heyel, East Port Chester, Conn., assignor to Pitney-Bowes, Inc., Stamford, Conn., a corporation of Delaware
Application January 24, 1947, Serial No. 723,915
5 Claims. (Cl. 101—235)



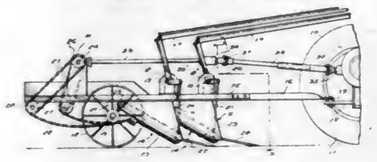
4. In a letter and tape printing device, the combination with a printing member arranged to print impressions upon letters or tape at the same printing position and means for cutting the tape; of tape advancing and retracting devices comprising, a feed roller engaging one surface of the tape and including a toothed member connected therewith, an idler roller cooperating with the feed roller, a driving toothed sector adapted to mesh with the toothed member and including hand control means therefor to effect movement of the sector in one direction to advance the tape to a cutting position after the printing thereof, means normally urging said sector in an opposite direction, said sector having stop means cooperating with a relatively fixed stop to limit the return of the leading tape edge to a printing position, and a lost motion drive between the driving sector and roller operable to effect a predetermined movement of the sector and toothed member before the feed roller is rotated, whereby the return movement of the tape becomes less than the advance movement thereof to thereby provide a margin at the leading tape edge when printing is again effected.

2,456,415
TABLE CONSTRUCTION
William A. Hillenbrand, Franklin County, Ind., assignor to Hill-Rom Company, Inc., Batesville, Ind., a corporation of Indiana
Application December 12, 1945, Serial No. 634,484
1 Claim. (Cl. 311—38)



In a table top structure, a supporting frame, a top element on said supporting frame, an adjustable section disposed centrally of the top element within an opening thereof, said section fitting closely within the opening, hinges pivotally and rotatively connecting said section to the underside of the table top and clearance notches in the side surfaces of the opening, said hinges consisting of links having inner end portions of arcuate form disposed on the axes of the pivotal connections to the table top and straight portions extending from the arcuate portions to the connections on the movable top section, and a bar connecting the hinges at their portions adjacent the pivotal connections to the table top, said straight portions adapted to nest in the notches when the section is within the opening.

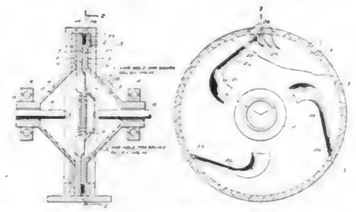
2,456,416
POTATO DIGGING MACHINE
Louis W. Hogan, Houlton, Maine
Application April 7, 1945, Serial No. 587,083
2 Claims. (Cl. 55—51)



1. In a tractor-drawn and driven double-row potato digging machine, the combination with a tractor having a power shaft, of a pair of similar

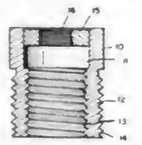
connected-together potato diggers each including a main frame supported near its rear end by wheels and each having a vertically adjustable pivoted gathering head at its forward end, each potato digger having a single endless conveyor chain mechanism, one digger being completely arranged in advanced relation to the other, a vertically rigid draft connection between said tractor and the main frame of each potato digger, and driving connections between the power shaft of the tractor and the conveyor chain mechanisms of the two potato diggers including an overhead universally jointed transverse shaft mounted upon and extending across and above the rear portions of the potato diggers, gearing connections between said shaft and the conveyor chain mechanisms of the diggers, and universally jointed telescopic shaft connections between said transverse shaft and said power shaft, and means including angular levers mounted on said diggers and extending forwardly within reach of the driver's seat of the tractor for adjustably raising and lowering said gathering heads.

2,456,417
STEAM AND COMBUSTION GAS TURBINE
Paul Horsdal, Ottawa, Ontario, Canada
Application June 4, 1947, Serial No. 752,477
8 Claims. (Cl. 60—108)



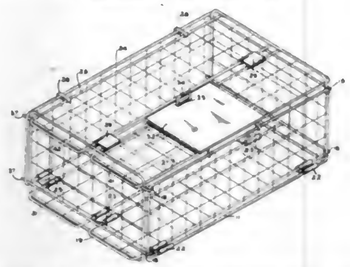
8. A power plant comprising an annular stator, a rotor peripherally mounted in the stator, walls forming an axial chamber on the rotor, the axial portion of the rotor constituting the inner wall of the chamber, means for heating the axial portion of the rotor, and a water jet in axial alignment with and extending into the chamber and arranged to impinge on the heated axial portion of the rotor, said rotor having steam passages therein each having an inlet in the chamber and an outlet on the surface of the stator.

2,456,418
BUSHING AND METHOD OF MANUFACTURING SAME
Stanley Imerman, Detroit, Mich.
Application August 28, 1944, Serial No. 551,600
4 Claims. (Cl. 285—160)



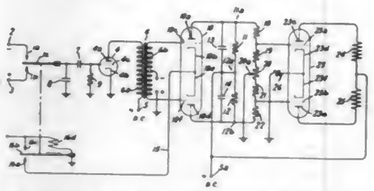
2. The method of manufacturing bushings comprising forming a bushing member having a portion which is internally and externally threaded and a portion which is externally polygonal and has an internal recess of greater diameter than the internal threads, separately forming a disk member which externally fits within said recess and has an internally threaded aperture therein, and brazing said disk within said aperture.

2,456,419
FOLDING BOX
Alphonsus L. Jackson and Herbert A. Brown, St. Clair, Mo.
Application February 24, 1948, Serial No. 10,388
3 Claims. (Cl. 220—6)



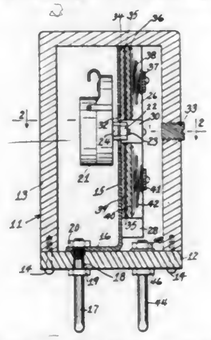
1. In a folding box, a first side for said box, two ends for said box one each of which is hinged to said first side at the ends thereof, first and second slots extending substantially throughout the length of each of said ends at the tops and bottoms thereof, a bottom for said box comprising two sections, the first of which is hinged to the said first side and the second of which is hinged to the first, a second side for said box hinged to the second section of said bottom, a slot formed at each end of said second side each extending substantially from its top to bottom, a top for said box comprising two sections, the first of which is hinged to said second side and the second of which is hinged to the first, a projection on each of said box ends adapted to pass into one of the slots in the ends of said second side, means for slidably hinging the first of said box top sections to said second box side whereby both box top sections may be moved laterally with respect to said second side, and a cover hinged to the top of said first side for closing an opening in the second section of said box top.

2,456,420
ELECTRONIC DIRECT-CURRENT CONTROL SYSTEM
Edwin J. Jackson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 31, 1946, Serial No. 694,345
4 Claims. (Cl. 179—171)



1. A control system comprising a pair of input terminals adapted to be connected to a source of direct voltage, vibratory contacts with terminals for deriving from said direct voltage a square wave periodically varying voltage, means for amplifying said square wave voltage comprising an electric valve provided with an input circuit connected to said vibratory contacts and an output circuit, a discriminator stage having an output circuit nd having an input circuit connected to the output circuit of said amplifier comprising a pair of electric valves connected push pull and each having an anode, a cathode, and a control grid, connections for energizing said anodes and cathodes from a source of direct voltage, auxiliary vibratory contacts included in said cathode connection, and means for mechanically connecting said auxiliary vibratory contacts with said first mentioned contacts for interrupting and completing said cathode connection synchronously with said square wave voltage thereby to provide a rectified voltage at the terminals of the output circuit having a polarity that reverses with the polarity of the voltage at said input terminals.

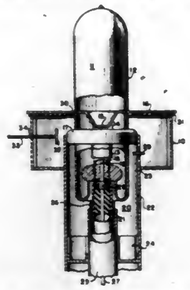
2,456,421
DUAL CRYSTAL UNIT
Robert J. Jahrling, Jamaica, N. Y., assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y.
Application March 15, 1948, Serial No. 14,938
7 Claims. (Cl. 171—327)



1. A dual crystal holder comprising a base, an upstanding metal plate member secured to said base, a pair of insulating bars secured to opposing marginal portions of said plate member on one side thereof, said bars being formed with pairs of opposing projections defining with respect to said plate member a pair of crystal-receiving cavities, said plate member being formed between one pair of said opposing projections with an opening, and an adjustable impedance secured to the opposite side of said plate member and having an adjusting element aligned with said opening.

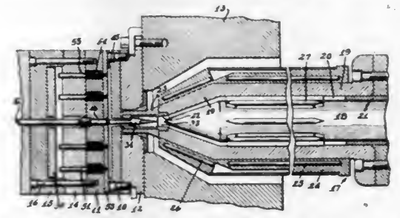
2,456,422
HIGH-FREQUENCY OSCILLATOR
Emrys Gwynne James, Pinner, England, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application June 15, 1944, Serial No. 540,369
In Great Britain February 11, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 11, 1963
15 Claims. (Cl. 315—39)

1. A high-frequency oscillator comprising, a wave guide having walls with dimensions proportioned substantially to attenuate oscillations of a fundamental frequency and to translate oscillations of higher frequency harmonically related to said fundamental-frequency oscillations, a vacuum tube having input and output electrodes positioned with at least one pair of said electrodes lying within said wave guide and continued electrically by the walls thereof, and means resonant at said fundamental frequency and having substantial regenerative coupling to said wave guide



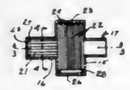
for providing a resonant circuit between another pair of said electrodes to cause said vacuum tube to generate in said wave guide oscillations having said fundamental frequency but including a frequency component of said higher frequency.

2,456,423
INJECTION MOLDING MACHINE
Conrad Jobst, Toledo, Ohio, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 2, 1945, Serial No. 580,635
17 Claims. (Cl. 18—30)



1. An injection molding machine comprising a nozzle having a passageway therethrough for the passage of molten molding material, said passageway including a valve chamber, a valve located entirely within said chamber and movable to closed position by the pressure of the molding material within said chamber, thereby preventing bleeding of the molten material, and means separate from the valve and mounted for movement relative thereto into and out of the path of movement of the valve and operable independently of the molding material to move the valve to open position.

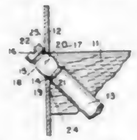
2,456,424
MEANS FOR PRODUCING COMMERCIAL CASTINGS
Robert Neiman, Louisville, Ky., assignor to Edmund A. Steinbock, Louisville, Ky.
Application July 9, 1945, Serial No. 603,992
6 Claims. (Cl. 22—158)



1. A pattern formed of plastic having the exterior conforming accurately to the exterior of the part to be produced and the mold cavity

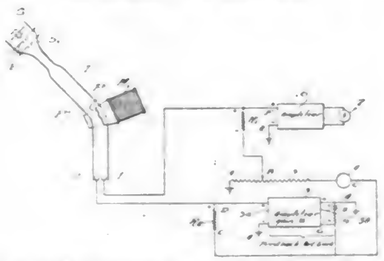
forming portion formed of spaced apart walls of thin sections and with hollow space between the inner surfaces of said walls whereby they will collapse, during dissipation, inwardly, and ribs projecting from the inner surface of said spaced apart walls for reinforcing the thin sections thereof against distortion except when the pattern is being dissipated.

2,456,425
DEVICE FOR THE MUTUAL AND DETACHABLE SUPPORT OF TWO OBJECTS
Frantisek Nemec, Prague-Brevnov, Czechoslovakia
Application December 30, 1946, Serial No. 719,166
In Czechoslovakia April 22, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires April 22, 1959
4 Claims. (Cl. 248—28)



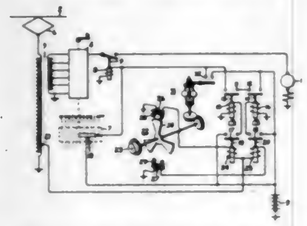
1. A device for the mutual and detachable support of two objects comprising a bolt adapted to be secured with its one end to the one of said objects and, associated with said bolt, an apertured thin-walled structure disposed at the other of said objects, said bolt having on its shaft at least two circumferential grooves of substantially rectangular profile, the faces of said profile each inclined relatively to the axis of said bolt at about 45°; the depths of said faces substantially corresponding to the thickness of the wall of said apertured thin-walled structure; said grooves spaced from each other at a distance to allow said bolt when inserted into the aperture of said apertured thin-walled holding structure and tilted into inclined position, to engage by means of one of said grooves one edge of said aperture and by means of the other of said grooves the diametrically opposed edge of said aperture on the opposite face thereof; said bolt thus being held in position relatively to said apertured thin-walled holding structure against unintentional displacement.

2,456,426
MASS SPECTROMETER SYSTEM
Alfred O. C. Nier, New York, N. Y., and Edward P. Ney, Charlottesville, Va., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application August 8, 1944, Serial No. 548,588
12 Claims. (Cl. 250—41.9)



1. A direct current electrical measuring system comprising, in combination, means for developing two direct current voltages having the same polarity with respect to ground, a potentiometer resistor having outer terminals and an adjustable inner terminal, negative feedback amplifying means for reversing one of said voltages with respect to ground and amplifying the current developing said voltage by at least 10^3 times and for applying the reversed voltage and amplified current across said outer terminals of said potentiometer resistor, and means for nulling, by the other of said voltages, the voltage portion existing between an outer terminal and said inner terminal of said potentiometer resistor to determine the ratio of said voltages by the setting of said inner terminal.

2,456,427
PROTECTIVE SYSTEM FOR ELECTRIC MOTORS
Harold S. Ogden, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application November 28, 1944, Serial No. 565,553
9 Claims. (Cl. 318—397)



1. An electric vehicle control system comprising an electric traction motor, switching means for connecting said motor to a source of electric current supply for starting said motor, means responsive to the speed of said vehicle and operable below a predetermined minimum speed to disable said switching means, means for accelerating said motor during starting operation, and means controlled by said accelerating means for rendering said speed responsive means ineffective during starting operation.

2,456,428
POLYALLYL AMINE AND RELATED POLYMERIC AMINES
James H. Parker, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 11, 1944, Serial No. 558,282
8 Claims. (Cl. 260—80)

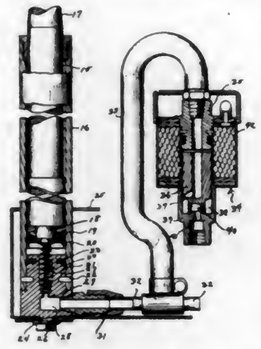
1. The product obtained by hydrogenating the homopolymer having a degree of polymerization of at least four of a compound of the formula

$$\begin{matrix} R & R \\ | & | \\ CH=C-CN \end{matrix}$$

wherein each R is a member of the class consisting of hydrogen, an alkyl group and a mononuclear aryl group, said groups containing only hydrogen and carbon, and all the nitrogen in said product being present in amino groups.

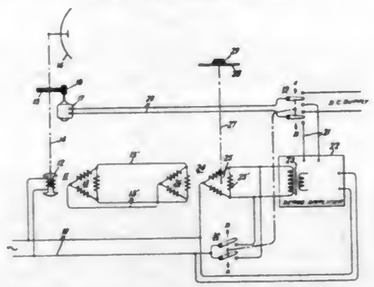
2,456,429
ACTUATING MECHANISM FOR REFRIGERATOR TOPS OR THE LIKE
John B. Parsons, Toledo, Ohio
Application October 18, 1944, Serial No. 559,214
2 Claims. (Cl. 60—97)

2. A structure adapted for up and down movement, supporting means for said structure including two pistons connected to said structure, cylinders for said piston rods respectively, hydraulic means associated with said cylinders for controlling the conjoint movement of said pistons, said hydraulic means including a closed system comprising a motor driven pump, a reservoir associated with said pump, means providing passages from said pump to the lower ends of said cylinders, whereby in the operation of said pump, liquid is forced from said reservoir to said cylinders for raising said pistons, a valve



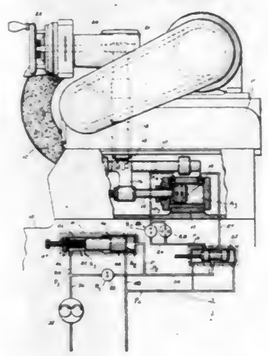
adapted to be seated by the pressure of liquid in the cylinders thereby to retain said piston rods in position of adjustment, electro responsive means for unseating said valve thereby to allow the liquid from said cylinders to return to said reservoir, a ported plug secured to the lower end of each cylinder through which liquid flows to and from the respective cylinder, and resilient means on said plug and against which the piston rod abuts immediately prior to the lower limit of movement of said structure.

2,456,430
TELEMETERING APPARATUS
Franklin G. Patterson, Schenectady, N. Y., and Marion W. Sims, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York
Application October 15, 1947, Serial No. 779,950
7 Claims. (Cl. 318—24)



2. Telemetering apparatus comprising a plurality of electrically inductive devices having relatively movable primary windings at least one of which has a pair of single phase windings whose respective magnetic axes are axially displaced substantially ninety degrees with respect to each other, an alternating current circuit for energizing said primary windings in phase with each other, a plurality of rotating means coupled to said primary windings and adapted to rotate coincidentally in response to the in-phase motion of said primary windings, and switching means associated with the pair of single phase primary windings of one of said devices for shifting the phase relation between said primary windings in a manner to alter the function of the device having said pair of single phase primary windings from motor operation to transformer operation without affecting the coincidence of said rotating means.

2,456,431
VALVE MEANS TO COMPENSATE FOR VISCOSITY IN HYDRAULIC SYSTEMS
Ralph E. Price, Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa.
Application November 8, 1940, Serial No. 364,921
5 Claims. (Cl. 60—52)

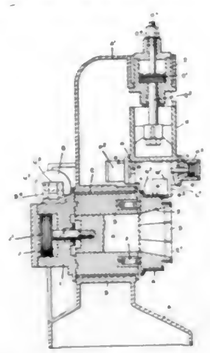


1. In a hydraulic system, a motor and a mechanism actuated thereby, a constant delivery pump for supplying fluid under pressure to said motor, a conduit for conducting the fluid to said motor, a throttle valve in said conduit, a pressure operated relief valve, the area of one end of said relief valve being smaller than the area of the other end, a connection from said conduit ahead of said throttle valve to said smaller area, a connection from said conduit beyond the throttle valve to said larger area, a discharge port at the large area end of the relief valve located so that the size of said port opening is regulated by movement of said valve, means to control the speed of said motor including a second throttle valve located in an exhaust passage from said motor, and resilient means operable on the small area end of said relief valve and supplementing said pump pressure.

2,456,432
FLASH TRIMMING MACHINE
Alfred H. Lewis, Huntington Woods, Mich., assignor to Swift Electric Welder Company, Detroit, Mich., a corporation of Michigan
Application January 31, 1944, Serial No. 520,576
4 Claims. (Cl. 29—33)

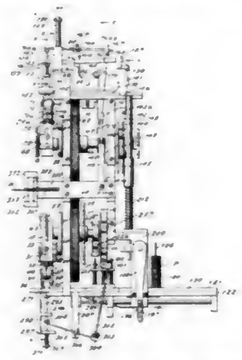
1. A flash shearing machine comprising a frame, a rotary head mounted therein, an expansion chuck mounted at one end of said head and adapted to engage and circularize an annular work member to expose the outer flash bearing surface thereof, means for expanding said chuck, a fluid motor mounted on said head for operating said expanding means, a shearing cutter formed of a plurality of overlapping sections conforming to different portions of a cross con-

tour of the exposed surface of the work, slides for holding the respective sections in contact with the work surface, a cross head mounted on said frame to be vertically adjustable with respect to the work and having guideways for said slides,



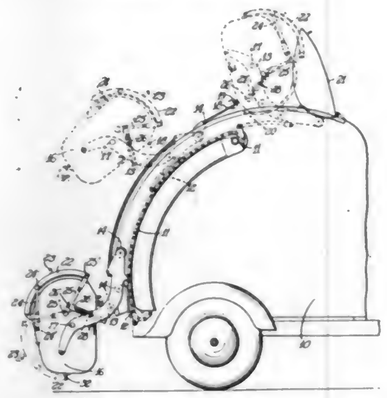
fluid pressure means for moving said slides to hold said cutter sections in contact with the adjacent portions of the surface of the work, and fluid motor means for rotating said first mentioned head to effect the shearing of the flash by said cutter.

2,456,433
MACHINE FOR APPLYING FASTENERS TO WEB MATERIAL
Carl H. Lofgreen, New York, N. Y., assignor to Equitable Paper Bag Co. Inc., Long Island City, N. Y., a corporation of New York
Application April 26, 1946, Serial No. 665,251
18 Claims. (Cl. 218—15)



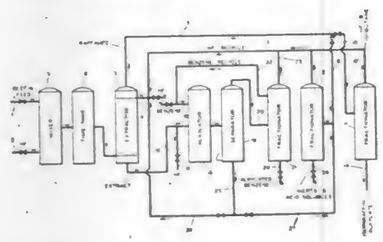
1. A machine of the character described comprising co-planar rotary arms, means on one of said arms for retaining a washer-eyelet combination thereon, means on the other of said arms for retaining a perforated reinforcement thereon, means for rotating the said arms at synchronous speed to bring the washer-eyelet combination and the reinforcement into an aligned position on opposite sides of a moving web, means on said arms for then uniting the reinforcement with the washer-eyelet combination and the web, and means for operating the said two retaining means to release the said reinforcement and said washer-eyelet combination just prior to their union with said web.

2,456,434
SELF-LOADING VEHICLE
Otto F. Manthie, Oshkosh, Wis., assignor to Leach Company, Oshkosh, Wis., a corporation of Wisconsin
Application December 1, 1945, Serial No. 632,255
13 Claims. (Cl. 214—67)



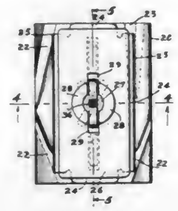
1. In a self-loading vehicle of the type including a hollow body having a forwardly located receiving station, an open mouthed loading bucket adapted to traverse said body longitudinally between said station and a rearwardly spaced bucket-charging point, and supporting and actuating means to shift said bucket longitudinally of said body from said point to said station and to pivot the same so as to discharge the contents thereof at the station, a closure for said bucket operative to cover the mouth of the same during travel between said loading point and receiving station, means pivoting said closure on said bucket to permit shifting of the closure to inoperative withdrawn position, and means connected to said last named means and to said supporting and actuating means and operative upon arrival and pivoting of the bucket adjacent said receiving station to cause shifting of said closure to inoperative position.

2,456,435
ALKYLATION PROCESS
Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 6, 1945, Serial No. 609,214
20 Claims. (Cl. 260—345)



1. An improved process for reacting a low-boiling olefin and an alkylatable cyclic organic compound to produce alkyl derivatives of said cyclic organic compound by replacement of hydrogen atoms on the ring with alkyl groups corresponding to said olefin in the presence of a hydrofluoric acid catalyst, which comprises intimately admixing a hydrocarbon material containing a low-boiling olefin with liquid hydrofluoric acid in an amount substantially equimolar to said olefin, maintaining said admixture for not more than about 30 minutes, intimately admixing with the resulting material a substantial excess of liquid concentrated hydrofluoric acid as an extraction liquid in an extraction step at an extraction temperature not greater than about 100° F. and subsequently separating a hydrocarbon phase and a first liquid hydrofluoric acid phase, intimately admixing an alkylatable cyclic organic compound with said liquid hydrofluoric acid extract phase under reaction conditions such as to effect alkylation of said cyclic organic compound to produce said alkyl derivatives thereof, separating effluents of said reaction into an organic phase and a second liquid hydrofluoric acid phase, recovering said alkyl derivatives of said cyclic organic compound from said organic phase, passing a major portion of said second acid phase to said extraction step as a part of said extraction liquid, passing said hydrocarbon phase to a distillation step for recovery of dissolved hydrogen fluoride therefrom, passing a minor portion of said second acid phase to said distillation step for removal of organic impurities, and recovering from said distillation step purified hydrogen fluoride and passing same to said extraction step.

2,456,436
ENVELOPE OPENER
Edmund C. Metzger, Chicago, Ill.
Application May 11, 1945, Serial No. 593,127
2 Claims. (Cl. 30—294)

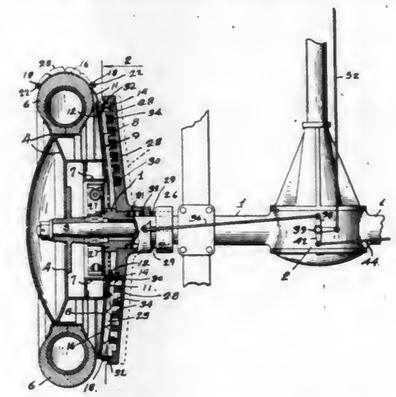


1. A device of the class described comprising a substantially rectangular body having upstanding longitudinal edge portions, a blade supporting area between said edge portions having the upper surface thereof transversely convex, the upper surface of said area being below said edge portions, a longitudinal channel at each side of said blade supporting area connecting said area with said edge portions, a blade adjustably mounted on said area and having the longitudinal cutting edge portions thereof extending into said channels, and an envelope guideway in each of said edge portions located diagonally with respect to said edge portions and intersecting the adjacent channel at one end thereof, said guideways also disposed angularly with respect to said channels so that a side of each of said guideways tapers downwardly from the upper side of the edge portion in which it is located, whereby to properly guide an envelope being drawn through a guideway, and means to adjust the position of the cutting edges of said blade in said channels to compensate for envelopes of different thicknesses.

2,456,437
NONDUSTING SOAP COMPOSITION AND METHOD FOR MAKING SAME
Gilbert De Wayne Miles, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application November 24, 1943, Serial No. 511,595
7 Claims. (Cl. 252—368)

6. As a new article of manufacture, a nondusting, free-flowing particulate soap comprising spray-dried soap particles including beads and fines having a dry coating of material from the group consisting of starch, gum and glue.

2,456,438
NONSKID DEVICE APPLIER AND REMOVER
Dola F. Miller and Frank Puslecki, San Francisco, Calif.
Application January 30, 1948, Serial No. 5,354
6 Claims. (Cl. 152—214)

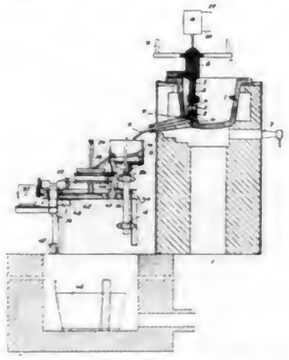


4. A nonskid device applier and remover comprising the combination with a motor vehicle axle, wheel and tire thereof, of a plurality of flexible cleats arranged to be bent transversely around the tread of said tire; a disk having radial grooves in one face thereof mounted upon one side of said wheel; links slidably mounted within said radial grooves and operatively connected to said cleats; a second disc having a spiral groove therein and slidably mounted for longitudinal movement only upon said axle, said spiral groove being arranged to operatively engage said links and to extend the same and said cleats connected thereto transversely around the tread of said tire; and spring means arranged normally to move said second disk to disengage the spiral groove thereof from said links.

2,456,439
MACHINE FOR THE MANUFACTURE OF METAL GRAINS
Roger Morane, Paris, and Roger Martinet, Ville D'Avray, France
Application March 17, 1945, Serial No. 583,268
In France January 20, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 20, 1963
7 Claims. (Cl. 18—2.6)

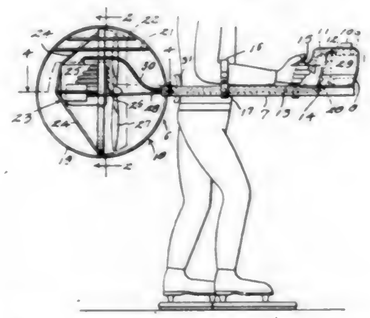
2. An apparatus for manufacturing metal grains and particularly grains of non-ferrous metal or alloys, comprising a pot for molten metal, a metal distributing ladle, a conduit pro-

vided at said pot for feeding said ladle, rotatable cups with sieve bottoms for dividing said metal into grain, said ladle having nozzles and a chute for each nozzle for feeding said cups; said ladle and said cups carried by a structural unit; said unit also carrying means for heating said chutes



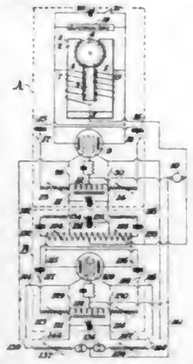
and said ladle, a drive likewise carried on said structural unit for imparting to said cups a rotational motion at uniform speed and an oscillatory motion to said chutes, and means connected to said drive for imparting jolts to said cups at certain intervals of time with means for adjusting the extent of the jolts.

2,456,440
PROPELLING DEVICE
Horace M. Morrill, Pontiac, Mich.
Application July 10, 1946, Serial No. 682,481
4 Claims. (Cl. 180—1)



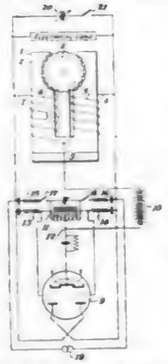
1. In a propelling device for occupant supporting vehicles such as skates, a substantially spherical cage, a prime mover mounted therein, a propeller driven by said prime mover and rotatable within said cage for exerting a forward thrust thereon, a supporting bar connected to the forward end of said cage and extending forwardly therefrom and adapted to be disposed along one side of the body of the user, a hanger adapted to detachably engage a horizontally disposed forearm of the user and connected to said supporting bar for supporting the latter therebeneath, and a handle extending upwardly from said supporting bar, forwardy of the hanger, to be engaged by the hand of the arm engaged by said hanger for receiving the forward thrust of the propeller through said cage and supporting bar.

2,456,441
ELECTRONIC TUBE MOTOR DEVICE
Montford Morrison, Upper Montclair, N. J.
Application January 10, 1948, Serial No. 1,594
8 Claims. (Cl. 318—171)



3. In an electric motor device, a first grid controlled electron discharge tube oscillation system having an oscillatory element included in the grid circuit of said system, said oscillatory element set to oscillate at one frequency, an operating winding of an electric motor included in the plate circuit of said system, a second grid controlled electron discharge tube oscillation system having an oscillatory element included in the grid circuit of said system, said oscillatory element set to oscillate at a frequency different from first said frequency, a load included in the plate circuit of said system, and the plate circuit of said second system coupled to the grid circuit of said first system.

2,456,442
ELECTROMECHANICAL OSCILLATOR
Montford Morrison, Upper Montclair, N. J.
Application November 6, 1945, Serial No. 627,055
8 Claims. (Cl. 250—36)



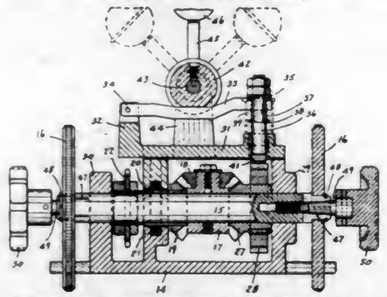
1. An audio-frequency oscillation generating system comprising an electronic discharge tube having a cathode and a plate with an electrostatically cooperating discharge-control electrode, a plate circuit having an aperiodic natural motional impedance and including a source of discharge energy, a control-electrode tank circuit having a natural period of oscillation independent of said motional impedance, a feed-back circuit from said plate circuit to said tank circuit including a feed-back circuit member having a high impedance compared to the plate resistance of said tube, an integral source of voltage having a predetermined periodic oscillation independent of said tank circuit, and a coupling circuit between said source and said tank circuit including a coupling circuit member having a high impedance compared to the plate circuit of said tube, whereby said motional impedance is caused to follow the periodic oscillations of said source.

2,456,443
PROCESS FOR PREPARING NORDIHYDROGUAIARETIC ACID AND INTERMEDIATES
George P. Mueller, Eric T. Stiller, and Samuel V. Lieberman, Philadelphia, Pa., assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 6, 1946, Serial No. 714,658
8 Claims. (Cl. 260—338)

7. The process of preparing 2,3-bis(3,4-carbonyldioxybenzyl)-butane comprising reacting safrole with hydrogen bromide to form 1-piperonyl-1-bromethane, reacting the latter compound with magnesium to form the corresponding Grignard reagent, treating the Grignard reagent with iodine to form 2,3-dipiperonylbutane, reacting the latter with a chlorinating agent and treating the reaction product with a dilute alkaline solution to form 2,3-bis(3,4-carbonyldioxybenzyl)-butane.

8. The new compound 2,3-bis(3,4-carbonyldioxylbenzyl)-butane.

2,456,444
ELECTRIC MOTOR POWERED WHEEL DRIVE AND CONTROL FOR TOOL CARRIAGES
Ralph W. Reid and Chester L. Reid, Indianapolis, Ind., assignors to John R. Brant, Indianapolis, Ind.
Application July 12, 1945, Serial No. 604,688
6 Claims. (Cl. 180—65)



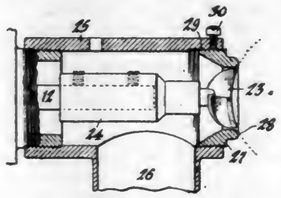
5. In a tool carriage, the combination with a tractor unit including a pair of traction wheels, a drive shaft for said wheels, a collar secured to said shaft having a pinion rotatable thereon, and a pair of spaced gears about said shaft in meshing engagement with said pinion in opposed relation, of an electrically operated motor circuit for driving an electric motor connected to one of said gears to rotate said pinion, a plunger carried by said unit movable into and out of interlocking engagement with the other of said gears for rendering said pinion operative to rotate said shaft when in interlocking position while rendering said pinion inoperative when disengaged therefrom, an actuating drum having a cam surface operable to move said actuating pin into and out of interlocking engagement with said gear, contact switches in said circuit carried by said drum for making and breaking said circuit, and manually actuated means for rotating said drum to close said circuit and to effect movement of said plunger to engage and render said pinion operative to drive said shaft and movable to another position for effecting movement of said plunger out of engagement and rendering said pinion inoperative to drive said shaft and open said circuit, the cam portion of said drum and switches being so related as to first close said circuit and thereafter render said pinion operative to drive said shaft when moved to the first mentioned position and when moved to the second mentioned position render said pinion inoperative to drive said shaft and open said circuit.

2,456,445
ARTICLE-HOLDING DEVICE
Gladys Rees and Janet Rees, Chicago, Ill.
Application August 20, 1945, Serial No. 611,458
2 Claims. (Cl. 224—28)



1. An article-holding device adapted to be worn upon the wrist of the wearer and including a flexible wrist-encircling member having a mounting plate attached thereto, a unitary article-holding member including a fastening portion arranged between the ends thereof and attached to the said mounting plate, the said article-holding member embodying a pair of resilient article-clamping jaws formed therein one at each side of the said fastening portion and normally urged toward each other under the force of their own resiliency so as to releasably clamp an article therebetween, the said unitary article-holding member embodying an article-holding arm formed therein as an integral extension of one of the said resilient article-clamping jaws, and the said article-holding member embodying another article-holding arm formed therein as an integral extension of the other one of the said resilient article-clamping jaws.

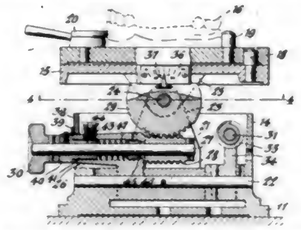
2,456,446
COCONUT PEELING MACHINE HAVING ROTARY RADIAL CUTTER BLADES WITH FAN PORTIONS
Otto G. Rieske, Buffalo, N. Y.
Application July 27, 1944, Serial No. 546,867
1 Claim. (Cl. 146—7)



A machine for peeling coconuts, comprising a standard, a power unit including a shaft having an axially-disposed, outwardly-facing, blade-like cutter on the outer end of said shaft, a housing about said shaft and cutter having a peeling-discharge opening in its bottom and an axial opening in its outer end containing an annular seat in correlation to said cutter and against which the coconut is engaged for peeling, the cutter blades having their cutter edges concavely curved

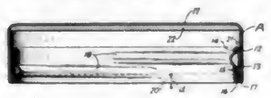
and thence deflected rearwardly into the housing to serve as fan blades, and a receptacle detachably mounted on the housing in communicating relation with the discharge opening.

2,456,447
DENTAL SURVEYING INSTRUMENT
Charles J. Ringle and Roy W. Smith, Buffalo, N. Y., assignors to Williams Gold Refining Company, Inc., a corporation of New York
Application November 2, 1945, Serial No. 626,327
2 Claims. (Cl. 32—32)



1. A dental instrument of the character described, comprising a supporting member, a table surmounting the same for tilting movement, a bearing bracket having a longitudinal bore therein converging inwardly at one end thereof, a bearing sleeve extending loosely into one end of said bore, an axially-displaceable swivel bearing in the opposite converging end thereof, a shaft extending through and journaled in said bearing sleeve and said swivel bearing, gearing between the shaft and the table for tilting the latter in response to the actuation of said shaft, the shaft-gear being mounted on the extended end of the shaft beyond the swivel bearing and abutting at its other end against the opposing end of the bearing bracket, and a spring applied to said shaft and interposed between said sleeve and said swivel bearing.

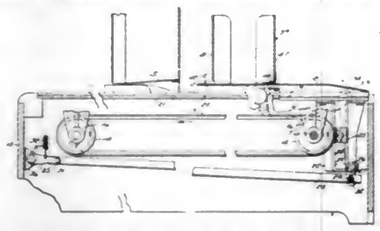
2,456,448
RECEPTACLE CLOSURE
Robert M. Ross, Katonah, N. Y.
Application October 5, 1945, Serial No. 620,466
8 Claims. (Cl. 215—43)



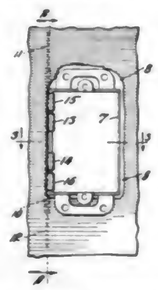
1. A receptacle closure of sheet material comprising an end wall portion; an outer side wall portion integral with said end wall portion; an intermediate wall portion integral with, and turned back upon, said outer side wall portion; and a substantially cylindrical inner side wall portion integral with, and turned back upon, said intermediate portion, said inner side wall portion having in its wall an indentation in the shape of a screw thread.

2,456,449
CARD STRIPPING AND FEEDING DEVICE
Francis J. Rouan, Stamford, and Frederick W. Uthenwoldt, Glenbrook, Conn., assignors to Pitney-Bowes, Inc., Stamford, Conn., a corporation of Delaware
Application November 23, 1946, Serial No. 711,890
3 Claims. (Cl. 271—44)

1. In a device for stripping and feeding the lowermost card from a stack of superimposed cards and comprising, a member having a card engaging portion and adapted to feed a card from a pick-up position to a discharge position, intermittently rotatable stripper means having a frictional portion engageable with the lower surface of the lowermost card to move said card from the stack to the pick-up position, a reciprocating drive for said member, and means associated with said reciprocating drive and connected with the stripper means to actuate said stripper during the card feeding motion of the drive.



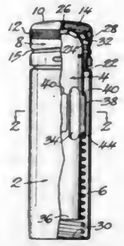
2,456,450
SWITCH BOX HOLDER
Joseph L. Sauter, Poughkeepsie, N. Y.
Application January 25, 1946, Serial No. 643,423
5 Claims. (Cl. 248—27)



1. A holder for securing an electric switch box or the like in a wall and comprising a base piece of thin sheet material of approximately the length of the box to be supported and short enough to be inserted at the side of the box through the hole provided to admit the box in the wall and an extension piece slidably mounted on said base piece and having a handle portion projecting at the front edge and at the inner end of the same and by which said extension piece may be slidably adjusted on said base piece and longitudinally extended to engage in back of the wall at a point beyond the end of the base piece and said front extending handle portion being bendable over the adjoining side edge of the box after said extensible piece has been so extended.

2,456,451
INHALER
Donald A. Seaver, West Cheshire, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 31, 1946, Serial No. 673,548
6 Claims. (Cl. 128—200)

1. An inhaler comprising a casing, a medicament holder slidably movable within said casing and having a lower portion and a nozzle portion, air channels formed in said holder and positioned extending longitudinally in the lower portion thereof, said holder lying entirely within said casing when in one position to which it is movable, longitudinally extending ribs located between said air channels and projecting outwardly from the exterior surface of said holder to engage said casing and guide the holder on movement thereof,

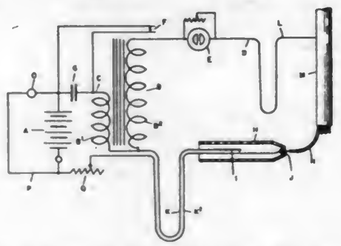


said ribs presenting downwardly facing shoulders on the lowermost ends thereof and spring means engaging said shoulders and casing for moving said holder with respect to said casing to a position in which portions only of said air channels are exposed to the exterior of said casing.

2,456,452
2-CHLOROINDONE
Nelson V. Seeger, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application May 8, 1946, Serial No. 668,309
3 Claims. (Cl. 260—590)

1. 2-chloroindone.

2,456,453
INSULATION BREAK DETECTOR
Douglas Shailor, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 20, 1944, Serial No. 527,281
2 Claims. (Cl. 175—183)

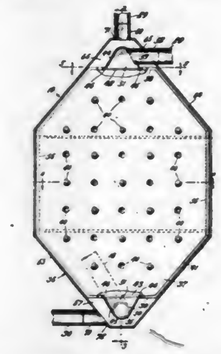


1. An insulation break detector for insulated electrical conductors, comprising an electric generator of pulsating current, a transformer operatively connected to said generator and having primary and secondary coils, a hand probe having a flexible casing, a circuit closing switch within said casing biased to open and a contact for electrical connection with an insulated conductor to be tested, a flexible connection between said transformer and probe including a plurality of electrical conductors forming portions of both primary and secondary circuits of said transformer, the secondary circuit extending to said contact and said switch being in series with both primary and secondary circuits, a flexible conductor for connecting the other terminal of said secondary coil with a conductor in proximity to the insulated conductor to be tested, and a neon lamp in series with said secondary circuit whereby pressure on the flexible casing of said probe will close said switch and primary circuit and will illuminate said lamp if the insulation of the conductor is defective.

2,456,454
BUTADIENE-ACRYLONITRILE COPOLYMER MIXED WITH VINYLIDENE CHLORIDE-ACRYLONITRILE COPOLYMER
Ralph J. Signer, Chicago, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
No Drawing. Application January 17, 1946, Serial No. 641,875
16 Claims. (Cl. 260—45.5)

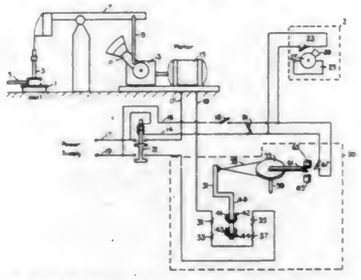
1. A composition consisting essentially of a volatile solvent and a mixture of (*a*) butadiene-acrylonitrile copolymer in which the acrylonitrile content is between 25% and 60% and (*b*) vinylidene chloride-acrylonitrile copolymer in which the vinylidene chloride is the predominant constituent.

2,456,455
HEAT EXCHANGER
Walter M. Simpson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application October 17, 1944, Serial No. 559,083
4 Claims. (Cl. 257—245)



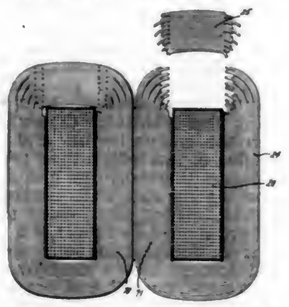
2. A liquid heat exchanger comprising a casing having inwardly converging sides at opposite ends with inlet and outlet ports at said opposite ends adjacent the apex of the converging sides, a series of separate closed compartments in the casing arranged in spaced relation to each other and having peripheral openings at their opposite ends in side by side abutting engagement, said compartments being of substantially the same contour as the casing and providing parallel paths of flow throughout the width of the casing for circulating liquids through the compartments and between the compartments and said compartments being of less length than the casing to provide chambers therebetween, and a header in each chamber having side walls spaced from the side walls of the casing and welded to the ends of the compartments to connect the peripheral openings therein and seal the joints between the headers and compartments whereby the entire area of the compartments and headers constitute heat transfer surfaces without any dead spaces of trapped liquid in the two paths of flow for the circulating liquids.

2,456,456
OIL WELL PUMP CONTROL SYSTEM
Grafton A. Smith, Tulsa, Okla., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 4, 1946, Serial No. 639,117
5 Claims. (Cl. 103—25)



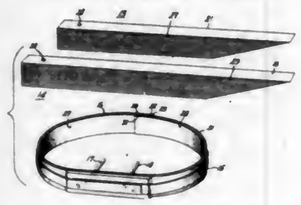
5. In a method for intermittently pumping a well producing small quantities of fluid, the steps of pumping a well throughout a time period longer than that necessary for the pumping equipment to deplete the fluid in the well, recording the rate of energy consumption by the pumping equipment throughout said period, determining from said record the exact length of that effective portion of said period during which the fluid was being pumped from the well with a high rate of energy consumption, shutting the well down for an arbitrary period of time, repeating and recording the pumping and shut-down operations, determining from the record the optimum length of the shut down period necessary for the well to accumulate the desired quantity of fluid, and adjusting the well for automatic pumping operation wherein said well is started for consecutive pumping operation periods at intervals of time equal to the sum of an effective pumping period and an optimum shut down period and is stopped after the start of each pumping period in response to a decrease in the rate of energy consumption by the pumping equipment indicative of the depletion of the fluid in the well.

2,456,457
ELECTROMAGNETIC INDUCTION APPARATUS AND METHOD OF FORMING SAME
Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 22, 1944, Serial No. 536,748
16 Claims. (Cl. 175—356)



1. A closed curved iron type magnetic core including two groups of flatwise assembled magnetic sheets formed of magnetic strip material having the most favorable magnetic direction lengthwise of said strip, each of said groups forming a portion of the closed core, said sheets of at least one of said groups being flatwise curved forming a substantially strain-free core portion and providing continuous magnetic paths at corners, said second group of sheets being assembled with ends thereof in abutting relation with ends of said sheets of said first group so that flux passes between the abutting ends, said sheets of said first group being formed with a hole slightly displaced longitudinally from the center of said sheets, said sheets being assembled with the holes thereof in alignment and adjacent sheets being assembled longitudinally reversed from each other so as to provide overlapping ends and thereby stagger said butt joints.

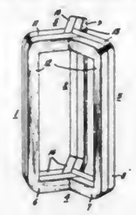
2,456,458
ELECTROMAGNETIC INDUCTION APPARATUS AND METHOD OF FORMING SAME
Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 22, 1944, Serial No. 536,749
7 Claims. (Cl. 29—155.61)



1. The method of producing an assembled magnetic core and winding for an electromagnetic induction apparatus including the steps of cutting from magnetic strip material at least two groups of sheets each having a length less than the total length of the perimeter of the finished core and with the lengths of the sheets of each group having progressively different lengths, assembling the sheets of both groups to provide a closed core of a plurality of layers and providing the longer sheets of each group at the outer periphery with each layer including one sheet from each group and with the sheets of each group being assembled alternately, aligning the ends of the sheets to provide aligned joints in one portion of the core and staggering the opposite ends to provide staggered butt joints in another portion of the core, applying pressure at both the inside and outside surfaces of the assembled core structure so as to abut relatively closely adjacent ends of the sheets of each layer and to provide a relatively tight laminated structure with the shape the core will have in the finished apparatus, annealing the core, and disassembling the groups of sheets into two core portions and reassembling the two core portions around the winding.

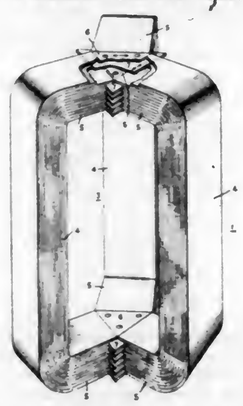
2,456,459
MAGNETIC CORE
Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 18, 1947, Serial No. 722,838
4 Claims. (Cl. 175—356)

3. A three phase magnetic core comprising in combination at least six similar U-shaped magnetic members of radially nested laminations, said members being joined by pairs at their ends to form three closed loops whose halves are in planes making 120 degrees with each other, the three closed loops being placed side by side around



a circle so as to form three parallel split core legs joined at their ends by Y-shaped yokes, the laminations at the ends of the members which form each loop being interleaved.

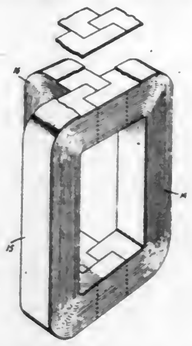
2,456,460
MAGNETIC CORE
Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 18, 1947, Serial No. 722,839
2 Claims. (Cl. 175—356)



1. A three phase magnetic core comprising, in combination, three generally U-shaped core portions made of nested curved U-shaped laminations, each having a most favorable magnetic direction coinciding with its length, the ends of the core portions having an alternating tongue and groove configuration produced by offsetting the ends of the laminations, and magnetic inserts fitted into the grooves of corresponding ends of said portions for joining them together, said inserts each having a most favorable magnetic direction, successive inserts having their most favorable magnetic direction progressively rotated at 120°.

2,456,461
MAGNETIC CORE
Cecil G. Dunn, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 18, 1947, Serial No. 722,843
9 Claims. (Cl. 175—356)

7. A three phase core comprising, in combination, three generally U-shaped bundles of flatwise curved laminations of magnetic strip material, the ends of the laminations in said bundles being uneven, said bundles being arranged with their corresponding ends adjacent to and facing

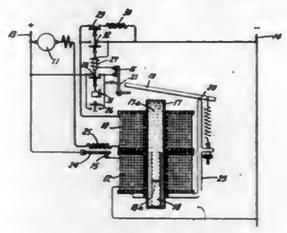


each other, and magnetic inserts interleaved between the uneven ends of the laminations of said bundles.

2,456,462
STABILIZATION OF POLYVINYL BUTYRAL RESINS
Gelu S. Stamatoff, Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 16, 1944, Serial No. 558,962
5 Claims. (Cl. 260—73)

1. Process of treating a crude, water-insoluble polyvinyl butyral resin which comprises suspending said resin in finely divided form in a preponderantly water solution maintained at a pH of 6.0–7.5 and an alkalinity of between 100 and 200, said solution containing, after said resin is substantially neutralized, at least 0.04%, by weight of said resin, of a saturated aliphatic amine containing from 2 to 6 carbon atoms, inclusive, and having two primary amino groups.

2,456,463
MOTOR PROTECTIVE DEVICE
George B. Starie, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 23, 1943, Serial No. 511,488
8 Claims. (Cl. 175—294)



8. A protective device for an electric motor comprising a biased open starting switch for connection in the circuit of the motor, a coil for closing said switch, a biased closed control switch in circuit with said coil, a manually operated biased open switch for closing the circuit of said coil through said control switch for closure of said starting switch, interlock switch means operated by said coil for maintaining said coil circuit closed through said control switch

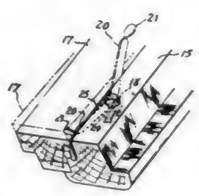
after said control switch has been closed by said manually operated switch, an inverse time relay arranged to be connected in circuit with the motor provided with a member moved in response to the motor current to a predetermined position after a time interval thereby to effect the opening of said control switch for deenergization of said motor, said member being arranged to return to its starting position substantially instantaneously after the deenergization of the motor thereby to provide for the immediate restarting of the motor by said manually operated switch for operation until said member opens said control switch, disabling means for preventing movement of said member in response to motor current, and thermal motor current responsive means for controlling said disabling means to render said disabling means effective until said current responsive means is heated to a predetermined temperature whereupon said member of said inverse time relay moves to open said control switch.

2,456,464

COMBINATION LATCHING, UNLATCHING, AND EJECTING MEANS FOR WINDOWS AND DOORS

Norman C. Steinicke, East Cleveland, Ohio, assignor to Weather-Seal, Inc., Barberton, Ohio, a corporation of Ohio

Application March 15, 1945, Serial No. 582,906
2 Claims. (Cl. 292—241)



1. In a window and door construction having a frame member and a sash member adapted to fit into the frame member with the side edges of both members facing each other and in abutting relation, the combination of means for moving the sash member into and out of such relation by substantially lateral movement of translation normal to the plane of the sash member comprising an annular pin mounted on one of said side edges of one of said members and projecting toward the abutting side edge of the other of said members, a pivoted arm mounted on said last mentioned side edge, and an arcuate flange on said arm engaging the outer periphery of said pin, the pivot point of said arm being eccentric with respect to said pin and said flange, while said pin and flange are concentric with respect to each other.

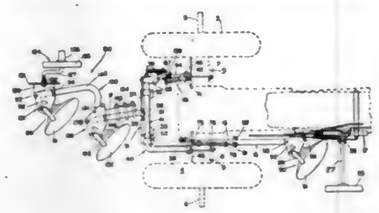
2,456,465

CONVERTIBLE DISK PLOW

Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application August 7, 1944, Serial No. 548,418
6 Claims. (Cl. 97—53)

2. In a convertible plow of the type having a main beam and an extension beam, attaching means for detachably connecting said extension beam to said main beam forward of the rear end of said main beam, a detachable furrow opener unit comprising bracket means, means engageable with both of said beams for detachably con-



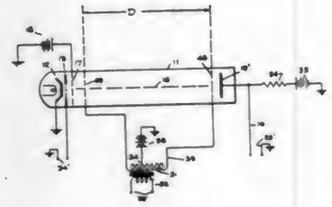
necting said bracket means with both of said beams rearwardly of said attaching means when one beam is connected to the other beam, and a furrow opener carried by said bracket means.

2,456,466

VARIABLE TIME DELAY ELECTRONIC APPARATUS

David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application September 20, 1944, Serial No. 554,962
3 Claims. (Cl. 179—171.5)



1. In combination, means for producing an electron beam, a collector arranged to receive the electrons of said beam, a velocity controlling electrode disposed athwart the path of said beam, means for applying a modulating potential to said electrode, a second electrode disposed athwart the path of said beam in spaced relation to said first electrode, and means for supplying said second electrode with a potential opposite in phase to the potential of said first electrode.

2,456,467

LAMINATED TRANSPARENT PLASTIC

David A. Swedlow, North Hollywood, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 9, 1942, Serial No. 434,018
6 Claims. (Cl. 154—139)

5. A method of producing a laminate comprising coating one side of each of two sheets of polymethyl methacrylate with a solution of polyethyl acrylate in a volatile solvent, drying the resulting coatings, assembling said sheets, coated faces inward, with an intermediate flexible polyvinyl butyral sheet, and with films comprising methyl methacrylate monomer interposed between said polyvinyl butyral sheet and said coatings, and polymerzing said monomer.

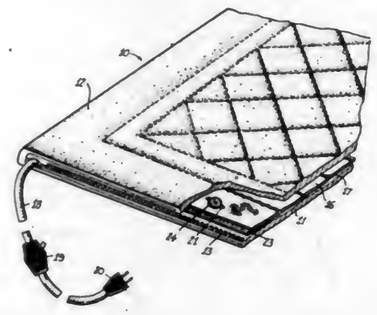
6. A laminate comprising a polymethyl methacrylate sheet cemented to a polyvinyl butyral sheet by means of the cementing action of a polymerizable acrylic monomer comprising methyl methacrylate and of a solution of polyethyl acrylate in a volatile solvent.

2,456,468

ELECTRICALLY HEATED COMFORTABLE

Henry P. Theodore, New York, N. Y., assignor to Bobrich Manufacturing Corp., New York, N. Y.

Application December 29, 1945, Serial No. 637,843
3 Claims. (Cl. 219—46)



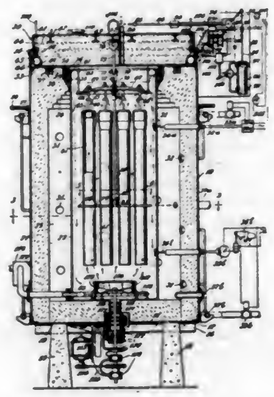
1. A comfortable comprising a bottom layer, a top layer superimposed thereover and forming a pocket therewith, a heating unit comprising a sheet disposed within said pocket, means for detachably attaching said sheet to one of said layers, and an electric heating element attached to said sheet.

2,456,469

METALLURGICAL FURNACE

Charles E. Thomas, North Arlington, John S. Felter, Livingston, and Harold J. Ness, Newark, N. J., assignors to Metallurgical Processes Co., Newark, N. J., a partnership

Application June 10, 1943, Serial No. 490,256
25 Claims. (Cl. 263—40)



4. In a furnace structure, the combination of two co-operative chamber forming members movable into inter-engaging relation to form a closed chamber, a displaceable sealing medium carried by one of said members and engaged by the otner to seal said chamber and means for vibrating one of said members to facilitate displacement of said medium.

2,456,470

REFINING OF INOSITOL SOLUTIONS

McCalip J. Thomas, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware

No Drawing. Application December 5, 1945, Serial No. 633,047
2 Claims. (Cl. 260—631)

1. A process for refining crude aqueous solutions of inositol obtained by reacting phytin with aqueous media to yield hydrolyzates whose final pH values do not exceed about 9, which comprises subjecting the hydrolyzate to the combination of actions produced thereon by alkalizing the hydrolyzate to a pH of not less than about 9 with an effective alkalizing agent selected from the group consisting of the hydrates of the alkaline earth metals and heating said hydrolyzate to a temperature of not less than about 125° F., separating liquor from solids that precipitate from the hydrolyzate, acidifying said separated liquor to a pH not exceeding about 6.5 with an acid capable of forming a difficultly soluble salt with an alkaline earth metal cation, contacting said acidified liquor with a decolorizing carbon, and separating decolorized liquor from solids including the decolorizing carbon.

2,456,471

PROCESS AND PASTE FOR PRINTING FABRICS MADE OF CELLULOSE, SUCH AS TEXTILE FABRICS, PAPER AND THE LIKE, WITH CHROMIUM MORDANT DYESTUFFS

Ernst Tschan, Basel, Switzerland, assignor to Durand & Huguenin A. G., Basel, Switzerland, a Swiss firm.

No Drawing. Application March 15, 1945, Serial No. 583,007. In Switzerland February 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 17, 1964
14 Claims. (Cl. 8—72)

1. A process for printing cellulosic material with chrome dyestuffs, which comprises printing onto the said cellulosic material a printing paste containing, besides the dyestuff, a thickener, a water-soluble carboxylic acid amide, as chromium mordant an alkali metal chromate, a substance which splits off a strong acid in the heat and, as characteristic additions, a water-soluble salt of an inorganic acid derived from an oxygen compound of sulphur and possessing reducing properties, an aromatic compound capable of performing the reversible reaction quinone ⟷ hydroquinone, and ω:ω'-dihydroxydiethyl sulphide, and subjecting the obtained prints to a drying operation.

2,456,472

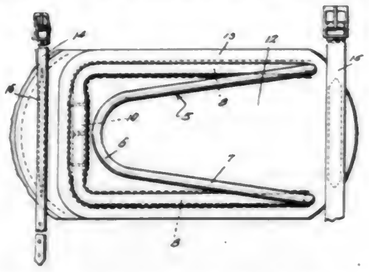
KNEEPAD

Douglas Frederick Turner, Detroit, Mich.

Application July 24, 1946, Serial No. 685,965
1 Claim. (Cl. 2—24)

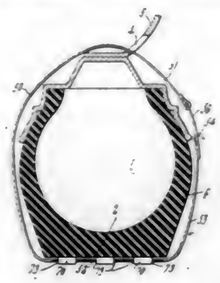
A knee pad comprising a base constructed of rod material and including a U-shaped lower portion and a pair of spaced parallel arms integrally formed with the ends of said lower portion and supported above the latter, inwardly projecting ends at the front of said arms, a sleeve rigidly

connecting said ends, a resilient pad and strips of flexible material secured to said pad and ex-



tending along and enclosing said arms, ends and sleeve to secure the same to said pad.

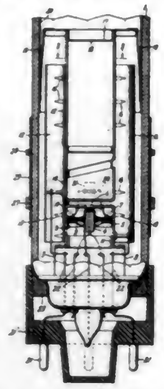
2,456,473
VEHICLE TIRE ANTISKID DEVICE
John Turner, Boston, Mass.
Application January 21, 1947, Serial No. 723,429
7 Claims. (Cl. 152—226)



6. An anti-skid device comprising a resilient normally open loop of flat strap metal for extension laterally across the tread face of a vehicle tire and for passage through an opening through the wheel body inwardly of said tire, the portion of said loop extending across said tread face being substantially flat, the ends of said loop being complementally formed for releasable interengagement to hold said device in position, said skid device being normally out of contact with said tire and wheel except along said tread face and adjacent to said wheel opening.

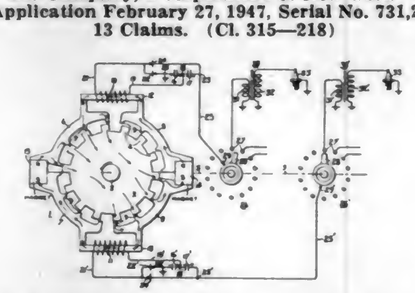
2,456,474
ELECTRIC DISCHARGE DEVICE
Joseph A. Wainwright, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application July 2, 1946, Serial No. 680,895
7 Claims. (Cl. 250—157)

1. In combination, an electric discharge device of the beam type including an envelope, a source of electrons including an electron gun positioned at one end of said envelope, means including said gun for producing a beam of electrons and subjecting said beam to an electrostatic field having a component transverse to the axis of said beam, and means for subjecting said beam to a transverse magnetic field to deflect the electrons of said beam in a direction opposite to the deflection produced by said electrostatic field, said last mentioned means including a substantially complete ring of permanently magnetized material magnetized to produce a flux in the direction of



a diameter of said ring resiliently supported on the exterior of said envelope.

2,456,475
IGNITION SYSTEM
Edward F. Wargin, San Anselmo, Calif., and Joseph R. Harkness and Donald C. Peroutky, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application February 27, 1947, Serial No. 731,230
13 Claims. (Cl. 315—218)

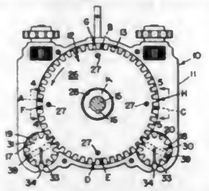


1. In an ignition system, a generator for producing periodic voltage impulses, voltage doubler type circuit means including a plurality of condensers connected series aiding, whereby a voltage impulse from said generator charges one of said condensers and a later voltage impulse from said generator charges another of said condensers, and discharging means arranged to simultaneously discharge said series connected condensers through ignition apparatus, said generator and said discharging means being synchronized and correlated so that each of said condensers receives a charging impulse from said generator prior to discharge through said ignition apparatus.

2,456,476
WIRE TYING MECHANISM
James Rex West and Frank D. Jones, Ottumwa, Iowa, assignors to Deere Manufacturing Co., a corporation of Iowa
Application July 12, 1945, Serial No. 604,673
16 Claims. (Cl. 140—93)

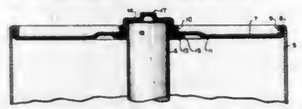
1. In wire tying mechanism, a rotatable twister member having a slot therein for receiving two strands of wire to be twisted together by rotation of said member, a cutting element, and

means mounting said element on said member providing for rotation of the element with the member and for shifting movement of said element relative to said member, said element hav-



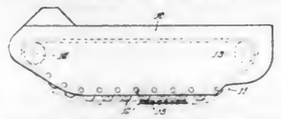
ing a shearing edge and said member having a cooperable shearing edge, and means engageable with said element during rotation of said member to shift said element to move said shearing edges together to sever said wire strands.

2,456,477
ELECTRIC BATTERY IMPROVEMENT
Victor Alvear, Clifton, N. J.
Application February 12, 1948, Serial No. 7,785
3 Claims. (Cl. 136—133)



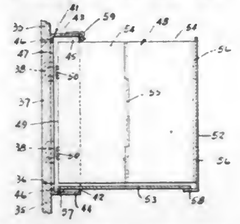
3. A dry cell comprising a tubular outer electrode, a cylindrical inner electrode, a top secured to the outer electrode and coated with insulating material on its inner face, a terminal cap on the inner electrode, an insulating shield interposed between said cap and said top, said top having an outwardly flaring neck embracing said shield.

2,456,478
SELECTIVE PROPULSION MEANS FOR AMPHIBIOUS CRAFT
Milton B. Anderson, Rockford, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application January 15, 1944, Serial No. 518,364
20 Claims. (Cl. 115—1)



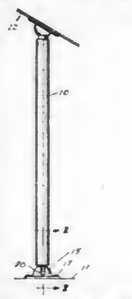
1. In a boat, the combination of means on the exterior of the boat for propelling the boat, a pair of motors in the boat disposed on opposite sides thereof, power transmitting means for operatively connecting said motors and said propelling means and including a transmission for each of said motors, each of said transmissions being adapted to be conditioned for neutral or to be power transmitting in two different speed ratios, means for shifting said transmissions, a control lever connected to said shifting means and adapted in a single movement to actuate the shifting means to simultaneously shift the transmissions to provide successively all of said conditions, and means selectively operable for limiting the movement of said lever whereby the transmissions may be shifted into only said power transmitting conditions and exclusive of neutral.

2,456,479
COLLAPSIBLE CONTAINER
Michael Antil, Cortland, N. Y.
Application December 5, 1946, Serial No. 714,216
2 Claims. (Cl. 220—6)



1. A device of the class described, comprising a casing for attachment on a vertical support and having an open front surrounded by top, bottom and end walls, accordion-like side walls mounted at their inner ends within said casing, a front wall mounted across the outer ends of said accordion-like side walls, a base wall hingedly mounted at its bottom edge within said casing for forming the bottom of said container when extended, said casing being frame-like and having a back wall with an opening, a support for and extended across the back of said container and having an opening aligned with said opening, and a panel for closing said opening in said support, whereby when said panel is open said side walls and said front wall and said base wall may be extended by pushing forward through said opening.

2,456,480
STANCHION CONNECTION
Dwight E. Austin, Kent, Ohio, assignor to Samuel Moore & Company, Cleveland, Ohio, a corporation of Ohio
Application March 26, 1945, Serial No. 584,977
4 Claims. (Cl. 248—351)

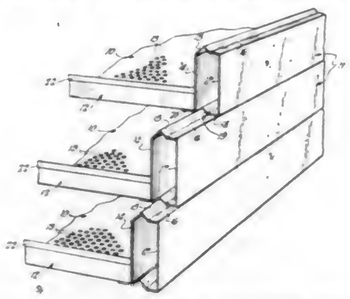


1. A device for supporting a hollow stanchion comprising a resilient bushing adapted to be disposed within the stanchion, means within the bushing adapted to expand it radially against the wall of the stanchion, said means including a ball and socket device for attaching the stanchion to a supporting surface.

2,456,481
RIGID LIGHTWEIGHT METAL TRAY
William Gammell Ballantyne and Julien Adams Thompson, Portland, Oreg.
Application April 25, 1946, Serial No. 664,939
2 Claims. (Cl. 34—238)

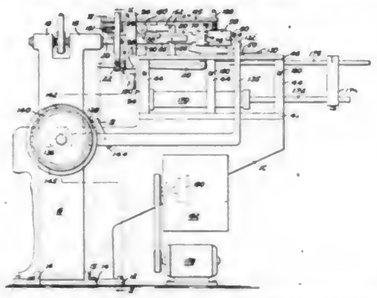
2. A tray of the class described comprising a single piece of sheet metal shaped and conformed

to provide a rectangular horizontal foraminous floor, a first pair of flanges coextensive with and upturned from opposite edges of said floor, each flange of said first pair extending substantially upwardly from said floor to provide an inner wall, thence further upwardly and outwardly and thence downwardly and outwardly to provide a stacking ridge, thence substantially horizontally



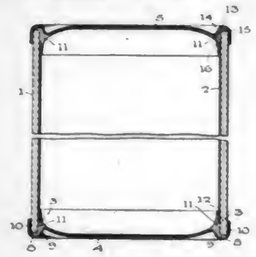
outwardly to provide a supporting shoulder, thence substantially downwardly to provide an outer wall spaced from the inner wall, thence substantially horizontally inwardly to provide a seating shoulder, thence upwardly and inwardly and thence downwardly and inwardly to provide a stacking groove, and thence substantially horizontally inwardly contiguously to underlie a marginal portion of the floor.

2,456,482
KNIFE BLADE GRINDING MACHINE
Harlin W. Barnard, Olean, N. Y., and Carl Oscar Johnson and Fred P. Carey, Bradford, Pa., assignors to W. R. Case & Sons Cutlery Co., Bradford, Pa.
Application March 15, 1946, Serial No. 654,590
6 Claims. (Cl. 51—85)



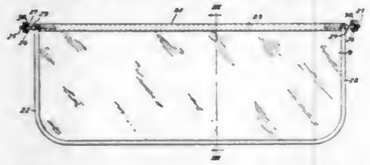
1. In a knife blade grinding machine, a base, a pair of beams movably fastened to said base and each mounting a grinding wheel whereby said grinding wheels are disposed in edge-to-edge relation for grinding a knife blade therebetween and relatively movable to regulate the grinding gap therebetween, a cross head slidably mounted upon said base for reciprocation in the direction of the grinding gap between said wheels, means for pivotally mounting a blade blank at its handle end portion on said cross head, a knife blade guide pivotally mounted upon said base and having an edge portion slidably engaging under the tip end portion of said knife blank, said guide edge being disposed closely adjacent said grinding wheels and said mechanism being so constructed and arranged as to dispose the knife edge portion of said blade blank between said grinding wheels at approximately the elevation of the plane of the grinding wheel axes throughout all phases of the blade blank movement through said grinding gap, means for relatively moving said grinding wheels to regulate the gap therebetween in response to reciprocations of said crosshead, and means for automatically tilting the longitudinal attitude of said blade blank as it reciprocates through said grinding gap.

2,456,483
CONTAINER
Robert Beattie, Plainfield, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
Application March 13, 1945, Serial No. 582,493
3 Claims. (Cl. 229—14)



1. A unit container for lubricating oils and the like proofed to prevent seepage or leakage, comprising a non-metallic, deformable, substantially tubular body portion, a lining of separate, preformed sheet proofing material substantially completely covering the interior surfaces of said tubular body portion but extending to a point appreciably removed from either end thereof, a resilient and flexible film of adhesive material extending from the ends of the body portion over the unlined surfaces and to a point beyond the lateral extremities of said lining, and flanged, deformable top and bottom caps fitted over the ends of the body portion, the surfaces of the caps being appreciably removed from the edges of said lining so that, in the event of shock from accidental dropping, the surfaces of the cap, the film of adhesive material and the unlined body portion absorb the shock before it reaches the lining.

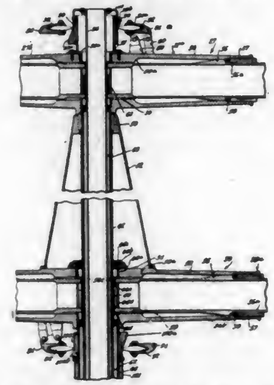
2,456,484
GLARE SCREEN
Lee Alexander Bell, Valencia, Pa.
Application September 23, 1946, Serial No. 698,626
2 Claims. (Cl. 296—97)



1. A glare screen comprising a rod, a frame member of split sleeve form partly embracing the rod, and having its longitudinal edges spaced apart to receive an edge of a glass plate between them, a frame member of yoke-like form having a channel to receive the other edges of the glass, screws extending through the yoke adjacent to its ends and into axially-extending tapped holes

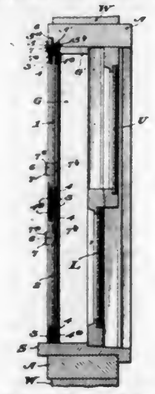
in the ends of the rod, the screws having ball-shaped heads, bracket arms having yieldable sockets partially embracing the ball heads, and clamping nuts screw-threaded on the arms and movable to contract the sockets on the ball heads, to thereby hold the frame against idle tilting movements relative to the brackets.

2,456,485
HELICOPTER WITH COAXIAL ROTORS
Vincent Bendix, Flemington, N. J., assignor to Helicopters, Inc., a corporation of Delaware
Application November 23, 1943, Serial No. 511,408
19 Claims. (Cl. 170—135.24)



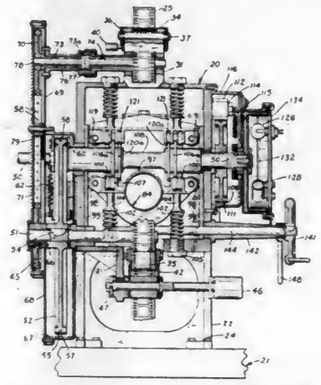
1. In a helicopter, the combination of a pair of eccentric counter-rotatable drive shafts, a rotor mounted on each drive shaft, each rotor having a plurality of variable pitch wings, means for varying the pitch of the wings of said rotors selectively in the same or in the opposite sense, a propeller blade extending longitudinally of each wing, and means for intermittently projecting and retracting said propeller blade with respect to said wing.

2,456,486
INSIDE STORM WINDOW
Mathew W. Berghoff, La Fayette, Ind., assignor, by direct and mesne assignments, to The B-J Company, Inc., West Lafayette, Ind., a corporation of Indiana
Application January 2, 1946, Serial No. 638,689
13 Claims. (Cl. 20—55)



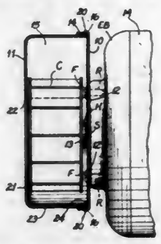
1. A storm window adapted to be mounted at the inside of window openings or the like, comprising a rigid panel of less area than the window opening, a continuous resilient rubber frame of substantial width around the periphery of the panel, said frame being normally of larger area than the window opening and adapted to be slightly compressed when positioned in said opening, thereby forming an effective air and moisture seal between the contacting edges of the panel and the walls of the opening.

2,456,487
STROBOSCOPIC PROJECTOR OF THE CONTINUOUSLY MOVING FILM TYPE
John Brosius, Jr., Seattle, Wash.
Application September 10, 1946, Serial No. 695,968
9 Claims. (Cl. 88—16.8)



8. A motion picture projector comprising a housing, means driving a film at constant speed through said housing, a lens supporting member slidable in said housing, a counter-balance member slidable in said housing, a drive shaft rotatable between said members, and cam means operatively connected to said drive shaft engaging said members for sliding said members in opposite directions upon rotation of said shaft for counterbalancing the thrust torque on said shaft.

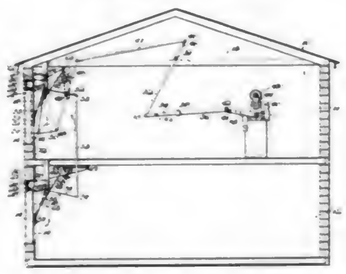
2,456,488
CENTRIFUGAL BLOWER HOUSING
Raymond H. Brown, New Hartford, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application March 15, 1945, Serial No. 582,941
2 Claims. (Cl. 230—133)



2. A housing adapted to enclose and coact with a blower wheel, the housing being formed of a pair of component closure portions one of which is a substantially planar element for attachment to a motor frame or the like, and provided with an intermediate shaft opening, the planar ele-

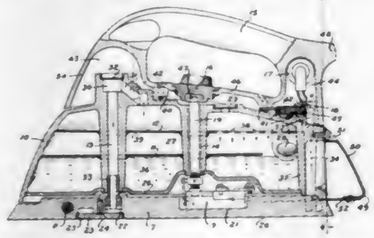
ment being provided with a narrow, continuous, peripheral flange provided with rectangular slots immediately adjacent the planar plate portion, the companion closure portion of the housing consisting of a drawn metal cup, the cup portion being formed with short integral right angular outstanding tongues corresponding in number to the slots therefor in the flange of the first said housing portion, the tongues being so formed that the base of each fills and seals the slot it occupies, the tongues being spaced along the free margin of the cup-like element and being extended radially outwardly of such margin said tongues each having its opposite end margins diverging toward the base of the tongue, thereby adapting the tongues for wedge-seating in said slots, the location of tongues in assembly further being such that they lie along and parallel to the planar portion of the first said housing element, and the length of the tongues being such that they extend through to interlock with, and seal, yet do not project substantially outwardly of the slots therefor, when the parts are in assembly, the material of the cup-like housing portion being sufficiently flexible to enable depression of the peripheral areas thereof adjacent the tongues to permit withdrawal of the tongues from and their insertion in the slots.

2,456,489
POULTRY HOUSE
John D. Burkholder, Jr., Harrisonburg, Va.
Application April 28, 1945, Serial No. 590,758
6 Claims. (Cl. 98—32)



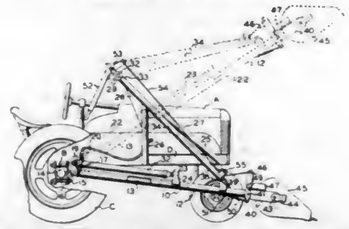
1. A poultry house having upper and lower stories, a plurality of pairs of lower ventilator sashes for each story arranged at one side of the house, means to pivotally support each pair of ventilator sashes, a plurality of pairs of ventilators for each story arranged above the ventilator sashes and at the same side of the house, the pairs of ventilator sashes of the two stories and the pairs of ventilators of the two stories forming vertical units, a generally horizontal rock shaft extending longitudinally within the upper story adjacent to the pairs of ventilator sashes, depending cranks corresponding in number and arrangement to the pairs of ventilator sashes in the upper story and connected with such pairs of ventilator sashes and mounted upon the rock shaft, pairs of cranks connected with the rock shaft and corresponding in number and arrangement to the ventilators of the upper story, means connecting the pairs of cranks with the pairs of ventilators, generally vertical cranks mounted upon the rock shaft and depending therefrom and arranged in spaced relation thereto, generally vertical operating levers pivotally supported between their ends and corresponding in number and arrangement to the generally vertical cranks, means connecting the lower ends of the generally vertical operating levers with the generally vertical cranks, a main operating rock shaft extending longitudinally within the upper story, generally vertical cranks mounted upon the main operating rock shaft, links connecting the last-named generally vertical cranks and the upper ends of the operating levers, a lever mounted upon the main operating rock shaft and longer than the cranks carried thereby, means to move the last-named lever, a generally horizontal rock shaft extending longitudinally within the lower story near the ventilator sashes, generally vertical cranks mounted upon the last-named rock shaft and corresponding in number and arrangement to the pairs of ventilator sashes of the lower story and connected therewith, pairs of generally vertical cranks mounted upon the last-named rock shaft and corresponding in number and arrangement to the pairs of ventilators of the lower story, means connecting the last-named cranks and last-named ventilators, a plurality of generally horizontal cranks mounted upon the first-named rock shaft of the upper story, a plurality of generally horizontal cranks mounted upon the rock shaft of the lower story and corresponding in number and arrangement to the generally horizontal cranks of the upper story, and links connecting the generally horizontal cranks of the upper story with the generally horizontal cranks of the lower story.

2,456,490
STEAM-PRESS IRON AND STEAM BAFFLE AND SEPARATOR THEREFOR
Fred Busch, Wauwatosa, and August J. Nelson, Milwaukee, Wis., assignors, by mesne assignments, to Milsteel Products Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 10, 1945, Serial No. 627,870
2 Claims. (Cl. 38—77)



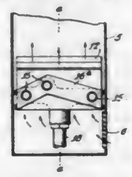
1. A steaming and pressing flatiron comprising, a lower sole plate, a body forming a liquid confining and steam generating chamber normally disposed above said sole plate, a manipulating handle for said body and sole plate, a heater for said sole plate and for the liquid in said chamber, means for conducting steam generated by said heater from the upper portion of said chamber to the lower face of said sole plate, means for admitting liquid to the lower portion of said chamber, and a pair of vertically spaced partitions spanning said chamber and dividing the same into a lower liquid confining section and an upper dry steam section and an intermediate drainage section all extending substantially throughout the length of said sole plate and body, the lower of said partitions being relatively flat and approximately parallel to said lower sole plate face and also being imperforate but terminating short of the rear wall of said chamber, and the upper partition being trough shaped and inclined downwardly and rearwardly and having therein front steam passages and rear liquid drainage openings but extending throughout the chamber length.

2,456,491
TRACTOR IMPLEMENT
Johnnie C. Collins, Dallas, Tex., assignor to Servis Equipment Company, Dallas, Tex.
Application September 4, 1945, Serial No. 614,183
7 Claims. (Cl. 214—141)



1. A tractor implement including, a pair of push bars each comprising a sleeve and a plunger, bell-cranks secured to the rear ends of the plungers, means for pivotally supporting the bell-cranks on the rear axle of a tractor, fluid-actuated cylinders overlying the push bars attached to the bell-cranks and having piston rods secured to the sleeves of the push bars, linkage for swingably supporting the sleeves of the push bars, and an earth tool carried by the push bar sleeves.

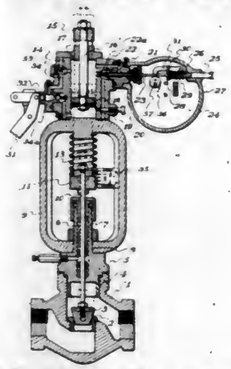
2,456,492
CONVECTOR HEATING UNIT
Arthur G. Dixon, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application February 15, 1945, Serial No. 578,091
6 Claims. (Cl. 257—136)



1. The combination with an enclosure having an air inlet opening adjacent the lower end of its front wall, and a discharge air opening adjacent the upper end of the said wall, of a convector heating unit supported in said enclosure entirely above the air inlet opening and comprising headers connected by tubes, and inverted V-shaped fins traversing said tubes with their apexes disposed closer to the rear of the enclosure than the front thereof, and there being a greater proportion of tubes adjacent the rear of the enclosure than at the front thereof.

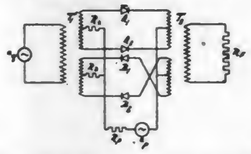
2,456,493
TIME CONTROLLED VALVE
Phillips B. Drane and Clarence D. Laidley, Tulsa, Okla.
Application February 26, 1947, Serial No. 730,938
8 Claims. (Cl. 161—7)

1. The combination with a reciprocating valve in a valve casing, of a time controlled mechanism for said valve, said mechanism comprising an upwardly extending frame rigidly connected to the valve casing, a valve rod extending upwardly into said frame, a yoke of an endless type having its lower end arched through the frame, expansion spring means interposed between the adjacent ends of the yoke and frame for normally urging the valve to closed position, a chambered block carried by the upper end of the frame within the yoke, a piston rod extending downwardly from the yoke and into the chamber of the block, a piston carried by said piston rod and means for



transferring fluid from either side of the piston in the chamber and holding the piston at various elevations and releasing and allowing the transfer of fluid from one side of the piston to the other at a predetermined time.

2,456,494
CIRCUIT ARRANGEMENT FOR THE MODULATION OF ELECTRICAL OSCILLATIONS
Johannes Ensink, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 11, 1947, Serial No. 727,780
In the Netherlands March 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 29, 1964
3 Claims. (Cl. 332—43)

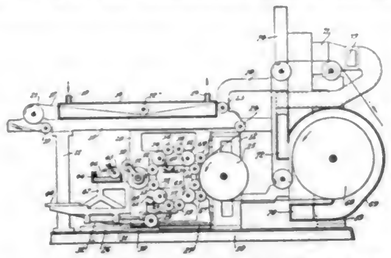


1. A circuit arrangement for modulating electric oscillations, comprising a double push-pull balanced modulator having a plurality of rectifiers arranged to cooperate in pairs, one of said pairs being connected in phase opposition with respect to the other, means to apply the electric oscillation to be modulated in the same phase to each of the pairs of rectifiers of said modulator, means to apply a modulating oscillation voltage to the rectifiers of said modulator in phase opposition to each of the pairs of rectifiers of said modulator to modulate said electric oscillation, and a circuit element having appreciable impedance at the frequency of said oscillation interposed between said means to apply said electric oscillation and each of said pairs of rectifiers.

2,456,495
COATING MACHINE
Harry W. Faeber, Larchmont, N. Y., assignor to Time, Inc., New York, N. Y., a corporation of New York
Application August 1, 1945, Serial No. 608,228
6 Claims. (Cl. 91—50)

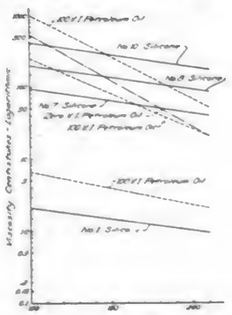
2. Coating mechanism comprising means for supporting a web and moving it continuously, a

first series of distributing rollers substantially contacting each other in seriatim, a second similar series of distributing rollers spaced from and substantially parallel to the first series of rollers, a distributor roller common to said first and second series and in constant film transferring relationship with the first roller in each of said series,



a source of coating material, means to apply the coating material from said source to said common distributor roller, and separate applicator roller means in contact with the last distributing roller of each series, respectively, said applicator roller means being adapted to successively and in superimposed relationship deposit the coating material onto the moving web.

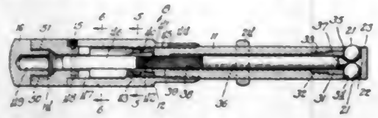
2,456,496
LUBRICANTS
James G. Ford, Sharon, and Robert N. Wenzel, Swissvale, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1942, Serial No. 439,066
5 Claims. (Cl. 252—49.6)



1. A lubricant composed of a mixture of liquid polymers of dialkyl silicones in which the alkyl groups each have at least two carbon atoms substantially free of the monoalkyl and trialkyl silicone derivatives, the lubricant being characterized by resistance to deterioration at high temperatures.

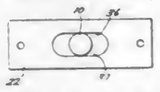
2,456,497
MICROMETER BORE GAUGE
Harold R. Forsmark, Chicago, Ill., assignor to Stiger Precision Products, Inc., Chicago, Ill., a corporation of Illinois
Application March 1, 1947, Serial No. 731,736
2 Claims. (Cl. 33—178)

1. A bore gage comprising, in combination, a cylindrical tubular body internally threaded at one end and externally and internally threaded at the other end, a cylindrical head having a diameter equal to that of said body and a reduced hollow externally threaded portion for entering said one end of said body whereby the head constitutes a cylindrical extension of said body, said head having a transverse cylindrical opening therein, a pair of balls having diameters slightly less than that of said cylindrical opening, movable apart therein to project beyond said head for engaging the surface of said bore, the end of said body adjacent said head being undercut to provide a circumferential lip abutting said head and intersecting said cylindrical opening therein to prevent said balls from escaping therefrom, a rod axially disposed within said body and hollow portion of said head and cone shaped at one



end for engaging said balls to move the same apart, said rod being threaded intermediate its ends for engagement with the internal threads at the other end of said body and having the other end flattened on two opposite sides and projecting from said body, an internally threaded thimble threaded on said other end of said body, an adjusting sleeve secured to the outer end of said thimble and having a slotted opening slightly greater in width than the distance between said flattened sides of said rod for receiving and rotating the same on rotation of said thimble while permitting relative longitudinal movement therebetween, and indicia on said body and sleeve to indicate the diameter of the bore being gaged.

2,456,498
DIRECTION SIGNAL
Paul L. Franck, Washington, D. C.
Application September 29, 1947, Serial No. 776,665
1 Claim. (Cl. 200—6)

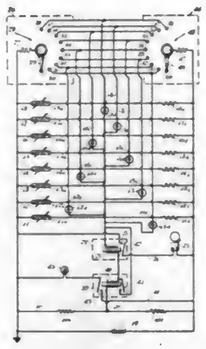


In a motor vehicle signal light actuating switch, the combination, which comprises, a relatively thin rectangular-shaped casing having outwardly disposed mounting flanges at the ends of the upper end, a cover plate having a slot therein positioned on the flanges, a U-shape block having a base and upwardly extending arms mounted in the casing with a press fit, contact screws threaded into the inner surfaces of the arms spaced from the upper ends thereof, a flat resilient strip mounted on the base of the block positioned midway between the arms thereof, a button mounted on the upper end of the strip and extending through the slot in the cover, and wires connected to the contact screws and strip extending through openings in the arms of the block and ends of the casing.

2,456,499
ELECTRICAL CONTROL AND/OR MEASURING SYSTEM
George H. Fritzinger, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application December 26, 1947, Serial No. 794,043
19 Claims. (Cl. 177—311)

1. An electrical system comprising a plurality of electrical bridges connected to a D. C. source

of current and having a common branch and respective other branches in parallel therewith, an electrical receiving instrument, a cross arm for each of said bridges including said instrument and a rectifier in series, said instrument being common as to all of said cross arms and each of said rectifiers being poled in the same direction relative to said instrument, each of said other branches including a varying resistor and a fixed



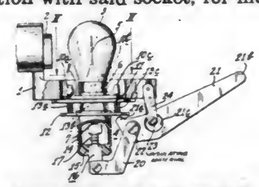
resistor in series and said common branch being arranged so that as any of said varying resistors reach a predetermined threshold value the respective rectifier becomes conducting to pass current to operate said instrument; and test means for said bridges selectively, comprising a test resistor and a selector switch for connecting said test resistor selectively across said varying resistors of the respective other branches.

2,456,500
PURIFICATION OF DIARYL MONOSULFIDES
Everett E. Gilbert, New York, and Howard D. Segool, Flushing, N. Y., assignors to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application June 11, 1946, Serial No. 676,100
8 Claims. (Cl. 260—609)

1. A process for the purification of crude diphenyl monosulfide of objectionable color and odor to produce a substantially colorless product boiling over a range of not more than 3° C. which comprises subjecting said diphenyl monosulfide to the action of a mixture of a metal above hydrogen in the electromotive series and an inorganic acid reactable with said metal to yield nascent hydrogen, at a temperature between about 30° and about 110° C., separating the thus treated diphenyl monosulfide from the reaction mixture and distilling to remove thiophenol.

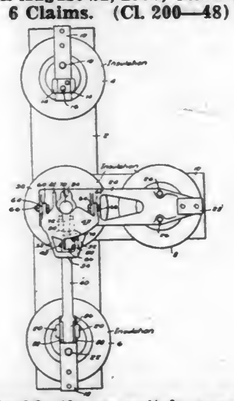
2,456,501
LAMP SOCKET
George H. Goble, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 2, 1946, Serial No. 700,609
4 Claims. (Cl. 173—328)

1. In a socket for a lamp having a base provided with an external electrical terminal, an electrical contact mounted for movement on said socket in register with said lamp terminal, a spring for biasing said contact into engagement with said lamp terminal, and a compound lever, operatively connected to said contact and having a lost motion connection with said socket, for moving said



contact out of engagement with said lamp terminal against the biasing force of said spring.

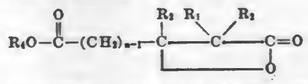
2,456,502
DOUBLE THROW SWITCH
Howard W. Graybill, Honey Brook, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 21, 1947, Serial No. 769,909
6 Claims. (Cl. 200—48)



1. In a double throw switch, spaced line contacts, a switch blade mounted on a support intermediate said contacts for pivotal movement of the blade into and out of engagement with either of said contacts, rotatable operating means for said blade located adjacent said blade support, cam track and follower means associated with said blade and operating means, respectively, said cam track means comprising similar displaced portions joined at a location which substantially corresponds to the medial position of said blade and being cooperable with said follower means for causing movement of said blade at each side of a medial position, respectively, and means separate from said cam means for switching said follower means to one or the other of said cam track portions dependent upon the direction of rotation of said operating means.

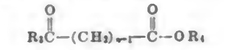
2,456,503
CONDENSATION OF KETENES WITH ESTERS OF KETO ACIDS
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 7, 1946, Serial No. 675,304
9 Claims. (Cl. 260—344)

9. The method of forming a lactone having the general structure:



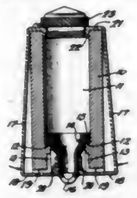
which comprises condensing a ketene having the

general structure $R_1R_2C{=}C{=}O$ with a compound having the general structure:



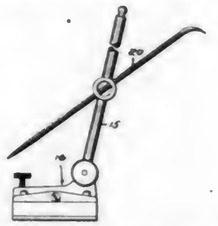
in the presence of a condensation catalyst selected from the group consisting of halides of boron, zinc, aluminum, tin, titanium, and iron, in which formulae R_1 and R_2 each represents a hydrogen atom; R_3 and R_4 each represents a member selected from the class consisting of a hydrogen atom, a methyl group, an ethyl group, a phenyl group, a benzyl group and a phenylethyl group; and n is a whole number.

2,456,504
DISPENSING DEVICE
Arthur Hammerstein, Palatine, Ill.
Application October 4, 1946, Serial No. 701,181
4 Claims. (Cl. 222—214)



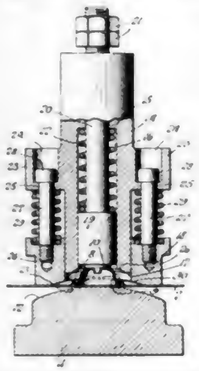
4. In a dispensing device, a casing providing a chamber open at both ends, a removable closure for one end of said chamber, a resilient thimble closing the other end of said chamber and having a slit therein which is normally closed by the resiliency of the material, and a pair of levers carried by said casing for movement toward and from said casing and having inwardly-turned arms engaging said thimble substantially in alignment with said slit, said inwardly-turned arms having end portions extending along the sides of said thimble.

2,456,505
CLAMPING UNIT FOR SURFACE GAUGES OR THE LIKE
James E. Hastings, Athol, Mass., assignor to The L. S. Starrett Company, Athol, Mass., a corporation of Massachusetts
Application January 5, 1946, Serial No. 639,480
6 Claims. (Cl. 248—124)



1. A clamping device adapted for use on a tool, such as a surface gage having a standard as an integral part thereof, said clamping device comprising a clamping bolt provided with a body portion having a hole therethrough and a threaded portion, a thumb screw on the threaded portion, and a plurality of pairs of gripping elements rotatably mounted on said bolt and slidable by the thumb screw axially along said bolt into engagement with each other, one pair of such gripping elements firmly gripping a standard inserted through said hole in the bolt and the other pair of said gripping elements simultaneously gripping a scriber or other instrumentality inserted therebetween and wherein one of the pair of gripping elements which grips the scriber or other instrumentality has a pair of circular holes therethrough and the cooperating gripping element of said pair has a pair of diametrically opposite semi-circular grooves therein which register with said pair of holes.

2,456,506
METHOD OF CLINCHING BAIL EARS TO CAN BODY BLANKS AND APPARATUS THEREFOR
John Henchert, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 21, 1945, Serial No. 636,428
5 Claims. (Cl. 113—116)



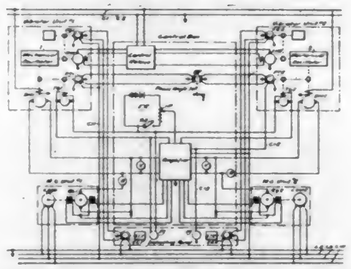
1. The method of clinching bail ears to can body blanks which comprises forming an upstanding annular rib on said blank, assembling an ear with a peripheral flange within said upstanding rib, shaping the blank around the rib into a cylindrical arc having a uniform continuous curvature, pressing the ear down with its flange in partial contact with the curved blank and clinching the rib over the flange, and simultaneously therewith causing the flange of the ear and rib to conform to the curvature of the blank.

2,456,507
METHOD OF APPLYING TUBULAR BANDAGES
Emil G. Hendrickson and Fritz La Cour, Lake Charles, La., assignors to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York
Application October 3, 1946, Serial No. 701,022
4 Claims. (Cl. 128—157)



1. The method of applying a tubular bandage to a part of the body with the aid of an applicator shaped to slidingly embrace the part of the body to be bandaged, including the steps of threading a substantially double length bandage on the applicator, passing the applicator over a part of the body, holding the adjacent end of the bandage to the body part while drawing off the applicator with substantially half the bandage still thereon, turning the applicator to twist the bandage between the applicator and body part, and then reapplying the applicator to the body part to retrovert the remainder of the bandage over the portion first applied to the body part.

2,456,508
ELECTRIC MOTOR CONTROL SYSTEM
Seymour W. Herwald and Harold M. Watson, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 14, 1945, Serial No. 599,345
15 Claims. (Cl. 318—77)

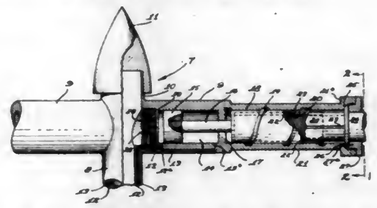


15. Control means for a motor comprising, in combination, an electrical system for energizing said motor, said system having a pair of input terminals and being normally balanced when said terminals are of like potential and being unbalanced and having an electrical output of magnitude and direction depending upon the potential differences of said pair of terminals, electrical means for producing a first electrical potential representative of a selected operating speed of said motor, means for applying said first electrical potential to one of said pair of terminals, means responsive to rotative movements of said motor for producing a second electrical potential corresponding to said rotative movements, means for applying said second electrical potential to the other of said pair of terminals, and means for instantaneously reducing said first electrical potential to zero.

2,456,509
MANUFACTURE OF HYDROGEN FLUORIDE
Abner C. Hopkins, Jr., Hempstead, and Richard M. Stephenson, Long Island City, N. Y., and William E. Watson, West Orange, N. J., assignors to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application October 6, 1944, Serial No. 557,548
4 Claims. (Cl. 23—153)

4. The process for making substantially pure anhydrous hydrogen fluoride comprising contacting a substantially dry gas mixture containing HF and SiF_4 with a substantially anhydrous absorbing liquor consisting essentially of fluosulfonic acid which contains not more than a minor contaminating amount of sulfuric acid, carrying out said contacting operation at temperature not higher than 40° C., whereby HF is absorbed by said liquor, the absorbing liquor is maintained in substantially anhydrous condition, and gaseous SiF_4 is discharged from said contacting operation, thereafter heating said liquor to temperature of the order of 160–164° C. to thereby strip HF out of said liquor, and recovering substantially pure anhydrous hydrogen fluoride in liquid condition.

2,456,510
FLUID CONTROLLED FEATHERING MEANS FOR PROPELLERS
Hansford D. Hurt, Pasadena, Calif.
Application July 10, 1946, Serial No. 682,480
9 Claims. (Cl. 170—135.24)



1. In a structure of the kind described, a T-member the arms of which are tubular, there being a closed-in piston chamber in the inner end portion of each of said arms, a sleeve carried within each of said arms and having an axial stem which carries a head having a working fit in the adjacent piston chamber, means for sealing off the end portions of each of said piston chambers from the adjoining parts of the arm in which they are located, one of said sealing means for each piston chamber consisting of a cross wall having through it an aperture in which one of said stems has a working fit, ducts leading through the side wall of each of said tubular arms and opening into opposite end portions of said piston chambers to supply hydraulic pressure to operate said pistons and to relieve the hydraulic pressure from the portions of the piston chambers toward which the piston heads advance, the aforesaid sleeves each having a spiral interfitted spline and groove relation to the tubular arm in which it is contained so that the reciprocation of said pistons imparts reverse turning movements to said sleeves, and a plurality of propeller blades, one carried axially by each of said sleeves, each of said propeller blades having a cylindrical shank which is fastened in a turnable non-slidable manner in the outer end portion of the sleeve at its side of the T-member.

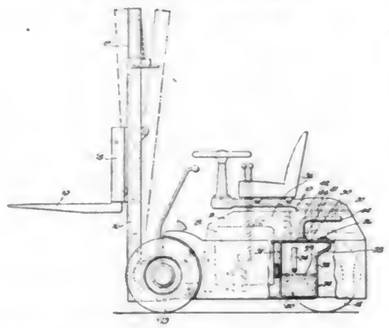
2,456,511
GOLF TEE
Siegfried Gordon Isserstedt, Toronto, Ontario, Canada
Application February 2, 1946, Serial No. 645,075
3 Claims. (Cl. 273—33)



1. A golf tee comprising a blade pointed to form a shank designed to pierce the ground, said blade in its upper portion having an integral wing disposed to overlie a face of the blade in spaced apart relation thereto, the upper edge of said wing and the upper edge of said blade being disposed in substantially the same plane and jointly forming a support for a golf ball, said wing being connected to the blade along one edge thereof, the opposite edge of the blade and the opposite

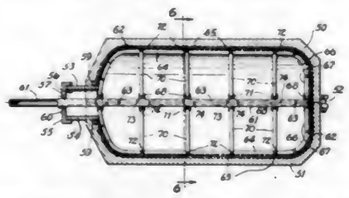
edge of the wing being free from one another, said opposite edges being disposed at the front of the tee forming a channel therebetween opening towards the front of the tee to provide, in effect, a guideway to cause free projection of the ball from the tee when said ball is struck, said upper edges of the blade and the wing being slightly inclined rearwardly and downwardly, said tee being formed with an upwardly projecting shoulder substantially at the point of connection between the wing and the blade and forming with said upper edges a firm seat for the ball.

2,456,512
MUFFLER FOR INTERNAL-COMBUSTION ENGINES
George V. Johnson, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon
Original application December 31, 1943, Serial No. 516,405. Divided and this application August 17, 1945, Serial No. 611,082
3 Claims. (Cl. 180—54)



1. In an automotive vehicle the combination of a chassis provided with a pair of side panels joined by a top panel, each of said side panels carrying a muffler housing integrally formed therewith comprising side walls, bottom wall, and top wall, each of said side panels serving as one outer wall of the chassis and also as one side wall of each muffler housing, said housing containing a predetermined amount of extinguishing liquid, an exhaust pipe extending into said housing into proximity with the free surface of said liquid, and a tail pipe extending out of said housing adjacent the top thereof.

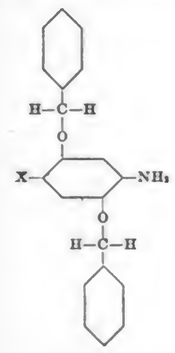
2,456,513
MOLDING OF HOLLOW ARTICLES
Theodore L. Johnson, St. Louis, Mo.
Application April 20, 1945, Serial No. 589,364
9 Claims. (Cl. 18—45)



1. The described method of molding in a mold cavity and concurrently thermally treating a plastic material, between companion rigid and flexible mold elements, which consists in structurally bracing the wall portions of the flexible element to a degree to cause a slightly subnormal distention thereof while located exteriorly of the mold cavity, winding predetermined lengths of the material to be molded, about the flexible mold element, introducing the flexible element carrying the material to be molded, to the cavity, conducting a temperature controlling fluid under pressure and into contact with the flexible element, and thereby controlling the temperature of the mold cavity through heat exchanging action of the heating fluid with the plastic material, and thereby more fully distending the flexible mold element substantially throughout the molding period, then withdrawing the heating fluid, relieving the flexible element of structural bracing, positively withdrawing the walls of the flexible element from a molding position and away from the molded article, and removing the molded article.

2,456,514
DIAZOTYPE LIGHT-SENSITIVE MATERIALS
Derland Johnston, Evanston, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 7, 1945, Serial No. 615,084
5 Claims. (Cl. 95—7)

1. A light-sensitive diazotype material, comprising a light-sensitive diazo derivative of a compound having the general formula:

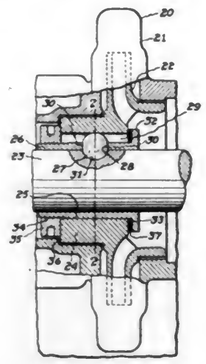


in which X is an acylamino-radical selected from the group consisting of formamido, acetamido, propionamido, butyramido, benzamido, phenylacetamido, methoxyformamido, ethoxyformamido, propoxyformamido and succinimido.

2,456,515
ANIMAL FEED COMPOSITION
Jonas Kamlet, New York, N. Y., and Ralph P. Reece, Highland Park, N. J., assignors to Thiokol Corporation, Trenton, N. J., a corporation of Delaware
No Drawing. Application January 6, 1948, Serial No. 816
2 Claims. (Cl. 99—2)

1. An animal feed containing 0.05 to 2.0 per cent by weight of 4-methyl, 2-thiouracil.

2,456,516
LOCKING AND ADJUSTING DEVICE
Carleton B. Kidney, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application February 19, 1946, Serial No. 648,699
2 Claims. (Cl. 287—52)



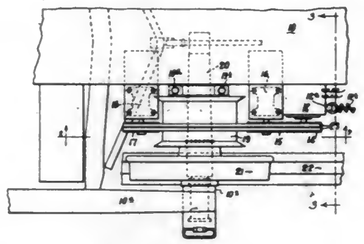
1. In a locking and adjusting device, a wheel having a key-slot therein, opposed seating surfaces on the wheel, a shaft for the wheel, a tubular holder interposed between the wheel and the shaft and having a hole extending therethrough, a key in the shaft to extend through the hole into the key-slot and having opposed sides to engage the wall of the hole for preventing axial movement in either direction of the holder with respect to the shaft, a shoulder on the tubular holder to serve as an abutment for one seating surface, and a nut threaded onto the tubular member to act against the other seating surface to hold the wheel against movement axially of the holder.

2,456,517
CYANOETHYL, ACETO-SUCCINIC ACID ESTERS
Elbert C. Ladd, Passaic, and Homer W. Paxton, Lodi, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 27, 1948, Serial No. 11,862
4 Claims. (Cl. 260—465.4)

1. An alpha-acyl-alpha-(2-cyanoethyl) succinic acid ester.

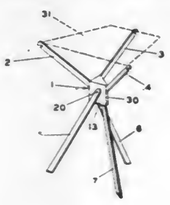
2,456,518
V-FLAT DRIVE
Edgar K. Lofton, Lake Bluff, Ill., assignor to The Dayton Rubber Company, a corporation of Ohio
Application December 29, 1944, Serial No. 570,273
7 Claims. (Cl. 74—221)

7. In combination, in a V-belt drive, a relatively long flat pulley, a plurality of V-shaped pulleys arranged on opposite sides of said flat pulley and having their axes of rotation normally parallel to the axis of rotation of said flat pulley, a V-shaped belt engaging the grooves of said V-shaped pulleys through its side walls and said flat pulley through its back, and yielding means continuously urging at least one of said V-shaped pulleys toward belt tightening position, and means supporting said flat pulley for pivoting movements about a line spaced from the axis of the pulley



and generally perpendicular to the axes of all of said pulleys.

2,456,519
FOLDING STOOL SUPPORTING STRUCTURE
Ralph B. Long, Flint, Mich.
Application December 18, 1946, Serial No. 716,900
1 Claim. (Cl. 155—136)

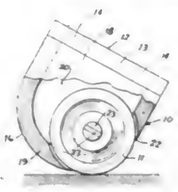


In a folding stool having a center member, a group of seat supporting arms extending therefrom and a group of legs extending therefrom, the improvement in said center member comprising: a polygonal central section; a depending leaf perpendicularly disposed with relation thereto extending downwardly from each side of said central section and extending along each of said sides from one end thereof to a point close to but spaced from the other end; a stop near the lower edge of each of said leaves and on the edge of said leaf which connects with said one end of a side of the central section to which side a given leaf is attached; means pivotally holding said seat supporting arms on said leaves within the space partially defined thereby and permitting them in one pivotal position to extend outwardly and upwardly between the said leaves and means pivotally holding the legs outside of the space defined by said center member in position with respect to said stop for limiting movement of said leg with respect to said center member at a predetermined position.

2,456,520
CASTER
Joseph G. Maresco, Bronx, N. Y.
Application December 31, 1946, Serial No. 719,458
1 Claim. (Cl. 16—40)

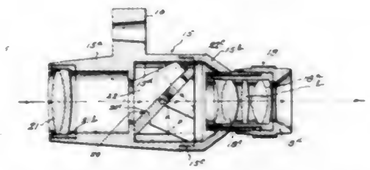
A caster, comprising a casing, a roller mounted on said casing a short distance above its bottom, said casing having a top weight supporting surface for attachment on the bottom of an article which is to be supported, and said casing also having a bottom curved cam-like surface for resting on the floor or ground for normally supporting said article in a stationary working posi-

tion and for tilting said casing when said article is tilted for lowering and engaging said roller against the floor or ground for receiving the weight of said article so that it may be easily moved about, said casing having side walls and



a bottom wall completely enclosing a space within said casing, and said roller being mounted within said casing and having a small edge portion projecting through an opening in the walls of said casing.

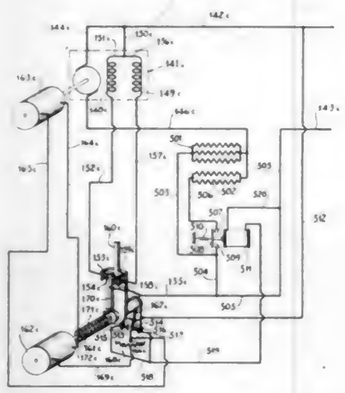
2,456,521
PRISM SYSTEM AND PRISM SYSTEM MOUNT FOR OPTICAL VIEWING INSTRUMENTS
Bernard T. Maxwell, Fairport, N. Y.
Application September 8, 1945, Serial No. 615,113
10 Claims. (Cl. 88—33)



1. In a prism system for optical viewing instruments including two prisms, each having three optically active faces, one of said prisms being a roof prism, two adjacent optically active faces of the two prisms facing each other being arranged obliquely with respect to the line of sight, said prism system being adapted to align a central entrant ray of one prism with the central exit ray leaving the second prism, an opaque diaphragm between the adjacent surfaces of said prisms provided with an aperture, located eccentrically with respect to the straight line along which the central entrant and exit rays are aligned and providing a passage for the picture forming rays passing through the said adjacent prism faces, while the opaque diaphragm intercepts the passage of undesirable rays.

2,456,522
CONTINUOUSLY ADJUSTABLE SPEED ELECTRIC DRIVE
Peter J. McLaren, deceased, late of New York, N. Y., by Central Hanover Bank and Trust Company, executor, New York, N. Y., John A. Vaughan, Hempstead, N. Y., and Macon Fry, Harrington Park, N. J.; said McLaren, Vaughan, and Fry, assignors, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y., a corporation of New York
Continuation of application Serial No. 473,800, January 28, 1943. This application May 18, 1948, Serial No. 27,807
5 Claims. (Cl. 318—257)

1. A reversible, adjustable speed, electric drive comprising, in combination, a shunt wound motor having an armature and a pair of opposed field windings, circuit means for connecting the armature in circuit with a source of current supply, circuit means for rendering the field windings alternatively effective that one to drive the motor in one direction and the other to drive the motor in the opposite direction, comprising a first pair of contacts for establishing a circuit including the first of said field windings but not the second, and a second pair of contacts for establishing a circuit including the second of said field windings but not the first, each pair of contacts including a manually settable contact and a cooperative speed responsive contact, a manual control member operable selectively in opposite directions from a neutral position throughout a prescribed range to cause one or the other pair of contacts to become engaged, means for causing the en-



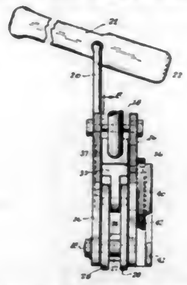
gaged contacts to be pressed together with progressively increased force as the extent of departure of the manual control member from neutral is increased, and means operated by the motor for shifting the engaged speed responsive contact out of engagement with the cooperative manually settable contact against the force tending to hold them in engagement, when the motor speed exceeds a value characteristic of the position to which the manual control member has been moved, said means operated by the motor for shifting the speed responsive contacts out of engagement with the manually settable contacts comprising a generator driven by the motor, and a galvanometer operated by the generator and including a galvanometer output arm for shifting the speed responsive contacts

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2,456,523
BANDING MACHINE
John H. Mead, Kalamazoo, Mich.
Application September 14, 1944, Serial No. 554,123
8 Claims. (Cl. 81—9.1)

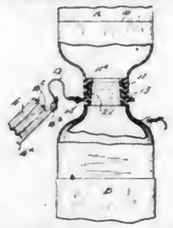
1. In a device for securing a band around an article with a seal, the combination comprising a support, a pair of crimping jaws pivotally attached to the support, an anvil disposed between said jaws and rigidly affixed to said support, a toggle joint connecting said jaws, a cutter connected to said toggle joint and slidable on said support, a guide means for said cutter affixed to said support, said guide means being provided with a shearing edge at the lower portion thereof to cooperate with said cutter, said cutter and said

jaws being spaced laterally from each other and means to actuate the toggle joint whereby said



jaws and cutter are moved in crimping and cutting positions.

2,456,524
APPARATUS SUITABLE FOR USE IN THE TREATMENT OF WATER CONTAINING CHLORIDES DISSOLVED THEREIN
Howard D. Meincke, Jr., Glencoe, Ill., assignor to Howard D. Meincke, Sr., Glencoe, Ill.
Application May 12, 1944, Serial No. 535,336
4 Claims. (Cl. 210—16)

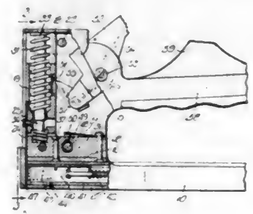


1. An apparatus suitable for the treatment of water containing a chloride in solution for the purpose of removing chlorine from said chloride dissolved therein, the said apparatus comprising a container of collapsible waterproof material having a neck of semi-rigid material, the neck having a mouth for the introduction thereinto and into said container of the water and a chemical suitable for precipitating chlorine from said chloride, dissolved therein, as an insoluble chloride, a second container of collapsible waterproof material having a neck of semi-rigid material provided with a mouth, a filter element of collapsible material within the second container and having its receiving portion secured in proximity to the inner end of the neck of the second container whereby water introduced into said second container must pass through said filter element, the necks of said containers being complementary in shape, one to the other, whereby the containers may be united through a movement of the neck of one of said containers longitudinally of the neck of the other container.

2,456,525
SUPPORTED SODIUM CATALYST AND PREPARATION THEREOF
George Alexander Mills, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 6, 1947, Serial No. 726,957
6 Claims. (Cl. 252—204)

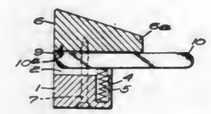
1. The process of preparing active surfaces of substantially pure metallic sodium which comprises treating an inert non-porous material with a solution of sodium in liquid ammonia, and evaporating the ammonia, while preventing access of air and moisture to the treated material during evaporation.

2,456,526
TACKER
Kenneth F. Morberg, Chicago, Ill., assignor to Henry A. Torstenson, Chicago, Ill.
Application December 21, 1946, Serial No. 717,692
5 Claims. (Cl. 1—49)



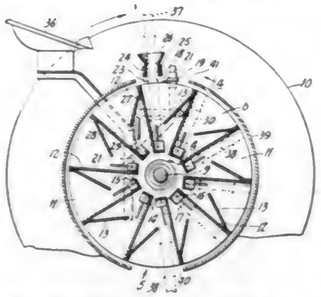
1. In a fastener driving mechanism comprising a housing having an upright guideway, a hollow driver mounted in said guideway, spring means for forcing the driver downwardly to drive a fastener, means for feeding fasteners to a driving position beneath the driver, means for raising the driver against the action of the spring to a predetermined position and then releasing the same, a bumper block having cushioning spring means beneath the driver and a guide member extending upwardly from the bumper block within the hollow driver and both said spring means whereby upon descent of the driver to deliver a blow to drive a fastener the driver will engage said spring means near the end of its movement to cushion the same.

2,456,527
TIE RACK
Guy S. Moore, Fall River, Mass., assignor to Alfred Lagasse, Boston, Mass.
Application April 9, 1947, Serial No. 740,456
2 Claims. (Cl. 211—89)



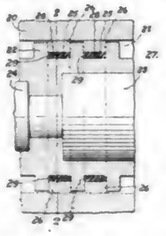
1. A tie rack having a base member adapted to be secured to a vertical surface, a series of slots extending across said base member in a direction away from the vertical surface, a cross-piece mounted in a groove in the base member at the inner end of each slot depending therein adjacent the upper edge thereof, a vertically disposed hole adjacent the outer edge of each slot, a compression spring in each hole; a tie-supporting bar in each slot, fulcrumed on said cross-piece, resting on said spring, and extending outward beyond said base member; and a cover member secured to the top of said base member and extending therebeyond over a portion of the tie bar whereby a tie may be yieldingly held between the tie bar and said cover.

2,456,528
STATIONARY CUTTER WITH ROTARY DRUM FEED FOR CUTTING SUGAR CANE INTO SEED LENGTHS
Robert Joseph Moyle, Innisfail, Queensland, Australia
Application October 16, 1946, Serial No. 703,597
In Australia April 3, 1945
3 Claims. (Cl. 146—166)



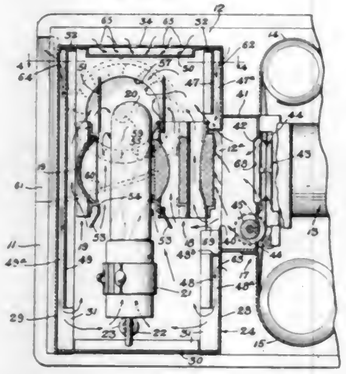
1. In an agriculture implement, a planting mechanism for sugar cane and the like comprising a rotary member having a horizontal axis, radially extending compartments formed in the member each adapted to receive a cane stalk upon rotation of the member to a charging position, means for rotating the member, a stationary cutting blade located parallel to the axis of the rotary member adjacent the periphery of the same in a position to sever the cane stalk as it is carried thereagainst during rotation of the member, movable guide means adjacent the periphery of the rotary member and spaced radially beyond the cutting blade arranged to direct successive lengths of the cane stalk into successive compartments during rotation of the member, spring means biasing said guide means toward normal operating position, and means for supporting said guide means for movement by the portion of the cane in the respective compartments against spring bias from a normal operating position in the front of the cutting blade toward the cutting blade to accommodate severance of the cane stalk and to return the guide means to normal operating position upon severance.

2,456,529
SEALING DEVICE
Julius Naab, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 20, 1945, Serial No. 623,579
1 Claim. (Cl. 309—43)



In a sealing device, a body having an annular groove in its periphery, sealing means in the groove consisting of a plurality of segments, a rubber ring in the groove to urge the segments radially outward and being in sealing engagement with the bottom of the groove and with the inner surfaces of the segments, and recesses arranged in staggered relation in the opposed edges of the rubber ring to permit the flow thereinto of rubber displaced by the segments.

2,456,530
PROJECTOR LAMP HOUSING AND COOLING SYSTEM THEREFOR
Otto R. Nemeth, Chicago, Ill.
Application May 22, 1944, Serial No. 536,725
3 Claims. (Cl. 88—24)

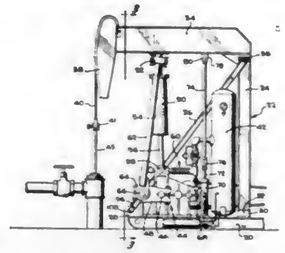


1. In combination in a projector lamp housing, external walls surrounding a space to be occupied by a projection lamp within the housing, respective inner heat shielding walls mounted in spaced relation to said external walls and cooperating therewith to provide air ducts, said air ducts being open to atmosphere at their upper ends and being open to the interior of the housing at their lower ends, additional heat shielding structure arranged on at least three sides of said projection lamp space and spaced from the lamp and from said heat shielding walls whereby to provide air flues about the lamp and between the heat shielding walls and said heat shielding structure in communication with the inner ends of said air ducts, and means for creating forced circulation of air from atmosphere downwardly through the air ducts and thereafter upwardly through said air flues, thus providing three insulating and cooling layers of moving air between the lamp and the exterior walls.

2,456,531
SETBACK MEANS FOR PUMPING UNITS
Edgar W. Patterson, Downey, Calif.
Application June 30, 1947, Serial No. 758,130
1 Claim. (Cl. 255—17)

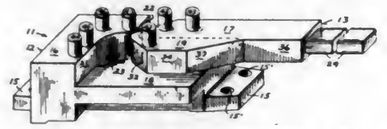
In a well pumping unit including a base, a post pivoted at its lower end to said base and extending upwardly therefrom, a walking beam pivotally secured to the upper end of said post with one end arranged to extend over a well to be pumped, a strut connected at its upper end to said post, and releasable means for positively securing the upper end of said post against pivotal movement relative to said base during pumping operation of said unit: the improvement which comprises a horizontal shaft rotatably mounted transversely of said base, a crank arm secured to said shaft, with the outer end of said crank arm pivotally secured to the lower end of said strut, a worm wheel secured to said shaft, a self locking worm

gear rotatably mounted on said base for meshing engagement with said worm wheel, and means for rotating said worm gear to rotate said shaft and crank arm to cause said strut to pivot said post relative to said base to selectively position said



end of said walking beam over a well or to retract such end from over the well without movement of said base, said worm gear being operative to lock said worm wheel, shaft, crank arm, strut and post against movement from any position of adjustment thereof.

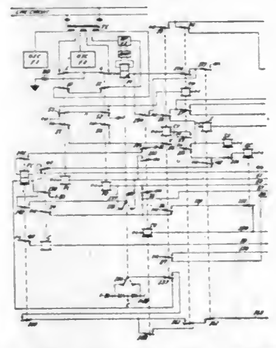
2,456,532
ROD BENDER
Peter L. Perazzo, Napa, Calif.
Application December 1, 1945, Serial No. 632,237
5 Claims. (Cl. 153—15)



1. In a rod bender, a base providing a flat upper face, former pins extending upwardly from said base face, a lever arm mounted on said base for swinging about a fixed axis perpendicular to the upper base face and having a flat upper face coplanar with said base face, and former pins extending from the upper face of said lever arm in eccentric relation to its axis of swinging, said former pins of the base and lever arm being so related as to engage a rod disposed upon said upper faces of the base and arm as the sole means for bending the rod about one of them as the lever arm is swung from the position it had when the rod was placed upon the base and lever arm.

2,456,533
CENTRALIZED TRAFFIC CONTROL SYSTEM FOR RAILROADS
Neil D. Preston and Forest B. Hitchcock, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application May 14, 1945, Serial No. 593,576
35 Claims. (Cl. 177—353)

2. A code communication system operating by carrier frequency transmission for providing indications from a plurality of field stations one at a time in a predetermined order during successive operating cycles to a distant control office comprising, transmitting means at the control office including self-propelled stepping means operable to transmit to all field stations impulses of carrier frequency of different selected characters at successive intervals, transmitting means associated with each field station and including stepping means automatically operated in response to the transmission of said impulses from the control office regardless of their selected characters for selectively transmitting or not a pulse of carrier frequency during each of the off intervals between said impulses from the control office dependent upon the code call allotted to that station, control means at the control office governed by the respective pulses received from the field stations then acting for determining the character of the next succeeding frequency impulse to be transmitted from the control office, said control means acting to transmit an impulse of one character in preference to the other if such character should be called for by any one of the field stations, station registration means in the control office operated in accordance with the character of the successive impulses transmitted by the control office, and station selecting means at each field station initially conditioned at the beginning of each operating cycle, and maintained effective after the transmission of the series of impulses from the control office only if the character of such impulses matches the code call belonging to that field station.

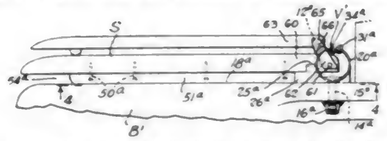


33. In a code communication system of the type described for establishing communication between a control office and a field station by space radiation during successive operating cycles, transmitting means and receiving means at the control office and at the field station, each transmitting means acting while in operation to render its associated receiving means ineffective, means in the control office including step-by-step means for governing the associated transmitting means to send a series of distinctive signal pulses to comprise a control code ending with a characteristic clear-out signal, means at the field station including step-by-step means governed by the associated receiving means for controlling the associated transmitting means for a relatively short time during successive off intervals in accordance with the indication code to be transmitted from that station, and means at said field station responsive to said characteristic clear-out signal to restore said step-by-step means to its normal condition.

2,456,534
VENTILATED TOILET
Andrew P. Riedele, Los Angeles, Calif.
Original application December 2, 1941, Serial No. 421,302. Divided and this application November 13, 1945, Serial No. 628,243
5 Claims. (Cl. 4—217)

1. In a ventilated toilet, a bowl; a seat therefor having a tail portion; a ventilating adapter having a tubular portion with a peripheral inlet and with an outlet adapted for connection to a vent pipe; means for securing the adapter to the bowl; and means pivotally mounting the

seat on the adapter, with said inlet disposed between the bowl and the undersurface of said seat and with the tail portion of the seat projecting through said inlet into said tubular portion when the seat occupies its lowered position on the bowl.

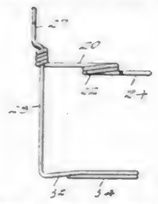


2,456,535

UNIVERSAL ALL WIRE BRACKET

Raymond R. Rundell, Miami, Fla.

Application October 8, 1945, Serial No. 621,140
7 Claims. (Cl. 248—302)



5. A wire bracket comprising a pair of vertical supporting bars, a circular base extending forwardly of the lower ends of said bars, a pair of confronting V-shaped jaw members, and means resiliently securing said jaw members to said bars adjacent the upper ends of the latter, each jaw including a loop at the apex of the V.

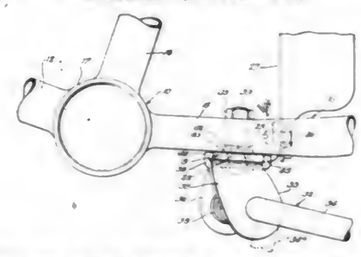
6. A wire bracket comprising a pair of base forming members, a pair of confronting V-shaped article gripping jaw members, means integral with said base forming members and said jaw members supporting the latter above said base forming members, confronting extensions carried by the rear ends of said base forming members, a vertical bar integral with at least one extension, a resilient coil integral with another extension and engaging about said bar, and a looped supporting member integral with said coil and said bar, said looped member being disposed perpendicular to the axis of said coil.

2,456,536

PARKING STAND AND MOUNTING THEREFOR

Frank W. Schwinn, Chicago, Ill.

Application December 29, 1945, Serial No. 637,841
1 Claim. (Cl. 280—301)



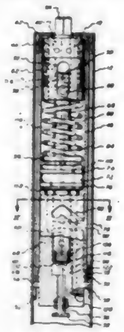
For use on a bicycle, motorcycle or the like including a frame having a rear fork with laterally separated side legs and a mud guard having an end portion extending between the side legs, the combination comprising a stamped metal strap of substantial thickness having a body portion secured to and extending laterally across the lower surfaces of the side legs of said fork at a position forwardly of said legs from the extending end of the mud guard, said strap having integrally formed on the body portion thereof a lug projecting angularly from one edge of said body portion intermediate said legs of the fork to serve as an anchor for said end portion of the mud guard, a parking stand support bracket having a portion of a size and shape to fit against the exposed lower surface of said strap, said portion of the bracket having integral flanges along opposite edges thereof for embracing the laterally disposed opposite side edges of the strap, the rear flange having a portion cut away to receive the base of said lug on the strap, and fastening means for removably securing the bracket to the strap with the cut-away flange embracing the sides of the lug laterally offset from said fastening means and in the plane of the body portion of the strap.

2,456,537

HYDRAULIC DOOR CHECK

David J. Seaman and Albert E. Wood, Battle Creek, and Clarence A. Hathaway, Lansing, Mich.; said Wood and said Hathaway assignors to said Seaman

Application August 7, 1944, Serial No. 548,388
4 Claims. (Cl. 16—55)



1. A hydraulic door check comprising spring means in which energy is stored up on opening movement of a door, a cylinder, a piston operating in said cylinder, said spring means acting against said piston to displace hydraulic fluid from said cylinder, valve means for controlling movement of said piston and the rate of dissipation of said spring, and means associated with said valve means including axial spaced portions of similar cross section separated by portions of lesser cross section for providing first an increasing then a decreasing and finally an increasing rate of restriction during movement of said piston prior to an increasing restriction at the time of complete closing.

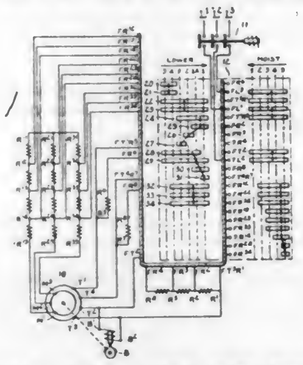
2,456,538

CONTROL FOR ALTERNATING CURRENT MOTORS

Edwin W. Seeger, Wauwatosa, and Norbert L. Schmitz, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application November 12, 1946, Serial No. 709,342
11 Claims. (Cl. 318—225)

11. In combination, a polyphase multi-voltage alternating current motor having separate sets of terminals for each winding section in each phase of the motor primary, through the medium of which the winding sections in each phase may be connected in either series or parallel relation, a resistor, a polyphase alternating current supply circuit, and means to connect to said supply circuit all phases of the motor primary for single phase supply thereof, said means providing for connection of the winding sections in one phase of the motor primary in parallel or series relation



selectively and in changing them from parallel to series relation, first inserting said resistor in the connection to one terminal of the last mentioned winding sections, at the same time shifting to said one terminal from the opposite terminal of said last mentioned winding section its interconnection with the other of the last mentioned winding sections and then interrupting said connection through said resistor to said last mentioned winding sections.

2,456,539

COAGULATION OF NEOPRENE LATEX

David G. Slovin, Providence, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 28, 1946, Serial No. 719,131
3 Claims. (Cl. 260—92.7)

1. The method of coagulating polychloroprene latex containing zinc oxide which comprises treating the polychloroprene with an aqueous solution comprising hydroxyacetic acid having a concentration between 15 and 70 percent and hydrochloric acid having a concentration between 0.5 and 5 percent, the concentrations being based on the weight of the aqueous solution.

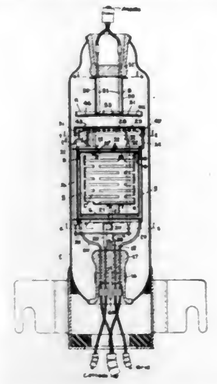
2,456,540

ELECTRODE STRUCTURE FOR ELECTRON DISCHARGE TUBES

Earl K. Smith, West Orange, N. J., assignor to Electrons, Incorporated, Newark, N. J., a corporation of Delaware

Application June 7, 1946, Serial No. 674,953
19 Claims. (Cl. 250—27.5)

1. A grid control electron discharge tube comprising, a thermionic emissive cathode, a heat shield surrounding said cathode and having a discharge opening therein, a control grid adjacent said discharge opening, and means supporting and insulating said grid from said heat shield including a plurality of insulating elements of ceramic material attached to said heat shield, and a plurality of metallic elements attached to said control grid, said insulating and metallic elements cooperating to shield certain surfaces of the insulating elements from the accumulation of evaporated material, thereby preventing formation of a continuous film of evaporated material on the exposed surfaces of said insulating element to constitute a surface leakage path of reduced resistance from the control grid to said heat shield.

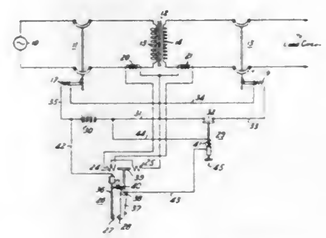


2,456,541

DIFFERENTIAL RELAY

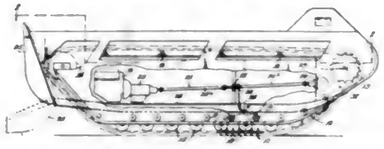
Josef Stoecklin, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company of Switzerland

Application October 24, 1945, Serial No. 624,189
In Switzerland October 28, 1944
5 Claims. (Cl. 175—294)



1. A device for protecting alternating current power apparatus including inductively coupled windings subject to transient magnetizing currents such as transformers and the like, and which are connected and disconnected from the power system by a circuit breaker having an electro-responsive tripping device therefor, said protective device comprising, a trip relay controlling energization of the circuit containing the tripping device of the circuit breaker, said trip relay having a delay closing characteristic, and an energizing circuit for said trip relay controlled jointly by contact means of a differential relay energized in accordance with the respective current flows in the inductively coupled windings of the power apparatus and by contact means of an electro-mechanical vibration contactor resonant at the frequency of the power system and operated therefrom.

2,456,542
AMPHIBIAN CARGO CARRIER
Benjamin A. Swennes, Rockford, Ill., assignor, by mesne assignments, to United States of America as represented by the Secretary of the Navy
Application October 30, 1943, Serial No. 508,304
30 Claims. (Cl. 115—1)

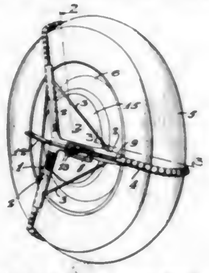


1. In an amphibian vehicle, the combination of movable tracks on the exterior of the vehicle adapted to propel the vehicle either over land or through the water, a motor in said vehicle and connected to drive said tracks, an accelerator for said motor, a transmission providing a plurality of speed ratios and operatively connected between said motor and said tracks, and governor means responsive to the speed of said tracks, said transmission being under the joint control of said accelerator and said governor means to down-shift the transmission when said accelerator is moved toward fully open throttle position or when the speed of said tracks decreases and to upshift the transmission when said accelerator is moved toward fully closed position or the speed of said tracks increases, whereby when the vehicle is driven from land to water or vice versa a proper change in speed ratio is provided.

2,456,543
METHOD OF PREPARING BUTANE-1,2,4-TRICARBOXYLIC ACID
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 3, 1948, Serial No. 12,893
1 Claim. (Cl. 260—537)

A method of preparing butane-1,2,4-tricarboxylic acid which comprises treating diethyl alpha-acetyl-alpha-(2-cyanoethyl) succinate with an alkali-metal hydroxide.

2,456,544
ANTISKID DEVICE
Charles E. Varner, Toledo, Ohio
Application January 23, 1946, Serial No. 642,901
3 Claims. (Cl. 152—225)

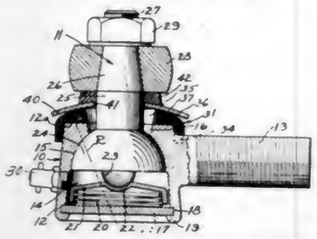


3. An anti-skid device comprising a body member having three outwardly opening tubular arms equally spaced in one plane, three tire engaging members, each having an outer hooked end of a shape and size to engage an automobile tire and an inwardly directed shank telescoped into one of said arms, two of said engaging members having their shanks threaded into the respective arms and the third engaging member having its shank slidable in its arm, and a quick-acting clamping device for drawing said third shank towards the center of the body member and locking it in that position.

2,456,545
SYNTHESIS OF CHLORAL
Thomas H. Vaughn, Grosse Ile, Mich., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application November 26, 1945, Serial No. 630,995
7 Claims. (Cl. 260—601)

1. The method of making chloral which comprises chlorinating ethylene chlorohydrin at a temperature not over 90° C.

2,456,546
TIE ROD JOINT SEAL
Anthony Venditty, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application January 1, 1944, Serial No. 516,740
1 Claim. (Cl. 287—90)



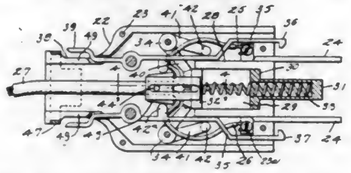
A universal joint seal comprising a deformable plastic member providing a deformable arcuate rocking surface on a joint part, a metal seal part having an arcuate rocking surface of greater radius than said deformable arcuate rocking surface and riding thereon, and resilient means urging said rocking surfaces into sealing engagement.

2,456,547
ELECTRIC FENCE WIRE FASTENER
Arthur E. Weber, Monee, Ill.
Application January 21, 1948, Serial No. 3,626
5 Claims. (Cl. 174—211)



1. A device for detachably securing a strand of electric wire to a support comprising a strap having lateral offset portions formed at each end, one of said offset portions terminating in an inturned portion, means supported parallel to the strap by the other offset portion for securing the strap to a support, a radially slotted ring secured to said clamp, a feather edged insulated inner circumference on said ring upon which the electric wire is seated.

2,456,548
ELECTRICAL PLUG AND SOCKET
Leon Weiner and Bernard I. Bell, Houston, Tex.
Application March 25, 1946, Serial No. 656,801
2 Claims. (Cl. 173—361)



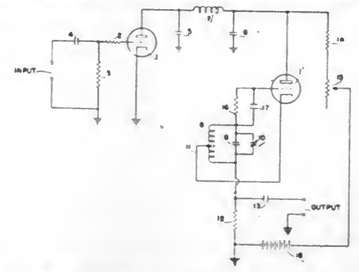
1. An improved electric connecting plug comprising a hollow body, conducting prongs extending from an end of said body, a pair of elongated levers pivoted intermediate their length in said body extending therefrom adjacent said prongs at one end and extending outwardly from said body at the other end, hooks on said levers at said one end, a pair of bellcranks rockable in said body, a plunger slidable in said body, a plug slidable in said body, a compressible spring between said plunger and said plug, one arm of each bellcrank abutting an end of said plug, the other arm of said bellcranks engaging said levers for biasing said levers in opposite directions, a cam slidable in said housing fixed on an electric cord extending therein engageable with said levers for rocking said levers against the spring tension for releasing the plug from hooked engagement with a correlated socket.

2,456,549
PREPARATION OF CARBOXYLIC ACIDS BY THE OXIDATION OF ALDEHYDES
Charles Weizmann, London, England, assignor to Polymerisable Products Limited, London County, England, a British company
No Drawing. Application January 29, 1947, Serial No. 725,147. In Great Britain April 18, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 18, 1961
11 Claims. (Cl. 260—530)

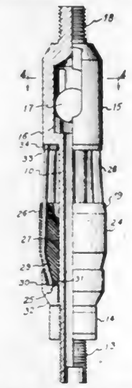
10. A process of oxidizing an aldehyde to a fatty acid which comprises passing a gaseous fluid containing free oxygen into contact with a mixture of such aldehyde with a catalyst which is a mixture of the manganese, cobalt and lead salts of an unsaturated aliphatic acid.

2,456,550
KEYED OSCILLATOR
Finley B. Wilson, San Antonio, Tex., assignor to the United States of America as represented by the Secretary of the Navy
Application July 16, 1946, Serial No. 684,049
9 Claims. (Cl. 250—36)

1. An electronic device for the generation of pulses at a frequency harmonically related to a trigger pulse frequency comprising, a free running inductance capacity oscillator including a vacuum tube having a plate and a cathode, a source of voltage having its positive terminal connected to said plate, a resistance connected between the cathode and the negative terminal of said source, output terminals connected to the ends of said resistance, and means responsive to a trigger pulse for rendering said oscillator inoperative for a predetermined interval whereby the oscillator will commence to oscillate at a predetermined time relative to initiation of the trigger pulse.



2,456,551
WELL SWAB
Robert A. Wilson, Dallas, Tex.
Application November 19, 1945, Serial No. 629,637
4 Claims. (Cl. 309—4)

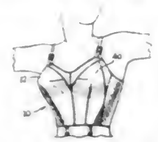


1. A swab unit for a well swab including, a flat base collar, a plurality of upright wickers having their lower ends secured in the outer marginal portion of the base collar, said wickers being bowed outwardly at their lower medial portions, a flat retaining ring in which the upper ends of the wickers terminate substantially flush with the top of the retaining ring, and an elastic cup molded solidly around the bowed and lower portions of said wickers and having an annular lip at its upper end, the cup having an elongate elastic bore throughout its length.

2,456,552
BUST MOLDING AND UPLIFTING GARMENT
Max Emanuel Wittner, Brooklyn, N. Y.
Application June 28, 1947, Serial No. 757,698
3 Claims. (Cl. 2—42)

1. A bust molding and uplifting garment constituting a pair of like bust covering portions and means to hold the same in position on a wearer, each said bust covering portion including a panel of bias-cut material comprising a dome-shaped zone the boundaries of which are within the area covered by the base of a breast which the bust covering portion is adapted to mold, the upper

side edges of said panel converging upwardly from below said dome-shaped zone to substantially a point at the top of said dome-shaped zone, each said bust covering portion further comprising a pair of straight-cut bands one disposed along-



side of and secured to each of the converging upper side edges of said panel, the lower end of each band being below said zone, each said band being widest at about the middle thereof and tapering toward both ends.

2,456,553

FASTENER CLIP

Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application June 14, 1944, Serial No. 540,305
5 Claims. (Cl. 24—81)



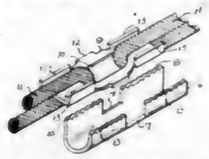
2. A fastener clip for attachment to a support having angularly disposed web and leg portions, said clip comprising an article-supporting base and a loop-shaped attaching portion extending in angular relation thereto, and a resilient hinge connecting the attaching portion and the base, said loop portion having opposed clamping portions cooperating to engage opposed surfaces of said leg portion whereby said clip is secured to said support.

2,456,554

CONNECTOR FOR CORDS OR CABLES

Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application October 12, 1945, Serial No. 621,914
3 Claims. (Cl. 24—123)



3. A connector for cord and the like comprising a snubbing member comprising an elongated plate provided with shoulders on opposite edges and an elongated sheet metal sleeve member normally of U-shaped cross section having side portions of deformable material and notches therein, said snubbing member being disposed between said side portions, said shoulders being engaged in said notches, said side portions being adapated to be crimped so as to curve over the snubbing member and direct edges thereof toward the upper face of said plate whereby a cord may be gripped and snubbed by being looped with a bight at an edge and with portions thereof gripped on each face of the plate.

2,456,555

SECONDARY ALKYL (SECONDARY) AMINO ALCOHOL ESTERS OF ARYL-SUBSTITUTED ALIPHATIC ACIDS

Arthur C. Cope, Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application October 6, 1945, Serial No. 620,839
12 Claims. (Cl. 260—477)

1. Esters of secondary alkyl(secondary)amino alcohols, of the general formula X—COOR$_1$NHR, in which R represents a secondary alkyl group attached to the amino nitrogen and has a total of at least three and less than eleven carbon atoms, R$_1$ is a divalent alkylene group having a total of from two through four carbon atoms and with at least two carbon atoms linked in sequence between the oxygen and the nitrogen, and X is selected from the group consisting of the styryl radical, diphenylmethyl radical, alpha-cyclohexyl-alpha-phenylmethyl radical and alpha-phenylpropyl radical.

2,456,556

SECONDARY - ALKYL (SECONDARY) AMINO ALCOHOL ESTERS OF PARA-DIALKYL AMINO BENZOIC ACID

Arthur C. Cope, Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application October 6, 1945, Serial No. 620,840
9 Claims. (Cl. 260—472)

1. Esters of secondary-alkyl(secondary)amino alcohols of the general formula

$$(R_2)_2NC_6H_4COOR_1NHR$$

in which R is a secondary alkyl group with less than 10 carbon atoms; R$_1$ is an alkylene group having 2 through 4 carbon atoms with at least 2 carbons linked in sequence between the oxygen and the nitrogen; R$_2$ is an alkyl group containing less than 5 carbon atoms; and the dialkyl amino group is linked to the benzene nucleus in para-position to the carbonyl group.

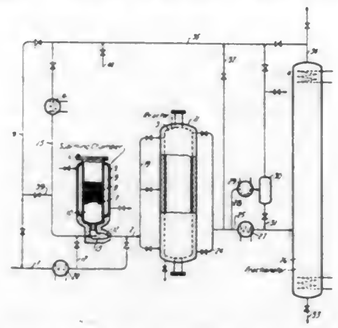
2,456,557

HYDROCARBON CONVERSION

Adam Dyduszynski, Chester, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 12, 1946, Serial No. 709,317
In Great Britain November 12, 1945
5 Claims. (Cl. 260—683.15)

1. In a process for the catalytic conversion of hydrocarbons wherein hydrocarbons are contacted with aluminum chloride under conversion conditions in an unpacked reaction chamber, the steps which comprise maintaining a circulating stream of gaseous reactants comprising gaseous hydrocarbons containing sublimed aluminum chloride uniformly dispersed therein in a substantially closed circuit, said circuit comprising said unpacked reaction chamber in communication by means of a restricted zone of fluid flow in a confined stream with an aluminum chloride dispersing zone, continuously subliming solid aluminum chloride out of contact with said hydrocarbons, introducing said sublimed aluminum chloride into said aluminum chloride dispersing zone, continuously circulating effluence from said reaction chamber comprising gaseous hydrocarbons containing sublimed aluminum chloride dispersed therein through said restricted zone of fluid flow and said aluminum chloride dispersing zone back into said reaction chamber, thereby continu-



ously dispersing fresh sublimed aluminum chloride into said circulating stream of reactants, continuously introducing fresh gaseous hydrocarbons to be converted into said circuit, continuously withdrawing a portion of said reactants comprising gaseous hydrocarbons and aluminum chloride from said circuit, and separately removing aluminum chloride and hydrocarbons from said withdrawn portion of reactants.

2,456,558

PROCESS FOR THE POLYMERIZATION OF STYRENE AND RELATED COMPOUNDS

Sanford E. Glick, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 25, 1944, Serial No. 560,341
3 Claims. (Cl. 260—91)

1. A process for the mass polymerization of aromatic vinyl compounds taken from the group consisting of styrene, para methyl styrene, para ethyl styrene, ortho chlorostyrene, meta chlorostyrene, para chlorostyrene, 2,5-dicholorostyrene, 3,4-dichlorostyrene, vinyl diphenyl and vinyl naphthalene in the absence of polymerization catalysts which comprises initiating polymerization by heating the mass at 80° C. to 110° C. for 10 to 16 hours, thereafter gradually raising the temperature of the mass to 120° C. to 140° C. during a period of 20 to 30 hours, continuing the polymerization at 120° C. to 140° C. for 10 to 16 hours and completing the polymerization at 165° C. to 185° C. for 10 to 30 hours.

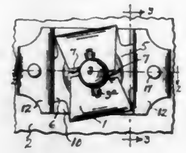
2,456,559

SHIFTABLE ROTARY OPERATIVE FASTENER

Frank E. Johnson, Malden, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application October 12, 1944, Serial No. 558,418
4 Claims. (Cl. 24—221)

4. Attaching means for shiftably attaching a female fastener of the rotary operative type to an apertured support comprising a plate having a relatively flat centrally apertured body providing a slidable bearing surface for said fastener member, opposed extensions for connecting said plate to a support, and a retainer formed on and as an overlying continuation of each of said extensions adapted to overlie a part of a fastener member, lateral spacing means disposed between said retainers and said plate and providing a side-



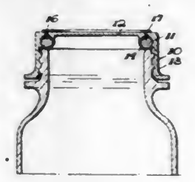
limiting means for limiting lateral shifting of a fastener member on the plate, and said opposed extensions and said retainers having cooperating apertures for receiving fastening means for securing said retainer against outward displacement from said extension.

2,456,560

RECEPTACLE CLOSURE MEANS

Glenn Keith, East Detroit, Mich., assignor of one-fourth to Milton M. Weinstein, one-tenth to Elias Goldberg, one-tenth to Harry Weinstein, one-tenth to Barnett B. Covent, and one-tenth to William Mintz, all of Detroit, Mich.

Application February 14, 1944, Serial No. 522,355
4 Claims. (Cl. 215—43)



1. A sealing member for the orifice of a container vessel of the class consisting of bottles and jars, said member comprising a cap having a closed chamber of annular shape defined by a wall which is integral with the cap and is formed of distensible material, and a liquid fill in the chamber, said cap being adapted to be pressed onto the vessel so as to engage said wall with a seat formed on the vessel and distend the wall into sealing engagement with said seat.

2,456,561

AZEOTROPIC SEPARATION OF XYLENE ISOMERS

George R. Lake, Long Beach, and Josephine M. McDowell, Wilmington, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application March 27, 1943 Serial No. 480,854
9 Claims. (Cl. 202—42)

1. A process for the treatment of a xylene fraction containing non-aromatic hydrocarbons boiling in the same temperature range as said xylene fraction to separate therefrom the non-aromatic hydrocarbons, a fraction consisting of meta- and para-xylene and a fraction consisting of ortho-xylene which comprises distilling said xylene fraction in the presence of a sufficient amount of a compound having a boiling point within about

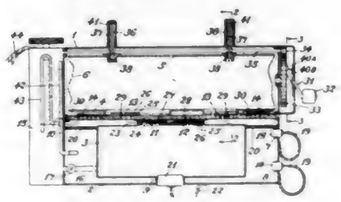
10° F. to 15° F. above to about 30° F. to 40° F. below the average boiling point of said xylene fraction and selected from the class of compounds consisting of mono-glycols, ethers of mono-glycols and esters of ethers of mono-glycols to vaporize the non-aromatic hydrocarbons together with said compound thereby leaving the xylenes substantially completely separated from the non-aromatic hydrocarbons in the residue and subsequently distilling said separated xylenes in the presence of a sufficient amount of said compound to vaporize the meta- and para-xylene together with said compound leaving ortho-xylene substantially completely separated from meta- and para-xylene in the residue.

2,456,562

MANUALLY OPERATED VAPOR COMPRESSION SEA WATER STILL

Duncan D. Lindsay, Scunthorpe, England

Application May 7, 1946, Serial No. 667,777
In Great Britain April 13, 1944
4 Claims. (Cl. 202—205)



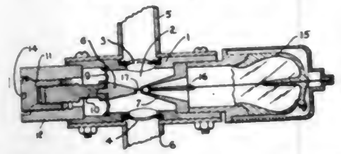
1. Apparatus for producing drinking water from sea water, said apparatus comprising a closed casing, a partition plate in said casing and dividing the latter into an upper and lower part, said lower part constituting an evaporator-vessel adapted to be filled with the sea water, a condenser-vessel mounted within said lower part, concentrically therewith, and spaced from the sides and bottom thereof and from said partition plate, so that the sea water in the evaporator substantially encloses the bottom and sides of the condenser-vessel, fine-mesh wire gauze extending between the evaporator-vessel and the condenser-vessel at the top of the latter and obviating the passage of sea water above same but allowing the passage of vapour, a manually operable double-acting bellows pump arranged in the upper part of said casing, outlet and inlet non-return valves in said partition plate to control the passage of vapour from the evaporator-vessel through the pump to the condenser-vessel, a manually operable evacuating pump mounted on the outside of said casing and connected to the condenser-vessel for initial withdrawal of air from the interior of the casing, and a closable outlet for drinking water in the bottom of the condenser-vessel and extending through the bottom of the evaporator-vessel, the arrangement being such that when the air from the casing has been withdrawn by the evacuation pump, and water-vapour forms above the evaporator-vessel, operation of the bellows-pump causes said vapour to pass from the evaporator-vessel through the pump to the condenser-vessel and to condense therein against a pressure built-up by said pump, the latent heat of condensation passing through the walls of the condenser-vessel to the sea water and heating same to assist vaporisation and being such that the apparatus is compact, portable and manually operable.

2,456,563

ULTRA HIGH FREQUENCY ELECTRONIC TUBE

Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application October 21, 1944, Serial No. 559,727
5 Claims. (Cl. 315—5)



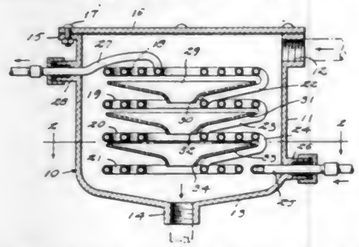
1. An electronic resonator tube comprising an envelope, a gas filling therein, a cavity resonator within said envelope, a pair of frequency adjusting electrodes spaced apart and forming a part of said resonator, means acting on one of said electrodes to move said electrode axially with respect to the other electrode to tune the resonator, an extension on one of said tuning electrodes and spaced radially from the other electrode a predetermined discharge distance and having a surface parallel to the axis of said other electrode, whereby the discharge distance remains constant as the means acting on one of said electrodes moves said electrode axially to tune the resonator.

2,456,564

FLUID HEATER

Otto Muller, Bronx, N. Y.

Application June 7, 1945, Serial No. 597,981
1 Claim. (Cl. 257—229)



In a fluid heater a tank having a lower discharge port and an upper inlet port, a plurality of superposed coils, each of said coils including spiral coplanar convolutions of tubing, a tubular connection between the center of a lower coil and the outer periphery of an upper coil, said coils being spaced inwardly from the walls of said tank, a concave centrally apertured baffle between successive coils, said baffle formed with a downwardly opening discharge spout at the apex thereof engaging within the center of the lower coil, the uppermost and lowermost of said coils being spaced from their respective ends of the tank whereby fluid in said tank may be vertically circulated from the center to the periphery thereof.

2,456,565

STABILIZED VINYL RESIN

Harold F. Park, East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 25, 1947, Serial No. 744,032
7 Claims. (Cl. 260—78.5)

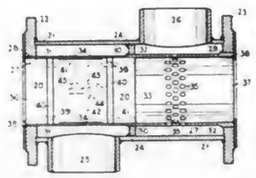
1. A stabilized polymer from the group consisting of polyvinyl chloride and copolymers of vinyl chloride and unsaturated materials copolymerizable therewith having intimately mixed therewith an amount of tri-parachlorophenyl stibine effective to increase the light-stability of said polymer.

2,456,566

REVERSE FLOW BY-PASS VALVE

Norris Plank, East Chicago, Ind., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 18, 1946, Serial No. 710,570
3 Claims. (Cl. 251—118)



1. A reverse flow by-pass valve for pipe lines comprising an inner tubular member open at both ends, an elongated outer housing member radially spaced from the inner tubular member, transverse flange means defining first and second closed chambers between said members, first aperture means through the inner tubular member opening to the first chamber, second aperture means through the inner tubular member opening to the second chamber, first radial port means through the outer member opening to the first chamber, second radial port means through the outer member opening to the second chamber, and a pressure responsive piston member slidably movable within the inner tubular member for selectively closing one of said aperture means, said by-pass valve being connectible at either end into a pipe-line, whereby the reciprocation of said pressure-responsive piston is limited to the axial length of said inner tubular member by the abutment of said valve with said pipe line.

2,456,567

AMINOTRIAZINE PRODUCT

Milton J. Scott, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 1, 1944, Serial No. 552,381
6 Claims. (Cl. 260—67.6)

1. A process which comprises adding a water-soluble compound of a metal selected from the group consisting of aluminum, magnesium, the heavy metals and the metals of group 2A of the periodic system, to the product obtained by reacting at a pH of 8–9.5 ammeline and an aqueous solution of an aldehyde having a solubility in water of at least 3 parts for each 100 parts of water at 20° C., whereby said reaction product of ammeline and said aldehyde is precipitated, the ammeline being reacted with the aldehyde to an extent which is insufficient to cause the ammeline-aldehyde reaction product to precipitate from the aqueous alkaline medium prior to addition of the metal compound and the amount of the metal compound being sufficient to provide a chemical equivalent of the metal for each molecule of ammeline.

2,456,568

TEXTILE TREATING RESINS

Milton J. Scott and Stuart H. Rider, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application November 8, 1946, Serial No. 708,806
8 Claims. (Cl. 260—67.6)

1. A process for preparing stable resins for treating textile fibers and fabrics which comprises reacting a water-soluble, substantially monomeric, monohydric alcohol ether of a methylol melamine with thiourea and formaldehyde at a pH of 8–9, the molar ratio of thiourea to chemically combined melamine varying between 90:10 and 10:90.

2,456,569

MOTOR FUEL

Andrew I. Smith, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application December 18, 1944, Serial No. 568,779
16 Claims. (Cl. 44—57)

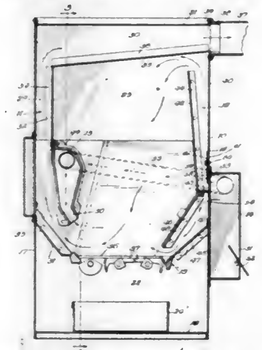
1. A hydrocarbon Diesel fuel consisting essentially of a Diesel fuel normally subject to the formation of gums containing from about 0.01% to about 2.0% of an oil soluble surface active agent selected from the alkyl monoamines and fatty acid amides characterized by molecular weight greater than about 150 and the presence of at least one carbon chain of more than eight carbon atoms for the purpose of preventing the precipitation of said gums.

2,456,570

SMOKELESS HEATER FOR BURNING COAL AND OTHER SOLID FUEL

Warren A. Stuckey and Matthew Gregurich, Joliet, Ill., assignors to The Moore Corporation, Joliet, Ill., a corporation of Illinois

Application October 21, 1946, Serial No. 704,586
4 Claims. (Cl. 126—77)



1. A smokeless solid fuel burning heater comprising an upstanding shell having an ash chamber in its lower portion, a combination fuel and combustion chamber above the ash chamber, and a horizontal grate between the two chambers, means within the shell forming an outlet duct for the products of combustion leading upwards from a point a small distance above the grate and located at one side of the second mentioned chamber, a primary air duct arrangement disposed within the shell in spaced relation with the outlet duct and at the opposite side of the second

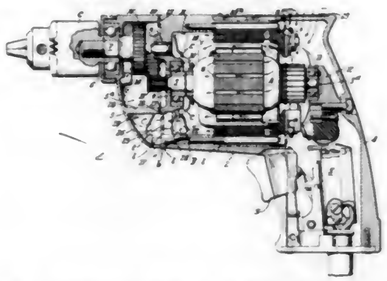
mentioned chamber and embodying an upwardly extending upper branch having the upper end thereof communicating with the upper part of the second mentioned chamber and adapted to deliver primary air thereto, and a separate or independent downwardly extending lower branch having its lower end communicating with the lower part of said second mentioned chamber and facing downwards and inwards in order to deliver primary air in such manner that it flows over the grate towards the lower end of the outlet duct, said primary air duct arrangement being provided between the two branches thereof with an imperforate cross plate whereby said branches are rendered separate and independent of one another, a secondary air conduit disposed in the shell directly above and inwards of the lower end of the outlet duct, provided in the bottom thereof with a downwardly and inwardly facing opening for delivering secondary air downwards and inwards into the lower part of said combination fuel and combustion chamber, and having the interior thereof closed against communication with the last mentioned chamber except for said opening, common means operative to supply outside air in controlled quantity to the two branches of the primary air duct arrangement and to the secondary air conduit and embodying an air distribution box disposed exteriorly of the shell, provided with a damper controlled inlet for outside air and having its interior connected to, and in communication with, said two branches and the ends of said conduit, and valve means adjustable from the outside of the shell and operative to control the amount of air that is delivered from the interior of the air distribution box into one of the branches.

2,456,571

PORTABLE ELECTRIC TOOL

Edgar P. Turner, Fanwood, and Reynold Happe, Pittstown, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application September 13, 1947, Serial No. 773,814
8 Claims. (Cl. 172—36)



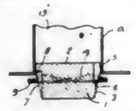
1. A portable electric tool including a motor casing comprising united front and rear sections, said rear section having an air inlet, said front section comprising a substantially cylindrical outer wall and a substantially circular front end wall formed integrally with and segmentally spaced from said outer wall, the forward portion of said outer wall being bevelled forwardly and outwardly adjacent a portion of said end wall to afford an outwardly and forwardly inclined air passageway; a motor mounted in said casing and having a rotory shaft; a gear casing secured to said front section but spaced therefrom in the region adjacent the beveled portion of the outer wall of said motor casing; and a fan on said motor shaft for drawing air into said motor casing through said inlet and through said motor and ejecting it forwardly and outwardly through the space between the motor casing and the gear casing.

2,456,572

HOLDER FOR THERMIONIC VALVES AND OTHER ELECTRICAL DEVICES

George Wagstaff, Long-Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass.

Application February 28, 1945, Serial No. 580,251
In Great Britain March 27, 1944
3 Claims. (Cl. 174—35)



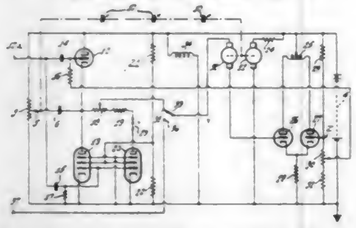
1. A holder for thermionic valves and like electrical devices comprising a body adapted to fit within an aperture in a support, the peripheral wall of said body having two sets of axially spaced abutments, a locking ring disposed around said body on one side of said support having projections engageable with one set of said abutments and a screening member disposed around said body on the other side of said support having elements engageable with the other set of said abutments whereby said locking ring and said screening member cooperate to secure said holder to said support.

2,456,573

ELECTRICAL MOTOR CONTROL SYSTEM

Eric Lawrence Casling-White, Iver, Maurice Geoffrey Harker, Pinner, and John Philip Wynn Houchin, Burnham, England, assignors to Electric and Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application December 21, 1945, Serial No. 636,472
In Great Britain June 10, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 10, 1963
8 Claims. (Cl. 318—18)



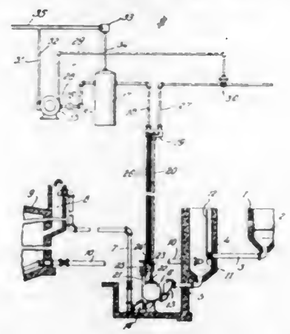
7. A system for stopping a moving element in a predetermined position, said element tending to overshoot the desired position due to its inertia, comprising means for producing an electrical potential representative of the instantaneous position of said element, motor means for normally moving said element at a constant rate, means for deenergizing said motor means in response to said element reaching said predetermined position, means for deriving from said potential an error potential proportional to the extent of movement of said element beyond said predetermined position, and means responsive to said error potential for returning said element to said predetermined position.

2,456,574

PNEUMATIC PUMPING SYSTEM

Charles Yeomans, Hubbard Woods, Ill., assignor to Yeomans Brothers Company, Chicago, Ill., a corporation of Delaware

Application January 19, 1946, Serial No. 642,243
6 Claims. (Cl. 103—234)



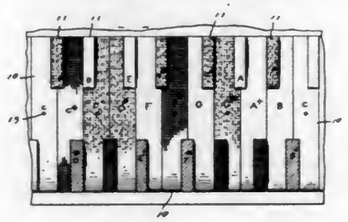
6. In pneumatic ejector apparatus adapted for the pneumatic pumping of sewage screenings and other coarse material, a receiver having inlet and outlet openings of large cross-sectional area, a compressed air storage tank connected to said receiver, means operable, when the material contained in said receiver reaches a predetermined level, to admit compressed air from said tank into said receiver, thereby to effect the discharge of said material through said receiver outlet opening, means including an exhaust valve for venting compressed air from said receiver following each ejection operation, and a control for said exhaust valve which is operable, in response to the pressure in said storage tank, to hold said exhaust valve closed and thereby maintain a positive pressure in said receiver, thus preventing the inflow of material into said receiver through said inlet opening during periods when the pressure in said storage tank is below a predetermined value.

2,456,575

DECATONIC KEYBOARD

Lyman Young, San Francisco, Calif.

Application December 18, 1947, Serial No. 792,405
4 Claims. (Cl. 84—427)



4. A keyboard formed of a plurality of elongated digitals, each of said digitals formed with a rectangular cut-out on one side at one end thereof, and a second rectangular cut-out along the opposite side at the opposite end of said digital, a row of short digitals extending upwardly in said cut-outs along one end of said first digitals and a second row of short digitals extending upwardly from said opening at the other end of said first digitals.

2,456,576

PROCESS OF STABILIZING TREATMENT OF INORGANIC OXIDE GELS AGAINST WETTING

Ernest A. Bodkin, Mickleton, and John W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application October 16, 1945, Serial No. 622,680
8 Claims. (Cl. 252—254)

1. A method of stabilizing a dry inorganic oxide gel against disruption upon wetting with an aqueous liquid, comprising effecting a substantial saturation of the gel under ordinary temperature conditions with a water-soluble, non-aqueous, normally gaseous material which is chemically inert toward said aqueous liquid and maintaining said substantial saturation of the gel until contact thereof with said aqueous liquid.

2,456,577

PROCESS OF STABILIZING INORGANIC OXIDE GELS AGAINST WETTING

Ernest A. Bodkin, Mickleton, and John W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application October 23, 1945, Serial No. 624,096
14 Claims. (Cl. 252—254)

1. A method of stabilizing a dry inorganic oxide gel against disruption upon wetting with an aqueous liquid, comprising effecting a substantial saturation of the gel under ordinary temperature conditions with a water-miscible, substantially water-free organic liquid, in which the gas contained in the pores of said gel is soluble to a greater extent than in water, and maintaining said substantial saturation of the gel until contact thereof with said aqueous liquid.

2,456,578

PROCESS OF STABILIZING INORGANIC OXIDE GELS AGAINST WETTING

Ernest A. Bodkin, Pitman, and John W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application December 18, 1945, Serial No. 635,760
9 Claims. (Cl. 252—254)

1. A method of stabilizing a dry inorganic oxide gel against disruption upon wetting with an aqueous liquid capable of causing said disruption, comprising effecting a substantial saturation of the gel with a water-miscible liquid having a viscosity of at least about 20 centipoises at the temperature of treatment and maintaining said substantial saturation of the gel until contact thereof with said aqueous liquid.

2,456,579

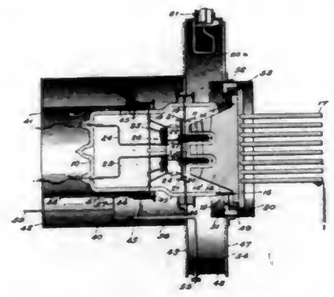
ELECTRON DISCHARGE DEVICE FOR ULTRA HIGH FREQUENCIES

Don G. Burnside, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 30, 1942, Serial No. 463,972
27 Claims. (Cl. 250—27.5)

1. An electron discharge device having an elongated envelope closed at one end by an anode, said anode being sealed to said envelope and extending inwardly of said envelope, the inner end of said anode being of smaller trans-

verse section than the part sealed to said envelope, said anode having a channel extending transversely of the inner end and a cathode and grid supported within said channel, said cathode



being of flat construction and having oppositely disposed emitting surfaces registering with the opposite faces of said channel, the grid being positioned between said cathode and said anode.

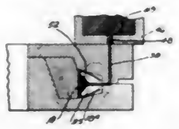
2,456,580

METHOD OF MAKING TRANSMISSION BELTS

Raymond S. Carter, Cuyahoga Falls, and Marvin L. Dorf, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application January 24, 1944, Serial No. 519,448

11 Claims. (Cl. 18—59)



8. The method of molding a belt which comprises forming an endless band comprising fabric with a superimposed layer of substantially inextensible elements, superimposing a body layer of vulcanizable material thereon, heating said band and body layer to vulcanize and unite them while maintaining an outwardly directed force on the band independent of any force exerted on said band by the body layer, to thus tension and align said elements, and reversing the belt thus formed after vulcanization.

2,456,581

PROCESS FOR PREPARING METACRESOL-1,3,4-XYLENOL

Francis E. Cislak and Merritt M. Otto, Indianapolis, Ind., assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application August 20, 1945, Serial No. 611,694

10 Claims. (Cl. 260—619)

4. The process of producing metacresol-1,3,4-xylenol, which consists in mixing 1,3,4-xylenol and a mixture consisting mainly of metacresol and paracresol with the metacresol content being of from 25% upward, and producing in the resulting mixture a sufficiently low temperature to form crystals of metacresol-1,3,4-xylenol.

2,456,582

PROCESS FOR SEPARATION OF ISOMERIC XYLENOLS

Francis E. Cislak and Merritt M. Otto, Indianapolis, Ind., assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application August 20, 1945, Serial No. 611,695

8 Claims. (Cl. 260—619)

1. The process of separating 1,3,4-xylenol from a mixture consisting mainly of 1,3,4-xylenol and 1,4,2-xylenol, with the 1,3,4-xylenol content being at least 55%, which consists in mixing such a mixture with metacresol and producing in the resulting mixture a sufficiently low temperature to form crystals of metacresol-1,3,4-xylenol, separating such crystals, and recovering 1,3,4-xylenol in purified form from the crystals.

2,456,583

METHOD FOR PREPARING LEAD NITROAMINOGUANIDINE

Le Roy V. Clark, New Castle, Pa., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 5, 1944, Serial No. 534,346

4 Claims. (Cl. 260—435)

1. A method of preparing lead nitroaminoguanidine having an apparent density greater than 0.4 gram per cc. which includes the steps of reacting an aqueous suspension of nitroaminoguanadine with an aqueous slurry of lead hydroxide in the presence of a hydrophilic colloid.

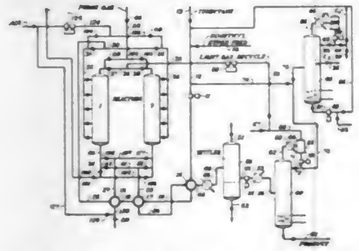
2,456,584

CONVERSION OF DIMETHYL ETHER

Everett Gorin, Woodbury, N. J., and Manuel H. Gorin, San Francisco, Calif., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application November 18, 1946, Serial No. 710,476

8 Claims. (Cl. 260—668)



1. The process for the conversion of dimethyl ether to normally liquid hydrocarbons which comprises the steps of (1) passing a feed stream comprising dimethyl ether and a normally gaseous hydrocarbon diluent containing at least two carbon atoms and not more than four carbon atoms per molecule in contact with a dehydration-polymerization catalyst at a temperature within the range of from about 300° C. to about 475° C. to form a product mixture comprising methane, normally gaseous hydrocarbons containing from 2 to 4 carbon atoms per molecule, normally liquid hydrocarbons, and water, (2) separating methane and water from the product mixture of step 1, (3) fractionating the residual hydrocarbon product from step 2 to obtain a stream consisting substantially of normally liquid hydrocarbons and at least one stream of normally gaseous hydrocarbons containing from 2 to 4 carbon atoms per molecule, (4) recycling the stream of normally gaseous hydrocarbons of step 3 to step 1, and (5) recovering said normally liquid hydrocarbons from step 3 of the process.

2,456,585

PROCESS FOR THE PRODUCTION OF NITROHYDROXY COMPOUNDS

Henry B. Hass, West Lafayette, Ind., and James F. Bourland, Martinsville, N. J., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

No Drawing. Application February 16, 1944, Serial No. 522,626

5 Claims. (Cl. 260—638)

1. In a process for the production of aliphatic nitrohydroxy compounds, the step which comprises adding an aldehyde-inert acidic material having an effective hydrogen-ion dissociation constant in water for the first hydrogen of less than 5×10^{-2} but in excess of 1×10^{-7}, to a solution of a salt of a nitro hydrocarbon having a nitro group and a hydrogen atom attached to a common carbon atom to produce the corresponding aci-nitro hydrocarbon, an aliphatic aldehyde being present in the mixture to react with said aci-nitro hydrocarbon before substantial conversion thereof to the normal form occurs.

2,456,586

2-BUTOXYETHYL FLUOROACETATE

Ingenuin Hechenbleikner, Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 3, 1946, Serial No. 713,818

1 Claim. (Cl. 260—487)

2-butoxyethyl fluoroacetate.

2,456,587

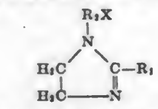
SOLUBLE OIL COMPOSITION

Robert M. Koppenhoefer, Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application September 20, 1946, Serial No. 698,407

6 Claims. (Cl. 252—8.57)

1. An emulsifiable oil composition comprising: a major proportion of at least one oil suitable for fat liquoring, which oil is selected from the group consisting of animal, mineral and vegetable oils; from about 6 to about 12 per cent by weight of a rosin acid; from about 6 to about 10 per cent by weight of a polyoxyalkylene derivative of a fatty acid ester of a hexitol anhydride, said fatty acid having at least six carbon atoms; from about 1 to about 4 per cent by weight of a fatty acid ester of a hexitol anhydride, said fatty acid having at least six carbon atoms; from about 3 to about 6 per cent by weight of a low molecular weight fatty acid of less than five carbon atoms; and from about 10 to about 16 per cent by weight of a compound having the general formula:



where R_1 is selected from the group consisting of alkyl and alkenyl radicals containing from 10 to 18 carbon atoms and R_2 is an alkyl group containing 1 to 5 carbon atoms substituted with a radical selected from the group consisting of hydroxyl and amino radicals.

2,456,588

PROCESS FOR PRODUCTION OF ORGANIC MERCAPTANS

Anthony Loverde, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application May 24, 1945, Serial No. 595,656

1 Claim. (Cl. 260—609)

The process for production of benzyl mercaptan by reaction of benzyl chloride with an alkali metal hydrosulphide in a two phase system, with relatively high yield thereof, which comprises adding the organic chloride gradually, with agitation and refluxing, to a solution consisting of the hydrosulphide dissolved in water, in presence of a small quantity of dichlor ethyl ether, the hydrosulphide being in substantial molecular excess of the final quantity of organic chloride; continuing the refluxing until the reaction is complete; and recovering the organic layer from the inorganic layer.

2,456,589

GRAY VAT DYESTUFFS AND METHOD OF MAKING THE SAME

Lawrence D. Lytle, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 23, 1944, Serial No. 527,857

4 Claims. (Cl. 260—274)

1. A process of preparing a vattable composition capable of dyeing cellulosic fibers greenish-gray shades of excellent light-fastness, good wash-fastness, and extraordinary peroxide-fastness, which comprises chlorinating benzanthrone in sulfuric acid of 85–100% concentration at temperatures between 10° and 50° C. until a sample precipitated by water shows a chlorine content between 11.5 and 13.5%, discontinuing the chlorination and recovering the so chlorinated benzanthrone mixture containing 11.5 to 13.5% combined chlorine thus obtained, condensing the said chlorinated benzanthrone mixture with approximately one molecular equivalent of alpha-amino anthraquinone in nitrobenzene in the presence of an acid-binder and a cupriferous catalyst to produce a mixture of secondary amines and recovering the mixture of secondary amines so produced and subjecting said mixture of secondary amines thus produced to fusion with alcoholic caustic alkali and recovering the vat dyestuff so obtained.

2,456,590

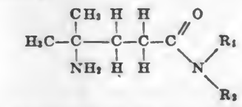
4-AMINO-4-METHYLVALEROALKYLAMIDES AND METHOD FOR PREPARING THEM

Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application December 26, 1947, Serial No. 794,133

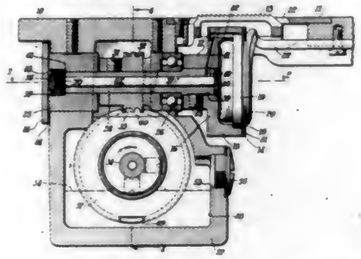
9 Claims. (Cl. 260—561)

1. As new compositions of matter 4-amino-4-methylvaleroalkylamides having the following general formula



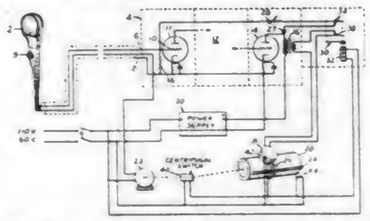
wherein R^1 is a member selected from the group consisting of hydrogen and alkyl radicals, and R^2 is an alkyl radical.

2,456,591
LUBRICATING DEVICE FOR SEWING MACHINES
Frank Parry, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 20, 1945, Serial No. 583,700
8 Claims. (Cl. 112—256)



1. In a sewing machine having a bed-plate, a substantially oil-tight chamber disposed below the level of the bed-plate and providing a lubricant-supply reservoir in the lower portion of said chamber, a rotary actuating shaft having at least a portion thereof extending into said chamber, a horizontally disposed loop-taker shaft provided with a longitudinal lubricant-conducting bore and being disposed above the level of said lubricant-supply with each of the opposite end portions thereof journaled in a respective one of a pair of opposing wall sections of said chamber, said loop-taker shaft being operatively connected to and disposed transversely of said rotary actuating shaft, a loop-taker having a thread-carrier raceway and being mounted upon one end of said loop-taker shaft with said raceway in communication with said shaft bore, a lubricant-conducting wick disposed outside the confines of said loop-taker shaft and above the level of said lubricant-supply, said wick extending to one end of said bore in said loop-taker shaft for delivering lubricant to said bore, and means disposed within said chamber and rendered effective upon rotation of said rotary actuating shaft for delivering lubricant from said lower portion of said chamber to said wick.

2,456,592
COMMERCIAL PHONOGRAPH SIGNAL DEVICE
Lucius P. Petruschell, Mount Dora, Fla., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application October 2, 1946, Serial No. 700,689
12 Claims. (Cl. 179—100.4)



1. In a sound recording machine having an amplifier, a signal arangement for indicating the existence of a predetermined condition of operation of the sound recording apparatus comprising, in combination, are generative feed-back connection from an output circuit to an input circuit of said amplifier to produce an audio-frequency feed-back, switching means in said feed-back connection operative upon the occurrence of said predetermined condition of said apparatus to complete said feed-back circuit, and a translating means connected to the input circuit of said amplifier for producing an audible signal upon completion of said feed-back circuit.

2,456,593
SILVER BRAZING ALLOY CONTAINING INDIUM
Joseph F. Polak, Newark, N. J., assignor to Monroe Sherman, New York, N. Y.
No Drawing. Application March 22, 1945, Serial No. 584,248
3 Claims. (Cl. 75—134)

1. An alloy consisting of, by weight, silver between 35% and 48%, copper between 10% and 15%, zinc between 12% and 17%, cadmium between 12% and 20%, and indium between 9% and 20% with no other metals therein.

2,456,594
BRAZING ALLOY
Joseph F. Polak, Newark, N. J., assignor to Monroe Sherman, New York, N. Y.
No Drawing. Application March 22, 1945, Serial No. 584,249
4 Claims. (Cl. 75—134)

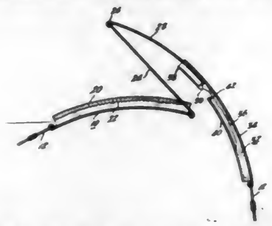
1. An alloy consisting of by weight between 10 and 25 percent of silver, 3 and 10 percent of copper, 25 and 40 percent of zinc, the balance consisting of between 30 and 50 percent of cadmium.

2,456,595
SOLID WATER-REPELLENCY COMPOSITION
Clifford T. Rood, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.
No Drawing. Application December 26, 1946, Serial No. 718,596
8 Claims. (Cl. 106—270)

1. A solid water-repellency composition of matter containing not more than 15% of water by weight and readily dispersable in hot water consisting essentially of paraffin wax, a polyvalent metal salt selected from the group consisting of aluminum formate, aluminum acetate, zirconium acetate, zirconium oxychloride and zirconium ammonium carbonate and a fixed dispersing agent comprising sorbitan monopalmitate and polyoxyalkylene sorbitan monopalmitate in a ratio within the range of from 4:6 to 6:4 by weight.

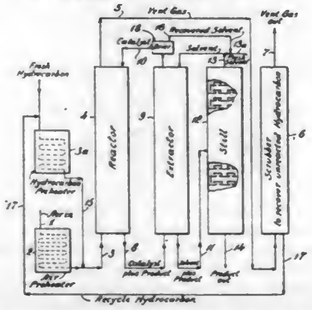
2,456,596
CLASP
Irving Rowen, Bronx, N. Y., assignor to Glen Jewelry Company, Inc., New York, N. Y., a corporation of New York
Application March 16, 1946, Serial No. 654,918
3 Claims. (Cl. 24—71)

1. In a bracelet clasp, a channel member adapted to be attached to one end of a bracelet, said channel member having a transverse wall and vertical side flanges forming a U-shaped cross section and an inturned element on at least one of said flanges spaced from said transverse wall to receive a slide flange therebetween, elements adapted to be nested in said channel member comprising a second member adapted to be connected to the other end of the bracelet, and a pair of links pivotally connected together, one of said links being pivotally connected to one of said members and the other link being slidably connected to the other of said members; said links being receivable in said channel member between said side flanges, and said second member being slidable into said channel member and having a flange at least as long as the sliding distance positioned to slide in the space between said inturned element and said transverse wall for preventing the parts from unfolding, cooperating latching elements on the contacting surfaces of said inturned element and on one of the elements adapted to be nested and which is slid-



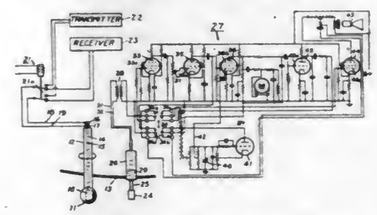
able in said channel member between said inturned element and said transverse wall, engageable upon displacement of said one of said nestable elements toward the open side of said channel to prevent said second member from sliding outwardly and being releasable when said second member is pressed toward nested position in said channel member, one of said latching elements comprising ratchet teeth shaped to permit inward sliding adjustment of said second member.

2,456,597
PRODUCTION OF PHENOL BY CATALYTIC OXIDATION OF BENZENE
Carleton H. Schlesman, Camden, William I. Denton, Woodbury, and Richard B. Bishop, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application September 9, 1944, Serial No. 553,350
10 Claims. (Cl. 260—621)



3. A process for producing phenol by catalytic vapor phase oxidation of benzene, comprising contacting, at an elevated temperature, a mixture of benzene vapor and oxygen-containing oxidizing gas with a moving mass of solid porous adsorbent metal oxide catalyst suitable for promoting the conversion of benzene to phenol, said catalyst mass moving through a reaction zone maintained at a temperature of at least 600° F. at such a rate that phenol produced in said zone is removed therefrom substantially as rapidly as it is formed by adsorption on said moving catalyst mass, bringing the catalyst containing adsorbed phenol in contact with a solvent for phenol, separating the resulting solution from said catalyst and thereafter separating phenol from said solvent to yield a product of phenol substantially uncontaminated by other oxidation products of benzene.

2,456,598
METHOD AND APPARATUS FOR MONITORING UNDERWATER ECHO RANGE AND BEARING SYSTEMS
Oscar Hugo Schuck, Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy
Application August 31, 1944, Serial No. 552,058
4 Claims. (Cl. 177—386)



1. The method of bringing wave energy transmitter and receiver units alternatively connected to a transducer to an optimum frequency for transmitting energy therefrom and receiving energy at said optimum frequency which consists of the steps of measuring at a selected position in space with reference to the transducer the intensity of the wave energy emitted by said transducer, adjusting the transmission frequency of said transmitter unit until said measured energy is a maximum, transmitting energy at said adjusted frequency from an auxiliary source for reception by said transducer and the receiver unit, and tuning said receiver unit until the energy received by it is a maximum.

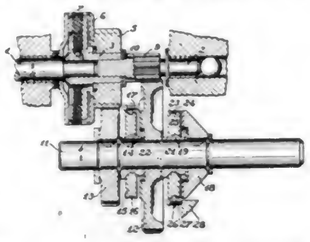
2,456,599
PROCESS FOR PREPARING METHYLAMINES
Everet Foy Smith, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Application July 5, 1945, Serial No. 603,372
1 Claim. (Cl. 260—585)

In the catalytic synthesis of methyl amines, the process which comprises mixing methanol and ammonia in the molecular proportions of about 1 to 2, vaporizing the mixture, passing the vaporized mixture over an alumina catalyst at a temperature within the range of about 425° C. to about 500° C. and under high atmospheric pressures and relatively repressing the formation of trimethyl amine in said process by adding to the reaction mixture, prior to passage over said catalyst, water in amount ranging from about 1 to 2 moles per mole of methanol.

2,456,600
VARIABLE-SPEED TRANSMISSION
Norwood S. Trout, Jr., Elmira, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application February 4, 1947, Serial No. 726,412
8 Claims. (Cl. 74—368)

1. In a variable speed transmission, a drive shaft arranged to be rotated either forward or backward by a source of power, a high speed gear journalled thereon, a high speed clutch for connecting the high speed gear to rotate with the drive shaft, a low speed pinion connected to ro-

tate with the drive shaft, a driven shaft, a high speed pinion fixed thereon meshing with the high speed gear, a low speed gear journalled on the driven shaft meshing with the low speed pinion, a self-tightening clutch between the low speed gear and driven shaft arranged to transmit forward rotation of the low speed gear to the driven



shaft, and means including a reversely acting self-tightening clutch for connecting the low speed gear to rotate the driven shaft when the low speed gear is rotated backward by the drive shaft, both said self-tightening clutches being arranged to overrun freely when the driven shaft is rotating forwardly at high speed by closure of the high speed clutch.

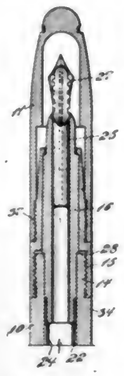
2,456,601
SOLDERLESS CONTACT TERMINAL
Sidney M. Weisberg, Newark, N. J., assignor to Allied Electric Products, Inc., Irvington, N. J., a corporation of New Jersey
Application December 13, 1945, Serial No. 634,704
2 Claims. (Cl. 173—324)



2. A solderless wire connector comprising a terminal member having a wire receiving passage and an annular seat in one end about the end of said wire receiving passage, a wire in engagement with the wall of said passage at one side and a headed pin driven into said passage longitudinally over that portion of the wire disposed therein and in binding engagement with the wall of the passage at the opposite side, the head of said pin being of less diameter than said annular seat to enter said seat when the pin is fully driven into the passage and substantially in engagement with the wall of said seat to pinch and bind any portion of the wire projecting from the end of the passage thereagainst and the engagement of the pin with the side wall of the passage enabling said pin to hold it in binding engagement with the wire as described.

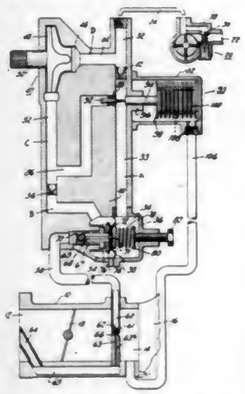
2,456,602
FOUNTAIN PEN
James W. Welsh, Providence, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application January 9, 1946, Serial No. 640,045
7 Claims. (Cl. 120—50)

1. A fountain pen comprising a barrel member having an open top and a threaded external surface, a pen holding member having an external shoulder and a ferrule having a lip to engage said shoulder and internally threaded at one end



to engage said external threads and hold said members assembled.

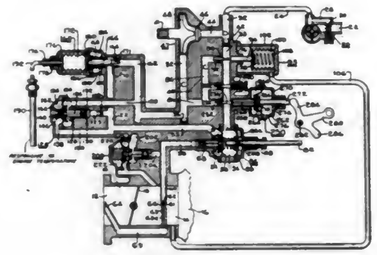
2,456,603
FUEL SUPPLY SYSTEM
Frederik Barfod, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 7, 1945, Serial No. 592,397
40 Claims. (Cl. 123—119)



1. In a fuel system for an internal combustion engine: a source of fuel; a conduit connecting said source of fuel with the engine; a pump for creating a fuel pressure and effecting a flow of fuel through said conduit, the quantity of which will vary directly as the engine speed; means for controlling said flow; and a passage adapted to transmit a variable control pressure developed by said pump to said means for influencing the functioning thereof.

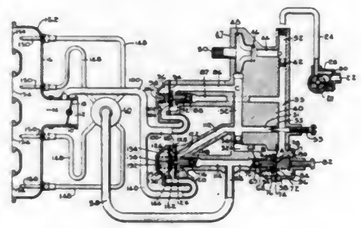
2,456,604
FUEL SUPPLY SYSTEM
Frederik Barfod and Emil O. Wirth, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 27, 1945, Serial No. 607,290
46 Claims. (Cl. 123—119)

14. In a fuel system for an internal combustion engine: a conduit for supplying fuel to the engine; fuel metering means in said conduit; fuel flow control means posterior to the metering means; means, having an inlet and an outlet, for supplying fuel to said metering means at a pressure varying as a function of engine speed; means for creating a pressure intermediate the pressures at said inlet and outlet; means for subjecting the fuel flow control means to the fluid



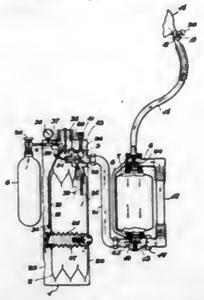
pressure posterior to the metering means, and to the intermediate pressure acting in opposition to said fluid pressure; means for varying the intermediate pressure, said means being responsive to engine charging pressure; and temperature responsive means for modifying the quantity of fuel supplied to the engine in accordance with engine temperature.

2,456,605
FUEL SUPPLY SYSTEM
Emil O. Wirth and Frederik Barfod, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 6, 1945, Serial No. 609,230
19 Claims. (Cl. 123—119)



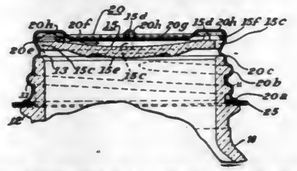
1. A fuel supply system for an internal combustion engine comprising a conduit adapted to connect a source of fuel with the engine; means for creating a fuel pressure in and effecting a flow of fuel through said conduit, the quantity of which will vary directly as the engine speed; means for controlling said flow; means adapted to contain a control pressure developed by the first mentioned means and acting on the second mentioned means for influencing the functioning thereof; and means, including a valve, for varying the control pressure, said means being so constructed and arranged that at engine speeds below a predetermined value the valve is open to provide an economical mixture to the engine, and at speeds above said value said valve is closed to provide for power enrichment.

2,456,606
INERT GAS ELIMINATOR FOR HIGH ALTITUDE OXYGEN APPARATUS
Don Stanley Martin, Jr., Santa Fe, N. Mex., Norman D. Nachtrieb, Chicago, Ill., and Jarvis Edwin Seegmiller, Salt Lake City, Utah, assignors to the United States of America as represented by the Secretary of the Navy
Application August 10, 1944, Serial No. 548,882
7 Claims. (Cl. 128—191)



1. In an oxygen apparatus comprising a flexible breathing bag which expands and contracts with the entrance and exit of gases therefrom; a face mask; means forming passageways by which the wearer breathes from and into said breathing bag; means by which oxygen is supplied to make up for the loss of oxygen in the apparatus; and automatic means operated by said breathing bag in its movements and operable to discharge a portion of the gases from the aparatus to prevent an accumulation of inert gases therein, a pump having inlet valve means communicating with the breathing bag and outlet valve means exhausting to the atmosphere.

2,456,607
LINER LID FOR CONTAINERS
Stewart Shaffer, Muncie, Ind.
Application August 14, 1946, Serial No. 690,509
8 Claims. (Cl. 215—43)



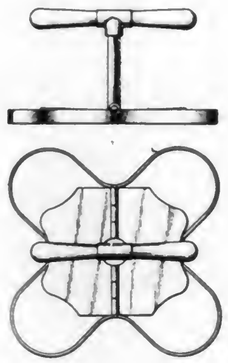
1. A fully sterilizable closure for an open mouth container comprising, a metal cap having a closed-off top wall and a skirt wall integral with said top wall and depending downwardly therefrom, said skirt wall being constructed and arranged to fit over and securely engage an outer wall portion of the container adjacent its mouth, said closed-off top wall having an annular rim thereabout adjacent its outer periphery, said skirt wall having a spacer wall portion adjacent to said top wall, the spacer wall portion having a downwardly-inwardly sloped annulus; a liner of a material such as glass that is substantially inert to contents of the container, said liner being constructed and arranged to be securely mounted within said cap to extend along said closed-off top wall of said cap, said liner having an annular top rim adjacent its outer periphery constructed and arranged to closely abut the annular rim of said top wall of said cap, said liner having a side rim annulus about its outer periph-

ery that is sloped downwardly-inwardly from its annular top rim and is constructed and arranged to be held in close-wedging engagement and abutment with the downwardly-inwardly sloped annulus of the spacer wall portion of said cap; said liner having open-end side grooves spaced about and extending upwardly across the side rim annulus thereof, said liner having open-end top grooves spaced about the annular top rim thereof and extending transversely thereacross, the open-end side grooves of said liner being connected to and in axial alignment with the open-end top grooves of said liner; said liner having a circular groove about the outer periphery and between the annular top rim and the side rim annulus thereof, said circular groove extending across the open-end top and side grooves of said liner and being open thereto, all of the grooves in said liner being substantially fully open and spaced inwardly from inner adjacent portions of said cap when said liner is in a mounted relationship within said cap with its annular top rim and its side rim annulus respectively in abutment with the annular rim and the downwardly-inwardly sloped annulus of said cap, a central portion of said top wall of said cap and a central portion of said liner defining a spacing therebetween when said liner is mounted within said cap; inner ends of the open-end top grooves of said liner being open to the above-mentioned spacing between the central portions of said cap and liner; and all of said grooves being of sufficient size and number to freely flush washing fluid through the spacing between the central portions of said cap and said liner when the closure has been removed from the container.

DESIGNS

DECEMBER 14, 1948

152,053
DESIGN FOR A BOTTLE CARRIER
Albert L. Barnes, Longview, Wash.
Application April 18, 1947, Serial No. 138,474
Term of patent 3½ years
(Cl. D58—4)



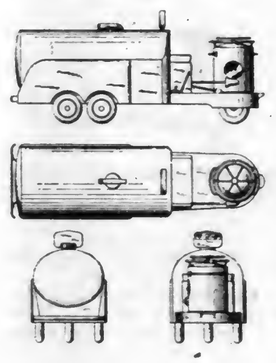
The ornamental design for a bottle carrier, as shown.

152,054
DESIGN FOR A SHOWER HEAD
Ralph E. Bletcher and Ernest H. Bucknell, Los Angeles, Calif., assignors of ten per cent to Ralph E. Bletcher, twelve and one-half per cent to Ernest H. Bucknell, twelve and one-half per cent to Mabel Bucknell, ten per cent to Pearl White Bletcher, twenty-five per cent to Marcia Bucknell Liston, ten per cent to James H. Bletcher, ten per cent to Hazel Bletcher Skinner, ten per cent to Charlotte R. B. Robertson
Application November 26, 1946, Serial No. 135,108
Term of patent 3½ years
(Cl. D91—1)



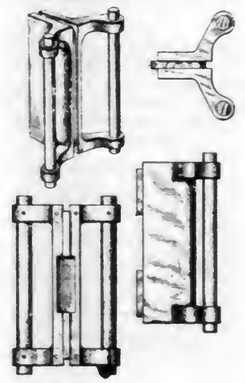
The ornamental design for a shower head, as shown.

152,055
DESIGN FOR A TANK VEHICLE
George A. Brasfield, Berkeley, Calif.
Application May 9, 1947, Serial No. 138,948
Term of patent 7 years
(Cl. D14—3)



The ornamental design for a tank vehicle, substantially as shown.

152,056
DESIGN FOR A DOOR HANDLE
Stephen C. Brull, Chicago, Ill.
Application February 28, 1948, Serial No. 144,829
Term of patent 14 years
(Cl. D10—8)



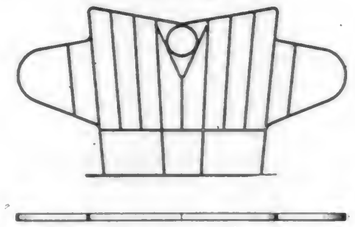
The ornamental design for a door handle, as shown.

152,057
DESIGN FOR A SWEATER
Betty Ann Bryce, Tacoma, Wash., now by decree of marriage Betty Ann Dobiash
Application July 30, 1946, Serial No. 132,100
Term of patent 7 years
(Cl. D3—4)



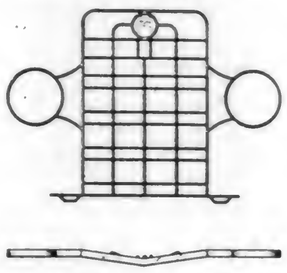
The ornamental design for a sweater, as shown and described.

152,058
DESIGN FOR A GRILLE GUARD FOR MOTOR VEHICLES
Leo Bustin, New York, N. Y.
Application May 7, 1947, Serial No. 138,886
Term of patent 3½ years
(Cl. D14—6)



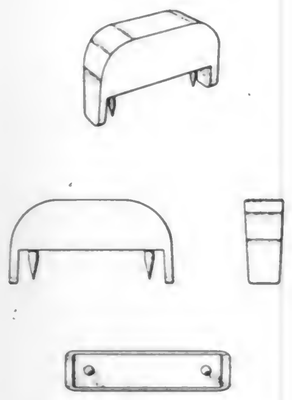
The ornamental design for a grille guard for motor vehicles, as shown.

152,059
DESIGN FOR A GRILLE GUARD FOR MOTOR VEHICLES
Leo Bustin, New York, N. Y.
Application June 28, 1947, Serial No. 139,995
Term of patent 3½ years
(Cl. D14—6)



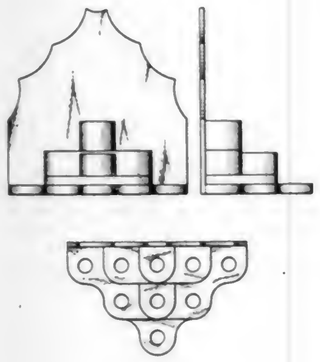
The ornamental design for a grille guard for motor vehicles, as shown.

152,060
DESIGN FOR A CAN PUNCH
Walter A. Campion, South St. Paul, Minn.
Application January 23, 1947, Serial No. 136,316
Term of patent 3½ years
(Cl. D22—2)



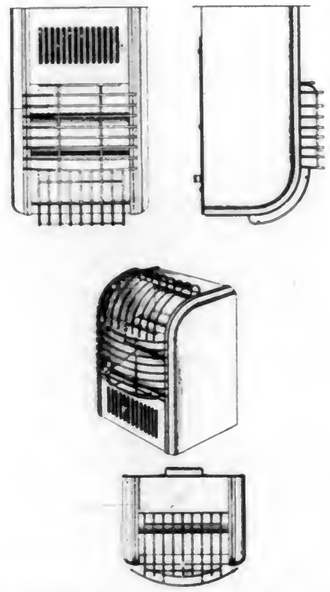
The ornamental design for a can punch, as shown.

152,061
DESIGN FOR A BOTTLE DISPLAY FIXTURE
William I. Carr, Eldon, Mo.
Application October 6, 1947, Serial No. 141,763
Term of patent 3½ years
(Cl. D80—9)



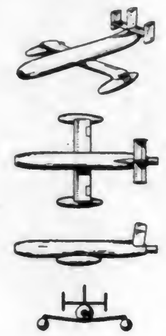
The ornamental design for a bottle display fixture, as shown.

152,062
DESIGN FOR AN ELECTRIC HEATER CASING
William W. Chatfield, Huntington, W. Va., assignor to Armstrong Products Corporation, Huntington, W. Va., a corporation of West Virginia
Application July 1, 1947, Serial No. 140,038
Term of patent 14 years
(Cl. D81—10)



The ornamental design for an electric heater casing, as shown.

152,063
DESIGN FOR AN AIRPLANE
William J. Clark, Bexley, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application March 17, 1947, Serial No. 137,673
Term of patent 14 years
(Cl. D71—1)



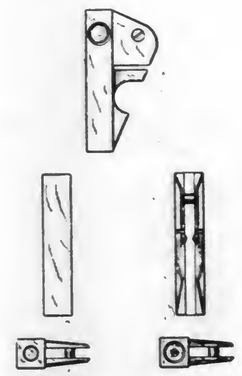
The ornamental design for an airplane, as shown.

152,064
DESIGN FOR A BRASSIÈRE
Joseph A. Coleman, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application October 22, 1947, Serial No. 142,079
Term of patent 14 years
(Cl. D20—4)



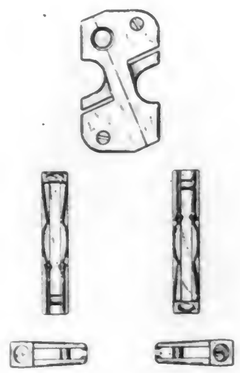
The ornamental design for a brassière, as shown.

152,065
DESIGN FOR A COMBINED TIRE GAUGE AND KEY HOLDER
John C. Crowley, Willoughby, Ohio
Application February 26, 1947, Serial No. 137,183
Term of patent 14 years
(Cl. D52—1)



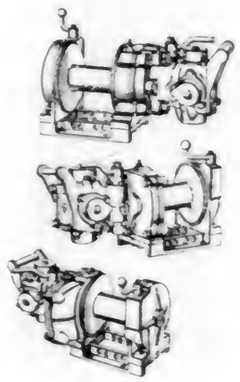
The ornamental design for a combined tire gauge and key holder, as shown and described.

152,066
DESIGN FOR A COMBINED TIRE GAUGE AND KEY HOLDER
John C. Crowley, Willoughby, Ohio
Application February 26, 1947, Serial No. 137,184
Term of patent 14 years
(Cl. D52—1)



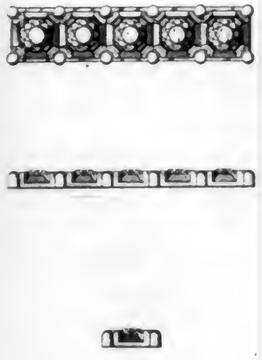
The ornamental design for a combined tire gauge and key holder, as shown and described.

152,067
DESIGN FOR A POWER WINCH
John C. Curtis, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application July 16, 1946, Serial No. 131,635
Term of patent 14 years
(Cl. D41—1)



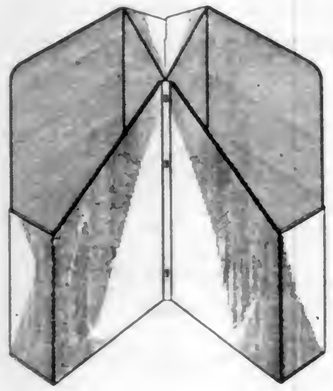
The ornamental design for a power winch, substantially as shown.

152,068
DESIGN FOR A MULTIGEM SETTING OR SIMILAR ARTICLE
Samuel R. Donchi, South Orange, N. J.
Application January 15, 1948, Serial No. 143,808
Term of patent 14 years
(Cl. D45—1)



The ornamental design for a multigem setting or similar article, as shown.

152,069
DESIGN FOR A DISPLAY CARTON
John G. Fettinger, Utica, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application March 26, 1947, Serial No. 137,905
Term of patent 14 years
(Cl. D58—12)



The ornamental design for a display carton, as shown.

152,070
DESIGN FOR A NEGLIGEE
Violet Giovagnoni, New York, N. Y.
Application July 30, 1947, Serial No. 140,602
Term of patent 7 years
(Cl. D3—26)



The ornamental design for a negligee, substantially as shown and described.

152,071
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application July 22, 1948, Serial No. 147,713
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,072
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application July 22, 1948, Serial No. 147,714
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,073
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application August 28, 1948, Serial No. 148,361
Term of patent 3½ years
(Cl. D45—19)



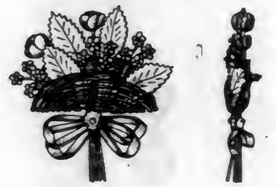
The ornamental design for a brooch or similar article, substantially as shown.

152,074
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application August 28, 1948, Serial No. 148,362
Term of patent 3½ years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

152,075
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application August 28, 1948, Serial No. 148,363
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,076
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application August 28, 1948, Serial No. 148,364
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,077
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application August 28, 1948, Serial No. 148,365
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,078
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application August 31, 1948, Serial No. 148,388
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

152,079
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application September 10, 1948, Serial No. 148,531
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

152,080
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application September 10, 1948, Serial No. 148,533
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,081
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application September 21, 1948, Serial No. 148,681
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

152,082
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application September 21, 1948, Serial No. 148,682
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,083
DESIGN FOR A NECKLACE
William W. Hobé, New York, N. Y.
Application September 21, 1948, Serial No. 148,683
Term of patent 3½ years
(Cl. D45—16)



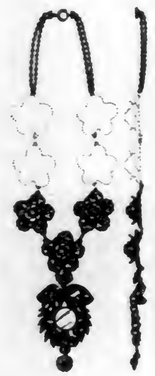
The ornamental design for a necklace, substantially as shown and described.

152,084
DESIGN FOR A NECKLACE
William W. Hobé, New York, N. Y.
Application September 23, 1948, Serial No. 148,727
Term of patent 3½ years
(Cl. D45—16)



The ornamental design for a necklace, substantially as shown as described.

152,085
DESIGN FOR A NECKLACE
William W. Hobé, New York, N. Y.
Application September 23, 1948, Serial No. 148,728
Term of patent 3½ years
(Cl. D45—16)



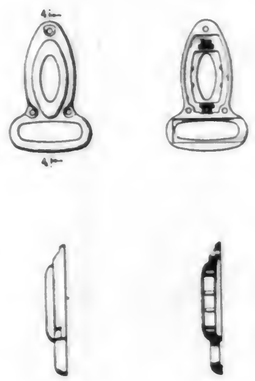
The ornamental design for a necklace, substantially as shown and described.

152,086
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application September 23, 1948, Serial No. 148,729
Term of patent 3½ years
(Cl. D45—16)



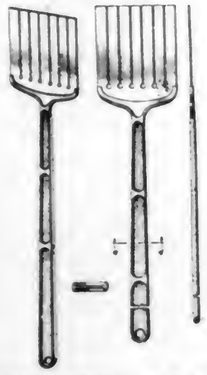
The ornamental design for a necklace or similar article, substantially as shown.

152,087
DESIGN FOR AN ELECTRICAL PUSH BUTTON COVER PLATE
William Huppert, New York, N. Y.
Application October 30, 1946, Serial No. 134,392
Term of patent 14 years
(Cl. D26—1)



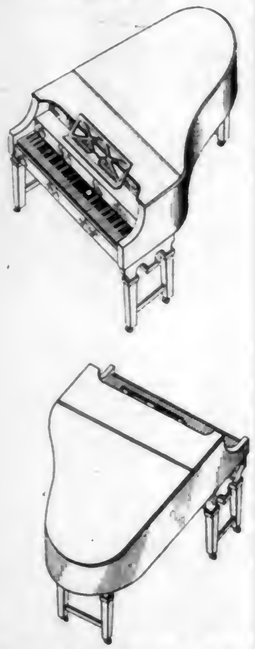
The ornamental design for an electrical push button cover plate, substantially as shown.

152,088
DESIGN FOR A FLY SWATTER
Herbert Jahn, Garfield, and Chester S. Zaremba, Paterson, N. J., assignors to Cascade Plastics Inc., a corporation of New Jersey
Application April 26, 1947, Serial No. 138,620
Term of patent 14 years
(Cl. D31—3)



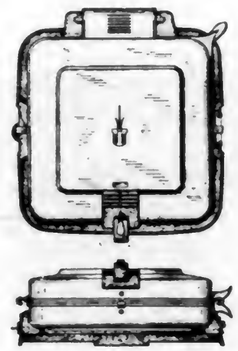
The ornamental design for a fly swatter, as shown.

152,089
DESIGN FOR A GRAND PIANO
Elwood D. Kapphan, Fort Lauderdale, Fla., assignor of one-half to Edwin B. Goldsmith, Pittsburgh, Pa.
Application May 4, 1946, Serial No. 129,309
Term of patent 14 years
Cl. D56—9)



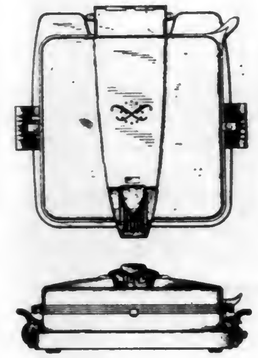
The ornamental design for a grand piano, substantially as shown and described.

152,090
DESIGN FOR AN ELECTRIC COOKING APPLIANCE
Clarence Karstadt, Glen Ellyn, Ill.
Application February 14, 1947, Serial No. 136,914
Term of patent 7 years
(Cl. D81—10)



The ornamental design for an electric cooking appliance, as shown.

152,091
DESIGN FOR AN ELECTRIC COOKING APPLIANCE
Clarence Karstadt, Glen Ellyn, Ill.
Application February 14, 1947, Serial No. 136,915
Term of patent 7 years
(Cl. D81—10)



The ornamental design for an electric cooking appliance, as shown.

152,092
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 24, 1948, Serial No. 147,756
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,093
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1948, Serial No. 147,881
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,094
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 2, 1948, Serial No. 147,882
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,095
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 4, 1948, Serial No. 147,942
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,096
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 6, 1948, Serial No. 147,975
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,097
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 11, 1948, Serial No. 148,056
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,098
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 11, 1948, Serial No. 148,057
Term of patent 7 years
(Cl. D45—9)



Th ornamental design for an earring or similar article, substantially as shown.

152,099
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 11, 1948, Serial No. 148,060
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

152,100
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 12, 1948, Serial No. 148,081
Term of patent 7 years
(Cl. D45—19)



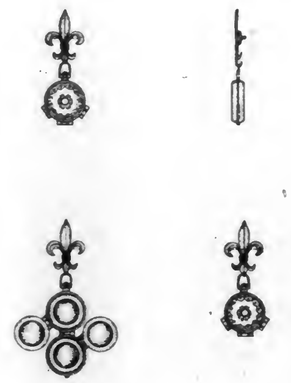
The ornamental design for a brooch or similar article, substantially as shown.

152,101
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 21, 1948, Serial No. 148,240
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

152,102
DESIGN FOR A COMBINED BROOCH AND LOCKET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 2, 1948, Serial No. 148,425
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a combined brooch and locket, substantially as shown.

152,103
DESIGN FOR A COMBINED BROOCH AND LOCKET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 2, 1948, Serial No. 148,426
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a combined brooch and locket, substantially as shown.

152,104
DESIGN FOR A COMBINED BROOCH AND LOCKET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 2, 1948, Serial No. 148,427
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a combined brooch and locket, substantially as shown.

152,105
DESIGN FOR A COMBINED BROOCH AND LOCKET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 2, 1948, Serial No. 148,428
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a combined brooch and locket, substantially as shown.

152,106
DESIGN FOR A COMBINED BROOCH AND LOCKET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 2, 1948, Serial No. 148,429
Term of patent 7 years
(Cl. D45—19)



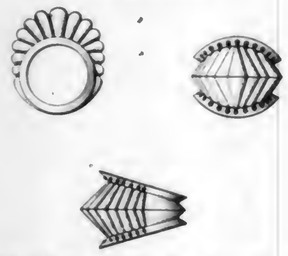
The ornamental design for a combined brooch and locket substantially as shown.

152,107
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 10, 1948, Serial No. 148,529
Term of patent 7 years
(Cl. D45—9)



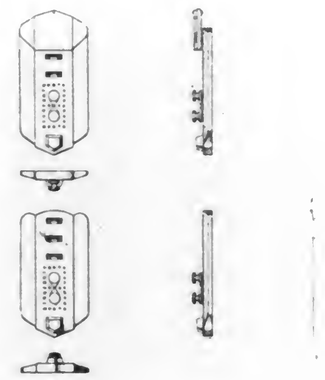
The ornamental design for an earring or similar article, substantially as shown.

152,108
DESIGN FOR A RING OR SIMILAR ARTICLE
Marc Koven, New York, N. Y.
Application May 1, 1947, Serial No. 138,743
Term of patent 3½ years
(Cl. D45—10)



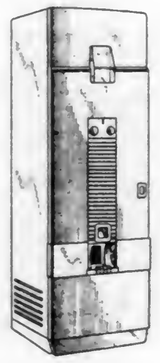
The ornamental design for a ring, or similar article, substantially as shown and described.

152,109
DESIGN FOR A LOCK FOR PORTFOLIOS OR THE LIKE
Samuel H. Lifton, New York, N. Y.
Application January 30, 1948, Serial No. 144,151
Term of patent 14 years
(Cl. D50—7)



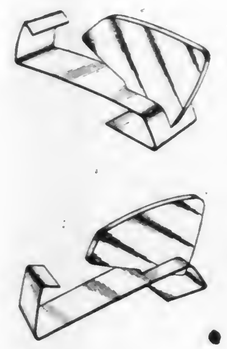
The ornamental design for a lock for portfolios or the like, substantially as shown.

152,110
DESIGN FOR A CABINET FOR BOTTLE VENDING MACHINE
Walter Lockwood Martling, Jr., Chicago, Ill., assignor to Mills Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application November 12, 1946, Serial No. 134,708
Term of patent 14 years
(Cl. D52—3)



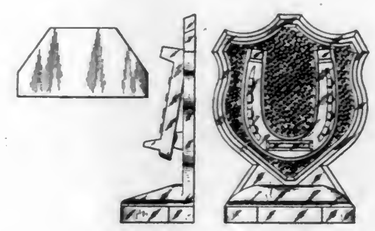
The ornamental design for a cabinet for bottle vending machine, as shown and described.

152,111
DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE
Lockwood Martling, Jr., Chicago, Ill.
Application June 28, 1947, Serial No. 140,004
Term of patent 7 years
(Cl. D80—9)



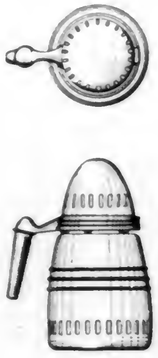
The ornamental design for a display stand or similar article, substantially as shown and described.

152,112
DESIGN FOR A BOOK END
Albert W. McGowen, Boulder, Colo.
Application April 7, 1947, Serial No. 138,212
Term of patent 14 years
(Cl. D33—1)



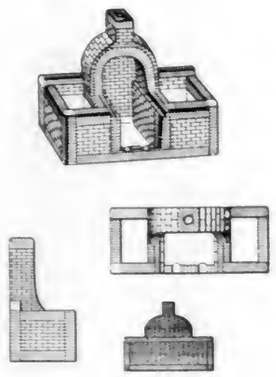
The ornamental design for a book end, as shown.

152,113
DESIGN FOR A REFLECTOR ASSEMBLY FOR A HEAT LAMP
Jacob A. Mehr, St. Louis, Mo.
Application September 13, 1947, Serial No. 141,381
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a reflector assembly for a heat lamp, as shown.

152,114
DESIGN FOR AN ASH TRAY
Joseph Melillo, Great Neck, N. Y., assignor to De Groodt & Associates, Inc., Woodhaven, N. Y.
Application January 6, 1947, Serial No. 135,967
Term of patent 3½ years
(Cl. D85—2)



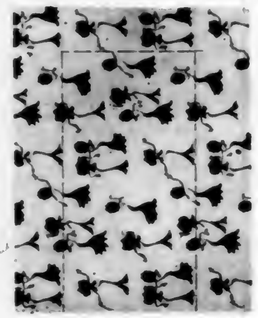
The ornamental design for an ash tray, substantially as shown and described.

152,115
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Minger, Manhattan Beach, Calif., assignor to Mabs, Inc., Los Angeles, Calif., a corporation of California
Application November 6, 1947, Serial No. 142,340
Term of patent 3½ years
(Cl. D92—1)



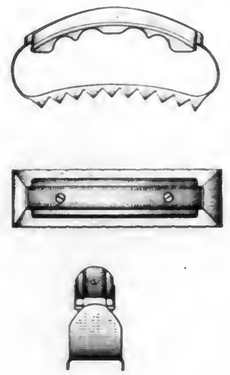
The ornamental design for a textile fabric or similar article, substantially as shown and described.

152,116
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Minger, Manhattan Beach, Calif., assignor to Mabs, Inc., Los Angeles, Calif., a corporation of California
Application November 6, 1947, Serial No. 142,342
Term of patent 3½ years
(Cl. D92—1)



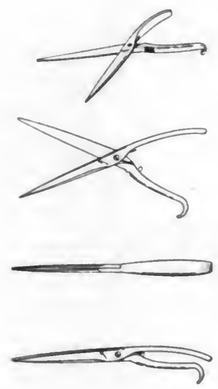
The ornamental design for a textile fabric or similar article, substantially as shown and described.

152,117
DESIGN FOR A MEAT HOLDER
Eugene S. Morfesi, Flushing, N. Y.
Application January 11, 1947, Serial No. 136,107
Term of patent 7 years
(Cl. D44—29)



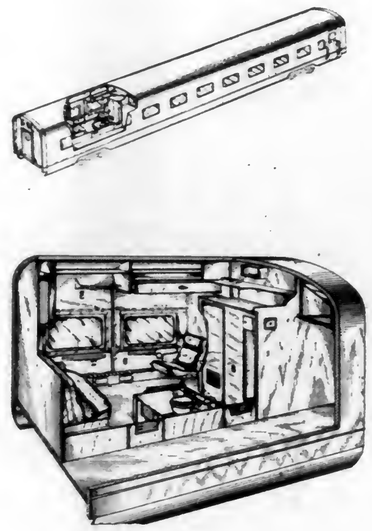
The ornamental design for a meat holder, as shown.

152,118
DESIGN FOR SHEARS
Clarence L. Mortensen, Dallas, Tex.
Application March 28, 1947, Serial No. 137,980
Term of patent 7 years
(Cl. D22—5)

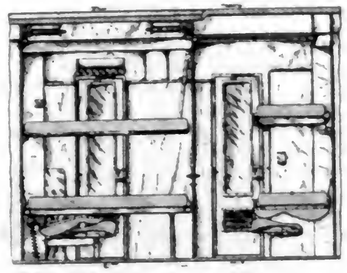


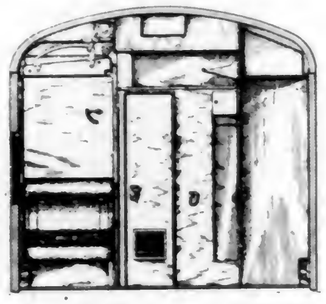
The ornamental design for shears, substantially as shown.

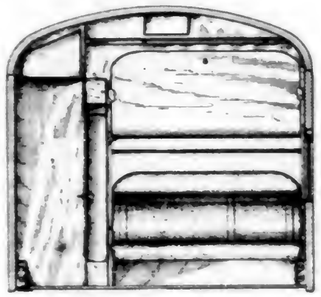
152,119
DESIGN FOR A RAILWAY CAR BODY
Frank L. Murphy and James E. Candlin, Jr., Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 26, 1947, Serial No. 139,290
Term of patent 14 years
(Cl. D66—1)

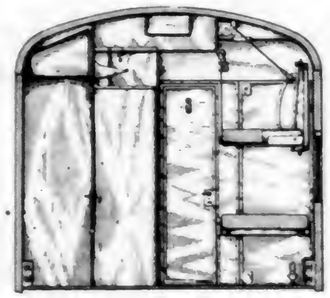


152,119—Continued

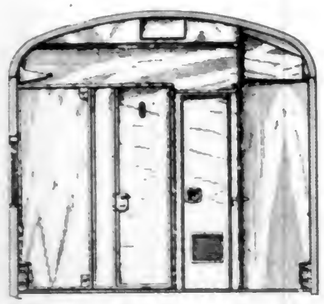






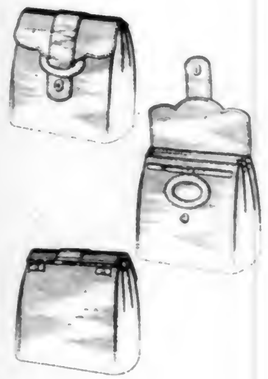


152,119—Continued



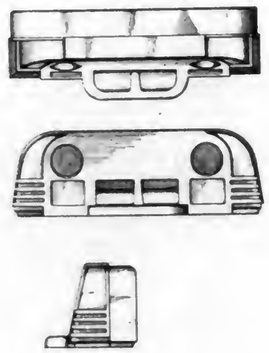
The ornamental design for a railway car body, substantially as shown and described.

152,120
DESIGN FOR A HANDBAG OR THE LIKE
Gerald Murphy, New York, N. Y., assignor to Mark Cross Company, New York, N. Y., a corporation of New York
Application March 26, 1948, Serial No. 145,385
Term of patent 14 years
(Cl. D87—3)



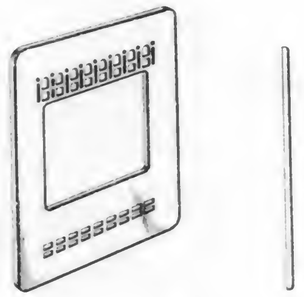
The ornamental design for a handbag or the like, substantially as shown and described.

152,121
DESIGN FOR A COIN HEAD
John W. Nimitz, also known as John W. Nimtz, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application February 6, 1947, Serial No. 136,720
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a coin head, as shown and described.

152,122
DESIGN FOR A FRONT PLATE FOR ELECTRIC ROOM HEATING UNITS
Albert J. D. Ohm, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application January 15, 1947, Serial No. 136,154
Term of patent 7 years
(Cl. D81—10)



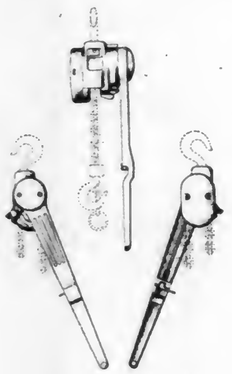
The ornamental design for a front plate for electric room heating units, as shown.

152,123
DESIGN FOR A PULLER HOIST
Humphrey F. Parker, Buffalo, N. Y.
Application November 19, 1946, Serial No. 134,907
Term of patent 14 years
(Cl. D41—1)



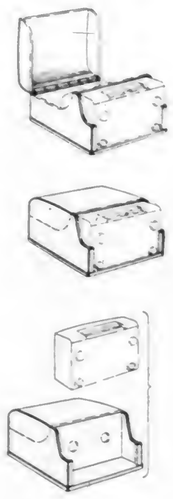
The ornamental design for a puller hoist, as shown and described.

152,124
DESIGN FOR A PULLER HOIST
Humphrey F. Parker, Buffalo, N. Y.
Application January 14, 1947, Serial No. 136,144
Term of patent 14 years
(Cl. D41—1)



The ornamental design for a puller hoist, as shown and described.

152,125
DESIGN FOR A COMBINATION RECORD PLAYER AND RADIO
Clyde A. Peterson, Lewisburg, Pa., assignor to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application August 22, 1946, Serial No. 132,731
Term of patent 7 years
(Cl. D56—4)



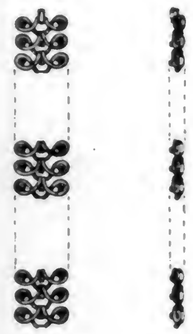
The ornamental design for a combination record player and radio, substantially as shown and described.

152,126
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 26, 1948, Serial No. 144,053
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

152,127
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 26, 1948, Serial No. 144,054
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

152,128
DESIGN FOR A DOLL
Florence B. Salter, New Orleans, La.
Application April 9, 1947, Serial No. 138,257
Term of patent 3½ years
(Cl. D34—4)



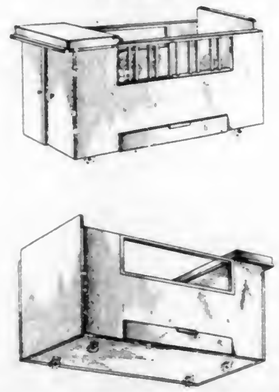
The ornamental design for a doll, as shown.

152,129
DESIGN FOR A CHAIR
James Curtis Sanford, Dallas, Tex.
Application March 3, 1947, Serial No. 137,273
Term of patent 7 years
(Cl. D15—1)



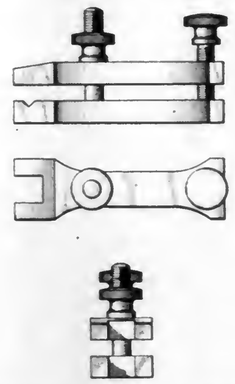
The ornamental design for a chair, substantially as shown.

152,130
DESIGN FOR A COMBINED CRIB AND BUREAU
Johannes Staartjes, Amsterdam, Netherlands, assignor to Bruynzeel's Deurenfabriek N. V., Zaandam, Netherlands
Application January 22, 1946, Serial No. 125,845
In the Netherlands July 19, 1945
Term of patent 14 years
(Cl. D5—5)



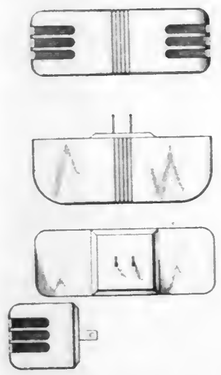
The ornamental design for a combined crib and bureau, as shown.

152,131
DESIGN FOR A PARALLEL VISE AND CLAMP
Dell Wright, Elgin, Ill.
Application March 18, 1946, Serial No. 127,638
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a parallel vise and clamp, as shown.

152,132
DESIGN FOR AN ALARM CABINET
Richard E. Young, Detroit, Mich.
Application May 9, 1947, Serial No. 138,937
Term of patent 7 years
(Cl. D72—1)



The ornamental design for an alarm cabinet, as shown.

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TEACHER—STUDENT—AVERAGE CITIZEN

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Official Gazette

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December 21, 1948

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Reissues	2	No. 23,065 to No.	23,066, inclusive
Patents	500	No. 2,456,608 to No.	2,457,107, inclusive
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Total	897		

Patents expiring: Patent Numbers 1,837,186 to 1,838,078, inclusive, issued December 22, 1931, expire December 22, 1948

Condition of Applications Under Examination at Close of Business Nov. 30, 1948

Total number of patent applications awaiting action, 153,939. Date of oldest new application, November 8, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	6-16-47	5-14-47	2820
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-17-47	10-25-46	2954
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	3-1-48	3-3-48	1277
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	4-1-47	2-26-47	4092
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	6-24-47	1-4-47	1699
6. SURLE, H., Carbon Chemistry (part)	12-19-47	11-12-47	1707
7. HANLIN, GEORGE, Optics; Photographic Apparatus	3-4-48	11-24-47	1655
8. LEWIS, R. O., (Acting), Furniture; Racks and Cabinets	4-10-47	1-17-47	4494
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-10-47	2-24-47	2458
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	3-4-48	2-10-48	1534
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	1-24-48	3-17-48	813
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	11-28-47	10-5-46	2265
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	11-8-46	12-12-46	2430
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	2-9-48	11-25-47	1337
15. HENKIN, B. Plastics; Plastic Block and Earthenware Apparatus; Glass	7-23-47	5-15-47	2049
16. LOVEWELL, N. N., Television; Telephony	3-1-48	8-15-47	1613
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-26-47	10-25-46	2101
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	8-27-47	10-30-46	2090
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-3-47	3-17-47	1883
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	5-6-47	2-10-47	2071
21. MADER, R. C., Textiles	12-19-47	10-22-47	1241
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	1-12-48	3-11-47	1709
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-2-48	12-13-46	1154
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	10-18-47	10-10-47	2810
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	3-4-48	4-9-47	1748
26. YOUNG, R. R., Electricity—Generation and Motive Power	6-25-47	3-7-47	1331
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	7-28-47	1-31-47	3639
28. BRAUNER, R. H., (Acting), Internal-Combustion Engine (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	11-25-47	10-31-47	964
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	4-7-47	3-31-47	3212
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	2-10-48	12-15-47	1131
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-19-48	3-19-48	2086
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	5-8-47	11-5-46	3163
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	3-11-47	12-19-46	3605
34. SAPERSTEIN, S., Electricity—Transmission of Vehicles; Railways; Track Sanders; Signals and Indicators	6-2-47	1-17-47	1383
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	7-9-47	12-11-46	3464
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-47	11-13-46	2014
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	3-5-48	4-24-47	1360
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	9-9-47	7-15-47	1663
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	7-29-47	10-2-46	3058
40. DRUMMOND, E. J., Receptacles (part); Packages	1-21-48	1-28-47	3282
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-27-48	11-15-46	2310
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	4-10-48	3-6-48	1180
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	3-20-48	1-13-48	1234
44. HARVEY, L. P., Refrigeration	12-19-46	9-28-46	1150
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-27-47	11-22-46	2527
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-7-47	12-12-46	1848

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,939. Date of oldest new application, November 8, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	2-3-48	8-23-47	2185
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	3-6-48	6-14-47	1515
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	10-24-47	9-10-47	1560
50. LEVIN, SAMUEL, Synthetic Resins	3-16-48	12-1-47	2166
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	3-1-48	11-1-47	1725
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	10-23-47	1-7-47	3889
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	6-10-47	11-6-46	3591
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	3-1-48	8-18-47	1706
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	11-29-47	11-4-47	1896
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	2-29-48	12-9-47	980
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys.	6-4-47	2-6-47	3562
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	3-18-47	2110
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	10-30-47	5-28-47	2063
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-17-48	10-15-47	1320
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	1-17-47	8-19-46	3831
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	12-24-47	10-26-46	1745
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	3-4-48	9-23-47	1220
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	4-28-48	4-29-48	1500
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	3-1-48	8-21-47	2245
66. LISANN, I., Geometrical Instruments	3-19-47	4-16-46	2028
67. Krafft, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	1-2-48	7-10-47	1953
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	4-12-48	10-15-47	1493
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	8-6-47	2-6-47	2096
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	12-24-46	3-3-47	651
DESIGNS: BREHM, G. L.	4-3-47	3-15-48	7283

Total number of trade-mark applications awaiting action (including renewals and republications), 37,162. Date of oldest new application, Oct. 10, 1947; date of oldest amended application, Mar. 27, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	2-24-48	6-25-48	3149
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	10-27-47	6-23-48	5709
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-10-47	7-1-48	4971
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-28-47	4-9-48	4481
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	11-20-47	5-18-48	3570
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-6-48	9-3-48	3210
7. KEYS, O. M., Classes 16, 19, 55	11-12-47	3-27-48	2232
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	10-22-48 / 12-11-47	10 31-48 / 10-28-48	53 / 9727

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A. G. Company, Haledon, N. J. Narrow fabric beltings. Serial No. 494,205, Dec. 21. Class 40.

Abbott Laboratories, North Chicago, Ill. Concentrations of a chemical compound. Serial No. 556,723, Dec. 21. Class 6.

Abrams, M. L., Company, Cleveland, Ohio. Electrically operated agitating and paper aligning machines. Serial No. 506,720, Dec. 21. Class 21.

Adams, William, & Sons (Potters) Limited, Tunstall, England. Dinner ware, tea ware, breakfast ware, etc. Serial No. 528,394, Dec. 21. Class 30.

Ades-Lexington Dry Goods Co., Lexington, Ky. Shoes and overalls. Serial No. 543,048, Dec. 21. Class 39.

Adler, Albert, Philadelphia, Pa. Jewelry. Serial No. 520,788, Dec. 21. Class 28.

Adler Bros. Lace Corp., New York, N. Y. Shoe laces. Serial No. 525,755, Dec. 21. Class 40.

Advance Silk Co.: *See*—
Philips, Joel M.

Albany Billiard Ball Company, Albany, N. Y. Billiard balls, pocket billiard balls and cue balls. Serial No. 540,237, Dec. 21. Class 22.

Aldon Rug Mills, Inc., Philadelphia, Pa. Textile rugs and carpets. Serial No. 554,069, Dec. 21. Class 42.

Allied Display Materials, Inc., New York, N. Y. Display stands, shelves for the same. Serial No. 517,030, Dec. 21. Class 32.

Allied Mills, Inc., Chicago, Ill. Vitamin and protein supplment, poultry feed, etc. Serial No. 517,174, Dec. 21. Class 46.

American Aviation Associates, Inc., Washington, D. C. Periodical published twice each month. Serial No. 529,848, Dec. 21. Class 38.

American Fork and Hoe Company, The, Cleveland, Ohio. Fishing rods and fishing rod handles. Serial No. 527,837, Dec. 21. Class 22.

American Scientific Laboratories, Inc., Madison, Wis., and Polo, Ill. Medicinal and pharmaceutical preparations. Serial No. 534,502, Dec. 21. Class 6.

American Writing Paper Corporation, Holyoke, Mass. Writing and printing paper. Serial No. 537,393, Dec. 21. Class 37.

Anderson Tool & Die Works, Inc., Providence, R. I. Key chains. Serial No. 518,808, Dec. 21. Class 28.

Arcos Corporation, Philadelphia, Pa. Consumable metal welding electrodes. Serial No. 553,245, Dec. 21. Class 14.

Arcos Corporation, Philadelphia, Pa. Consumable metal welding electrodes. Serial No. 553,251, Dec. 21. Class 14.

Arcos Corporation, Philadelphia, Pa. Consumable metal welding electrodes. Serial No. 553,253, Dec. 21. Class 14.

Arcos Corporation, Philadelphia, Pa. Consumable metal welding electrodes. Serial No. 553,255, Dec. 21. Class 14.

Armour and Company, Chicago, Ill. Animal glandular products. Serial No. 528,404, Dec. 21. Class 6.

Armstrong Cork Co., Lancaster, Pa. Nursing bottles. Serial No. 534,862, Dec. 21. Class 44.

Artex Products, Philadelphia, Pa. Bedroom slippers. Serial No. 546,541, Dec. 21. Class 39.

Atlas Powder Company, Wilmington, Del. Emulsifying, dispersing, solubilizing and wetting agents. Serial No. 543,871, Dec. 21. Class 6.

Atomic Distributors, Inc., Miami, Fla., and Columbus, Ohio. Laxative compound, iron tonic, liniment. Serial No. 553,566, Dec. 21. Class 6.

Atwater, William C., & Co., Inc., New York, N. Y. Coal. Serial No. 538,849, Dec. 21. Class 1.

Aunt Martha, Broomall, Pa. Candy. Serial No. 540,846, Dec. 21. Class 46.

Automatic Manufacturing Corporation, East Newark, N. J. Coil and condenser assemblies. Serial No. 536,482, Dec. 21. Class 21.

Avco Manufacturing Corporation, Cincinnati, Ohio. Radio receivers. Serial No. 528,683, Dec. 21. Class 21.

Baker Paint & Varnish Co., Jersey City, N. J. Putty. Serial No. 536,336, Dec. 21. Class 12.

Bankers & Merchants Stamp Works, Chicago, Ill. Indelible and opaque inks, stencil ink, rubber stamp ink, etc. Serial No. 551,432, Dec. 21. Class 11.

Barber-Colman Company, Rockford, Ill. Electric motors. Serial No. 532,796, Dec. 21. Class 21.

Barber-Colman Company, Rockford, Ill. Doors. Serial No. 530,907, Dec. 21. Class 12.

Barber-Colman Company, Rockford, Ill. Thermostatic and time controlled switching mechanism. Serial No. 530,909, Dec. 21. Class 26.

Barfield Farms, Perrine, Fla. Fresh tomatoes. Serial No. 536,222, Dec. 21. Class 46.

Barrie, Chester, Inc., New York, N. Y. Clothing and accessories. Serial No. 539,256, Dec. 21. Class 39.

Barton, Clay, Whittier, Calif. Fluorescent lighting fixtures. Serial No. 520,922, Dec. 21. Class 21.

Beattie, Agnes M., Porterville, Calif., doing business as D. A. Beattie Association. Fresh citrus fruits. Serial No. 545,073, Dec. 21. Class 46.

Beattie, Agnes M., Porterville, Calif., doing business as D. A. Beattie Association and as Dr. D. A. Beattie. Fresh citrus fruits. Serial No. 545,074, Dec. 21. Class 46.

Beattie, D. A., Association: *See*—
Beattie, Agnes M.

Beattie, Dr. D. A.: *See*—
Beattie, Agnes M.

Becton Dickinson and Company, Rutherford, N. J. Hypodermic syringes, hypodermic needles, rubber bulb syringes, and elastic bandages. Serial No. 538,858, Dec. 21. Class 44.

Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, instalment loan, and instalment credit business. Serial No. 527,267, Dec. 21. Class 55.

Benlo Chemicals, Milwaukee, Wis. Industrial chemicals. Serial No. 530,797, Dec. 21. Class 6.

Berger Brother Co., The, New Haven, Conn. Abdominal belts, orthopedic body braces, etc. Serial No. 530,455, Dec. 21. Class 44.

Bestile Manufacturing Company, Ontario, Calif. Wall covering. Serial No. 543,413, Dec. 21. Class 12.

Blackton-Fifth Avenue, Ltd., New York, N. Y. Corsets, girdles, brassières, etc. Serial No. 540,033, Dec. 21. Class 39.

Blair Milling Company, The, Atchison, Kans. Wheat flour. Serial No. 536,576, Dec. 21. Class 46.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. Serial No. 530,287, Dec. 21. Class 42.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. Serial No. 530,289, Dec. 21. Class 42.

Booth Bottling Company, Inc., Philadelphia, Pa. Non-alcoholic maltless beverages sold as soft drinks and carbonated water. Serial No. 527,330, Dec. 21. Class 45.

Botany Mills, Inc., Passaic, N. J. Woolen piece goods. Serial No. 532,118, Dec. 21. Class 42.

Bowman Dairy Company, Chicago, Ill. Powdered milk product. Serial No. 529,583, Dec. 21. Class 46.

Boyle-Midway Inc., Jersey City, N. J. Plastic preparation composed chiefly of cellulose. Serial No. 541,256, Dec. 21. Class 12.

Brandwein, A., & Company, Chicago, Ill. Mattresses. Serial No. 523,057, Dec. 21. Class 32.

Bristol, Margaret, New York, N. Y. Knitter's utility kit. Serial No. 552,115, Dec. 21. Class 40.

Brown & Bigelow, St. Paul, Minn. Wall calendars. Serial No. 549,707, Dec. 21. Class 38.

Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes. Serial No. 532,272, Dec. 21. Class 39.

Burke, Oscar M., doing business as Tisbury Farm, Vineyard Haven, Mass. Live turkeys and dressed turkeys. Serial No. 541,258, Dec. 21. Class 46.

Buxton, Incorporated, Springfield, Mass. Billfolds, purses, key cases, pocketbooks, and pass cases. Serial No. 534,240, Dec. 21. Class 3.

Buxton, Incorporated, Springfield, Mass. Key cases, purses, billfolds, pocket cases, pocketbooks, and pass cases. Serial No. 534,241, Dec. 21. Class 3.

Cadaco-Ellis, Chicago, Ill. Game. Serial No. 547,230, Dec. 21. Class 22.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 536,582, Dec. 21. Class 6.

Canova Foods, Inc., Memphis, Tenn. Spices, tea, extracts, etc. Serial No. 532,212, Dec. 21. Class 46.

Capital City Products Co., The, Columbus, Ohio. Winterized cottonseed salad and cooking oil. Serial No. 542,815, Dec. 21. Class 46.

Cardinal Stritch College, Milwaukee, Wis. Cabinet faced by an electrical contact board, topped by a light signal, etc. Serial No. 511,200, Dec. 21. Class 26.

Carian, Harry, Coachella, Calif. Fresh grapes. Serial No. 539,131, Dec. 21. Class 46.

Carpinteria Mutual Citrus Association, Carpinteria, Calif. Fresh citrus fruits. Serial No. 538,885, Dec. 21. Class 46.

Carter's Ink Company, The, Cambridge, Mass. Indelible and marking inks and sets. Serial No. 551,523, Dec. 21. Class 11.

Carter's Ink Company, The, Cambridge, Mass. Stamp pads and stamp inks. Serial No. 551,525, Dec. 21. Class 11.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 542,278, Dec. 21. Class 42.

Central Dairy, Inc., Fort Wayne, Ind. Powdered whole milk. Serial No. 512,488, Dec. 21. Class 46.

Century Engineering Corporation, Cedar Rapids, Iowa. Boilers and furnaces and parts thereof. Serial No. 533,430, Dec. 21. Class 34.

Century Engineering Corporation, Cedar Rapids, Iowa. Gas and oil burning furnaces and boilers. Serial No. 533,441, Dec. 21. Class 34.

Charmette Fabrics Company, Inc., New York, N. Y. Piece goods. Serial No. 531,096, Dec. 21. Class 42.

Chickasha Milling Company, Chickasha, Okla. Hard wheat flour. Serial No. 535,484, Dec. 21. Class 46.

Chrisman, E. L., Company, Inc., Los Angeles, Calif. Equipment for dry cleaning and commercial laundry. Serial No. 533,003, Dec. 21. Class 24.

Christman & Faust, Columbus, Ohio. Motorcycle engine exhaust pipes, exhaust pipe baffles, exhaust pipe deflector plates, etc. Serial No. 535,383, Dec. 21. Class 23.

Clorox Chemical Co., Oakland, Calif. Bleaching, cleansing, antiseptic, and germicidal compounds. Serial No. 542,286, Dec. 21. Class 6.

Club Aluminum Products Company, Chicago, Ill. Top-of-stove thermometer. Serial No. 535,392, Dec. 21. Class 26.

Cohoes Envelope Company, Inc., Cohoes, N. Y. Paper merchandise envelopes. Serial Nos. 519,857–8, Dec. 21. Class 2.

Cohoes Envelope Company, Inc., Cohoes, N. Y. Paper merchandise envelopes. Serial No. 519,861, Dec. 21. Class 2.

Columbia Sales Corporation, Pittsburgh, Pa. Pneumatic automobile tires and tubes. Serial No. 540,257, Dec. 21. Class 35.

Compagnie Des Montres Longines, Francillon S. A. (Longines Watch Co. Francillon Ltd.) Clocks, watches and parts thereof. Serial No. 522,591, Dec. 21. Class 27.

Congoleum-Nairn, Inc., Kearny, N. J. Liquid compounds. Serial No. 545,343, Dec. 21. Class 4.

Cramer, Harold W., doing business as Cramer Safe & Office Equipment Co., Kansas City, Mo. Deposit-opening closures. Serial No. 533,545, Dec. 21. Class 25.

Cramer Safe & Office Equipment Co.: *See*—
Cramer, Harold W.

Crane, Ralph H., Eugene, Oreg. Automatic electric water heaters. Serial No. 537,017, Dec. 21. Class 21.

Culligan Zeolite Company, Northbrook, Ill. Manganese treated green sand. Serial No. 515,084, Dec. 21. Class 31.

Culligan Zeolite Company, Northbrook, Ill. Activated carbon. Serial No. 515,086, Dec. 21. Class 31.

Cycloid Corporation, Chicago, Ill. Fishing reels. Serial Nos. 533,276–7, Dec. 21. Class 22.

David's Fifth Avenue Corp., The, New York, N. Y. Pocketbooks, billfolds, and wallets. Serial No. 550,220, Dec. 21. Class 3.

Davidson Manufacturing Corporation, Chicago, Ill. Duplicating machines. Serial No. 532,917, Dec. 21. Class 23.

Dearborn Stove Company, Dallas, Tex. Space heating gas stoves. Serial No. 530,476, Dec. 21. Class 34.

Dimmit County Cooperative, Inc., Asherton, Tex. Fresh tomatoes. Serial No. 545,101, Dec. 21. Class 46.

Du Benay Undergarment, Inc., New York, N. Y. Ladies' and misses' slips and nightgowns. Serial No. 533,824, Dec. 21. Class 39.

Du Benay Undergarment, Inc., New York, N. Y. Ladies' and misses' slips and nightgowns. Serial No. 534,884, Dec. 21. Class 39.

Dun & Bradstreet, Inc., New York, N. Y. Magazine, leaflets, and reports concerning business and trade statistics, etc. Serial No. 551,876, Dec. 21. Class 38.

Du Pont, E. I., de Nemours and Co., Wilmington, Del. Intensifying and fluoroscopic screens. Serial No. 545,968, Dec. 21. Class 44.

Eakle, William C., Mission, Tex., doing business as Grande Valley Citrus Co. Fresh citrus fruits. Serial No. 543,908, Dec. 21. Class 46.

Eastburn & Siegel: *See*—
Siegel, Harry L.

Edison Vegetable Growers, Inc., Edison, Calif. Fresh deciduous fruits, fresh citrus fruits, and fresh vegetables Serial No. 542,017, Dec. 21. Class 46.

Electric Machinery Mfg. Company, Minneapolis, Minn. Electrical machines and apparatus. Serial Nos. 544,556–7, Dec. 21. Class 21.

Elgin American Division: *See*— ——
Illinois Watch Case Co.

Elmore Silver Co., Inc., The, Meriden, Conn. Forks, knives, spoons, etc. Serial No. 542,293, Dec. 21. Class 28.

Elmore Silver Co., Inc., The, Meriden, Conn. Forks, knives, spoons, etc. Serial Nos. 542,295 6, Dec. 21, Class 28.

El Ranchito Citrus Association, Rivera, Calif. Fresh citrus fruits. Serial Nos. 539,298–300, Dec. 21. Class 46.

Esquire, Inc., Chicago, Ill. Playing card cases, portfolios, wallets, and pocket secretaries. Serial No. 501,445, Dec. 21. Class 3.

Evans Case Co., North Attleboro, Mass. Pyrophoric lighters. Serial No. 507,243, Dec. 21. Class 8.

Excel Chemical Company: *See*—
Goldner, Julius.

Faber-Castell, A. W., Pencil Company, Inc., Newark, N. J. Rubber erasers. Serial No. 539,146, Dec. 21. Class 37.

Faber, Coe & Gregg, Inc., New York, N. Y. Smoking tobacco. Serial No. 530,632, Dec. 21. Class 17.

Faber, Coe & Gregg, Inc., New York, N. Y. Cigars. Serial No. 530,633, Dec. 21. Class 17.

Fabrique D'Horlogerie Silvana S. A., Tramelan, Switzerland. Pocket watches, wrist watches, dials, and all parts of watches. Serial No. 537,479, Dec. 21. Class 27.

Federal Business Products, Inc., New York, N. Y. Filing cabinets. Serial No. 525,480, Dec. 21. Class 32.

Forms Incorporated, Los Angeles, Calif. Bust forms. Serial No. 513,971, Dec. 21. Class 40.

Foster Brothers Manufacturing Company, Utica, N. Y. Beds, bed springs, mattresses, and couches. Serial No. 539,510, Dec. 21. Class 32.

Freeman Shoe Corporation, Beloit, Wis. Men's shoes. Serial No. 506,809, Dec. 21. Class 39.

Fuld Bros., Inc., Baltimore, Md. Scrub soap. Serial No. 541,928, Dec. 21. Class, 4.

Garlock Packing Company, The, Palmyra, N. Y. Packings and oil sealing devices. Serial No. 549,436, Dec. 21. Class 35.

General Luminescent Corporation, Chicago, Ill. Glass tubing pre-coated with fluorescent chemicals. Serial No. 503,362, Dec. 21. Class 21.

General Tire & Rubber Company, The, Akron, Ohio. Storage battery chargers. Serial No. 513,562, Dec. 21. Class 21.

Gibbons, Cyril E., Plainfield, N. J. Monthly magazine publication. Serial No. 549,241, Dec. 21. Class 38.

Gibbs, Rufus C., doing business as Gibbs Tool & Stamping Works, Vancouver, British Columbia, Canada. Fishing spoons, fishing rods, fishing reels, etc. Serial No. 548,063, Dec. 21. Class 22.

Gibbs, Ruth, Inc., Flemington, N. J. Dressed dolls. Serial No. 524,702, Dec. 21. Class 22.

Gibbs Tool & Stamping Works: *See*—
Gibbs, Rufus C.

Gibson Art Company, The, Cincinnati, Ohio. Greeting cards. Serial No. 544,075, Dec. 21. Class 38.

Glen-Har Limited, Glasgow, Scotland. Women's coats, suits, and outer skirts. Serial No. 489,396, Dec. 21. Class 39.

Goldner, Julius, doing business as Excel Chemical Company, Brooklyn, N. Y. Hydraulic brake fluid. Serial No. 519,812, Dec. 21. Class 6.

Good Eatin' Dog Food Co.: *See*—
Rosenberg, Pearl.

Graber, C. C., Co., Ontario, Calif. Canned olives. Serial No. 523,522, Dec. 21. Class 46.

Grand Valley Citrus Co.: *See*—
Eakle, William C.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Bread. Serial No. 542,560, Dec. 21. Class 46.

Griscom Russell Company, The, New York, N. Y. Pipes and tubing. Serial No. 503,340, Dec. 21. Class 34.

Grover Photo Products, Los Angeles, Calif. Photographic safe lights. Serial No. 511,211, Dec. 21. Class 26.

Guerlain Perfumery Corporation, The, New York, N. Y. Face powder. Serial No. 538,539, Dec. 21. Class 6.

Guerlain Perfumery Corporation, The, New York, N. Y. Dentifrices and mouth washes. Serial No. 538,540, Dec. 21. Class 6.

Guilford Hosiery Mills, Inc., High Point, N. C. Hosiery. Serial No. 539,154, Dec. 21. Class 39.

I. D. Watch Case Co. Inc., Jamaica, N. Y. Watch cases. Serial No. 542,134, Dec. 21. Class 27.

Illinois Electric Porcelain Company, Macomb, Ill. Electric insulators. Serial No. 532,934, Dec. 21. Class 21.

Illinois Watch Case Co., doing business as Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Cold cream jars, eye brow pencil holders, jewel boxes, etc. Serial No. 481,842, Dec. 21. Class 2.

Independent Lock Company, Fitchburg, Mass. Builder's hardware and parts thereof. Serial No. 503,374, Dec. 21. Class 13.

Indianapolis Plywood Company, Indianapolis, Ind. Plywood. Serial No. 544,349, Dec. 21. Class 12.

Haas Brothers, San Francisco, Calif. Whiskey. Serial No. 519,270, Dec. 21. Class 49.

Haefeli, Max, Basel, Switzerland. Dentifrices, denture powders, dental plate securing preparations, etc. Serial No. 516,835, Dec. 21. Class 6.

Hall, Clarence C., Lakewood, Ohio. Hollow building blocks. Serial No. 530,733, Dec. 21. Class 12.

Hall, George L., doing business as Jenny Equipment Service, Atlanta, Ga. Radiator flushing guns and a degreaser. Serial No. 498,894, Dec. 21. Class 23.

Hamilton Watch Company, Lancaster, Pa. Men's and women's pocket watches and wrist watches. Serial No. 502,134, Dec. 21. Class 27.

Hampden Color & Chemical Company, Springfield, Mass. Waterproofing compounds. Serial No. 533,562, Dec. 21. Class 12.

Harford Frocks, Inc., Cincinnati, Ohio. Women's, misses', and junior misses' dresses, suits, coats, etc. Serial No. 552,769, Dec. 21. Class 39.

Haroldson, Vern, Sales Co.: *See*—
Haroldson, Vernon E.

Haroldson, Vernon E., doing business as Vern Haroldson Sales Co., Seattle, Wash. Upholstered furniture, frames, and stools, etc. Serial No. 509,985, Dec. 21. Class 32.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon page and/or strip. Serial No. 513,414, Dec. 21. Class 38.

Hearst Magazines Inc., New York, N. Y. Regular magazine section. Serial No. 552,919, Dec. 21. Class 38.

Hercules Powder Company, Wilmington, Del. Periodical. Serial No. 549,731, Dec. 21. Class 38.

Hero Mfg. Co., Inc., Middleboro, Mass. Hairpin looms. Serial No. 551,010, Dec. 21. Class 40.

Hess, Frank X., doing business as Hess Hair Milk Laboratories, St. Paul, Minn. Preparation for use as a hair tonic and dandruff remover and to impart color to gray or faded hair. Serial No. 530,401, Dec. 21. Class 6.

Hess Hair Milk Laboratories: *See*—
Hess, Frank X.

Jacobs Fur & Co.: *See*—
Jacobs, Morris.

Jacobs, Morris, doing business as Jacobs Fur & Co., New York, N. Y. Fur coats. Serial No. 550,149, Dec. 21. Class 39.

Jenny Equipment Service: *See*—
Hall, George L.

Joanna Western Mills Co., Chicago, Ill. Tag cloth. Serial No. 536,807, Dec. 21. Class 42.

Joanna Western Mills Co., Chicago, Ill. Label cloth. Serial Nos. 536,812–13, Dec. 21. Class 42.

Joanna Western Mills Co., Chicago, Ill. Label cloth. Serial No. 536,815, Dec. 21. Class 42.

Joanna Western Mills Co., Chicago, Ill. Coated and waterproofed cloth. Serial No. 536,818, Dec. 21. Class 42.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes of leather. Serial No. 527,386, Dec. 21. Class 39.

Kandel, Jacob, doing business as Kandel Shoe Co., New York, N. Y. Women's and children's shoes. Serial No. 516,849. Dec. 21. Class 39.

Kandel Shoe Co.: *See*—
Kandel, Jacob.

Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper. Serial No. 550,153, Dec. 21. Class 11.

Kensington Steel Company, Chicago, Ill. Manganese and steel, etc. Serial No. 528,286, Dec. 21. Class 14.

Kent Cosmetics: *See*—
Seaney, H. Kent.

Kenyon, Donald D., doing business as Kondon Manufacturing Company, Minneapolis, Minn. Nasal jelly. Serial No. 539,173, Dec. 21. Class 6.

Kerr Dental Manufacturing Company: *See*—
Kerr Manufacturing Company.

Kerr Manufacturing Company, by change of name from Kerr Dental Manufacturing Company, Detroit, Mich. Machines for removing air from refractory material. Serial No. 500,225, Dec. 21. Class 23.

Kiene Diesel Accessories, Inc., Franklin Park, Ill. Valves and adapter connections. Serial No. 527,939, Dec. 21. Class 13.

Kiger, C. A., Company, Kansas City, Mo. Men's and ladies' finger rings and finger ring mountings. Serial Nos. 526,255–6, Dec. 21. Class 28.

Kinnear Manufacturing Company, The, Columbus, Ohio. Rolling doors and sliding doors. Serial No. 530,407, Dec. 21. Class 12.

Klein, D., Emil, Co., Inc., New York, N. Y. Cigars, cigarettes, and smoking tobacco. Serial No. 529,779, Dec. 21. Class 17.

Kondon Manufacturing Company: *See*—
Kenyon, Donald D.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames. Serial No. 544,170, Dec. 21. Class 26.

Krect Razor Co., The, Portland, Oreg. Safety razors and blades. Serial No. 533,748, Dec. 21. Class 23.

La-Lo Company, The, Kansas City, Mo. Bed jackets. Serial No. 549,158, Dec. 21. Class 39.

Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Pills, toilet creams, perfume, etc. Serial No. 557,284, Dec. 21. Class 6.

Lawrence, George A., New York, N. Y. Face powder and powder bases. Serial No. 550,156, Dec. 21. Class 6.

Little Crow Milling Company, Inc., Warsaw, Ind. Pancake mix and buckwheat pancake mix. Serial No. 492,720, Dec. 21. Class 46.

Lofstrand Company, The, Rockville, Md. Glass washing machines and trays. Serial No. 532,465, Dec. 21. Class 23.

Lynn Umbrella Mfg. Co., Boston, Mass. Umbrellas. Serial No. 492,448, Dec. 21. Class 41.

Magazine Enterprises, Inc., New York, N. Y. Comic magazine. Serial No. 548,382, Dec. 21. Class 38.

Malleable Iron Fittings Company, Branford, Conn. Pipe fittings. Serial No. 534,299, Dec. 21. Class 13.

Marion Power Shovel Company, Marion, Ohio. Power operated excavating and hoisting machines. Serial No. 534,165, Dec. 21. Class 23.

Marquis, A. N., Company, The, Chicago, Ill. Publication in the nature of a directory. Serial No. 545,144, Dec. 21. Class 38.

Marshall Field & Company, Chicago, Ill. Textile rugs. Serial No. 548,750, Dec. 21. Class 42.

Martel Food Corporation, New York, N. Y. Canned tangerine juice. Serial No. 509,018, Dec. 21. Class 46.

Martin, Effie L., doing business as Martin Ranch, Fresno, Calif. Fresh citrus fruits. Serial No. 536,940, Dec. 21. Class 46.

Martin Ranch: *See*—
Martin, Effie L.

Marvel Jewelry Mfg. Company, Providence, R. I. Jewelry. Serial No. 549,556, Dec. 21. Class 28.

McCord Corporation, Detroit, Mich. Gaskets and oil seals. Serial No. 547,745, Dec. 21. Class 35.

McCullough Tool Co., Los Angeles, Calif. Services rendered in connection with oil wells. Serial No. 528,081, Dec. 21. Class 55.

Melchior, Armstrong, Dessau Co. of Delaware, Inc., Ridgefield, N. J. Condensing units, coil-pan combinations, replacement and repair parts for electric domestic and commercial refrigerators, etc. Serial Nos. 524,550–1, Dec. 21. Class 31.

Michigan Fruit Canners, Inc., Benton Harbor, Mich. Canned fruits (except peaches) and canned vegetables, tomato juice. Serial No. 526,271, Dec. 21. Class 46.

Mierson, Augustus, doing business as Mierson Products Company, San Francisco, Calif. Garbage can, waste-paper baskets, waste disposal cans, etc. Serial No. 539,891, Dec. 21. Class 2.

Mierson Products Company: *See*—
Mierson, Augustus.

Morris, Mann & Reilly, Inc., Chicago, Ill. Handbags, wallets, overnight bags, toilet cases, and portfolios. Serial No. 550,428, Dec. 21. Class 3.

Mousley, George E., Inc., New York, N. Y. Toy brick sets. Serial No. 541,015, Dec. 21. Class 22.

Mutual Dealers Wholesale, Inc., St. Paul, Minn. Methyl alcohol anti-freeze, non-freeze liquid, etc. Serial No. 501,921, Dec. 21. Class 6.

National Plastic Products Company, The, Odenton, Md. Laminated plastic faced table tops. Serial No. 513,191, Dec. 21. Class 32.

New Jersey Zinc Company, The, New York, N. Y. Zinc oxide. Serial No. 553,505, Dec. 21. Class 6.

Nye-Wait Company, Inc., Auburn, N. Y. Textile rugs and carpets. Serial No. 553,734, Dec. 21. Class 42.

Oakes & Company, Chicago, Ill. Leather belts, belt lacings, washers, etc. Serial No. 525,394, Dec. 21. Class 35.

Old King Cole, Inc., Canton, Ohio. Formed laminated paper channels used to form a closed box. Serial No. 521,398, Dec. 21. Class 2.

Oregon Produce Company, San Francisco, Calif. Fresh lettuce. Serial No. 535,346, Dec. 21. Class 46.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Trunks and hand luggage. Serial No. 549,962, Dec. 21. Class 3.

Packales, S., & Co., New York, N. Y. Costume jewelry. Serial No. 532,751, Dec. 21. Class 28.

Page Milk Co., The, Merrill, Wis. Spray powdered skim milk. Serial No. 532,486, Dec. 21. Class 46.

Page Milk Co., The, Merrill, Wis. Evaporated milk. Serial No. 532,487, Dec. 21. Class 46.

Pakula and Company, Chicago, Ill. Pearls and jewelry. Serial No. 535,868, Dec. 21. Class 28.

Palmer, Frank D., Inc., Chicago, Ill. Packaging machinery. Serial No. 532,249, Dec. 21. Class 23.

Parker Watch Co., Inc., New York, N. Y. Watchcases, clocks, watches, and parts thereof. Serial No. 541,960, Dec. 21. Class 27.

Passaic Analytical Laboratories, Inc., Passaic, N. J. Electrical apparatus. Serial No. 489,412, Dec. 21. Class 21.

Patio Wood Products, San Gabriel, Calif. Containers. Serial No. 533,606, Dec. 21. Class 2.

Pfeiffer, Frank H., Co., Inc., Worcester, Mass. Slippers. Serial No. 538,659, Dec. 21. Class 39.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic rubber tires. Serial No. 548,403, Dec. 21. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes. Serial No. 556,745, Dec. 21. Class 35.

Philadelphia Chewing Gum Corporation, The, Philadelphia, Pa. Chewing gum. Serial No. 543,322, Dec. 21. Class 46.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial No. 547,398, Dec. 21. Class 6.

Philips, Joel M., doing business as Advance Silk Co., New York, N. Y. Nylon thread. Serial No. 548,014, Dec. 21. Class 43.

Pluto Corporation, French Lick, Ind. Effervescent crystals. Serial No. 553,768, Dec. 21. Class 6.

Pogue, J. E.: *See*—
Pogue, J. E., Packing House.

Pogue, J. E., Packing House, also doing business as J. E. Pogue, Lemon Cove, Calif. Fresh citrus fruits. Serial No. 543,743, Dec. 21. Class 46.

Pogue, J. E., Packing House, Lemon Cove, Calif. Fresh citrus fruits. Serial No. 543,744, Dec. 21. Class 46.

Poloron Products, Inc., New Rochelle, N. Y. Charcoal. Serial No. 499,008, Dec. 21. Class 1.

Pool Manufacturing Company, Sherman, Tex. Work pants, work shirts, and one-piece work suits for men and boys. Serial No. 530,561, Dec. 21. Class 39.

Poole, Foster M., doing business as Poole Manufacturing Engineers, Dallas, Tex. Remote-reading micrometers. Serial No. 531,945, Dec. 21. Class 26.

Poole Manufacturing Engineers: *See*—
Poole, Foster M.

Preclas, A. G., Zurich, Switzerland. Calculating machines. Serial No. 535,619, Dec. 21. Class 26.

Precision Apparatus Co., Inc., Elmhurst, Long Island, N. Y. Vacuum tube testing and battery testing instruments. Serial No. 526,607, Dec. 21. Class 26.

Precision Apparatus Co., Inc., Elmhurst, Long Island, N. Y. Vacuum tube testing and circuit analyzing instruments. Serial No. 526,608, Dec. 21. Class 26.
Prestile Manufacturing Company, Chicago, Ill. Furring and molding strips, channel and divider strips, corner molding strips, etc. Serial No. 528,739, Dec. 21. Class 12.
Prestile Manufacturing Company, Chicago, Ill. Panels of high tensile strength. Serial No. 528,740, Dec. 21. Class 12.
Radio Corporation of America, New York, N. Y. Internal combustion engine-driven electrical generators. Serial No. 546,126, Dec. 21. Class 21.
Rank, Richard L., doing business as the Surex Mfg. Co., St. Louis, Mo. Sanitary belts and clasps. Serial No. 550,949, Dec. 21. Class 44.
Reed & Carnrick, Jersey City, N. J. Preparation for the treatment of pathologic conditions of the liver. Serial No. 547,281, Dec. 21. Class 6.
Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Wines. Serial No. 539,349, Dec. 21. Class 47.
Robinson, M. W., Co. Inc., New York, N. Y. Mechanics' tools. Serial No. 533,780, Dec. 21. Class 23.
Roebling's, John A., Sons, Company, Trenton, N. J. Electrical wire and cable. Serial No. 546,610, Dec. 21. Class 21.
Roebling's, John A., Sons, Company, Trenton, N. J. Electrical wire and cable. Serial No. 546,612, Dec. 21. Class 21.
Roebling's, John A., Sons, Company, Trenton, N. J. Electrical wire and cable. Serial No. 546,615, Dec. 21. Class 21.
Rosenberg, Myer, Chicago, Ill. Desk article comprising a rule and calendar. Serial No. 509,037, Dec. 21. Class 26.
Rosenberg, Pearl, doing business as Good Eatin' Dog Food Co., Philadelphia, Pa. Dog food. Serial Nos. 538,177–8, Dec. 21. Class 46.
Rutland Fire Clay Company, Rutland, Vt. Patching plaster. Serial No. 541,187, Dec. 21. Class 12.
S & M Lamp Co., Incorporated, Los Angeles, Calif. Electrical flood lights. Serial No. 537,736, Dec. 21. Class 21.
St. Regis Paper Company, New York, N. Y. Wire ties. Serial No. 533,638, Dec. 21. Class 7.
Salmanson & Co. Inc., New York, N. Y. Book cases, book shelves, chests for clothing and linens, etc. Serial No. 519,419, Dec. 21. Class 32.
Schenley Laboratories, Inc., New York, N. Y. Flavored medicated tablets. Serial No. 537,941, Dec. 21. Class 6.
Schieren, Chas. A., Company, New York, N. Y. Belting. Serial No. 550,743, Dec. 21. Class 35.
Schneierson, I., & Sons, Inc., New York, N. Y. Princess slips, nightgowns, ladies' uniforms. Serial No. 548,413, Dec. 21. Class 39.
Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. for men, youths and boys. Serial No. 532,641, Dec. 21. Class 39.
Schumacher, P. E., Company, The, Hartville, Ohio. Window screens. Serial No. 540,723, Dec. 21. Class 12.
Scogin, C. A., doing business as Scogin Turbulator Mfg. Co., Kansas City, Mo. Space heaters. Serial No. 532,164, Dec. 21. Class 34.
Scogin Turbulator Mfg. Co.: *See*—
Scogin, C. A.
Seaney, H. Kent, doing business as Kent Cosmetics, Highland Park, Ill. Insect repellants. Serial No. 529,495, Dec. 21. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Pharmaceutical agents. Serial No. 492,000, Dec. 21. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Automobile tires and tubes. Serial No. 544,913, Dec. 21. Class 35.
Sebel, D., & Company Limited, London, England. Occasional chairs and occasional tables. Serial No. 502,235, Dec. 21. Class 32.
Shane, C. B., Corporation, Chicago, Ill. Overcoats and topcoats for men and women. Serial No. 529,711, Dec. 21. Class 39.
Shields Slipper Corporation, Bombay, N. Y. Boots and shoes. Serial No. 517,170, Dec. 21. Class 39.
Shoeld, Mark, Baltimore, Md. Electrical blankets. Serial No. 526,681, Dec. 21. Class 21.
Siegel, Harry L., doing business as Eastburn & Siegel, Atlanta, Ga. Magazine published monthly. Serial No. 531,318, Dec. 21. Class 38.
Sisson Bros.-Welden Company, Inc., Binghamton, N. Y. Women's dresses, coats, evening dresses, etc. Serial No. 541,594, Dec. 21. Class 39.
Smart Maid, Inc., Philadelphia, Pa. Dresses. Serial No. 520,838, Dec. 21. Class 39.
Smith, Anthony, and Company, Elmhurst, N. Y. Healing salve. Serial No. 518,986, Dec. 21. Class 6.
Smith Brothers Manufacturing Company, Carthage, Mo. Overalls. Serial No. 532,651, Dec. 21. Class 39.
Smith & Nichols, Inc., New York, N. Y. Wax candles. Serial No. 537,090, Dec. 21. Class 15.
Société Francaise Dite: "Christian Dior," Paris, France. Make-up capes. Serial No. 538,462, Dec. 21. Class 40.
Southern Oxygen Company, Inc., Bladensburg, Md. Oxygen, hydrogen, acetylene, etc. Serial No. 531,734, Dec. 21. Class 6.
Specialloid Limited, London, England. Pistons, cylinder liners and valves. Serial No. 521,367, Dec. 21. Class 23.
Spencer Thermostat Company, Attleboro, Mass. Thermostatic controls. Serial No. 527,087, Dec. 21. Class 26.
Sprague Electric Company, North Adams, Mass. Electrolytic condensers, electrostatic condensers, electrical filters, etc. Serial No. 534,482, Dec. 21. Class 21.
Sprague Meter Company, The, Bridgeport, Conn. Gas meters and combination gas meters and units. Serial No. 517,019, Dec. 21. Class 26.
Squire Dingee Company, Chicago, Ill. Pickles, mustard, pickle relish, etc. Serial No. 527,898, Dec. 21. Class 46.
Star Fashions of Hollywood, Inc., Los Angeles, Calif. Brassières. Serial No. 546,526, Dec. 21. Class 39.
Star-Maid Dresses, Inc., New York, N. Y. Women's and misses' dresses, coats, jackets, etc. Serial No. 529,420, Dec. 21. Class 39.
Stauffer Chemical Company, San Francisco, Calif. Sulphur. Serial No. 547,787, Dec. 21. Class 6.
Stein Bros. Mfg. Co., Chicago, Ill., assignee of Stein Bros. Mfg. Co. Zipper envelopes, zipper bags, portfolios, traveling bags, etc. Serial No. 510,216, Dec. 21. Class 3.
Stevens, J. P., & Co., Inc., New York, N. Y. Woolen fabrics. Serial No. 534,386, Dec. 21. Class 42.
Stitt Ignition Company, Columbus, Ohio. Automotive and gas engine spark plugs, and parts therefor. Serial No. 518,110, Dec. 21. Class 21.
Strawbridge & Clothier, Philadelphia, Pa. Misses' shoes. Serial No. 535,650, Dec. 21. Class 39.
Surex Mfg. Co.: *See*—
Rank, Richard L.
Sutter, Alfred, Oberhofen-Münchwilen, Canton of Thurgau, Switzerland. Compounds for preparing the slide surface of skis, these being waxes, tallows, varnishes, and paints. Serial No. 536,463, Dec. 21. Class 16.
Syracuse Supply Company, Syracuse, N. Y. Machines for drilling, tapping, and milling metal. Serial No. 511,043, Dec. 21. Class 23.
Taylor, W. A., & Company, New York, N. Y. Rum. Serial No. 510,287, Dec. 21. Class 49.
Teracite Corp., The, Scranton, Pa. Chemically processed board. Serial No. 531,738, Dec. 21. Class 12.
Thompson Manufacturing Co., The, Chicago, Ill. Domestic vacuum cleaners. Serial No. 537,372, Dec. 21. Class 21.
Tikern Corporation, Brooklyn, N. Y. Optical filters. Serial No. 514,572, Dec. 21. Class 26.
Tisbury Farm: *See*—
Burke, Oscar M.
Trendicator Systems Co., Berkeley, assignor to Trendicator Systems Co., San Francisco, Calif. Visual control boards. Serial No. 492,164, Dec. 21. Class 26.
Trifari, Krussman & Fishel, Inc., New York, N. Y. Jewelry. Serial No. 532,381, Dec. 21. Class 28.
Typhoon Air Conditioning Co., Inc., Brooklyn, N. Y. Self contained air conditioning units. Serial No. 528,133, Dec. 21. Class 34.
Union Aluminum Company, Inc., Sheffield, Ala., assignee of Union Aluminum Co. Aluminum window sashes, casements, and window frames. Serial No. 514,737, Dec. 21. Class 12.
United-Carr Fastener Corporation, Cambridge, Mass. Buckles, buttons, clasps, slides, clips, eyelets, etc. Serial No. 497,897, Dec. 21. Class 40.
United States Rubber Company, New York, N. Y. Pneumatic tires. Serial No. 544,227, Dec. 21. Class 35.
Universal Window Co., Berkeley, Calif. Window adjusters. Serial No. 533,085, Dec. 21. Class 13.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 525,162, Dec. 21. Class 6.
Valley Chemicals Co., Germantown, Ohio. Detergent cleaning compound in liquid form. Serial No. 534,398, Dec. 21. Class 4.
Virginia Metal Products Corporation, Orange, Va. Shelving in knock-down form. Serial No. 539,370, Dec. 21. Class 32.
Vogue Optical Mfg. Company, Inc., New York, N. Y. Optical frames. Serial No. 522,791, Dec. 21. Class 26.
Voss Brothers Manufacturing Co., Davenport, Iowa. Clothes washing machines. Serial No. 532,666, Dec. 21. Class 24.
Walker Vitamin Products, Inc., Mount Vernon, N. Y. Medicinal tablets. Serial No. 547,077, Dec. 21. Class 6.
Warren, W., Thread Works, Inc., Westfield, Mass. Spool cotton or sewing thread. Serial No. 553,148, Dec. 21. Class 43.
Warren, W., Thread Works, Inc., Westfield, Mass. Spool cotton. Serial No. 553,150, Dec. 21. Class 43.
Warren, W., Thread Works, Inc., Westfield, Mass. Spool cotton or sewing thread. Serial Nos. 553,151–2, Dec. 21. Class 43.
Warren, W., Thread Works, Inc., Westfield, Mass. Spool cotton. Serial Nos. 553,153–4, Dec. 21. Class 43.
Warren, W., Thread Works, Inc., Westfield, Mass. Spool cotton or sewing thread. Serial No. 553,439, Dec. 21. Class 43.
Weber, Jules, Inc., New York, N. Y. Canned fruits, canned vegetables, canned fish and shellfish, etc. Serial No. 542,417, Dec. 21. Class 46.
Webster, F. S. Company, Cambridge, Mass. Carbon paper. Serial No. 552,197, Dec. 21. Class 11.
Western Newspaper Union, Omaha, Nebr., and Dover, Del. Printing inks. Serial No. 555,715, Dec. 21. Class 11.
Western Tablet & Stationery Corporation, Dayton, Ohio. Blank books. Serial No. 526,051, Dec. 21. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, papeteries. Serial No. 526,055, Dec. 21. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. Serial No. 526,061, Dec. 21. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, and papeteries. Serial No. 526,067, Dec. 21. Class 37.
West Point Mfg. Company, West Point, Ga. Crash, towels and toweling. Serial No. 537,527, Dec. 21. Class 42.
Wheeling Steel Corporation, Wheeling, W. Va. Storage tanks. Serial No. 537,534, Dec. 21. Class 2.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Temperature indicators, temperature recorders, thermostats, etc. Serial No. 525,729, Dec. 21. Class 26.
Williams, James E., Boothwyn, Pa. Greeting cards. Serial No. 551,503, Dec. 21. Class 38.
Wolf, John, Textiles, Inc., New York, N. Y. Cotton goods in the piece and drapery fabrics. Serial No. 559,199, Dec. 21. Class 42.
Worthington Ball Company, The, Elyria, Ohio. Golf balls. Serial No. 527,871, Dec. 21. Class 22.
Wyeth Incorporated, Philadelphia, Pa. Antibiotic. Serial No. 555,719, Dec. 21. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Academy Award Products, Inc., New York, N. Y. Mechanical games. 441,633, Dec. 21; Serial No. 500,349, published Aug. 17, 1948. Class 22.
Adams Candy Company, Dallas, Tex. Candy and candy-type sauce for use on cake, ice cream, and like foods. 505,126, Dec. 21; Serial No. 539,465. Class 46.
Adams-Millis Corporation: *See*—
Pointer Hosiery Co.
Airkem, Inc., New York, N. Y. Diaper odor counteractant. 505,085, Dec. 21; Serial No. 550,641, published Sept. 14, 1948. Class 6.
Aktiebolaget Svensk Rakklinga, Sandviken, Sweden. Safety razors and safety-razor blades. 218,077, Sept. 21, 1926. Republished Dec. 21. Class 23.
Alar, Inc., New York, N. Y. Weekly publication. 505,068, Dec. 21; Serial No. 543,257, published Aug. 17, 1948. Class 38.
Alex Products Co.: *See*—
Smidth, Alex.
Alexander-Balart Company, San Francisco, Calif. Coffee. 251,850, renewed Jan. 15, 1949. O. G. Dec. 21. Class 46.
Alexander, G. W., & Co., Inc., Reading, Pa. Men's and women's fur-felt hats. 268,028, Mar. 4, 1930. Republished Dec. 21. Class 39.
Alexander, G. W., & Co., Inc., Reading, Pa. Men's and women's fur-felt hats. 268,485, Mar. 18, 1930. Republished Dec. 21. Class 39.
Alexander, G. W., & Co., Inc., Reading, Pa. Men's and women's fur-felt hats. 269,016, Mar. 25, 1930. Republished Dec. 21. Class 39.
Alexander, G. W., & Co., Inc., West Reading, Pa. Caps and hats. 327,631, Sept. 3, 1935. Republished Dec. 21. Class 39.
Allied Chemical & Dye Corporation: *See*—
Solvay Process Company, The.
Allstate Engineering Service: *See*—
Koepnick, Edward W.
Altone Chemical Company, Inc., New Orleans, La. Antiseptic mouth wash. 505,097, Dec. 21; Serial No. 552,104, published Sept. 14, 1948. Class 6.
Amalgamated Dental Company, Limited, The, London, England. Chemical preparations for use in conservative dentistry. 441,634, Dec. 21; Serial No. 502,868, published Sept. 14, 1948. Class 44.
Amco Sports Distributors, St. Louis, Mo. Athletic and sporting goods. 504,968, Dec. 21; Serial No. 531,180, published Aug. 17, 1948. Class 22.
American Asphalt Roof Corporation, Kansas City, Mo. Rool and shingle roofing. 441,621, Dec. 21; Serial No 475,037, published June 29, 1948. Class 12.
American-Austrian Magnesite Corporation: *See*
American Refractories Company.
American Brake Shoe Company, New York, N. Y. Welding rods and metal alloys having a ferrous base. 412,810, Mar. 27, 1945. Republished Dec. 21. Class 14.
American Brake Shoe Company, New York, N. Y. Metallic welding materials. 413,237, Apr. 17, 1945. Republished Dec. 21. Class 14.
American Brake Shoe Company, New York, N. Y. Bare and coated metallic welding rods. 414,309, June 5, 1945. Republished Dec. 21. Class 14.
American Chain & Cable Company, Inc.: *See*—
American Chain Company, Inc.
American Chain Company, Inc., New York, N. Y., and Bridgeport, Conn., by American Chain & Cable Company, Inc., Bridgeport, Conn. Base-metal chain, base-metal chains, base-metal loops, etc. 154,861, May 16, 1922. Republished Dec. 21. Class 13.
American Chemical Society, Washington, D. C. Books, pamphlets and periodicals. 504,997, Dec. 21; Serial No. 534,725, published Sept. 7, 1948. Class 38.
American Crossarm & Conduit Company, Chicago, Ill. Wooden cross-arms. 505,031, Dec. 21; Serial No. 539,378, published Aug. 31, 1948. Class 12.
American Gas Machine Company, Albert Lea, Minn. Gasoline burning camp stoves. 504,952, Dec. 21; Serial No. 530,361, published Aug. 24, 1948. Class 34.
American Gas Machine Company, Albert Lea, Minn. Gasoline and kerosene cook stoves. 504,953, Dec. 21; Serial No. 530,362, published Aug. 24, 1948. Class 34.
American Gas Machine Company, Albert Lea, Minn. Gasline cooking stoves. 504,954, Dec. 21; Serial No. 530,364, published Aug. 24, 1948. Class 34.
American Gas Machine Company, Albert Lea, Minn. Gasoline and kerosene lanterns and mantles, generator tubes, etc. 504,955, Dec. 21; Serial No. 530,365, published Aug. 24, 1948. Class 34.
American Institute Publishing Co., Inc.: *See*—
Journal of Accountancy, Incorporated, The.
American Jewelry Chain Company, Providence, R. I. Jewelry chains. 368,782, June 27, 1939. Republished Dec. 21. Class 28.
American Products Company, The, Cincinnati, Ohio. Hand soap, facial soap, etc. 250,755, Dec. 18, 1928. Corrected. O. G. Dec. 21. Class 4.
American Refractories Company, Chicago, Ill., by American-Austrian Magnesite Corporation, Pittsburgh, Pa. Magnesite. 84,158, Nov. 14, 1911. Republished Dec. 21. Class 1.
American School Press Association, Inc., State College, Pa. Periodical publication. 441,662, Dec. 21; Serial No. 522,150, published Aug. 31, 1948. Class 38.
American Type Founders Company, by American Type Founders, Incorporated, Jersey City, N. J. Printing inks. 313,863, June 12, 1934. Republished Dec. 21. Class 11.
American Type Founders, Incorporated, Elizabeth, N. J. Printing presses. 366,777, Apr. 22, 1941. Republished Dec. 21. Class 23.
American Type Founders, Incorporated: *See*—
American Type Founders Company.
American Type Founders, Incorporated, Elizabeth, N. J. Printer's type. 375,091, Feb. 6, 1940. Republished Dec. 21. Class 14.
American Type Founders, Incorporated, Elizabeth, N. J. Printer's type. 377,840, May 14, 1940. Republished Dec. 21. Class 14.
American Type Founders, Incorporated, Elizabeth, N. J. Printer's type. 398,294, Oct. 20, 1942. Republished Dec. 21. Class 14.
American Type Founders Sales Corporation, Jersey City, N. J. Printing presses. 324,342, May 14, 1935. Republished Dec. 21. Class 23.
American Type Founders Sales Corporation, Jersey City, N. J. Type. 325,337, June 18, 1935. Republished Dec. 21. Class 14.
American Type Founders Sales Corporation, Jersey City, N. J. Printing inks. 327,104, Aug. 13, 1935. Republished Dec. 21. Class 11.
American Type Founders Sales Corporation, Elizabeth, N. J. Compounds to be sprayed on sheets after they have been printed. 347,556, June 29, 1937. Republished Dec. 21. Class 6.
American Type Founders Sales Corporation, Elizabeth, N. J. Printing presses and printing industry accessories. 352,387, Nov. 30, 1937. Republished Dec. 21. Class 23.
American Type Founders Sales Corporation, Elizabeth, N. J. Lithographic cameras, portable cameras, and precision cameras. 417,643, Nov. 6, 1945. Republished Dec. 21. Class 26.
American Waltham Watch Company, to Weisfield & Goldberg Inc., Seattle, Wash. Watches and their parts and watch-movement. 33,234, July 18, 1899. New certificate. O. G. Dec. 21. Class 27.
Andrews Nursery Company, Faribault, Minn. Nursery stocks. 504,993, Dec. 21; Serial No. 533,662, Aug. 24, 1948. Class 1.
Angier Corporation, Framingham, Mass. Adhesive-coated, strand-reinforced paper tape. 504,970, Dec. 21; Serial No. 531,286, published Sept. 14, 1948. Class 5.
Arden Farms Co., Los Angeles, Calif. Dairy products. 441,669, Dec. 21; Serial No. 498,266. Class 46.
Arkansas Company, Inc., Newark, N. J. Self emulsifying oil composition. 441,639, Dec. 21; Serial No. 507,291, published Oct. 28, 1947. Class 6.
Arkwright, Incorporated, New York, N. Y. Bias fold tape, shoe laces, garment lacings, etc. 403,146, Sept. 7, 1943. Republished Dec. 21. Class 40.
Armour and Company, Chicago, Ill. Bi-monthly publication. 504,930, Dec. 21; Serial No. 527,498, published Aug. 31, 1948. Class 38.
Armour and Company, Chicago, Ill. Coating composition. 504,933, Dec. 21; Serial No. 527,869, published Sept. 7, 1948. Class 6.

Armsby Preserving Co., to California Packing Corporation, San Francisco, Calif. Canned fruits. 71,250, re-renewed Nov. 10, 1948. O. G. Dec. 21. Class 46.
Aron, M., Corporation, New York, N. Y. Neckties. 433,434, Oct. 14, 1947. Republished Dec. 21. Class 39.
Arpeako, Inc., by Tobin Packing Co., Inc., Rochester, N. Y. Smoked pork products. 251,872, Jan. 15, 1929. Republished Dec. 21. Class 46.
Atkins, Harry, Chicago, Ill. Fur skins. 441,630, Dec. 21; Serial No. 493,423, published Aug. 31, 1948. Class 1.
Atlanta Sales Company: *See*—
Oetjen, Cordes.
Attapulgus Clay Company, Wilmington, Del., and Philadelphia, Pa. Finely divided fuller's earth. 505,032, Dec. 21; Serial No. 539,388, published Aug. 31, 1948. Class 1.
Avco Manufacturing Corporation, Cincinnati, Ohio. Gas ranges. 504,921, Dec. 21; Serial No. 526,655, published Aug. 24, 1948. Class 34.
Baird, William M., Chicago, Ill. Refrigerated locker units. 504,936, Dec. 21; Serial No. 528,246, published Sept. 7, 1948. Class 31.
Ballco Products Co.: *See*—
Eweson, Karl F.
Baltimore Salvage Company, The: *See*—
Blum, Edward L.
Baltimore Salvage Co. Inc., assignee: *See*—
Blum, Edward L.
Barber-Colman Company: *See*—
Uni-Flo Grille Corporation.
Barg & Foster Candy Company, by Sperry Candy Company, Milwaukee, Wis. Confectionery. 181,053, Mar. 11, 1924. Republished Dec. 21. Class 46.
Barg & Foster Candy Company, by Sperry Candy Company, Milwaukee, Wis. Confectionery. 181,062, Mar. 11, 1924. Republished Dec. 21. Class 46.
Barra, Robert R., Burlington, Vt. Liquid preparation applied externally to the body for relief of sprains and muscular soreness. 505,117, Dec. 21; Serial No. 526,566. Class 6.
Basic Refractories, Incorporated, Cleveland, Ohio. Refractory materials for furnace lining and repairing. 505,024, Dec. 21; Serial No. 538,088, published Aug. 3, 1948. Class 12.
Batterton Coffee Company, Inc., Birmingham, Ala. Coffee and tea. 222,236, Dec. 28, 1926. Republished Dec. 21. Class 46.
Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lenses. 254,526, renewed Mar. 26, 1949. O. G. Dec. 21. Class 26.
Beacon Manufacturing Company, to The May Department Stores Company, St. Louis, Mo. Blankets. 440,248, Aug. 17, 1948. New certificate. O. G. Dec. 21. Class 42.
Bear Brand Hosiery Co., Chicago, Ill. Ladies' woolen hosiery. 245,145, Aug. 7, 1928. Republished Dec. 21. Class 39.
Bear Mill Manufacturing Company, Inc., New York, N. Y. Piece goods drills. 226,132, Mar. 29, 1927. Republished Dec. 21. Class 42.
Bear Mill Manufacturing Company, Inc.: *See*—
Bernheimer, Adolph L.
Becker, Napoleon C., Amsterdam, N. Y., by R. Z. Lindsay, assignor to Bernadette B. Makse, Delanson, N. Y. Medicinal plasters. 30,595, Sept. 28, 1897. Republished Dec. 21. Class 44.
Behr, Siegfried, by Ben Hur Products, Inc., New York, N. Y. Articles for dressing and ornamenting the hair. 306,613, Sept. 26, 1933. Republished Dec. 21. Class 40.
Behrens' Fixture Company: *See*—
Behrens, Louis H.
Behrens, Louis H., doing business as Behrens' Fixture Company, Denver, Colo. Refrigerators and refrigerating equipment. 505,116, Dec. 21; Serial No. 523,819. Class 31.
Bell & Gossett Company, Morton Grove, Ill. Submerged water heaters. 226,588, Apr. 12, 1927. Republished Dec. 21. Class 34.
Bel Paese Sales Co. Inc.: *See*—
Galbani, S. A. E.
Soc. An. Egidio Galbani.
Societa Anonima Egidio Galbani.
Bemis Bro. Bag Company, St. Louis, Mo. House-organ magazine. 504,925, Dec. 21; Serial No. 526,846, published Aug. 31, 1948. Class 38.
Ben Hur Products, Inc.: *See*—
Behr, Siegfried.
Benson, Christian L., by Benson Fish Company, Inc., Chicago, Ill. Preserved fish, canned sardines, canned anchovies, etc. 106,396, Oct. 19, 1915. Republished Dec. 21. Class 46.
Benson Fish Company, Inc.: *See*—
Benson, Christian L.
Benson & Hedges, New York, N. Y. Smoking tobacco. 505,056, Dec. 21; Serial No. 541,636, published Aug. 31, 1948. Class 17.
Bernhardt's Clothes, Inc., Wheeling, W. Va. Men's suits, top coats, overcoats, etc. 381,262, Sept. 17, 1940. Republished Dec. 21. Class 39.
Bernheimer, Adolph L., by Bear Mill Manufacturing Company, Inc., New York, N. Y. Woven goods. 30,898, Nov. 23, 1897. Republished Dec. 21. Class 42.
Best Foods, Inc., The, New York, N. Y. Shoe polishes. 504,959, Dec. 21; Serial No. 530,710, published Aug. 31, 1948. Class 4.
Better Drug Products, Inc., Tulsa, Okla. Douche powder. 312,711, May 8, 1934. Republished Dec. 21. Class 6.
Better Drug Products, Inc., Tulsa, Okla. Face and hand lotion. 335,033, May 19, 1936. Republished Dec. 21. Class 6.
Better Drug Products, Inc., Tulsa, Okla. Deodorant. 337,780, Aug. 18, 1936. Republished Dec. 21. Class 6.
Bett-Morr Orchards, Inc., Charles Town, W. Va. Fresh apples. 504,979, Dec. 21; Serial No. 532,798, published Sept. 14, 1948. Class 46.
Bird-Archer Company, The, by The Bird-Archer Company, New York, N. Y. Chemical compounds. 50,995, Apr. 3, 1906. Republished Dec. 21. Class 6.
Black Hills Packing Co.: *See*—
Rapid City Packing Company.
Blaw-Knox Company: *See*—
Buffalo Foundry & Machine Co.
Blish Milling Company, Seymour, Ind. Wheat flour and plain flour. 247,323, renewed Sept. 25, 1948. O. G. Dec. 21. Class 46.
Blum, Edward L., doing business as The Baltimore Salvage Company, assignor to Baltimore Salvage Co. Inc., Baltimore, Md. Asphalt compositions. 441,625, Dec. 21; Serial No. 486,454, published Aug. 17, 1948. Class 12.
Boots Pure Drug Company Limited, Nottingham, England. Pharmaceutical preparations of sulphathiazole compounds. 441,645, Dec. 21; Serial No. 509,691, published Sept. 7, 1948. Class 6.
Boye Manufacturing Company, Hayward, Calif. Sporting goods. 441,667, Dec. 21; Serial No. 525,781, published Aug. 17, 1948. Class 22.
Boyle, John, & Company, Incorporated, New York, N. Y. Cotton duck. 247,316, renewed Sept. 25, 1948. O. G. Dec. 21. Class 42.
Boyle-Midway Inc.: *See*—
Midway Chemical Company.
Bracker, Joe, doing business as Bracker Vegetable Sales Company, Los Angeles and Santa Barbara, Calif. Fresh vegetables. 441,663, Dec. 21; Serial No. 522,664, published Sept. 21, 1948. Class 46.
Bracker Vegetable Sales Company: *See*—
Bracker, Joe.
Bradens California Products, Inc., Cleveland, Ohio. Preserved foods. 358,283, July 5, 1938. Republished Dec. 21. Class 46.
Brazier, John S., doing business as Brazier's Laboratory, Donaldsonville, La. Preparation for the relief of rheumatism, arthritis, and neuralgia. 505,087, Dec. 21; Serial No. 551,513, published Sept. 14, 1948. Class 6.
Brazier's Laboratory: *See*—
Brazier, John S.
Breck, John H., Inc., Springfield, Mass. Shampoo preparations. 353,163, Dec. 28, 1937. Republished Dec. 21. Class 6.
Brezner, N., & Co., Inc., Boston, Mass. Upper leathers. 505,044, Dec. 21; Serial No. 540,375, published Sept. 14, 1948. Class 1.
Brooke, J. H. & J., Limited, London, England. Scotch whisky. 341,075, Dec. 1, 1936. Republished Dec. 21. Class 49.
Brooke, J. H. & J., Limited, London, England. Whisky, rum, gin, etc. 341,076, Dec. 1, 1936. Republished Dec. 21. Class 49.
Brown Instrument Company, The, Philadelphia, Pa. Potentiometers, automatic controlling instruments, etc. 249,730, renewed Nov. 20, 1948. O. G. Dec. 21. Class 26.
Brown, James F., doing business as The Roly Poly Co., Cincinnati, Ohio. Bakery goods. 239,288, Feb. 28, 1928 Amended. O. G. Dec. 21. Class 46.
Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 254,440, renewed Mar. 26, 1949. O. G. Dec. 21. Class 39.
Bubla, Joseph P., New York, N. Y. Dress, negligee, and work shirts; hosiery and underwear. 334,392, May 5, 1936. Republished Dec. 21. Class 39.
Buchanan, James, & Co. Limited, London, England. Whisky. 303,740, June 6, 1933. Republished Dec. 21. Class 49.
Buffalo Dental Manufacturing Company, Buffalo, N. Y. Dental bristle discs. 409,602, Oct. 10, 1944. Republished Dec. 21. Class 44.
Buffalo Foundry & Machine Co., by Blaw-Knox Company, Buffalo, N. Y. Acid concentrators, acid and phenol stills, acid eggs, etc. 185,959, July 1, 1924. Republished Dec. 21. Class 23.
Buffalo Foundry & Machine Co., by Blaw-Knox Company, Buffalo, N. Y. Calandrias, causticizer, concentrators, etc. 192,253, Dec. 2, 1924. Republished Dec. 21. Class 23.
Buffalo Foundry & Machine Co., by Blaw-Knox Company, Buffalo, N. Y. Machines for drying or evaporating liquids. 387,648, May 27, 1941. Republished Dec. 21. Class 23.
Buffalo Foundry & Machine Co., by Blaw-Knox Company, Buffalo, N. Y. Castings. 408,772, Aug. 29, 1944. Republished Dec. 21. Class 14.
Bulldog Electric Products Co., Detroit, Mich. Electrical conduits and conduits systems, and equipment therefor. 322,525, Mar. 12, 1935. Republished Dec. 21. Class 21.

Bulldog Electric Products Company, Detroit, Mich. Splicers, connectors, couplings, etc. 328,981, Oct. 15, 1935. Republished Dec. 21. Class 21.
Bulldog Electric Products Co., Detroit, Mich. Electrical switches and electrical contact sets. 336,817, July 21, 1936. Republished Dec. 21. Class 21.
Bullock Lade & Co. Limited, Glasgow, Scotland. Whisky. 320,177, Dec. 18, 1934. Republished Dec. 21. Class 49.
Bunte Brothers, Chicago, Ill. Moulded chocolate candies. 504,892, Dec. 21; Serial No. 484,664, published Sept. 21, 1948. Class 46.
Burlingham, E. F., & Sons, Forest Grove, Oreg. Grass, field, and vegetable seeds. 504,971, Dec. 21; Serial No. 531,645, published Sept. 7, 1948. Class 1.
Burma-Vita Company, Minneapolis, Minn. Shaving cream. 505,020, Dec. 21; Serial No. 537,411, published Aug. 31, 1948. Class 4.
Burrell-Dugger Company, Indianapolis, Ind. Insecticide or preparation to kill lice. 251,735, renewed Jan. 15, 1949. O. G. Dec. 21. Class 6.
Burrell-Dugger Company, Indianapolis, Ind. Poultry worming compound. 505,095, Dec. 21; Serial No. 551,764, published Sept. 14, 1948. Class 6.
Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 505,004, Dec. 21; Serial No. 535,796, published Sept. 7, 1948. Class 1.
California Cellars: *See*—
Napa & Sonoma Wine Co.
California Fruit Exchange, Sacramento, Calif. Fresh deciduous fruits. 504,903, Dec. 21; Serial No. 511,375, published Sept. 21, 1948. Class 46.
California Marine Curing & Packing Co., Terminal Island, Calif. Canned tuna. 505,009, Dec. 21; Serial No. 536,232, published Sept. 14, 1948. Class 46.
California Packing Corporation: *See*—
Armsby Preserving Co.
California Packing Corporation, San Francisco, Calif., by Pomona Products Co., Griffin, Ga. Canned fruits and canned vegetables. 121,700, May 21, 1918. Republished Dec. 21. Class 46.
Callahan, C., Company, The, Lafayette, Ind. Canned fruits, canned vegetables, canned oysters, etc. 254,763, renewed Apr. 2, 1949. O. G. Dec. 21. Class 46.
Cambridge Tile Mfg. Co., The, Cincinnati, Ohio. Individual sections of tile bearing numbers. 505,025, Dec. 21; Serial No. 538,354, published Aug. 17, 1948. Class 12.
Candy Crafters, Inc., Lansdowne, Pa. Liquid starch. 441,631, Dec. 21; Serial No. 496,196, published June 18, 1946. Class 6.
Cardinet Candy Company, Inc., Oakland, Calif. Candy. 505,070, Dec. 21; Serial No. 544,657, published Sept. 14, 1948. Class 46.
Cargocaire Engineering Corporation, New York, N. Y. Air conditioning apparatus. 441,652, Dec. 21; Serial No. 511,794, published Jan. 6, 1948. Class 34.
Caro-Green Laboratories: *See*—
Varney, Bruce.
Caro-Green, Inc., Kansas City, Mo. Animal and poultry foods. 434,002, Nov. 4, 1947. Republished Dec. 21. Class 46.
Caro-Green Inc.: *See*—
Varney, Bruce.
Carpinteria Mutual Citrus Association, Carpinteria, Calif. Fresh citrus fruits. 260,997, Sept. 3, 1929. Republished Dec. 21. Class 46.
Carpinteria Mutual Citrus Association, Carpinteria, Calif. Fresh citrus fruits. 353,272, Dec. 28, 1937. Republished Dec. 21. Class 46.
Carpinteria Mutual Citrus Association, Carpinteria, Calif. Fresh citrus fruit. 353,396, Jan. 4, 1938. Republished Dec. 21. Class 46.
Carpinteria Mutual Citrus Association, Carpinteria, Calif. Lemons. 355,234, Mar. 8, 1938. Republished Dec. 21. Class 46.
Carrel, Ltd.: *See*—
Walgreen Co.
Cavendish Chemical Corp., to Cavendish Pharmaceutical Corp., New York, N. Y. Tooth pastes. 248,258, renewed Oct. 16, 1948. O. G. Dec. 21. Class 6.
Cavendish Pharmaceutical Corp.: *See*—
Cavendish Chemical Corp.
Centennial Flouring Mills Company, Seattle, Wash. Breakfast cereals. 425,804, Dec. 3, 1946. Republished Dec. 21. Class 46.
Central Popcorn Company, by Central Popcorn Company, Schaller, Iowa. Pop corn in its natural state. 352,245, Nov. 23, 1937. Republished Dec. 21. Class 46.
Chance, A. B., Company, Centralia, Mo. Safety cable suspension cars. 505,027, Dec. 21; Serial No. 538,719, published Aug. 17, 1948. Class 12.
Chancellor Radio Company: *See*—
Kransberg, Max H.
Charles & Co., to Charles & Co., Inc., New York, N. Y. Coffee, chocolate, flour, and other named food products; candles, laundry articles and preparations, scouring and polishing compounds, matches, brooms, and brushes. 32,514, re-renewed Feb. 21, 1949. O. G. Dec. 21. Classes 4, 9, 15, 29, and 46.
Charles & Co., Inc.: *See*—
Charles & Co.
Char-Lite Manufacturing Company, The, St. Louis, Mo. Charcoal briquettes. 504,927, Dec. 21; Serial No. 527,162, published Aug. 31, 1948. Class 1.
Chase Brass & Copper Co., Incorporated: *See*—
Hungerford, U. T., Brass & Copper Co.
Chess Brothers, The Central Expanded Metal Company, Pittsburgh, Pa., to Wheeling Corrugating Company, Wheeling, W. Va. Expanded metal. 72,061, re-renewed Dec. 29, 1948. O. G. Dec. 21. Class 12.
Chipman's, Chas., Sons, Easton, Pa., to Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 71,178–9, re-renewed Nov. 10, 1948. O. G. Dec. 21. Class 39.
Chipman's, Chas., Sons Co., Inc.: *See*—
Chas. Chipman's Sons.
Chula Vista Mutual Lemon Association, Inc, Chula Vista, Calif. Fresh lemons. 257,832, June 18, 1929. Republished Dec. 21. Class 46.
Church & Dwight Co., Inc., New York, N. Y. Baking soda (bicarbonate of soda) and baking powder. 504,922, Dec. 21; Serial No. 526,775, published Aug. 24, 1948. Class 46.
Church & Dwight Co., Inc., New York, N. Y. Baking soda (bicarbonate of soda) and baking powder. 504,923, Dec. 21; Serial No. 526,803, published Aug. 24, 1948. Class 46.
Church & Dwight Co., Inc., New York, N. Y. Baking soda (bicarbonate of soda). 504,924, Dec. 21; Serial No. 526,811, published July 27, 1948. Class 46.
Clark, Alice L., doing business as Nina Doll Co., Mill Valley, Calif. Dolls. 441,664, Dec. 21; Serial No. 523,094, published Aug. 17, 1948. Class 22.
Clark, Verdelle, Presque Isle, Maine. Artificial fishing flies. 504,901, Dec. 21; Serial No. 509,635, published Aug. 17, 1948. Class 22.
Cleveland Heater Company, The, Cleveland, Ohio. Gas, oil, and vapor hot-water storage and heating tanks and those adapted for heating by thermosiphon or coils; gas, oil, and vapor water heaters and thermostatic valves furnished as parts of heating devices. 249,071, renewed Nov. 6, 1948. O. G. Dec. 21. Class 34.
Cohen, B., & Sons, Woonsocket, R. I. Reprocessed and reused wool. 505,033, Dec. 21; Serial No. 539,394, published Sept. 7, 1948. Class 1.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Synthetic detergent. 505,077, Dec. 21; Serial No. 546,956, published Sept. 7, 1948. Class 4.
Companhia Geral Da Agricultura Das Vinhas Do Alto Douro, doing business as Royal Oporto Wine Company, Oporto, Portugal. Wines. 316,340, Aug. 21, 1934. Republished Dec. 21. Class 47.
Companhia Geral Da Agricultura Das Vinhas Do Alto Douro, doing business as Royal Oporto Wine Company, Oporto, Portugal. Wines. 328,081, Sept. 17, 1935. Republished Dec. 21. Class 47.
Companhia Geral Da Agricultura Das Vinhas Do Alto Douro, doing business as Royal Wine Company, Oporto, Portugal. Wines. 338,236, Sept. 1, 1936. Republished Dec. 21. Class 47.
Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Varnish stains and paint enamels. 368,842, July 4, 1939. Republished Dec. 21. Class 16.
Consolidated Cigar Corporation: *See*—
Lovera, Jose, Co.
Consolidated Cosmetics, Chicago, Ill. Toilet soap and laundry soap. 505,106, Dec. 21; Serial No. 555,161, published Aug. 31, 1948. Class 4.
Consolidated Grocers Corporation, Chicago, Ill. Vitamin tablets. 441,661, Dec. 21; Serial No. 521,723, published Sept. 2, 1947. Class 6.
Contact Lens Service, Inc., New York, N. Y., assignor to Precision-Cosmet Company, Inc. Eye impression material. 505,028, Dec. 21; Serial No. 538,725, published Sept. 14, 1948. Class 44.
Cooper, Wells & Company, St. Joseph, Mich., by Walgreen Co., Chicago, Ill. Hosiery for women. 328,429, Sept. 24, 1935. Republished Dec. 21. Class 39.
Coos Bay Mutual Creamery Company: *See*—
Oregon Dairymen's Cooperative League, The.
Corneli Seed Company, St. Louis, Mo. Garden and field seeds and bulbs. 505,069, Dec. 21; Serial No. 544,646, published Aug. 10, 1948. Class 1.
Corona Citrus Association, Corona, Calif. Fresh citrus fruits. 322,903, Mar. 26, 1935. Republished Dec. 21. Class 46.
Corona Soapcrafters: *See*—
Rothschild, Lee.
Cover, S. E., Andrews, N. C. Preparation for the treatment of athlete's foot, and itching toes. 505,094, Dec. 21; Serial No. 551,694, published Sept. 14, 1948. Class 6.
Covina Orange Growers Association, Covina, Calif. Fresh citrus fruits. 505,039, Dec. 21; Serial No. 539,854, published Sept. 14, 1948. Class 46.
Crawford, Daniel, & Son Limited, Glasgow, Scotland. Scotch whisky. 313,400, May 29, 1934. Republished Dec. 21. Class 49.
Crescent Bed Co. Inc.: *See*—
Crescent Bed Co., Ltd.
Crescent Bed Co., Ltd., by Crescent Bed Co. Inc., New Orleans, La. Beds, cribs, bed springs, etc. 162,710, Dec. 26, 1922. Republished Dec. 21. Class 32.
Crest View Winery, Inc., Fresno, Calif. Wines. 421,420, June 4, 1946. Republished Dec. 21. Class 47.

Crouch & Fitzgerald Corporation, New York, N. Y. Suitcases, traveling bags, fitted and unfitted suitcases, etc. 252,278, renewed Jan. 29, 1949. O. G. Dec. 21. Class 3.
Crown Cork & Seal Company, Inc., Baltimore, Md. Artificial cork. 505,074, Dec. 21; Serial No. 546,158, published Aug. 10, 1948. Class 1.
Crown Willamette Paper Company: *See*—
Crown Zellerbach Corporation.
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Creped paper liners. 433,968, Nov. 4, 1947. Republished Dec. 21. Class 37.
Curt, Teich, & Company, Chicago, Ill. Multi-colored post cards and pictorial illustrations. 504,929, Dec. 21; Serial No. 527,200, published Aug. 31, 1948. Class 38.
Curtis, A. W., Jr., doing business as A. W. Curtis Laboratories, Detroit, Mich. Face powder. 504,913, Dec. 21; Serial No. 520,618, published Aug. 17, 1948. Class 6.
Curtis, A. W., Laboratories: *See*—
Curtis, A. W., Jr.
Cutler-Magner Company: *See*—
Smoked Salt Company, The.
Cutter Laboratories, Berkeley, Calif. Dextrose, thiamine, nicotinamid, etc. 441,654, Dec. 21; Serial No. 512,389, published Aug. 24, 1948. Class 6.
Dainty Dot Hosiery: *See*—
Levin Brothers.
Dalton Hat Co. Inc., Yonkers, N. Y. Men's and boys' soft and straw hats and caps. 330,077, Nov. 19, 1935. Republished Dec. 21. Class 39.
Daniels, Ward, Montalvo, Calif. Fresh citrus fruit. 360,071, Sept. 6, 1938. Republished Dec. 21. Class 46.
Davis, Joseph, Plastics Company, Arlington, N. J. Children's toy rattles and children's toy combs and brushes. 504,934, Dec. 21; Serial No. 528,196, published Aug. 17, 1948. Class 22.
Davis & Lawrence Company, Dobbs Ferry, N. Y. Non-alcoholic beverages. 505,130, Dec. 21; Serial No. 549,037. Class 45.
Delapenha, R. U., & Co. Inc., New York, N. Y. Prepared foods. 291,205, Feb. 2, 1932. Republished Dec. 21. Class 46.
Delapenha, R. U., & Co. Inc., New York, N. Y. Brandy. 403,827, Oct. 10, 1943. Republished Dec. 21. Class 49.
Delapenha, R. U., & Co. Inc., New York, N. Y. Sherry. 408,761, Aug. 29, 1944. Republished Dec. 21. Class 47.
Delaware Valley Chemicals, Inc., Easton, Pa. Hand cream. 505,066, Dec. 21; Serial No. 543,146, published Sept. 14, 1948. Class 6.
Dennison Manufacturing Company, Boston, by Dennison Manufacturing Company (1911), Framingham, Mass. Sealing-wax. 70,257, Aug. 18, 1908. Republished Dec. 21. Class 5.
Dennison Manufacturing Company (1911): *See*—
Dennison Manufacturing Company.
De Nobili Cigar Company, New York, to De Nobili Cigar Company, Long Island City, N. Y. Cigars. 248,608, renewed Oct. 23, 1948. O. G. Dec. 21. Class 17.
De Nobili Cigar Company, New York, to De Nobili Cigar Company, Long Island City, N. Y. Cigars. 250,597–8, renewed Dec. 11, 1948. O. G. Dec. 21. Class 17.
De Nobili Cigar Company, New York, to De Nobili Cigar Company, Long Island City, N. Y. Cigars. 251,390, renewed Jan. 8, 1949. O. G. Dec. 21. Class 17.
Detroit Graphite Company: *See*—
Detroit Graphite Co.
Detroit Graphite Co., Detroit, Mich., by Detroit Graphite Company, Detroit, Mich., and New York, N. Y. Mixed paints. 104,251, May 11, 1915. Republished Dec. 21. Class 16.
Dewey Portland Cement Company, Kansas City, Mo. Portland cement and mason's cement. 505,018, Dec. 21; Serial No. 537,296, published Aug. 24, 1948. Class 12.
Dextone Company, The, New Haven, Conn. Articles made from artificial stone. 505,057, Dec. 21; Serial No. 541,633, published Sept. 7, 1948. Class 12.
Di Giovanni, Mary, doing business as Royal Kings Row Products, Brooklyn, N. Y. Cleansing cream. 504,973, Dec. 21; Serial No. 531,996, published Sept. 14, 1948. Class 6.
Ditto, Incorporated, Chicago, Ill. Paper for stationery use for business forms printed with standard business ink, etc. 249,382, renewed Nov. 13, 1948. O. G. Dec. 21. Class 37.
Diversey Corporation, The: *See*—
Enoz Chemical Company.
Dodge, F. W., Corporation, New York, N. Y. Periodical. 246,960, renewed Sept. 18, 1948. O. G. Dec. 21. Class 38.
Doerman Shoe Mfg. Co.: *See*—
Doerman Shoe Mfg. Co., The.
Doerman Shoe Mfg. Co., The, Milwaukee, by Doerman Shoe Mfg. Co., South Milwaukee, Wis. Shoes. 363,974, Jan. 17, 1939. Republished Dec. 21. Class 39.
Dombrower, Ralph L., Company, Inc., The, by Sorbtex Foundation, Inc., Richmond, Va. Chemical preparation. 316,033, Aug. 14, 1934. Republished Dec. 21. Class 6.
Dorset Foods, Ltd., Long Island City, N. Y. Food beverage. 434,052, Nov. 4, 1947. Republished Dec. 21. Class 46.
Dressoline Manufacturing Company, Chicago, Ill. Antiseptic salve. 252,531, renewed Feb. 12, 1949. O. G. Dec. 21. Class 6.
Dryomatic Corporation of America, assignee: *See*—
Urdahl, Thomas H.
Duncan, William D., by J. D. Peltier, Ottawa, Ill. Internal remedies. 36,131, Mar. 26, 1901. Republished Dec. 21. Class 6.
Durham Peanut Products Company: *See*—
Mathes, James M.
Duro Pattern and Mold Company, Highland Park, Mich. Toy banks. 504,975, Dec. 21; Serial No. 532,127, published Aug. 3, 1948. Class 22.
Eagle-Flagg Tanning Corporation, New York, N. Y. Upper leathers. 505,042, Dec. 21; Serial No. 540,056, published Sept. 7, 1948. Class 1.
Eagle Pencil Company, New York, N. Y. Lead pencils, pencil-point protectors, pencil holders, etc. 253,611, renewed Mar. 5, 1949. O. G. Dec. 21. Class 37.
Eagle Pencil Company, New York, N. Y. Ball pointed fountain pens. 504,897, Dec. 21; Serial No. 505,344, published Sept. 14, 1948. Class 37.
Eagle Roller Mill Co., New Ulm, Minn. Wheat flour. 504,926, Dec. 21; Serial No. 527,027, published Sept. 21, 1948. Class 46.
East Highlands Citrus Association, East Highlands, Calif. Fresh citrus fruits. 232,444, Sept. 6, 1927. Republished Dec. 21. Class 46.
East Highlands Citrus Association, East Highlands, Calif. Fresh citrous fruits. 237,323, Jan. 10, 1928. Republished Dec. 21. Class 46.
Eaton Laboratories, Inc., Norwich, N. Y. Antacid preparation. 505,100, Dec. 21; Serial No. 552,443, published Sept. 14, 1948. Class 6.
Eclipse Air Brush Co., Newark, N. J. Pneumatic driven stirrers. 409,800, Oct. 24, 1944. Republished Dec. 21. Class 23.
Eclipse Air Brush Co., Newark, N. J. Spray guns. 409,901–2, Oct. 31, 1944. Republished Dec. 21. Class 23.
Elderwood Citrus Association, Woodlake, Calif. Fresh citrus fruits. 374,411, Jan. 9, 1940. Republished Dec. 21. Class 46.
Electric Household Utilities Corporation, by Thor Corporation, Chicago, Ill. Ironing machines. 347,157, June 15, 1937. Republished Dec. 21. Class 24.
Electric Household Utilities Corporation, by Thor Corporation, Chicago, Ill. Ironing machines. 384,009, Dec. 31, 1940. Republished Dec. 21. Class 24.
Electric Household Utilities Corporation, by Thor Corporation, Chicago, Ill. Clothes washing machines and ironing machines. 427,067, Jan. 28, 1947. Republished Dec. 21. Class 24.
Electrical Information Publications, Inc., Madison, Wis. Periodical publications. 504,976, Dec. 21; Serial No. 532,435, published Aug. 31, 1948. Class 38.
Electrical Information Publications, Inc., Madison, Wis. Periodical publication. 504,977, Dec. 21; Serial No. 532,437, published Aug. 31, 1948. Class 38.
Elgin Softener Corporation, Elgin, Ill. Ion-exchange materials. 432,490, Sept. 2, 1947. Republished Dec. 21. Class 31.
Elgin Softener Corporation, Elgin, Ill. Graded siliceous and other insoluble, unreactive granular materials. 433,872, Nov. 4, 1947. Republished Dec. 21. Class 31.
Encore Press, The: *See*—
Smith, Dent.
Enoz Chemical Company, by The Diversey Corporation, Chicago, Ill. Rodent poison. 150,348, Jan. 3, 1922. Republished Dec. 21. Class 6.
Enoz Chemical Company, by The Diversey Corporation, Chicago, Ill. Insecticide. 150,349–50, Jan. 3, 1922. Republished Dec. 21. Class 6.
Enoz Chemical Company, by The Diversey Corporation, Chicago, Ill. Drain pipe flush. 343,961, Mar. 9, 1937. Republished Dec. 21. Class 6.
Enoz Chemical Company, by The Diversey Corporation, Chicago, Ill. Insecticides. 430,100, June 10, 1947. Republished Dec. 21. Class 6.
Enro Shirt Company, The, Louisville, Ky. Dress and negligee shirts, knitted and textile underwear for men, and pajamas. 267,216, Feb. 18, 1930. Republished Dec. 21. Class 39.
Enro Shirt Company, The, Louisville, Ky. Collars, dress and negligee shirts, pajamas, etc. 268,483, Mar. 18, 1930. Republished Dec. 21. Class 39.
Enro Shirt Company, The, Louisville, Ky. Pajamas. 301,431, Feb. 28, 1933. Republished Dec. 21. Class 39.
Enro Shirt Company, Inc., The, Louisville, Ky. Men's negligee and dress shirts, pajamas and underwear. 314,466, June 26, 1934. Republished Dec. 21. Class 39.
Enro Shirt Company, The, Louisville, Ky. Mens' and boys' negligee and dress shirts, pajamas and underwear. 324,339, May 14, 1935. Republished Dec. 21. Class 39.
Enro Shirt Company, The, Louisville, Ky. Collars, negligee and dress shirts, and pajamas for men. 341,405, Dec. 8, 1936. Republished Dec. 21. Class 39.
Enro Shirt Company, The, Louisville, Ky. Men's dress shirts, pajamas. 371,497, Sept. 26, 1939. Republished Dec. 21. Class 39.
Enro Shirt Company, The, Louisville, Ky. Collars. 376,010, Mar. 12, 1940. Republished Dec. 21. Class 39.
Escalon Packers, Inc., Escalon, Calif. Canned fruits. 411,310, Jan. 9, 1945. Republished Dec. 21. Class 46.
Escalon Packers, Inc., Escalon, Calif. Canned fruits. 412,294, Feb. 27, 1945. Republished Dec. 21. Class 46.

Escalon Packers, Inc., Escalon, Calif. Tomato paste. 417,301, Oct. 23, 1945. Republished Dec. 21. Class 46.
Escalon Packers, Inc., Escalon, Calif. Canned fruits, canned vegetables, and tomato paste. 421,940, June 25, 1946. Republished Dec. 21. Class 46.
Eslick, Claris E., Stratford, Iowa. Fish bait comprising an edible food composition in the form of pellets. 505,127, Dec. 21; Serial No. 540,059. Class 22.
Esterbrook Pen Company, The, Camden, N. J. Fountain pens and parts thereof. 505,010, Dec. 21; Serial No. 536,246, published Sept. 14, 1948. Class 37.
Euclid Crane & Hoist Company, The, by The Euclid Road Machinery Company, Euclid, Ohio. Mobile earth-moving machinery. 282,468, Apr. 21, 1931. Republished Dec. 21. Class 19.
Euclid Crane & Hoist Company, The, by The Euclid Road Machinery Company, Euclid, Ohio. Mobile machinery. 283,610, June 2, 1931. Republished Dec. 21. Class 23.
Euclid Road Machinery Company, The: *See*—
Euclid Crane & Hoist Company, The.
Euclid Road Machinery Company, The, Euclid, Ohio. Motor-driven and trailer materials-handling equipment. 373,795, Dec. 26, 1939. Republished Dec. 21. Class 19.
Eugene, Ltd., Brooklyn, N. Y. Electric hair driers, permanent hair waving machines and parts thereof, etc. 505,030, Dec. 21; Serial No. 539,142, published Sept. 14, 1948. Class 44.
Eugene, Ltd., Brooklyn, N. Y. Hair tint. 505,047, Dec. 21; Serial No. 540,653, published Sept. 14, 1948. Class 6.
Ever Ready Calendar Manufacturing Company, Jersey City, N. J. Calendar and desk pads. 504,956, Dec. 21; Serial No. 530,393, published Sept. 7, 1948. Class 37.
Eweson, Karl F., doing business as Balico Products Co., New York, N. Y. Instruments for removing comedos or blackheads from the skin. 399,263, Dec. 22, 1942. Republished Dec. 21. Class 44.
Exeter Fruit Association: *See*—
Hollenbeck, George J.
Exhibit Supply Co.: *See*—
Meyer, J. Frank.
Meyer, John F.
Faber, Eberhard, New York, by Eberhard Faber Pencil Company, Brooklyn, N. Y. Pen and pencil holders, penholders, pencil-holders, etc. 51,227, Apr. 10, 1906. Republished Dec. 21. Class 37.
Faber, Eberhard, Pencil Company: *See*—
Faber, Eberhard.
Farmers Incorporated: *See*—
Farmers Manufacturing Company.
Farmers Manufacturing Company, by Farmers Incorporated, Norfolk, Va. Fruit and vegetable wooden packages and parts thereof. 230,609, Aug. 2, 1927. Republished Dec. 21. Class 2.
Fearless Dishwasher Company, Inc., Rochester, N. Y. Dishwashing machines. 236,676, Dec. 20, 1927. Republished Dec. 21. Class 23.
Feller-Jones Corporation, New York, N. Y. Moth proofing fluid. 505,084, Dec. 21; Serial No. 549,142, published Sept. 14, 1948. Class 6.
Findlater Mackie Todd & Co. Limited, London, England. Scotch whisky. 347,489, June 29, 1937. Republished Dec. 21. Class 49.
First Texas Chemical Mfg. Co., Dallas, Tex. Pharmaceutical preparation in the form of capsules. 441,665, Dec. 21; Serial No. 523,952, published Sept. 7, 1948. Class 6.
Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Poultry food. 107,911, Jan. 4, 1916. Republished Dec. 21. Class 46.
Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 306,421, Sept. 19, 1933. Republished Dec. 21. Class 46.
Fleming-Hall Tobacco Co., Inc.: *See*—
Simpson, Max.
Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigarettes. 432,236, Aug. 26, 1947. Republished Dec. 21. Class 17.
Florida Fruit Canners, Inc., to L. Maxcy, Inc., Frostproof, Fla. Canned grapefruit. 248,116, renewed Oct. 16, 1948. O. G. Dec. 21. Class 46.
Folker Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 432,625, Sept. 9, 1947. Republished Dec. 21. Class 42.
Forbes, James H., Tea and Coffee Company, St. Louis, Mo. All kinds of coffee. 78,785, July 12, 1910. Republished Dec. 21. Class 46.
Forbes, James H., Tea and Coffee Company, St. Louis, Mo. Blended coffee, spices, and food-flavoring extracts. 82,591, July 11, 1911. Republished Dec. 21. Class 46.
Forbes, James H., Tea and Coffee Company, St. Louis, Mo. Coffee. 189,635, Sept. 23, 1924. Republished Dec. 21. Class 46.
Forman, W. S., Co.: *See*—
Forman, William S.
Forman, William S., doing business as W. S. Forman Co., Chicago, Ill. Perfume, hair tonic, shampoo, etc. 505,034, Dec. 21; Serial No. 539,405, published Sept. 14, 1948. Class 6.
Forstner, W., Co., Providence, R. I., by General Chain Company, Inc., North Attleboro, Mass. Metal chains for personal wear. 106,318, Oct. 19, 1915. Republished Dec. 21. Class 28.

Foundry Equipment Company, The, Cleveland, Ohio. Industrial ovens, 364,221, Jan. 24, 1939. Republished Dec. 21. Class 34.
Fox, Armand A., doing business as Hygiea Products Co., Detroit, Mich. An antiseptic skin remedy. 505,110, Dec. 21; Serial No. 506,812. Class 6.
Freihofer Baking Company, Philadelphia, Pa. Breads, cakes, buns, etc. 297,951, Oct. 4, 1932. Republished Dec. 21. Class 46.
Freydberg Brothers, Incorporated, by Freydberg Bros.-Strauss, Inc., New York, N. Y. Ribbon. 301,640, Mar. 7, 1933. Republished Dec. 21. Class 7.
Freydberg Bros.-Strauss, Inc.: *See*—
Freydberg Brothers, Incorporated.
Fromm & Co.: *See*—
Fromm, F. H., & Co.
Fromm, F. H., & Co., Philadelphia, Pa., by Frank H. Fromm, doing business as F. H. Fromm & Co., New York, N. Y. Canned sardines. 64,384, Aug. 6, 1907. Republished Dec. 21. Class 46.
Fromm, Frank H.: *See*—
Fromm, F. H., & Co.
Fromm, Frank H., New York, N. Y. Canned sardines. 169,285, June 12, 1923. Republished Dec. 21. Class 46.
Fromm, Frank H., New York, N. Y. Canned fish. 173,823, Oct. 2, 1923. Republished Dec. 21. Class 46.
Fromm, Frank H., New York, N. Y. Sardines packed in oil. 182,790, Apr. 15, 1924. Republished Dec. 21. Class 46.
Fromm, Frank H., New York, N. Y. Matches. 209,806, Mar. 2, 1926. Republished Dec. 21. Class 9.
Fry, B. L., Products Company: *See*—
Hedenkamp, Walter D.
Fuller, John C., doing business as Fuller Manufacturing Company, Columbus, Kans. Edible fish bait. 441,641, Dec. 21; Serial No. 507,897, published Aug. 17, 1948. Class 22.
Fuller Manufacturing Company: *See*—
Fuller, John C.
Fulton Specialty Co., Elizabeth, N. J. Dater stamps. 504,989, Dec. 21; Serial No. 533,297, published Sept. 7, 1948. Class 37.
Furr Hybrids: *See*—
Furr, Kenneth.
Furr, Kenneth, doing business as Furr Hybrids, Genoa, Ill. Seed corn. 441,624, Dec. 21; Serial No. 481,530, published Aug. 24, 1948. Class 1.
Galbani, S. A. Egidio, Melzo, Milan, Italy, by Bel Paese Sales Co. Inc., New York, N. Y. Cheese. 270,320, May 6, 1930. Republished Dec. 21. Class 46.
Garcia Grande Cigars, Incorporated, New York, N. Y., by Walgreen Co., Chicago, Ill. Cigars. 317,582, Oct. 2, 1934. Republished Dec. 21. Class 17.
Gemloid Corporation, Elmhurst, Long Island, N. Y. Sporting and recreational articles. 504,891, Dec. 21; Serial No. 478,683, published Aug. 17, 1948. Class 22.
General Chain Company, Providence, R. I., by General Chain Company, Inc., North Attleboro, Mass. Chains for personal wear. 196,421, Mar. 17, 1925. Republished Dec. 21. Class 28.
General Chain Company, Providence, R. I., by General Chain Company, Inc., North Attleboro, Mass. Chains for personal wear, fobs, pendants, bracelets, etc. 222,444, Jan. 4, 1927. Republished Dec. 21. Class 28.
General Chain Company, Inc.: *See*—
Forstner, W., Co.
General Chain Company.
Speidel, F., Company.
Gerber & Co., Inc., New York, N. Y. Cheese. 253,232, renewed Feb. 26, 1949. O. G. Dec. 21. Class 46.
Gianandrea, N., doing business as Valley Growers Exchange, San Jose, Calif. Fresh vegetables. 504,999, Dec. 21; Serial No. 535,028, published Sept. 14, 1948. Class 46.
Gibson, Dorothy, Perfumes Corp., Brooklyn and New York, N. Y. Perfumes. 505,078, Dec. 21; Serial No. 547,112, published Aug. 17, 1948. Class 6.
Gillette Safety Razor Company: *See*—
Gillette Safety Razor Co.
Gillette Safety Razor Co., to Gillette Safety Razor Company, Boston, Mass. Razors and razor blades. 70,856, re-renewed Oct. 13, 1948. O. G. Dec. 21. Class 23.
Globe Specialty Company, by Johnson Glass Company, Chicago, Ill. Lamp lenses. 340,219, Nov. 3, 1936. Republished Dec. 21. Class 34.
Globe Specialty Company, by Johnson Glass Company, Chicago, Ill. Automobile safety reflecting and signal lenses and buttons. 343,695, Mar. 2, 1937. Republished Dec. 21. Class 19.
Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Floor covering. 441,659, Dec. 21; Serial No. 519,941, published Sept. 14, 1948. Class 20.
Grant, William & Sons, Limited, Glasgow, Dufftown, Scotland. Blended scotch whisky (in bottles only). 346,426, May 25, 1937. Republished Dec. 21. Class 49.
Gray Company, Inc.: *See*—
Gun-Fil Corporation.
Gray Envelope Manufacturing Company, Inc., The, Brooklyn, N. Y. Writing paper and envelopes. 505,064, Dec. 21; Serial No. 542,228, published Sept. 7, 1948. Class 37.

Great Lakes Foundry Sand Company, Detroit, Mich. Foundry sand. 504,937, Dec. 21; Serial No. 528,347, published Aug. 31, 1948. Class 1.

Great Lakes Varnish Works, Inc., Chicago, Ill. Paint enamels and varnishes. 247,879, Oct. 9, 1928. Republished Dec. 21. Class 16.

Greencastle Packing Company, The, Greencastle, Pa. Canned vegetables. 504,914, Dec. 21; Serial No. 520,697, published Sept. 21, 1948. Class 46.

Greer, William, & Co. Limited, Glasgow, Scotland. Scotch whisky. 369,476, July 25, 1939. Republished Dec. 21. Class 49.

Griffin Engineering Company, Inc., Worthington, Ind. Storage cabinets, stands in the nature of furniture, cupboards, and cellarets. 441,627, Dec. 21; Serial No. 390,429, published Sept. 14, 1948. Class 32.

Griffin Engineering Company, Inc., Worthington, Ind. Storage cabinets, cupboards, chairs, etc. 441,628, Dec. 21; Serial No. 490,430, published Sept. 14, 1948. Class 32.

Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Shoe polishes, shoe blackings, shoe cleansers, etc. 505,080, Dec. 21; Serial No. 547,333, published Aug. 31, 1948. Class 4.

Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Preparation in liquid and paste form. 505,081, Dec. 21; Serial No. 547,340, published Aug. 31, 1948. Class 4.

Grigsby, Bertram J., Chicago, Ill. Publication. 504,908, Dec. 21; Serial No. 517,056, published Sept. 7, 1948. Class 38.

Grill-Craft Company: *See*—
Mannheimer, Carl.

Grunwald-Marx, by Grunwald-Marx Inc., Los Angeles, Calif. Men's dress and work shirts. 433,385, Oct. 14, 1947. Republished Dec. 21. Class 39.

Grunwald-Marx Inc.: *See*—
Grunwald-Marx.

Gun-Fil Corporation, Philadelphia, Pa., to Gray Company, Inc., Minneapolis, Minn. Lubricating oils and greases. 247,833, renewed Oct. 9, 1948. O. G. Dec. 21. Class 15.

Haas Brothers, New York, N. Y., and San Francisco, by Haas Brothers, San Francisco, Calif. Oysters. 24,182, Feb. 6, 1894. Republished Dec. 21. Class 46.

Hales & Hunter Co., Chicago, Ill. Horse and cattle feed. 337,299, Aug. 4, 1936. Republished Dec. 21. Class 46.

Haller, W. A., Company, Inc., Pittsburgh and Philadelphia, by W. A. Haller Corporation, Philadelphia, Pa. Potable distilled spirituous beverages. 411,821, Feb. 6, 1945. Republished Dec. 21. Class 49.

Haller, W. A., Corporation: *See*—
Haller, W. A., Company, Inc.

Handman, Maurice, doing business as Maurella Products Co., assignor to Maurella Products Company, Inc., by Maurice Handman, doing business as Maurella Products Company, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 433,170, Sept. 30, 1947. Republished Dec. 21. Class 6.

Hannay, Clifford B., & Son, Inc., Westerlo, N. Y. Hose reels. 505,129, Dec. 21; Serial No. 545,127. Class 2.

Hansen Glove Corporation: *See*—
Hansen O. C., Mfg. Co.

Hansen, O. C., Mfg. Co., by Hansen Glove Corporation, Milwaukee, Wis. Men's unlined, knitted wool-lined, silk-lined, lamb-lined, and fur-lined leather gloves. 242,747, June 5, 1928. Republished Dec. 21. Class 39.

Hanzel, George, New York, N. Y. Drawings and advertising media. 504,898, Dec. 21; Serial No. 506,313, published Sept. 7, 1948. Class 38.

Hardwicke, John B., doing business as John B. Hardwicke Co., by John B. Hardwicke Co., Corpus Christi, Tex. Fresh vegetables, fresh citrus fruits, fresh deciduous fruits. 307,085, Oct. 17, 1933. Republished Dec. 21. Class 46.

Hardwicke, John B., Co.: *See*—
Hardwicke, John B.

Harris, Morris, doing business as Union Manufacturing Co., by Union Manufacturing Co., Los Angeles, Calif. Men's and boys' clothing. 335,061, May 19, 1936. Republished Dec. 21. Class 39.

Hart Drug Corporation, Miami, Fla. Nasal jelly. 254,864, renewed Apr. 2, 1949. O. G. Dec. 21. Class 6.

Harvey, John & Robt., & Company Limited, Glasgow, Scotland. Scotch whisky. 317,156, Sept. 18, 1934. Republished Dec. 21. Class 49.

Hawkeye Portland Cement Company, Des Moines, Iowa, by Marquette Cement Manufacturing Company, Chicago, Ill. Portland cement. 113,381, Oct. 17, 1916. Republished Dec. 21. Class 12.

Health Cigar Company, The: *See*—
Simpson, Max.

Hearst Magazines Inc., New York, N. Y. Magazine feature. 505,101, Dec. 21; Serial No. 553,854, published Aug. 31, 1948. Class 38.

Hearst Magazines Inc., New York, N. Y. Magazine feature. 505,105, Dec. 21; Serial No. 554,567, published Aug. 31, 1948. Class 38.

Heckmann, Hans J., doing business as Hans J. Heckmann Company, Towson, Md. Household detergent. 505,007, Dec. 21; Serial No. 536,082, published Aug. 31, 1948. Class 4.

Heckmann, Hans J., Company: *See*—
Heckmann, Hans J.

Hedenkamp, Walter D., doing business as B. L. Fry Products Company, St. Louis, Mo. Lightweight horseshoe sets. 504,894, Dec. 21; Serial No. 496,787, published Aug. 17, 1948. Class 22.

Hedwin Corporation, Baltimore, Md. Inflatable mattresses and cushions. 441,668, Dec. 21; Serial No. 525,844, published Sept. 14, 1948. Class 32.

Hep, Inc.: *See*—
Reynolds, R. J., Jr.

Hettrick Manufacturing Company, The, Toledo, Ohio. Play vehicle. 505,050, Dec. 21; Serial No, 540,997, published July 20, 1948. Class 22.

Hewes & Potter, Inc., Boston, Mass. Suspenders. 241,753, May 8, 1928. Republished Dec. 21. Class 39.

Hewes & Potter, Inc., Boston, Mass. Garters. 241,803, May 8, 1928. Republished Dec. 21. Class 39.

Heywood-Wakefield Company, Gardner, Mass. Household and summer furniture both wood and upholstered. 504,980, Dec. 21; Serial No. 532,931, published Sept. 14, 1948. Class 32.

Hoffman, George W., by M. R. Miller, doing business as The Walter W. Miller Company, Indianapolis, Ind. Compound for polishing metals and other hard materials. 64,090, July 23, 1907. Republished Dec. 21. Class 4.

Hoffman, J. S., Company, Chicago, Ill. Cheese. 505,076, Dec. 21; Serial No. 546,929, published Sept. 14, 1948. Class 46.

Hollenbeck, George J., Sacramento, to Exeter Fruit Association, Exeter, Calif. Fresh vegetables. 244,375, renewed July 17, 1948. O. G. Dec. 21. Class 46.

Hollingsworth & Whitney Company, Boston, Mass. Tag, bond and index papers. 505,014, Dec. 21; Serial No. 536,386, published Sept. 14, 1948. Class 37.

Hollingsworth & Whitney Company, Boston, Mass. Wrapping and converting paper. 505,015, Dec. 21; Serial No. 536,395, published Sept. 14, 1948. Class 37.

Holly Hill Fruit Products, Incorporated, Davenport, Fla. Fresh and canned citrus fruits, canned citrus fruit juices, and citrus fruit jellies and marmalades. 504,919, Dec. 21; Serial No. 525,486, published Sept. 21, 1948. Class 46.

Home Drug Company, by Valentine Laboratories, Inc., Chicago, Ill. Medimine, as a stomachic preparation. 365,326, Mar. 7, 1939. Republished Dec. 21. Class 6.

Home Mill and Grain Company, Inc.: *See*—
Sunlight Milling Company.

Honolulu Star-Bulletin, Ltd., Honolulu, Hawaii. Periodical. 505,075, Dec. 21; Serial No. 546,772, published Aug. 17, 1948. Class 38.

Hopkins, John, & Co. Limited, Glascow, Scotland. Whisky. 312,961, May 15, 1934. Republished Dec. 21. Class 49.

Hopper, M. D., Hanford, Calif. Fresh grapes. 211,900, Apr. 20, 1926. Republished Dec. 21. Class 46.

Hortex Manufacturing Company, by Hortex Manufacturing Co., Inc., El Paso, Tex. Boys' sport suits, pants, shirts, etc. 393,064, Jan. 27, 1942. Republished Dec. 21. Class 39.

Hortex Manufacturing Company, by Hortex Manufacturing Co., Inc., El Paso, Tex. Children's play garments. 412,975, Apr. 3, 1945. Republished Dec. 21. Class 39.

Hortex Manufacturing Co., Inc.: *See*—
Hortex Manufacturing Company.

Howard, G. E., & Co.: *See*—
Howard, George E.

Howard, George E., doing business as G. E. Howard & Company, by G. E. Howard & Co., Newburgh, N. Y. Canned vegetables, canned fruits, and canned fish. 200,080, June 23, 1925. Republished Dec. 21. Class 46.

Howard Paper Mills, Inc., Dayton, Ohio. Index paper. 504,948, Dec. 21; Serial No. 529,998, published Sept. 14, 1948. Class 37.

Howard, W. S., Company, assignor to Red Dot Foods, Inc., Madison, Wis. Pure liquid vanilla extracts for food flavoring purposes, gelatin dessert powders, pudding powders, etc. 441,636, Dec. 21; Serial No. 505,652, published Mar. 16, 1948. Class 46.

Huggins Candy Co., by Standard Candy Company, Nashville, Tenn. Candy. 135,706, Oct. 19, 1920. Republished Dec. 21. Class 46.

Hungerford, U. T., Brass & Copper Co., New York, N. Y., by Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Bronze sheets. 214,661, June 29, 1926. Republished Dec. 21. Class 14.

Hurley Machine Company, by Thor Corporation, Chicago, Ill. Clothes washing machines, ironing machines and clothes wringing machines. 119,454, Nov. 20, 1917. Republished Dec. 21. Class 24.

Hurley Machine Company, by Thor Corporation, Chicago, Ill. Electric dishwashing machines. 119,537, Nov. 27, 1917. Republished Dec. 21. Class 21.

Hygiea Products Co.: *See*—
Fox, Armand A.

Indera Mills, by Indera Mills Company, Winston-Salem, N. C. Knit and woven underwear. 98,955, Aug. 11, 1914. Republished Dec. 21. Class 39.

Indera Mills, by Indera Mills Company, Winston-Salem, N. C. Knit and woven underwear. 99,052, Aug. 11, 1914. Republished Dec. 21. Class 39.

Indera Mills Company: *See*—
Indera Mills.

Indera Mills Company, Winston-Salem, N. C. Knit and woven underwear, swim suits, princess slips, etc. 323,206, Apr. 9, 1935. Republished Dec. 21. Class 39.

Inderrieden, J. B., Co., The, Chicago, Ill. Canned vegetables. 504,907, Dec. 21; Serial No. 516,847, published Sept. 7, 1948. Class 46.

Industrial Tape Corporation, New Brunswick, N. J. Pressure-sensitive adhesive tape. 505,067, Dec. 21; Serial No. 543,186, published Sept. 14, 1948. Class 5.

Ingram, J. E., Equipment Company, San Antonio, Tex. Road building equipment. 433,627, Oct. 21, 1947. Republished Dec. 21. Class 23.

Inland Steel Company, Chicago, Ill. Sheet piling, beams and channel bars, etc. 505,019, Dec. 21; Serial No. 537,317, published Aug. 24, 1948. Class 12.

International Minerals & Chemical Corporation, Chicago, Ill. Defluorinated phosphate. 505,045, Dec. 21; Serial No. 540,418, published Sept. 14, 1948. Class 6.

International Products Corporation, New York, N. Y. Tanning extracts. 504,957, Dec. 21; Serial No. 530,512, published Oct. 5, 1948. Class 6.

International Products Corporation, New York, N. Y. Tanning extracts. 504,958, Dec. 21; Serial No. 530,514, published Sept. 7, 1948. Class 6.

Interstate Dry Goods Syndicate, Huntington, W. Va. Sheets, pillow cases, table linens, etc. 418,471, Dec. 25, 1945. Republished Dec. 21. Class 42.

Interstate Sales Co., Waco, Tex. Sachet cream. 505,086, Dec. 21; Serial No. 551,461, published Sept. 14, 1948. Class 6.

Irwin Auger Bit Company, The, Wilmington, Ohio. Bits, augers, and screw drivers. 428,109, Mar. 11, 1947. Republished Dec. 21. Class 23.

Jackes-Evans Manufacturing Company, St. Louis, Mo. Stove-pipe, stove-pipe elbows, stove-pipe fittings, etc. 504,931, Dec. 21; Serial No. 527,569, published Aug. 31, 1948. Class 34.

Jackes-Evans Manufacturing Company, St. Louis, Mo. Space heaters. 504,932, Dec. 21; Serial No. 527,705, published Aug. 31, 1948. Class 34.

Jewel Paint & Varnish Co.: *See*—
Wadsworth-Howland Company.

Jiffy Manufacturing Company, Hillside, N. J. Insulated paper board containers for Dry-Ice cooled shipping and delivery of ice cream and the like. 441,647, Dec. 21; Serial No. 510,434, published Sept. 16, 1947. Class 31.

Johnson, Clark E., doing business as Oil-Elec-Tric Company, Minneapolis, Minn. Heating equipment. 505,026, Dec. 21; Serial No. 538,420, published Aug. 24, 1948. Class 34.

Johnson, Edmund C., Jr., Los Angeles, Calif. Beds and bedding. 504,996, Dec. 21; Serial No. 534,637, published Sept. 14, 1948. Class 32.

Johnson Glass Company: *See*—
Globe Specialty Company.

Johnson Glass Company, Chicago, Ill. Gasoline strainer bowls made of glass. 420,106, Mar. 26, 1946. Republished Dec. 21. Class 33.

Johnson, J. Oliver, Seed Company, Chicago, Ill. Grass seed. 505,040, Dec. 21; Serial No. 539,881, published Sept. 7, 1948. Class 1.

Jolly Roger Company: *See*—
Lewis, Peter.

Journal of Accountancy, Incorporated, The, by American Institute Publishing Co., Inc., New York, N. Y. Periodicals. 235,493, Nov. 22, 1927. Republished Dec. 21. Class 38.

Kanner, Abe, Los Angeles, Calif. Carbonated, nonalcoholic, noncereal, maltless beverages, and for syrups and extracts used in making the same. 301,307, Feb. 28, 1933. Republished Dec. 21. Class 45.

Karol, Irene Inc.: *See*—
La Vogue Dress Company, Incorporated.

Kellogg Corset Company, Jackson, Mich. Maternity belts, surgical supporting belts. 504,961, Dec. 21; Serial No. 530,828, published Sept. 14, 1948. Class 44.

King, J. B., & Co., New York, N. Y., by The United States Gypsum Company, Chicago, Ill. Plaster of Paris. 57,535, Nov. 13, 1906. Republished Dec. 21. Class 12.

King, J. B., & Co., New York, N. Y., by United States Gypsum Company, Chicago, Ill. Plaster of Paris and calcined plaster. 80,662, Jan. 17, 1911. Republished Dec. 21. Class 12.

Kleen-Stik Products, Inc., Chicago, Ill. Adhesive and gummed tape. 504,981, Dec. 21. Serial No. 532,939, published Mar. 30, 1948. Class 5.

Klein, D. Emil, Co., Inc., New York, N. Y. Cigars, cigarettes, cheroots, etc. 504,942, Dec. 21; Serial No. 529773, published Sept. 14, 1948. Class 17.

Klein, D. Emil, Co., Inc., New York, N. Y. Cigars and all-tobacco-cigarettes. 504,943. Dec. 21; Serial No. 529,775, published Sept. 14, 1948. Class 17.

Klein, D. Emil, Co., Inc., New York, N. Y. Cigars, cigarettes, and tobacco pipe mixtures. 504,944, Dec. 21; Serial No. 529,777, published Sept. 14, 1948. Class 17.

Klein, D. Emil, Co., Inc., New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco. 504,945, Dec. 21; Serial No. 529,781, published Sept. 14, 1948. Class 17.

Klein, D. Emil, Co., Inc., New York, N. Y. Cigars. 504,946, Dec. 21; Serial No. 529,782, published Sept. 14, 1948. Class 17.

Klein, D. Emil, Co., Inc., New York, N. Y. Cigars and all-tobacco cigarettes. 504,947. Dec. 21; Serial No. 529,785, published Sept. 14, 1948. Class 17.

Kling-Tite Paint Products Co., Chicago, Ill. Roof paints. 233,363, renewed Sept. 27, 1947. O. G. Dec. 21. Class 16.

Koepnick, Edward W., doing business as Allstate Engineering Service, Dayton, Ohio. Toy. 504,899, Dec. 21; Serial No. 507,985, published Aug. 17, 1948. Class 22.

Kohnstamm, R. & A. (London), Inc., New York, N. Y. Leather. 504,893, Dec. 21; Serial No. 496,319, published Sept. 7, 1948. Class 1.

Kommel, A., & Sons, New York, N. Y. Hosiery and underwear of knitted and textile fabrics. 190,013, Sept. 30, 1924. Amended. O. G. Dec. 21. Class 39.

Kranzberg, Max H., doing business as Chancellor Radio Company, New York, N. Y. Radio transformers and radio condensers. 414,188, May 29, 1945. Republished Dec. 21. Class 21.

Kranzberg, Max H., doing business as Chancellor Radio Company, New York, N. Y. Phonograph records and phonograph recording discs. 415,344, Aug. 7, 1945. Republished Dec. 21. Class 36.

Kroll, Harry D., doing business as Union Manufacturing Co., by Union Manufacturing Co., Los Angeles, Calif. Men's and boys' outer clothing. 262,381, Oct. 8, 1929. Republished Dec. 21. Class 39.

Kroydon Company, The, Hilton, to The Kroydon Company, Maplewood, N. J. Golf clubs, golf balls, golf bags, etc. 247,816, renewed Oct. 9, 1948. O. G. Dec. 21. Class 22.

Kuhls, H. B. Fred., by H. J. Kuhls, executrix of the estate of H. B. Fred. Kuhls, Brooklyn, N. Y. Plastic composition for filling seams in woodwork. 77,737, May 3, 1910. Republished Dec. 21. Class 16.

Kuhls, Hlema J., executrix of the estate of: *See*—
Kuhls, H. B. Fred.

Laher Spring and Tire Corporation, Oakland, Calif. Automobile storage batteries. 505,120, Dec. 21; Serial No. 530,519. Class 21.

Lane Company, Inc., The, Altavista, Va. Cedar wardrobes, cedar chifforobes, cedar closets, etc. 271,946, June 17, 1930. Republished Dec. 21. Class 32.

Lane Company, Inc., The, Altavista, Va. Cedar chests. 296,689, Aug. 16, 1932. Republished Dec. 21. Class 32.

Lane Company, Inc., The, Altavista, Va. Cedar wardrobes, cedar chifforobes, cedar closets, etc. 341,498, Dec. 8, 1936. Republished Dec. 21. Class 32.

Lane Publishing Co.: *See*—
Sunset Magazine, Inc.

Lange, M., Beauty Products: *See*—
Lange, Wilfred H.

Lange, Wilfred H., doing business as M. Lange Beauty Products, Rochester, N. Y. Shampoo. 505,082, Dec. 21; Serial No. 547,464, published Sept. 14, 1948. Class 6.

Langhaus, Morris., doing business as Sun-Ray Hair Preparations Co., New York, N. Y. Hair colors, hair tonics, lotions, etc. 441,638, Dec. 21; Serial No. 507,008, published Mar. 30, 1948. Class 6.

Lavino, E. J., and Company, Philadelphia, Pa. Refractory shapes or bricks. 504,912, Dec. 21; Serial No. 520,563, published Aug. 24, 1948. Class 12.

La Vogue Dress Company, Incorporated, by Irene Karol, Inc., St. Louis, Mo. Ladies', misses', and juniors' dresses. 363,457, Dec. 27, 1938. Republished Dec. 21. Class 39.

Lawrence Company, The: *See*—
Lawrence, Edith.

Lawrence, Edith, doing business as The Lawrence Company, Laguna Beach, Calif. Perfumes. 505,098, Dec. 21; Serial No. 552,248, published Sept. 14, 1948. Class 6.

Lea Manufacturing Company, The, Waterbury, Conn. Finishing compositions. 274,639, Sept. 2, 1930. Republished Dec. 21. Class 4.

Lea Manufacturing Company, The, Waterbury, Conn: Abrasive composition. 304,157, June 20, 1933. Republished Dec. 21. Class 4.

Lee, Guy, Leather Co., Inc., Philadelphia, Pa. Sole leather. 504,895, Dec. 21; Serial No. 502,441, published Sept. 7, 1948. Class 1.

Leedom & Wissler, Inc.: *See*—
Mannitone Corporation.

Legg, A. C., Packing Company, Inc., Birmingham, Ala. Sausage seasoning. 188,088, Aug. 19, 1924. Republished Dec. 21. Class 46.

Legg, A. C., Packing Company, Inc., Birmingham, Ala. Seasoning. 285,453, July 28, 1931. Republished Dec. 21. Class 46.

Legg, A. C., Packing Company, Inc., Birmingham, Ala. Seasoning. 286,124, Aug. 18, 1931. Republished Dec. 21. Class 46.

Lehn & Fink Products Corporation, Bloomfield, N. J. Soap. 505,102, Dec. 21; Serial No. 554,313, published Aug. 31, 1948. Class 4.

Lehon Company, The, Chicago, Ill. Asphalt roofing shingles. 505,023, Dec. 21; Serial No. 538,014, published July 20, 1948. Class 12.

Levin Brothers, by Dainty Dot Hosiery, Boston, Mass. Ladies' knitted hosiery and underwear. 261,233, Sept. 10, 1929. Republished Dec. 21. Class 39.

Levin & Co., by Levin & Co., assignor to Levin & Co., Inc., New York, N. Y. Aprons, hooverettes, housedresses, etc. 343,266, Feb. 16, 1937. Republished Dec. 21. Class 39.

Levin & Co., Inc., assignee: *See*—
Levin & Co.

Lewis Asphalt Engineering Corporation, New York, N. Y. and Clark, N. J. Waterproofing asphalt, cotton cloth saturated with hot asphalt, etc. 504,969, Dec. 21; Serial No. 531,224, published Aug. 31, 1948. Class 12.

Lewis, Peter, doing business as Jolly Roger Company, Portland, Oreg. Toy sailboats. 441,658, Dec. 21; Serial No. 518,084, published Aug. 17, 1948. Class 22.

Lichtman, J., & Sons, Newark, N. J. Leather. 327,138, Aug. 20, 1935. Republished Dec. 21. Class 1.

Likins, P. F., doing business as P. F. Likins Co., Chula Vista, Calif. Fresh vegetables. 505,113, Dec. 21; Serial No. 510,847. Class 46.

Likins, P. F., Company: *See*—
Likins, P. F.

Linde Air Products Company, The, New York, N. Y. Refrigeration apparatus. 441,626, Dec. 21; Serial No. 486,625, published Sept. 7, 1948. Class 31.

Lindsay, Robert Z.: *See*—
Becker, Napoleon C.

Logan-Long Company, The, Chicago, Ill. Prepared roll roofing. 248,065, renewed Oct. 16, 1948. O. G. Dec. 21. Class 12.

Lorillard, P., Company, New York, N. Y. Cigarettes. 505,017, Dec. 21; Serial No. 536,912, published Sept. 14, 1948. Class 17.

Lovera, Jose, Co., by Consolidated Cigar Corporation, New York, N. Y. Cigars. 59,354, Jan. 8, 1907. Republished Dec. 21. Class 17.

Lutz & Schramm Co., by Lutz & Schramm Inc., Pittsburgh, Pa. Chilli sauce, pepper-sauce, strawberry preserves, etc. 81,345, Mar. 28, 1911. Republished Dec. 21. Class 46.

Lutz & Schramm Inc.: *See*—
Lutz & Schramm Co.

Lyon Metal Products, Incorporated: *See*—
Lyon Metallic Manufacturing Company.

Lyon Metallic Manufacturing Company, Montgomery, by Lyon Metal Products, Incorporated, Aurora, Ill. Metal boxes, lockers and tool-boxes. 99,326, Aug. 25, 1914. Republished Dec. 21. Class 2.

Macy, R. H., & Co., Inc., New York, N. Y. Lawn mowers. 252,368, renewed Feb. 5, 1949. O. G. Dec. 21. Class 23.

Macy, R. H., & Co., Inc., New York, N. Y. Morning dresses for women and misses. 252,932, renewed Feb. 19, 1949. O. G. Dec. 21. Class 39.

Major, J.: *See*—
Schaeffer, Charles.

Makse, Bernadette B.: *See*—
Becker, Napoleon C.

Malvern Brick and Tile Company, Malvern, Ark. Fire brick. 505,011, Dec. 21; Serial No. 536,262, published Aug. 17, 1948. Class 12.

Mannhelmer, Carl, doing business as Grill-Craft Company, St. Paul, Minn. Cooking apparatus in the form of charcoal and wood burners and grills. 504,938, Dec. 21; Serial No. 528,808, published Aug. 24, 1948. Class 34.

Mannitone Corporation, Philadelphia, Pa., now by change of name to Leedom & Wissler, Inc. Brand of mannitol hexanitrate. 441,629, Dec. 21; Serial No. 490,500, published Feb. 26, 1946. Class 6.

Marblehead Lime Company, by Marblehead Lime Company, Chicago, Ill. Lime. 97,258, May 26, 1914. Republished Dec. 21. Class 12.

Marblehead Lime Company, Chicago, Ill. White lime and hydrated lime. 277,606, Nov. 18, 1930. Republished Dec. 21. Class 12.

Marcalus Manufacturing Co. Inc.: *See*—
Parker-Young Company, The.

Margaret Ann Super Markets, Inc.: *See*—
Southern Food Stores, Inc.

Mar-O-Bar Company: *See*—
Mars Incorporated.

Marquette Cement Manufacturing Company: *See*—
Hawkeye Portland Cement Company.

Mars Incorporated, doing business as Mar-O-Bar Company, Minneapolis, Minn., by Mars, Incorporated, Chicago, Ill. Candy. 239,311, Feb. 28, 1928. Republished Dec. 21. Class 46.

Mars, Incorporated, by Mars, Incorporated, Chicago, Ill. Whole eggs. 298,137, Oct. 11, 1932. Republished Dec. 21. Class 46.

Mars, Incorporated, by Mars, Incorporated, Chicago, Ill. Egg whites. 298,138, Oct. 11, 1932. Republished Dec. 21. Class 46.

Mars, Incorporated, by Mars, Incorporated, Chicago, Ill. Egg yolks. 298,139, Oct. 11, 1932. Republished Dec. 21. Class 46.

Mars, Incorporated, by Mars, Incorporated, Chicago, Ill. Candy. 298,995, Nov. 15, 1932. Republished Dec. 21. Class 46.

Mars, Incorporated, by Mars, Incorporated, Chicago, Ill. Candy. 304,055, June 20, 1933. Republished Dec. 21. Class 46.

Mars, Incorporated, Chicago, Ill. Candy. 308,958, Dec. 26, 1933. Republished Dec. 21. Class 46.

Mars, Incorporated, Chicago, Ill. Candy. 316,733, Sept. 4, 1934. Republished Dec. 21. Class 46.

Mars, Incorporated, Chicago, Ill. Candy. 343,146, Feb. 9, 1937. Republished Dec. 21. Class 46.

Mars, Incorporated, Chicago, Ill. Candy. 351,130, Oct. 19, 1937. Republished Dec. 21. Class 46.

Mars, Incorporated, Chicago, Ill. Candy. 353,936, Jan. 25, 1938. Republished Dec. 21. Class 46.

Mars, Incorporated, Chicago, Ill. Candy. 357,600, June 7, 1938. Republished Dec. 21. Class 46.

Mars, Incorporated, Chicago, Ill. Candy. 377,211, Apr. 23, 1940. Republished Dec. 21. Class 46.

Mars, Incorporated, Chicago, Ill. Candy bars. 412,319, Feb. 27, 1945. Republished Dec. 21. Class 46.

Mars, Incorporated, Chicago, Ill. Candy bars. 414,933, July 3, 1945. Republished Dec. 21. Class 46.

Mars, Incorporated, Chicago, Ill. Periodical published monthly. 415,810, Aug. 14, 1945. Republished Dec. 21. Class 38.

Marsh Stencil Machine Company, Belleville, Ill. Oiled stencil board. 505,063, Dec. 21; Serial No. 542,220, published Sept. 14, 1948. Class 37.

Martin Cantine Company, The, Saugerties, N. Y. Enameled book paper. 193,992, Jan. 13, 1925. Republished Dec. 21. Class 37.

Martin, J. B., Company, Norwich, Conn. Pile-fabric piece goods. 255,262, renewed Apr. 16, 1949. O. G. Dec. 21. Class 42.

Martin Oven Company, Inc., Rochester, N. Y. Baking stoves. 504,949, Dec. 21; Serial No. 530,091, published Aug. 24, 1948. Class 34.

Marvin, W. H., Company, The, Urbana, Ohio. Dried currants and mincemeat. 231,677–8, Aug. 23, 1927. Republished Dec. 21. Class 46.

Marvin, W. H., Company, The, Urbana, Ohio. Dried currants, dates, mincemeat, etc. 232,979, Sept. 20, 1927. Republished Dec. 21. Class 46.

Marvin, W. H., Company, The, Urbana, Ohio. Dried currants. 303,773, June 6, 1933. Republished Dec. 21. Class 46.

Marx, Martin, doing business as Novo Picture Company, New York, N. Y. Educational toy. 441,657, Dec. 21; Serial No. 515,440, published Aug. 17, 1948. Class 22.

Maryland Container Company, The, Baltimore, Md. Corrugated fibreboard shipping boxes, cartons, and cases. 429,060, Apr. 16, 1947. Republished Dec. 21. Class 2.

Masonic Service Association of the United States, The, Washington, D. C. Monthly publication in the form of a bulletin. 504,950, Dec. 21; Serial No. 530,093, published Aug. 3, 1948. Class 38.

Masonite Corporation, Chicago, Ill., and Laurel, Miss. Fiber board, thermal insulating board, composite board, etc. 505,038, Dec. 21; Serial No. 539,823, published Aug. 24, 1948. Class 12.

Mathes, James M., doing business as Durham Peanut Products Company, Durham, N. C. Salted peanuts. 441,632, Dec. 21; Serial No. 497,672, published Sept. 21, 1948. Class 46.

Maurella Products Company: *See*—
Handman, Maurice.

Maxcy, L., Inc.: *See*—
Florida Fruit Canners, Inc.

May Department Stores Company, The: *See*—
Beacon Manufacturing Company.

Mayflower Manufacturing Company, Dallas, Tex. Gift wrappings. 441,825, Dec. 21; Serial No. 506,825, published Sept. 14, 1948. Class 37.

McHenry-Millhouse Mfg. Co., South Bend, Ind., by United States Gypsum Company, Chicago, Ill. Asphalt roofing shingles. 221,319, Nov. 30, 1926. Republished Dec. 21. Class 12.

Meadows Corporation, The, by Thor Corporation, Chicago, Ill. Ironing machines. 377,161, Apr. 23, 1940. Republished Dec. 21. Class 24.

Meadows Manufacturing Co., The, Bloomington, by Thor Corporation, Chicago, Ill. Washing machines. 226,309, Apr. 5, 1927. Republished Dec. 21. Class 24.

Mechanical Home Systems, Incorporated, Chicago, Ill. Gas fired units. 504,935, Dec. 21; Serial No. 528,218, published Aug. 24, 1948. Class 34.

Melflex Products Company: *See*—
Warford, L. E.

Metal Textile Corporation, West Orange, N. J. Handle mounted pot cleaners. 505,073, Dec. 21; Serial No. 546,008, published Aug. 31, 1948. Class 4.

Mexico Refractories Company, Mexico, Mo. Firebrick. 505,061, Dec. 21; Serial No. 542,038, published Sept. 7, 1948. Class 12.

Mexico Refractories Company, Mexico, Mo. Firebrick. 505,062, Dec. 21; Serial No. 542,042, published Sept. 7, 1948. Class 12.

Meyer, J. Frank, doing business as Exhibit Supply Co., by Exhibit Supply Company, Chicago, Ill. Picture post cards, picture cards for vending machines, and cards for vending machines. 271,919, June 17, 1930. Republished Dec. 21. Class 38.

Meyer, John F., doing business as The Exhibit Supply Company, by Exhibit Supply Company, Chicago, Ill. Coin-operated amusement machines. 291,378, Feb. 9, 1932. Republished Dec. 21. Class 22.

Meyer, John F., doing business as Exhibit Supply Company, by Exhibit Supply Company, Chicago, Ill. Slot machines. 316,662, Aug. 28, 1934. Republished Dec. 21. Class 22.

Micket, John P., doing business as Torrington Mattress Co., Torrington, Conn. Mattresses, box springs, studio beds, and sofa beds. 441,655, Dec. 21; Serial No. 513,944, published Sept. 14, 1948. Class 32.

Midland Cooperative Dairy Ass'n., Shawano, Wis. Evaporated milk. 419,524, Feb. 19, 1946. Republished Dec. 21. Class 46.

Midland Flour Milling Co.: *See*—
Newton Milling & Elevator Co., The.

Midland Flour Milling Co., The: *See*—
Slater Mill & Elevator Company.

Midway Chemical Company, Chicago, Ill., to Boyle-Midway Inc., Jersey City, N. J., and New York, N. Y. Dust mops and polish mops. 250,427, renewed Dec. 11, 1948. O. G Dec. 21. Class 29.

Midwest Metal Stamping Company: *See*—
One Minute Washer Company.

Midwest Metal Stamping Company, Kellogg, Iowa. Miscellaneous metal stampings. 348,085, July 13, 1937. Republished Dec. 21. Class 14.

Miller Bros. Packaged Foods Co., Chicago, Ill. Nut meats and spices. 441,649–50, Dec. 21; Serial Nos. 511,404–5, published Sept. 21, 1948. Class 46.

Miller, Marie R.: *See*—
Hoffman, George W.

Miller, Walter W., Company, The: *See*—
Hoffman, George W.

Mills, James W., Jr., also doing business as Pur-O-Breath Co., Auburn, Ala. Breath purifying tablets. 505,108, Dec. 21; Serial No. 498,301. Class 6.

Minnesota Consolidated Canneries, Inc., Minneapolis, Minn. Canned vegetables. 505,012, Dec. 21; Serial No. 536,268, published Sept. 14, 1948. Class 46.

Mitchell Brothers Limited, Glasgow, Scotland. Blended Scotch whiskies. 73,476, Apr. 20, 1909. Republished Dec. 21. Class 49.

Mitchell Brothers Limited, Glasgow, Scotland. Blended whisky. 90,561, Mar. 4, 1913. Republished Dec. 21. Class 49.

Mitchell Brothers Limited, Glasgow, Scotland. Whisky. 313,425, May 29, 1934. Republished Dec. 21. Class 49.

Monarch Soap & Chemical Co., Minneapolis, Minn. Wetting agent. 505,059, Dec. 21; Serial No. 541,869, published Sept. 14, 1948. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 504,909, Dec. 21; Serial No. 518,552, published Aug. 31, 1948. Class 1.

Morse Chain Company, Ithaca, N. Y., and Detroit, Mich. Machinery shaft couplings. 319,489, Nov. 27, 1934. Republished Dec. 21, 1948. Class 23.

Morton S. Pine Co., The, Cleveland, Ohio. Cleaning preparation. 433,972, Nov. 4, 1947. Republished Dec. 21. Class 4.

Mount Gay Distilleries, Ltd.: *See*—
Saccone, Speed & Jenney, Inc.

Mule Battery Mfg. Co.: *See*—
Setzer, Albert.

Mullins Manufacturing Corporation, Salem and Warren, Ohio. Advertising leaflets. 441,623, Dec. 21; Serial No. 476,877, published Aug. 31, 1948. Class 38.

Mus-Ed Record Co., San Francisco, Calif. Books. 505,053, Dec. 21; Serial No. 541,319, published Aug. 31, 1948. Class 38.

N. V. Betonfabriek de Meteoor, Rheden, Netherlands. Steel anchor plates and concrete blocks. 504,995, Dec 21; Serial No. 534,235, published Aug. 24, 1948. Class 12.

Nachman Corporation, Chicago, Ill. Spring assemblies for upholstery. 505,115, Dec. 21; Serial No. 513,329. Class 32.

Napa & Sonoma Wine Co., by California Cellars, San Francisco, Calif. Wines. 395,601, June 2, 1942. Republished Dec. 21. Class 47.

Napa & Sonoma Wine Co., by California Cellars, San Francisco, Calif. Brandy. 396,809, Aug. 4, 1942. Republished Dec. 21. Class 49.

Napp, H. R., Limited, London, England. Medicinal tonic preparations. 399,407, Jan. 5, 1943. Republished Dec. 21. Class 6.

Natchez Baking Company: *See*—
Simon, Leo.

National Engineering & Equipment Company, Providence, R. I. Waste heat economizers. 505,058, Dec. 21; Serial No. 541,694, published Sept. 7, 1948. Class 34.

National Licorice Company, Brooklyn, N. Y. Stick licorice, licorice chewing gum, and licorice wafers. 88,935, Oct. 29, 1912. Republished Dec. 21. Class 46.

National Licorice Co., Brooklyn, N. Y. Confectionery. 116,153, Apr. 10, 1917. Republished Dec. 21. Class 46.

National Licorice Company, Brooklyn, N. Y. Licorice candy. 272,101, July 1, 1930. Republished Dec. 21. Class 46.

National Licorice Company, Brooklyn, N. Y. Candy. 274,352, Aug. 26, 1930. Republished Dec. 21. Class 46.

National Licorice Company, Brooklyn, N. Y. Candy and licorice. 291,110, Jan. 26, 1932. Republished Dec. 21. Class 46.

National Licorice Company, Brooklyn, N. Y. Licorice candy. 356,117, Apr. 12, 1938. Republished Dec. 21. Class 46.

National Licorice Company, Brooklyn, N. Y. Licorice candy. 359,280, Aug. 9, 1938. Republished Dec. 21. Class 46.

National Music Publishing Corp., New York, N. Y. Sheet music. 430,788, June 24, 1947. Republished Dec. 21. Class 38.

National Tea Co., Chicago, Ill. Bakery products. 251,146, renewed Jan. 1, 1949. O. G. Dec. 21. Class 46.

National Wax Company, Chicago, Ill. Compounded petroleum wax. 505,046, Dec. 21; Serial No. 540,441, published Sept. 14, 1948. Class 1.

Nekoosa-Edwards Paper Company, Port Edwards, Wis. Bond, ledger, and duplicating paper. 504,990, Dec. 21; Serial No. 533,599, published Sept. 14, 1948. Class 37.

Nekoosa-Edwards Paper Company, Port Edwards, Wis. Bond, ledger, and duplicating paper. 504,991, Dec. 21; Serial No. 533,601, published Sept. 14, 1948. Class 37.

New Home Sewing Machine Co., The, New York, N. Y. Sewing machines. 216,809, Aug. 24, 1926. Corrected. O. G. Dec. 21. Class 23.

Newton Milling & Elevator Co., The, Newton, Kans., by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 58,411, Dec. 11, 1906. Republished Dec. 21. Class 46.

Newton Milling & Elevator Co., The, Newton, Kans., by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 117,583, July 17, 1917. Republished Dec. 21. Class 46.

Newton Washer Co.: *See*—
One Minute Washer Company.

New York Lubricating Oil Company, New York, N. Y. Lubricating greases and lubricating oils. 72,380, Jan. 19, 1909. Republished Dec. 21. Class 15.

Niagara Blower Company, Buffalo, N. Y. Condensers. 343,250, Feb. 16, 1937. Republished Dec. 21. Class 34.

Niagara Blower Company, Buffalo, N. Y. Blower type evaporative heat exchangers. 408,162, July 25, 1944. Republished Dec. 21. Class 34.

Nickles, Alfred, Bakery, Inc.: *See*—
Simon, Leo.

Nina Doll Co.: *See*—
Clark, Alice L.

Nissen, John P., Company, Glenside, Pa. Textile ink. 505,119, Dec. 21; Serial No. 430,240. Class 11.

Non Pareil Publishing Corporation, New York, N. Y. Magazine or publication. 441,651, Dec. 21; Serial No. 511,634, published Sept. 7, 1948. Class 38.

Noreen, Inc., Denver, Colo. Hair coloring rinses. 505,052, Dec. 21; Serial No. 541,169, published Sept. 7, 1948. Class 6.

Norfolk Packing Co., Norfolk, Nebr., by Tolerton & Warfield Co., Sioux City, Iowa. Canned vegetables. 102,928, Mar. 2, 1915. Republished Dec. 21. Class 46.

Norgine Laboratories, Inc., New York, N. Y. Medicinal preparation for the treatment of indigestion. 505,088, Dec. 21; Serial No. 551,576, published Sept. 14, 1948. Class 6.

Norma Company of America, The, by Norma-Hoffmann Bearings Corporation, New York, N. Y. Ball bearings and roller bearings and their parts. 107,501, Dec. 7, 1915. Republished Dec. 21. Class 23.

Norma-Hoffmann Bearings Corporation: *See*—
Norma Company of America, The.

North Bros. Mfg. Co., Philadelphia, Pa., by The White Mountain Freezer Company, Inc., Nashua, N. H. Ice cream freezers. 64,041, July 23, 1907. Republished Dec. 21. Class 31.

Northrup, King & Co., Minneapolis, Minn., and Berkeley, Calif. Grass seeds. 504,918, Dec. 21; Serial No. 522,500, published Aug. 24, 1948. Class 1.

Northwestern States Portland Cement Company, Mason City, Iowa. Air-entraining Portland cement. 504,905, Dec. 21; Serial No. 515,445, published Aug. 17, 1948. Class 12.

Northwestern States Portland Cement Company, Mason City, Iowa. Portland cement and mason's cement. 504,906, Dec. 21; Serial No. 515,446, published Aug. 24, 1948. Class 12.

Norwalk Razor & Blade Co.: *See*—
Osiecky, William.

Novo Picture Company: *See*—
Marx, Martin.

Nowy Swiat Publishing Company, Inc., New York, N. Y. Daily newspaper. 229,494, June 28, 1927. Republished Dec. 21. Class 38.

Oetjen Cordes, doing business as Atlanta Sales Company, Atlanta, Ga. Cover for fisherman's casting rod handle and reel. 505,125, Dec. 21; Serial No. 538,804. Class 22.

Ohio Match Company, The, by The Ohio Match Company, Wadsworth, Ohio. Friction matches. 41,599, Dec. 8, 1903. Republished Dec. 21. Class 9.

Ohio Salt Company, The, Wadsworth, Ohio, to Worcester Salt Company, New York, N. Y. Salt. 248,268, renewed Oct. 16, 1948. O. G. Dec. 21. Class 46.

Oil-Elec-Tric Company: *See*—
Johnson, Clark E.

Oil Workers International Union, Fort Worth, Tex. Gasoline, motor oils, lubricating greases, etc. 371,187, Sept. 19, 1939. Republished Dec. 21. Class 15.

Olafsen Vitamins, Inc.: *See*—
Valentine Laboratories, Inc.

Olafsen Vitamins, Inc., Chicago, Ill. Vitamin preparation for internal use. 411,392, Jan. 16, 1945. Republished Dec. 21. Class 6.

One Minute Washer Company, doing business as Newton Washer Co., Newton, by Midwest Metal Stamping Company, Kellogg, Iowa. Laundry washing machines. 305,578, Aug. 22, 1933. Republished Dec. 21. Class 24.

Onondaga Silk Co., Inc., Syracuse and New York, to Onondaga Silk Co., Inc., New York, N. Y. Silk fabrics in the piece. 249,923–4, renewed Nov. 27, 1948. O. G. Dec. 21. Class 42.

Onondaga Silk Co., Inc., Syracuse and New York, to Onondaga Silk Co., Inc., New York, N. Y. Silk fabrics in the piece. 250,108, renewed Nov. 27, 1948. O. G. Dec. 21. Class 42.

Onsrud Machine Works, Inc., Chicago, Ill. Routing machines, bending machines, and gluing machines. 360,044, Sept. 6, 1938. Republished Dec. 21. Class 23.

Oregon Dairymen's Cooperative League, The, Portland, by Coos Bay Mutual Creamery Company, Coos Bay, Oreg. Food and ingredients for foods. 159,975, Oct. 10, 1922. Republished Dec. 21. Class 46.

Orosi Foothill Citrus Association, Orosi, Calif. Fresh citrus fruits. 417,505, Oct. 30, 1945. Republished Dec. 21. Class 46.

Oslecky, William, doing business as Norwalk Razor & Blade Co., Newark, N. J. Razor blades. 432,957, Sept. 23, 1947. Republished Dec. 21. Class 23.

Owen, R. C., Company, Gallatin, Tenn. Chewing tobacco. 504,916, Dec. 21; Serial No. 521,275, published Sept. 14, 1948. Class 17.

Pack, Karl M.: *See*—
Western Pharmacal Company.

Palm Brothers Decalcomania Company, The, Cincinnati, Ohio. Decalcomanias. 505,002, Dec. 21; Serial No. 535,507, published Sept. 14, 1948. Class 38.

Palm Brothers Decalcomania Company, The, Cincinnati, Ohio. Decalcomanias. 505,003, Dec. 21; Serial No. 535,598, published Sept. 7, 1948. Class 38.

Palmer Candy Company: *See*—
Palmer Candy Co.

Palmer Candy Co., by William B. Palmer, Jr., co-trustee of Estate of W. B. Palmer, deceased, doing business as Palmer Candy Company, Sioux City, Iowa. Candy. 186,798, July 22, 1924. Republished Dec. 21. Class 46.

Palmer, William B., Jr., co-trustee of estate of W. B. Palmer, deceased: *See*—
Palmer Candy Co.

Panel-Ette Corporation, The, New Orleans, La. Veneer covered panel board. 505,114, Dec. 21; Serial No. 511,494. Class 12.

Pan-Pacific Fisheries, Inc.: *See*—
Sardamack Fisheries, Inc.

Parker-Young Company, The, Boston, Mass., by Marcalus Manufacturing Co. Inc., East Paterson, N. J. Bond paper. 301,382, Feb. 28, 1933. Republished Dec. 21. Class 37.

Pearce Metal Products, Incorporated, Youngstown, Ohio. Metal awnings. 505,008, Dec. 21; Serial No. 536,129, published Aug. 17, 1948. Class 12.

Pearson Pharmacal Company, Inc., New York, N. Y. Ingredient in deodorants, anti-perspirants, and toiletries. 505,079, Dec. 21; Serial No. 547,274, published Aug. 17, 1948. Class 6.

Pelphrey, H. F., & Son, Los Angeles, Calif. Quick frozen California domestic rabbit. 383,049, Nov. 19, 1940. Republished Dec. 21. Class 46.

Peltier, Jennie D.: *See*—
Duncan, William D.

Perr, Sherman, Newark, N. J. Gentlemen's toiletries. 441,642, Dec. 21; Serial No. 508,001, published July 1, 1947. Class 6.

Peterson Filters and Engineering Co., Salt Lake City, Utah. Mechanical liquid filtering equipment for general industrial operations and replacement parts therefor. 441,620, Dec. 21; Serial No. 461,419, published Sept. 30, 1947. Class 31.

Pharma-Craft Corporation, The, New York, N. Y. Medicated ointment. 505,096, Dec. 21; Serial No. 551,816, published Sept. 14, 1948. Class 6.

Pittsburgh Gage & Supply Company, The, Pittsburgh, Pa., by Thor Corporation, Chicago, Ill. Laundry washing-machines, wringers, and mangles. 109,950, Apr. 25, 1916. Republished Dec. 21. Class 24.

Planters Nut and Chocolate Co., Wilkes-Barre, Pa. Candy. 231,636, Aug. 23, 1927. Republished Dec. 21. Class 46.

Planters Nut and Chocolate Co., Wilkes-Barre, Pa. Chocolate-covered peanuts. 237,034, Jan. 3, 1928. Republished Dec. 21. Class 46.

Plastic Coating Corporation, The, Holyoke, Mass. Coated cover and label papers. 504,941, Dec. 21; Serial No. 529,403, published Sept. 7, 1948. Class 37.

Plafka, R. T., Fuels, Inc., Burlington, Vt. Coal. 504,910–11, Dec. 21; Serial Nos. 519,978–9, published Sept. 7, 1948. Class 1.

Ploeger-Abbott Company, The: *See*—
Sea Island Canning Co.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Handbags, purses, pocketbooks, and wallets. 505,111, Dec. 21; Serial No. 509,463. Class 3.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Umbrellas. 505,112, Dec. 21; Serial No. 509,467. Class 41.

Pointer Hosiery Co., by Adams-Millis Corporation, High Point, N. C. Men's half hose. 194,494, Jan. 27, 1925. Republished Dec. 21. Class 39.

Polumbaum, Richard, doing business as Richard Polumbaum Company, New York, N. Y. Pins, earrings, pendants, etc. 411,411, Jan. 16, 1945. Republished Dec. 21. Class 28.

Polumbaum, Richard, Company: *See*—
Polumbaum, Richard.

Pomona Products Co.: *See*—
California Packing Corporation.

Porter Clothing Co., Inc., New Orleans, La., by Schloss Bros. & Co., Inc., Baltimore, Md. Men's clothing. 269,758, Apr. 15, 1930. Republished Dec. 21. Class 39.

Precision-Cosmet Company, Inc.: *See*—
Contact Lens Service, Inc.

Prill, Edward, & Sons, assignor to Prill Silver Company, Inc., by Prill Silver Company, Inc., New York, N. Y. Hollow ware, flatware, and silver ware. 424,634, Oct. 15, 1946. Republished Dec. 21. Class 28.

Prill Silver Company, Inc., assignee: *See*—
Prill, Edward, & Sons.

Profile Company, Inc., Chicago, Ill. Chin straps. 505,021, Dec. 21; Serial No. 537,501, published Sept. 14, 1948. Class 44.

Protected Metal Company, The, Canton, Mass., by H. H. Robertson Company, Pittsburgh, Pa. Metal sheets covered with asbestos. 57,415, Nov. 13, 1906. Republished Dec. 21. Class 12.

Protected Metal Company, The, Canton, Mass., by H. H. Robertson Company, Pittsburgh, Pa. Metal sheets covered with asbestos. 57,472, Nov. 13, 1906. Republished Dec. 21. Class 12.

Pulitzer Publishing Company, The, St. Louis, Mo. Newspaper. 377,977, May 21, 1940. Republished Dec. 21. Class 38.

Pure Oil Company, The, Chicago, Ill. Chemical compounds and substances. 505,029, Dec. 21; Serial No. 538,812, published Sept. 7, 1948. Class 6.

Pur-O-Breath Co.: *See*—
Mills, James W., Jr.

Quaker City Chocolate & Confectionery Co., Philadelphia, Pa. Candy. 243,197, June 12, 1928. Republished Dec. 21. Class 46.

Quaker Rubber Corporation, Philadelphia, Pa. Belting, air brake hose, air drill hose, etc. 403,672, Oct. 12, 1943. Republished Dec. 21. Class 35.

R. & J. Underwear Company, Inc.: *See*—
R. & J. Waist Company, The.

R. & J. Waist Company, The, New London, Conn., by R. & J. Underwear Company, Inc., New York, N. Y., and New London, Conn. Children's waists and shirts. 171,718, Aug. 14, 1923. Republished Dec. 21. Class 39.

Rand McNally and Company, Chicago, Ill. Books. 504,917, Dec. 21; Serial No. 521,926, published Sept. 7, 1948. Class 38.

Ranger Seafood, Inc., Buena Park, Calif. Canned tuna fish. 504,972, Dec. 21; Serial No. 531,716, published Sept. 21, 1948. Class 46.

Rankin, Edith M., Lexington, Ky. Stationery. 505,001, Dec. 21; Serial No. 535,181, published Sept. 7, 1948. Class 37.

Ranney Refrigerator Company, Greenville, Mich. Household electric refrigerators. 504,982, Dec. 21; Serial No. 532,960, published Sept. 7, 1948. Class 31.

Rapid City Packing Company, to Black Hills Packing Co., Rapid City, S. Dak. Smoked meats, cooked meats, smoked and fresh. 249,873, renewed Nov. 20, 1948. O. G. Dec. 21. Class 46.

Raybestos-Manhattan, Inc., Passaic, N. J. Bowling balls. 504,974, Dec. 21; Serial No. 532,057, published Aug. 17, 1948. Class 22.

Red Dot Foods, Inc., assignee: *See*—
Howard, W. S., Company.

Red Rock Company: *See*—
Reynolds, R. J., Jr.

Reed & Carnrick, Jersey City, N. J. Antiseptic and detergent medical compound. 20,193, Oct. 6, 1891. Republished Dec. 21. Class 6.

Reilly-Whiteman-Walton Company, Conshohocken, Pa. Fatty oils. 433,573, Oct. 21, 1947. Republished Dec. 21. Class 4.

Reynolds Manufacturing Company, The, Holyoke, Mass. Stenographers' books, note-books, composition and writing books. 504,964, Dec. 21; Serial No. 530,960, published Sept. 7, 1948. Class 37.

Reynolds, R. J., Jr., assignor to Hep, Inc., by Red Rock Company, Atlanta, Ga. Nonalcoholic maltless beverage and concentrate for making the same. 399,930, Feb. 9, 1943. Republished Dec. 21. Class 45.

Rhinelander Paper Company, Rhinelander, Wis. Wrapping paper. 504,992, Dec. 21; Serial No. 533,619, published Sept. 14, 1948. Class 37.

Rhoads, J. E., & Sons, Philadelphia, Pa. Leather belting. 252,896, renewed Feb. 19, 1949. O. G. Dec. 21. Class 35.

Richards-Wilcox Manufacturing Company, Aurora, Ill. Sheet steel doors. 504,928, Dec. 21; Serial No. 527,185, published Aug. 17, 1948. Class 12.

Robertson, H. H., Company: *See*—
Protected Metal Company, The.

Robertson, H. H., Company, Pittsburgh, Pa. Protected metal sheets. 153,293, Mar. 14, 1922. Republished Dec. 21. Class 12.

Robertson, H. H., Company, Pittsburgh, Pa. Asphalts and compositions embodying asphalts and like bituminous materials. 210,557, Mar. 16, 1926. Republished Dec. 21. Class 1.

Robertson, H. H., Company, Pittsburgh, Pa. Skylights and windows in roof and siding material. 238,812, Feb. 14, 1928. Republished Dec. 21. Class 12.

Robertson, H. H., Company, Pittsburgh, Pa. Protected metal articles. 347,781, July 6, 1937. Republished Dec. 21. Class 12.

Robertson, H. H., Company, Pittsburgh, Pa. Building cement. 365,535, Mar. 14, 1939. Republished Dec. 21. Class 12.

Robertson, H. H., Company, Pittsburgh, Pa. Cellular steel beam units. 395,248, May 19, 1942. Republished Dec. 21. Class 12.

Robertson, H. H., Company, Pittsburgh, Pa. Building cement. 405,119, Jan. 11, 1944. Republished Dec. 21. Class 12.

Robertson, H. H., Company, Pittsburgh, Pa. Paints. 425,236, Nov. 12, 1946. Republished Dec. 21. Class 16.

Robertson, John, & Son, Limited, Leith, Scotland. Scotch whisky. 63,050, June 4, 1907. Republished Dec. 21. Class 49.

Robertson, John, & Son Limited, Leith, Scotland. Scotch whisky. 389,969, Sept. 2, 1941. Republished Dec. 21. Class 49.

Roerig, J. B., and Company, Chicago, Ill. Medicinal preparation containing oxbile and vitamins. 504,965, Dec. 21; Serial No. 531,150, published Aug. 24, 1948. Class 6.

Roerig, J. B., and Company, Chicago, Ill. Medicinal preparation containing natural fish liver oil. 504,966, Dec. 21; Serial No. 531,151, published Aug. 24, 1948. Class 6.

Roerig, J. B., and Company, Chicago, Ill. Medicinal preparation containing vitamin. 504,967, Dec. 21; Serial No. 531,152, published Aug. 24, 1948. Class 6.

Rogers Peet Company, New York, N. Y. Men's and boys' suits, sport jackets, slacks, etc. 433,468, Oct. 14, 1947. Republished Dec. 21. Class 39.

Roly Poly Co., The: *See*—
Brown, James F.

Romanoff Caviar Company, New York, N. Y. Imported Russian sturgeon caviar. 307,758, Oct. 31, 1933. Republished Dec. 21. Class 46.

Romanoff Caviar Company, New York, N. Y. Bouillon cubes. 390,287, Sept. 16, 1941. Republished Dec. 21. Class 46.

Romanoff Caviar Company, New York, N. Y. Powdered gravy mix, powdered soup mixes, granulated bouillon cubes, etc. 417,616, Nov. 6, 1945. Republished Dec. 21. Class 46.

Rosefield Packing Company, Ltd., Alameda, Calif. Peanut butter. 504,940, Dec. 21; Serial No. 529,307, published July 6, 1948. Class 46.

Rosenberg Bros. & Co., by Rosenberg Bros. & Co., San Francisco, Calif. Figs. 84,413, Dec. 12, 1911. Republished Dec. 21. Class 46.

Rosenberg Bros. & Co., by Rosenberg Bros. & Co., San Francisco, Calif. Dried fruits. 86,670, May 21, 1912. Republished Dec. 21. Class 46.

Rosenberg Bros. & Co., San Francisco, Calif. Rice and rice flour. 180,019, Feb. 19, 1924. Republished Dec. 21. Class 46.

Rosenberg Bros. & Co., San Francisco, Calif. Dried raisins. 260,184, Aug. 20, 1929. Republished Dec. 21. Class 46.

Rosenblatt, Albert, & Sons, Inc., New York, N. Y. Women's, misses', and children's dresses. 255,040, renewed Apr. 9, 1949. O. G. Dec. 21. Class 39.

Rose Valley Produce Company, Woodland, Calif. Fresh deciduous fruits, fresh vegetables, and fresh melons. 432,085, Aug. 19, 1947. Republished Dec. 21. Class 46.

Rose Valley Produce Company, Woodland, Calif. Fresh deciduous fruits, fresh vegetables, and fresh melons. 432,235, Aug. 26, 1947. Republished Dec. 21. Class 46.

Ross-Meehan Foundries, Chattanooga, Tenn. Stoves. 505,054, Dec. 21; Serial No. 541,463, published Sept. 7, 1948. Class 34.

Rothschild, Lee, doing business as Corona Soapcrafters, Redlands, Calif. Bar soap in packaged form. 505,083, Dec. 21; Serial No. 547,770, published Aug. 31, 1948. Class 4.

Royal Kings Row Products: *See*—
Di Giovanni, Mary.

Royal Oporto Wine Company: *See*—
Companhia Geral Da Agricultura Das Vinhas Do Alto Douro.

Saccone, Speed & Jenncy, Inc., New York, N. Y., by Mount Gay Distilleries, Ltd., Bridgetown, Barbados, British West Indies. Rum. 363,448, Dec. 27, 1938. Republished Dec. 21. Class 49.

St. Nick's Workshop, Inc., Chicago, Ill. Stuffed dolls and stuffed toy animals. 441,660, Dec. 21; Serial No. 521,469, published Aug. 17, 1948. Class 22.

St. Paul & Tacoma Lumber Co., Tacoma, Wash. Lumber and lumber products. 504,994, Dec. 21; Serial No. 533,941, published Sept. 7, 1948. Class 12.

Samuels, L. J., & Co., Inc., Boston, Mass. Men's and young men's suits, topcoats, and overcoats. 424,890, Oct. 29, 1946. Republished Dec. 21. Class 39.

Sanchez, Hipolito, Cucamonga, Calif. Wines. 397,354, Sept. 1, 1942. Republished Dec. 21. Class 47.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Sherry wine. 91,703, May 20, 1913. Republished Dec. 21. Class 47.

Sanitation Corporation, Chicago, Ill. Pure cocoanut oil toilet soap, pine oil liquid cleaning compound, etc. 505,072, Dec. 21; Serial No. 545,393, published Aug. 31, 1948. Class 4.

Sardamack Fisheries, Inc., by Pan-Pacific Fisheries, Inc., Wilmington, Calif. Canned fish. 394,365, Mar. 31, 1942. Republished Dec. 21. Class 46.

Saturday Review Associates, Inc.: *See*—
Smith, Dent.

Saverite Engineering Company, Los Angeles, Calif. Chemical preparation for the prevention of rust. 421,354, May 28, 1946. Republished Dec. 21. Class 6.

Saverite Engineering Company, Los Angeles, Calif. Plastic paint. 422,778, Aug. 3, 1946. Republished Dec. 21. Class 16.

Schaeffer, Charles, doing business as Schaeffer's, Cleveland, Ohio, by J. Major Company, Chicago, Ill. Watch bracelets. 424,638, Oct. 15, 1946. Republished Dec. 21. Class 28.

Schaeffer's: *See*—
Schaeffer, Charles.

Schenley Import Corporation, New York, N. Y. Wines. 406,223, Mar. 14, 1944. Republished Dec. 21. Class 47.

Scherer, R. P., Corporation, Detroit, Mich. Hypodermic injection devices. 505,071, Dec. 21; Serial No. 545,040, published Sept. 7, 1948. Class 44.

Schering Corporation, Bloomfield, N. J. Medicinal preparation. 504,960, Dec. 21; Serial No. 530,774, published Sept. 7, 1948. Class 6.

Schloss Bros. & Co., Inc.: *See*—
Porter Clothing Co., Inc.

Schnefel Brothers, by Schnefel Bros., Corporation, Newark, N. J. Manicure files. 164,538, Feb. 20, 1923. Republished Dec. 21. Class 44.

Schnefel Bros., Corporation: *See*—
Schnefel Brothers.
Schnefel Brothers, Inc.

Schnefel Bros., Inc., by Schnefel Bros. Corporation, Newark, N. J. Cuticle remover, finger nail enamel, finger nail polish, etc. 287,475, Sept. 29, 1931. Republished Dec. 21. Class 6.

Schnefel Brothers, Inc., by Schnefel Bros. Corporation, Newark, N. J. Tweezers, manicure and pedicure nippers, etc. 280,084, Feb. 10, 1931. Republished Dec. 21. Class 44.

Schnefel Brothers, Inc., by Schnefel Bros. Corporation, Newark, N. J. Tweezers, house scissors, pocket scissors, etc. 282,014, Apr. 7, 1931. Republished Dec. 21. Classes 23 and 37.

Schneidau Oil Burner, Inc., New Orleans, La. Oil burners and parts thereof. 504,900, Dec. 21; Serial No. 508,442, published Aug. 24, 1948. Class 34.

Scientrol, Inc., Shawano, Wis. Evaporated milk. 417,559, Oct. 30, 1945. Republished Dec. 21. Class 46.

Sea Island Canning Co., Sapelon Island, by The Ploeger-Abbott Company, Darien, Ga. Canned shrimp. 187,153, July 29, 1924. Republished Dec. 21. Class 46.

Seeman Brothers, by Seeman Brothers, Inc., New York, N. Y. Canned and bottled vegetables, fruits, fish, etc. 33,314. Aug. 8, 1899. Republished Dec. 21. Class 46.

Seeman Brothers, Inc.: *See*—
Seeman Brothers.

Semler, R. B., Inc., New Canaan, Conn. Preparation for shampoo. 504,915, Dec. 21; Serial No. 520,973, published Sept. 7, 1948. Class 6.

Seng Company, The, Chicago, Ill. Resilient seats and mattresses and parts thereof. 303,253, May 16, 1933. Republished Dec. 21. Class 32.

Sequoia Citrus Association, Lemon Cove, Calif. Fresh citrus fruits. 375,791, Feb. 27, 1940. Republished Dec. 21. Class 46.

Sequoia Citrus Association, Lemon Cove, Calif. Fresh citrus fruits. 394,956, May 5, 1942. Republished Dec. 21. Class 46.

Setzer, Albert, doing business as Mule Battery Mfg. Co., Providence, R. I. Electric storage batteries. 359,758, Aug. 30, 1938. Republished Dec. 21. Class 21.

Shaler Company, The, Waupun, Wis. Repair patch equipment. 303,868, June 13, 1933. Republished Dec. 21. Class 35.

Shell Oil Company, Incorporated, San Francisco, Calif. Insecticides. 505,103, Dec. 21; Serial No. 554,331, published Sept. 7, 1948. Class 6.

Shell Oil Company, Incorporated, San Francisco, Calif. Insecticides. 505,104, Dec. 21; Serial No. 554,332, published Sept. 14, 1948. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Brass polish, liquid paste or semi-paste. 505,048, Dec. 21; Serial No. 540,912, published Sept. 7, 1948. Class 4.

Simon, Leo, doing business as Natchez Baking Company, Natchez, Miss., by Alfred Nickles Bakery, Inc., Navarre, Ohio. Bread. 257,769, June 18, 1929. Republished Dec. 21. Class 46.

Simpson, Max, doing business as The Health Cigar Company, by Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigars. 221,737, Dec. 7, 1926. Republished Dec. 21. Class 17.

Simpson, Max, doing business as The Health Cigar Company, by Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigarettes, cheroots, little cigars, etc. 231,708, Aug. 23, 1927. Republished Dec. 21. Class 17.

Siroll Laboratories, Inc., Detroit, Mich. Preparation for the treatment of psoriasis and similar skin affections. 327,129, Aug. 20, 1935. Republished Dec. 21. Class 6.

Skinner, F. L., Dunedin, Fla. Fresh citrus fruit. 504,978, Dec. 21; Serial No. 532,650, published Aug. 3, 1948. Class 46.

Slater Mill & Elevator Company, Slater, by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 99,804–5, Sept. 15, 1914. Republished Dec. 21. Class 46.

Smidth, Alex, doing business as Alex Products Co., New York, N. Y. Toys. 441,643, Dec. 21; Serial No. 509,106, published Aug. 17, 1948. Class 22.

Smith, Dent, doing business as The Encore Press, Hoboken, N. J., by The Saturday Review Associates, Inc., New York, N. Y. Magazine. 396,500, July 21, 1942. Republished Dec. 21. Class 38.

Smoked Salt Company, The, Cincinnati, Ohio, by Cutler-Magner Company, Duluth, Minn. Salt. 230,542, July 26, 1927. Republished Dec. 21. Class 46.

Soc. An. Egidio Galbani, Melzo, Milan, Italy, by Bel Paese Sales Co. Inc., New York, N. Y. Cheese. 372,067–8, Oct. 24, 1939. Republished Dec. 21. Class 46.

Societa Anonima Egidio Galbani, Melzo, Italy, by Bel Paese Sales Co. Inc., New York, N. Y. Cheeses. 225,399, Mar. 15, 1927. Republished Dec. 21. Class 46.

Societe Mury-Exportation, Paris, France. Perfume, lipstick, hand and face lotion, etc. 441,640, Dec. 21; Serial No. 507,413, published Aug. 10, 1948. Class 6.

Solvay Process Company, The, Solvay, by The Solvay Process Company, now by merger Allied Chemical & Dye Corporation, New York, N. Y. Soda ash (sodium carbonate). 189,968, Sept. 30, 1924. Republished Dec. 21. Class 6.

Solvay Process Company, The, Geddes, by The Solvay Process Company, now by merger Allied Chemical & Dye Corporation, New York, N. Y. Cleansing and scouring compound. 299,745, Dec. 20, 1932. Republished Dec. 21. Class 4.

Sommer & Kaufmann: *See*—
Sommer & Kaufmann, Inc.

Sommer & Kaufmann, Inc., by Sommer & Kaufmann, San Francisco, Calif. Leather and canvas boots and shoes. 68,847, Apr. 28, 1908. Republished Dec. 21. Class 39.

Sorbtex Foundation, Inc.: *See*—
Dombrower, Ralph L., Company, Inc.

Sound Equipment Corporation of California, Glendale, Calif. Electrical soldering irons. 505,109, Dec. 21; Serial No. 502,852. Class 21.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. 504,951, Dec. 21; Serial No. 530,239, published Sept. 7, 1948. Class 37.

Southern Cement Company, Birmingham, Ala. Hydraulic cement. 114,837, Jan. 2, 1917. Republished Dec. 21. Class 12.

Southern Food Stores, Inc., now by change of name Margaret Ann Super Markets, Inc., by Margaret Ann Super Markets, Inc., Miami, Fla. Canned pork and beans, coffee, food flavoring extracts, etc. 400,227, Feb. 23 1943. Republished Dec. 21. Class 46.

Spallino, Anthony, Niagara Falls, N. Y. Prepared, sterilized potting soil. 505,043, Dec. 21; Serial No. 540,329, published Sept. 14, 1948. Class 1.

Speidel, F., Company, Providence, R. I., by General Chain Company, Inc., North Attleboro, Mass. Jewelry. 102,314, Feb. 2, 1915. Republished Dec. 21. Class 28.

Speidel, F., Co., Providence, R. I., by General Chain Company, Inc., North Attleboro, Mass. Metal chains for personal wear. 112,721, Sept. 19, 1916. Republished Dec. 21. Class 28.

Spencer Chemical Company, Kansas City, Mo. Nitrogen solution. 504,920, Dec. 21; Serial No. 526,501, published Sept. 7, 1948. Class 6.

Sperry Candy Company: *See*—
Barg & Foster Candy Company.

Speyburn-Glenlivet Distillery Co. Limited, The, Glasgow, Scotland. Scotch whisky. 380,009 Aug. 6, 1940. Republished Dec. 21. Class 49.

Spyro Toy Company, Detroit, Mich. Toy tops. 505,121, Dec. 21; Serial No. 530,867. Class 22.

Standard Candy Company: *See*—
Huggins Candy Co.

Stanley Home Products, Inc., Westfield Mass. Periodicals published from time to time. 505,049, Dec. 21; Serial No. 540,932, published Sept. 14, 1948. Class 38.

Star Union Company, The: *See*—
Star Union Overall Company, Inc.

Star Union Overall Company, Inc., South Norwalk, Conn., by The Star Union Company, New York, N. Y. Middy blouses. 256,210, May 7, 1929. Republished Dec. 21. Class 39.

Stearns' Electric Paste Co.: *See*—
Stearns' Electric Paste Company, Inc.

Stearns' Electric Paste Company, Inc., by Stearns' Electric Paste Co., Chicago, Ill. Poison in paste form. 304,350, July 4, 1933. Republished Dec. 21. Class 6.

Stearns' Electric Paste Company, Inc., by Stearns' Electric Paste Co., Chicago, Ill. Poison in paste form. 305,025, July 25, 1933. Republished Dec. 21. Class 6.

Steele, J. W., & Co., North Kansas City, Mo. Garment holding means. 504,983, Dec. 21; Serial No. 533,069, published Sept. 7, 1948. Class 37.

Steele, J. W., & Co., North Kansas City, Mo. Envelope or letter opening devices. 504,984, Dec. 21; Serial No. 533,070, published Sept. 14, 1948. Class 37.

Stensgaard, W. L., and Associates, Inc., Chicago, Ill. Periodically appearing catalogs and brochures. 504,902, Dec. 21; Serial No. 510,124, published Aug. 31, 1948. Class 38.

Stewart Hartshorn Company, New York, N. Y. Shade cloth. 505,123, Dec. 21; Serial No. 536,307. Class 42.

Stokes, Francis C., Company, Vincentown, N. J. Tomato seeds. 400,260, Feb. 23, 1943. Republished Dec. 21. Class 1.

Stopall Waterproofing Manufacturers, Inc., Kalamazoo, Mich. Waterproofing material. 505,035, Dec. 21; Serial No. 539,457, published Aug. 24, 1948. Class 12.

Stratford Pen Corporation, New York, N. Y. Fountain pens and pencils. 504,998, Dec. 21; Serial No. 534,935, published Sept. 7, 1948. Class 37.

Street & Smith Publications, Inc., New York, N. Y. Title for a column in a periodical publication. 505,089–93, Dec. 21; Serial Nos. 551,663–7, published Sept. 14, 1948. Class 38.

Streit, C. F., Manufacturing Company: *See*—
Streit, Carl F.

Streit, C. F., Manufacturing Co., The: *See*—
Streit, Carl F.
Streit, C. F., Mfg. Co., The.

Streit, C. F., Mfg. Co., The, by The C. F. Streit Manufacturing Co., Cincinnati, Ohio. Household and office chairs and rockers. 283,122, May 19, 1931. Republished Dec. 21. Class 32.

Streit, Carl F., doing business as C. F. Streit Manufacturing Company, by The C. F. Streit Manufacturing Co., Cincinnati, Ohio. Chairs. 358,691, July 19, 1938. Republished Dec. 21. Class 32.

Sumet Corporation, Buffalo, N. Y. Bearing metals, cored and solid bars, gear blanks, etc. 417,629, Nov. 5, 1945. Republished Dec. 21. Class 14.

Sumet Corporation, Buffalo, N. Y. Bearing metals, cored and solid bars, gear blanks. 418,356, Dec. 18, 1945. Republished Dec. 21. Class 14.

Sun Chemical Corporation, New York, N. Y. Printing ink. 441,653, Dec. 21; Serial No. 511,969, published Sept. 7, 1948. Class 11.

Sunlight Milling Company, by Home Mill and Grain Company, Inc., Mount Vernon, Ind. Plain flour. 235,923, Nov. 29, 1927. Republished Dec. 21. Class 46.

Sun-Ray Hair Preparations Co.: *See*—
Langhaus, Morris.

Sunset Magazine, Inc., to Lane Publishing Co., San Francisco, Calif. Magazine issued monthly. 257,313, June 4, 1929. New certificate. O. G. Dec. 21. Class 38.

Supreme Wine Co., Inc., Boston, Mass. Wines. 352,820, Dec. 14, 1937. Republished Dec. 21. Class 47.

Sure-Rite Products Company, Philadelphia, Pa. Electric insulating compound. 417,723, Nov. 13, 1945. Republished Dec. 21. Class 21.

Sutton Publishing Company, Inc., New York, N. Y. Periodicals published from time to time. 505,051, Dec. 21; Serial No. 541,058, published Aug. 31. Class 38.

Swartwout Company, The, Cleveland, Ohio. Roof ventilators, power driven ventilators, fan actuated self opening and closing ventilators, etc. 505,000, Dec. 21; Serial No. 535,096, published Aug. 24, 1948. Class 34.

Swigart Paper Company, Chicago, Ill. Paper. 505,005, Dec. 21; Serial No. 536,010, published Sept. 14, 1948. Class 37.

Syndicate-Arkwright Trading Co. Inc.: *See*—
Syndicate Trading Company.

Syndicate Trading Company by Syndicate-Arkwright Trading Co. Inc. New York N. Y. Pearls. 252,759, Feb. 12, 1929. Republished Dec. 21. Class 28.

Tarentum Producta Corporation, Tarentum, Pa. Wrapping paper, lining paper for containers, and paper for use in making corrugated paper. 505,124, Dec. 21; Serial No. 537,252. Class 37.

Taylor & Caldwell, to Taylor & Caldwell, Inc., Walkerton, Va. Canned vegetables. 254,114, renewed Mar. 12, 1949. O. G. Dec. 21. Class 46.

Taylor & Caldwell, Inc.: *See*—
Taylor & Caldwell.

Taylor, Henry F., Glendale, Calif. Men's talcum powder, hair tonic, after shave lotion, etc. 441,622, Dec. 21; Serial No. 475,705, published July 3, 1945. Class 6.

Texas Coffee Company: *See*—
Texas Coffee Company, Incorporated.

Texas Coffee Company, Incorporated, by Texas Coffee Company, Beaumont, Tex. Coffee. 271,090, Mar. 27, 1930. Republished Dec. 21. Class 46.

Tilo Roofing Company, Inc., Stratford, Conn. Roofing materials, siding materials. 441,666, Dec. 21; Serial No. 524,634, published Aug. 24, 1948. Class 12.

Tinit Manufacturing Co., Denver, Colo. Soldering flux. 385,237, Feb. 18, 1941. Republished Dec. 21. Class 6.

Thomas, Frank Co., Inc., Norfolk, Va. Naval and service uniform accoutrements and paraphernalia. 354,879, Mar. 1, 1938. Republished Dec. 21. Class 40.

Thor Corporation: *See*—
Electric Household Utilities Corporation.
Hurley Machine Company.
Meadows Manufacturing Co., The.
Pittsburgh Gage & Supply Company, The.

Tobin Packing Co., Inc., Rochester, N. Y., and Fort Dodge, Iowa. Livestock and poultry feeds. 411,526, Jan. 23, 1945. Republished Dec. 21. Class 46.

Tobin Packing Co., Inc.: *See*—
Arpeako, Inc.

Tolerton & Warfield Co.: *See*—
Norfolk Packing Co.

Torrington Mattress Co.: *See*—
Micket, John P.

Tot-Tested Toys Ltd., New York, N. Y. Electrically operated toy engine. 441,648, Dec. 21; Serial No. 511,191, published Aug. 17, 1948. Class 22.

Transylvania Tanning Co., Brevard, N. C., and New York, N. Y. Sole leather. 505,036, Dec. 21; Serial No. 539,580, published Sept. 7, 1948. Class 1.

Twitchell, E. W., Incorporated, Philadelphia, Pa. Yarns. 404,925, Dec. 28, 1943. Republished Dec. 21. Class 43.

Twitchell, E. W., Incorporated, Philadelphia, Pa. Textile fabrics. 428,870, Apr. 8, 1947. Republished Dec. 21. Class 42.

Ubiko Milling Company, The, St. Bernard, Ohio. Stock and poultry feed. 212,770, May 11, 1926. Republished Dec. 21. Class 46.

Ubiko Milling Company, The, St. Bernard, Ohio. Mineral ingredient. 304,982, July 25, 1933. Republished Dec. 21. Class 6.

Ukiah Fruit Growers, Incorporated, Ukiah, Calif. Fresh pears in their natural state. 235,588, Nov. 22, 1927. Republished Dec. 21. Class 46.

Uni-Flo Grille Corporation, Detroit, Mich., by Barber-Colman Company, Rockford, Ill. Grilles. 301,603, Mar. 7, 1933. Republished Dec. 21. Class 34.

Union Manufacturing Co.: *See*—
Harris, Morris.
Kroll, Harry D.

Union Miniere du Haut Katanga, Brussels, Belgium, to Union Miniere du Haut Katanga, Brussels, Belgium, and Elizabethville, Belgian Congo. Electrolytic copper of various forms. 243,378, renewed June 19, 1948. O. G. Dec. 21. Class 14.

Union Starch & Refining Co., Columbus, Ind. Marshmallow cream. 504,904, Dec. 21; Serial No. 513,992, published Sept. 14, 1948. Class 46.

United States Gypsum Company: *See*—
McHenry-Millhouse Mfg. Co.

United States Gypsum Company, The: *See*—
King, J. B., & Co.

United States Gypsum Company, Chicago, Ill. Stucco and wall plaster. 196,139, Mar. 10, 1925. Republished Dec. 21. Class 12.

United States Gypsum Company, Chicago, Ill. Plaster. 267,938, Mar. 4, 1930. Republished Dec. 21. Class 12.

United States Gypsum Company, Chicago, Ill. Asphalt roof cement and asphalt roof coating. 344,256, Mar. 16, 1937. Republished Dec. 21. Class 12.

United States News Publishing Corporation, Washington, D. C. Periodical publications. 505,037, Dec. 21; Serial No. 539,813, published Sept. 14, 1948. Class 38.

United States Stoneware Co., The, Talmadge, Ohio. Plastic floor, wall, counter, or furniture covering. 505,006, Dec 21; Serial No. 536,020, published Sept. 14, 1948. Class 20.

University Laboratories, Inc., Milwaukee, Wis. Soap. 505,107, Dec. 21; Serial No. 464,151. Class 4.

Urbana Laboratories, The, Urbana, Ill. Soil testing chemicals. 505,055, Dec. 21; Serial No. 541,612, published Sept. 14, 1948. Class 6.

Urdahl, Thomas H., Orlando, Fla., assignor, by mesne assignments, to Dryomatic Corporation of America. Dehumidifying units. 441,644, Dec. 21; Serial No. 509,617, published Mar. 2, 1948. Class 34.

Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Enamels, ready-mixed paints, varnishes, etc. 97,293, May 26, 1914. Republished Dec. 21. Class 16.

Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Varnish stains, color varnishes, clear varnishes, etc. 126,224, July 29, 1919. Republished Dec. 21. Class 16.

Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Ready-mixed paints, varnish stains and varnish enamels. 272,768, July 15, 1930. Republished Dec. 21. Class 16.

Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Paint enamels, stains, and varnishes. 296,887, Aug. 23, 1932. Republished Dec. 21. Class 16.

Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Paint enamels, stains, and varnishes. 304,158, June 20, 1933. Republished Dec. 21. Class 16.

Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Varnish enamels, clear varnishes, paint primers, etc. 312,626, May 1, 1934. Republished Dec. 21. Classes 12 and 16.

Valentine & Company, Inc.: *See*—
Valentine & Company.

Valentine Laboratories, Inc.: *See*—
Home Drug Company.

Valentine Laboratories, Inc., by Olaisen Vitamins, Inc., Chicago, Ill. Vitamin preparation for internal use. 399,939, Feb. 9, 1943. Republished Dec. 21. Class 6.

Valley Growers Exchange: *See*—
Gianandrea, N.

Van Camp Sea Food Co., Inc., Terminal Island, Calif. Canned fish, smoked fish, and preserved fish. 247,741, renewed Oct. 2, 1948. O. G. Dec. 21. Class 46.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 272,386, July 8, 1930. Republished Dec. 21. Class 39.

Van Raalte Company, Inc., New York, N. Y. Laces in the form of piece goods. 295,818, July 12, 1932. Republished Dec. 21. Class 42.

Van Raalte Company, Inc., New York, N. Y. Fabric gloves. 340,994, Nov. 24, 1936. Republished Dec. 21. Class 39.

Varney, Bruce, doing business as Caro-Green Laboratories, assignor to Caro-Green, Inc., by Caro-Green Inc., Kansas City, Mo. Animal and poultry foods. 433,672, Oct. 28, 1947. Republished Dec. 21. Class 46.

Ventura Farms Frozen Foods, Inc., Oxnard, Calif. Frozen vegetables. 441,656, Dec. 21; Serial No. 514,859, published Sept. 21, 1948. Class 46.

Video Television, Inc., New York, N. Y. Television antenna and antenna mounts, clamps, and standoffs. 505,128, Dec. 21; Serial No. 543,549. Class 21.

Virginia-Carolina Chemical Corporation, Richmond, Va. Fertilizers. 252,670, renewed Feb. 12, 1949. O. G. Dec. 21. Class 10.

Vitalic Battery Company, Inc., Dallas, Tex. Storage batteries and storage battery cases. 505,122, Dec. 21; Serial No. 533,797. Class 21.

Vogue Brassiere Mfg. Co., by Vogue Foundations, Inc., Newark, N. J. Brassières, corsets, girdles, etc. 264,900, Dec. 10, 1929. Republished Dec. 21. Class 39.

Vogue Brassiere Mfg. Co., by Vogue Foundations, Inc., Newark, N. J. Combination or foundation garments. 295,277, June 28, 1932. Republished Dec. 21. Class 39.

Vogue Foundations, Inc.: *See*—
Vogue Brassiere Mfg. Co.

Vowel Company, The, St. Louis, Mo. Dog shampoo. 505,041, Dec. 21; Serial No. 539,922, published Sept. 14, 1948. Class 6.

Vrooman, George B., Inc., Philadelphia, Pa. Tomato juice, spaghetti sauce, jellies, etc. 376,122, Mar. 12, 1940. Republished Dec. 21. Class 46.

W & W Pickle & Canning Co., Montgomery, Ala. Pickles. 253,065, renewed Feb. 19, 1949. O. G. Dec. 21. Class 46.

Wadsworth-Howland Company, by Jewel Paint & Varnish Co., Chicago, Ill. Barn paint. 146,395, Sept. 6, 1921. Republished Dec. 21. Class 16.

Wadsworth-Howland Company, by Jewel Paint & Varnish Co., Chicago, Ill. Paint enamel. 148,556, Nov. 15, 1921. Republished Dec. 21. Class 16.

Walgreen Co.: *See*—
Cooper, Wells & Company.
Garcia Grande Cigars, Incorporated.

Walgreen Co., Chicago, Ill. Tobacco products. 257,944, June 25, 1929. Republished Dec. 21. Class 17.

Walgreen Co., Chicago, Ill. Golf balls. 302,302, Apr. 11, 1933. Republished Dec. 21. Class 22.

Walgreen Co., Chicago, Ill. Golf balls. 302,356, Apr. 11, 1933. Republished Dec. 21. Class 22.

Walgreen Co., Chicago, Ill. Playing cards. 344,402, Mar. 23, 1937. Republished Dec. 21. Class 22.

Walgreen Co., Chicago, Ill. Tennis racquets and tennis balls. 344,519, Mar. 30, 1937. Republished Dec. 21. Class 22.

Walgreen Co., Chicago, Ill. Playing cards. 347,504, June 29, 1937. Republished Dec. 21. Class 22.

Walgreen Co., by Carrel, Ltd., Chicago, Ill. Cosmetic preparations. 384,140, Jan. 7, 1941. Republished Dec. 21. Class 6.

Warford, L. E., doing business as Melflex Products Company, assignor to Melflex Products Company, Akron, Ohio. Sheet material compounded of rubber. 441,635, Dec. 21; Serial No. 504,722, published Sept. 14, 1948. Class 20.

Warren, S. D., Company, Boston, Mass. Printing paper. 182,319, Apr. 8, 1924. Republished Dec. 21. Class 37.

Weil & Durrse, by Weil & Durrse, Inc., New York, N. Y. Napkins, scarfs for furniture throws, toweling in the piece, etc. 379,377, July 9, 1940. Republished Dec. 21. Class 42.

Weil & Durrse, by Weil & Durrse, Inc., New York, N. Y. Tablecloths, linens, toweling, and napkins. 393,774, Mar. 3, 1942. Republished Dec. 21. Class 42.

Weil & Durrse Inc.: *See*—
Weil & Durrse.

Weil-McLain Company, Chicago, Ill. Heating radiators. 376,637, Apr. 2, 1940. Republished Dec. 21. Class 34.

Weil-McLain Company, Chicago, Ill. Space heating radiators and radiant energy space heaters. 505,060, Dec. 21; Serial No. 541,897, published Sept. 7, 1948. Class 34.

Weisfield & Goldberg, Inc.: *See*—
American Waltham Watch Company.

Welsh Co.: *See*—
Welsh-Hartman Company, The.

Welsh-Hartman Company, The, by Welsh Co., St. Louis, Mo. Baby swings, baby sulkies, doll swings. 276,239, Oct. 14, 1930. Republished Dec. 21. Class 22.

West Disinfecting Company, Long Island City, N. Y. Disinfectants. 433,593, Oct. 21, 1947. Republished Dec. 21. Class 6.

Western Advertising, San Francisco, Calif. Monthly periodical. 505,065, Dec. 21; Serial No. 542,380, published Sept. 14, 1948. Class 38.

Western Pharmacal Company, by Karl Maeser Pack, assignor to Western Pharmacal Company, Salt Lake City, Utah. Inhalant useful to shrink congested membranes and promote drainage of the nose, etc. 314,697, July 3, 1934. Republished Dec. 21. Class 6.

Western Star Mill Co., The, Salina, Kans. Wheat flour. 238,618, Feb. 14, 1928. Republished Dec. 21. Class 46.

Westinghouse Electric Corporation, East Pittsburgh, Pa., and Bloomfield, N. J., by change of name from Westinghouse Electric & Manufacturing Company. Magazine. 504,890, Dec. 21; Serial No. 475,594, published Aug. 31, 1948. Class 38.

Westinghouse Electric & Manufacturing Company: *See*—
Westinghouse Electric Corporation.

Weymouth Art Leather Company, South Braintree, Mass. Coated cloth resembling artificial leather. 434,158, Nov. 11, 1947. Republished Dec. 21. Class 50.

Wheeling Corrugating Company: *See*—
Chess Brothers, The Central Expanded Metal Company.

Wheeling Corrugating Company, Wheeling, W. Va. Stove pipe. 505,022, Dec. 21; Serial No. 537,532, published Sept. 7, 1948. Class 34.

Wheeling Steel Corporation, Wheeling, West, Va. Metal pipe. 245,301, renewed Aug. 7, 1948. O. G. Dec. 21. Class 13.

Wheeling Steel Corporation, Wheeling, W. Va. Black and galvanized steel sheets. 248,674, renewed Oct. 30, 1948. O. G. Dec. 21. Class 14.

White, Keeling (Rum) Limited, London, England. Rum. 343,391, Feb. 16, 1937. Republished Dec. 21. Class 49.

White, Morris, Fashions, Inc., New York, N. Y. Suede leather. 505,016, Dec. 21; Serial No. 536,658, published Sept. 7, 1948. Class 1.

White Mountain Freezer Company, The: *See*—
North Bros. Mfg. Co.

White Mountain Freezer Company, The, by The White Mountain Freezer Company, Inc., Nashua, N. H. Ice cream freezers. 127,164, Oct. 21, 1919. Republished Dec. 21. Class 31.

Whiting, Albert L., Urbana, Ill. Chemical solution. 270,526, May 6, 1930. Republished Dec. 21. Class 6.

Whiting Paper Company, Holyoke, Mass. Printing and writing papers. 504,939, Dec. 21; Serial No. 528,900, published Sept. 7, 1948. Class 37.

Whitney-Eckstein Seed Co., to Whitney Seed Co., Inc., Buffalo, N. Y. Lawn grass and field seeds. 248,029, renewed Oct. 16, 1948. O. G. Dec. 21. Class 1.

Whitney Seed Co., Inc.: *See*—
Whitney-Eckstein Seed Co.

Whittier Select Citrus Association, Whittier, Calif. Fresh citrus fruits. 308,303, Nov. 28, 1933. Republished Dec. 21. Class 46.

Whittier Select Citrus Association, Whittier, Calif. Fresh citrus fruits. 308,306, Nov. 28, 1933. Republished Dec. 21. Class 46.

Whittier Select Citrus Association, Whittier, Calif. Fresh citrus fruits. 309,382, Jan. 9, 1934. Republished Dec. 21. Class 46.

Whittier Select Citrus Association, Whittier, Calif. Fresh citrus fruits. 312,415, Apr. 24, 1934. Republished Dec. 21. Class 46.

Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric range units and immersion heaters, and parts thereof. 505,118, Dec. 21; Serial No. 527,582. Class 21.

Wilkins, E. J., Company, Gloversville, N. Y. Key cases. 434,049, Nov. 4, 1947. Republished Dec. 21. Class 3.

Wilson, Arthur L., Hamilton, Ontario, Canada. Leather shoes. 249,168, renewed Nov. 6, 1948. O. G. Dec. 21. Class 39.

Wing Nien Soy Bean Sauce Mfg. Co.: *See*—
Wing Nien Soy Sauce Mfg. Co.

Wing Nien Soy Sauce Mfg. Co., also doing business as Wing Nien Soy Bean Sauce Mfg. Co., San Francisco, Calif. Soy sauce. 441,646, Dec. 21; Serial No. 510,140, published Sept. 21, 1948. Class 46.

Wood Conversion Company, St. Paul, Minn. Wood fiber compressed in bales. 504,962, Dec. 21; Serial No. 530,883, published Sept. 14, 1948. Class 1.

Wood Conversion Company, St. Paul, Minn. Loosely matted or felted adhesively bound vegetable fiber in sheet form. 504,963, Dec. 21; Serial No. 530,886, published Sept. 14, 1948. Class 1.

Wood, T. W., & Sons, Richmond, Va. Lawn grass seed. 505,013, Dec. 21; Serial No. 536,328, published Sept. 7, 1948. Class 1.

Worcester Salt Company: *See*—
Ohio Salt Company, The.

Worcester Salt Company, by Worcester Salt Company, New York, N. Y. Salt. 288,488, Oct. 27, 1931. Republished Dec. 21. Class 46.

Worcester Salt Company, by Worcester Salt Company, New York, N. Y. Ice cream salt. 308,037, Nov. 21, 1933. Republished Dec. 21. Class 6.

Wortendyke Manufacturing Co., Richmond, Va. Toilet paper. 254,821, renewed Apr. 2, 1949. O. G. Dec. 21. Class 37.

Wright & Grieg Limited, Glasgow, Scotland. Scotch whisky. 313,015, May 15, 1934. Republished Dec. 21. Class 49.

Wright & Grieg Limited, Glasgow, Scotland. Scotch whisky. 314,055, June 19, 1934. Republished Dec. 21. Class 49.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Acidic compound. 504,985, Dec. 21; Serial No. 533,095, published Sept. 7, 1948. Class 6.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Polyoxyalkylene glycols of relatively higher molecular weights. 504,986, Dec. 21; Serial No. 533,096, published Sept. 7, 1948. Class 6.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Acidic compound. 504,987, Dec. 21; Serial No. 533,100, published Sept. 7, 1948. Class 6.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkaline composition. 504,988, Dec. 21; Serial No. 533,103, published Sept. 7, 1948. Class 6.

Xterminator Products Corporation, Jersey City, N. J. Insecticide. 505,099, Dec. 21; Serial No. 552,303, published Sept. 14, 1948. Class 6.

Yuma Mesa Fruit Growers' Association, Yuma, Ariz. Canned citrus fruit juices and fresh citrus fruits. 504,896, Dec. 21; Serial No. 502,480, published Aug. 31, 1948. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Asphalts and compositions embodying asphalts and like bituminous materials. H. H. Robertson Company. 210,557, Mar. 16, 1926. Republished Dec. 21.

Carbon black. Godfrey L. Cabot, Inc. 505,004, Dec. 21; Serial No. 535,796, published Sept. 7, 1948.

Charcoal briquettes. Char-Lite Manufacturing Company. 504,927, Dec. 21; Serial No. 527,162, published Aug. 31, 1948.

Coal. R. T. Platka Fuels, Inc. 504,910–11, Dec. 21; Serial Nos. 519,978–9, published Sept. 7, 1948.

Cork, Artificial. Crown Cork & Seal Company, Inc. 505,074, Dec. 21; Serial No. 546,158, published Aug. 10, 1948.

Earth, Finely divided fuller's. Attapulgus Clay Company. 505,032, Dec. 21; Serial No. 539,388, published Aug. 31, 1948.

Fur skins. H. Atkins. 441,630, Dec. 21; Serial No. 493,423, published Aug. 31, 1948.

Leather. R. & A. Kohnstamm (London), Inc. 504,893. Dec. 21; Serial No. 496,319, published Sept. 7, 1948.

Leather. J. Lichtman & Sons. 327,138, Aug. 20, 1935. Republished Dec. 21.

Leather, Sole. Guy Lee Leather Co., Inc. 504,895, Dec. 21; Serial No. 502,441, published Sept. 7, 1948.

Leather, Sole. Transylvania Tanning Co. 505,036, Dec. 21; Serial No. 539,580, published Sept. 7, 1948.

Magnesite. American Refractories Company. 84,158, Nov. 14, 1911. Republished Dec. 21.

Nursery stocks. Andrews Nursery Company. 504,993, Dec. 21; Serial No. 533,662, published Aug. 24, 1948.

Petroleum wax, Compounded. National Wax Company. 505,046, Dec. 21; Serial No. 540,441, published Sept. 14, 1948.

Potting soil, Prepared, sterilized. A. Spallino. 505,043, Dec. 21; Serial No. 540,329, published Sept. 14, 1948.

Reprocessed and reused wool. B. Cohen & Sons. 505,033, Dec. 21; Serial No. 539,394, published Sept .7, 1948.

Resins, Synthetic. Monsanto Chemical Company. 504,909. Dec. 21; Serial No. 518,552, published Aug. 31, 1948.

Sand, Foundry. Great Lakes Foundry Sand Company. 504,937, Dec. 21; Serial No. 538,347, published Aug. 31, 1948.

Seed corn. K. Furr. 441,624, Dec. 21; Serial No. 481,530, published Aug. 24, 1948.

Seed, Grass. J. Oliver Johnson Seed Company. 505,040. Dec. 21; Serial No. 539,881, published Sept. 7, 1948.

Seed, Lawn grass. T. W. Wood & Sons. 505,013, Dec. 21; Serial No. 536,328, published Sept. 7, 1948.

Seeds and bulbs, Garden and field. Cornell Seed Company. 505,069, Dec. 21; Serial No. 544,646, published Aug. 10, 1948.

Seeds, Grass. Northrup, King & Co. 504,918, Dec. 21; Serial No. 522,500, published Aug. 24, 1948.

Seeds, Grass, field, and vegetable. E. F. Burlingham & Sons. 504,971, Dec. 21; Serial No. 531,645, published Sept. 7, 1948.

Seeds, Lawn grass and field. Whitney-Eckstein Seed Co. 248,029, renewed Oct. 16, 1948. O. G. Dec. 21.

Seeds, Tomato. Francis C. Stokes Company. 400,260, Feb. 23, 1943. Republished Dec. 21.

Suede leather. Morris White Fashions, Inc. 505,016, Dec. 21; Serial No. 536,658, published Sept. 7, 1948.

Upper leathers. N. Brezner & Co., Inc. 505,044, Dec. 21; Serial No. 540,375, published Sept. 14, 1948.

Upper leathers. Eagle-Flagg Tanning Corporation. 505,042, Dec. 21; Serial No. 540,056, published Sept. 7, 1948.

Vegetable fiber in sheet form, Loosely matted or felted adhesively bound. Wood Conversion Company. 504,963, Dec. 21; Serial No. 530,886, published Sept. 14, 1948.

Wood fiber compressed in bales. Wood Conversion Company. 504,962, Dec. 21; Serial No. 530,883, published Sept. 14, 1948.

CLASS 2

Boxes, Metal, lockers, and tool-boxes. Lyon Metallic Manufacturing Company. 99,326, Aug. 25, 1914. Republished Dec. 21.

Hose reels. Clifford B. Hannay & Son, Inc. 505,129, Dec. 21; Serial No. 545,127.

Shipping boxes, cartons, and cases, Corrugated fibreboard. Maryland Container Company. 429,060, Apr. 15, 1947. Republished Dec. 21.

Wooden packages and parts thereof, Fruit and vegetable. Farmers Manufacturing Company. 230,609, Aug. 2, 1927. Republished Dec. 21.

CLASS 3

Cases, Key. E. J. Wilkins Company. 434,049, Nov. 4, 1947. Republished Dec. 21.

Handbags, purses, pocketbooks and wallets. Plymouth Wholesale Dry Goods Corporation. 505,111, Dec. 21; Serial No. 509,463.

Suitcases, traveling bags, fitted and unfitted suitcases, etc. Crouch & Fitzgerald Corporation. 252,278, renewed Jan. 29, 1949. O. G. Dec. 21.

CLASS 4

Abrasive composition. Lea Manufacturing Company. 304,157, June 20, 1933. Republished Dec. 21.

Cleaners, Handle mounted pot. Metal Textile Corporation. 505,073, Dec. 21; Serial No. 546,008, published Aug. 31, 1948.

Cleaning preparation. Morton S. Pine Co. 433,972, Nov. 4, 1947. Republished Dec. 21.

Cleansing and scouring compound. Solvay Process Company. 299,745, Dec. 20, 1932. Republished Dec. 21.

Coffee, chocolate, flour, and other named food products; candles, laundry articles and preparations, scouring and polishing compounds, matches, brooms, and brushes. Charles & Co. 32,514, re-renewed Feb. 21, 1949. O. G. Dec. 21.

Compound for polishing metals and other hard materials. G. W. Hoffman. 64,090, July 23, 1907. Republished Dec. 21.

Cream, Shaving. Burma-Vita Company. 505,020, Dec. 21; Serial No. 537,411, published Aug. 31, 1948.

Detergent, Household. H. J. Heckmann. 505,007, Dec. 21; Serial No. 536,082, published Aug. 31, 1948.

Detergent, Synthetic. Colgate-Palmolive-Peet Company. 505,077, Dec. 21; Serial No. 546,956, published Sept. 7, 1948.

Fatty oils. Reilly-Whiteman-Walton Company. 433,573, Oct. 21, 1947. Republished Dec. 21.

Finishing compositions. Lea Manufacturing Company. 274,639, Sept. 2, 1930. Republished Dec. 21.

Polish, Brass, liquid, paste, or semi-paste. Sherwin-Williams Company. 505,048, Dec. 21; Serial No. 540,912, published Sept. 7, 1948.

Polishes, Shoe. Best Foods, Inc. 504,959, Dec. 21; Serial No. 530,710, published Aug. 31, 1948.

Polishes, Shoe, shoe blackings, shoe cleansers, etc. Griffin Manufacturing Company, Inc. 505,080, Dec. 21; Serial No. 547,333, published Aug. 31, 1948.

Preparation in liquid and paste form. Griffin Manufacturing Company, Inc. 505,081, Dec. 21; Serial No. 547,340, published Aug. 31, 1948.

Soap. Lehn & Fink Products Corporation. 505,102, Dec. 21; Serial No. 554,313, published Aug. 31, 1948.

Soap. University Laboratories, Inc. 505,107, Dec. 21; Serial No. 464,151.

Soap, Hand, facial soap, etc. American Products Company. 250,755, Dec. 18, 1928. Corrected. O. G. Dec. 21.

Soap in packaged form, Bar. L. Rothschild. 505,083, Dec. 21; Serial No. 547,770, published Aug. 31, 1948.

Soap, Pure cocoanut oil toilet, pine oil liquid cleaning compound, etc. Sanitation Corporation. 505,072, Dec. 21; Serial No. 545,393, published Aug. 31, 1948.

Soap, Toilet, and laundry soap. Consolidated Cosmetics. 505,106, Dec. 21; Serial No. 555,161, published Aug. 31, 1948.

CLASS 5

Sealing-wax. Dennison Manufacturing Company. 70,257, Aug. 18, 1908. Republished Dec. 21.

Tape, Adhesive and gummed. Kleen-Stik Products, Inc. 504,981, Dec. 21; Serial No. 532,939, published Mar. 30, 1948.

Tape, Adhesive-coated, strand-reinforced paper. Angier Corporation. 504,970, Dec. 21; Serial No. 531,286, published Sept. 14, 1948.

Tape, Pressure-sensitive adhesive. Industrial Tape Corporation. 505,067, Dec. 21; Serial No. 543,186, published Sept. 14, 1948.

CLASS 6

Acidic compound. Wyandotte Chemicals Corporation. 504,985, Dec. 21; Serial No. 533,095, published Sept. 7, 1948.

Acidic compound. Wyandotte Chemicals Corporation. 504,987, Dec. 21; Serial No. 533,100, published Sept. 7, 1948.

Alkaline composition. Wyandotte Chemicals Corporation. 504,988, Dec. 21; Serial No. 533,103, published Sept. 7, 1948.

Antacid preparation. Eaton Laboratories, Inc. 505,100, Dec. 21; Serial No. 552,443, published Sept. 14, 1948.

Antiseptic mouth wash. Altone Chemical Company, Inc. 505,097, Dec. 21; Serial No. 552,104, published Sept. 14, 1948.

Antiseptic salve. Dressoline Manufacturing Company. 252,531, renewed Feb. 12, 1949. O. G. Dec. 21.

Antiseptic skin remedy. A. A. Fox. 505,110, Dec. 21; Serial No. 506,812.

Astringents, astringent cerates, bleach creams, etc. M. Handman. 433,170, Sept. 30, 1947. Republished Dec. 21.

Chemical compounds. Bird-Archer Company. 50,995, Apr. 3, 1906. Republished Dec. 21.

Chemical compounds and substances. Pure Oil Company. 505,029, Dec. 21; Serial No. 538,812, published Sept. 7, 1948.

Chemical preparation. Ralph L. Dombrower Company, Inc. 316,033, Aug. 14, 1934. Republished Dec. 21.

Chemical preparation for the prevention of rust. Saverite Engineering Company. 421,354, May 28, 1946. Republished Dec. 21.

Chemical solution. A. L. Whiting. 270,526, May 6, 1930. Republished Dec. 21.

Coating composition. Armour and Company. 504,933, Dec. 21; Serial No. 527,869, published Sept. 7, 1948.

Compounds to be sprayed on sheets after they have been printed. American Type Founders Sales Corporation. 347,556, June 29, 1937. Republished Dec. 21.

Cosmetic preparations. Walgreen Co. 384,140, Jan. 7, 1941. Republished Dec. 21.

Cream, Cleansing. M. Di Giovanni. 504,973, Dec. 21; Serial No. 531,996, published Sept. 14, 1948.

Cream, Hand. Delaware Valley Chemicals, Inc. 505,066, Dec. 21; Serial No. 543,146, published Sept. 14, 1948.

Cream, Sachet. Interstate Sales Co. 505,086, Dec. 21; Serial No. 551,461, published Sept. 14, 1948.

Cuticle remover, fingernail enamel, fingernail polish, etc. Schnefel Bros., Inc. 287,475, Sept. 29, 1931. Republished Dec. 21.

Deodorant. Better Drug Products, Inc. 337,780, Aug. 18, 1936. Republished Dec. 21.

Deodorants, Ingredient in, anti-perspirants, and toiletries. Pearson Pharmacal Company, Inc. 505,079, Dec. 21; Serial No. 547,274, published Aug. 17, 1948.

Dextrose, thiamine, nicotinamid, etc. Cutter Laboratories. 441,654, Dec. 21; Serial No. 512,389, published Aug. 24, 1948.

Disinfectants. West Disinfecting Company. 433,593, Oct. 21, 1947. Republished Dec. 21.

Extracts, Tanning. International Products Corporation. 504,957, Dec. 21; Serial No. 530,512, published Oct. 5, 1948.

Extracts, Tanning. International Products Corporation. 504,958, Dec. 21; Serial No. 530,514, published Sept. 7, 1948.

Face powder. A. W. Curtis, Jr. 504,913, Dec. 21; Serial No. 520,618, published Aug. 17, 1948.

Flush, Drain pipe. Enoz Chemical Company. 343,961, Mar. 9, 1937. Republished Dec. 21.

Flux, Soldering. Tinit Manufacturing Co. 385,237, Feb. 18, 1941. Republished Dec. 21.

Hair coloring rinses. Noreen, Inc. 505,052, Dec. 21; Serial No. 541,169, published Sept. 7, 1948.

Hair colors, hair tonics, lotions, etc. M. Langhaus. 441,638, Dec. 21; Serial No. 507,008, published Mar. 30, 1948.

Hair tint. Eugene, Ltd. 505,047, Dec. 21; Serial No. 540,653, published Sept. 14, 1948.

Inhalant useful to shrink congested membranes and promote drainage of the nose, etc. Western Pharmacal Company. 314,697, July 3, 1934. Republished Dec. 21.

Insecticide. Enoz Chemical Company. 150,349–50, Jan. 3, 1922. Republished Dec. 21.

Insecticide. Xterminator Products Corporation. 505,099, Dec. 21; Serial No. 552,303, published Sept. 14, 1948.

Insecticide or preparation to kill lice. Burrell-Dugger Company. 251,735, renewed Jan. 15, 1949. O. G. Dec. 21.

Insecticides. Enoz Chemical Company. 430,100, June 10, 1947. Republished Dec. 21.

Insecticides. Shell Oil Company, Incorporated. 505,103, Dec. 21; Serial No. 554,331, published Sept. 7, 1948.

Insecticides. Shell Oil Company, Incorporated. 505,104, Dec. 21; Serial No. 554,332, published Sept. 14, 1948.

Internal remedies. W. D. Duncan. 36,131, Mar. 26, 1901. Republished Dec. 21.

Liquid preparation applied externally to the body for relief of sprains and muscular soreness. R. R. Barra. 505,117, Dec. 21; Serial No. 526,566.

Lotion, Face and hand. Better Drug Products, Inc. 335,033, May 19, 1936. Republished Dec. 21.

Mannitol hexanitrate, Brand of. Mannitone Corporation. 441,629, Dec. 21; Serial No. 490,500, published Feb. 26, 1946.

Medical compound, Antiseptic and detergent. Reed & Carnrick. 20,193, Oct. 6, 1891. Republished Dec. 21.

Medicinal preparation. Schering Corporation. 504,960, Dec. 21; Serial No. 530,774, published Sept. 7, 1948.

Medicinal preparation containing natural fish liver oil. J. B. Roerig and Company. 504,966, Dec. 21; Serial No. 531,151, published Aug. 24, 1948.

Medicinal preparation containing oxbile and vitamins. J. B. Roerig and Company. 504,965, Dec. 21; Serial No. 531,150, published Aug. 24, 1948.

Medicinal preparation containing vitamin. J. B. Roerig and Company. 504,967, Dec. 21; Serial No. 531,152, published Aug. 24, 1948.
Medicinal preparation for the treatment of indigestion. Norgine Laboratories, Inc. 505,088, Dec. 21; Serial No. 551,576, published Sept. 14, 1948.
Medicinal tonic preparations. H. R. Napp, Limited. 399,407, Jan. 5, 1943. Republished Dec. 21.
Medicine. Home Drug Company. 365,326, Mar. 7, 1939. Republished Dec. 21.
Mineral ingredient. Ubiko Milling Company. 304,982, July 25, 1933. Republished Dec. 21.
Moth proofing fluid. Feller-Jones Corporation. 505,084, Dec. 21; Serial No. 549,142, published Sept. 14, 1948.
Nasal jelly. Hart Drug Corporation. 254,864, renewed Apr. 2, 1949. O. G. Dec. 21.
Nitrogen solution. Spencer Chemical Company. 504,920, Dec. 21; Serial No. 526,501, published Sept. 7, 1948.
Odor counteractant, Diaper. Airkem, Inc. 505,085, Dec. 21; Serial No. 550,641, published Sept. 14, 1948.
Oil composition, Self emulsifying. Arkansas Company, Inc. 441,639, Dec. 21; Serial No. 507,291, published Oct. 28, 1947.
Ointment, Medicated. Pharma-Craft Corporation. 505,096, Dec. 21; Serial No. 551,816, published Sept. 14, 1948.
Perfume hair tonic, shampoo, etc. W. S. Forman. 505,034, Dec. 21; Serial No. 539,405, published Sept. 14, 1948.
Perfume, lipstick, hand and face lotion, etc. Societe Mury-Exportation. 441,640, Dec. 21; Serial No. 507,413, published Aug. 10, 1948.
Perfumes. Dorothy Gibson Perfumes Corp. 505,078, Dec. 21; Serial No. 547,112, published Aug. 17, 1948.
Perfumes. E. Lawrence. 505,098, Dec. 21; Serial No. 552,248, published Sept. 14, 1948.
Pharmaceutical preparation in the form of capsules. First Texas Chemical Mfg. Co. 441,665, Dec. 21; Serial No. 523,952, published Sept. 7, 1948.
Pharmaceutical preparations of sulphathiazole compounds. Boots Pure Drug Company Limited. 441,645, Dec. 21; Serial No. 509,691 published Sept. 7, 1948.
Phosphate, Defluorinated. International Minerals & Chemical Corporation. 505,043, Dec. 21; Serial No. 540,418, published Sept. 14, 1948.
Poison in paste form. Sterns' Electric Paste Company, Inc. 304,350, July 4, 1933. Republished Dec. 21.
Poison in paste form. Stearns' Electric Paste Company, Inc. 305,025, July 25, 1933. Republished Dec. 21.
Polyoxyalkylene glycols of relatively higher molecular weights. Wyandotte Chemicals Corporation. 504,986, Dec. 21; Serial No. 533,096, published Sept. 7, 1948.
Powder, Douche. Better Drug Products, Inc. 312,711, May 8, 1934. Republished Dec. 21.
Preparation for the relief of rheumatism, arthritis, and neuralgia. J. S. Brazier. 505,087, Dec. 21; Serial No. 551,513, published Sept. 14, 1948.
Preparation for the treatment of athletes foot, and itching toes. S. E. Cover. 505,094, Dec. 21; Serial No. 551,694, published Sept. 14, 1948.
Preparation for the treatment of psoriasis and similar skin affections. Siroil Laboratories, Inc. 327,129, Aug. 20, 1935. Republished Dec. 21.
Rodent poison. Enoz Chemical Company. 150,348, Jan. 3, 1922. Republished Dec. 21.
Salt, Ice cream. Worcester Salt Company. 308,037, Nov. 21, 1933. Republished Dec. 21.
Shampoo. W. H. Lange. 505,082, Dec. 21; Serial No. 547,464, published Sept. 14, 1948.
Shampoo, Dog. Vowel Company. 505,041, Dec. 21; Serial No. 539,922, published Sept. 14, 1948.
Shampoo, Preparation for. R. B. Semler, Inc. 504,915, Dec. 21; Serial No. 520,973, published Sept. 7, 1948.
Shampoo preparations. John H. Breck, Inc. 353,163, Dec. 28, 1937. Republished Dec. 21.
Soda ash (sodium carbonate). Solvay Process Company. 189,968, Sept. 30, 1924. Republished Dec. 21.
Soil testing chemicals. Urbana Laboratories. 505,055, Dec. 21; Serial No. 541,612, published Sept. 14, 1948.
Starch, Liquid. Candy Crafters, Inc. 441,631, Dec. 21; Serial No. 496,196, published June 18, 1946.
Tablets, Breath purifying. J. W. Mills, Jr. 505,108, Dec. 21; Serial No. 498,301.
Talcum powder, hair tonic, after shave lotion, etc., Men's. H. F. Taylor. 441,622, Dec. 21; Serial No. 475,705, published July 3, 1945.
Toiletries, Gentlemen's. S. Perr. 441,642, Dec. 21; Serial No. 508,001, published July 1, 1947.
Tooth pastes. Cavendish Chemical Corp. 248,258, renewed Oct. 16, 1948. O. G. Dec. 21.
Vitamin preparation for internal use. Olafsen Vitamins, Inc. 411,392, Jan. 16, 1945. Republished Dec. 21.
Vitamin preparation for internal use. Valentine Laboratories, Inc. 399,939, Feb. 9, 1943. Republished Dec. 21.
Vitamin tablets. Consolidated Grocers Corporation. 441,661, Dec. 21; Serial No. 521,723, published Sept. 2, 1947.
Wetting agent. Monarch Soap & Chemical Co. 505,059, Dec. 21; Serial No. 541,869, published Sept. 14, 1948.
Worming compound, Poultry. Burrell-Dugger Company. 505,095, Dec. 21; Serial No. 551,764, published Sept. 14, 1948.

CLASS 7

Ribbon. Freydberg Brothers, Incorporated. 301,640, Mar. 7, 1933. Republished Dec. 21.

CLASS 9

Coffee, chocolate, flour and other named food products; candles, laundry articles and preparations, scouring and polishing compounds, matches, brooms, and brushes. Charles & Co. 32,574, re-renewed Feb. 21, 1949. O. G. Dec. 21.
Matches. F. H. Fromm. 209,806, Mar. 2, 1926. Republished Dec. 21.
Matches, Friction. Ohio Match Company. 41,599, Dec. 8, 1903. Republished Dec. 21.

CLASS 10

Fertilizers. Virginia-Carolina Chemical Corporation. 252,670, renewed Feb. 12, 1949. O. G. Dec. 21.

CLASS 11

Printing ink. Sun Chemical Corporation. 441,653, Dec. 21; Serial No. 511,969, published Sept. 7, 1948.
Printing inks. American Type Founders Company. 313,863, June 12, 1934. Republished Dec. 21.
Printing inks. American Type Founders Sales Corporation. 327,104, Aug. 13, 1935. Republished Dec. 21.
Textile ink. John P. Nissen Company. 505,119, Dec. 21; Serial No. 530,240.

CLASS 12

Anchor plates, Steel, and concrete blocks. N. V. Betonfabriek de Meteoor. 504,995, Dec. 21; Serial No. 534,235, published Aug. 24, 1948.
Articles made from artificial stone. Dextone Company. 505,057, Dec. 21; Serial No. 541,653, published Sept. 7, 1948.
Asphalt compositions. E. L. Blum. 441,625, Dec. 21; Serial No. 486,454, published Aug. 17, 1948.
Asphalt, Waterproofing, cotton cloth saturated with hot asphalt, etc. Lewis Asphalt Engineering Corporation. 504,969, Dec. 21; Serial No. 531,224, published Aug. 31, 1948.
Awnings, Metal. Pearce Metal Products, Incorporated. 505,008, Dec. 21; Serial No. 536,129, published Aug. 17, 1948.
Brick, Fire. Malvern Brick and Tile Company. 505,011, Dec. 21; Serial No. 536,262, published Aug. 17, 1948.
Cable suspension cars, Safety. A. B. Chance Company. 505,027, Dec. 21; Serial No. 538,719, published Aug. 17, 1948.
Cement, Air-entraining Portland. Northwestern States Portland Cement Company. 504,905, Dec. 21; Serial No. 515,445, published Aug. 17, 1948.
Cement, Asphalt roof, and asphalt roof coating. United States Gypsum Company. 344,256, Mar. 16, 1937. Republished Dec. 21.
Cement, Building. H. H. Robertson Company. 365,535, Mar. 14, 1939. Republished Dec. 21.
Cement, Building. H. M. Robertson Company. 405,119, Jan. 11, 1944. Republished Dec. 21.
Cement, Hydraulic. Southern Cement Company. 114,837, Jan 2, 1917. Republished Dec. 21.
Cement, Portland. Hawkeye Portland Cement Company. 113,381, Oct. 17, 1916. Republished Dec. 21.
Cement, Portland, and mason's cement. Dewey Portland Cement Company. 505,018, Dec. 21; Serial No. 537,296, published Aug. 24, 1948.
Cement, Portland, and mason's cement. Northwestern States Portland Cement Company. 504,906, Dec. 21; Serial No. 515,446, published Aug. 24, 1948.
Cross-arms, Wooden. American Crossarm & Conduit Company. 505,031, Dec. 21; Serial No. 539,378, published Aug. 31, 1948.
Doors, Sheet steel. Richards-Wilcox Manufacturing Company. 504,928, Dec. 21; Serial No. 527,185, published Aug. 17, 1948.
Enamels, Varnish, clear varnishes, paint primers, etc. Valentine & Company. 312,626, May 1, 1934. Republished Dec. 21.
Fiber board, thermal insulating board, composite board, etc. Masonite Corporation. 505,038, Dec. 21; Serial No. 539,823, published Aug. 24, 1948.
Firebrick. Mexico Refractories Company. 505,061, Dec. 21; Serial No. 542,038, published Sept. 7, 1948.
Firebrick. Mexico Refractories Company. 505,062, Dec. 21; Serial No. 542,042, published Sept. 7, 1948.
Lime. Marblehead Lime Company. 97,258, May 26, 1914. Republished Dec. 21.
Lime, White, and hydrated lime. Marblehead Lime Company. 277,606, Nov. 18, 1930. Republished Dec. 21.
Lumber and lumber products. St. Paul & Tacoma Lumber Co. 504,994, Dec. 21; Serial No. 533,941, published Sept. 7, 1948.
Metal articles, protected. H. H. Robertson Company. 347,781, July 6, 1937. Republished Dec. 21.
Metal, Expanded. Chess Brothers, The Central Expanded Metal Company. 72,061, re-renewed Dec. 29, 1948. O. G. Dec. 21.
Panel board, Veneer covered. Panel-Ette Corporation. 505,114, Dec. 21; Serial No. 511,494.

Plaster. United States Gypsum Company. 267,938, Mar. 4, 1930. Republished Dec. 21.
Plaster of paris. J. B. King & Co. 57,535, Nov. 13, 1906. Republished Dec. 21.
Plaster of paris and calcined plaster. J. B. King & Co. 80,662, Jan. 17, 1911. Republished Dec. 21.
Plaster, Stucco and wall. United States Gypsum Company. 196,139, Mar. 10, 1925. Republished Dec. 21.
Refractory materials for furnace lining and repairing. Basic Refractories, Incorporated. 505,024, Dec. 21; Serial No. 538,088, published Aug. 3, 1948.
Refractory shapes or bricks. E. J. Lavino and Company. 504,912, Dec. 21; Serial No. 520,563, published Aug. 24, 1948.
Roof and siding material, Skylights and windows in. H. H. Robertson Company. 238,812, Feb. 14, 1928. Republished Dec. 21.
Roofing materials, siding materials. Tilo Roofing Company, Inc. 441,666, Dec. 21; Serial No. 524,634, published Aug. 24, 1948.
Roofing, Prepared roll. Logan-Long Company. 248,065, renewed Oct. 16, 1948. O. G. Dec. 21.
Roofing, Roll and shingle. American Asphalt Roof Corporation. 441,621, Dec. 21; Serial No. 475,037, published June 29, 1948.
Roofing shingles, Asphalt. Lehon Company. 505,023, Dec. 21; Serial No. 538,014, published July 20, 1948.
Sheet piling, beams and channel bars, etc. Inland Steel Company. 505,019, Dec. 21; Serial No. 537,317, published Aug. 24, 1948.
Sheets covered with asbestos, Metal. Protected Metal Company. 57,415, Nov. 13, 1906. Republished Dec. 21.
Sheets covered with asbestos, Metal. Protected Metal Company. 57,472, Nov. 13, 1906. Republished Dec. 21.
Sheets, Protected metal. H. H. Robertson Company. 153,203, Mar. 14, 1922. Republished Dec. 21.
Shingles, Asphalt roofing. McHenry-Millhouse Mfg. Co. 221,319, Nov. 30, 1926. Republished Dec. 21.
Steel beam units, Cellular. H. H. Robertson Company. 395,248, May 19, 1942. Republished Dec. 21.
Tile bearing numbers, Individual sections of. Cambridge Tile Mfg. Co. 505,025, Dec. 21; Serial No. 538,354, published Aug. 17, 1948.
Waterproofing material. Stopall Waterproofing Manufacturers, Inc. 505,035, Dec. 21; Serial No. 539,457, published Aug. 24, 1948.

CLASS 13

Chain, Base-metal, base-metal chains, base-metal loops, etc. American Chain Company, Inc. 154,861, May 16, 1922. Republished Dec. 21.
Fences, Ornamental metal, gates and gate posts, door knockers, etc. Fred S. Gichner Iron Works, Inc. 381,798, Oct. 8, 1940. Republished Dec. 21.
Pipe, Metal. Wheeling Steel Corporation. 245,301, renewed Aug. 7, 1948. O. G. Dec. 21.

CLASS 14

Bronze sheets. U. T. Hungerford Brass & Copper Co. 214,661, June 29, 1926. Republished Dec. 21.
Castings. Buffalo Foundry & Machine Co. 408,772, Aug 29, 1944. Republished Dec. 21.
Electrolytic copper of various forms. Union Miniere du Haut Katanga. 243,378, renewed June 19, 1948. O. G. Dec. 21.
Metal stampings, Miscellaneous. Midwest Metal Stamping Company. 348,085, July 13, 1937. Republished Dec. 21.
Metallic welding materials. American Brake Shoe Company. 413,237, Apr. 17, 1945. Republished Dec. 21.
Metals, Bearing, cored and solid bars, gear blanks. Sumet Corporation. 418,356, Dec. 18, 1945. Republished Dec. 21.
Metals, Bearing, cored and solid bars, gear blanks, etc. Sumer Corporation. 417,629, Nov. 5, 1945. Republished Dec. 21.
Steel sheets, Black and galvanized. Wheeling Steel Corporation. 248,674, renewed Oct. 30, 1948. O. G. Dec 21.
Type. American Type Founders Sales Corporation. 325,337, June 18, 1935. Republished Dec. 21.
Type, Printer's. American Type Founders, Incorporated. 375,091, Feb. 6, 1940. Republished Dec. 21.
Type, Printer's. American Type Founders, Incorporated. 377,840, May 14, 1940. Republished Dec. 21.
Type, Printer's. American Type Founders, Incorporated. 398,294, Oct. 20, 1942. Republished Dec. 21.
Welding materials in the form of bare rods or coated electrodes, Metallic. American Brake Shoe Company. 413,237, Apr. 17, 1945. Republished Dec. 21.
Welding rods and metal alloys having a ferrous base. American Brake Shoe Company. 412,810, Mar. 27, 1945. Republished Dec. 21.
Welding rods, Bare and coated metallic. American Brake Shoe Company. 414,309, June 5, 1945. Republished Dec. 21.

CLASS 15

Coffee, chocolate, flour, and other named food products; candles, laundry articles and preparations, scouring and polishing compounds, matches, brooms, and brushes. Charles & Co. 32,514, re-renewed Feb. 21, 1949. O. G. Dec. 21.
Gasoline, motor oils, lubricating grease, etc. Oil Workers International Union. 371,187, Sept. 19, 1939. Republished Dec. 21.
Greases, Lubricating, and lubricating oils. New York Lubricating Oil Company. 72,380, Jan. 19, 1909. Republished Dec. 21.
Oils and greases, Lubricating. Gun-Fil Corporation. 247,833, renewed Oct. 9, 1948. O. G. Dec. 21.

CLASS 16

Enamels, ready-mixed paints, varnishes, etc. Valentine & Company. 97,293, May 26, 1914. Republished Dec. 21.
Enamels, Varnish, clear varnishes, paint primers, etc. Valentine & Company. 312,626, May 1, 1934. Republished Dec. 21.
Paint, Barn. Wadsworth-Howland Company. 146,395, Sept. 6, 1921. Republished Dec. 21.
Paint enamel. Wadsworth-Howland Company. 148,556, Nov. 15, 1921. Republished Dec. 21.
Paint enamels and varnishes. Great Lakes Varnish Works, Inc. 247,879, Oct. 9, 1928. Republished Dec. 21.
Paint enamels, stains, and varnishes. Valentine & Company. 296,887, Aug. 23, 1932. Republished Dec. 21.
Paint enamels, stains, and varnishes. Valentine & Company. 304,158, June 20, 1933. Republished Dec. 21.
Paint, Plastic. Saverite Engineering Company. 422,778, Aug. 3, 1946. Republished Dec. 21.
Paints. H. H. Robertson Company. 425,236, Nov. 12, 1946. Republished Dec. 21.
Paints, Mixed. Detroit Graphite Co. 104,251, May 11, 1915. Republished Dec. 21.
Paints, Ready-mixed, varnish stains, and varnish enamels. Valentine & Company. 272,768, July 15, 1930. Republished Dec. 21.
Paints, Roof. Kling-Tite Paint Products Co. 233,363, renewed Sept. 27, 1947. O. G. Dec. 21.
Plastic composition for filling seams in woodwork. H. B. F. Kuhls. 77,737, May 3, 1910. Republished Dec. 21.
Stains, Varnish, and paint enamels. Con-Ferro Paint & Varnish Company. 368,842, July 4, 1939. Republished Dec. 21.
Stains, Varnish, color varnishes, clear varnishes, etc. Valentine & Company. 126,224, July 29, 1919. Republished Dec. 21.

CLASS 17

Cigarettes. Fleming-Hall Tobacco Co., Inc. 432,236, Aug. 26, 1947. Republished Dec. 21.
Cigarettes, cheroots, little cigars, etc. M. Simpson. 231,708, Aug. 23, 1927. Republished Dec. 21.
Cigarettes. P. Lorillard Company. 505,017, Dec. 21; Serial No. 536,912, published Sept. 14, 1948.
Cigars. De Nobili Cigar Company. 248,608, renewed Oct. 23, 1948. O. G. Dec. 21.
Cigars. De Nobili Cigar Company. 250,597–8, renewed Dec. 11, 1948. O. G. Dec. 21.
Cigars. De Nobili Cigar Company. 251,390, renewed Jan. 8, 1949. O. G. Dec. 21.
Cigars. Garcia Grande Cigars, Incorporated. 317,582, Oct. 2, 1934. Republished Dec. 21.
Cigars. D. Emil Klein Co., Inc. 504,946, Dec. 21; Serial No. 529,782, published Sept. 14, 1948.
Cigars. Jose Lovera Co. 59,354, Jan. 8, 1907. Republished Dec. 21.
Cigars. M. Simpson. 221,737, Dec. 7, 1926. Republished Dec. 21.
Cigars and all-tobacco-cigarettes. D. Emil Klein Co., Inc. 504,943, Dec. 21; Serial No. 529,775, published Sept. 14, 1948.
Cigars and all-tobacco cigarettes. D. Emil Klein Co., Inc. 504,947, Dec. 21; Serial No. 529,785, published Sept. 14, 1948.
Cigars, cigarettes, and smoking and chewing tobacco. D. Emil Klein Co., Inc. 504,945, Dec. 21; Serial No. 529,781, published Sept. 14, 1948.
Cigars, cigarettes, and tobacco pipe mixtures. D. Emil Klein Co., Inc. 504,944, Dec. 21; Serial No. 529,777, published Sept. 14, 1948.
Cigars, cigarettes, cheroots, etc. D. Emil Klein Co., Inc. 504,942, Dec. 21; Serial No. 529,773, published Sept. 14, 1948.
Tobacco, Chewing. R. C. Owen Company. 504,916, Dec. 21; Serial No. 521,275, published Sept. 14, 1948.
Tobacco products. Walgreen Co. 257,944, June 25, 1929. Republished Dec. 21.
Tobacco, Smoking. Benson & Hedges. 505,056, Dec. 21; Serial No. 541,636, published Aug. 31, 1948.

CLASS 19

Earth-moving machinery, Mobile. Euclid Crane & Hoist Company. 282,468, Apr. 21, 1931. Republished Dec. 21.
Motor-driven and trailer materials-handling equipment. Euclid Road Machinery Company. 373,795, Dec. 26, 1939. Republished Dec. 21.
Reflecting and signal lenses and buttons, Automobile safety. Globe Specialty Company. 343,695, Mar. 2, 1937. Republished Dec. 21.

CLASS 20

Covering, Plastic floor, wall, counter, or furniture. United States Stoneware Co. 505,006, Dec. 21; Serial No. 536,020, published Sept. 14, 1948.

Floor covering. B. F. Goodrich Company. 441,659, Dec. 21; Serial No. 519,981, published Sept. 14, 1948.
Sheet material compounded of rubber. L. E. Warford. 441,635, Dec. 21; Serial No. 504,722, published Sept. 14, 1948.

CLASS 21

Antenna and antenna mounts, Television, clamps, and standoffs. Video Television, Inc. 505,128, Dec. 21; Serial No. 543,549.
Conduits, Electrical, and conduits systems, and equipment therefor. Bulldog Electric Products Co. 222,525, Mar. 12, 1935. Republished Dec. 21.
Dishwashing machines, Electric. Hurley Machine Company. 119,537, Nov. 27, 1917. Republished Dec. 21.
Electric range units and immersion heaters, and parts thereof. Edwin L. Wiegand Company. 505,118, Dec. 21; Serial No. 527,582.
Insulating compound, Electric. Sure-Rite Products Company. 417,723, Nov. 13, 1945. Republished Dec. 21.
Irons, Electrical soldering. Sound Equipment Corporation of California. 505,109, Dec. 21; Serial No. 502,852.
Radio transformers and radio condensers. M. H. Kranzberg. 414,188, May 29, 1945. Republished Dec. 21.
Splicers, connectors, couplings, etc. Bulldog Electric Products Company. 328,981, Oct. 15, 1935. Republished Dec. 21.
Storage batteries and storage battery cases. Vitalic Battery Company, Inc. 505,122, Dec. 21; Serial No. 533,797.
Storage batteries, Automobile. Laher Spring and Tire Corporation. 505,120, Dec. 21; Serial No. 530,519.
Storage batteries, Electric. A. Setzer. 359,758, Aug. 30, 1938. Republished Dec. 21.
Switches, Electrical, and electrical contact sets. Bulldog Electric Products Co. 336,817, July 21, 1936. Republished Dec. 21.

CLASS 22

Amusement machines, Coin-operated. J. F. Meyer. 291,378. Feb. 9, 1932. Republished Dec. 21.
Athletic and sporting goods. Amco Sports Distributors. 504,968, Dec. 21; Serial No. 531,180, published Aug. 17, 1948.
Balls, Bowling. Raybestos-Manhattan, Inc. 504,974, Dec. 21; Serial No. 532,057, published Aug. 17, 1948.
Cover for fisherman's casting rod handle and reel. O. Cordes. 505,125, Dec. 21; Serial No. 538,804.
Dolls. A. L. Clark. 441,664, Dec. 21; Serial No. 523,094, published Aug. 17, 1948.
Dolls, Stuffed, and stuffed toy animals. St. Nick's Workshop, Inc. 441,660, Dec. 21; Serial No. 521,469, published Aug. 17, 1948.
Fish bait comprising an edible food composition in the form of pellets. C. E. Eslick. 505,127, Dec. 21; Serial No. 540,059.
Fish bait, Edible. J. C. Fuller. 441,641, Dec. 21; Serial No. 507,897, published Aug. 17, 1948.
Fishing flies, Artificial. V. Clark. 504,901, Dec. 21; Serial No. 509,635, published Aug. 17, 1948.
Games, Mechanical. Academy Award Products, Inc. 441,633, Dec. 21; Serial No. 500,349, published Aug. 17, 1948.
Golf balls. Walgreen Co. 302,302, Apr. 11, 1933. Republished Dec. 21.
Golf balls. Walgreen Co. 302,356, Apr. 11, 1933. Republished Dec. 21.
Golf clubs, golf balls, golf bags, etc. Krordon Company. 247,816, renewed Oct. 9, 1948. O. G. Dec. 21.
Horseshoe sets, Lightweight. W. D. Hedenkamp. 504,894, Dec. 21; Serial No. 496,787, published Aug. 17, 1948.
Play vehicle. Hettrick Manufacturing Company. 505,050, Dec. 21; Serial No. 540,997, published July 20, 1948.
Playing cards. Walgreen Co. 344,402, Mar. 23, 1937. Republished Dec. 21.
Playing cards. Walgreen Co. 347,504, June 29, 1937. Republished Dec. 21.
Slot machines. J. F. Meyer. 316,662, Aug. 28, 1933. Republished Dec. 21.
Sporting and recreational articles. Gemloid Corporation. 504,891, Dec. 21; Serial No. 478,683, published Aug. 17, 1948.
Sporting goods. Boye Manufacturing Company. 441,667, Dec. 21; Serial No. 525,781, published Aug. 17, 1948.
Swings, Baby, baby sulkies, doll swings. Welsh-Hartman Company. 276,239, Oct. 14, 1930. Republished Dec. 21.
Tennis racquets and tennis balls. Walgreen Co. 344,519, Mar. 30, 1937. Republished Dec. 21.
Toy. E. W. Koepnick. 504,899, Dec. 21; Serial No. 507,985, published Aug. 17, 1948.
Toy banks. Duro Pattern and Mold Company. 504,975, Dec. 21; Serial No. 532,127, published Aug. 3, 1948.
Toy, Educational. M. Marx. 441,657, Dec. 21; Serial No. 515,440, published Aug. 17, 1948.
Toy engine, Electrically operated. Tot-Tested Toys Ltd. 441,648, Dec. 21; Serial No. 511,191, published Aug. 17, 1948.
Toy rattles, Children's, and children's toy combs and brushes. Joseph Davis Plastics Company. 504,934, Dec. 21; Serial No. 528,196, published Aug. 17, 1948.
Toy sailboats. P. Lewis. 441,658, Dec. 21; Serial No. 518,084, published Aug. 17, 1948.
Toy tops. Spyro Toy Company. 505,121, Dec. 21; Serial No. 530,867.
Toys. A. Smidth. 441,643, Dec. 21; Serial No. 509,106, published Aug. 17, 1948.

CLASS 23

Acid concentrators, acid and thenol skills, acid eggs, etc. Buffalo Foundry & Machine Co. 185,959, July 1, 1924. Republished Dec. 21.
Ball bearings and roller bearings and their parts. Norma Company of America. 107,501, Dec. 7, 1915. Republished Dec. 21.
Bits, augers, and screw drivers. Irwin Auger Bit Company. 428,109, Mar. 11, 1947. Republished Dec. 21.
Blades, Razor. W. Osiecky. 432,957, Sept. 23, 1947. Republished Dec. 21.
Blades, Razors and razor. Gillette Safety Razor Co. 70,856, re-renewed Oct. 13, 1948. O. G. Dec. 21.
Building equipment, Road. J. E. Ingram Equipment Company. 433,627, Oct. 21, 1947. Republished Dec. 21.
Calandrias, causticizers, and concentrators, etc. Buffalo Foundry & Machine Co. 192,253, Dec. 2, 1924. Republished Dec. 21.
Dishwashing machines. Fearless Dishwasher Company, Inc. 236,676, Dec. 20, 1927. Republished Dec. 21.
Driven stirrers, Pneumatic. Eclipse Air Brush Co. 409,800, Oct. 24, 1944. Republished Dec. 21.
Lawn mowers. R. H. Macy & Co., Inc. 252,368, renewed Feb. 5, 1949. O. G. Dec. 21.
Machinery shaft couplings. Morse Chain Company. 319,489, Nov. 27, 1934. Republished Dec. 21.
Machines for drying or evaporating liquids. Buffalo Foundry & Machine Co. 387,648, May 27, 1941. Republished Dec. 21.
Mobile machinery. Euclid Crane & Hoist Company. 283,610, June 2, 1931. Republished Dec. 21.
Presses, Printing. American Type Founders, Incorporated. 366,777, Apr. 22, 1941. Republished Dec. 21.
Presses, Printing. American Type Founders Sales Corporation. 324,342, May 14, 1935. Republished Dec. 21.
Presses, Printing, and printing industry accessories. American Type Founders Sales Corporation. 352,387, Nov. 30, 1937. Republished Dec. 21.
Razors, Safety, and safety-razor blades. Aktiebolaget Svensk Rakklinga. 218,077, Sept. 21, 1926. Republished Dec. 21.
Routing machines, bending machines, and gluing machines. Onsrud Machine Works, Inc. 360,044, Sept. 6, 1938. Republished Dec. 21.
Sewing machines. New Home Sewing Machine Co. 216,809, Aug. 24, 1926. Corrected. O. G. Dec. 21.
Spray guns. Eclipse Air Brush Co. 409,901-2, Oct. 31, 1944. Republished Dec. 21.
Tweezers, house scissors, pocket scissors, etc. Schnefel Brothers, Inc. 282,014, Apr. 7, 1931. Republished Dec. 21.

CLASS 24

Ironing machines. Electric Household Utilities Corporation. 347,157, June 15, 1937. Republished Dec. 21.
Ironing machines. Electric Household Utilities Corporation. 384,009, Dec. 31, 1940. Republished Dec. 21.
Ironing machines. Meadows Corporation. 377,161, Apr. 23, 1940. Republished Dec. 21.
Washing machines. Meadows Manufacturing Co. 226,309, Apr. 5, 1927. Republished Dec. 21.
Washing machines, Clothes, and ironing machines. Electric Household Utilities Corporation. 427,067, Jan. 28, 1947. Republished Dec. 21.
Washing machines, Clothes, ironing machines and clothes wringing machines. Hurley Machine Company, 119,454, Nov. 20, 1917. Republished Dec. 21.
Washing machines, Laundry. One Minute Washer Company. 305,578, Aug. 22, 1933. Republished Dec. 21.
Washing-machines, Laundry, wringers and mangles. Pittsburgh Gage & Supply Company. 109,950, Apr. 25, 1916. Republished Dec. 21.

CLASS 26

Cameras, Lithographic, portable cameras, and precision cameras. American Type Founders Sales Corporation. 417,643, Nov. 6, 1945. Republished Dec. 21.
Lenses, Ophthalmic. Bausch & Lomb Optical Company. 254,526, renewed Mar. 26, 1948. O. G. Dec. 21.
Potentiometers, automatic controlling instruments, etc. Brown Instrument Company. 249,730, renewed Nov. 20, 1948. O. G. Dec. 21.

CLASS 27

Watches and their parts and watch-movements. American Waltham Watch Company. 33,234, July 18, 1899. New certificate. O. G. Dec. 21.

CLASS 28

Chains for personal wear. General Chain Company. 196,421, Mar. 17, 1925. Republished Dec. 21.
Chains for personal wear, fobs, pendants, bracelets, etc. General Chain Company. 222,444, Jan. 4, 1927. Republished Dec. 21.
Chains for personal wear, Metal. W. Forstner Co. 106,318, Oct. 19, 1915. Republished Dec. 21.
Chains for personal wear, Metal. F. Speidel Co. 112,721, Sept. 19, 1916. Republished Dec. 21.

Hollow ware, flatware, and silver ware. Edward Prill & Sons. 424,634, Oct. 15, 1946. Republished Dec. 21.
Jewelry. F. Speidel Company. 102,314, Feb. 2, 1915. Republished Dec. 21.
Jewelry chains. American Jewelry Chain Company. 368,782, June 27, 1939. Republished Dec. 21.
Pearls. Syndicate Trading Company. 252,759, Feb. 12, 1929. Republished Dec. 21.
Pins, earrings, pendants, etc. R. Polumbaum. 411,411, Jan. 16, 1945. Republished Dec. 21.
Watch bracelets. C. Schaeffer. 424,638, Oct. 15, 1946. Republished Dec. 21.

CLASS 29

Coffee, chocolate, flour, and other named food products; candles, laundry articles and preparations, scouring and polishing compounds, matches, brooms, and brushes. Charles & Co. 32,514, re-renewed Feb. 21, 1948. O. G. Dec. 21.
Mops, Dust, and polish mops. Midway Chemical Company. 250,427, renewed Dec. 11, 1948. O. G. Dec. 21.

CLASS 31

Containers for dry-ice cooled shipping and delivery of ice cream and the like, Insulated paper board. Jiffy Manufacturing Company. 441,647, Dec. 21; Serial No. 510,434, published Sept. 16, 1947.
Filtering equipment for general industrial operations and replacement parts therefor. Mechanical liquid. Peterson Filters and Engineering Co. 441,620, Dec. 21; Serial No. 461,419, published Sept. 30, 1947.
Freezers, Ice cream. North Bros. Mfg. Co. 64,041, July 23, 1907. Republished Dec. 21.
Freezers, Ice cream. White Mountain Freezer Company. 127,164, Oct. 21, 1919. Republished Dec. 21.
Graded siliceous and other insoluble, unreactive granular materials. Elgin Softener Corporation. 433,872, Nov. 4, 1947. Republished Dec. 21.
Ion-exchange materials. Elgin Softener Corporation. 432,490, Sept. 2, 1947. Republished Dec. 21.
Refrigerated locker units. W. M. Baird. 504,936, Dec. 21; Serial No. 528,246, published Sept. 7, 1948.
Refrigeration apparatus. Linde Air Products Company. 441,626, Dec. 21; Serial No. 486,625, published Sept. 7, 1948.
Refrigerators and refrigerating equipment. L. H. Behrens. 505,116, Dec. 21; Serial No. 523,819.
Refrigerators, Household electric. Ranney Refrigerator Company. 504,982, Dec. 21; Serial No. 532,960, published Sept. 7, 1948.

CLASS 32

Beds and bedding. E. C. Johnson, Jr. 504,996, Dec. 21; Serial No. 534,637, published Sept. 14, 1948.
Beds, cribs, bed springs, etc. Crescent Bed Co., Ltd. 162,710, Dec. 26, 1922. Republished Dec. 21.
Cabinets, Storage, cupboards, chairs, etc. Griffin Engineering Company, Inc. 441,628, Dec. 21; Serial No. 490,430, published Sept. 14, 1948.
Cabinets, Storage, stands in the nature of furniture, cupboards, and cellarets. Griffin Engineering Company, Inc. 441,627, Dec. 21; Serial No. 390,429, published Sept. 14, 1948.
Chairs. C. F. Streit. 358,691, July 19, 1938. Republished Dec. 21.
Chairs and rockers, Household and office. C. F. Streit Mfg. Co. 283,122, May 19, 1931. Republished Dec. 21.
Chests, Cedar. Lane Company, Inc. 296,689, Aug. 16, 1932. Republished Dec. 21.
Furniture both wood and upholstered, Household and summer. Heywood-Wakefield Company. 504,980, Dec. 21; Serial No. 532,931, published Sept. 14, 1948.
Mattresses and cushions, Inflatable. Hedwin Corporation. 441,668, Dec. 21; Serial No. 525,844, published Sept. 14, 1948.
Mattresses, box springs, studio beds, and sofa beds. J. P. Micket. 441,655, Dec. 21; Serial No. 513,944, published Sept. 14, 1948.
Seats and mattresses, Resilient, and parts thereof. Seng Company. 303,253, May 16, 1933. Republished Dec. 21.
Spring assemblies for upholstery. Nachman Corporation. 505,115, Dec. 21; Serial No. 513,329.
Wardrobes, Cedar, cedar chifforobes, cedar closets, etc. Lane Company, Inc. 271,946, June 17, 1930. Republished Dec. 21.
Wardrobes, Cedar, cedar chifforobes, cedar closets, etc. Lane Company, Inc. 341,498, Dec. 8, 1936. Republished Dec. 21.

CLASS 33

Bowls made of glass, Gasoline strainer. Johnson Glass Company. 420,106, Mar. 26, 1946. Republished Dec. 21.

CLASS 34

Air conditioning apparatus. Cargocaire Engineering Corporation. 441,652, Dec. 21; Serial No. 511,794, published Jan. 6, 1948.
Condensers. Niagara Blower Company. 343,250, Feb. 16, 1937. Republished Dec. 21.
Cooking apparatus in the form of charcoal and wood burners and grills. C. Mannheimer. 504,938, Dec. 21; Serial No. 528,808, published Aug. 24, 1948.
Dehumidifying units. T. H. Urdahl. 441,644, Dec. 21; Serial No. 509,617, published Mar. 2, 1948.
Gas fired units. Mechanical Home Systems, Incorporated. 504,935, Dec. 21; Serial No. 528,218, published Aug. 24, 1948.
Gas, oil, and vapor hot-water storage and heating tanks and those adapted for heating by thermosiphon or coils; gas, oil, and vapor water heaters and thermostatic valves furnished parts of heating devices. Cleveland Heater Company. 249,071, renewed Nov. 6, 1948. O. G. Dec. 21.
Gas ranges. Avco Manufacturing Corporation. 504,921, Dec. 21; Serial No. 526,655, published Aug. 24, 1948.
Grilles. Uni-Flo Grille Corporation. 301,603, Mar. 7, 1933. Republished Dec. 21.
Heat economizers, Waste. National Engineering & Equipment Company. 505,058, Dec. 21; Serial No. 541,894, published Sept. 7, 1948.
Heat exchangers, Blower type evaporative. Niagara Blower Company. 408,162, July 25, 1944. Republished Dec. 21.
Heaters, Space. Jackes-Evans Manufacturing Company, 504,932, Dec. 21; Serial No. 527,705, published Aug. 31, 1948.
Heaters, Submerged water. Bell & Gossett Company. 226,588, Apr. 12, 1927. Republished Dec. 21.
Heating equipment. C. E. Johnson. 505,026, Dec. 21; Serial No. 538,420, published Aug. 24, 1948.
Lanterns, Gasoline and kerosene, and mantles, generator tubes, etc. American Gas Machine Company. 504,955, Dec. 21; Serial No. 530,365, published Aug. 24, 1948.
Lenses, Lamp. Globe Specialty Compauy. 340,219, Nov. 3, 1936. Republished Dec. 21.
Oil burners and parts thereof. Schneidau Oil Burner, Inc. 504,900, Dec. 21; Serial No. 508,442, published Aug. 24, 1948.
Ovens, Industrial. Foundry Equipment Company. 364,221, Jan. 24, 1939. Republished Dec. 21.
Pipe, Stove. Wheeling Corrugating Company. 505,022, Dec. 21; Serial No. 537,532, published Sept. 7, 1948.
Radiators, Heating. Weil-McLain Company. 376,637, Apr. 2, 1940. Republished Dec. 21.
Radiators, Space heating, and radiant energy space heaters. Weil-McLain Company. 505,060, Dec. 21; Serial No. 541,897, published Sept. 7, 1948.
Stove-pipe, stove-pipe elbows, stove-pipe fittings, etc. Jackes-Evans Manufacturing Company. 504,931, Dec. 21; Serial No. 527,569, published Aug. 31, 1948.
Stoves. Ross-Meehan Foundries. 505,054, Dec. 21; Serial No. 541,463, published Sept. 7, 1948.
Stoves, Baking. Martin Oven Company, Inc. 504,949, Dec. 21; Serial No. 530,091, published Aug. 24, 1948.
Stoves, Gasoline and kerosene cook. American Gas Machine Company. 504,953, Dec. 21; Serial No. 530,362, published Aug. 24, 1948.
Stoves, Gasoline burning camp. American Gas Machine Company. 504,952, Dec. 21; Serial No. 530,361, published Aug. 24, 1948.
Stoves, Gasoline cooking. American Gas Machine Company. 504,954, Dec. 21; Serial No. 530,364, published Aug. 24, 1948.
Ventilators, Roof, power driven ventilators, fan actuated self opening and closing ventilators, etc. Swartwout Company. 505,000, Dec. 21; Serial No. 535,096, published Aug. 24, 1948.

CLASS 35

Belting, air brake hose, air drill hose, etc. Quaker Rubber Corporation. 403,672, Oct. 12, 1943. Republished Dec. 21.
Belting, Leather. J. E. Rhoads & Sons. 252,896, renewed Feb. 19, 1949. O. G. Dec. 21.
Patch equipment for rubber articles, Repair. Shaler Company. 303,868, June 13, 1933. Republished Dec. 21.

CLASS 36

Records, Phonograph, and phonograph recording discs. M. H. Kranzberg. 415,344, Aug. 7, 1945. Republished Dec. 21.

CLASS 37

Bond, ledger, and duplicating paper. Nekoosa-Edwards Paper Company. 504,991, Dec. 21; Serial No. 533,601, published Sept. 14, 1948.
Books, notebooks, composition and writing books, Stenographers'. Reynolds Manufacturing Company. 504,964, Dec. 21; Serial No. 530,960, published Sept. 7, 1948.
Envelope or letter opening devices. J. W. Steele & Co. 504,984, Dec. 21; Serial No. 533,070, published Sept. 14, 1948.
Garment holding means. J. W. Steele & Co. 504,983, Dec. 21; Serial No. 533,069, published Sept. 7, 1948.
Pads, Calendar and desk. Ever Ready Calendar Manufacturing Company. 504,956, Dec. 21; Serial No. 530,393, published Sept. 7, 1948.
Paper. Swigart Paper Company. 505,005, Dec. 21; Serial No. 536,010, published Sept. 14, 1948.
Paper, Bond. Parker-Young Company. 301,382, Feb. 28, 1933. Republished Dec. 21.

Paper, Bond, ledger, and duplicating. Nekoosa-Edwards Paper Company. 504,990, Dec. 21; Serial No. 533,599, published Sept. 14, 1948.
Paper, Enameled book. Martin Cantine Company. 193,992, Jan. 13, 1925. Republished Dec. 21.
Paper for stationery use for business forms printed with standard business ink, etc. Ditto, Incorporated. 249,382, renewed Nov. 13, 1948. O. G. Dec. 21.
Paper, Index. Howard Paper Mills, Inc. 504,948, Dec. 21; Serial No. 529,998, published Sept. 14, 1948.
Paper, Kraft wrapping. Southern Advance Bag & Paper Co. Inc. 504,951, Dec. 21; Serial No. 530,259, published Sept. 7, 1948.
Paper liners, Creped. Crown Zellerbach Corporation. 433,968, Nov. 4, 1947. Republished Dec. 21.
Paper, Printing. S. D. Warren Company. 182,319, Apr. 8, 1924. Republished Dec. 21.
Paper, Toilet. Wortendyke Manufacturing Co. 254,821, renewed Apr. 2, 1949. O. G. Dec. 21.
Paper, Wrapping. Rhinelander Paper Company. 504,992, Dec. 21; Serial No. 533,619, published Sept. 14, 1948.
Paper, Wrapping and converting. Hollingsworth & Whitney Company. 505,015, Dec. 21; Serial No. 536,395, published Sept. 14, 1948.
Paper, Wrapping, lining paper for containers and paper for use in making corrugated paper. Tarentum Products Corporation. 505,124, Dec. 21; Serial No. 537,252.
Paper, Writing, and envelopes. Gray Envelope Manufacturing Company, Inc. 505,064, Dec. 21; Serial No. 542,228, published Sept. 7, 1948.
Papers, Coated cover and label. Plastic Coating Corporation. 504,941, Dec. 21; Serial No. 529,403, published Sept. 7, 1948.
Papers, Printing and writing. Whiting Paper Company. 504,939, Dec. 21; Serial No. 528,900, published Sept. 7, 1948.
Papers, Tag, bond, and index. Hollingsworth & Whitney Company. 505,014, Dec. 21; Serial No. 536,386, published Sept. 14, 1948.
Pen and pencil holders, penholders, pencil-holders, etc. E. Faber. 51,227, Apr. 10, 1906. Republished Dec. 21.
Pens, Ball-pointed fountain. Eagle Pencil Company. 504,897, Dec. 21; Serial No. 505,344, published Sept. 14, 1948.
Pens, Fountain, and parts thereof. Esterbrook Pen Company. 505,010, Dec. 21; Serial No. 536,246, published Sept. 14, 1948.
Pens, Fountain, and pencils. Stratford Pen Corporation. 504,998, Dec. 21; Serial No. 534,935, published Sept. 7, 1948.
Pencils, Lead, pencil-point protectors, pencil-holders, etc. Eagle Pencil Company. 253,611, renewed Mar. 5, 1949. O. G. Dec. 21.
Stamps, Dater. Fulton Specialty Co. 504,989, Dec. 21; Serial No. 533,297, published Sept. 7, 1948.
Stationery. E. M. Rankin. 505,001, Dec. 21; Serial No. 535,181, published Sept. 7, 1948.
Stencil board, Oiled. Marsh Stencil Machine Company. 505,063, Dec. 21; Serial No. 542,220, published Sept. 14, 1948.
Tweezers, house scissors, pocket scissors, etc. Schnefel Brothers, Inc. 282,014, Apr. 7, 1931. Republished Dec. 21.
Wrappings, Gift. Mayflower Manufacturing Company. 441,825, Dec. 21; Serial No. 506,825, published Sept. 14, 1948.

CLASS 38

Advertising leaflets. Mullins Manufacturing Corporation. 441,623, Dec. 21; Serial No. 476,877, published Aug. 31, 1948.
Books. Mus-Ed Record Co. 505,053, Dec. 21; Serial No. 541,319, published Aug. 31, 1948.
Books. Rand McNally and Company. 504,917, Dec. 21; Serial No. 521,926, published Sept. 7, 1948.
Books, pamphlets, and periodicals. American Chemical Society. 504,997, Dec. 21; Serial No. 534,725, published Sept. 7, 1948.
Catalogs and brochures, Periodically appearing. W. L. Stensgaard and Associates, Inc. 504,902, Dec. 21; Serial No. 510,124, published Aug. 31, 1948.
Decalcomanias. Palm Brothers Decalcomania Company. 505,002, Dec. 21; Serial No. 535,597, published Sept. 14, 1948.
Decalcomanias. Palm Brothers Decalcomania Company. 505,003, Dec. 21; Serial No. 535,598, published Sept. 7, 1948.
Drawings and advertising media. G. Hanzel. 504,898, Dec. 21; Serial No. 506,313, published Sept. 7, 1948.
House-organ magazine. Bemis Bro. Bag Company. 504,925, Dec. 21; Serial No. 526,846, published Aug. 31, 1948.
Magazine. D. Smith. 396,500, July 21, 1942. Republished Dec. 21.
Magazine. Westinghouse Electric Corporation. 504,890, Dec. 21; Serial No. 475,594, published Aug. 31, 1948.
Magazine feature. Hearst Magazines Inc. 505,101, Dec. 21; Serial No. 553,854, published Aug. 31, 1948.
Magazine feature. Hearst Magazines Inc. 505,105, Dec. 21; Serial No. 554,567, published Aug. 31, 1948.
Magazine issued monthly. Sunset Magazine, Inc. 257,313, June 4, 1929. New certificate. O. G. Dec. 21.
Magazine or publication. Non Pareil Publishing Corporation. 441,651, Dec. 21; Serial No. 511,634, published Sept. 7, 1948.
Newspaper. Pulitzer Publishing Company. 377,977, May 21, 1940. Republished Dec. 21.
Newspaper, Daily. Nowy Swiat Publishing Company, Inc. 229,494, June 28, 1927. Republished Dec. 21.
Periodical. F. W. Dodge Corporation. 246,960, renewed Sept. 18, 1948. O. G. Dec. 21.
Periodical. Honolulu Star-Bulletin, Ltd. 505,075, Dec. 21; Serial No. 546,772, published Aug. 17, 1948.
Periodical, Monthly. Western Advertising. 505,065, Dec. 21; Serial No. 542,380, published Sept. 14, 1948.
Periodical published monthly. Mars, Incorporated. 415,810, Aug. 14, 1945. Republished Dec. 21.
Periodicals. Journal of Accountancy. Incorporated. 235,493, Nov. 22, 1927. Republished Dec. 21.
Periodicals published from time to time. Stanley Home Products, Inc. 505,049, Dec. 21; Serial No. 540,932, published Sept. 14, 1948.
Periodicals published from time to time. Sutton Publishing Company, Inc. 505,051, Dec. 21; Serial No. 541,058, published Aug. 31, 1948.
Post cards, Multi-colored, and pictorial illustrations. Curt Teich & Company. 504,929, Dec. 21; Serial No. 527,200, published Aug. 31, 1948.
Post cards, Picture, picture cards for vending machines, and cards for vending machines. J. F. Meyer. 271,919, June 17, 1930. Republished Dec. 21.
Publication. B. J. Grigsby. 504,908, Dec. 21; Serial No. 517,056, published Sept. 7, 1948.
Publication, Bi-monthly. Armour and Company. 504,930, Dec. 21; Serial No. 527,498, published Aug. 31, 1948.
Publication in the form of a bulletin, Monthly. Masonic Service Association of the United States. 504,950, Dec. 21; Serial No. 530,093, published Aug. 3, 1948.
Publication, Periodical. American School Press Association, Inc. 441,662, Dec. 21; Serial No. 522,150, published Aug. 31, 1948.
Publication, Periodical. Electrical Information Publications, Inc. 504,976, Dec. 21; Serial No. 532,435, published Aug. 31, 1948.
Publication, Periodical. Electrical Information Publications, Inc. 504,977, Dec. 21; Serial No. 532,437, published Aug. 31, 1948.
Publication, Weekly. Alar, Inc. 505,068, Dec. 21; Serial No. 543,257, published Aug. 17, 1948.
Publications, Periodical. United States News Publishing Corporation. 505,037, Dec. 21; Serial No. 539,813, published Sept. 14, 1948.
Sheet music. National Music Publishing Corp. 430,788, June 24, 1947. Republished Dec. 21.
Title for a column in a periodical publication. Street & Smith Publications, Inc. 505,089–93, Dec. 21; Serial Nos. 551,663–7, published Sept. 14, 1948.

CLASS 39

Aprons, hoowerettes, housedresses, etc. Levin & Co. 343,266, Feb. 16, 1937. Republished Dec. 21.
Blouses, Middy. Star Union Overall Company, Inc. 256,210, May 7, 1929. Republished Dec. 21.
Boots and shoes, Leather and canvas. Sommer & Kaufmann, Inc. 68,847, Apr. 28, 1908. Republished Dec. 21.
Brassières, corsets, girdles, etc. Vogue Brassiere Mfg. Co. 264,900, Dec. 10, 1929. Republished Dec. 21.
Caps and hats. G. W. Alexander & Co., Inc. 327,631, Sept. 3, 1935. Republished Dec. 21.
Clothing, Men's. Porter Clothing Co., Inc. 269,758, Apr. 15, 1930. Republished Dec. 21.
Clothing, Men's and boys'. M. Harris. 335,061, May 19, 1936. Republished Dec. 21.
Clothing, Men's and boys' outer. H. D. Kroll. 262,381, Oct. 8, 1929. Republished Dec. 21.
Collars. Enro Shirt Company. 376,010, Mar. 12, 1940. Republished Dec. 21.
Collars, dress and negligee shirts, pajamas, etc. Enro Shirt Company. 268,483, Mar. 18, 1930. Republished Dec. 21.
Collars, negligee and dress shirts, and pajamas for men. Enro Shirt Company. 341,405, Dec. 8, 1936. Republished Dec. 21.
Dress and negligee shirts, knitted and textile underwear for men, and pajamas. Enro Shirt Company. 267,216, Feb. 18, 1930. Republished Dec. 21.
Dress, negligee, and work shirts; hosiery and underwear. J. P. Bubla. 334,392, May 5, 1936. Republished Dec. 21.
Dress shirts, pajamas, Men's. Enro Shirt Company. 371,497, Sept. 26, 1939. Republished Dec. 21.
Dresses, Ladies', misses', and juniors'. La Vogue Dress Company, Incorporated. 363,457, Dec. 27, 1938. Republished Dec. 21.
Dresses, Morning, for women and misses. R. H. Macy & Co., Inc. 252,932, renewed Feb. 19, 1949. O. G. Dec. 21.
Dresses, Women's, misses', and children's. Albert Rosenblatt & Sons, Inc. 255,040, renewed Apr. 9, 1949. O. G. Dec. 21.
Garments, Combination or foundation. Vogue Brassiere Mfg. Co. 295,277, June 28, 1932. Republished Dec. 21.
Garters. Hewes & Potter, Inc. 241,803, May 8, 1928. Republished Dec. 21.
Gloves, Fabric. Van Raalte Company, Inc. 340,994, Nov. 24, 1936. Republished Dec. 21.
Gloves, Men's unlined, knitted wool-lined, silk-lined, lamb-lined, and fur-lined leather. O. C. Hansen Mfg. Co. 242,747, June 5, 1928. Republished Dec. 21.

Hats and caps, Men's and boys' soft and straw. Dalton Hat Co. Inc. 330,077, Nov. 19, 1935. Republished Dec. 21.
Hats, Men's and women's fur-felt. G. W. Alexander & Co., Inc. 268,028, Mar. 4, 1930. Republished Dec. 21.
Hats, Men's and women's fur-felt. G. W. Alexander & Co., Inc. 268,485, Mar. 18, 1930. Republished Dec. 21.
Hats, Men's and women's fur-felt. G. W. Alexander & Co., Inc. 269,016, Mar. 25, 1930. Republished Dec. 21.
Hose, Men's half. Pointer Hosiery Co. 194,494, Jan. 27, 1925. Republished Dec. 21.
Hosiery. Chas. Chipman's Sons. 71,178–9, re-renewed Nov. 10, 1948. O. G. Dec. 21.
Hosiery. Van Raalte Company, Inc. 272,386, July 8, 1930. Republished Dec. 21.
Hosiery and underwear, Ladies' knitted. Levin Brothers. 261,233, Sept. 10, 1929. Republished Dec. 21.
Hosiery and underwear of knitted and textile fabrics. A. Kommel & Sons. 190,013, Sept. 30, 1924. Amended. O. G. Dec. 21.
Hosiery for women. Cooper, Wells & Company. 328,429, Sept. 24, 1935. Republished Dec. 21.
Hosiery, Ladies' woolen. Bear Brand Hosiery Co. 245,145, Aug. 7, 1928. Republished Dec. 21.
Neckties. M. Aron Corporation. 433,434, Oct. 14, 1947. Republished Dec. 21.
Negligee and dress shirts, pajamas and underwear, Men's. Enro Shirt Company, Inc. 314,463, June 26, 1934. Republished Dec. 21.
Negligee and dress shirts, pajamas and underwear, Men's and boys'. Enro Shirt Company. 324,339, May 14, 1935. Republished Dec. 21.
Pajamas. Enro Shirt Company. 301,431, Feb. 28, 1933. Republished Dec. 21.
Play garments, Children's. Hortex Manufacturing Company. 412,975, Apr. 3, 1945. Republished Dec. 21.
Shirts, Men's dress and work. Grunwald-Marx. 433,385, Oct. 14, 1947. Republished Dec. 21.
Shoes. Brown Shoe Company, Inc. 254,440, renewed Mar. 26, 1949. O. G. Dec. 21.
Shoes. Doeman Shoe Mfg. Co. 363,974, Jan. 17, 1939. Republished Dec. 21.
Shoes, Leather. A. L. Wilson. 249,168, renewed Nov. 6, 1948. O. G. Dec. 21.
Sport suits, pants, shirts, etc., Boys'. Hortex Manufacturing Company. 393,064, Jan. 27, 1942. Republished Dec. 21.
Suits, sport jackets, slacks, etc., Men's and boys'. Rogers Peet Company. 433,468, Oct. 14, 1947. Republished Dec. 21.
Suits, topcoats, and overcoats, Men's and young men's. L. J. Samuels & Co., Inc. 424,890, Oct. 29, 1946. Republished Dec. 21.
Suits, top coats, overcoats, etc., Men's. Bernhardt's Clothes, Inc. 351,262, Sept. 17, 1940. Republished Dec. 21.
Suspenders. Hewes & Potter, Inc. 241,753, May 8, 1928. Republished Dec. 21.
Underwear, Knit and woven. Indera Mills. 98,955, Aug. 11, 1914. Republished Dec. 21.
Underwear, Knit and woven. Indera Mills. 99,052, Aug. 11, 1914. Republished Dec. 21.
Underwear, Knit and woven swim suits, princess slips, etc. Indera Mills Company. 323,206, Apr. 9, 1935. Republished Dec. 21.
Waists and shirts, Children's. R. & J. Waist Company. 171,718, Aug. 14, 1923. Republished Dec. 21.

CLASS 40

Articles for dressing and ornamenting the hair. Siegfried Behr. 306,613, Sept. 26, 1933. Republished Dec. 21.
Bias fold tape, shoe laces, garment lacings, etc. Arkwright, Incorporated. 403,146, Sept. 7, 1943. Republished Dec. 21.
Uniform accoutrement and paraphernalia, Naval and service. Frank Thomas Co., Inc. 354,879, Mar. 1, 1938. Republished Dec. 21.

CLASS 41

Umbrellas. Plymouth Wholesale Dry Goods Corporation. 505,112, Dec. 21; Serial No. 509,467.

CLASS 42

Blankets. Beacon Manufacturing Company. 440,248, Aug. 17, 1948. New certificate. O. G. Dec. 21.
Cotton duck. John Boyle & Company, Incorporated. 247,316, renewed Sept. 25, 1948. O. G. Dec. 21.
Fabrics in the piece, Silk. Onondaga Silk Co., Inc. 249,923–4, renewed Nov. 27, 1948. O. G. Dec. 21.
Fabrics in the piece, Silk. Onondaga Silk Co., Inc. 250,108, renewed Nov. 27, 1948. O. G. Dec. 21.
Laces in the form of piece goods. Van Raalte Company, Inc. 295,818, July 12, 1932. Republished Dec. 21.
Napkins, scarfs for furniture throws, toweling in the piece, etc. Weil & Durrse. 379,377, July 9, 1940. Republished Dec. 21.
Piece goods drills. Bear Mill Manufacturing Company, Inc. 226,132, Mar. 29, 1927. Republished Dec. 21.
Pile-fabric piece goods. J. B. Martin Company. 255,262, renewed Apr. 16, 1949. O. G. Dec. 21.
Shade cloth. Stewart Hartshorn Company. 505,123, Dec. 21; Serial No. 536,307.

Sheets, pillow cases, table linens, etc. Interstate Dry Goods Syndicate. 418,471, Dec. 25, 1945. Republished Dec. 21.
Tablecloths, linens, toweling and napkins. Weil & Durrse. 393,774, Mar. 3, 1942. Republished Dec. 21.
Textile fabrics. E. W. Twitchell, Incorporated. 428,870, Apr. 8, 1947. Republished Dec. 21.
Textile fabrics in the piece. Folker Fabrics Corporation. 432,625, Sept. 9, 1947. Republished Dec. 21.
Woven goods. A. L. Bernheimer. 30,898, Nov. 23, 1897. Republished Dec. 21.

CLASS 43

Yarns. E. W. Twitchell, Incorporated. 404,925, Dec. 28, 1943. Republished Dec. 21.

CLASS 44

Belts, Maternity, surgical supporting belts. Kellogg Corset Company. 504,961, Dec. 21; Serial No. 530,828, published Sept. 14, 1948.
Chemical preparations for use in conservative dentistry. Amalgamated Dental Company, Limited. 441,634, Dec. 21; Serial No. 502,868, published Sept. 14, 1948.
Chin straps. Profile Company, Inc. 505,021, Dec. 21; Serial No. 537,501, published Sept. 14, 1948.
Dental bristle discs. Buffalo Dental Manufacturing Company. 409,602, Oct. 10, 1944. Republished Dec. 21.
Eye impression material. Contact Lens Service, Inc. 505,028, Dec. 21; Serial No. 538,725, published Sept. 14, 1948.
Hair driers, Electric, permanent hair waving machines and parts thereof, etc. Eugene, Ltd. 505,030, Dec. 21; Serial No. 539,142, published Sept. 14, 1948.
Hypodermic injection devices. R. P. Scherer Corporation. 505,071, Dec. 21; Serial No. 545,040, published Sept. 7, 1948.
Instruments for removing comedos or blackheads from the skin. K. F. Eweson. 399,263, Dec. 22, 1942. Republished Dec. 21.
Manicure files. Schnefel Brothers. 164,538, Feb. 20, 1923. Republished Dec. 21.
Medicinal plasters. N. C. Becker. 30,595, Sept. 28, 1897. Republished Dec. 21.
Tweezers, manicure and pedicure nippers, etc. Schnefel Brothers, Inc. 280,084, Feb. 10, 1931. Republished Dec. 21.

CLASS 45

Beverage, Nonalcoholic maltless, and concentrate for making the same. R. J. Reynolds, Jr. 399,930, Feb. 9, 1943. Republished Dec. 21.
Beverages, Carbonated, nonalcoholic, noncereal, maltless, and for syrups and extracts used in making the same. A. Kanner. 301,307, Feb. 28, 1933. Republished Dec. 21.
Beverages in the nature of maltless soft drinks, Nonalcoholic. Davis & Lawrence Company. 505,130, Dec. 21; Serial No. 549,037.

CLASS 46

Apples, Fresh. Bett-Morr Orchards, Inc. 504,979, Dec. 21; Serial No. 532,798, published Sept. 14, 1948.
Bakery goods. J. F. Brown. 239,288, Feb. 28, 1928. Amended. O. G. Dec. 21.
Bakery products. National Tea Co. 251,146, renewed Jan. 1, 1949. O. G. Dec. 21.
Baking soda (bicarbonate of soda). Church & Dwight Co., Inc. 504,924, Dec. 21; Serial No. 526,811, published July 27, 1948.
Baking soda (bicarbonate of soda) and baking powder. Church & Dwight Co., Inc. 504,922, Dec. 21; Serial No. 526,775, published Aug. 24, 1948.
Baking soda (bicarbonate of soda) and baking powder. Church & Dwight Co., Inc. 504,923, Dec. 21; Serial No. 526,803, published Aug. 24, 1948.
Bouillon cubes. Romanoff Caviar Company. 390,287, Sept. 16, 1941. Republished Dec. 21.
Bread. L. Simon. 257,769, June 18, 1929. Republished Dec. 21.
Breads, cakes, buns, etc. Freihofer Baking Company. 297,951, Oct. 4, 1932. Republished Dec. 21.
Candies, Moulded chocolate. Bunte Brothers. 504,892, Dec. 21; Serial No. 484,664, published Sept. 21, 1948.
Candy. Cardinet Candy Company, Inc. 505,070, Dec. 21; Serial No. 544,657, published Sept. 14, 1948.
Candy. Huggins Candy Co. 135,706, Oct. 19, 1920. Republished Dec. 21.
Candy. Mars Incorporated. 239,311, Feb. 28, 1928. Republished Dec. 21.
Candy. Mars, Incorporated. 298,995, Nov. 15, 1932. Republished Dec. 21.
Candy. Mars, Incorporated. 304,055, June 20, 1933. Republished Dec. 21.
Candy. Mars, Incorporated. 308,958, Dec. 26, 1933. Republished Dec. 21.
Candy. Mars, Incorporated. 316,733, Sept. 4, 1934. Republished Dec. 21.
Candy. Mars Incorporated. 343,146, Feb. 9, 1937. Republished Dec. 21.
Candy. Mars, Incorporated. 351,130, Oct. 19, 1937. Republished Dec. 21.
Candy. Mars Incorporated. 353,936, Jan. 25, 1938. Republished Dec. 21.

Candy. Mars, Incorporated. 357,600, June 7, 1938. Republished Dec. 21.
Candy. Mars Incorporated. 377,211, Apr. 23, 1940. Republished Dec. 21.
Candy. National Licorice Company. 274,352, Aug. 26, 1930. Republished Dec. 21.
Candy. Palmer Candy Co. 186,798, July 22, 1924. Republished Dec. 21.
Candy. Planters Nut and Chocolate Co. 231,636, Aug. 23, 1927. Republished Dec. 21.
Candy. Quaker City Chocolate & Confectionery Co. 243,197, June 12, 1928. Republished Dec. 21.
Candy and candy-type sauce for use on cake, ice cream and like foods. Adams Candy Company. 505,126, Dec. 21; Serial No. 539,465.
Candy and licorice. National Licorice Company. 291,110, Jan. 26, 1932. Republished Dec. 21.
Candy bars. Mars, Incorporated. 412,319, Feb. 27, 1945. Republished Dec. 21.
Candy bars. Mars, Incorporated. 414,933, July 3, 1945. Republished Dec. 21.
Candy, Licorice. National Licorice Company. 272,101, July 1, 1930. Republished Dec. 21.
Candy, Licorice. National Licorice Company. 356,117, Apr. 12, 1938. Republished Dec. 21.
Candy, Licorice. National Licorice Company. 359,280, Aug. 9, 1938. Republished Dec. 21.
Canned and bottled vegetables, fruits, fish, etc. Seeman Brothers. 33,314, Aug. 8, 1899. Republished Dec. 21.
Canned citrus fruit juices and fresh citrus fruits. Yuma Mesa Fruit Growers' Association. 504,896, Dec. 21; Serial No. 502,480, published Aug. 31, 1948.
Canned fish. F. H. Fromm. 173,823, Oct. 2, 1923. Republished Dec. 21.
Canned fish. Sardamack Fisheries, Inc. 394,365, Mar. 31, 1942. Republished Dec. 21.
Canned fish, smoked fish, and preserved fish. Van Camp Sea Food Co., Inc. 247,741, renewed Oct. 2, 1948. O. G. Dec. 21.
Canned fruits. Armsby Preserving Co. 71,250, re-renewed Nov. 10, 1948. O. G. Dec. 21.
Canned fruits. Escalon Packers, Inc. 411,310, Jan. 9, 1945. Republished Dec. 21.
Canned fruits. Escalon Packers, Inc. 412,294, Feb. 27, 1945. Republished Dec. 21.
Canned fruits and canned vegetables. California Packing Corporation. 121,700, May 21, 1918. Republished Dec. 21.
Canned fruits, canned vegetables, and tomato paste. Escalon Packers, Inc. 421,940, June 25, 1946. Republished Dec. 21.
Canned fruits, canned vegetables, canned oysters, etc. C. Callahan Company. 254,763, renewed Apr. 2, 1949. O. G. Dec. 21.
Canned grapefruit. Florida Fruit Canners, Inc. 248,116, renewed Oct. 16, 1948. O. G. Dec. 21.
Canned pork and beans, coffee, food flavoring extracts, etc. Southern Food Stores, Inc. 400,227, Feb. 23, 1943. Republished Dec. 21.
Canned sardines. F. H. Fromm & Co. 64,384, Aug. 6, 1907. Republished Dec. 21.
Canned sardines. F. H. Fromm. 169,285, June 12, 1923. Republished Dec. 21.
Canned shrimp. Sea Island Canning Co. 187,153, July 29, 1924. Republished Dec. 21.
Canned tuna. California Marine Curing & Packing Co. 505,009, Dec. 21; Serial No. 536,232, published Sept. 14, 1948.
Canned tuna fish. Ranger Seafood, Inc. 504,972, Dec. 21; Serial No. 531,716, published Sept. 21, 1948.
Canned vegetables. Greencastle Packing Company. 504,914, Dec. 21; Serial No. 520,697, published Sept. 21, 1948.
Canned vegetables. J. B. Inderrieden Co. 504,907, Dec. 21; Serial No. 516,847, published Sept. 7, 1948.
Canned vegetables. Minnesota Consolidated Canneries, Inc. 505,012, Dec. 21; Serial No. 536,268, published Sept. 14, 1948.
Canned vegetables. Norfolk Packing Co. 102,928, Mar. 2, 1915. Republished Dec. 21.
Canned vegetables. Taylor & Caldwell. 254,114, renewed Mar. 12, 1949. O. G. Dec. 21.
Canned vegetables, canned fruits, and canned fish. G. E. Howard. 200,080, June 23, 1925. Republished Dec. 21.
Caviar, Imported Russian sturgeon. Romanoff Caviar Company. 307,758, Oct. 31, 1933. Republished Dec. 21.
Cereals, Breakfast. Centennial Flouring Mills Company. 425,804, Dec. 3, 1946. Republished Dec. 21.
Cheese. Gerber & Co., Inc. 253,232, renewed Feb. 26, 1949. O. G. Dec. 21.
Cheese. J. S. Hoffman Company. 505,076, Dec. 21; Serial No. 546,929, published Sept. 14, 1948.
Cheese. S. A. Egidio Galbani. 270,320, May 6, 1930. Republished Dec. 21.
Cheese. Soc. An. Egidio Galbani. 372,067–8, Oct. 24, 1939. Republished Dec. 21.
Cheeses. Societa Anonima Egidio Galbani. 225,399, Mar. 15, 1927. Republished Dec. 21.
Chilli sauce, pepper-sauce, strawberry preserves, etc. Lutz & Schramm Co. 81,345, Mar. 28, 1911. Republished Dec. 21.
Coffee. Alexander-Balart Company. 251,850, renewed Jan. 15, 1949. O. G. Dec. 21.
Coffee. Jas. H. Forbes Tea and Coffee Company. 189,635, Sept. 23, 1924. Republished Dec. 21.
Coffee. Texas Coffee Company, Incorporated. 271,090, Mar. 27, 1930. Republished Dec. 21.
Coffee, All kinds of. James H. Forbes Tea and Coffee Company. 78,785, July 12, 1910. Republished Dec. 21.
Coffee and tea. Batterton Coffee Company, Inc. 222,236, Dec. 28, 1926. Republished Dec. 21.
Coffee, Blended, spices and food-flavoring extracts. James H. Forbes Tea and Coffee Company. 82,591, July 11, 1911. Republished Dec. 21.
Coffee, chocolate, laundry articles and preparations, scouring and polishing compounds, matches, brooms, and brushes. Charles & Co. 32,514, re-renewed Feb. 21, 1949. O. G. Dec. 21.
Confectionery. Barg & Foster Candy Company. 181,053, Mar. 11, 1924. Republished Dec. 21.
Confectionery. Barg & Foster Candy Company. 181,062, Mar. 11, 1924. Republished Dec. 21.
Confectionery. National Licorice Co. 116,153, Apr. 10, 1917. Republished Dec. 21.
Currants and mincemeat, Dried. W. H. Marvin Company. 231,677–8, Aug. 23, 1927. Republished Dec. 21.
Currants, dates, mincemeat, etc., Dried. W. H. Marvin Company. 232,979, Sept. 20, 1927. Republished Dec. 21.
Currants, Dried. W. H. Marvin Company. 303,773, June 6, 1933. Republished Dec. 21.
Dairy products. Arden Farms Co. 441,669, Dec. 21; Serial No. 498,266.
Egg yolks. Mars, Incorporated. 298,139, Oct. 11, 1932. Republished Dec. 21.
Egg whites. Mars, Incorporated. 298,138, Oct. 11, 1932. Republished Dec. 21.
Eggs, Whole. Mars, Incorporated. 298,137, Oct. 11, 1932. Republished Dec. 21.
Extracts, Pure liquid vanilla, gelatin, dessert powders, pudding powders, etc. W. S. Howard Company. 441,636, Dec. 21; Serial No. 505,652, published Mar. 16, 1948.
Feed, Horse and cattle. Hales & Hunter Co. 337,299, Aug. 4, 1936. Republished Dec. 21.
Feed, Stock and poultry. Ubiko Milling Company. 212,770, May 11, 1926. Republished Dec. 21.
Feeds, Livestock and poultry. Tobin Packing Co., Inc. 411,526, Jan. 23, 1945. Republished Dec. 21.
Figs. Rosenberg Bros. & Co. 84,413, Dec. 12, 1911. Republished Dec. 21.
Fish, Preserved, canned sardines, canned anchovies, etc. C. L. Benson. 106,396, Oct. 19, 1915. Republished Dec. 21.
Flour, Plain. Sunlight Milling Company. 235,923, Nov. 29, 1927. Republished Dec. 21.
Flour, Wheat. Eagle Roller Mill Co. 504,926, Dec. 21; Serial No. 527,027, published Sept. 21, 1948.
Flour, Wheat. Fisher Flouring Mills Company. 306,421, Sept. 19, 1933. Republished Dec. 21.
Flour, Wheat. Newton Milling & Elevator Company. 58,411, Dec. 11, 1906. Republished Dec. 21.
Flour, Wheat. Newton Milling & Elevator Co. 117,583, July 17, 1917. Republished Dec. 21.
Flour, Wheat. Slater Mill & Elevator Company. 99,804–5, Sept. 15, 1914. Republished Dec. 21.
Flour, Wheat. Western Star Mill Co. 238,618, Feb. 14, 1928 Republished Dec. 21
Flour, Wheat, and plain flour. Blish Milling Company. 247,323, renewed Sept. 25, 1948. O. G. Dec. 21.
Food and ingredients for foods. Oregon Dairymen's Co-operative League. 159,975, Oct. 10, 1922. Republished Dec. 21.
Food beverage. Dorset Foods, Ltd. 434,052, Nov. 4, 1947. Republished Dec. 21.
Foods, Animal and poultry. Caro-Green, Inc. 434,002, Nov. 4, 1947. Republished Dec. 21.
Foods, Animal and poultry. B. Varney. 433,672, Oct. 28, 1947. Republished Dec. 21.
Foods, Prepared. R. U. Delapenha & Co. Inc. 291,205, Feb. 2, 1932. Republished Dec. 21.
Foods, Preserved. Bradens California Products, Inc. 358,283, July 5, 1938. Republished Dec. 21.
Fruit, Fresh citrus. W. Daniels. 360,071, Sept. 6, 1938. Republished Dec. 21.
Fruit, Fresh citrus. F. L. Skinner. 504,978, Dec. 21; Serial No. 532,650, published Aug. 3, 1948.
Fruits, Dried. Rosenberg Bros. & Co. 86,670, May 21, 1912. Republished Dec. 21
Fruits, Fresh and canned citrus, canned citrus fruit juices, and citrus fruit jellies and marmalades. Holly Hill Fruit Products, Incorporated. 504,919, Dec. 21; Serial No. 525,486, published Sept. 21, 1948.
Fruits, Fresh citrus. Carpinteria Mutual Citrus Association. 260,997, Sept. 3, 1929. Republished Dec. 21.
Fruits, Fresh citrus. Carpinteria Mutual Citrus Association. 353,272, Dec. 28, 1937. Republished Dec. 21.
Fruits, Fresh citrus. Carpinteria Mutual Citrus Association. 353,396, Jan. 4, 1938. Republished Dec. 21.
Fruits, Fresh citrus. Corona Citrus Association. 322,903, Mar. 26, 1935. Republished Dec. 21.
Fruits, Fresh citrus. Covina Orange Growers Association. 505,039, Dec. 21; Serial No. 539,854, published Sept. 14, 1948.
Fruits, Fresh citrus. East Highlands Citrus Association. 232,444, Sept. 6, 1927. Republished Dec. 21.

Fruits, Fresh citrus. East Highlands Citrus Association. 237,323, Jan. 10, 1928. Republished Dec. 21.
Fruits, Fresh citrus. Elderwood Citrus Association. 374,411, Jan. 9, 1940. Republished Dec. 21.
Fruits, Fresh citrus. Orosi Foothill Citrus Association. 417,505, Oct. 30, 1945. Republished Dec. 21.
Fruits, Fresh citrus. Sequoia Citrus Association. 375,791, Feb. 27, 1940. Republished Dec. 21.
Fruits, Fresh citrus. Sequoia Citrus Association. 394,956, May 5, 1942. Republished Dec. 21.
Fruits, Fresh citrus. Whittier Select Citrus Association. 308,303, Nov. 28, 1933. Republished Dec. 21.
Fruits, Fresh citrus. Whittier Select Citrus Association. 308,306, Nov. 28, 1933. Republished Dec. 21.
Fruits, Fresh citrus. Whittier Select Citrus Association. 309,382, Jan. 9, 1934. Republished Dec. 21.
Fruits, Fresh citrus. Whittier Select Citrus Association. 312,415, Apr. 24, 1934. Republished Dec. 21.
Fruits, Fresh deciduous. California Fruit Exchange. 504,903, Dec. 21; Serial No. 511,375, published Sept. 21, 1948.
Fruits, Fresh deciduous, fresh vegetables, and fresh melons. Rose Valley Produce Company. 432,085, Aug. 19, 1947. Republished Dec. 21.
Fruits, Fresh deciduous, fresh vegetables, and fresh melons. Rose Valley Produce Company. 432,235, Aug. 26, 1947. Republished Dec. 21.
Grapes, Fresh. M. D. Hopper. 211,900, Apr. 20, 1926. Republished Dec. 21.
Gravy mix, Powdered, powdered soup mixes, granulated bouillon cubes, etc. Romanoff Caviar Company. 417,616, Nov. 6, 1945. Republished Dec. 21.
Juice, Tomato, spaghetti sance, jellies, etc. George B. Vrooman, Inc. 376,122, Mar. 12, 1940. Republished Dec. 21.
Lemons. Carpinteria Mutual Citrus Association. 355,234, Mar. 8, 1938. Republished Dec. 21.
Lemons, Fresh. Chula Vista Mutual Lemon Association, Inc. 257,832, June 18, 1929. Republished Dec. 21.
Licorice, Stick, licorice chewing gum, and licorice wafers. National Licorice Company. 88,935, Oct. 29, 1912. Republished Dec. 21.
Marshmallow cream. Union Starch & Refining Co. 504,904, Dec. 21; Serial No. 513,992, published Sept. 14, 1948.
Meats, Smoked, cooked meats, smoked and fresh. Rapid City Packing Company. 249,873, renewed Nov. 20, 1948. O. G. Dec. 21.
Milk, Evaporated. Midland Cooperative Dairy Ass'n. 419,524, Feb. 19, 1946. Republished Dec. 21.
Milk, Evaporated. Scientrol, Inc. 417,559, Oct. 30, 1945. Republished Dec. 21.
Nut meats and spices. Miller Bros. Packaged Foods Co. 441,649–50, Dec. 21; Serial Nos. 511,404–5, published Sept. 21, 1948.
Oysters. Haas Brothers. 24,182, Feb. 6, 1894. Republished Dec. 21
Peanut butter. Rosefield Packing Company, Ltd. 504,940, Dec. 21; Serial No. 529,307, published July 6, 1948.
Peanuts, Chocolate-covered. Planters Nut and Chocolate Co. 237,034, Jan. 3, 1928. Republished Dec. 21.
Peanuts, Salted. J. M. Mathes. 441,632, Dec. 21; Serial No. 497,672, published Sept. 21, 1948.
Pears in their natural state, Fresh. Ukiah Fruit Growers, Incorporated. 235,588, Nov. 22, 1927. Republished Dec. 21.
Pickles. W & W Pickle & Canning Co. 253,065, renewed Feb. 19, 1949. O. G. Dec. 21.
Pop corn in its natural state. Central Popcorn Company. 352,245, Nov. 23, 1937. Republished Dec. 21.
Pork products, Smoked. Arpeako, Inc. 251,872, Jan. 15, 1929. Republished Dec. 21.
Poultry food. Fisher Flouring Mills Company. 107,911, Jan. 4, 1916. Republished Dec. 21.
Rabbit, Quick frozen California domestic. H. F. Pelphrey & Son. 383,049, Nov. 19, 1940. Republished Dec. 21.
Raisins, Dried. Rosenberg Bros. & Co. 260,184, Aug. 20, 1929. Republished Dec. 21.
Rice and rice flour. Rosenberg Bros. & Co. 180,019, Feb. 19, 1924. Republished Dec. 21.
Salt. Ohio Salt Company. 248,268, renewed Oct. 16, 1948. O. G. Dec. 21.
Salt. Smoked Salt Company. 230,542, July 26, 1927. Republished Dec. 21.
Salt. Worcester Salt Company. 288,488, Oct. 27, 1931. Republished Dec. 21.
Sardines packed in oil. F. H. Fromm. 182,790, Apr. 15, 1924. Republished Dec. 21.
Sausage seasoning. A. C. Legg Packing Company Inc. 188,088, Aug. 19, 1924. Republished Dec. 21.
Seasoning. A. C. Legg Packing Company, Inc. 285,453, July 28, 1931. Republished Dec. 21.
Seasoning. A. C. Legg Packing Company, Inc. 286,124, Aug. 18, 1931. Republished Dec. 21.
Soy sauce. Wing Nien Soy Sauce Mfg. Co. 441,646, Dec. 21; Serial No. 510,140, published Sept. 21, 1948.
Tomato paste. Escalon Packers, Inc. 417,301, Oct. 23, 1945. Republished Dec. 21.
Vegetables, Fresh. Joe Bracker. 441,663, Dec. 21; Serial No. 522,664, published Sept. 21, 1948.
Vegetables, Fresh. N. Gianandrea. 504,999, Dec. 21; Serial No. 535,028, published Sept. 14, 1948.
Vegetables, Fresh. G. J. Hollenbeck. 244,375, renewed July 17, 1948. O. G. Dec. 21.
Vegetables, Fresh. P. F. Likins. 505,113, Dec. 21; Serial No. 510,847.
Vegetables, Fresh, fresh citrus fruits, fresh deciduous fruits. J. B. Hardwicke. 307,085, Oct. 17, 1933. Republished Dec. 21.
Vegetables, Frozen. Ventura Farms Frozen Foods, Inc. 441,656, Dec. 21; Serial No. 514,859, published Sept. 21, 1948.

CLASS 47

Sherry. R. U. Delapenha & Co. Inc. 408,761, Aug. 29, 1944. Republished Dec. 21.
Wine, Sherry. Geo. G. Sandeman Sons & Co. Limited. 91,703, May 20, 1913. Republished Dec. 21.
Wines. Companhia Geral Da Agricultura Das Vinhas Do Alto Douro. 316,340, Aug. 21, 1934. Republished Dec. 21.
Wines. Companhia Geral Da Agricultura Das Vinhas Do Alto Douro. 328,081, Sept. 17, 1935. Republished Dec. 21.
Wines. Companhia Geral Da Agricultura Das Vinhas Do Alto Douro. 338,236, Sept. 1, 1936. Republished Dec. 21.
Wines. Crest View Winery, Inc. 421,420, June 4, 1946. Republished Dec. 21.
Wines. Napa & Sonoma Wine Co. 395,601, June 2, 1942. Republished Dec. 21.
Wines. H. Sanchez. 397,354, Sept. 1, 1942. Republished Dec. 21.
Wines. Schenley Import Corporation. 406,223, Mar. 14, 1944. Republished Dec. 21.
Wines. Supreme Wine Co., Inc. 352,820, Dec. 14, 1937. Republished Dec. 21.

CLASS 49

Beverages, Potable distilled spirituous. W. A. Haller Company, Inc. 411,821, Feb. 6, 1945. Republished Dec. 21.
Brandy. R. U. Delapenha & Co. Inc. 403,827, Oct. 19, 1943. Republished Dec. 21.
Brandy. Napa & Sonoma Wine Co. 396,809, Aug. 4, 1942. Republished Dec. 21.
Rum. Saccone, Speed & Jenney, Inc. 363,448, Dec. 27, 1938. Republished Dec. 21.
Rum. White, Keeling (Rum) Limited. 343,391, Feb. 16, 1937. Republished Dec. 21.
Whiskies, Blended scotch. Mitchell Brothers Limited. 73,476, Apr. 20, 1909. Republished Dec. 21.
Whisky. James Buchanan & Co. Limited. 303,740, June 6, 1933. Republished Dec. 21.
Whisky. Bulloch Lade & Co. Limited. 320,177, Dec. 18, 1934. Republished Dec. 21.
Whisky. John Hopkins & Co. Limited. 312,961, May 15, 1934. Republished Dec. 21.
Whisky. Mitchell Brothers Limited. 313,425, May 29, 1934. Republished Dec. 21.
Whisky, Blended. Mitchell Brothers Limited. 90,561, Mar. 4, 1913. Republished Dec. 21.
Whisky, Blended scotch (in bottles only). William Grant & Sons, Limited. 346,426, May 25, 1937. Republished Dec. 21.
Whisky, rum, gin, etc. J. H. & J. Brooke, Limited. 341,076, Dec. 1, 1936. Republished Dec. 21.
Whisky, Scotch. J. H. & J. Brooke, Limited. 341,075, Dec. 1, 1936. Republished Dec. 21.
Whisky, Scotch. Daniel Crawford & Son Limited. 313,400, May 29, 1934. Republished Dec. 21.
Whisky, Scotch. Findlater Mackie Todd & Co. Limited. 347,489, June 29, 1937. Republished Dec. 21.
Whisky, Scotch. William Greer & Co. Limited. 369,476, July 25, 1939. Republished Dec. 21.
Whisky, Scotch. John & Robt. Harvey & Company Limited. 317,156, Sept. 18, 1934. Republished Dec. 21.
Whisky, Scotch. John Robertson & Son, Limited. 63,050, June 4, 1907. Republished Dec. 21.
Whisky, Scotch. John Robertson & Son Limited. 389,969, Sept. 2, 1941. Republished Dec. 21.
Whisky, Scotch. Speyburn-Glenlivet Distillery Co. Limited. 380,009, Aug. 6, 1940. Republished Dec. 21.
Whisky, Scotch. Wright & Greig Limited. 313,015, May 15, 1934. Republished Dec. 21.
Whisky, Scotch. Wright & Greig Limited. 314,055, June 19, 1934. Republished Dec. 21.

CLASS 50

Cloth resembling artificial leather, Coated. Weymouth Art Leather Company. 434,158, Nov. 11, 1947. Republished Dec. 21.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ellis Drier Co., The, assignee: *See*—
Ellis, Hubert C.

Ellis, Hubert C., Evanston, assignor to The Ellis Drier Co., Chicago, Ill. Washing machine with pivotally supported outer and inner shells and power means on the outer shell for rotating the inner shell. Re. 23,065, Dec. 21.

Moseley, Francis L., Chevy Chase, Md., assignor to The Sperry Corporation. Electrical control system. Re. 23,066, Dec. 21.

Sperry Corporation, The, assignee: *See*—
Moseley, Francis L.

LIST OF DESIGN PATENTEES

Andres, Lloyd J., Itasca, assignor to Fidelitone Incorporated, Chicago, Ill. Tone arm. 152,133, Dec. 21.

Autogiro Company of America, assignee: *See*—
Knack, Frederick J.

Balcrank, Inc., assignee: *See*—
Field, Richard P.

Bauman, Howard A., assignor to Enger-Kress Company, West Bend, Wis. Combined billfold, purse, and memorandum pad holder. 152,134, Dec. 21.

Becker, Stephen P., Poughkeepsie, N. Y. Hot line tap. 152,135, Dec. 21.

Berry, James D., Los Angeles, Calif. Washing device or similar article. 152,136, Dec. 21.

Bersudsky, Sidney, Sidney, Nova Scotia, Canada. Flashlight or similar article. 152,137, Dec. 21.

Boston Stove Foundry Company, assignee: *See*—
Covey, Laird F.

Bradley, C. C., & Son, Inc., assignee: *See*—
During, William J., and Punke.

Braun, Gustav F.: *See*—
Dann, Charles W., Braun, and Somers.

Century Sportswear Co., Inc., assignee: *See*—
Cohen, Oscar H.

Cohen, Oscar H., Brighton, assignor to Century Sportswear Co., Inc., Boston, Mass. Skirt ensemble or similar article of wearing apparel. 152,138, Dec. 21.

Covey, Laird F., Stamford, Conn., assignor to Boston Stove Foundry Company, Reading, Mass. Combined top, back guard panel, timer and utility compartment for a cooking range. 152,139, Dec. 21.

Crawford, Marion B., Western Springs, and E. C. Mitchell, Oak Park, assignors to United Air Lines, Inc., Chicago, Ill. Cargo container. 152,140, Dec. 21.

Crawford, Marion B., Western Springs, and E. C. Mitchell, Oak Park, assignors to United Air Lines, Inc., Chicago, Ill. Cargo container. 152,141, Dec. 21.

Dann, Charles W., Malden, Mass., and G. F. Braun, Elizabeth, and R. M. Somers, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Dictating machine. 152,142, Dec. 21.

Douglas, Gordon, Los Angeles, Calif. Combination coffee table and bar. 152,143, Dec. 21.

Drewniak, Matthew L., Buffalo, N. Y. Glider swing. 152,144, Dec. 21.

During, William J., Fayetteville, and J. J. Punke, Dewitt, assignors to C. C. Bradley & Son, Inc., Syracuse, N. Y. Drink vending machine. 152,145, Dec. 21.

Edison, Thomas A., Incorporated, assignee: *See*—
Dann, Charles W., Braun, and Somers.

Eldridge, Joseph G., Spring Valley, assignor to Sears, Roebuck and Co., Chicago, Ill. Thermostat cover. 152,146, Dec. 21.

Ellesson, George M., Bridal Veil, Oreg., assignor to G. M. Ellesson Company, Chicago, Ill. Watch band clip. 152,147, Dec. 21.

Ellesson, G. M., Company, assignee: *See*—
Ellesson, George M.

Enger-Kress Company, assignee: *See*—
Bauman, Howard A.

Federal Telephone and Radio Corporation, assignee: *See*—
Kniep, Louis, Jr.

Fidelitone Incorporated, assignee: *See*—
Andres, Lloyd J.

Field, Richard P., Cincinnati, assignor to Balcrank, Inc., Disney, near Marburg, Cincinnati, Ohio. Cabinet for lubricating equipment. 152,148, Dec. 21.

Fine, Alex, assignor to Stuart Inc., St. Paul, Minn. Doll. 152,149, Dec. 21.

Glass, Marvin, Chicago, Ill. Toy figure. 152,150, Dec. 21.

Goodwin, Fred W., Berkeley, Calif. Fire grate. 152,151, Dec. 21.

Halvas, Andrew, Astoria, N. Y. Airplane toy. 152,152, Dec. 21.

Harvey, Norman J., Bellevue, Nebr. Step. 152,153, Dec. 21.

Hoffmann, William E., assignor to Timely Toys, Inc., St. Louis, Mo. Toy automobile. 152,154, Dec. 21.

International Business Machines Corporation, assignee: *See*—
Kress, George H.

Jacoff, Sydney, Kew Gardens, N. Y. Screw driver. 152,155, Dec. 21.

Jenks, Albert L., Dixon, assignor to Motorola, Inc., Chicago, Ill. Radio receiver cabinet. 152,156, Dec. 21.

Jones, Llewellyn T., Akron, Ohio. Hand protecting grip. 152,157, Dec. 21.

Karstadt, Clarence, Glen Ellyn, Ill. Food mixer. 152,158, Dec. 21.

Kemper, Robert J., San Carlos, Calif. Pitcher. 152,159, Dec. 21.

Klotz, Joseph, assignor to Mason-Williams Company, Chicago, Ill. Game table top. 152,160, Dec. 21.

Knack, Frederick J., New York, N. Y., assignor to Autogiro Company of America, Philadelphia, Pa. Rotary winged aircraft. 152,161, Dec. 21.

Kniep, Louis, Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Telephone hand set. 152,162, Dec. 21.

Kress, George H., Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Record file. 152,163, Dec. 21.

Larsen, Henry E., Hollywood, Calif. Combination cigarette and match container. 152,164, Dec. 21.

Lowe, Joe, Corporation, assignee: *See*—
Roth, Ernest J.

Mabs, Inc., assignee: *See*—
Minger, Robert E.

Mason-Williams Company, assignee: *See*—
Klotz, Joseph.
Warner, Michael M.

Merrico, John, Amelia, Ohio. Whirling toy. 152,165, Dec. 21.

Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 152,166, Dec. 21.

Mitchell, Edwin C.: *See*—
Crawford, Marion B., and Mitchell.

Montagne, Gerald C., Urbana, Ohio. Parts box. 152,167, Dec. 21.

Motorola, Inc., assignee: *See*—
Jenks, Albert L.

Murray Corporation of America, The, assignee: *See*—
Trombley, Bertrand N.

Potter, Berlee M., El Dorado, Kans. Fish lure. 152,168, Dec. 21.

Punke, John J.: *See*—
During, William J., and Punke.

Raney, Robert M., Euclid, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery cover. 152,169, Dec. 21.

Roth, Ernest J., Rockleigh, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Automatic doughnut machine. 152,170, Dec. 21.

Russell, Peyton R., Beaver, Pa. Traffic signal or similar article. 152,171, Dec. 21.

Ryder, Lee H., Dover, N. H. Wheelbarrow. 152,172, Dec. 21.

Sears, Roebuck and Co., assignee: *See*—
Eldridge, Joseph G.

Seidler, William, New York, N. Y. Laundry bag or the like. 152,173, Dec. 21.

Shurebite Inc., assignee: *See*—
Sisco, Alexander.

Silverman, Max H., New York, N. Y. Game board. 152,174, Dec. 21.
Silverman, Max H., New York, N. Y. Game board. 152,175, Dec. 21.
Sisco, Alexander, assignor to Shurebite Inc., Bronson, Mich. Fish lure. 152,176, Dec. 21.
Somers, Richard M.: *See*—
Dann, Charles W., Braun, and Somers.
Stuart Inc., assignee: *See*—
Fine, Alex.
Timely Toys, Inc., assignee: *See*—
Hoffmann, William E.
Trombley, Bertrand N., Birmingham, assignor to The Murray Corporation of America, Detroit, Mich. Accessory lamp for a cook stove. 152,177, Dec. 21.
Trombley, Bertrand N., Birmingham, assignor to The Murray Corporation of America, Detroit, Mich. Splash back trim for a stove. 152,178, Dec. 21.
United Air Lines, Inc., assignee: *See*—
Crawford, Marion B., and Mitchell.
Valley, Earl M., Englewood, Ohio. Radio cabinet. 152,179, Dec. 21.
Wagner, Elmert A., Portland, Oreg. Lift truck. 152,180, Dec. 21.
Warner, Michael M., Winnetka, assignor to Mason-Williams Company, Chicago, Ill. Game table top. 152,181, Dec. 21.
Willard Storage Battery Company, assignee: *See*—
Raney, Robert M.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF DECEMBER, 1948

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AMP Corporation, assignee: *See*—
Thompson, Parke H.
Adams, Mozel A., Evangeline, La. Artificial bait. 2,456,665, Dec. 21.
Addressograph-Multigraph Corporation, assignee: *See*—
Curtis, Franklin E.
Hueber, Carl J.
Adel Precision Products Corp., assignee: *See*—
Kremilier, Arthur E.
Aeronca Aircraft Corporation, assignee: *See*—
Chaille, Charles J.
Aero Zipp Fasteners Limited, assignee: *See*—
Engel, Erich.
Agate, Charlton S., Esher, and A. H. Cooper, Iver, assignors to Electric & Musical Industries, Limited, Hayes, England. Radio direction finding system. 2,456,666, Dec. 21.
Agnew, A. Gifford: *See*—
De Simone, Michele G.
Agriculture, The United States of America as represented by the Secretary of, assignee: *See*—
Rehberg, Chessie E., and Fisher.
Woodward, Charles F., Saunders, and Provost.
Air Reduction Company, assignee: *See*—
Krohn, Emil F.
Alger, Harley C., Chicago, Ill. Type for gravure printing. 2,456,608, Dec. 21.
Allied Chemical & Dye Corporation, assignee: *See*—
Engel, Karl H.
Alter, Harry A., assignor to the W. W. Boes Company, Dayton, Ohio. Electrical measuring instrument. 2,456,667, Dec. 21.
American Brake Shoe Company, assignee: *See*—
Spokes, Ray E.
American Can Company, assignee: *See*—
Berglund, Ralph M.
Nordquist, Ronald E. J.
American Cyanamid Company, assignee: *See*—
Simard, Gerald L., and Stryker.
American Electro Metal Corporation, assignee: *See*—
Goetzel, Claus G.
American Fixture & Manufacturing Co., assignee: *See*—
Nash, John J.
American Steel Foundries, assignee: *See*—
Heater, Charles L.
American Viscose Corporation, assignee: *See*—
Chaney, David W.
Anderson, Clarence N., Northwood, Iowa. Power-operated fence post driver. 2,456,852, Dec. 21.
Anderson, Karl V., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Oil circulating means for pistons and connecting rods. 2,456,668, Dec. 21.
Andrews, William, Gateshead-on-Tyne, England, assignor to Metal and Thermit Corporation, New York, N. Y. Welding electrodes. 2,456,609, Dec. 21.
Animal Trap Company of America, assignee: *See*—
Koch, Harold B., and Lehn.
Arbron, Thomas J., Romeo, Mich. Mold coating method and apparatus. 2,456,853, Dec. 21.
Archambault, Anthony A., Canton, Mass. Quickly adjustable clamping vise. 2,456,613, Dec. 21.
Armco Steel Corporation, assignee: *See*—
Loveless, Donald L.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Arnott, Edward G. F.: *See*—
Sullivan, Harold J., and Arnott.
Arnott, Edward G. F., Upper Montclair, C. M. Slack, Glen Ridge, and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-pressure modulator tube. 2,456,854, Dec. 21.
Arnott, Edward G. F., Upper Montclair, and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Unitary multiple spark-gap device. 2,456,855, Dec. 21.
Arone, Nicholas F.: *See*—
Linde, Leonard J., Arone, and Spiro.
Arp, Claus, San Francisco, Calif. Collapsible tube holder. 2,457,024, Dec. 21.
Associated Products, Inc., assignee: *See*—
Pierson, Charles A.
Attorney General of the United States, Vested in the: *See*—
Bechereau, Louis.
Automatic Electric Laboratories, Inc., assignee: *See*—
Kucera, Barney J.
Avco Manufacturing Corporation, assignee: *See*—
Snader, Ira J.
Snader, Ira J., and Forsyth.
Ayestas, Maria A., assignee: *See*—
Dominguez A, Roberto.
Bach, Peter J., Brentwood, and J. H. Simpson, assignors to Mines Equipment Company, St. Louis, Mo. Electrical connector. 2,456,764, Dec. 21.
Baker, James A., Shorewood, assignor to Milprint, Inc., Milwaukee, Wis. Package assembly. 2,456,610, Dec. 21.
Baker, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency dielectric heating apparatus. 2,456,611, Dec. 21.
Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Marine reversing gear. 2,456,614, Dec. 21.
Bassett Research Corporation, assignee: *See*—
Strandhagen, Harry I.
Bastian-Blessing Company, The, assignee: *See*—
Butter, William C., and Sundstrom.
Bath, Cyril J., Cleveland, Ohio, assignor to The Cyril Bath Company. Bolster block. 2,456,856, Dec. 21.
Baudry, René A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamo-electric machine. 2,456,612, Dec. 21.
Bauer, Russell L., Brentwood, Mo. Hair drier. 2,456,669, Dec. 21.
Beach, Leland K., Mountainside, N. J., assignor to Standard Oil Development Company. Selective copper solvent for diolefin extraction. 2,456,723, Dec. 21.
Béchereau, Louis, Paris, France; vested in the Attorney General of the United States. Supporting surfaces for aircraft. 2,456,906, Dec. 21.
Becker, Stephen P., assignor to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Line tap clamp. 2,456,808, Dec. 21.
Bedford, Leslie H., London, and J. Bell and E. M. Langham, Teddington, assignors to A. C. Cossor Limited, London, England. Cathode-ray tube. 2,456,809, Dec. 21.
Behr-Manning Corporation, assignee: *See*—
Oglesby, Nicholas E.
Bell & Howell Company, assignee: *See*—
Knutson, Norman T., and Foote.
Bell, John: *See*—
Bedford, Leslie H., Bell, and Langham.
Bell Telephone Laboratories, Incorporated, assignee: *See*
Curtis, Austen M.
Mao, Yu-Yeh A.
Bemis, Kenneth E., Oakland, Calif. French frying apparatus. 2,456,810, Dec. 21.
Benignus, Paul G., Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Fungus-proofing composition. 2,457,025, Dec. 21.
Berberich, Leo. J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overload relay. 2,456,907, Dec. 21.
Bergantino, Joseph F., San Francisco, Calif. Clothespin. 2,457,026, Dec. 21.
Bergh, Philip, Forest Hills, N. Y. Motion-picture target. 2,456,857, Dec. 21.
Berglund, Ralph M., Seattle, Wash., assignor to American Can Company, New York, N. Y. Making vent valves for containers. 2,456,615, Dec. 21.
Bertram, William A., Chicago, Ill. Bottle holder and carrier. 2,457,027, Dec. 21.
Better Packages, Inc., assignee: *See*—
Cullin, Jasper F.
Beynon, Nathan T., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Cellulose compound wrinkle composition. 2,456,670, Dec. 21.
Beynon, Nathan T., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Flexible material with wrinkle-textured coating. 2,456,671, Dec. 21.
Binkley, Stephen B.: *See*—
Doisy, Edward A., Thayer, MacCorquodale, McKee, and Binkley.
Bishop, Howard B., assignee: *See*—
Smiley, Lloyd D., and Lansing.
Blackburn, Richard K., East Hartford, assignor to Crystal Research Laboratories, Incorporated, Hartford, Conn. Piezoelectric temperature measuring and control system. 2,456,811, Dec. 21.
Blacker, Latham V. S., Fittleworth, Pulborough, England. Recoilless gun. 2,456,812, Dec. 21.
Blickman, S., Inc., assignee: *See*—
Clachko, Josiah S.
Bloch, Godfrey, Incorporated, assignee: *See*—
Moore, David P.
Bloch, Herman S., Chicago, and R. E. Schaad, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,456,672, Dec. 21.

Blumlein, Alan D.: *See*—
Cork, Edward C. and A. D. and D. Blumlein.

Blumlein, Doreen, executrix: *See*—
Cork, Edward C., and A. D. and D. Blumlein.

Boes Company, The W. W., assignee: *See*—
Alter, Harry A.

Bollaert, Remi, Oakland, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Crane control. 2,456,908, Dec. 21.

Bolling, William F., Norton, Va. Combination knife, fork, and spoon. 2,456,858, Dec. 21.

Borell, George L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Hot-wire bridge overspeed controller. 2,456,765, Dec. 21.

Borg-Warner Corporation, assignee: *See*—
Campbell, John D., and Roth.

Bors, Zolton J., Tonawanda, N. Y. Immersion heater. 2,457,028, Dec. 21.

Boyce Thompson Institute for Plant Research, Inc., assignee: *See*—
Prill, Edward A.

Brasch, Arno, Brookiyn, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation. Sterilizing and preserving. 2,456,909, Dec. 21.

Breuer Electric Mfg. Company, assignee: *See*—
Lanter, Clarence W.

Brockway, Wilhelm W., Los Angeles, Calif. Wall radio. 2,457,029, Dec. 21.

Brown, Harold J., Indianapolis, Ind., assignor to Electronic Laboratories Incorporated. Vibrator regulating system. 2,456,910, Dec. 21.

Bruce, William F., Penfield, Upper Darby, assignor to Wyeth Incorporated, Philadelphia, Pa. Disubstituted acetamidyl derivatives of amino-quinolines. 2,456,911, Dec. 21.

Brumby, Arnoldus S.: *See*—
Fontaine, John P. K., and Brumby.

Brush Development Company, The, assignee: *See*—
Kjellgren, Bengt R. F.
Robinson, Arthur M.
Surmatis, Joseph D.

Bryant Electric Company, The, assignee: *See*—
Hodgkins, Charles H.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Interchangeable front and rear drive axle. 2,456,616, Dec. 21.

Bugatti, Ettore, Paris, France. Chuck. 2,457,030, Dec. 21.

Bundren, Harry E., and V. A. Vicksell, Kansas City, Mo. Safety window lock. 2,456,766, Dec. 21.

Burch, Lyndon W., Detroit, Mich. Liquid level indicator. 2,456,617, Dec. 21.

Burrows, Edwin N., Detroit, Mich. Collapsible and adjustable filter and strainer. 2,456,912, Dec. 21.

Bush, A. G., assignee: *See*—
Criner, Harry J.

Butler, Matthew B., assignee: *See*
Graves, Michael, and Lankovski.

Buttner, William C., Evanston, and S. L. Sundstrom, assignors to The Bastian-Blessing Company, Chicago, Ill. Fitting. 2,456,913, Dec. 21.

Cairns, John E. I., Chalfont-St.-Peter, and C. D. Docherty, assignors to Electric & Musical Industries Limited, Hayes, England. Chuck. 2,456,914, Dec. 21.

Camerino, Ernest, New York, N. Y. Oil burner blower housing. 2,456,673, Dec. 21.

Campbell, John D., Lakewood, and J. M. Roth, Euclid, Ohio, assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Aircraft anti-icing arrangement. 2,457,031, Dec. 21.

Campbell, John H., Altamont, N. Y., assignor to General Electric Company. Electric discharge apparatus. 2,456,859, Dec. 21.

Campbell, John H., Altamont, N. Y., assignor to General Electric Company. Electric discharge apparatus. 2,456,860, Dec. 21.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Combination of magnetic transducing and erasing heads. 2,456,767, Dec. 21.

Carborundum Company, The, assignee: *See*—
Upper, Frederick A.

Carless, Lionel S., Mountain View, N. J. Ammunition booster control. 2,456,618, Dec. 21.

Carlisle Shoe Company, assignee: *See*—
Fennessy, William M.

Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Angle modulated wave detector. 2,456,915, Dec. 21.

Carter, John M., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator and cathode construction for electricity of ultra high frequency. 2,456,861, Dec. 21.

Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Cutlery display board. 2,457,032, Dec. 21.

Caughey, Robert A., Wilton, N. H. Apparatus for drying finely divided materials while suspended in a gas. 2,456,674, Dec. 21.

Cavins, Omar A., Taft, Calif. Golf putting device. 2,456,813, Dec. 21.

Celanese Corporation of America, assignee: *See*—
Dreyfus, Camille, Rowley, and Thompson.

Chadwick, George A., Washington Grove, Md., and P. H. Gironard, Washington, D. C. Ammunition stowage and handling. 2,456,620, Dec. 21.

Chaille, Charles J., assignor to Aeronca Aircraft Corporation, Middletown, Ohio. Tube bender. 2,456,675, Dec. 21.

Chalberg, Harry W. A., Berne, N. Y., assignor to General Electric Company. Electric blanket control. 2,456,916, Dec. 21.

Chaney, David W., Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Polyfluorinated propionitriles. 2,456,768, Dec. 21.

Chapman, Mary E. H., Crane, Mo. Foldable kitchen table. 2,456,862, Dec. 21.

Cheek, Alvah R., Thurman, Iowa. Engine head lifting tool. 2,456,917, Dec. 21.

Cheney, Azro J., Jr., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Extruding polytetrafluoroethylene and coating articles therewith. 2,456,621, Dec. 21.

Chizek, Joseph, Franksville, and F. J. Gast, Racine, Wis. Harvesting machine for onions. 2,456,863, Dec. 21.

Chowns, William C., East Detroit, Mich. Slide indicator rule. 2,456,676, Dec. 21.

Christensen, Alfred C., Chicago, and R. L. McIlvaine, Glencoe, assignors, to H. S. Simpson, Evanston, Ill. Reclaiming foundry sand. 2,456,769, Dec. 21.

Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Power-operated wrench. 2,456,814, Dec. 21.

Church, Howard, Los Gatos, assignor to The Permanente Metals Corporation, Oakland, Calif. Distillation of volatilizable metals. 2,456,918, Dec. 21.

Cities Service Oil Company, assignee: *See*—
Morgan, John D., and Lowe.

Clachko, Josiah S., Ridgefield Park, assignor to S. Blickman, Inc., Weehawken, N. J. Chart carrier. 2,456,677, Dec. 21.

Clapham, Harry F., Wilmington, Del., and M. Harris, Bethesda, and A. L. Smith, Suitland, Md.; said Harris and said Smith assignors to Harris Research Laboratories, a partnership. Treatment of wool to impart shrinkage resistance thereto. 2,457,033, Dec. 21.

Clark, Reid M., Stoneville, N. C. Tobacco clip. 2,456,622, Dec. 21.

Clausing, Henry G., assignor to Vulcan Corporation, Portsmouth, Ohio. Graduating and measuring device for shoe lasts. 2,456,815, Dec. 21.

Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Improving water-resistant characteristics of resins and resinous articles, and resinous products resulting therefrom. 2,456,919, Dec. 21.

Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Improving water-resistant characteristics of resins and resinous articles, and resinous products resulting therefrom. 2,456,920, Dec. 21.

Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Improving water-resistant characteristics of resins and resinous articles, and resinous products resulting therefrom. 2,456,921, Dec. 21.

Cogovan, Edward J., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Fabric. 2,456,922, Dec. 21.

Cogovan, Edward J., Amsterdam, and L. R. Jones, Broadalbin, assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Making fabrics. 2,456,923, Dec. 21.

Cole, Frank B., Asheville, N. C. Gas flame regulator. 2,456,864, Dec. 21.

Cole, John D., Dayton, Ohio. Golf glove. 2,456,678, Dec. 21.

Collier-Keyworth Company, assignee: *See*—
Sheldrick, Henry W.

Collister, Hugh, Grand Rapids, Mich. Ice cube tray. 2,456,924, Dec. 21.

Colonial Sugars Company, assignee: *See*—
Swenson, Oscar J.

Colvin, Joseph H., assignee: *See*—
Goldberg, Ralph.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Patton, James G.

Cooper, Arthur H.: *See*—
Agate, Charlton S., and Cooper.

Cooper, William H., Atlanta, Ga. Hydraulic cylinder and packing holder. 2,456,623, Dec. 21.

Corey, Lorin A., Cleveland Heights, and T. S. Mayner, Willoughby Township, Lake County, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Thread drying apparatus. 2,456,925, Dec. 21.

Cork, Edward C., Ealing, London, and A. D. Blumlein, deceased; by D. Blumlein, executrix, Lescudjack, Penzance, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. High-frequency impedance bridge. 2,456,679, Dec. 21.

Corning Glass Works, assignee: *See*—
Hyde, James F.

Cossor, A. C., Limited, assignee: *See*—
Bedford, Leslie H., Bell, and Langham.

Cottingham, Howard L., Racine, Wis. Flexible wheel drive. 2,456,865, Dec. 21.

Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine, including gangs of rotary disk knives. 2,456,866, Dec. 21.

Croft, Harry E., Chicago, Ill. Flashlight. 2,456,680, Dec. 21.

Crone, Thomas B., Tacoma, Wash. Soldering and tinning flux. 2,456,624, Dec. 21.

Crosley Motors, Inc., assignee: *See*—
Klotsch, Paul.

Crowley, John A., Jr.: *See*—
Utterback, Ernest, Sinclair, and Crowley.

Crystal Research Laboratories, Incorporated, assignee: *See*—
Blackburn, Richard K.

Cullin, Helen A., administratrix: *See*—
Cullin, Jasper F.

Cullin, Jasper F., deceased, Detroit, Mich.; H. A. Cullin, administratrix, assignor, by mesne assignments, to Better Packages, Inc., New York, N. Y. Tape dispensing mechanism. 2,456,625, Dec. 21.

Culver, Merlyn M., Dayton, Ohio. Handle assembly casting rod. 2,456,681, Dec. 21.

Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,456,926, Dec. 21.

Curry, Robert S., Jr., Baldwin, A. W. Lane, Freeport, and S. E Woodbury, Mineola, N. Y., assignors to The Sperry Corporation. Gyroscopic controlling means. 2,456,619, Dec. 21.

Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direct-current voltage multiplier. 2,456,927, Dec. 21.

Curtis, Franklin E., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Latch operated clutch. 2,456,928, Dec. 21.

Curtis, Leslie F., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Arrangement for simulating a reactive impedance. 2,457,034, Dec. 21.

Cyril Bath Company, The, assignee: *See*—
Bath, Cyril J.

Da Costa, Bartholomew, Long Island City, N. Y. Bed table. 2,456,867, Dec. 21.

Dahl, Arthur: *See*—
Williams, Merlyn G., Jr.

Dahnke, Henry, Banning, Calif. Device for the control of flow of fluids. 2,456,626, Dec. 21.

Daly, Webster J., Los Angeles, Calif. Apparatus for inspection of articles by means of X-ray photographs. 2,456,816, Dec. 21.

Dapprich, William R., Baldwin Township, Allegheny County, Pa. Metal-working or like tool. 2,456,682, Dec. 21.

Darby, Joseph R., Richmond Heights, assignor, to Monsanto Chemical Company, St. Louis, Mo. Heat stabilized polyvinyl chloride compositions. 2,457,035, Dec. 21.

Davenport, James A., assignor to The Kroger Grocery & Baking Company, Cincinnati, Ohio. Portable checking counter. 2,456,817, Dec. 21.

Dawley, Clarence E.: *See*—
Arnott, Edward G. F., and Dawley.
Arnott, Edward G. F., Slack, and Dawley.

Day, Morgan R.: *See*—
Maeder, Henry G., Jr., and Day.

Deanesly, Richard M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Oxidizing alcohols. 2,456,683, Dec. 21.

Dearing, John B., Haddonfield, N. J., assignor to Radio Corporation of America. Impedance matching device. 2,456,770, Dec. 21.

Deatherage, Fred E., Cincinnati, assignor to The Kroger Grocery & Baking Company, Hamilton County, Ohio. Rendering lard. 2,456,684, Dec. 21.

Dee, Herbert C., Kenilworth, Ill., assignor to Woodall Industries, Inc., Detroit, Mich. Tray structure. 2,456,929, Dec. 21.

De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fan housing construction. 2,456,930, Dec. 21.

Delmotte, Cyril J., assignor of one-half to E. J. Herrmann, Detroit, Mich. Warning signal conversion kit for standard flashlights. 2,456,685, Dec. 21.

De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Anodizing magnesium alloys. 2,456,931, Dec. 21.

De Simone, Michele G., Stapleton, assignor to A. G. Agnew, New York, N. Y. Electromechanical mechanism for actuating calculating machines. 2,456,771, Dec. 21.

Dewey and Almy Chemical Company, assignee: *See*—
Maeder, Henry G., Jr., and Day.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Electronic trigger circuit with pulse output attenuating means. 2,456,818, Dec. 21.

Dinnick, George M.: *See*—
Slack, Charles M., and Dinnick.

Dobbs, Richard H., Atlanta, Kans. Posthole auger. 2,456,819, Dec. 21.

Docherty, Charles D.: *See*—
Cairns, John E. I., and Docherty.

Doisy, Edward A., Webster Groves, and S. A. Thayer, St. Louis, Mo., D. W. MacCorquodale, Highland Park, Ill., R. W. McKee, Newton, Mass., and S. B. Binkley, Detroit, Mich., assignors to President and Board of Trustees of St. Louis University, St. Louis, Mo. Obtaining vitamin K compounds. 2,456,686, Dec. 21.

Dominguez A, Roberto, assignor of twenty per cent to M. A. Ayestas, Tegucigalpa, D. C., Honduras. Fountain comb. 2,456,687, Dec. 21.

Dominic, Frank M., Duncombe, Iowa. Trailer for disking machines. 2,456,868, Dec. 21.

Dostal, Joseph B., Kansas City, Mo. Folding infant-carrying vehicle. 2,456,932, Dec. 21.

Dow Chemical Company, The, assignee: *See*—
De Long, Herbert K.

Doyle, Charles D., Schenectady, N. Y., assignor to General Electric Company. Making polysiloxane resins. 2,456,627, Dec. 21.

Dreyfus, Camille, New York, N. Y., R. D. Rowley and R. F. Thompson, Narrows, Va., assignor to Celanese Corporation of America. Cellulose ester stabilization in anhydrous medium. 2,456,688, Dec. 21.

Duffy, Philip A., Jr.: *See*—
Lee, Reuben, and Duffy.

Dunlop, Andrew P., Riverside, Ill., and E. A. Reineck, Appleton, Wis., assignors, to The Quaker Oats Company, Chicago, Ill. Condensation of polymerized furfuryl alcohol with an hydroxybenzene. 2,456,628, Dec. 21.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Cheney, Azro J., Jr.
Schmidt, Edgar H.
White, Jesse O.

Dyer, Maurice W., assignee: *See*—
Kitterman, Jesse C.

Dyrkacz, Wasil W., Schenectady, N. Y., assignor to General Electric Company. Brazing alloy. 2,456,933, Dec. 21.

Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fluid pressure motor. 2,456,689, Dec. 21.

Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fluid-pressure-operated mechanism. 2,456,690, Dec. 21.

Eastman Kodak Company, assignee: *See*—
Knott, Edward B., and Stevens.
Stevens, Guy W. W.

Edwards, Masena E., Denver, Colo. Safety pin. 2,456,820, Dec. 21.

Eggleton, Charles W., Walton-on-Thames, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Coupled circuits for high impedance aerials. 2,456,772, Dec. 21.

Egry Register Company, The, assignee: *See*—
Ritzert, Robert W.

Eichorn, Robert N.: *See*—
Fitch, Clyde J., and Eichorn.

Eipper, William R., Philadelphia, Pa. Treating fatty materials. 2,456,691, Dec. 21.

Eitel-McCullough, Inc., assignee: *See*—
Williams, Paul D.

Electric & Musical Industries, Limited, assignee: *See*—
Agate, Charlton S., and Cooper.
Cairns, John E. I., and Docherty.
Cork, Edward C., and A. D. and D. Blumlein.
Eggleton, Charles W.

Electronic Laboratories Incorporated, assignee: *See*—
Brown, Harold J.

Electronized Chemicals Corporation, assignee: *See*—
Brasch, Arno.

Ellington, Alvin M., Watertown, Wis. Extension table. 2,456,821, Dec. 21.

Ellis-Foster Company, assignee: *See*—
Rust, John B.

Emerson Electric Manufacturing Company, The, assignee: *See*—
Hardey, Edwin F.

Engel, Erich, Tonteg, near Pontypridd, assignor to Aero Zipp Fasteners Limited, London, England. Slider for sliding fasteners. 2,456,822, Dec. 21.

Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Resolution of nitrogen base mixtures. 2,456,773, Dec. 21.

Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of quinoline from a mixture of nitrogen bases. 2,456,774, Dec. 21.

Epstein, Albert A., New York, N. Y. Coffee concentrate and producing it. 2,457,036, Dec. 21.

Evans, Louis P.: *See*—
Simpson, Thomas P., and Evans.

Fadeley, Herbert J., Jr., North Wales, Pa. Compound culinary implement. 2,457,037, Dec. 21.

Fairey Aviation Company, Ltd., The, assignee: *See*—
Snader, Ira J., and Forsyth.

Fargo Mfg. Company, Inc., assignee: *See*—
Becker, Stephen P.

Farkas, Adalbert, and A. F. Stribley, Jr., Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Lubricating oil composition. 2,456,692, Dec. 21.

Farnsworth Research Coroporation, assignee: *See*—
Pressley, Jackson H.

Fausek, Arthur J. and I. F., Clayton, Mo. Heat exchanger. 2,456,775, Dec. 21.

Fausek, Irwing F.: *See*—
Fausek, Arthur J. and I. F.

Faust, Rudolph E., Brooklyn, N. Y. Eccentric chuck. 2,456,776, Dec. 21.

Feiertag, Karl M., Lagrange, Ind., assignor to General Electric Company. Casing and fastening means therefor. 2,456,934, Dec. 21.

Feinstein, Morris A., Chicago, Ill. Heating unit fastener. 2,456,823, Dec. 21.

Fennessy, William M., assignor to Carlisle Shoe Company, Carlisle, Pa. Platform shoe. 2,457,082, Dec. 21.

Filter, Chester G.: *See*—
Kretschmer, Frederick H., and Filter.
Fischer, Alfred, Bronx, N. Y., assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Oil-soluble drier metal salt compositions. 2,456,824, Dec. 21.
Fisher, Charles H.; *See*—
Rehberg, Chessie E., and Fisher.
Fisher, Harmon F., Sunneyvale, assignor to The Permanente Metals Corporation, Oakland, Calif. Refining of volatilizable metals. 2,456,935, Dec. 21.
Fitch, Clyde J., Endicott, and R. N. Eichorn, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Distributor. 2,456,825, Dec. 21.
Flory, Leslie E.: *See*—
Zworykin, Vladimir K., and Flory.
Foley Manufacturing Company, assignee: *See*—
Understood, Sylvester B. and L. M.
Fontaine, John P. K., and A. S. Brumby, Birmingham, Ala.; said Brumby assignor to said Fontaine. Trailer coupler. 2,456,826, Dec. 21.
Foote, Paul C.: *See*—
Knutson, Norman T., and Foote.
Forsyth, Archibald G.: *See*—
Snader, Ira J., and Forsyth.
Fowler, Clarence E., Hollywood, Calif. Hydraulic pulsator system. 2,456,869, Dec. 21.
Fox Products Company, assignee: *See*—
Medlar, Lewis A.
Fraga, Frank M., Fresno, Calif. Lifting hitch for implements. 2,456,693, Dec. 21.
Francis, Victor J., Aylesbury, and E. H. Nelson, Harrow Weald, England, assignors to The General Electric Company. Circuit for electric discharge devices. 2,456,870, Dec. 21.
Friden Calculating Machine Co., Inc., assignee: *See*—
Moody, John L.
Frostick, Harold G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulator system. 2,456,936, Dec. 21.
Fry, Bruce M.: *See*—
La Mont, Elbert M., and Fry.
Funk Forging Company, assignee: *See*—
Powers, James T., Jr.
Garonis, Tom A., Santa Barbara, Calif. Sanitary sink strainer. 2,457,038, Dec. 21.
Gast, Frank J.: *See*—
Chizek, Joseph, and Gast.
Gaylord Container Corporation, assignee: *See*—
Rushing, Fred L.
Gaylord Products, Incorporated, assignee: *See*—
Norin, Allan A., and Reynolds.
Gehrenbeck, Gilbert B., White Bear Lake, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Soluble and infusible synthetic resins and producing the same. 2,456,629, Dec. 21.
Geiger, Aaron, Brooklyn, N. Y. Cigar or cigarette lighter. 2,456,694, Dec. 21.
General Cable Corporation, assignee: *See*—
Smith, John H.
General Electric Company, assignee: *See*—
Campbell, John H.
Chalberg, Harry W. A.
Doyle, Charles D.
Dyrkacz, Wasil W.
Feiertag, Karl M.
Francis, Victor J., and Nelson.
Klnender, Edward C.
Ksim, Donald B.
Linde, Leonard J., Arone, and Spiro.
McConnell, Andrew J.
Merrill, Frank W.
Paluev, Konstantin K.
Pugsley, Donald W.
Spiro, Benjamin E.
Valentin, Andre.
Zelt, Elmer J.
General Motors Corporation, assignee: *See*—
Rossman, Edwin F.
Short, Brooks H.
General Sales Company of Cadillac, assignee: *See*—
Greeley, Leo O.
Gibler, John W., U. S. Army, Mattoon, Ill. Milk turning machine. 2,456,630, Dec. 21.
Gibson, Jefferson C., Chicago, Ill. Oscillating mechanism for swinging members. 2,456,777, Dec. 21.
Gilbert & Barker Manufacturing Company, assignee: *See*—
De Lancey, Warren H.
Gilchrist, John E., Chicago, Ill. Injection molding of plastic material. 2,456,778, Dec. 21.
Girouard, Philias H.: *See*—
Chadwick, George A., and Girouard.
Gluckin, Edwin W., Brooklyn, N. Y. Brassière and similar garments. 2,456,695, Dec. 21.
Goetzel, Claus G., assignor to American Electro Metal Corporation, Yonkers, N. Y. Composite material and shaped bodies therefrom. 2,456,779, Dec. 21.
Goldberg, Ralph, assignor of one-half to J. H. Colvin, Baltimore, Md. Variable pitch fluid transmission. 2,456,696, Dec. 21.
Goldschmidt, Rudolf, Sheffield, England. Percussion tool. 2,456,631, Dec. 21.
Gorham, Frank C., Los Angeles, Calif. Window lock. 2,456,780, Dec. 21.
Gould, William H.: *See*—
Reed, George F.
Graves, Michael, and A. Lankovski, assignors to M. B. Butler, Los Angeles, Calif. Self-loading truck. 2,457,039, Dec. 21.
Greeley, Leo O., assignor to General Sales Company of Cadillac, Cadillac, Mich. Sickle blade grinder. 2,456,827, Dec. 21.
Greenberg, Samuel R., New York, N. Y. Educational device for teaching correct penmanship. 2,456,632, Dec. 21.
Greenhalgh, John: *See*—
Taylor, Maurice K., and Greenhalgh.
Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway train emergency alarm apparatus. 2,456,871, Dec. 21.
Gruenwald, Andrew, assignor to Novelty Jewelry Corporation, New York, N. Y. Apparatus for forming glass beads and the like articles. 2,456,697, Dec. 21.
Gulf Research & Development Company, assignee: *See*—
Mori, Ernest A.
Gyorgy, Paul, Cleveland, and M. B. Williamson and E. T. Stiller, Chagrin Falls, Ohio, assignors to Wyeth Incorporated, Philadelphia, Pa. Stabilized fat compositions. 2,456,937, Dec. 21.
Haantjes, Johan, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device adapted to produce saw tooth oscillations. 2,456,700, Dec. 21.
Haas, Otto R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe inseam sewing machine. 2,456,634, Dec. 21.
Haase, Wilbert W., assignor to Wilbert Manufacturers Association, Forest Park, Ill. Wheeled concrete burial vault. 2,456,939, Dec. 21.
Haensel, Vladimir, Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Catalyst preparation. 2,456,633, Dec. 21.
Hall, Stanley W., Oshkosh, Wis., assignor to United States Motor Corporation. Electric water heater. 2,456,698, Dec. 21.
Hall, William P., Berwyn, Pa. Boring head. 2,457,040, Dec. 21.
Hansen Manufacturing Company, The, Inc., assignee: *See*—
Hansen, William L., and Hurst.
Hansen, William L., and I. N. Hurst, assignors to The Hansen Manufacturing Company, Inc., Princeton, Ind. Speed control mechanism for electric motors. 2,456,701, Dec. 21.
Hansen, William W.: *See*—
Snow, Donald L., and Hansen.
Hanson, Estyle D., and O. G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for shearing strips of plastic material. 2,456,699, Dec. 21.
Harder, Edwin L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,456,938, Dec. 21.
Hardey, Edwin F., Kansas City, assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Blower type radiant heater. 2,456,781, Dec. 21.
Haringx, Johannes A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Film driving apparatus. 2,456,702, Dec. 21.
Harris, Milton: *See*—
Clapham, Harry F., Harris, and Smith.
Harris Research Laboratories, assignee: *See*—
Clapham, Harry F., Harris, and Smith.
Hartford National Bank and Trust Company, assignee, trustee: *See*—
Haantjes, Johan.
Haringx, Johannes A.
Van Geel, Willem C.
Ziegler, Marc.
Hartman, Peter C., Chicago, Ill. Washcloth and pad holder for the bath. 2,456,782, Dec. 21.
Harza, Leroy F., Highland Park, Ill. Pipe T. 2,457,041, Dec. 21.
Hatchette, Andrew H., Cleveland, Ohio. Automatic bath shower. 2,456,703, Dec. 21.
Hawe, Philip G., Weston, Ontario, Canada. Target practice apparatus. 2,456,828, Dec. 21.
Hays, Roy W., Rockford, Ill. Valve. 2,456,829, Dec. 21.
Hazeltine Research, Inc., assignee: *See*—
Curtis, Leslie F.
Markowitz, Jesse.
Stannow, Jörgen C.
Taylor, Maurice K., and Greenhalgh.
Wheeler, Harold A.
Heater, Charles L., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Truck. 2,456,635, Dec. 21.
Heil Co., The, assignee: *See*—
Wohlforth, Walter W.
Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing and marking insulated conductors, 2,456,704, Dec. 21.
Herbener, Henry M., Thomasville, Ga. Combination wallet. 2,456,830, Dec. 21.
Herring, Alice D., assignee: *See*—
Herring, Earl A.
Herring, Earl A., assignor of fifty per cent to A. D. Herring, Donaldson, Pa. Single hook weedless fishing plug. 2,456,705, Dec. 21.

Herrmann, Edward J., assignee: *See*—
Delmotte, Cyril J.
Hewit-Robins Incorporated: *See*—
Wantling, Joseph W.
Hickman, Robert W., assignor to F. B. Hinrichs, Chicago, Ill. Electrode for arc lights. 2,457,042, Dec. 21.
Hiltman, Laurence W.: *See*—
Horner, Kenneth K., and Hiltman.
Hinrichs, Frederick B., assignee: *See*—
Hickman, Robert W.
Histand, Albert R., Croyden, Pa. Lunch box. 2,457,043, Dec. 21.
Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp holder for fluorescent lamps. 2,456,940, Dec. 21.
Hodnette, John K., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transformer structure. 2,456,941, Dec. 21.
Hogan, Sidney S., assignee: *See*—
Mackey, George W.
Holbrook, John A., assignor to Worcester Polytechnic Institute, Worcester, Mass. Power transmission for helicopter rotors. 2,456,942, Dec. 21.
Hollar, John V., assignor to The La Resista Corset Company, Bridgeport, Conn. Brassière. 2,456,872, Dec. 21.
Hopkins, Richard W., Troy, N. Y. Dispenser for tooth powder and the like. 2,456,873, Dec. 21.
Horner, Kenneth K., Chicago, and L. W. Hiltman, Palos Heights, assignors to S. Karpen & Bros., Chicago, Ill. Tilting cushion structure. 2,456,874, Dec. 21.
Horsley, Caperton B., Stamford, Conn., assignor to Ultrasonic Corporation, Boston, Mass. Accoustic chamber. 2,456,700, Dec. 21.
Horton, Roger F., Hempstead, N. Y. Hydraulic motor with rotating radial cylinder block and reciprocated pistons reacting against outside annular grooved cam. 2,457,100, Dec. 21.
Horton, Roger F., Hempstead, N. Y. Hydraulic pump. 2,457,101, Dec. 21.
Houdry Process Corporation, assignee: *See*—
Milliken, Thomas H., Jr., and Welinsky.
Hower, Frank L., Rawson, Ohio. Breath diverter face mask. 2,457,044, Dec. 21.
Hueber, Carl J., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing device. 2,456,943, Dec. 21.
Hurayt, E. Paul.: *See*—
Mayner, Thomas S., and Hurayt.
Hurst, Ira N.: *See*—
Hansen, William L., and Hurst.
Huse, Hiram N., Providence, R. I. Ball winding machine. 2,456,944, Dec. 21.
Hutchison, William M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,456,875, Dec. 21.
Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Siloxane copolymers. 2,456,783, Dec. 21.
Hydraulic Equipment Company, assignee: *See*—
Schmiel, Herbert H.
Hydrocarbon Research, Inc., assignee: *See*—
Keith, Percival C.
Iglehart, Ferdinand C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay. 2,456,945, Dec. 21.
Industrial Rayon Corporation, assignee: *See*—
Corey, Lorin A., and Mayner.
Mayner, Thomas S., and Hurayt.
Ingersoll-Rand Company, assignee: *See*—
Slater, Fred M.
International Business Machines Corporation, assignee: *See*—
Dickinson, Arthur H.
Fitch, Clyde J., and Eichorn.
Rutbell, Clarence C.
International Nickel Company, Inc., The, assignee: *See*—
McGuire, Ralph C.
Wise, Edmund M., and Vines.
Irwin, Frederick D., Warsaw, Ind. Venetian blind. 2,456,946, Dec. 21.
J. & L. Tool & Findings Co., assignee: *See*—
Lundsten, Everett H.
Jeffrey Manufacturing Company, The, assignee: *See*—
Whitney, Paul V.
Jenkins, Charles F.: *See*—
Rambo, Rawdon E., and Jenkins.
Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Corrosion resistant coating for metal surfaces. 2,456,947, Dec. 21.
Johnson, S. C., & Son, Inc., assignee: *See*—
McLoud, Elbert S.
Swenson, Oscar J.
Wilder, Edward A.
Jones, Alun R., Los Altos, and B. C. Look, Jr., Palo Alto, Calif. Coupling assembly. 2,456,636, Dec. 21.
Jones, Dwight E.: *See*—
Messinger, William, and Jones.
Jones, E. D., & Sons Company, assignee: *See*—
Messinger, William, and Jones.
Jones, Frank L., Millbank, London, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Spark gap. 2,457,102, Dec. 21.
Jones, Homer W., Westfield, N. J., assignor to Union Carbide and Carbon Corporation. Blowpipe apparatus. 2,456,784, Dec. 21.
Jones, Lewis R.: *See*—
Cogevan, Edward J., and Jones.
Jordan, James F., Huntington Park, Calif. Controlling the flow of metallurgical liquids. 2,457,083, Dec. 21.
Karpen, S., & Bros., assignee: *See*—
Horner, Kenneth K., and Hiltman.
Kaye, Harriette K., Chicago, Ill. Lipstick case. 2,456,948, Dec. 21.
Kearny, Cresson H., United States Army, New York, N. Y. Oarlock support. 2,456,637, Dec. 21.
Kearsley, Edward P., Springfield, and E. J. Marciniak, Easthampton, assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass. Golf club head. 2,457,084, Dec. 21.
Keim, Donsld B., Syracuse, N. Y., assignor to General Electric Company. Control device indicator. 2,456,949, Dec. 21.
Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Stripping spent fluid catalysts. 2,456,707, Dec. 21.
Keller, Nellie G.: *See*—
Keller, William J and N. G.
Keller, William J. and N. G., St. Louis, Mo. Rake. 2,456,876, Dec. 21.
Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Apparatus for improving the durability of optical coatings. 2,456,708, Dec. 21.
Kemp, Charles L., Klamath Falls, Oreg. Micrometer attachment. 2,456,709, Dec. 21.
Kenyon, David E., Smithtown Branch, N. Y., assignor to The Sperry Corporation. Power supply filter and regulator. 2,456,638, Dec. 21.
Kern, Andrew, Orofino, Idaho. Fan blade. 2,456,710, Dec. 21.
Kidder, Monroe C., assignee: *See*—
Swanee, Elmo E.
King, George E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric hoist control system. 2,456,950, Dec. 21.
King, John A., Albany, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Production of amides. 2,456,785, Dec. 21.
Kirkbride, John, Detroit, Mich. Soap dish. 2,456,877, Dec. 21.
Kitterman, Jesse C., assignor of one-half to M. W. Dyer, Croydon, Ind. Sanding block. 2,457,045, Dec. 21.
Kjellgren, Bengt R. F., University Heights, assignor to The Brush Development Company, Cleveland, Ohio. Crystal seed and obtaining it. 2,456,831, Dec. 21.
Kliever, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Carburetor ice responsive device. 2,457,085, Dec. 21.
Klotsch, Paul, assignor to Crosley Motors, Inc., Cincinnati, Ohio. Cooling system for internal-combustion engines. 2,456,951, Dec. 21.
Klnender, Edward C., Schenectady, N. Y., assignor to General Electric Company. Sensitivity time control. 2,456,952, Dec. 21.
Kniel, Ludwig, Scarsdale, assignor to The Lummus Company, New York, N. Y. Process and apparatus for heating hydrocarbon fluids. 2,456,787, Dec. 21.
Kniel, Ludwig, Scarsdale, and P. Lambert, Jackson Heights, N. Y., and H. R. Treat, Teaneck, N. J., assignors to The Lummus Company, New York, N. Y. Heating of hydrocarbon fluids. 2,456,786, Dec. 21.
Knott, Edward B., and G. W. W. Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic reversal processes. 2,456,953, Dec. 21.
Knott, Edward B., and G. W. W. Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic reversal processes. 2,456,954, Dec. 21.
Knott, Edward B., and G. W. W. Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic processes and light-sensitive elements therefor. 2,456,955, Dec. 21.
Knott, Edward B., and G. W. W. Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic processes and light-sensitive elements therefor. 2,456,956, Dec. 21.
Knutson, Norman T., Chicago, and P. C. Foote, Lake Bluff, assignors to Bell & Howell Company, Chicago, Ill. Adjustable condenser lens for projection systems. 2,456,711, Dec. 21.
Koch, Harold B., and J. U. Lehn, assignors to Animal Trap Company of America, Lititz, Pa. Gun trap. 2,456,957, Dec. 21.
Kremiller, Arthur E., Glendale, Calif., assignor to Adel Precision Products Corp. Hydraulic control mechanism. 2,456,712, Dec. 21.
Kretschmer, Frederick H., and C. G. Filter, assignors to Midland Laboratories, Dubuque, Iowa. Liquid dispenser. 2,456,958, Dec. 21.
Kritzer, Bernard, Chicago, Ill. Hair drier helmet. 2,456,788, Dec. 21.
Kroger Grocery & Baking Company, The, assignee: *See*—
Davenport, James A.
Deatherage, Fred E.
Krohn, Emil F., Centerville, Mich., assignor to Air Reduction Company, Incorporated. Auxiliary roller guide for templates. 2,456,789, Dec. 21.

Krupka, Helen G. and J. J., Fairmont, W. Va. Timberman's jack. 2,456,878, Dec. 21.

Krupka, Joseph J.: *See*—
Krupka, Helen G. and J. J.

Kucera, Barney J., Cleveland, Ohio, assignor to Automatic Electric Laboratories, Inc. Telephone signaling apparatus. 2,457,046, Dec. 21.

Kucera, Joseph B., Traer, Iowa. Loader machine. 2,456,879, Dec. 21.

Kyrides, Lucas P.: *See*—
Zienty, Ferdinand B., and Kyrides.

Kyrides, Lucas P., assignor to Monsanto Chemical Company, St. Louis, Mo. 2-(2'-thenyl)-4,5-dihydroimidazoles and making the same. 2,457,047, Dec. 21.

Kyrides, Lucas P., and F. B. Zienty, assignors to Monsanto Chemical Company, St. Louis, Mo. Making tertiary amines. 2,457,048, Dec. 21.

Lacey, Edward H., Sioux Falls, S. Dak. Tractor-mounted scoop control. 2,457,049, Dec. 21.

Lacrotte, Nazaire, deceased, Paris, France; Le Directeur des Domaines, temporary (provisional) executor or administrator of the estate. Fire hazard and safety device for airplanes. 2,457,103, Dec. 21.

La Fayette, Harry A.: *See*—
Stine, Ivan E., and La Fayette.

Lambert, Harry L., East Rochester, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Printing mechanism for adding machines. 2,457,050, Dec. 21.

Lambert, Pierre: *See*—
Kniel, Ludwig, Lambert, and Treat.

La Mont, Elbert M., and B. M. Fry, Leavenworth, Kans. Lathe and motor base for watchmakers' lathes. 2,456,959, Dec. 21.

Lampert, Burnham, Sacramento, Calif. Tube and conduit bending hand tool. 2,456,880, Dec. 21.

Landis & Gyr, A. G., assignee: *See*—
Laternser, Albin.

Lane, Arthur W.: *See*—
Curry, Robert S., Lane, and Woodbury.

Lane, Fred A., Shelburn, assignor to Lane Motors, Inc., Terre Haute, Ind. Fluid-driven pump. 2,456,832, Dec. 21.

Lane Motors, Inc., assignee: *See*—
Lane, Fred A.

Langham, Eric M.: *See*—
Bedford, Leslie H., Bell, and Langham.

Lankvoskil, Anatoly: *See*—
Graves, Michael, and Lankvoskil.

Lansing, Edward S., assignee: *See*—
Smiley, Lloyd D., and Lansing.

Lanter, Clarence W., Bartlett, assignor to Breuer Electric Mfg. Company, Chicago, Ill. Vacuum cleaner. 2,456,639, Dec. 21.

La Resista Corset Company, The, assignee: *See*—
Hollar, John V.

Laternser, Albin, Horgen, Switzerland, assignor to Landis & Gyr, A. G. Pressure measuring instrument. 2,456,713, Dec. 21.

Law, Russel R., Princeton, N. J., assignor to Radio Corporation of America. Thermionic cathode and heater. 2,456,714, Dec. 21.

Leather, John H., Newton, N. J. Portable heater and drier. 2,456,881, Dec. 21.

Leatherman, Ward D., Akron, Ohio. Cigarette or like dispensing case. 2,456,963, Dec. 21.

Le Clair, Camille C. S., Acton, assignor to Tecalemit Limited, Brentford, England. Making reinforced porous metal members. 2,457,051, Dec. 21.

Le Clair, Camille C. S., Acton, assignor to Tecalemit Limited, Brentford, England. Coupling for use in fluid supply systems. 2,457,052, Dec. 21.

Le Directeur des Domaines, temporary (provisional) executor or administrator: *See*—
Lacrotte, Nazaire.

Ledure, Eleanor O.: *See*—
Ledure, Jacques E.

Ledure, Jacques E., assignor to E. O. Ledure, New York, N. Y. Separable hat rest or the like. 2,456,964, Dec. 21.

Lee, Reuben, Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sawtooth wave generator. 2,456,961, Dec. 21.

Lee, Reuben, Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction heating apparatus with work conveyer. 2,456,962, Dec. 21.

Lee, Reuben, Linthicum Heights, and P. A. Duffy, Jr., Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse shaping control system. 2,456,960, Dec. 21.

Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Truck bolster spring. 2,456,790, Dec. 21.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,456,715, Dec. 21.

Lehn, John U.: *See*—
Koch, Harold B., and Lehn.

Leitzel, Raymond H., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Valve. 2,456,965, Dec. 21.

Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent materials for electric discharge devices. 2,457,054, Dec. 21.

Lewinter, Sidney W., assignor to Philco Corporation, Philadelphia, Pa. Phase modulation system. 2,456,716, Dec. 21.

Lewis, Frederick D., Jr., Miami, Fla. Cigarette lighter. 2,457,053, Dec. 21.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Strong, John D.

Lima-Hamilton Corporation, assignee: *See*—
Schurr, Otto E.

Lindbeck, Simon L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor synchronizing schemes. 2,456,966, Dec. 21.

Linde, Leonard J., Drexel Hill, and N. F. Arone, Upper Darby, and B. E. Spiro, Philadelphia, Pa., assignors to General Electric Company. Electrical apparatus bushing. 2,456,640, Dec. 21.

Lippmann, Arthur W., assignor to Lippmann Engineering Works, Milwaukee, Wis. Vibrating screen. 2,456,791, Dec. 21.

Lippmann Engineering Works, assignee: *See*—
Lippmann, Arthur W.

Livers, Carlos B., North Hollywood, assignor to Variety Development and Engineering Company, Los Angeles, Calif. Electric motor. 2,456,967, Dec. 21.

Longini, Richard L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Outgassing photocells containing antimony. 2,456,968, Dec. 21.

Look, Bonne C., Jr.: *See*—
Jones, Alun R., and Look.

Loveless, Donald L., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Production of stainless steel. 2,457,055, Dec. 21.

Lowden, William P., Pitman, N. J., assignor to Radio Corporation of America. Impregnating composition comprising coumarone indene resin, cetyl acetamide, and ethyl cellulose. 2,456,717, Dec. 21.

Lowe, Russell E.: *See*—
Morgan, John D. and Lowe.

Lummus Company, The, assignee: *See*—
Kniel, Ludwig.
Kniel, Ludwig, Lambert, and Treat.
Schutte, August H.

Lundsten, Everett H., assignor to J. & L. Tool & Findings Co., Attleboro, Mass. Bracelet hinge. 2,456,969, Dec. 21.

MacCorquodale, Donald W.: *See*—
Doisy, Edward A., Thayer, MacCorquodale, McKee, and Binkley.

Macdonald, Angus A., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,456,970, Dec. 21.

Mackey, George W., assignor of fifty per cent to S. S. Hogan, St. Louis, Mo. Insulation cutting tool. 2,456,882, Dec. 21.

MacNeill, John B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,456,971, Dec. 21.

Macomber, Stanley, North Canton, Ohio. Roof truss. 2,457,056, Dec. 21.

Maeder, Henry G., Jr., Belmont, and M. R. Day, North Scituate, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Container closure. 2,456,972, Dec. 21.

Mallory, Edward B., Tenafly, N. J. Waste purification process and apparatus. 2,457,057, Dec. 21.

Mao, Yu-Yueh A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trace blanking circuit for cathode-ray oscilloscopes. 2,456,973, Dec. 21.

Marciniak, Emil J.: *See*—
Kearsley, Edward P., and Marciniak.

Marinsky, Davis, deceased, Bronx, N. Y.; L. H. Morin executor of the estate. Compound knitting needle. 2,456,718, Dec. 21.

Markel Electric Products, Inc., assignee: *See*—
Ohm, Albert J.

Markowitz, Jesse, Forest Hills, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Supporting arrangement. 2,457,058, Dec. 21.

Marman Products, Co., Ins., assignee: *See*—
Woolsey, Theodore A.

Martin, Glenn L., Company, The, assignee: *See*—
Pepersack, Francis J.

Martin, William E., Kewanee, Ill. Vehicle tandem axle running gear. 2,456,719, Dec. 21.

Mayner, Thomas S.: *See*—
Corey, Lorin A., and Mayner.

Mayner, Thomas S., Willoughby Township, Lake County, and E. P. Hurayt, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Thread drying apparatus. 2,456,974, Dec. 21.

McAllister, Sumner H., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Production of motor fuel components. 2,456,975, Dec. 21.

McConnell, Andrew J., Albany, N. Y., assignor to General Electric Company. Phase responsive protective relaying system. 2,456,976, Dec. 21.

McCullough, Ira J., assignor to McCullough Tool Company, Los Angeles, Calif. Well casing perforating gun and cartridge. 2,456,977, Dec. 21.

McCullough Tool Company, assignee: *See*—
McCullough, Ira J.

McIlvaine, Robert L.: *See*—
Christensen, Alfred C., and McIlvaine.

McKee, Ralph W.: *See*—
Doisy, Edward A., Thayer, MacCorquodale, McKee, and Binkley.

McLoud, Elbert S., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Sugar cane wax refining. 2,456,641, Dec. 21.

McQuire, Ralph C., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Bonding a nickel electrodeposit to a nickel surface. 2,457,059, Dec. 21.

McQuire, Ralph C., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Bonding a nickel electrodeposit to a nickel surface. 2,457,060, Dec. 21.

McQuire, Ralph C., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Bonding nickel electrodeposit to a nickel surface. 2,457,061, Dec. 21.

Medlar, Lewis A., Oreland, assignor to Fox Products Company, Philadelphia, Pa. Battery charger. 2,456,978, Dec. 21.

Merck & Co., Inc., assignee: *See*—
Shabica, Anthony C.

Merker, Robert L., United States Navy. Grease composition. 2,456,642, Dec. 21.

Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Speed governor. 2,456,979, Dec. 21.

Messinger, William, Philadelphia, Pa., and D. E. Jones, assignors to E. D. Jones & Sons Company, Pittsfield, Mass. Jordan apparatus. 2,456,883, Dec. 21.

Metal and Thermit Corporation, assignee: *See*—
Andrews, William.

Midland Laboratories, assignee: *See*—
Kretschmer, Frederick H., and Filter.

Mikula, George, Jr., Jersey City, N. J. Sliding block game. 2,456,884, Dec. 21.

Miles, Carrol C., Leominster, Mass. Easel picture frame. 2,456,720, Dec. 21.

Milliken, Thomas H., Jr., Maylan, Pa., and I. H. Wellnsky, Claymont, Del., assignors to Houdry Process Corporation, Wilmington, Del. Catalyst manufacture. 2,456,721, Dec. 21.

Milprint, Inc., assignee: *See*—
Baker, James A.

Mines Equipment Company, assignee: *See*—
Bach, Peter J., and Simpson.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Borell, George L.
Kliever, Waldo H.
Strother, Fred P.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Gehrenbeck, Gilbert B.

Mitchell, Pullan, Linthorpe, and U. R. Mitchell, Guiseley, England. Floor. 2,457,086, Dec. 21.

Mitchell, Uttley R.: *See*—
Mitchell, Pullan and U. R.

Mohawk Carpet Mills, Inc., assignee: *See*—
Cogovan, Edward J.
Cogovan, Edward J., and Jones.

Molloy, James F., Oakland, Calif. Toilet. 2,456,885, Dec. 21.

Monath, Paul E., Hewlett, N. Y. Self-stirring cooking utensil. 2,456,981, Dec. 21.

Monsanto Chemical Company, assignee: *See*—
Benignus, Paul G.
Darby, Joseph R.
Kyrides, Lucas P.
Kyrides, Lucas P., and Zienty.
Weinkauff, Oliver J.
Zienty, Ferdinand B., and Kyrides.

Montclair Research Corporation, assignee: *See*—
Rust, John B.

Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Motor and clutch control mechanism. 2,456,980, Dec. 21.

Moore, David P., Roslyn, N. Y., assignor to Godfrey Bloch, Incorporated. Suction apparatus for knitting machines. 2,457,104, Dec. 21.

Moore, Raymond W., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control. 2,456,982, Dec. 21.

Moore, Robert C., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Quenched amplifier system. 2,457,062, Dec. 21.

Morelock, Oliver J., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Mutual conductance tester. 2,456,833, Dec. 21.

Morgan, Agnes F., Berkeley, Calif., and B. M. Watts, Pullman, Wash., assignors to the United States of America as represented by the Secretary of War. Dehydrated meat scrapple and making the same. 2,457,063, Dec. 21.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Sealing compounds. 2,457,087, Dec. 21.

Mori, Ernest A., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for dry sump lubrication of engines. 2,456,886, Dec. 21.

Morin, Louis H., executor: *See*—
Marinsky, David.

Morrell, Charles E., Westfield, and M. W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company. Selective copper solvent for diolefin extraction. 2,456,722, Dec. 21.

Morrison, Grover C., Huntington, W. Va. Collar support. 2,456,887, Dec. 21.

Morse, William H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Damper-winding flexible connections. 2,456,983, Dec. 21.

Mouromtseff, Ilia E.: *See*—
Slack, Charles M., Mouromtseff, and Dinnick.

Mueller Co., assignee: *See*—
Mueller, Frank H.

Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Apparatus for quenching metallic articles. 2,456,984, Dec. 21.

Mullikin, Wilbur J., Washington, D. C. Respirator. 2,456,724, Dec. 21.

Napier, Henry, assignor to F. E. Schundler & Co., Inc., Joliet, Ill. Lightweight material and its preparation. 2,456,643, Dec. 21.

Napoli, John, Monterey, Calif. Propulsion means for boats. 2,456,834, Dec. 21.

Nash, John J., assignor to American Fixture & Manufacturing Co., St. Louis, Mo. Refectory table. 2,456,835, Dec. 21.

National Cash Register Company, The, assignee: *See*—
Lambert, Harry L.

Nelson, Evan H.: *See*—
Francis, Victor J., and Nelson.

Nelson, Oscar G.: *See*—
Hanson, Estyle D., and Nelson.

Netherton, Charles N., Gilman City, Mo. Inclined rail ball rolling chance device. 2,456,725, Dec. 21.

Neuhaus, Robert G., assignor to Teletype Corporation, Chicago, Ill. Translating device. 2,456,726, Dec. 21.

New Products Corporation, assignee: *See*—
Banker, Oscar H.

New Wrinkle, Inc., assignee: *See*—
Beynon, Nathan T.

Nikitin, Alexander A., College Park, Ga., assignor to Tennessee Copper Company, New York, N. Y. Copper fungicides and producing same. 2,456,727, Dec. 21.

Nordberg Manufacturing Co., assignee: *See*—
Anderson, Karl V.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Seamer for filled cans with countersunk bottoms. 2,456,644, Dec. 21.

Norin, Allan A., and F. D. Reynolds, assignors to Gaylord Products, Incorporated, Chicago, Ill. Hair curler. 2,456,645, Dec. 21.

Norton Company, assignee: *See*—
Coes, Loring, Jr.

Novelty Jewelry Corporation, assignee: *See*—
Gruenwald, Andrew.

Nuodex Products Co., Inc., assignee: *See*—
Fischer, Alfred.

Oglesby, Nicholas E., assignor to Behr-Manning Corporation, Troy, N. Y. Apparatus for the manufacture of abrasive webs. 2,456,985, Dec. 21.

Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall bracket electric light fixture. 2,456,792, Dec. 21.

Öhman, Karl Y., Saltsjobaden, assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Lens system with chromatic aberration and without noticeable magnification. 2,456,728, Dec. 21.

Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetron. 2,456,888, Dec. 21.

Olson, Andrew R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Vaporizer. 2,456,889, Dec. 21.

O'Neil, William M., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Manual unshift mechanism. 2,456,729, Dec. 21.

Pacific Coast Engineering Company, assignee: *See*—
Sjoberg, John G.

Paluev, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Protective arrangement for electrical windings. 2,456,986, Dec. 21.

Pangborn, Mary C., Albany, N. Y., assignor to The People of the State of New York. Recovering and refining cardiolipin. 2,456,836, Dec. 21.

Papermaster, Roy L., Los Angeles, Calif. Thermometer case with rotating means. 2,456,837, Dec. 21.

Parisi, Anthony, Brooklyn, N. Y. Hand knitting device. 2,457,064, Dec. 21.

Parmley, Harry M., Harrisburg, Pa. Electrical heating unit. 2,457,065, Dec. 21.

Patterson, Charles E., Los Angeles, Calif. Coupling. 2,457,105, Dec. 21.

Patterson, Julian E., Brownfield, Tex. Safety device for hoists. 2,456,646, Dec. 21.

Patton, James G., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Milling machine attachment. 2,456,730, Dec. 21.

Peles, Julius S., New York, N. Y. Birdproofing. 2,456,731, Dec. 21.

People of the State of New York, The, assignee: *See*—
Pangborn, Mary C.

Pepersack, Francis J., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Access door for liquid containers. 2,457,066, Dec. 21.

Perkins, Ralph E., Ashland, Mass. Flatiron holder bracket. 2,456,987, Dec. 21.

Permanente Metals Corporation, The, assignee: *See*—
Church, Howard.
Fisher, Harmon F.

Perretti, Attilio, Milan, Italy. Atomizing oil burner. 2,457,067, Dec. 21.

Peterson, Albert and R., St. Clements, Manitoba, Canada. Pivoted pawl ratchet wrench with radially-slotted head and socket. 2,456,838, Dec. 21.

Peterson, Alfred, Wheaton, Ill. Antiskid chain. 2,457,068, Dec. 21.

Peterson, Robert: *See*—
Peterson, Albert.

Petro-Chem Process Company Incorporated, assignee: *See*—
Swanson, Harry R.

Philco Corporation, assignee: *See*—
Lewinter, Sidney W.
Moore, Robert C.

Phillips Petroleum Company, assignee: *See*—
Olson, Andrew R.
St. Clair, Theodore A.

Pierson, Charles A., Maumee, assignor to Associated Products, Inc., Toledo, Ohio. Broiler pan guard. 2,456,988, Dec. 21.

Pinney, Ernest F., Glen Cove, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of candles. 2,457,088, Dec. 21.

Polcyn, Bernard H., Milwaukee, Wis. Tumbler. 2,456,989, Dec. 21.

Pottharst, John E., Jr., New Orleans, La. Combined evaporator and boiler. 2,456,732, Dec. 21.

Potts, Louis M., deceased; by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Cipher checking system. 2,456,733, Dec. 21.

Potts, Martha W. C., executrix: *See*—
Potts, Louis M.

Powers, James T., Jr., assignor to Funk Forging Company, Chicago Heights, Ill. Display appliance. 2,456,990, Dec. 21.

Pray, Lester W., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spindle brake mechanism. 2,457,089, Dec. 21.

President and Board of Trustees of St. Louis, assignee: *See*—
Doisy, Edward A., Thayer, MacCorquodale, McKee, and Binkley.

Pressley, Jackson H., Marion, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Phonograph apparatus. 2,457,106, Dec. 21.

Prill, Edward A., Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. 3,4-methylenedioxyphenyl-propylene compound. 2,456,991, Dec. 21.

Princell, Joseph W., Minneapolis, Minn. Boat mooring device. 2,456,839, Dec. 21.

Provost, Raymond C., Jr.: *See*—
Woodward, Charles F., Saunders, and Provost.

Pugsley, Donald W., Bridgeport, Conn., assignor to General Electric Company. Frequency shift keying plus phase modulation. 2,456,992, Dec. 21.

Quaker Oats Company, The, assignee: *See*—
Dunlop, Andrew P., and Reineck.

Radio Corporation of America, assignee: *See*—
Carlson, Wendell L.
Dearing, John B.
Kellogg, Edward W.
Law, Russel R.
Leverenz, Humboldt W.
Lowden, William P.
Sziklai, George C.
Tolson, William A.
Usselman, George L.
Vilkomerson, Benjamin S.
Zworykin, Vladimir K., and Flory.

Rambo, Rawdon E., Pittsburgh, and C. F. Jenkins, Laughlintown, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radial commutator assembly. 2,456,993, Dec. 21.

Ranco Incorporated, assignee: *See*—
Rauh, Herbert H.

Rauh, Herbert H., assignor to Ranco Incorporated, Columbus, Ohio. Alarm system for heat exchange devices. 2,457,069, Dec. 21.

Redding Manufacturing Company, Inc., assignee: *See*—
Ryan, Albert O.

Reed, George F., and W. H. Gould, Johannesburg, Transvaal, Union of South Africa. Safety retaining device for pivotal joints. 2,456,793, Dec. 21.

Reeves Hoffman Corporation, assignee: *See*—
Samuelson, Wallace H. E.

Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Acrylic esters of olefinic alcohols and polymers thereof and making them. 2,456,647, Dec. 21.

Reineck, Edward A.: *See*—
Dunlop, Andrew A.

Restall, Robert E., Hamilton, Ontario, Canada. Passenger operated roundabout. 2,456,648, Dec. 21.

Reynolds, Frank D.: *See*—
Norin, Allan A., and Reynolds.

Richardson, Ambrose M., Chicago, Ill. Convertible furniture unit. 2,456,794, Dec. 21.

Rigrod, William W., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignitor. 2,456,891, Dec. 21.

Riley, Lynn G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,456,892, Dec. 21.

Ringle, Charles J., and R. W. Smith, Buffalo, N. Y., assignors to Williams Gold Refining Company, Inc. Attachment for dental surveying instruments. 2,457,090, Dec. 21.

Ritzert, Robert W., New York, N. Y., assignor to The Egry Registry Company, Dayton, Ohio. Paper and ribbon feeding mechanism for manifolding machines. 2,456,734, Dec. 21.

Robeson Cutlery Company, Inc., assignee: *See*—
Case, Emerson E.

Robinson, Arthur M., Boston, Mass., assignor, by mesne assignments, to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal with moisture-proof coatings. 2,456,995, Dec. 21.

Robison, William M., Mount Holly, N. J. Fluid pressure switch. 2,456,994, Dec. 21.

Rogers, John C., and R. Sims, New Orleans, La. Household trash can. 2,456,840, Dec. 21.

Roselle, Walter A., New York, N. Y. Container. 2,456,735, Dec. 21.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,456,736, Dec. 21.

Roth, Bert W., Riverdale, assignor to Trans-Lux Corporation, New York, N. Y. Switching arrangement for selectors. 2,456,893, Dec. 21.

Roth, Jay M.: *See*—
Campbell, John D., and Roth.

Rouse, Glenn F., Long Branch, N. J. Cathode. 2,456,649, Dec. 21.

Rowley, Robert D.: *See*—
Dreyfus, Camille, Rowley, and Thompson.

Rushing, Fred L., Tampa, Fla., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,456,841, Dec. 21.

Rust, John B., East Hanover, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Dehydration of hydroxylated oils. 2,456,996, Dec. 21.

Rutbell, Clarence C., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Rotary cutter. 2,456,842, Dec. 21.

Ryan, Albert O., Oradell, N. J., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn. Coating filaments. 2,456,650, Dec. 21.

Ryker, Elwood A., Spokane, Wash. Transmission for motorized vehicles. 2,456,894, Dec. 21.

Sachs, Morris, New York, N. Y. Electric fixture. 2,456,997, Dec. 21.

Saco-Lowell Shops, assignee: *See*—
Pray, Lester W.

St. Clair, Theodore A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Vaporizer. 2,456,890, Dec. 21.

Samuelson, Wallace H. E., Weehawken, N. J., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Cathode sputtering apparatus for coating oscillator plates. 2,456,795, Dec. 21.

Sattler, Hugo, Doss, Tex. Wire stretcher. 2,456,895, Dec. 21.

Saunders, Donald H.: *See*—
Woodward, Charles F., Saunders, and Provost.

Savage Arms Corporation, assignee: *See*—
Smith, Wilfred I.

Schaad, Raymond E.: *See*—
Bloch, Herman S., and Schaad.

Scharwath, Herman J., assignee: *See*—
Scharwath, John A.

Scharwath, John A., Montclair, assignor of one-third to H. J. Scharwath, Union, N. J. Apparatus for making building units. 2,457,070, Dec. 21.

Scheuer, Clemens, Forest Hills, N. Y. Display fixture. 2,456,737, Dec. 21.

Schlesman, Carleton H., Allentown, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Gelation process involving supersonic treatment. 2,457,091, Dec. 21.

Schmidt, Edgar H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Variable-speed device. 2,456,738, Dec. 21.

Schmiel, Herbert H., assignor to Hydraulic Equipment Company, Cleveland, Ohio. Tank unit with submerged valve and external pump. 2,456,651, Dec. 21.

Schofield, Earl L., Rockford, Ill., assignor to Superior Coach Corporation, Lima, Ohio. Adjustable bier pin. 2,456,739, Dec. 21.

Schubel, Victor N., Dearborn, Mich. Control device. 2,456,998, Dec. 21.

Schuler, Reginald G., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Tape perforator. 2,456,740, Dec. 21.

Schundler, F. E., & Co., Inc., assignee: *See*—
Napier, Henry.

Schurr, Otto E., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Boring mill. 2,456,741, Dec. 21.

Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Hydrocarbon coking. 2,456,796, Dec. 21.

Segal, Irving, New York, N. Y. Extension table. 2,456,999, Dec. 21.

Semeyn, Leonard J., Lamont, Mich. Door stop. 2,456,843, Dec. 21.

Sevin, Clifford L., Houston, Tex. Buckle. 2,457,000, Dec. 21.

Shabica, Anthony C., assignor to Merck & Co., Inc., Rahway, N. J. Separation of isomers of amino acids. 2,456,742, Dec. 21.

Sheldrick, Henry W., assignor to Collier-Keyworth Company, Gardner, Mass. Chair iron for tiltable seats and backs. 2,456,797, Dec. 21.

Shell Development Company, assignee: *See*—
McAllister, Sumner H.

Short, Brooks H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. High-frequency ignition system. 2,456,743, Dec. 21.

Shulman, Louis, New York, N. Y. Waistline control garment. 2,457,071, Dec. 21.

Simard, Gerald L., Stamford, and C. R. Stryker, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Method and apparatus for producnig electron diffraction spectra. 2,457,092, Dec. 21.

Simpson, Clarence E., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Buffer mechanism for firearms. 2,456,652, Dec. 21.

Simpson, Herbert S., assignee: *See*—
Christensen, Alfred C., and McIlvaine.

Simpson, James H.: *See*—
Bach, Peter J., and Simpson.

Simpson, Thomas P., and L. P. Evans, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for conversion of hydrocarbons. 2,457,093, Dec. 21.

Sims, Redding: *See*—
Rogers, John C., and Sims.

Sinclair, Edward L.: *See*—
Utterback, Sinclair, and Crowley.

Sjoberg, John G., Oakland, assignor to Pacific Coast Engineering Company, Alameda, Calif. Universal pipe coupling. 2,456,744, Dec. 21.

Slack, Charles M.: *See*—
Arnott, Edward G. F., Slack, and Dawley.

Slack, Charles M., Glen Ridge, I. E. Mouromtseff, Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency device. 2,456,896, Dec. 21.

Slater, Fred M., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Mounting for rock drills. 2,456,745, Dec. 21.

Slick, Edwin E., Pittsburgh, Pa. Bottom structure for bessemer converters. 2,456,798, Dec. 21.

Smies, Malvin J., Sheboygan, Wis. Magneto cutout mercury switch for tractors. 2,456,799, Dec. 21.

Smiley, Lloyd D., Jackson Heights, and E. S. Lansing, New York, N. Y., assignors of one-half to said Lansing and one-half to H. B. Bishop, Summit, N. J. Electrolytic clarification apparatus 2,456,897, Dec. 21.

Smith, Arthur L.: *See*—
Clapham, Harry F., Harris, and Smith.

Smith, Bernard W., Hartford, Conn. Burglar alarm. 2,457,072, Dec. 21.

Smith Control and Instrument Corporation, assignee: *See*—
Smith, Norman J.

Smith, John H., Upper Darby, Pa., assignor to General Cable Corporation, New York, N. Y. Packaging wire. 2,457,094, Dec. 21.

Smith, Norman J., Medfield, assignor to Smith Control and Instrument Corporation, Needham, Mass. Pressure switch. 2,456,844, Dec. 21.

Smith, Roy W.: *See*—
Ringle, Charles J., and Smith.

Smith, Wilfred I., Chicopee Falls, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Trigger action for automatic firearms. 2,457,001, Dec. 21.

Snader, Ira J., Detroit, Mich., assignor to Avco Manufacturing Corporation. Speed governor. 2,456,746, Dec 21.

Snader, Ira J., Detroit, Mich., assignor to Avco Manufacturing Corporation. Speed governor. 2,456,748, Dec. 21.

Snader, Ira J., Detroit, Mich., and A. G. Forsyth, Cheam, England, assignors of one-half to Avco Manufacturing Corporation, and one-half to The Fairey Aviation Company, Ltd., Hayes, Middlesex, England. Speed governor. 2,456,747, Dec. 21.

Snow, Donald L., Hempstead, and W. W. Hansen, Garden City, N. Y., assignors to The Sperry Corporation. Seal for high-frequency transmission lines. 2,456,653, Dec. 21.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Pinney, Ernest F.
Schlesman, Carleton H.
Simpson, Thompson P., and Evans.
Utterback, Ernest, Sinclair, and Crowley, Jr.

Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr., San Mateo, Calif. Secondary electron emission tube. 2,456,654, Dec. 21.

Spalding, A. G., & Bros., Inc., assignee: *See*—
Kearsley, Edward P., and Marciniak.

Sperry Corporation, The, assignee: *See*—
Curry, Robert S., Jr., Lane, and Woodbury.
Kenyon, David E.
Snow, Donald L., and Hansen.

Spiro, Benjamin E.: *See*—
Linde, Leonard J., Arone, and Spiro.

Spiro, Benjamin E., Philadelphia, Pa., assignor to General Electric Company. Insulating housing for electrical apparatus. 2,457,002, Dec. 21.

Spo, Inc., assignee: *See*—
Young, Lester C.

Spokes, Ray E., Ann Arbor, Mich., assignor to American Brake Shoe Company, New York, N. Y. Friction element. 2,457,003, Dec. 21.

Standard Car Truck Company, assignee: *See*—
Leese, Charles P.

Standard Oil Development Company, assignee: *See*—
Beach, Leland K.
Morrell, Charles E., and Swaney.

Stannow, Jörgen C., Lidingo, Sweden, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Tuning indicator in radio receivers. 2,457,004, Dec. 21.

Stearns, Kenneth R., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine cylinder joint. 2,457,073, Dec. 21.

Stelbel, James P., Racine, Wis. Bending means. 2,456,749, Dec. 21.

Stevens, Guy W. W.: *See*—
Knott, Edward B., and Stevens.

Stevens, Guy W. W., Harrow, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic process. 2,457,005, Dec. 21.

Stiller, Eric T.: *See*—
Gyorgy, Paul, Williamson, and Stiller.

Stine Ivan E., and H. A. La Fayette, Los Angeles, Calif. Combination bath and dressing table for infants. 2,456,845, Dec. 21.

Strandhagen, Harry I., Fort Lauderdale, Fla., assignor, by mesne assignments, of one-half to Bassett Research Corporation. Body restraint for infants. 2,456,898, Dec 21.

Strauss, Margaret B., New York, N. Y. Reaction products of pyridine and allergenic extracts of plants of the genus rhus. 2,456,750, Dec. 21.

Stribley, Arthur F., Jr.: *See*—
Farkas, Adalbert, and Stribley.

Strong, Cole, Estancia, N. Mex. Grease gun filler. 2,456,751, Dec. 21.

Strong, John D., Baltimore, Md., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Use of silicon compounds in producing quartz coatings in a vacuum. 2,456,899, Dec. 21.

Strother, Fred P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Rheostat with rectilinear slide. 2,457,095, Dec. 21.

Stryker, Charles R.: *See*—
Simard, Gerald L., and Stryker.

Stuewe, Clarence C., Cleveland, Ohio. Stapling machine. 2,457,006, Dec. 21.

Sullivan, Harold J., Cranford, and E. G. F. Arnott, Upper Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spark-gap device and electrode therefor. 2,456,900, Dec. 21.

Sundstrom, Savin L.: *See*—
Buttner, William C., and Sundstrom.

Superior Coach Corporation, assignee: *See*—
Schofield, Earl L.

Supply, In His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, Minister of, assignee: *See*—
Jones, Frank L.

Surmatis, Joseph D., Nutley, N. J., assignor, by mesne assignments, to The Brush Development Company, Cleveland, Ohio. Resolution of racemic tartaric acid. 2,456,752, Dec. 21.

Sutherland, Ernest E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric range surface unit 2,457,007, Dec. 21.

Svenska Ackumulator Aktiebolaget Jungner, assignee: *See*—
Ohman, Karl Y.

Swafford, Luther B., England, Ark. Cotton chopper with burners. 2,456,901, Dec. 21.

Swanee, Elmo E., San Francisco, assignor of two-thirds to M. C. Kidder, Los Angeles, Calif. Car wheel grinder. 2,456,753, Dec. 21.

Swaney, Miller W.: *See*—
Morrell, Charles E., and Swaney.

Swanson, Harry R., Katonah, assignor, by mesne assignments, to Petro-Chem Process Company, Incorporated, New York, N. Y. Heating fluids. 2,457,096, Dec. 21.

Swenson, Oscar J., Ithaca, assignor to Colonial Sugars Company, New York, N. Y., and S. C. Johnson & Son, Inc., Racine, Wis. Wax production. 2,456,655, Dec. 21.

Swenson, Oscar J., Ithaca, assignor to Colonial Sugars Company, New York, N. Y., and S. C. Johnson & Son, Inc., Racine, Wis. Wax production. 2,456,656, Dec. 21.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Electronic saw-tooth pulse generator. 2,456,754, Dec. 21.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Frequency converter circuit. 2,457,008, Dec. 21.

Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,457,009, Dec. 21.

Taylor, Maurice K. and J. Greenhalgh, Hollinwood, England, assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Impedance matching arrangement. 2,456,800, Dec. 21.

Tecalemit Limited, assignee: *See*—
Le Clair, Camille C. S.

Te Grotenhuis, Theodore A., Olmsted Falls, Ohio. Polymeric composition and making same. 2,457,097, Dec. 21.

Teletype Corporation, assignee: *See*—
Neuhaus, Robert G.
O'Neil, William M.
Potts, Louis M.
Schuler, Reginald G.

Tennessee Copper Company, assignee: *See*—
Nikitin, Alexander A.

Terrell, Claude J., Quincy, Ill. Helical coil butt ground winding machine. 2,456,755, Dec. 21.

Thayer, Sidney A.: *See*—
Doisy, Edward A., Thayer, MacCorquodale, McKee, and Blakley.

Thedick, John H., Oakland, Calif. Portable boat. 2,457,010, Dec. 21.

Thompson Grinder Company, The, assignee: *See*—
Wilson, John C.

Thompson, Parke H., Kirkwood, assignor to AMP Corporation, St. Louis, Mo. Intermittently vibrating electric motor. 2,456,846, Dec. 21.

Thompson, Robert F.: *See*—
Dreyfus, Camille, Rowley, and Thompson.

Tietig, Chester, Park Hills, Ky. Shoe tree. 2,456,756, Dec. 21.

Timken-Detroit Axle Company, The, assignee: *See*—
Buckendale, Lawrence R.

Tolson, William A., Princeton, N. J., assignor to Radio Corporation of America. Optical heat detection system. 2,456,801, Dec. 21.

Trans-Lux Corporation, assignee: *See*—
Roth, Bert W.

Treat, Herbert R.: *See*—
Kniel, Ludwig, Lambert, and Treat.

Treuthart, Robert L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contact and shorting mechanism. 2,456,902, Dec. 21.

Tubbs, Lester G., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric circuit for electromagnets. 2,457,011, Dec. 21.

Ultrasonic Corporation, assignee: *See*—
Horsley, Caperton B.

Underwood, Lulu M.: *See*—
Underwood, Sylvester B. and L. M.

Underwood, Sylvester B. and L. M., Santa Cruz, Calif., assignors to Foley Manufacturing Company, Minneapolis, Minn. Saw stabilizer for saw filing machines. 2,456,847, Dec. 21.

Union Carbide and Carbon Corporation, assignee: *See*—
Jones, Homer W.

Union Manufacturing Company, assignee: *See*—
Church, Albert E.

Union Oil Company of California, assignee: *See*—
Farkas, Adalbert, and Stribley, Jr.

Union Switch & Signal Company, The, assignee: *See*—
Grondahl, Lars O.

United Shoe Machinery Corporation, assignee: *See*—
Eastman, Fred C.
Haas, Otto R.

United States Motor Corporation, assignee: *See*—
Hall, Stanley W.

Universal Oil Products Company, assignee: *See*—
Bloch, Herman S., and Schaad.
Deanesly, Richard M.
Haensel, Vlandimir.
Leffer, Frederick W.

Universal Winding Company, assignee: *See*—
Winslow, Albert E.

Upper, Frederick A., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and making. 2,457,012, Dec. 21.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Angle modulated wave discriminator. 2,457,013, Dec. 21.

Utterback, Ernest, Upper Darby, and E. L. Sinclair, Philadelphia, Pa., and J. A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for conducting reactions in the presence of a contact mass. 2,457,098, Dec. 21.

Vagts, Hale F., San Jose, Calif. Explosive land mine. 2,456,657, Dec. 21.

Valenta, Frank C., Burbank, Calif. Poultry picker. 2,456,757, Dec. 21.

Valentin, André, Belfort, France, assigner to General Electric Company. Dynamoelectric machine. 2,457,014, Dec. 21.

Van der Veen, Tiemen, Amsterdam, Netherlands. Rubber heel. 2,457,015, Dec. 21.

Van Geel, Willem C., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Blocking-layer electrode system. 2,456,758, Dec. 21.

Van Vulpen, John: *See*—
Yindrock, John J., and Van Vulpen.

Vapor Heating Corporation, assignee: *See*—
Yindrock, John J., and Van Vulpen.

Variety Development and Engineering Company, assignee: *See*—
Livers, Carlos B.

Verner, Stanley, Montreal, Quebec, Canada. Dispensing container. 2,457,107, Dec. 21.

Versen, Kurt, Tenafly, N. J. Lighting fixture. 2,456,903, Dec. 21.

Vicksell, Victor A.: *See*—
Bundren, Harry E.

Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Frequency modulation receiver tuning aid. 2,457,016, Dec. 21.

Vines, Raymond F.: *See*—
Wise, Edmund M., and Vines.

Vulcan Corporation, assignee: *See*—
Clausing, Henry G.

Wahlström, Nils H., Stockholm, Sweden. Stamp. 2,456,904, Dec. 21.

Waldheim, John Elizabeth, N. J. Clothesline holder. 2,456,658, Dec. 21.

Walley, Omar C., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic control device. 2,457,017, Dec. 21.

Walsh, James M., Los Angeles, Calif. Necktie accessory. 2,456,848, Dec. 21.

Walsh, Philip J., San Francisco, Calif. Oscillator system. 2,456,802, Dec. 21.

Wantling, Joseph W., Allwood, N. J., assignor, by mesne assignments, to Hewitt-Robins Incorporated. Dewatering screen. 2,457,018, Dec. 21.

War, the United States of America as represented by the Secretary of, assignee: *See*—
Morgan, Agnes F., and Watts.
Simpson, Clarence E.

Waters, Jesse E., Pratt, Kans. Highway signal. 2,456,849, Dec. 21.

Watts, Betty M.: *See*—
Morgan, Agnes F., and Watts.

Weber, Earl E., Greene Township, Hamilton County, Ohio. Signal lamp. 2,457,019, Dec. 21.

Weidner, William, New York, N. Y. Laminated midsole and outsole construction. 2,456,659, Dec. 21.

Weinkauff, Oliver J., assignor to Monsanto Chemical Company, St. Louis, Mo. Propenyl ethacol. 2,457,074, Dec. 21.

Wellnsky, Irving H.: *See*—
Milliken, Thomas H., Jr., and Wellnsky.

Werner, Le Roy L., Washington, D. C. Dispensing roll holder. 2,456,660, Dec. 21.

Western Electric Company, assignee: *See*—
Hanson, Estyle D., and Nelson.
Henning, George E.

Westinghouse Electric Corporation, assignee: *See*—
Arnott, Edward G. F., and Dawley.
Arnott, Edward G. F., Slack, and Dawley.
Baker, Robert M.
Baudry, René A.
Berberich, Leo J.
Bollaert, Reul.
Carter, John M.
Cumming, James M.
Frostick, Harold G.
Harder, Edwin L.
Hodnette, John K.
Hutchison, William M.
Iglehart, Ferdinand C.
Jernstedt, George W.
King, George E.
Lee, Reuben.
Lee, Reuben, and Duffy.
Leitzel, Raymond H.
Lindbeck, Simon L.
Longini, Richard L.
Macdonald, Angus A.
MacNeill, John B.
Moore, Raymond W.
Morse, William H.
Okress, Ernest C.
Rambo, Rawdon E., and Jenkins.
Rigrod, William W.
Riley, Lynn G.
Slack, Charles M., and Dinnick.
Stearns, Kenneth R.
Sullivan, Harold J., and Arnott.
Sutherland, Ernest E.
Tanner, Elo C.
Treuthart, Robert L.
Tubbs, Lester G.
Walley, Omar C.

Weston Electrical Instrument Corporation, assignee: *See*—
Morelock, Oliver J.

Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency energy leakage suppressor. 2,456,803, Dec. 21.

White, Jesse O., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acetylene tetramethacrylate and polymers thereof. 2,456,759, Dec. 21.

Whitney, Clarence G., Camden, N. J. Playing cards. 2,457,020, Dec. 21.

Whitney, Paul V., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Endless conveyer, including movable cut-off and culling means in its feed structure. 2,456,760, Dec. 21.

Wilbert Manufacturers Association, assignee: *See*—
Haase, Wilbert W.

Wilder, Edward A., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Cane wax production. 2,456,661, Dec. 21.

Williams Gold Refining Company, Inc., assignee: *See*—
Ringle, Charles J., and Smith.

Williams, Merlyn G., Jr., Downers Grove, and A. Dahl, Chicago, Ill. Abrasive tool. 2,457,076, Dec. 21.

Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Rugged cathode. 2,456,761, Dec. 21.

Williams, Thomas J., Gas City, Ind. Fishing pole. 2,457,075, Dec. 21.

Williamson, Martha: *See*—
Gyorgy, Paul, and Williamson.

Willis, Robert L., Baltimore, Md. Article rack. 2,456,850, Dec. 21.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for crush dressing grinding wheels. 2,456,762, Dec. 21.

Wines, Elmer J., South Gate, Calif. Fiber renovating machine. 2,456,905, Dec. 21.

Winslow, Albert E., Norwich, Conn., assignor, by mesne assignments, to Universal Winding Company, Cranston, R. I. Thread finishing machine. 2,456,804, Dec. 21.

Winthrop-Stearns Inc., assignee: *See*—
King, John A.

Wise, Edmund M., Westfield, N. J., and R. F. Vines, Queens Village, assignors to The International Nickel Company, Inc., New York, N. Y. Palladium plating. 2,457,021, Dec. 21.

Wohlforth, Walter W., San Francisco, Calif., assignor to The Heil Co., Milwaukee, Wis. Side gate elevator for trucks. 2,456,805, Dec. 21.

Wolffe, Erwin B., Chicago, Ill. Vaginal gauge. 2,456,806, Dec. 21.

Woodall Industries, Inc., assignee: *See*—
Dee, Herbert C.

Woodbury, Stephen E.: *See*—
Curry, Robert S., Jr., Lane, and Woodbury.

Woodin, William H., Jr., assignor: *See*—
Soller, Walter.

Woodward, Charles F., Abington, D. H. Saunders, Oreland, and R. C. Provost, Jr., Washington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Alkylnicotinium arylsulfonate pesticide. 2,456,851, Dec. 21.

Woolsey, Theodore A., Inglewood, Calif., assignor to Marman Products Co., Inc. Tube clamp. 2,457,077, Dec. 21.

Worcester Polytechnic Institute, assignee: *See*—
Holbrook, John A.

Wyeth Incorporated, assignee: *See*—
Bruce, William F.
Gyorgy, Paul, and Williamson.

Wymer, William C., U. S. Navy, Oregon City, Oreg. Hammering device. 2,456,662, Dec. 21.

Yindrock, John J., and J. Van Vulpen, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Antifreeze drain fitting. 2,456,807, Dec. 21.

Young, Lester C., Cleveland, Ohio, assignor to Spo, Inc. Jolt molding machine. 2,456,663, Dec. 21.

Yula, Henry F., New York, N. Y. Preheating apparatus. 2,457,022, Dec. 21.

Yurgensen, William P., Sharon Hill, Pa. Split chuck for electric welding guns. 2,456,664, Dec. 21.

Zelt, Elmer J., Fort Wayne, Ind., assignor to General Electric Company. Encasing assembly. 2,457,023, Dec. 21.

Ziegler, Marc, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency atabilization. 2,456,763, Dec. 21.

Zienty, Ferdinand B.: *See*—
Kyrides, Lucas P., and Zienty.

Zienty, Ferdinand B., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of 2-thenyl chloride. 2,457,079, Dec. 21.

Zienty, Ferdinand B., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of 2-thenyl chloride. 2,457,080, Dec. 21.

Zienty, Ferdinand B., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of 2-thenyl chloride. 2,457,081, Dec. 21.

Zienty, Ferdinand B., St. Louis, and L. P. Kyrides, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Brominating heterocyclic compounds. 2,457,078, Dec. 21.

Zworykin, Vladimir K., and L. E. Flory, Princeton, N. J., assignors to Radio Corporation of America. Electronic-reading aid for the blind. 2,457,099, Dec. 21.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Electrical control system. F. L. Mosley. Re. 23,066, Dec. 21.

Washing machine with pivotally supported outer and inner shells and power means on the outer shell for rotating the inner shell. H. C. Ellis. Re. 23,065, Dec. 21.

LIST OF DESIGN INVENTIONS

Accessory lamp for a cook stove. B. N. Trombley. 152,177, Dec. 21.
Aircraft, Rotary winged. F. J. Knack. 152,161, Dec. 21.
Airplane toy. A. Halvas. 152,152, Dec. 21.
Battery cover, Storage. R. M. Raney. 152,169, Dec. 21.
Billfold, purse, and memorandum pad holder, Combined. H. A. Bauman. 152,134, Dec. 21.
Box, Parts. G. C. Montague. 152,167, Dec. 21.
Cabinet for lubricating equipment. R. P. Field. 152,148, Dec. 21.
Clip, Watch band. G. M. Ellesson. 152,147, Dec. 21.
Coffee table and bar, Combination. G. Douglas. 152,143, Dec. 21.
Container, Cargo. M. B. Crawford and E. C. Mitchell. 152,140–1, Dec. 21.
Container, Combination cigarette and match. H. E. Larson. 152,164, Dec. 21.
Dictating machine. C. W. Dann, G. F. Braun, and R. M. Somers. 152,142, Dec. 21.
Doll. A. Fine. 152,149, Dec. 21.
Doughnut machine, Automatic. E. J. Roth. 152,170, Dec. 21.
Fire grate. F. W. Goodwin. 152,151, Dec. 21.
Fish lure. B. M. Potter. 152,168, Dec. 21.
Fish lure. A. Sisco. 152,176, Dec. 21.
Flashlight or similar article. S. Bersudsky. 152,137, Dec. 21.
Game board. M. H. Silverman. 152,174–5, Dec. 21.
Glider swing. M. L. Drewniak. 152,144, Dec. 21.
Grip, Hand protecting. L. T. Jones. 152,157, Dec. 21.
Laundry bag or the like. W. Seidler. 152,173, Dec. 21.
Mixer, Food. C. Karstadt. 152,158, Dec. 21.
Pitcher. R. J. Kemper. 152,159, Dec. 21.
Radio cabinet. E. M. Valley. 152,179, Dec. 21.
Radio receiver cabinet. A. L. Jenks. 152,156, Dec. 21.
Record file. G. H. Kress. 152,163, Dec. 21.
Screw driver. S. Jacoff. 152,155, Dec. 21.
Skirt ensemble or similar article of wearing apparel. O. H. Cohen. 152,138, Dec. 21.
Step. N. J. Harvey. 152,153, Dec. 21.
Table top, Game. J. Klotz. 152,160, Dec. 21.
Table top, Game. M. M. Warner. 152,181, Dec. 21.
Tap, Hot line. S. P. Becker. 152,135, Dec. 21.
Telephone hand set. L. Kniep, Jr. 152,162, Dec. 21.
Textile fabric or similar article. R. E. Minger. 152,166, Dec. 21.
Thermostat cover. J. G. Eldridge. 152,146, Dec. 21.
Tone arm. L. J. Andres. 152,133, Dec. 21.
Top, back guard panel, timer and utility compartment for a cooking range, Combined. L. F. Covey. 152,139, Dec. 21.
Toy automobile. W. E. Hoffmann. 152,154, Dec. 21.
Toy figure. M. Glass. 152,150, Dec. 21.
Traffic signal or similar article. P. R. Russell. 152,171, Dec. 21.
Trim for a stove, Splash back. B. N. Trombley. 152,178, Dec. 21.
Truck, Lift. E. A. Wagner. 152,180, Dec. 21.
Vending machine, Drink. W. J. During and J. J. Punke. 152,145, Dec. 21.
Washing device or similar article. J. D. Berry. 152,136, Dec. 21.
Wheelbarrow. L. H. Ryder. 152,172, Dec. 21.
Whirling toy. J. Merrico. 152,165, Dec. 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article and making. F. A. Upper. 2,457,012, Dec. 21.
Abrasive tool. M. G. Williams, Jr., and A. Dahl. 2,457,076, Dec. 21.
Acetamidyl derivatives of amino-quinolines, Disubstituted. W. F. Bruce. 2,456,911, Dec. 21.
Acetylene tetramethacrylate and polymers thereof. J. O. White. 2,456,759, Dec. 21.
Acrylic esters of olefinic alcohols and polymers thereof and making them. C. E. Rehberg and C. H. Fisher. 2,456,647, Dec. 21.
Adjustable bier pin. E. L. Schofield. 2,456,739, Dec. 21.
Aircraft anti-icing arrangement. J. D. Campbell and J. M. Roth. 2,457,031, Dec. 21.
Alarm apparatus, Railway train emergency. L. O. Grondahl. 2,456,871, Dec. 21.
Alarm, Burglar. B. W. Smith. 2,457,072, Dec. 21.
Alarm system for heat exchange devices. H. H. Rauh. 2,457,069, Dec. 21.
Alcohols, Oxidizing. R. M. Deenesly. 2,456,683, Dec. 21.
Alkylnicotinium arylsulfonate pesticide. C. F. Woodward, D. H. Saunders, and R. C. Provost, Jr. 2,456,851, Dec. 21.
Amides, Production of. J. A. King. 2,456,785, Dec. 21.
Ammunition stowage and handling. G. A. Chadwick and P. H. Girouard. 2,456,620, Dec. 21.
Amplifier system, Quenched. R. C. Moore. 2,457,062, Dec. 21.
Antiskid chain. A. Peterson. 2,457,068, Dec. 21.
Apparatus for conducting reactions in the presence of a contact mass. E. Utterback, E. L. Sinclair, and J. A. Crowley, Jr. 2,457,098, Dec. 21.
Apparatus for conversion of hydrocarbons. T. P. Simpson and L. P. Evans. 2,457,093, Dec. 21.
Apparatus for crush dressing grinding wheels. J. C. Wilson. 2,456,762, Dec. 21.
Apparatus for dry sump lubrication of engines. E. A. Mori. 2,456,886, Dec. 21.
Apparatus for drying finely divided materials while suspended in a gas. R. A. Caughey. 2,456,674, Dec. 21.
Apparatus for forming glass beads and the like articles. A. Gruenwald. 2,456,697, Dec. 21.
Apparatus for improving the durability of optical coatings. E. W. Kellogg. 2,456,708, Dec. 21.
Apparatus for inspection of articles by means of X-ray photographs. W. J. Daly. 2,456,816, Dec. 21.
Apparatus for making building units. J. A. Scharwath. 2,457,070, Dec. 2.
Apparatus for quenching metallic articles. F. H. Mueller. 2,456,984, Dec. 21.
Apparatus for shearing strips of plastic material. E. D. Hanson and O. G. Nelson. 2,456,699, Dec. 21.
Apparatus for testing and marking insulated conductors. G. E. Henning. 2,456,704, Dec. 21.
Apparatus for the manufacture of abrasive webs. N. E. Oglesby. 2,456,985, Dec. 21.
Appliance, Display. J. T. Powers, Jr. 2,456,990, Dec. 21.
Arrangement for electrical windings, Protective. K. K. Paluev. 2,456,986, Dec. 21.
Arrangement for simulating a reactive impedance. L. F. Curtis. 2,457,034, Dec. 21.
Article rack. R. L. Willis. 2,456,850, Dec. 21.
Atomizing oil burner. A. Perretti. 2,457,067, Dec. 21.
Attachment for dental surveying instruments. C. J. Ringle and R. W. Smith. 2,457,090, Dec. 21.
Auger, Posthole. R. H. Dobbs. 2,456,819, Dec. 21.
Axle, Interchangeable front and rear drive. L. R. Buckendale. 2,456,616, Dec. 21.
Bait, Artificial. M. A. Adams. 2,456,665, Dec. 21.
Bath shower, Automatic. A. H. Hatchette. 2,456,703, Dec. 21.
Battery charger. L. A. Medlar. 2,456,978, Dec. 21.
Bed table. B. da Costa. 2,456,867, Dec. 21.
Bender, Tube. C. J. Chaille. 2,456,675, Dec. 21.
Bending means. J. P. Steibel. 2,456,749, Dec. 21.
Birdproofing. J. S. Peles. 2,456,731, Dec. 21.
Blade, Fan. A. Kern. 2,456,710, Dec. 21.
Blanket control, Electric. H. W. A. Chalberg. 2,456,916, Dec. 21.
Block: *See*—
  Bolster block.
  Sanding block.
Blowpipe apparatus. H. W. Jones. 2,456,784, Dec. 21.
Blower type radiant heater. E. F. Hardey. 2,456,781, Dec. 21.
Board: *See*—
  Cutlery display board.
Boat mooring device. J. W. Princell. 2,456,839, Dec. 21.
Boat, Portable. J. H. Thedick. 2,457,010, Dec. 21.
Body restraint for infants. H. I. Strandhagen. 2,456,898, Dec. 21.
Bonding a nickel electrodeposit to a nickel surface. R. C. McQuire. 2,457,059–61, Dec. 21.
Booster control, Ammunition. L. S. Carless. 2,456,618, Dec. 21.
Boring head. W. P.-G. Hall. 2,457,040, Dec. 21.
Boring mill. O. E. Schurr. 2,456,741, Dec. 21.
Bolster block. C. J. Bath. 2,456,856, Dec. 21.
Bottom structure for bessemer converters. E. E. Slick. 2,456,798, Dec. 21.
Box: *See*—
  Lunch box.
Bracket: *See*—
  Flatiron holder bracket.
Brake mechanism, Spindle. L. W. Pray. 2,457,089, Dec. 21.
Brassière. J. V. Hollar. 2,456,872, Dec. 21.
Brassière and similar garments. E. W. Gluckin. 2,456,695, Dec. 21.
Brazing alloy. W. W. Dyrkacz. 2,456,933, Dec. 21.
Bridge, High-frequency impedance. E. C. Cork and A. D. Blumlein. 2,456,679, Dec. 21.
Brominating heterocyclic compounds. F. B. Zienty and L. P. Kyrides. 2,457,078, Dec. 21.
Buckle. C. L. Sevin. 2,457,000, Dec. 21.
Burner: *See*—
  Atomizing oil burner.
Bushing, Electrical apparatus. L. J. Linde, N. F. Arone, and B. E. Spiro. 2,456,640, Dec. 21.
Can: *See*—
  Household trash can.
Candles, Production of. E. F. Pinney. 2,457,088, Dec. 21.
Carburetor ice responsive device. W. H. Kliever. 2,457,085, Dec. 21.
Cards, Playing. C. G. Whitney. 2,457,020, Dec. 21.
Carrier: *See*—
  Chart carrier.
Case: *See*—
  Cigarette or like dispensing case.
  Lipstick case.
Case with rotating means, Thermometer. R. L. Papermaster. 2,456,837, Dec. 21.
Casing and fastening means therefor. K. M. Feiertag. 2,456,934, Dec. 21.
Catalyst manufacture. T. H. Milliken, Jr., and I. H. Welinsky. 2,456,721, Dec. 21.
Catalyst preparation. V. Haensel. 2,456,633, Dec. 21.
Cathode. G. F. Rouse. 2,456,649, Dec. 21.
Cathode and heater, Thermionic. R. R. Law. 2,456,714, Dec. 21.
Cathode-ray tube. L. H. Bedford, J. Bell, and E. M. Langham. 2,456,809, Dec. 21.
Cathode, Rugged. P. D. Williams. 2,456,761, Dec. 21.
Cathode sputtering apparatus for coating oscillator plates. W. H. E. Samuelson. 2,456,795, Dec. 21.
Cellulose compound wrinkle composition. N. T. Beynon. 2,456,670, Dec. 21.
Cellulose ester stabilization in anhydrous medium. C. Dreyfus, R. D. Rowley, and R. F. Thompson. 2,456,688, Dec. 21.
Chain: *See*—
  Antiskid chain.
Chamber, Acoustic. C. B. Horsley. 2,456,706, Dec. 21.
Chart carrier. J. S. Clachko. 2,456,677, Dec. 21.
Checking system, Cipher. L. M. Potts. 2,456,733, Dec. 21.
Chopper with burners, Cotton. L. B. Swafford. 2,456,901, Dec. 21.
Chuck. E. Bugatti. 2,457,030, Dec. 21.
Chuck. J. E. I. Cairns and C. D. Docherty. 2,456,914, Dec. 21.
Chuck, Eccentric. R. E. Faust. 2,456,776, Dec. 21.
Chuck for electric welding guns, Split. W. P. Yurgensen. 2,456,664, Dec. 21.
Cigarette or like dispensing case. W. D. Leatherman. 2,456,963, Dec. 21.
Circuit: *See*—
  Control circuit.
  Frequency converter circuit.
Circuit breaker. J. B. MacNeill. 2,456,971, Dec. 21.
Circuit for cathode-ray oscilloscopes, Trace blanking. Y.-Y. A. Mao. 2,456,973, Dec. 21.
Circuit for electric discharge devices. V. J. Francis and E. H. Nelson. 2,456,870, Dec. 21.
Circuit for electromagnets, Electric. L. G. Tubbs. 2,457,011, Dec. 21.
Circuit interrupter. J. M. Cumming. 2,456,926, Dec. 21.
Circuit with pulse output attenuating means, Electronic trigger. A. H. Dickinson. 2,456,818, Dec. 21.
Circuits for high impedance aerials, Coupled. C. W. Eggleton. 2,456,772, Dec. 21.

Circulating means for pistons and connecting rods, Oil. K. V. Anderson. 2,456,668, Dec. 21.
Clamp: *See*—
Line tap clamp. Tube clamp.
Clarification apparatus, Electrolytic. L. D. Smiley and E. S. Lansing. 2,456,897, Dec. 21.
Cleaner: *See*—
Vacuum cleaner.
Clip: *See*—
Tobacco clip.
Clothesline holder. J. Waldheim. 2,456,658, Dec. 21.
Clothespin. J. F. Bergantino. 2,457,026, Dec. 21.
Clutch: *See*—
Latch operated clutch.
Coating for metal surfaces, Corrosion resistant. G. W Jernstedt. 2,456,947, Dec. 21.
Coating method and apparatus, Mold. T. J. Arbron. 2,456,853, Dec. 21.
Coffee concentrate and producing it. A. A. Epstein. 2,457,036, Dec. 21.
Collapsible tube holder. C. Arp. 2,457,024, Dec. 21.
Collar support. G. C. Morrison. 2,456,887, Dec. 21.
Comb, Fountain. A. R. Dominguez. 2,456,687, Dec. 21.
Composite material and shaped bodies therefrom. C. G. Goetzel. 2,456,779, Dec. 21.
Composition comprising coumarone indene resin, cetyl acetamide, and ethyl cellulose, Impregnating. W. P. Lowden. 2,456,717, Dec. 21.
Connections, Damper-winding flexible. W. H. Morse. 2,456,983, Dec. 21.
Connector: *See*—
Electrical connector.
Contact and shorting mechanism. R. L. Trenthart. 2,456,902, Dec. 21.
Container: *See*—
Dispensing container.
Container. W. A. Roselle. 2,456,735, Dec. 21.
Container. F. L. Rushing. 2,456,841, Dec. 21.
Container closure. H. G. Maeder, Jr., and M. R. Day. 2,456,972, Dec. 21.
Control circuit. A. A. MacDonald. 2,456,970, Dec. 21.
Control device. V. N. Schubel. 2,456,998, Dec. 21.
Control device, Electromagnetic. O. C. Walley. 2,457,017, Dec. 21.
Control device indicator. D. B. Keim. 2,456,949, Dec. 21.
Control mechanism for electric motors, Speed. W. L. Hansen and I. N. Hurst. 2,456,701, Dec. 21.
Control mechanism, Hydraulic. A. E. Kremiller. 2,456,712, Dec. 21.
Control mechanism, Motor and clutch. J. L. Moody. 2,456,980, Dec. 21.
Control system, Pulse shaping. R. Lee and P. A. Duffy, Jr. 2,456,960, Dec. 21.
Controlling means, Gyroscopic. R. S. Curry, Jr., A. W. Lane, and S. E. Woodbury. 2,456,619, Dec. 21.
Controller, Hot-wire bridge overspeed. G. L. Borell. 2,456,765, Dec. 21.
Coupling for use in fluid supply systems. C. C. S. Le Clair. 2,457,052, Dec. 21.
Conversion of hydrocarbons. H. S. Bloch and R. E. Schaad. 2,456,672, Dec. 21.
Conversion of hydrocarbons. F. W. Leffer. 2,456,715, Dec. 21.
Conveyer, including movable cut-off and culling means in its feed structure, Endless. P. V. Whitney. 2,456,760, Dec. 21.
Cooling system for internal-combustion engines. P. Klotsch. 2,456,951, Dec. 21.
Copper fungicides and producing same. A. A. Nikitin 2,456,727, Dec. 21.
Copper solvent for diolefin extraction, Selective. L. K. Beach. 2,456,723, Dec. 21.
Copper solvent for diolefin extraction, Selective. C. E. Morrell and M. W. Swaney. 2,456,722, Dec. 21.
Counter, Portable checking. J. A. Davenport. 2,456,817, Dec. 21.
Coupler, Trailer. J. P. K. Fontaine and A. S. Brumby. 2,456,826, Dec. 21.
Coupling: *See*—
Universal pipe coupling.
Coupling. C. E. Patterson. 2,457,105, Dec. 21.
Coupling assembly. A. R. Jones and B. C. Look, Jr. 2,456,636, Dec. 21.
Crane control. R. Bollaert. 2,456,908, Dec. 21.
Crystal seed and obtaining it. B. R. F. Kjellgren. 2,456,831, Dec. 21.
Crystal with moisture-proof coatings, Piezoelectric. A. M. Robinson. 2,456,995, Dec. 21.
Cushion structure, Tilting. K. K. Horner and L. W. Hiltman. 2,456,874, Dec. 21.
Cutlery display board. E. E. Case. 2,457,032, Dec. 21.
Cutter: *See*—
Rotary cutter.
Dehydration of hydroxylated oils. J. B. Rust. 2,456,996, Dec. 21.
Detection system, Optical heat. W. A. Tolson. 2,456,801, Dec. 21.
Detector, Angle modulated wave. W. L. Carlson. 2,456,915, Dec. 21.
Device adapted to produce saw tooth oscillations. J. Haantjes. 2,456,700, Dec. 21.
Device for hoists, Safety. J. E. Patterson. 2,456,646, Dec. 21.
Device for teaching correct penmanship, Educational. S. R. Greenberg. 2,456,632, Dec. 21.
Device for the control of flow of fluids. H. Dahnke. 2,456,626, Dec. 21.
Dewatering screen. J. W. Wantling. 2,457,018, Dec. 21.
Direction finding system, Radio. C. S. Agate and A. H. Cooper. 2,456,666, Dec. 21.
Discriminator, Angle modulated wave. G. L. Usselman. 2,457,013, Dec. 21.
Dish, Soap. J. Kirkbride. 2,456,877, Dec. 21.
Dispenser: *See*—
Liquid dispenser.
Dispenser for tooth powder and the like. R. W. Hopkins. 2,456,873, Dec. 21.
Dispensing container. S. Verner. 2,457,107, Dec. 21.
Dispensing mechanism, Tape. J. F. Cullin. 2,456,625, Dec. 21.
Dispensing roll holder. L. L. Werner. 2,456,660, Dec. 21.
Distributor. C. J. Fitch and R. N. Elchorn. 2,456,825, Dec. 21.
Door for liquid containers, Access. F. J. Pepersack. 2,457,066, Dec. 21.
Door stop. L. J. Semeyn. 2,456,843, Dec. 21.
Drain fitting, Antifreeze. J. J. Yindrock and J. Van Vulpen. 2,456,807, Dec. 21.
Drying apparatus, Thread. L. A. Corey and T. S. Mayner. 2,456,925, Dec. 21.
Dynamoelectric machine. R. A. Baudry. 2,456,612, Dec. 21.
Dynamoelectric machine. A. Valentin. 2,457,014, Dec. 21.
Easel picture frame. C. C. Miles. 2,456,720, Dec. 21.
Electric discharge apparatus. J. H. Campbell. 2,456,859, Dec. 21.
Electric discharge apparatus. J. H. Campbell. 2,456,860, Dec. 21.
Electric motor. C. B. Livers. 2,456,967, Dec. 21.
Electric water heater. S. W. Hall. 2,456,698, Dec. 21.
Electrical connector. P. J. Bach and J. H. Simpson. 2,456,764, Dec. 21.
Electrode system, Blocking-layer. W. C. van Geel. 2,456,758, Dec. 21.
Electrodes for arc lights. R. W. Hickman. 2,457,042, Dec. 21.
Electrodes, Welding. W. Andrews. 2,456,609, Dec. 21.
Electron diffraction spectra, Method and apparatus for producing. G. L. Simard and C. R. Stryker. 2,457,092, Dec. 21.
Electronic saw-tooth pulse generator. G. C. Szikiai. 2,456,754, Dec. 21.
Elevator for trucks, Side gate. W. W. Wohlforth. 2,456,805, Dec. 21.
Encasing assembly. E. J. Zelt. 2,457,023, Dec. 21.
Engine head lifting tool. A. R. Cheek. 2,456,917, Dec. 21.
Evaporator and boiler, Combined. J. E. Pottharst, Jr. 2,456,732, Dec. 21.
Exchanger, Heat. A. J. and I. F. Fausek. 2,456,775, Dec. 21.
Extension table. A. M. Ellington. 2,456,821, Dec. 21.
Extension table. I. Segal. 2,456,999, Dec. 21.
Extruding polytetrafluoroethylene and coating articles therewith. A. J. Cheney, Jr. 2,456,621, Dec. 21.
Fabric. E. J. Cogovan. 2,456,922, Dec. 21.
Fabrics, Making. E. J. Cogovan and L. R. Jones. 2,456,923, Dec. 21.
Fan housing construction. W. H. De Lancey. 2,456,930, Dec. 21.
Fastener: *See*—
Heating unit fastener.
Fatty materials, Treating. W. R. Eipper. 2,456,691, Dec. 21.
Feeding mechanism for manifolding machines, Paper and ribbon. R. W. Ritzert. 2,456,734, Dec. 21.
Fence post driver, Power-operated. C. N. Anderson 2,456,852, Dec. 21.
Fiber renovating machine. E. J. Wines. 2,456,905, Dec. 21.
Filaments, Coating. A. O. Ryan. 2,456,650, Dec. 21.
Filler, Grease gun. C. Strong. 2,456,751, Dec. 21.
Film driving apparatus. J. A. Haringx. 2,456,702, Dec. 21.
Filter and regulator, Power supply. D. E. Kenyon. 2,456,638, Dec. 21.
Filter and strainer, Collapsible and adjustable. E. N. Burrows. 2,456,912, Dec. 21.
Fire hazard and safety device for airplanes. N. Lacrotte. 2,457,103, Dec. 21.
Fishing pole. T. J. Williams. 2,457,075, Dec. 21.
Fitting. W. C. Buttner and S. L. Sundstrom. 2,456,913, Dec. 21.
Fixture, Display. C. Scheuer. 2,456,737, Dec. 21.
Fixture, Electric. M. Sachs. 2,456,997, Dec. 21.
Fixture, Lighting. K. Versen. 2,456,903, Dec. 21.
Fixture, Wall bracket electric light. A. J. D. Ohm. 2,456,792, Dec. 21.
Flashlight. H. E. Croft. 2,456,680, Dec. 21.
Flatiron holder bracket. R. E. Perkins. 2,456,987, Dec. 21.
Floor. P. and U. R. Mitchell. 2,457,086, Dec. 21.
Fluid-driven pump. F. A. Lane. 2,456,832, Dec. 21.
Fluid pressure motor. F. C. Eastman. 2,456,689, Dec. 21.

Fluid-pressure-operated mechanism. F. C. Eastman. 2,456,690, Dec. 21.
Fluid pressure switch. W. M. Robison. 2,456,994, Dec. 21.
Fluids, Heating. H. R. Swanson. 2,457,096, Dec. 21.
Flux, Soldering and tinning. T. B. Crone. 2,456,624, Dec. 21.
Foldable kitchen table. M. E. H. Chapman. 2,456,862, Dec. 21.
Folding infant-carrying vehicle. J. B. Dostal. 2,456,932, Dec. 21.
Frame: *See*—
Easel picture frame.
Frequency converter circuit. G. C. Szikiai. 2,457,008, Dec. 21.
Frequency shift keying plus phase modulation. D. W. Pugsley. 2,456,992, Dec. 21.
Frequency stabilization. M. Ziegler. 2,456,763, Dec. 21.
Friction element. R. E. Spokes. 2,457,003, Dec. 21.
Frying apparatus, French. K. E. Bemis. 2,456,810, Dec. 21.
Fuel components, Production of motor. S. H. McAllister. 2,456,975, Dec. 21.
Fungus-proofing composition. P. G. Benignus. 2,457,025, Dec. 21.
Furfuryl alcohol with an hydroxybenzene, Condensation of polymerized. A. P. Dunlop and E. A. Reineck. 2,456,628, Dec. 21.
Furniture unit, Convertible. A. M. Richardson. 2,456,794, Dec. 21.
Game, Sliding block. G. Mikula, Jr. 2,456,884, Dec. 21.
Garment, Waistline control. L. Shulman. 2,457,071, Dec. 21.
Gas flame regulator. F. B. Cole. 2,456,864, Dec. 21.
Gauge: *See*—
Vaginal gauge.
Gear: *See*—
Marine reversing gear.
Vehicle tandem axle running gear.
Gelation process involving supersonic treatment. C. H Schliesman. 2,457,091, Dec. 21.
Generator: *See*—
Electronic saw-tooth pulse generator. Saw-tooth wave generator.
Generator and cathode construction for electricity of ultra high frequency. J. M. Carter. 2,456,861, Dec. 21.
Glove, Golf. J. D. Cole. 2,456,678, Dec. 21.
Golf club head. E. P. Kearsley and E. J. Marciniak. 2,457,084, Dec. 21.
Golf putting device. O. A. Cavins. 2,456,813, Dec. 21.
Governor, Speed. F. W. Merrill. 2,456,979, Dec. 21.
Governor, Speed. I. J. Snader. 2,456,746, Dec. 21.
Governor, Speed. I. J. Snader and A. G. Forsyth. 2,456,747, Dec. 21.
Governor, Speed. I. J. Snader. 2,456,748, Dec. 21.
Graduating and measuring device for shoe lasts. H. G. Clausing. 2,456,815, Dec. 21.
Grease composition. R. L. Merker. 2,456,642, Dec. 21.
Grinder, Car wheel. E. E. Swanee. 2,456,753, Dec. 21.
Grinder, Sickle blade. L. O. Greeley. 2,456,827, Dec. 21.
Guard, Broiler pan. C. A. Pierson. 2,456,988, Dec. 21.
Guide for templates, Auxiliary roller. E. F. Krohn. 2,456,789, Dec. 21.
Gun and cartridge, Well casing perforating. I. J. McCullough. 2,456,977, Dec. 21.
Gun, Recoilless. L. V. S. Blacker. 2,456,812, Dec. 21.
Gun trap. H. B. Koch and J. U. Lehn. 2,456,957, Dec. 21.
Hair curler. A. A. Norin and F. D. Reynolds. 2,456,645, Dec. 21.
Hair drier. R. L. Bauer. 2,456,669, Dec. 21.
Hammering device. W. C. Wymer. 2,456,662, Dec. 21.
Handle assembly casting rod. M. M. Culver. 2,456,681, Dec. 21.
Harvesting machine for onions. J. Chizek and F. J. Gast. 2,456,863, Dec. 21.
Hat rest or the like, Separable. J. E. Ledure. 2,456,964, Dec. 21.
Heater: *See*—
Blower type radiant heater. Electric water heater. Immersion heater.
Heater and drier, Portable. J. H. Leather. 2,456,881, Dec. 21.
Heating apparatus, High-frequency dielectric. R. M. Baker. 2,456,611, Dec. 21.
Heating apparatus with work conveyor, Induction. R. Lee. 2,456,962, Dec. 21.
Heating unit, Electrical. H. M. Parmley. 2,457,065, Dec. 21.
Heating unit fastener. M. A. Feinstein. 2,456,823, Dec. 21.
Heel, Rubber. T. van der Veen. 2,457,015, Dec. 21.
Helmet, Hair drier. B. Kritzer. 2,456,788, Dec. 21.
High-frequency energy leakage suppressor. H. A. Wheeler. 2,456,803, Dec. 21.
High-pressure modulator tube. E. G. F. Arnott, C. M. Slack, and C. E. Dawley. 2,456,854, Dec. 21.
Highway signal. J. E. Waters. 2,456,849, Dec. 21.
Hinge, Bracelet. E. H. Lundsten. 2,456,969, Dec. 21.
Hitch for implements, Lifting. F. M. Fraga. 2,456,693, Dec. 21.
Hoist control system, Electric. G. E. King. 2,456,950, Dec. 21.
Holder: *See*—
Clothesline holder. Hydraulic cylinder and packing holder.
Collapsible tube holder.
Dispensing roll holder.
Holder and carrier, Bottle. W. A. Bertram. 2,457,027, Dec. 21.
Household trash can. J. C. Rogers and R. Sims. 2,456,840, Dec. 21.
Housing for electrical apparatus, Insulating. B. E. Spiro. 2,457,002, Dec. 21.
Housing, Oil burner blower. E. Camerino. 2,456,673, Dec. 21.
Hydraulic cylinder and packing holder. W. H. Cooper. 2,456,623, Dec. 21.
Hydraulic pump. R. F. Horton. 2,457,101, Dec. 21.
Hydrocarbon coking. A. H. Schutte. 2,456,796, Dec. 21.
Hydrocarbon fluids, Heating of. L. Kniel, P. Lambert, and H. R. Treat. 2,456,786, Dec. 21.
Hydrocarbon fluids, Process and apparatus for heating. L. Kniel. 2,456,787, Dec. 21.
Ignition system, High-frequency. B. H. Short. 2,456,743, Dec. 21.
Igniter. W. W. Rigrod. 2,456,891, Dec. 21.
Immersion heater. Z. J. Bors. 2,457,028, Dec. 21.
Impedance matching arrangement. M. K. Taylor and J. Greenhalgh. 2,456,800, Dec. 21.
Implement, Compound culinary. H. J. Fadeley, Jr. 2,457,037, Dec. 21.
Indicator: *See*—
Control device indicator. Liquid level indicator.
Indicator in radio receivers, Tuning. J. C. Stannow. 2,457,004, Dec. 21.
Instrument, Electrical measuring. H. A. Alter. 2,456,667, Dec. 21.
Instrument, Pressure measuring. A. Laternser. 2,456,713, Dec. 21.
Insulation cutting tool. G. W. Mackey. 2,456,882, Dec. 21.
Intermittently vibrating electric motor. P. H. Thompson. 2,456,846, Dec. 21.
Iron for tiltable seats and backs, Chair. H. W. Sheldrick. 2,456,797, Dec. 21.
Isomers of amino acids, Separation of. A. C. Shabica. 2,456,742, Dec. 21.
Jack: *See*—
Timberman's jack.
Joint: *See*—
Turbine cylinder joint.
Jordan apparatus. W. Messinger and D. E. Jones. 2,456,883, Dec. 21.
Kit for standard flashlights, Warning signal conversion. C. J. Delmotte. 2,456,685, Dec. 21.
Knife, fork, and spoon, Combination. W. F. Bolling. 2,456,858, Dec. 21.
Knitting device, Hand. A. Parisi. 2,457,064, Dec. 21.
Lamp: *See*—
Signal lamp.
Lamp holder for fluorescent lamps. C. H. Hodgkins. 2,456,940, Dec. 21.
Land mine, Explosive. H. F. Vagts. 2,456,657, Dec. 21.
Lard, Rendering. F. E. Deatherage. 2,456,684, Dec. 21.
Latch operated clutch. F. E. Curtis. 2,456,928, Dec. 21.
Lathe and motor base for watchmakers' lathes. E. M. La Mont and B. M. Fry. 2,456,959, Dec. 21.
Lens for projection systems, Adjustable condenser. N. T. Knutson and P. C. Foote. 2,456,711, Dec. 21.
Lens system with chromatic aberration and without noticeable magnification. K. Y. Öhman. 2,456,728, Dec. 21.
Lighter, Cigar or cigarette. A. Geiger. 2,456,694, Dec. 21.
Lighter, Cigarette. F. D. Lewis, Jr. 2,457,053, Dec. 21.
Line tap clamp. S. P. Becker. 2,456,808, Dec. 21.
Lipstick case. H. K. Kaye. 2,456,948, Dec. 21.
Liquid dispenser. F. H. Kretschmer and C. G. Filter. 2,456,958, Dec. 21.
Liquid level indicator. L. W. Burch. 2,456,617, Dec. 21.
Loader machine. J. B. Kucera. 2,456,879, Dec. 21.
Lock: *See*—
Safety window lock. Window lock.
Lubricating oil composition. A. Farkas and A. F. Stribley, Jr. 2,456,692, Dec. 21.
Luminescent materials for electric discharge devices. H. W. Leverenz. 2,457,054, Dec. 21.
Lunch box. A. R. Histand. 2,457,043, Dec. 21.
Magnesium alloys, Anodizing. H. K. De Long. 2,456,931, Dec. 21.
Magnetic transducing and erasing heads, Combination of. M. Camras. 2,456,767, Dec. 21.
Magnetron. E. C. Okress. 2,456,888, Dec. 21.
Marine reversing gear. O. H. Banker. 2,456,614, Dec. 21.
Mask, Breath diverter face. F. L. Hower. 2,457,044, Dec. 21.
Matching device, Impedance. J. B. Dearing. 2,456,770, Dec. 21.
Material and its preparation, Lightweight. H. Napier. 2,456,643, Dec. 21.
Material with wrinkle-textured coating, Flexible. N. T. Beynon. 2,456,671, Dec. 21.
Meat scrapple and making the same, Dehydrated. A. F. Morgan and B. M. Watts. 2,457,063, Dec. 21.
Mechanism for actuating calculating machines, Electromechanical. M. G. de Simone. 2,456,771, Dec. 21.

Mechanism for adding machines, Printing. H. L. Lambert. 2,457,050, Dec. 21.
Mechanism for firearms, Buffer. C. E. Simpson. 2,456,652, Dec. 21.
Mechanism for swinging members, Oscillating. J. C. Gibson. 2,456,777, Dec. 21.
Metal members, Making reinforced porous. C. C. S. Le Clair. 2,457,051, Dec. 21.
Metal salt compositions, Oil-soluble drier. A. Fischer. 2,456,824, Dec. 21.
Metal working or like tool. W. R. Dapprich. 2,456,682, Dec. 21.
Metallurgical liquids, Controlling the flow of. J. F. Jordan. 2,457,083, Dec. 21.
Metals, Distillation of volatilizable. H. Church. 2,456,918, Dec. 21.
Micrometer attachment. C. L. Kemp. 2,456,709, Dec. 21.
Midsole and outsole construction, Laminated. W. Weidner. 2,456,659, Dec. 21.
Milk turning machine. J. W. Gibler. 2,456,630, Dec. 21.
Mill: *See*—
  Boring mill.
Milling machine attachment. J. G. Patton. 2,456,730, Dec. 21.
Modulation system, Phase. S. W. Lewinter. 2,456,716, Dec. 21.
Molding machine, Jolt. L. C. Young. 2,456,663, Dec. 21.
Molding of plastic material, Injection. J. E. Gilchrist. 2,456,778, Dec. 21.
Motor: *See*—
  Electric motor. Intermittently vibrating electric motor.
  Fluid pressure motor.
Motor control. R. W. Moore. 2,456,982, Dec. 21.
Motor control system. W. M. Hutchison. 2,456,875, Dec. 21.
Motor control system. L. G. Riley. 2,456,892, Dec. 21.
Motor synchronizing schemes. S. L. Lindbeck. 2,456,966, Dec. 21.
Motor with rotating radial cylinder block and reciprocated pistons reacting against outside annular grooved cam, Hydraulic. R. F. Horton. 2,457,100, Dec. 21.
Mounting for rock drills. F. M. Slater. 2,456,745, Dec. 21.
Necktie accessory. J. M. Walsh. 2,456,848, Dec. 21.
Needle, Compound knitting. D. Marinsky. 2,456,718, Dec. 21.
Nitrogen base mixtures, Resolution of. K. H. Engel. 2,456,773, Dec. 21.
Oarlock support. C. H. Kearny. 2,456,637, Dec. 21.
Oscillator system. P. J. Walsh. 2,456,802, Dec. 21.
Package assembly. J. A. Baker. 2,456,610, Dec. 21.
Percussion tool. R. Goldschmidt. 2,456,631, Dec. 21.
Phonograph apparatus. J. H. Pressley. 2,457,106, Dec. 21.
Photocells containing antimony, Outgassing. R. L. Longini. 2,456,968, Dec. 21.
Photographic process. G. W. W. Stevens. 2,457,005, Dec. 21.
Photographic processes and light-sensitive elements therefor. E. B. Knott and G. W. W. Stevens. 2,456,955–6, Dec. 21.
Photographic reversal processes. E. B. Knott and G. W. W. Stevens. 2,456,953–4, Dec. 21.
Pin: *See*—
  Adjustable bier pin. Safety pin.
Picker, Poultry. F. C. Valenta. 2,456,757, Dec. 21.
Pipe T. L. F. Harza. 2,457,041, Dec. 21.
Plating, Palladium. E. M. Wise and R. F. Vines.
Plug: *See*—
  Single hook weedless fishing plug.
2,457,021, Dec. 21.
Polyfluorinated propionitriles. D. W. Chaney. 2,456,768, Dec. 21.
Polymeric composition and making same. T. A. Te Grotenhuis. 2,457,097, Dec. 21.
Polysiloxane resins, Making. C. D. Doyle. 2,456,627, Dec. 21.
Polyvinyl chloride compositions, Heat stabilized. J. R. Darby. 2,457,035, Dec. 21.
Power-operated wrench. A. E. Church. 2,456,814, Dec. 21.
Power transmission for helicopter rotors. J. A. Holbrook. 2,456,942, Dec. 21.
Preheating apparatus. H. F. Yula. 2,457,022, Dec. 21.
Pressure switch. N. J. Smith. 2,456,844, Dec. 21.
Printing device. C. J. Hueber. 2,456,943, Dec. 21.
Propenyl ethacol. O. J. Weinkauff. 2,457,074, Dec. 21.
Propulsion means for boats. J. Napoli. 2,456,834, Dec. 21.
Pulsator system, Hydraulic. C. E. Fowler. 2,456,869, Dec. 21.
Pump: *See*—
  Fluid-driven pump. Hydraulic pump.
Purification process and apparatus, Waste. E. B. Mallory. 2,457,057, Dec. 21.
Quinoline from a mixture of nitrogen bases, Isolation of. K. H. Engel. 2,456,774, Dec. 21.
Racemic tartaric acid, Resolution of. J. D. Surmatis. 2,456,752, Dec. 21.
Rack: *See*—
  Article rack.
Radial commutator assembly. R. E. Rambo and C. F. Jenkins. 2,456,993, Dec. 21.
Radio, Wall. W. W. Brockway. 2,457,029, Dec. 21.
Rail ball rolling chance device, Inclined. C. N. Netherton. 2,456,725, Dec. 21.
Rake. W. J. and N. G. Keller. 2,456,876, Dec. 21.
Range surface unit, Electric. E. E. Sutherland. 2,457,007, Dec. 21.
Reaction products of pyridine and allergenic extracts of plants of the genus rhus. M. B. Strauss. 2,456,750, Dec. 21.
Reading aid for the blind, Electronic. V. K. Zworykin and L. E. Flory. 2,457,099, Dec. 21.
Reclaiming foundry sand. A. C. Christensen and R. L. McIlvaine. 2,456,769, Dec. 21.
Recovering and refining cardiolipin. M. C. Pangborn. 2,456,836, Dec. 21.
Refectory table. J. J. Nash. 2,456,835, Dec. 21.
Refrigeration apparatus. E. C. Tanner. 2,457,009, Dec. 21.
Regulating system. E. L. Harder. 2,456,938, Dec. 21.
Regulating system, Vibrator. H. J. Brown. 2,456,910, Dec. 21.
Regulator: *See*—
  Gas flame regulator.
Regulator system. H. G. Frostick. 2,456,936, Dec. 21.
Relay. F. C. Iglehart. 2,456,945, Dec. 21.
Relay, Overload. L. J. Berberich. 2,456,907, Dec. 21.
Relaying system, Phase responsive protective. A. J. McConnell. 2,456,976, Dec. 21.
Resins and producing the same, Soluble and infusible synthetic. G. B. Gebrenbeck. 2,456,629, Dec. 21.
Resins and resinous articles, and resinous products resulting therefrom, Improving water-resistant characteristics of. L. Coes, Jr. 2,456,919–21, Dec. 21.
Respirator. W. J. Mullikin. 2,456,724, Dec. 21.
Retaining device for pivotal joints, Safety. G. F. Reed and W. H. Gould. 2,456,793, Dec. 21.
Rheostat with rectilinear slide. F. P. Strother. 2,457,095, Dec. 21.
Rod: *See*—
  Handle assembly casting rod.
Roof truss. S. Macomber. 2,457,056, Dec. 21.
Rotary cutter. C. C. Rutbell. 2,456,842, Dec. 21.
Roundabout, Passenger operated. R. E. Restall. 2,456,648, Dec. 21.
Rule, Slide indicator. W. C. Chowns. 2,456,676, Dec. 21.
Safety pin. M. E. Edwards. 2,456,820, Dec. 21.
Safety window lock. H. E. Bundren and V. A. Vicksell. 2,456,766, Dec. 21.
Sanding block. J. C. Kitterman. 2,457,045, Dec. 21.
Saw-tooth wave generator. R. Lee. 2,456,961, Dec. 21.
Scoop control, Tractor-mounted. E. H. Lacey. 2,457,049, Dec. 21.
Screen: *See*—
  De-watering screen. Vibrating screen.
Seal for high-frequency transmission lines. D. L. Snow and W. W. Hansen. 2,456,653, Dec. 21.
Sealing compounds. J. D. Morgan and R. E. Lowe. 2,457,087, Dec. 21.
Seamer for filled cans with countersunk bottoms. R. E. J. Nordquist. 2,456,644, Dec. 21.
Secondary electron emission tube. W. Soller. 2,456,654, Dec 21.
Sewing machine, Shoe inseam. O. R. Haas. 2,456,634, Dec. 21.
Shock absorber. E. F. Rossman. 2,456,736, Dec. 21.
Shoe, Platform. W. M. Fennessy. 2,457,082, Dec. 21.
Shoe tree. C. Tietig. 2,456,756, Dec. 21.
Signal: *See*—
  Highway signal.
Signal lamp. E. E. Weber. 2,457,019, Dec. 21.
Signaling apparatus, Telephone. B. J. Kucera. 2,457,046, Dec. 21.
Silicon compounds in producing quartz coatings in a vacuum, Use of. J. D. Strong. 2,456,899, Dec. 21.
Siloxane copolymers. J. F. Hyde. 2,456,783, Dec. 21.
Single hook weedless fishing plug. E. A. Herring. 2,456,705, Dec. 21.
Slicing machine, including gangs of rotary disk knives, Bread. H. J. Criner. 2,456,866, Dec. 21.
Slider for sliding fasteners. E. Engel. 2,456,822, Dec. 21.
Spark gap. F. L. Jones. 2,457,102, Dec. 21.
Spark-gap device and electrode therefor. H. J. Sullivan and E. G. F. Arnott. 2,456,900, Dec. 21.
Spark-gap device, Unitary multiple. E. G. F. Arnott and C. E. Dawley. 2,456,855, Dec. 21.
Spring: *See*—
  Truck bolster spring.
Stabilized fat compositions. P. Gyorgy, M. B. Williamson, and E. T. Stiller. 2,456,937, Dec. 21.
Stabilizer for saw filing machines, Saw. S. B. and L. M. Underwood. 2,456,847, Dec. 21.
Stamp. N. H. Wahlström. 2,456,904, Dec. 21.
Stapling machine. C. C. Stuewe. 2,457,006, Dec. 21.
Steel, Production of stainless. D. L. Loveless. 2,457,055, Dec. 21.
Sterilizing and preserving. A. Brasch. 2,456,909, Dec. 21.
Strainer, Sanitary sink. T. A. Garonis. 2,457,038, Dec 21.
Stretcher, Wire. H. Sattler. 2,456,895, Dec. 21.
Stripping spent fluid catalysts. P. C. Keith. 2,456,707, Dec. 21.
Suction apparatus for knitting machines. D. P. Moore. 2,457,104, Dec. 21.

Support: *See*—
  Collar support. Oarlock support.
Supporting arrangement. J. Markowitz. 2,457,058, Dec. 21.
Surfaces for aircraft, Supporting. L. Béchereau. 2,456,906, Dec. 21.
Switch: *See*—
  Fluid pressure switch. Pressure switch.
Switch for tractors, Magneto cutout mercury. M. J. Smies. 2,456,799, Dec. 21.
Switching arrangement for selectors. B. W. Roth. 2,456,893, Dec. 21.
Table: *See*—
  Bed table. Folding kitchen table.
  Extension table. Refectory table.
Table for infants, Combination bath and dressing. I. E. Stine and H. A. La Fayette 2,456,845, Dec. 21.
Tank unit with submerged valve and external pump. H. H. Schmiel. 2,456,651, Dec. 21.
Tape perforator. R. G. Schuler. 2,456,740, Dec. 21.
Target, Motion-picture. P. Bergh. 2,456,857, Dec. 21.
Target practice apparatus. P. G. Hawe. 2,456,828, Dec. 21.
Temperature measuring and control system, Piezoelectric. R. K. Blackburn. 2,456,811, Dec. 21.
Tertiary amines, Making. L. P. Kyrides and F. B. Zienty. 2,457,048, Dec. 21.
Tester, Mutual conductance. O. J. Morelock. 2,456,833, Dec. 21.
Thread drying apparatus. T. S. Mayner and E. P. Hurayt, 2,456,974, Dec. 21.
Thread finishing machine. A. E. Winslow. 2,456,804, Dec. 21.
3,4-Methylenedioxyphenyl-propylene compound. E. A. Prill 2,456,991, Dec. 21.
Timberman's jack. H. G. and J. J. Krupka. 2,456,878, Dec. 21.
Time control, Sensitivity. E. C. Kluender. 2,456,952, Dec. 21.
Tobacco clip. R. M. Clark. 2,456,622, Dec. 21.
Toilet J. F. Molloy. 2,456,885, Dec. 21.
Tool: *See*—
  Abrasive tool. Metal working or like tool.
  Engine head lifting tool. Percussion tool.
  Insulation cutting tool.
Trailer for disking machines. F. M. Dominic. 2,456,868, Dec. 21.
Transformer structure. J. K. Hodnette. 2,456,941, Dec. 21.
Translating device. R. G. Neuhaus. 2,456,726, Dec. 21.
Transmission for motorized vehicles. E. A. Ryker. 2,456,894, Dec. 21.
Transmission, Variable pitch fluid. R. Goldberg. 2,456,696, Dec. 21.
Trap: *See*—
  Gun trap.
Tray, Ice cube. H. Collister. 2,456,924, Dec. 21.
Tray structure. H. C. Dee. 2,456,929, Dec. 21.
Treatment of wool to impart shrinkage resistance thereto. H. F. Clapham, M. Harris, and A. L. Smith. 2,457,033, Dec. 21.
Trigger action for automatic firearms. W. I. Smith. 2,457,001, Dec. 21.
Truck. C. L. Heater. 2,456,635, Dec. 21.
Truck bolster spring. C. P. Leese. 2,456,790, Dec. 21.
Truck, Self-loading. M. Graves and A. Lankovski. 2,457,039, Dec. 21.
Tube: *See*—
  Cathode-ray tube. Secondary electron emission tube.
  High-pressure modulator tube.
Tube and conduit bending hand tool. B. Lampert. 2,456,880, Dec. 21.
Tube clamp. T. A. Woolsey. 2,457,077, Dec. 21.
Tumbler. B. H. Polcyn. 2,456,989, Dec. 21.
Tuning aid, Frequency modulation receiver. B. S. Vilkomerson. 2,457,016, Dec. 21.
Turbine cylinder joint. K. R. Stearns. 2,457,073, Dec. 21.
2-thenyl chloride, Stabilization of. F. B. Zienty. 2,457,079–81, Dec. 21.
2-(2'-thenyl)-4,5-dihydroimidazoles and making the same. L. P. Kyrides. 2,457,047, Dec. 21.
Type for gravure printing. H. C. Alger. 2,456,608, Dec. 21.
Ultra high frequency device. C. M. Slack, I. E. Mouromtseff, and G. M. Dinnick. 2,456,896, Dec. 21.
Universal pipe coupling. J. G. Sjoberg. 2,456,744, Dec. 21.
Unshift mechanism, Manual. W. M. O'Neil. 2,456,729, Dec. 21.
Utensil, Self-stirring cooking. P. E. Monath. 2,456,981, Dec. 21.
Vacuum cleaner. C. W. Lanter. 2,456,639, Dec. 21.
Vaginal gauge. E. B. Wolffe. 2,456,806, Dec. 21.
Valve. R. W. Hays. 2,456,829, Dec. 21.
Valve. R. H. Leitzel. 2,456,965, Dec. 21.
Valves for containers, Making vent. R. M. Berglund. 2,456,615, Dec. 21.
Vaporizer. A. R. Olson. 2,456,889, Dec. 21.
Vaporizer. T. A. St. Clair. 2,456,890, Dec. 21.
Variable-speed device. E. H. Schmidt. 2,456,738, Dec. 21.
Vault, Wheeled concrete burial. W. W. Haase. 2,456,939, Dec. 21.
Vehicle: *See*—
  Folding infant-carrying vehicle.
Vehicle tandem axle running gear. W. E. Martin. 2,456,719, Dec. 21.
Venetian blind. F. D. Irwin. 2,456,946, Dec. 21.
Vibrating screen. A. W. Lippmann. 2,456,791, Dec. 21.
Vise, Quickly adjustable clamping. A. A. Archambault. 2,456,613, Dec. 21.
Vitamin K compounds, Obtaining. E. A. Doisy, S. A. Thayer, D. W. MacCorquodale, R. W. McKee, and S. B. Binkley. 2,456,686, Dec. 21.
Volatilizable metals, Refining of. H. F. Fisher. 2,456,935, Dec. 21.
Voltage multiplier, Direct-current. A. M. Curtis. 2,456,927, Dec. 21.
Wallet, Combination. H. M. Herbener. 2,456,830, Dec. 21.
Washcloth and pad holder for the bath. P. C. Hartman. 2,456,782, Dec. 21.
Wax production. O. J. Swenson. 2,456,655–6, Dec. 21.
Wax production, Cane. E. A. Wilder. 2,456,661, Dec. 21.
Wax refining, Sugar cane. E. S. McLoud. 2,456,641, Dec. 21.
Wheel drive, Flexible. H. L. Cottingham. 2,456,865, Dec. 21.
Winding machine, Ball. H. N. Huse. 2,456,944, Dec. 21.
Winding machine, Helical coil butt ground. C. J. Terrell. 2,456,755, Dec. 21.
Window lock. F. C. Gorham. 2,456,780, Dec. 21.
Wire, Packaging. J. H. Smith. 2,457,094, Dec. 21.
Wrench: *See*—
  Power-operated wrench.
Wrench with radially-slotted head and socket, Pivoted pawl ratchet. A. and R. Peterson. 2,456,838, Dec. 21.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 21, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Bureau of Customs
National Military Establishment
Federal Security Agency
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U. S. GOVERNMENT PRINTING OFFICE: 1948

DECISIONS IN PATENT AND TRADE-MARK CASES

United States Court of Appeals
District of Columbia Circuit

BARRON-GRAY PACKING COMPANY
v.
LAWRENCE C. KINGSLAND, COMMISSIONER OF PATENTS

[— F.2d —; 79 USPQ 100]

No. 9634. Decided October 12, 1948

1. TRADE-MARKS—OPPOSITION—SUIT UNDER 4915 R. S. AGAINST COMMISSIONER ALONE — STATUS OF OPPOSER.

Where applicant brought an action under sec. 4915 R. S. against the Commissioner of Patents alone after the Commissioner had denied registration of applicant's mark on the ground of confusing similarity to the opposer's registered trade-mark, and where the district court dismissed the action on the ground that the successful opposer in the Patent Office was an indispensable party and therefore an action brought against the Commissioner alone was fatally defective, *Held* that the opposer is a proper but not an indispensable party.

2. SAME—SAME—SAME—SAME.

Where the district court dismissed an action under 4915 R. S. against the Commissioner alone on the erroneous ground that the opposer was an indispensable party, *Held* that the rights of the opposer may be fully protected by his intervention if he desires to do so, but the rights of an applicant for registration should not be defeated by reason of the failure or refusal of the opposer to appear.

APPEAL from the District Court of the United States for the District of Columbia (now United States District Court for the District of Columbia).

REVERSED AND REMANDED. Oppositions Nos. 20,680 and 20,681.

Mr. Curtis F. Prangley, with whom *Messrs. James Ballard Moore* and *Charles L. Sturtevant, Jr.*, were on the brief, for appellant.

Mr. Edwin L. Reynolds, United States Patent Office, with whom *Messrs. W. W. Cochran*, Solicitor, United States Patent Office, and *Walter J. Derenberg*, United States Patent Office, were on the brief, for appellee.

Before EDGERTON, CLARK and PRETTYMAN, *Associate Justices*

CLARK, *J.*:

This is a proceeding under R. S. section 4915.[1]

[1] It is agreed by both parties in the case that the sole question presented by this appeal is whether the successful opposer in a Patent Office trade-mark opposition proceeding is an indispensable party to a subsequent § 4915 action brought in the district court against the Commissioner of Patents alone after the Commissioner has denied registration of the applicant's mark on the ground of confusing similarity to the opposer's registered trade-mark.

The trial court dismissed the proceeding on the ground that the successful opposer in the Patent Office was an indispensable party and that therefore a suit against the Commissioner alone was fatally defective.

The facts in the case are simple and undisputed. Appellant adopted and began to use as sole and exclusive owner thereof two trade-marks for canned fruit juices consisting of pictures of animated apricots and prunes. The Commissioner at first held these trade-marks to be registerable and they were published in the OFFICIAL GAZETTE of the United States Patent Office on December 24, 1940.

Thereafter, opposition to this registration was filed in the Patent Office by Bruce's Juices, Inc., a Florida corporation, claiming that appellant's trade-marks are similar to its own registered marks. Appellant filed answers to such oppositions and, thereafter, the Assistant Commissioner of Patents rendered a decision holding that some likelihood of confusion might exist in the concurrent use of appellant's trade-marks and the opposer's marks.

Appellant filed a bill in equity under § 4915 in the district court alleging that its trade-marks are not confusingly similar to those of Bruce's Juices and that appellant's marks are not calculated to deceive or confuse the public.

The Commissioner filed an answer traversing the allegations of the bill and alleging that the trade-marks of the two competitors were confusingly similar. The Commissioner also filed a motion to dismiss on the ground that the opposer in the Patent Office was an indispensable party. The district court sustained the motion to dismiss and this appeal followed.

The question as to who are "proper" parties and who are "indispensable" parties in a proceeding brought under § 4915 is admittedly a difficult one. But the Congress, in enacting the applicable statute obviously intended that the applicant should have a right of access to the courts if his application was rejected. Since the applicant has no power to compel the appearance of a non-resident opposer in a District of Columbia court unless the opposer chooses to appear and intervene, if it be held that

[1] 16 Stat. 205 (1870), as amended, 35 U. S. C. § 63 (1946).

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the opposer is an indispensable party, as the district court has held in this case, it is obvious that the right of access intended by and provided for by Congress cannot be exercised except by sufferance. On the other hand, the Commissioner of Patents cannot be sued outside the District of Columbia without his consent. It is thus apparent that the net result of ruling that the non-resident opposer is an indispensable party to a 4915 action brought in this jurisdiction against the Commissioner alone would be to completely defeat the intent of Congress to afford the unsuccessful applicant for a trade-mark adequate access to the courts. We cannot condone such a result.

This question has been before this court in various forms several times and in none of these decisions is there anything to afford the slightest comfort to the contentions of appellee. See *Alexandrine* v. *Coe*, 63 App. D. C. 227, 71 F.2d 348 (1934); *Thorne, Neale & Co., Inc.* v. *Coe*, 79 U. S. App. D. C. 122, 143 F.2d 155 (1944); and *Speed Products Co., Inc.*, v. *Tinnerman Products, Inc. and Kingsland*, No. 9700, decided May 18, 1948. In the Speed Products case, the latest pronouncement of this court on the subject, we held expressly that the district court does have jurisdiction to proceed against the Commissioner alone in a suit brought under § 4915.

The case, however, which seems to us squarely in point and based on sound reasoning and sound legal practice is the case of *Tomlinson of High Point* v. *Coe*, 74 App. D. C. 364, 123 F.2d 65 (1941). There, as here, the appellant sought to register as a trade-mark a certain name. There, as here, the mark was first held to be registerable and there, as here, the Examiner of Interferences filed an opinion sustaining the opposition. There, as here, the Commissioner affirmed the decision of the Examiner. There, as here, the applicant brought suit in the district court under § 4915 naming the Commissioner alone as defendant and not joining the opposer. There, as here, the district court dismissed the action and there, as here, the dismissal was appealed to this court. And there, as here, as will presently transpire, the action of the district court was reversed.

While it is true that in the Tomlinson case the contention of the Patent Office was that the Commissioner was not even a *proper* party, the opinion of the court by Justice Justin Miller clearly takes cognizance of the fact that the Commissioner was the sole defendant and that the opposer was not named as party defendant.

Justice Miller, speaking for the court in that case, said:

"The proceeding by bill in equity under section 4915, R. S., is a part of the application for the patent, or for registration of the trade-mark. Accordingly, in the present case, appellant seeks relief which is properly sought under the provisions of section 4915, R. S., i. e., a decree authorizing and directing the Commissioner of Patents to register its trade-mark. Both the public interest and the necessities of the case *require* that the Commissioner be made a party when the issue to be determined is whether such relief shall be granted. *The opposer could not act to carry out a decree granting such relief*; and such relief should not be granted without opportunity for the Commissioner to present countervailing evidence; *hence, the public interest cannot properly be served without the participation of the Commissioner.*" [Italics supplied.] [123 F.2d at 66–7.]

Since, as has been noted, the Commissioner cannot be sued outside the District of Columbia without his consent, to hold that the opposer is an indispensable party is clearly to defeat the purpose of the statute.

The Commissioner, through his counsel, professes that he has no interest one way or the other in the outcome of this appeal except that he desires that the matter be cleared up and settled by this court.

[2] In order, therefore, that there may be no dispute as to the holding of this case, we hold that the opposer is a proper but not an indispensable party in such an action under § 4915 and thus that the dismissal of this action by the District Court was improper, based, as it was, on the erroneous ground that the opposer in this case was an indispensable party. The rights of the opposer may be fully protected by his intervention if he desires to do so but the rights of the appellant should not be defeated by reason of the failure or refusal of the opposer to appear.

The judgment is, therefore, reversed and the case remanded for trial on the merits in accordance with this opinion.

REVERSED AND REMANDED.

JUDGE EDGERTON concurs in the result only.

U. S. Court of Customs and Patent Appeals

KRASNOW ET AL. *v.* BENDER

No. 5402. Decided June 14, 1948. Petition for rehearing denied Sept. 30, 1948

[— F.2d —; 79 USPQ 78]

1. INTERFERENCE—RULE 124.

Where, pursuant to a decision of the Primary Examiner, based upon motions to dissolve, an interference instituted in July 1939 was reformed by striking therefrom two counts, which are the counts of the present interference, declared in January 1941, and where in said latter interference motions under Rules 109 and 122 filed by appellants were denied by the Examiner with the statement that there was no appeal (Rule 124 having been changed in September 1939 to eliminate appeals from all decisions rendered on motions brought under Rules 109 and 122, in all interferences, declared on or after October 5, 1939), *Held* that we do not agree with appellants' contention that the present interference is governed by the old practice and not by present Rule 124, for the present interference, even though the counts thereof originally appeared in another interference, is a separate distinct proceeding and should stand on its own merits.

2. SAME—RIGHT TO MAKE CLAIMS—THEORY OF OPERATION.

Held that whether or not appellee understood the scientific theory of his device is immaterial if in his application he sets forth enough of the operation of the device sco as to inform the public what to do with it.

3. SAME—SAME—OPERABILITY.

Held that it is fundamental that even though a device may be disclosed as incomplete or inoperative, it may be corrected if such correction be made by one skilled in the art in such manner as not to involve invention.

4. SAME—APPARATUS FOR MEASURING RADIO-ACTIVITY.

Held that, in view of the entire record, appellants have not established that appellee's disclosure is so defective that it would fail to teach one skilled in the art how to make an operable device, and *Held* that the decision of the Board of Interference Examiners awarding priority of invention to appellee is affirmed.

APPEAL from the Patent Office. Interference No. 78,980.

AFFIRMED.

Shelley Krasnow, pro se.

Richard K. Stevens (*Robert F. Davis* of counsel) for Bender.

JACKSON, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Interference Examiners of the United States Patent Office awarding to appellee priority of invention of the subject matter embraced in two counts. The counts read as follows:

1. An apparatus for measuring the associated radioactivity of substances lining a deep narrow borehole comprising an electrical system adapted to give a series of electrical impulses, means to alter the frequency of the impulses in proportion to the intensity of the radioactivity proximate to the said means, a relay member actuated by the said system and the said means jointly, the electrical system, means, and relay member being held by a single relatively short holder so as to minimize leakage and capacity disturbances in the portion of the circuit connecting the said means and the said relay member, the holder further having narrow lateral dimensions so as to permit its insertion in deep narrow boreholes.

2. An apparatus for measuring radioactivity at inaccessible locations comprising a system employing feeble electric currents, means to alter the frequency of the said feeble currents in proportion to radioactive intensity, a relay means operated by the said feeble currents, a circuit employing relatively intense currents, a conducting member, and indicating means, the feeble currents cooperating with the relay means to cause pulses of relatively intense current, the conducting member serving to convey the pulses of intense current to the indicating means, the conducting member serving further to allow placing the system employing feeble electric currents and the relay means both remote from the indicating means, the relay means and system employing feeble electric currents being placed contiguous to each other so as to minimize disturbing effects.

The interference involves an application of appellants, Serial No. 137,380, filed April 16, 1937, assigned to Geophysical Development Corporation, and an application of appellee, Serial No. 359,816, filed October 4, 1940, for reissue of his patent, No. 2,133,776, dated October 18, 1939, on an application filed February 18, 1936. Wells Lane Company is the assignee of appellee.

[1] On July 13, 1939, an interference, No. 77,260, involving eight counts was declared between an application of Jacob Neufeld, Serial No. 161,350, filed August 27, 1937, and the involved application of appellants. Later that interference was redeclared to include the application of Lynn G. Howell, Serial No. 224,504, filed August 12, 1938. Pursuant to a decision of the Primary Examiner of August 16, 1940, based upon motions to dissolve, the interference was reformed by striking therefrom counts 4 and 5, which are the counts of the present interference, and, in accordance with the provisions of Rule 129, the involved reissue application of appellee was added and the interference again redeclared with the parties in the following order: *Howell* v. *Neufeld* v. *Krasnow et al.* v. *Bender*. That interference is still in the Patent Office for decision.

The instant interference, No. 78,980, was declared on January 16, 1941. It involved the parties Bender, Neufeld, and appellants in that order. The proceeding was terminated as to the party Neufeld, he having made no showing why judgment on the record should not be entered against him, as appears in a decision of the Board of Interference Examiners dated January 12, 1944.

During the motion period appellants moved to dissolve the interference as to Bender on the ground that his disclosure is inadequate to support the counts and that he does not disclose any method or apparatus which will operate. Appellants also filed a contingent motion to amend the interference by the addition of one proposed count.

The Primary Examiner denied both motions and stated that there was "No interlocutory appeal." With respect to the latter motion, he held the proposed count to be unpatentable over prior art which had been cited in the ex parte prosecution of appellants' application. Thereupon appellants appealed to the Board of Appeals stating that "The Examiner erred in denying the Krasnow et al. contingent motion to amend for a two party interference with Bender on proposed count K3." Appellants contended that they were entitled to appeal because the present interference was split off from interference No. 77,260 and that that interference had been declared under the old practice in which an appeal was permitted from the denial of a motion to amend and because they were parties to that interference they had the right of appeal in the present interference.

Appellants also filed in each of the beforementioned interferences a motion to take testimony and to suspend the proceeding. They further moved in each of the interferences to file interrogatories to be answered by an officer of appellee's assignee and by an officer of Wells Survey, Inc. The motions were denied. Appellants and their assignee thereupon brought a civil action, No. 12,170, in the District Court of the United States for the District of Columbia praying that the Commissioner be ordered to amend his decision denying plaintiff's motion to dissolve the interference between the applications which are here involved. The ground for plaintiff's contention in that action was that there had been no inadvertence, mistake, or excuse for delay in filing the reissue application. The district court granted defendants' motion to dismiss. *Geophysical Development Corporation et al.* v. *Coe, Com'r. Pats.*, 52 USPQ 610.

The opinion of Mr. Justice Bailey in that case is short and pertinent here, as it answers many of the allegations vigorously urged by appellants with respect to lack of good faith on the part of appellee. We are in complete accord with Justice Bailey's reasoning and quote the opinion as follows:

Interferences are declared solely for the purpose of determining priority of invention. If the plaintiff can show priority of invention he will be entitled to a patent: if he be the first inventor and otherwise complies with the law.

This right will not be defeated by any action of the Patent Office in allowing a reissue of the opponent's patent.

The procedure in the Patent Office in passing upon the question of reissue is one within the discretion of the Commissioner, and it does not appear that the practice adopted in this interference of not permitting proof to be taken on the question of good faith of the applicant for reissue other than his affidavit is contrary to the usual practice.

Even if the court had power to interfere in the action of the Commissioner in this case (which is only an intermediate step in the proceedings) I cannot see that the plaintiff can be irreparably injured. As said before, if the

plaintiff can show priority of invention he will be entitled to a patent.

Upon appeal, the judgment of the district court was affirmed by the United States Court of Appeals for the District of Columbia. 136 F.2d 275, 58 USPQ 50, 556 O. G. 711. Certiorari was denied by the Supreme Court.

It appears that in the brief filed on behalf of the Commissioner of Patents in the Supreme Court in the certiorari proceeding, there was a statement in a footnote that interferences 77,260 and 78,980 are governed by the statute as it appeared prior to the amendment of August 5, 1939. Because of that footnote, appellants contend here that the Patent Office is bound thereby, and it was cited here in support of appellants' contention that they have a right to appeal from the decision of the Examiner denying their motion to amend as aforesaid.

The Board of Appeals held that it had no jurisdiction to entertain the appeal and stated as follows:

> The instant interference, No. 78,980, was declared on January 16, 1941. In Order No. 3487, 507 O. G. 513–514, Rule 124 was changed to deny the right of appeal from all decisions rendered on motions brought under provisions of Rules 109 and 122, in all interferences declared on or after October 5, 1939.

Upon a request for reconsideration of its decision the Board of Appeals stated as follows:

> On reconsideration no reason is found for changing the conclusions stated. Under the provision of Rule 124 this interference is regarded as standing on its own merits and as having been declared January 16, 1941, per stamp of Examiner of Interferences found on the declaration sheet.
>
> Whatever may be considered to be the meaning of the statement made in the footnote to page 5 of the brief for respondent in the certiorari case, referred to by counsel for Krasnow et al., it does not appear that the statement was particularly relevant to the question before the Supreme Court, or at all relevant to the interpretation to be given Rule 124, since the statement referred only to the statute. The statute there in question is not concerned with interlocutory appeals.

Appellants then petitioned the Commissioner, in his supervisory capacity, to rule that the Board of Appeals had jurisdiction to entertain the appeal. The petition was denied. The Assistant Commissioner pointed out that new Rule 124 was in operation prior to the declaration of the involved interference and since the date when that rule became effective the Board of Appeals had consistently held it to be applicable to interferences according to the date and number thereof regardless of the past history of the counts. In that connection, the Assistant Commissioner stated:

> New Rule 124 has been in force for quite a long time, during all of which time the practice stated has been followed consistently, and no good reason appears why the practice should be changed at this late date for this particular case which, due to the length of time present Rule 124 has been in force is believed to be the last interference in which a similar situation can materialize.

Appellants still contend here that the present interference is governed by the old practice and not in accordance with present Rule 124. We do not agree with such contention. That interference, even though the counts thereof originally appeared in interference No. 77,260, is a separate, distinct proceeding. The counts herein were excised from interference No. 77,260 with the same force and effect as though they had never been there. The present interference, No. 78,980, was set up between the parties named therein and on its own facts after the said effective date of new Rule 124 and should certainly, as was held below, stand on its own merits. To agree with appellants' contention would, in our opinion, result in an unwarranted disturbance of orderly procedure.

As may be observed, appellants have sought to prevail by employing almost every available technical means at their disposal. That was undoubtedly their right. We do not deem it necessary to discuss their many contentions attacking the good faith and technical ability of appellee which are generously sprinkled throughout their brief. They also continued such an attack by filing a motion in this court on April 26, 1948, to correct diminution of the record by adding thereto two affidavits, one by appellant Krasnow, and the other by one Edward Lipson, dated December 29, 1947. The motion was urged as an alternative to one remanding the case to the Patent Office for such further consideration as the affidavits might require. Both affidavits impugn the good faith of appellee. This appeal was argued and submitted to this court on May 3, 1948. It may be noted that the date of the Lipson affidavit is almost five months prior to the date of argument so that it may well be inferred that appellants, to say the least, took their time in that attack. It seems to us that appellants paid little attention to the opinion of Mr. Justice Bailey, quoted herein. The issue here is priority of invention so we deny the motion in all respects.

We are certain that the United States Patent Office, acting through its proper officials, never knowingly or carelessly permits a patent to issue until it is convinced that measured by all proper standards, an applicant is entitled to his patent. The Patent Office is not bound to issue a patent to an applicant who prevails in an interference proceeding nor to a successful applicant in a court proceeding. *The Jeffrey Manufacturing Co.* v. *Kingsland, Comr. Pats.*, 77 USPQ 500. There may be good legal reasons why a prevailing application in a proceeding such as this, in the light of knowledge acquired by the Patent Office when such application is returned for an ex parte proceeding, should not be allowed to ripen into a patent, and when any such reason exists under those circumstances, it will, in our opinion, be recognized by that Office.

This appeal will be decided by us on the only issues that were before the Board of Interference Examiners: namely, the sufficiency of the disclosure of appellee to support the counts and the operativeness of that disclosure. We do not deem it improper to state at this point that we have not been helped in any great degree by the briefs filed by the parties. We have here a record containing almost eight hundred pages, comprising in great part the sundry and various motions and decisions, not always appearing in logical or chronological sequence. The briefs of the parties are voluminous but do not contain enough record citations. Therefore we have been compelled to perform a great deal of unnecessary labor.

While both parties took testimony, none of it was directed to priority of invention. Appellants being junior to appellee have the burden of proving priority of invention by a preponderance of the evidence.

The involved invention is succinctly described by the Primary Examiner as follows:

> The invention defined in the counts relates to a method of or apparatus for measuring the radioactivity of the geological formations traversed by a drill hole. Changes in radioactivity indicate changes in conditions or in geological formation and from the data obtained it is probable that useful information can be derived concerning the nature of the strata traversed by the drill hole. It is entirely possible, for example, that oil bearing strata may be located by this method, since such strata are likely to have radioactive characteristics differing from those of the adjoining strata. Each of the counts recites or implies means for measuring the radioactivity of formations traversed by a bore hole *in situ*, as distinguished from the taking of core samples to the surface and there measuring the radioactivity. Measurement of radioactive intensity in a drill hole at depths measured sometimes in thousands of feet presents a particular problem. The detecting apparatus must be sufficiently small to be lowered into the drill hole, the diameter of which is in the neighborhood of six or eight inches. Indications of radioactivity must be capable of transmission to the surface in some manner and there made observable. In the embodiment of the invention which is common to all of the parties, *the detector of the radiations is a Geiger-Muller counter or the equivalent*, by which the radiations are transformed into feeble electrical impulses, the number of impulses per second being proportional to the radioactive intensity. *An important feature is the provision of an amplifier which is lowered into the drill hole with the detector*, whereby the impulses are amplified before being transmitted to the surface. The recorder or other receiver of the impulses is located at the surface. [Italics quoted.]

While the disclosure in appellee's application is not lengthy and the drawings practically all diagrammatic, with no detailed showing of circuit arrangements or device structure, it discloses a container designed to be lowered into the borehole of an oil well by means of a cable. Within the container is an X-ray tube and associated apparatus to provide a source of primary radiation. There is also within the container a detector of radiations emanating from the pierced earth formations in the borehole. The detector consists of a Geiger-Muller counter, an amplifier, and a battery supply source. A means to record or indicate impulses from the counter is located above the surface of the earth. It is said that the X-ray tube makes radioactive strata more radioactive and that such activity is detected by the counter and its associated apparatus.

Contrary to the insistent contention of appellants, we are of opinion that the disclosure of appellee supports the counts. With respect to count one, the application of appellee discloses a Geiger-Muller counter, an amplifier, a battery, and cable terminals. Those elements are "adapted to give a series of electrical impulses" as required by the count. The limitation "means to alter the frequency of the impulses in proportion to the intensity of the radioactivity proximate to the said means" is met by the Geiger-Muller counter. The "relay member actuated by the said system and the said means jointly," is appellee's amplifier. In the limitation "the electrical system, means, and relay member" the "system" is met by appellee's counter, amplifier, and battery, "means" by the counter, and the "relay member" by appellee's amplifier. Those elements are "held by a single relatively short holder" shown by appellee's container, "so as to minimize leakage and capacity disturbances in the portion of the circuit connecting the said means [appellee's Geiger-Muller counter] and the said relay member [appellee's amplifier], the holder [appellee's container] further having narrow lateral dimensions so as to permit its insertion in deep narrow boreholes."

As to count 2, the Geiger-Muller counter and an input circuit "employing feeble electric currents" is disclosed by appellee; "means to alter the frequency of the said feeble currents in proportion to radioactive intensity," is shown in the Geiger-Muller counter; "a relay means operated by the said feeble currents" is shown by appellee's amplifier; "a circuit employing relatively intense currents" appears in appellee's output current; "a conducting member" is appellee's cable to which the container is attached; "indicating means" is shown in appellee's above the earth recorder hereinbefore mentioned; "the feeble currents" from the counter of appellee "cooperating with the relay means" is met by appellee's amplifier, "to cause pulses of relatively intense current"; "the conducting member" is appellee's cable, "and indicating means" is appellee's recorder or indicator; "the feeble currents cooperating with the relay means" is shown by appellee's amplifier "to cause pulses of relatively intense current"; "the conducting member" appears in appellee's cable "serving to convey the pulses of intense current to the indicating means," which is appellee's recorder; "the conducting member" is appellee's cable, "serving further to allow placing the system employing feeble electric currents" is appellee's Geiger-Muller counter and the indicator; "the relay means" is appellee's amplifier, "both remote from the indicating means" is the distance between appellee's recorder or indicator and the counter and amplifier; "the relay means" is appellee's amplifier, "and system employing feeble electric currents" is appellee's Geiger-Muller counter and amplifier "being placed contiguous to each other so as to minimize disturbing effects."

Appellants vigorously urge that the application of appellee makes no disclosure of a relay as such, and that in order to construct a relay member from his application disclosure, it is necessary to read the amplifier as being a part of the electrical system and also as a relay member. They further insist that there is no showing of an alteration of frequency of impulses proportionate to the intensity of the radiation and that appellee does not disclose that his container is a short holder which is said to minimize leakage and capacity disturbances. There is no requirement in the counts for a mechanical relay. It seems to us, as was held by the Board, that appellants' amplifier may be considered a relay and certainly appellee discloses such amplifier. It further appears to us that the amplifier need not be included in the electrical system adapted to send impulses from the Geiger-Muller counter with its battery supply. It seems clear to us that "The number of impulses from the counter increases with exposure to increased radioactivity." The only element of the system of appellee which is not placed in the housing or container is the recorder. All of the other elements are in the container which is adopted to be lowered into the oil well. In our opinion, the housing or container of appellee is

shown to be "relatively short" and it necessarily follows that a container of such "relative shortness" inherently minimizes leakage and capacity disturbances.

Since the disclosure of appellee reads directly on the counts, it is clear that there was no error in the decision of the Board of Interference Examiners in so holding.

The contentions made by appellants with respect to the operativeness of appellee's disclosure is that the X-ray tube device is incapable of producing any secondary radiations in the strata of the borehole which are detectable. It will be observed that neither of the counts require that the bore strata be treated with primary radiations in order to produce secondary radiations and, therefore, it becomes unnecessary for us to decide whether or not such contention of appellants is well taken.

[2] The application of appellee is not confined to the use of primary radiation. In his application it is stated: "In some instances only the detector may be used and the normal radioactivity of the formation detected if desired."

Unquestionably, according to the record, the Geiger-Muller counter is well known in the art as a detector of any radioactivity that may be in its vicinity. While it is true that Bender in his disclosure referred in certain places to the Geiger-Muller counter as detecting incoming electrons from the strata of the borehole, the term "secondary radiations" was substituted for the word "electron" after his application had been filed.

It is clear from a reading of appellee's application that he did not intend to restrict his system to the detection of electrons but that he intended to include the detection of radioactivity. In his specification it is stated that his device may be used "to detect the location of radioactive formations"; "for locating radioactive materials by detecting the location of the radiant energy discharged by such materials"; "a radiant energy detecting device so that the radiant energy detected can be recorded."

Whether or not appellee understood the scientific theory of his detector is immaterial if in his application he sets forth enough of the operation of the device so as to inform the public what to do with it.

[3] It is fundamental that even though a device may be disclosed as incomplete or inoperative, it may be corrected if such correction be made by one skilled in the art in such manner as not to involve invention. *Creed et al.* v. *Potts*, 25 CCPA (Patents) 1084, 96 F.2d 317, 37 USPQ 512, 496 O. G. 9; and *Wheeler, Hoover, and Kirkes* v. *Kleinschmidt and Colman*, 32 CCPA (Patents) 975, 149 F.2d 161, 65 USPQ 407, 577 O. G. 875.

[4] It was contended by appellants that because there is no connection between the battery and the oscillograph or recorder of appellee, that his disclosure is inoperative. The drawing in appellee's application shows that the battery is grounded at one point and the receiver is grounded at another. It is not stated that the grounding of the battery is made to the casing or container or that the casing is so insulated as to prevent a circuit through the ground wire. In our opinion the Board was correct in its statement that anyone skilled in the art would readily recognize the conventional showing of the grounds from the battery and the recorder as indicating the forming of the same electrical circuit.

Appellants repeatedly argue that appellee should not prevail in this proceeding for the alleged reason that he admitted his disclosure to be inoperative and further that his attorneys repeatedly asserted inoperativeness thereof. We do not think that in view of the record that such contention is sound. It appears that appellee, who was subpoenaed as a witness on behalf of appellants, could not be brought to admit under a vigorous examination that his entire disclosure was inoperative. He did admit he had been unable to get his device to work with an X-ray tube, radium, or uranium, and further that when he used an FP54 tube in the amplifier an additional stage of amplification would have to be employed. He testified plainly and unequivocally that one skilled in the art could take his patent disclosure and cause it to operate so as to pick up natural radiations in well bore formations.

It was stipulated by the parties that if a certain witness were called, he would testify that appellee stated to him that the disclosure of his patent was inoperative. Even if appellee had so stated, there is nothing in the stipulation to indicate that appellee admitted that it was totally inoperative nor does it appear in the stipulation that appellee stated whether or not he told that witness that such defects as might appear in his disclosure could not be cured by the exercise of ordinary skill in the art. With respect to those admissions, we agree with the Board that they are not conclusive of inoperativeness with respect to the subject matter of this interference.

The Bender disclosure was stated to be inoperative by one of his attorneys in another proceeding but such statement was not directed to the subject matter in issue here by merely to the use of the X-ray tube as a source of primary radiation.

Counsel for appellee did not appear as counsel of record during the prosecution of his original application. They did appear in several cases, which were not assigned to the Bender assignee, against which cases the Bender patent was cited as a reference. As is usually done in patent litigation, they attempted to avoid the Bender patent as a reference and in so doing, argued as to the inoperativeness and insufficiency of appellee's disclosure. The best that can be said of such an argument is that it was merely the opinion of counsel as of the time it was made and, of course, such opinion would be subject to change. As any statement made in said argument could not be made on behalf of appellee or his assignee, it is not an admission against interest. Furthermore, there is nothing in the record to show that the Primary Examiner agreed with such arguments as were then made in those cases by the present counsel of appellee.

Inter partes tests were made by appellants for the purpose of demonstrating that the device of appellee's disclosure was inoperative. Some circuit arrangements were set up and tested and alleged to be strictly in conformity with the disclosure of appellee. Some of the tests had modified circuit arrangements said by appellants to be favorable to the operability of the disclosure of appellee. None of the circuits so set up were found to be operative. In all of the tests, however, a relatively low potential was applied to the Geiger-Muller counter but in testing the counter itself to determine if it would operate, a much higher potential was used. It seems that in order to successfully operate a Geiger-Muller tube it is necessary to employ ordinary voltage in excess of 500 volts. That was well known to the art prior to the filing of the original application by appellee. The Board stated that on the basis of the voltage necessary to operate the counter tube, the tests conducted by appellee were not conclusive with respect to inoperativeness of the disclosure of appellee because skill in the art was not used in performing the tests even if it were conceded that appellee disclosed the use of a low potential on the counter tube. We are unable to see any error in such holding of the Board.

In appellee's diagrammatic disclosure he does not set out any particular voltage as applied to a counter tube. The drawing simply shows two wires leading from the counter tube to a position which is described in the specification as an amplifier which may take various forms. It seems clear to us that anyone skilled in the art, in attempting to use a device such as appellee's disclosure, would employ the known and accepted voltage on the counter.

The board in its decision stated that it did not understand from appellee's showing of his indicator or recorder, as being connected to two terminals on the box called battery source, that the said instrument was to be connected directly across the battery terminals as was done in one of the tests made by appellants. In that connection, the Board stated "certainly this is not such a connection as one ordinarily skilled in the art would make." We can not say that the Board was wrong in such holding.

There is much testimony in the record on behalf of appellants concerning the use only of a FP54 tube in the amplifier but the specification of appellee does not so limit the amplifier. It is stated in his application that "The amplifier 47 may take various forms but it has been found that when it is equipped with a General Electric Company tube type F. P. 54 that satisfactory results are obtained." In view of the entire record on behalf of appellants, we are of opinion, as was the Board of Interference Examiners, that appellants have not established that appellee's disclosure is so defective that it would fail to teach one skilled in the art how to make an operable device.

While appellee took testimony with respect to the operability of his device and made several inter partes tests, in view of our holding that appellants have not convinced us that appellee's device is so incomplete that a person skilled in the art could not make an operative system therefrom, it is unnecessary to discuss the record on behalf of appellee.

For the reasons hereinbefore set out, the decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

By reason of illness, O'CONNELL, *J.*, was not present at the argument of this case and did not participate in the decision.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,758,315, 1,793,690, F. Girardi, Gear change mechanism for automotive vehicles; 1,992,419, same, Speed change gear set operating mechanism; 2,231,740, J. J. Wharam, Transmission shifting device; 2,202,949, 2,202,950, Girardi & Cipullo, Gear shift mechanism, filed Aug. 27, 1945, D. C., N. D. Ill., E. Div., Doc. 45c1426, *Salvatore Cipulla et al.* v. *Ford Motor Co. et al.*

1,793,690. (See 1,758,315.)

1,838,511, W. C. Wilson, Device for cleaning air; 1,838,512, same, Method of cleaning air; 1,838,513, same, Air cleaner, filed Sept. 23, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1398, *W. C. Wilson* v. *General Motors Corp.*

1,838,512. (See 1,838,511.) 1,838,513. (See 1,838,511.)

1,992,419. (See 1,758,315.)

2,012,916, 2,049,273, R. H. Pott, Impact tool, filed Sept. 15, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1360, *R. H. Pott* v. *Illinois Gage & Mfg. Corp. et al.*

2,049,273. (See 2,012,916.)

2,092,348, C. N. Cross, Picture mount; 2,181,874, same, Picture holder; 2,240,208, same, Mount; 2,240,209, same, Display mount, filed Sept. 28, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1422, *C. N. Cross* v. *S. I. Reis et al.*

2,153,335, M. A. Martin, Refrigerating unit; 2,199,503, same, Beer cooling system and apparatus; Des. 117,907, same, Beverage cooling cabinet, D. C., N. D. Ill., E. Div., Doc. 47c126, *M. A. Martin et al.* v. *H. Ross et al.* Cause dismissed and defendants enjoined Oct. 27, 1948.

2,159,832. (See Re. 20,818.)

2,159,833. (See Re. 20,818.)

2,181,874. (See 2,092,348.) 2,199,503. (See 2,153,335.)

2,202,949. (See 1,758,315.) 2,202,950. (See 1,758,315.)

2,230,486. (See Re. 20,818.)

2,231,740. (See 1,758,315.) 2,240,208. (See 2,092,348.)

2,240,209. (See 2,092,348.)

2,389,327. (See Re. 20,818.)

Re. 20,818, P. H. Smyth, Jr., Selective phonographic playing machine; 2,159,832, 2,159,833, same, Phonograph; 2,230,486, L. A. Durant, Selector mechanism; 2,389,327, D. C. Rockola et al., Phonograph, filed Oct. 4, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1455, *Rock-Ola Mfg. Corp.* v. *Filben Corp.* Doc. 48c1456, *Rock-Ola Mfg. Corp.* v. *National Filben Corp.* Doc. 48c1457, *Rock-Ola Mfg Co.* v. *Apex Cigarette Service, Inc.* Doc. 49c1458, *Rock-Ola Mfg. Co.* v. *J. Nelson et al.*

Des. 117,907. (See 2,153,335.)

Des. 146,562, Emde & Vernier, Phonograph pickup arm; T. M. 422,174, Zenith Radio Corp., Pickup arms and parts thereof, etc.; T. M. 150,347, M. Ferar, Pickup arm for electrical phonographs, filed June 25, 1948, D. C., N. D. Ill., E. Div., Doc. 48c916, *Zenith Radio Corp.* v. *Sears Roebuck & Co. et al.*

Des. 147,040, A. E. Frontier, Table lamp; Des. 148,905, R. O. Bextel, Combination lamp and potted plant bowl, D. C., N. D. Ill., E. Div., Doc. 47c1610, *Advance Lamp Co.* v. *Lambex Specialties Lamp Mfg. Co. et al.* Cause dismissed Oct. 1, 1948.

Des. 148,905. (See Des. 147,040.)

Des. 150,347. (See Des. 146,562.)

T. M. 48,005, Frank H. Fleer & Co., Chewing-gum (suit for declaratory judgment), D. C., N. D. Ill., E. Div., Doc. 47c1485, *Leaf Brands, Inc.*, v. *American Chicle Co.* Cause dismissed Oct. 25, 1948.

T. M. 106,222, The De Pree Chemical Co., Certain named pharmaceutical preparations; T. M. 126,838, same, Complexion powder, complexion cream, toilet water, filed Oct. 22, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1548, *The De Pree Co.* v. *Nozzema Chemical Co. et al.*

T. M. 126,838. (See T. M. 106,222.)

T. M. 344,945, Florasynth Laboratories, Inc., Natural and synthetic organic products for use for perfume purposes; T. M. 349,930, same, Natural and synthetic organic products for beverages and soda fountain use; T. M. 353,939, same, Synthetic and natural aromatics and essential oils for food flavoring purposes; T. M. 354,154, same, Natural and synthetic organic products for flavoring extracts, oils, and blenders for alcoholic beverages, filed Sept. 27, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1417, *Florasynth Laboratories, Inc.*, v. *H. E. Goldberg et al.*

T. M. 349,930. (See T. M. 344,945.)

T. M. 353,939. (See T. M. 344,945.)

T. M. 354,154. (See T. M. 344,945.)

T. M. 422,174. (See Des. 146,562.)

NOTICES

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,405,242, G. C. Southworth, Microwave radio transmission, decided Nov. 30, 1948, claims 13, 14, and 20.

Pat. 2,417,829, A. C. Keller, Compressional wave signaling device, decided Nov. 26, 1948, claim 4.

Pat. 2,411,972, W. Melin, Centerless grinding machine, decided Nov. 29, 1948, claim 2.

Pat. 2,326,940, P. H. Granger, Oil well tool, decided Oct. 7, 1948, claims 3, 6, 8, and 9.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I. Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 15,136 through 15,539) are the balance of Schedule 4 and part of Schedule 5, Groups 28; 34.

Inquiries concerning these patents should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 4—Continued

Section 9

Finishes for Flexible Substrates Including Paper, Leather, Fabrics, Etc. (Except Fully Coated Fabrics)

Pat. 1,894,050. Coating Composition. Jan. 10, 1933. Nitrocellulose coating compositions for leather containing neat's-foot oil and lactic acid.

Pat. 1,911,937. Leather Finish. May 30, 1933. A lacquer for coating leather containing a high ratio of wax, so that the resulting finish has a plurality of small cracks, to provide suppleness.

Pat. 1,912,200. Floor Covering and Process of Making Same. May 30, 1933. A linoleum-like floor covering comprising pigment, inert wood cellulose, and alkyd resin modified with a monobasic acid of more than 10 carbon atoms.

Pat. 1,915,301. Water-Repellent Coating Composition. June 27, 1933. A lacquer for imparting water repellency to a fabric comprising a cellulose derivative, a non-volatile oil, and a wax.

Pat. 1,942,736. Coating Composition. Jan. 9, 1934. Fast drying, alkali resistant primer paint for linoleum-like floor coverings comprising a rosin modified alkyd resin-drying oil varnish as the vehicle.

Pat. 1,954,750. Manufacture of Patent Leather. Apr. 10, 1934. A patent leather product having a flexible base having an undercoat comprising pyroxylin and a top coat of oil modified polyhydric alcohol-polybasic acid resin.

Pat. 1,959,363. Coated Material. May 22, 1934. In a floor covering, the combination of a base material and a print paint decoration, the vehicle of said print paint being a drying oil modified alkyd resin.

Pat. 1,960,220. Coated Material. May 22, 1934. In a decorated material of the group which consists of floor coverings, wall coverings and oil cloth, the combination of a base material and a print paint decoration comprising a drying oil modified glycol polyester resin.

Pat. 2,022,004. Paper Sizing. Nov. 26, 1935. Water repellent paper and preparation by sizing with aqueous emulsions of certain acidic alkyd resins (such as a 65–90% stearic acid glyceride modified alkyd).

Pat. 2,073,796. Coating Composition. Mar. 16, 1937. A nitrocellulose lacquer composition for use on labels in which the softener is a semi-drying vegetable such as cottonseed oil.

Pat. 2,075,333. Treatment of Paper. Mar. 30, 1937. Paper treated with the resinous reaction product of a substantially unpolymerizable polyhydric phenol and an organic polyhalide.

Pat. 2,092,817. Impregnated Cigarette. Sept. 14, 1937. Cigarette paper treated with polymeric methyl methacrylate and related resins.

Pat. 2,102,207. Coated Paper and Paper Coating Composition. Dec. 14, 1937. Coating compositions containing mixed cellulose ethers of the "lorol"-ethyl cellulose type, and paper coated therewith.

Pat. 2,109,931. Paper Sizing. Mar. 1, 1938. Process for sizing paper containing alkaline filler which includes the step of mixing the sized pulp with an aqueous slurry of the alkaline filler treated with a plasticized resin size insensitive to the alkalinity.

Pat. 2,109,944. Paper Sizing. Mar. 1, 1938. Sizing calcium carbonate-filled paper with an oil-plasticized resin in emulsion form.

Pat. 2,118,522. Carpet Seam. May 24, 1938. The use of a textile fabric woven from soluble and insoluble fibers such as cotton and cellulose acetate, in connection with a cellulose adhesive as a backing for the carpet seam.

Pat. 2,128,962. Coated Objects. Sept. 6, 1938. A rigid fibrous cellulosic material primed with a deacetylated chitin composition and coated thereover with a water-impermeable organic film-forming surface coating.

Pat. 2,137,706. Impregnated Cigarette. Nov. 22, 1938. Cigarette paper treated with vinyl resins.

Pat. 2,179,953. Cigarette Paper. Nov. 14, 1939. A waterproof cigarette paper comprising a discontinuous coating of a wax and a mineral oil.

Pat. 2,184,307. Manufacture of Paper. Dec. 26, 1939. An improved process of preparing greaseproof paper comprising the steps of precipitating a size containing deacetylated chitin on paper pulp, forming the wet paper sheet and treating the precipitated size with acid swelling agents before drying the paper.

Pat. 2,184,312. Manufacture of Paper. Dec. 26, 1939. A process of manufacturing greaseproof paper comprising the new steps of sizing with a hydrophilic colloid of specified minimum viscosity characteristics, such as deacetylated chitin size, forming the wet paper sheet, drying and swelling the colloid with a surface size.

Pat. 2,201,892. Leather Finish. May 21, 1940. A patent leather finish comprising the resinous reaction product of urea-formaldehyde and an aliphatic monohydric alcohol, said resinous product containing said alcohol in combined form in amount from about one-half to about one molecule of alcohol for each molecule of urea.

Section 10

Finishes for Wood Surfaces—Including Furniture

Pat. 1,973,649. Sanding Sealer. Sept. 11, 1934. A sanding sealer comprised of cellulose nitrate, alkyd resin modified with natural resin acids and saturated fatty acids having more than 8 carbon atoms, and a sanding aid, such as stearate soaps and wax.

Pat. 2,011,130. Burnproof Material. Aug. 13, 1935. A scorch proof surface comprising a laminated wood veneer underlaid with a metal foil to carry away the heat.

Pat. 2,075,025. Coating Compositions and Processes of Preparing the Same. Mar. 30, 1937. A substantially clear coating composition consisting of a natural high acid number resin in a solvent with an alkaline neutralising agent sufficient to reduce the acid number but insufficient to cause precipitation of the resin.

Pat. 2,117,085. Process of Preparing Laminated Material. May 10, 1938. Metal veneered with wood in which the metal is first coated with a metal primer before the wood veneer is attached to it.

Pat. 2,168,040. Coating Composition. Aug. 1, 1939. A clear, brilliant, durable finish for wood surfaces, comprising low viscosity nitrocellulose, a vegetable oil previously heated with an oxide of a metal of Group 2 of Periodic Table (e. g., magnesium), resins or gums, solvents and diluents.

Pat. 2,201,914. Finishing System. May 21, 1940. Wood finishes comprising a urea-formaldehyde-alcohol resinous material, a plasticizer and a fossil resin.

Pat. 2,204,981. Coating Composition. June 18, 1940. A flat lacquer comprising silica-gel as a flatting agent in a cellulose derivative vehicle.

Pat. 2,225,262. Wood Filler. Dec. 17, 1940. A wood finishing filler consisting essentially of a polyhydric alcohol-polybasic acid resin modified with 50–80% drying oil, a siliceous filler in amount of from 4 parts to 9 parts filler for each part of said resin, solvent and a drier.

Pat. 2,260,889. Coating Composition. Oct. 28, 1941. A scratch-resistant finish for wood comprising cellulose nitrate, plasticizer and 40 to 55% oil length hydrogenated castor oil modified alkyd resin within a specified range of ratios.

Pat. 2,292,468. Finishing Composition. Aug. 11, 1942. Compositions comprising urea-formaldehyde-alcohol resinous material, a plasticizer and a maleic anhydride rosin modified alkyd type resin.

Pat. 2,293,558. Coating Composition. Aug. 18, 1942. A scratch-resistant, highly adhesive, penetrating primer for wood, comprising polyvinyl butyral resin, cellulose nitrate and shellac within specified ratios for the three essential components.

Pat. 2,294,479. Process for Polishing Coatings. Sept. 1, 1942. Process for imparting a high lustre to lacquered articles by exposing them to the vapors of nitrocellulose solvents and chlorinated hydrocarbons.

Pat. 2,316,752. Coated Wooden Forms for Concrete. Apr. 20, 1943. A concrete form comprising a wooden member coated at least on the moulding surface with a lacquer containing a cellulose derivative and at least one wax-like, water-repelling, adhesion-resisting agent.

Pat. 2,357,458. Coating Composition. Sept. 5, 1944. A bowling pin lacquer containing cellulose ethers and cellulose esters and an anti-dirt collecting agent consisting of cetyl pyridinium bromide.

Pat. 2,363,658. Finishing System. Nov. 28, 1944. A process of coating wood surfaces which comprises preheating the wood in the range of 150° F. to 325° F., applying heat stable finish and maintaining the elevated temperature until the finish is dry.

Section 11

Organic Coatings for General Use Including Intermediates Therefor

Pat. 1,898,088. Coating Composition Containing Beta-Eleostearin. Feb. 21, 1933. Heat-treated beta-eleostearin, process of making it from Chinawood oil, and use in coatings.

Pat. 1,900,507. Cellulose Ether Composition. Mar. 7, 1935. A coating composition comprising a cellulose ether, a varnish resin, composite softener and solvent, said softener comprising petrolatum and a non-volatile cellulose ether solvent compatible therewith.

Pat. 1,920,297. Crotyl Cellulose and Crotyl Cellulose Compositions. Aug. 1, 1933. A composition comprising an unsaturated cellulose ether from the group consisting of crotyl and allyl cellulose, and a drier.

Pat. 1,938,662. Coating Composition. Dec. 12, 1933. Coating composition containing a polymerized vinyl ester and Chinawood oil, linseed oil, perilla oil, or hempseed oil.

Pat. 1,939,676. Cellulose Nitrate Coating Composition. Dec. 19, 1933. A mother-of-pearl lacquer comprising pearl essence from fish scales, and a stabilizer of the iron butyl phthalate type. These metal half esters are designed to impart color to the compositions.

Pat. 1,942,413. Varnish Composition and Shellac Substitute. Jan. 9, 1934. A shellac substitute comprising a mixture of Batu gum, rosin, and sufficient lime to neutralize the rosin, which mixture has been heated to over 600° F., dissolved in a varnish thinner.

Pat. 1,942,757. Resinous Coating Composition. Jan. 9, 1934. An alkyd resin coating composition comprising a petroleum hydrocarbon solvent having a boiling range not greater than about 30° C. which lies within the range of temperature of about 150° C. to about 250° C.

Pat. 1,970,572. Aqueous Emulsion. Aug. 21, 1934. Making aqueous emulsions by colloiding cellulose derivatives with oil, adding solvent and an emulsifying agent, then water to invert the mixture.

Pat. 1,975,783. Oil Paint Resistant to Yellowing. Oct. 9, 1934. Paint resistant to yellowing made from light colored pigments and sunflower seed oil, heated in non-oxidizing gas, then air-blown at lower temperature.

Pat. 1,985,896. Coating Composition Retaining Flexibility and Antioxidant Therefor. Jan. 1, 1935. Normal-drying, flexibility-retentive coatings containing a drying oil, a drier, and an aryl-substituted guanidine.

Pat. 2,028,758. Varnish Composition. Jan. 28, 1936. A varnish comprising a mixture obtained by heating 20–40 parts of Batu gum, about 4 parts of limed rosin, and 2–8 parts of Chinawood oil, to a temperature of 450–490° F., said mixture being dissolved in a varnish thinner.

Pat. 2,047,220. Chemical Compositions and Processes for Mixing the Same. July 14, 1936. Aqueous dispersions of finely-divided, unreactive, water-insoluble solid materials in an aqueous solution of a salt of deacetylated chitin, the latter becoming insoluble on heating.

Pat. 2,047,597. Varnish. July 14, 1936. Varnishes containing drying oils and alcohols obtained by hydrogenating natural acidic resins.

Pat. 2,047,642. Stabilization of Animal and Vegetable Fats and Oils. July 14, 1936. Tyrosine esters as antioxidants for fatty oils.

Pat. 2,069,983. Coating Composition. Feb. 9, 1937. Coating composition comprising polymeric methyl methacrylate and an alkyd coumarone, or phenol-formaldehyde resin.

Pat. 2,075,376. Resinous Compositions. Mar. 30, 1937. Lacquers comprising ethyl cellulose, a plasticizer, and a selected phenol-formaldehyde resin, e. g., p-tertiary-amylphenol formaldehyde resin.

Pat. 2,088,052. Coating Composition. July 27, 1937. Cellulose derivative-vinyl resin compositions which possess improved resistance to chalking and bronzing in service, preferably consisting of cellulose nitrate compositions containing a vinyl chloride/acetate copolymer resin.

Pat. 2,097,339. Resinous Compositions. Oct. 26, 1937. Mold-resistant paints containing selected organic mercurials, such as phenyl mercury hydroxide.

Pat. 2,112,354. Treatment of Oils of the Type of China-Wood Oil and Oiticica Oil. Mar. 29, 1938. Process for preparing non-wrinkling fast drying finishes from tung oil, the new steps of which comprise bodying the oil in contact with air to 3 to 150 poises, adding solvent and aging in contact with air.

Pat. 2,120,083. Solid-Gelled Oil Composition and Process of Preparing Same. June 7, 1938. Dispersion of solid gelled castor oil into a nitrocellulose plastic mixture on the two roll mill.

Pat. 2,120,089. Process of Preparing Oil Compositions. June 7, 1938. Dispersion of solid-gelled oil into a liquid medium by first rolling the gelled oil on a two roll mill until it becomes a semi-plastic mass and then dispersing it in the liquid.

Pat. 2,190,705. Cellulose Derivative Emulsions. Feb. 20, 1940. A paste-like oil-in-water cellulose derivative emulsion for use as a coating material or adhesive using two different emulsifying agents one being of the polar type and the other of the water colloidable viscous type.

Pat. 2,207,967. Paint and Varnish Remover. July 16, 1940. Paint and varnish remover made by preparing a gel dispersion of an alkaline earth metal soap in an aromatic hydrocarbon to which is added suitable waxes while hot and subsequently active solvent.

Pat. 2,216,233. Cellulose Derivative Emulsions. Oct. 1, 1940. A high solids, high stability nitrocellulose emulsion using gum ghatti in the aqueous phase.

Pat. 2,243,220. Apparatus for the Application of Coating Compositions. May 27, 1941. A process for applying nitrocellulose lacquers at an elevated temperature which comprises passing the lacquer through an electrically heated hose to raise the temperature before it reaches the spray gun.

Pat. 2,260,880. Coating Composition. Oct. 28, 1941. Stable zinc oxide containing coating compositions made by the addition of organic silicates to coating composition vehicles containing zinc oxide.

Pat. 2,291,284. Coating Composition. July 28, 1942. Blush resistant, high solids lacquer comprising cellulose nitrate and a volatile vehicle having high solvent power and characterized by a specified temperature depression during spraying.

Pat. 2,293,761. Polyamid Solution. Aug. 25, 1942. Unsaturated alcohol solution of polyamide interpolymers.

Pat. 2,308,879. Coating Composition and Process of Making the Same. Jan. 19, 1943. A water paint containing rubber latex, having resistance to washing.

Pat. 2,328,249. Coating Composition. Aug. 31, 1943. Coating compositions containing anhydrous calcined vermiculite which has been calcined at 600° C. to 750° C.

Pat. 2,328,625. Process of Preparing Pigmented Nitrocellulose Coating Compositions. Sept. 7, 1943. Process for filtering pigmented cellulose nitrate enamels by the addition of a fractional percentage of diatomaceous filter aid of effective pore size, characterized by an inherent permeability coefficient prior to filtering.

Pat. 2,330,337. Alpha-Beta Unsaturated Ketones as Drying Accelerators for Oil Modified Coating. Sept. 28, 1943. Oleoresinous coating compositions characterized by accelerated drying rate comprising an oleoresinous film forming material, a drier and an alpha-beta-ethylenically unsaturated ketone.

Pat. 2,339,775. Coating Composition. Jan. 25, 1944. A coating composition comprising a vinyl halide polymer, a light colored pigment and from 1% to 7.5% of material selected from the group consisting of lecithin and cephaline.

Pat. 2,346,755. Emulsion Composition. Apr. 18, 1944. Stable emulsions of water insoluble polymeric organic film forming material dispersed in the water phase containing polyvinyl alcohol and water soluble chromium Werner organic complex, the latter being an insolubilizing and crosslinking agent for the vinyl derivative.

Pat. 2,362,876. Coating Composition and Process for Preparing the Same. Nov. 14, 1944. A coating composition with improved pigment settling characteristics comprising an oleoresinous vehicle, a pigment and a small percentage of ethyl cellulose precipitated in situ in the form of flocculent curds.

Pat. 2,364,172. Coating Compositions. Dec. 5, 1944. A coating composition containing vinyl chloride-vinyl acetate copolymer, methyl ethyl ketone, butyl alcohol soluble alcohol modified urea-formaldehyde resin intermediate.

Pat. 2,371,094. Nonfogging Coating Compositions. Mar. 6, 1945. Nonfogging coating compositions used for interior decorative and protective purposes in building in which photographic emulsions are used or prepared.

Pat. 2,374,067. Resinous Compositions and Articles of Manufacture Comprising Them. Apr. 17, 1945. A composition of matter having electrical insulating properties comprising low hydroxyl type polyvinyl acetal resin and unsaturated cycloaliphatic hydrocarbons derived from petroleum-refining acid sludge.

Pat. 2,381,880. Ester. Aug. 14, 1945. A polyhydric alcohol mixed ester having film forming characteristics comprising a polyhydric alcohol esterified partially with a monocarboxylic acid having conjugated ethylenic double bonds and partially with a monofunctional, monocarboxylic acid of another type.

Pat. 2,381,881. Mixed Esters. Aug. 14, 1945. A film forming composition of matter comprising polyhydric alcohol mixed ester of a beta-furfurylacrylic acid and a mono-functional mono-carboxylic acid of a different structure, such as acids of natural fatty oils.

Pat. 2,381,882. Ester. Aug. 14, 1945. A film forming composition of matter comprising a polyhydric alcohol mixed ester of a cyano unsaturated monocarboxylic acid having conjugated ethylenic double bonds and a monofunctional, monocarboxylic acid of a different structure, such as acids of natural fatty oils.

Pat. 2,381,883. Ester. Aug. 14, 1945. A film forming composition of matter comprising the polyhydric alcohol ester of cinnamalacetic acid; also, the polyhydric alcohol mixed ester of cinnamalacetic acid and another monofunctional, monocarboxylic acid, such as acids of natural fatty oils.

Pat. 2,381,884. Synthetic Resins and Coating Compositions Containing Them. Aug. 14, 1945. Alkyd resin and coating compositions prepared therefrom comprising the condensation product of a polyhydric alcohol, a polybasic acid and a beta-furfurylacrylic acid.

Pat. 2,381,885. Mixed Esters. Aug. 14, 1945. A film forming composition of matter comprising a polyhydric alcohol ester of an alpha, beta ethylenic-alpha-alken-1-yl monofunctional, monocarboxylic acid and another monofunctional monocarboxylic acid, such as the acids of natural fatty oils.

Pat. 2,381,886. Esters. Aug. 14, 1945. A film forming composition of matter comprising the polyhydric alcohol ester of an acylacrylic acid; also, the polyhydric alcohol mixed ester of an acylacrylic acid and another monofunctional, monocarboxylic acid, such as acids of natural fatty oils.

Pat. 2,381,887. Mixed Esters. Aug. 14, 1945. Film forming compositions of matter comprising the polyhydric alcohol mixed ester of a monofunctional alpha, beta ethylenic-beta, -aryl monocarboxylic acid and another monofunctional, monocarboxylic acid, such as acids of natural fatty oils.

Pat. 2,381,888. Process of Making Mixed Esters. Aug. 14, 1945. Process of preparing film forming polyhydric alcohol mixed esters comprising the direct interaction of a natural fatty glyceride, a polyhydric alcohol and the alpha, beta unsaturated, monofunctional, monocarboxylic acid.

Pat. 2,381,889. Esters. Aug. 14, 1945. Film forming composition of matter comprising a polyhydric alcohol ester of a thienylacrylic acid; also, a polyhydric alcohol mixed ester of a thienylacrylic acid and another monofunctional, monocarboxylic acid, such as acids of natural fatty oils.

Pat. 2,382,297. Floor Coverings. Aug. 14, 1945. A linoleum-type floor covering comprising an asphalt impregnated base and a coating therefore containing a gelled polyhydric alcohol mixed ester of a polyunsaturated monocarboxylic acid, having both conjugated and unconjugated unsaturation, and the acids of a natural drying oil and a pigment.

Pat. 2,389,708. Coating Composition. Nov. 27, 1945. A putty comprising ethyl cellulose, a drying oil modified alkyd resin, pigment and filler.

Pat. 2,418,479. Process for Orienting Ferromagnetic Flakes in Paint Films. July 8, 1947. A process for orienting ferromagnetic flakes in a paint film by exposing the wet paint film to the action of a magnetic field, and at short intervals varying the directional angle of the field through 90° C. until the film is dry.

Pat. 2,425,756. Method of Making Varnishes From Polyhydric Alcohol Mixed Esters of Beta Furylacrylic Acid and an Acidic Natural Resin. Aug. 19, 1947. Method for making varnishes from a polyhydric alcohol mixed ester, the acidic radicals of which comprise a beta furylacrylic acid and a natural resin acid.

Pat. 2,433,910. Putty Composition Comprising a Polymethacrylate and Filler. Jan. 6, 1948. An aircraft putty composition comprising a polymerized methacrylate ester and a filler comprising colloidal china clay and talc at specified ratios.

Section 12

Solvents and Plasticizers—Manufacture and Use

Pat. 1,900,693. Metal Salts of Half Acid Esters of Fatty Hydroxylated Oil and Process of Making Them. Mar. 7, 1933. A lacquer softener consisting of metal salts of hydroxylated oil acid esters of polybasic acids, e. g., ferric castor oil phthalate.

Pat. 1,909,196. Ester of Dibasic Acid. May 16, 1933. Esters of dibasic acids in which at least one acid group is esterified with hydrocarbon esters of aliphatic polyalcohols, having more than two hydroxyls, e. g. butyl monoethylin phthalate.

Pat. 1,933,697. Modified Castor Oils and Coating Compositions Containing the Same. Nov. 7, 1933. Polycarboxylic acid esters of castor oil. Castor oil phthalate useful as non-exuding plasticizer for nitrocellulose.

Pat. 1,949,267. Production of Esters of Organic Acids. Feb. 27, 1934. Aliphatic monohydroxy alcohol-aliphatic moncarboxylic esters freed from impurities, by pretreatment of the organic acid with a reducing agent such as zinc or sodium hypophosphite.

Pat. 1,955,348. Modified Castor Oil. Apr. 17, 1934. Products obtained by heating castor oil with selenium to improve its stability.

Pat. 1,955,885. Uncatalyzed Oxidation of Acetylene. Apr. 24, 1934. Reaction between oxygen and acetylene by heating at a temperature too low to cause an explosion.

Pat. 1,963,968. Purification of Esters. June 26, 1934. Process for the removal of aldehydes from organic esters by treatment with aniline.

Pat. 1,967,955. Coating Composition. July 24, 1934. Coating comprising cellulose derivative, and a resinous polybasic acid ester of an alkyl ether containing a polyhydric alcohol of at least three hydroxyl groups.

Pat. 1,972,887. Method of Purification of Alcoholic Mixtures. Sept. 11, 1934. Separation of crotonyl alcohol from the dehydrogenation products of ethyl alcohol, by passing dry hydrochloric acid through the mixture of dehydrogenation products, and then distilling off the crotonyl chloride thus formed.

Pat. 1,986,787. Cellulose Derivative Composition. Jan. 8, 1935. Coating composition comprising nitrocellulose and castor oil esters of polycarboxylic acids (castor oil phthalate).

Pat. 1,987,601. Purification of Alcohols. Jan. 15, 1935. Process for the removal of aldehydes from alcohol by treatment with aniline.

Pat. 2,010,426. Esterification Process. Aug. 6, 1935. Process of esterification in which the water-carrier is an alkylene dichloride.

Pat. 2,015,145. Ester Derived From Hydrogenated Castor Oil. Sept. 24, 1935. Esters and their preparation by alcoholysis of hydrogenated castor oil and a polyhydric alcohol followed by complete esterification of the alcoholic hydroxyls of the alcoholysis product.

Pat. 2,018,557. Resinous Coating Composition. Oct. 22, 1935. An oil modified alkyd resin dissolved in cracked petroleum having specific boiling points, aniline points, and dilution values.

Pat. 2,020,356. Process for the Manufacture of Dicarboxylic Acid Esters. Nov. 12, 1935. Use of the alcohol of the reaction as a water-carrier in the manufacture of phthalate plasticizers (butyl alcohol as the water-carrier in the manufacture of dibutyl phthalate).

Pat. 2,027,466. Composition Containing Castor Oil Derivative. Jan. 14, 1936. Cellulose derivative compositions containing polycarboxylic acid esters of hydrogenated castor oil.

Pat. 2,027,467. Oil Derivative. Jan. 14, 1936. The oily esters of polycarboxylic acid and hydrogenated castor oil, such as hydrogenated castor oil phthalate.

Pat. 2,029,851. Product and Process of Preparing Same. Feb. 4, 1936. Pentaerythritol esters of unsaturated fatty oil acids, having at least 16 carbon atoms and an iodine number of at least 120, process for making them, and coating compositions therefrom.

Pat. 2,047,598. Cellulose Derivative Compositions. July 14, 1936. A composition comprising a cellulose derivative and as a low boiling solvent therefor, difluorodichloroethane.

Pat. 2,073,011. Peracetylated Oil. Mar. 9, 1937. Peracetylated olive oil and process for making it, under selected conditions.

Pat. 2,091,988. Process for Producing Lauric-Acetic Glyceride. Sept. 7, 1937. Process for making lauric-acetic glyceride, useful as nitrocellulose plasticizer.

Pat. 2,109,943. Esters of Unsaturated Aliphatic Monocarboxylic Acids. Mar. 1, 1938. Esters of drying oil acids and long chain saturated primary monohydric alcohols, such as, e. g. dodecyl linoleate.

Pat. 2,121,684. Artificial Leather. June 21, 1938. An artificial leather product having a coating thereof comprising cellulose nitrate plasticized with a polyester oil derived from phthalic acid, a dihydric alcohol and the glyceride of coconut oil.

Pat. 2,131,925. Purification of Organic Compounds. Oct. 4, 1938. Separation of undesirable impurities from lacquer solvents which comprises removing sulfur compounds from organic solvents, plasticizers, and diluents, by agitation with 5% of its weight of powdered lime, at 80–90° C.

Pat. 2,142,989. Abietyl Esters of Polycarboxylic Acids. Jan. 10, 1939. Polycarboxylic esters of an alcohol derived from natural acid resins whereof the carboxyl group has been reduced to the carbinol.

Pat. 2,165,450. Production of Colorless Liquid Organic Esters. July 11, 1939. Removal of color from liquid organic esters, such as amyl acetate, butyl propionate, etc., by treatment with sodium hydroxide solution.

Pat. 2,168,024. Cleaning Composition. Aug. 1, 1939. A cleaning composition to be used in preparing previously coated surfaces for refinishing, comprised of hydrocarbon diluents having a boiling range of 135–225° C., 5–10% of a cellulose nitrate solvent of specified solvency, and about 1% non-volatile cellulose nitrate pasticizer.

Pat. 2,208,769. Process for Continuous Esterification. July 23, 1940. Apparatus and process for continuous esterification of lower monocarboxylic aliphatic acids and aliphatic monohydric alcohols having 3 to 5 carbon atoms with the acid being considerably in excess; the acid and alcohol being fed into the reaction in equivalent amounts.

Pat. 2,208,770. Process for Continuous Esterification. July 23, 1940. Process of esterification at a reaction ratio of 20–40 parts of acid for each part of alcohol, the acid and alcohol being fed continuously into the reaction vessel at equivalent proportions.

Pat. 2,230,549. Treatment of Castor Oil. Feb. 4, 1941. A light color, low acid number dehydrated castor oil obtained by heating castor oil or the acids derived therefrom in a non-reactive hydrocarbon solvent in the presence of a neutral polyvalent metal sulfate and phosphorous pentoxide.

Pat. 2,267,360. Solvent Treatment. Dec. 23, 1941. The treatment of solvents, to be used in finishes with free oxygen, oxygen containing gases or nascent oxygen liberating materials in the presence of a soluble metallic soap of the metals comprising cobalt and manganese

Pat. 2,274,061. Esterification Process. Feb. 24, 1942. Process for the continuous manufacture of butyl acetate, ethyl acetate, isobutyl acetate, etc., in which the desired ester is removed from the distilling column at a specific point.

Pat. 2,396,129. Plasticizers and Method of Making the Same. Mar. 5, 1946. A fabric coating composition comprising cellulose nitrate and a non-exuding plasticizer consisting of the reaction product of blown corn oil and a dicarboxylic acid selected from phthalic and maleic acids or their anhydrides.

Section 13

Hand Creams, Insect Repellents and Finger Nail Polishes

Pat. 2,021,131. Coating Composition. Nov. 19, 1935. A skin protective coating composition consisting of a saponaceous solution comprising substantially 1600 parts by weight of water and 288 parts by weight sodium stearate, 1155 parts by weight glycerine, and 906 parts by weight sodium silicate.

Pat. 2,032,042. Fingernail Polish Remover. Feb. 25, 1936. A fingernail polish remover comprising a lacquer solvent and a non-drying oil which reduces nail embrittlement, and nullifies the affinity of the solvent for the natural oil of the nails.

Pat. 2,195,971. Fingernail Enamel Composition. Apr. 2, 1940. A fingernail enamel composition comprising cellulose nitrate, a plasticizer and a polymerized acrylic acid ester.

Pat. 2,261,623. Fingernail Enamel. Nov. 4, 1941. Non-settling opaque fingernail polish comprising a cellulose nitrate vehicle and a lake pigment consisting of dye chemically precipitated on 0.12 to 0.18 micron size zinc oxide.

Pat. 2,286,687. Fingernail Enamel Remover. June 16, 1942. A creamy consistency lacquer remover composition comprising a major proportion of active solvent, and the modifying agents wax, lanolin, alkali metal soap and water in specific percentages.

Pat. 2,351,195. Fingernail Enamel Remover Composition. June 13, 1944. A creamy consistency lacquer remover composition comprising a major proportion of active solvent and the modifying agents stearic acid, ethyl cellulose, oily cosmetic aid and aqueous ammonia in specific percentages.

Pat. 2,404,698. Insect Repellent Composition. July 23, 1946. A non-aqueous insect repellent of gel-like consistency comprising a cellulose derivative and a liquid repellent.

Section 14

Synthetic Resins and Their Intermediates

Pat. 1,909,195. Resin-Like Ester. May 16, 1933. Resin-like esters of monoalkyl ethers of glycerin with acids such as benzoylbenzoic.

Pat. 1,909,197. Polybasic Acid-Polyhydric Alcohol Ether Resin and Process for Preparing Same. May 16, 1933. Resin-like esters consisting of hydrocarbon ethers of polyhydroxy compounds containing 2 or more free hydroxyls, and a polycarboxylic organic acid, e. g., a phthalate of monoethylin.

Pat. 1,920,980. Process of Making Synthetic Resins and Coating Compositions Containing Them. Aug. 8, 1933. Modified alkyd resin prepared from polyhydric alcohol, polybasic organic acid and substantially pure beta-eleostearic acid derived from China-wood oil esterified in the absence of sulfuric acid.

Pat. 1,925,935. Synthetic Resin. Sept. 5, 1933. A process for making alkyd resins in which the fatty oil is split by enzyme action before esterification.

Pat. 1,932,688. Synthetic Resin. Oct. 31, 1933. Alkyd resins modified with beta-form non-drying and semi-drying oils derived by conversion of said oils having an iodine number of at least 70 and separation of the unconverted alpha-form.

Pat. 1,942,531. Low Viscosity Vinyl Polymer. Jan. 9, 1934. The product obtained by polymerizing vinyl esters or styrene in the presence of rosin or rosin esters.

Pat. 1,944,887. Esters and Method of Preparing Same. Jan. 30, 1934. Esters of aliphatic monobasic acids containing 6 to 13 carbon atoms and aliphatic primary monohydric alcohols with 12 to 18 carbon atoms.

Pat. 1,974,742. Synthetic Resin and Process of Making Same. Sept. 25, 1934. In the process of making alkyd resins, the step which comprises carrying out the reaction in the presence of an inert gas.

Pat. 1,975,959. Polymerization of Vinyl Compounds in the Presence of Film Forming Materials. Oct. 9, 1934. Preparation of resinous compositions, for example, styrenated alkyds by polymerizing in a mutual inert solvent styrene or a vinyl ester in the presence of another film forming material such as a drying oil, a resin or a cellulose derivative.

Pat. 1,979,260. Mixed Synthetic Oil and Product Derived Therefrom. Nov. 6, 1934. Modified alcoholysis method for making mixed drying oil modified alkyds from frosting and nonfrosting oils.

Pat. 1,980,441. Resinous Metal Compounds. Nov. 13, 1934. A special alkyd resin, in which the polyhydric alcohol is partly esterified with a fatty oil acid, then reacted with a polybasic organic acid, then neutralized with metallic compounds such as ferric chloride, cupric sulfate and ceric sulfate.

Pat. 1,986,423. Process for the Production of Diphenyl Methanes. Jan. 1, 1935. Condensation of a phenol with an aldehyde or a ketone using a boron compound catalyst.

Pat. 1,984,153. Synthetic Resin and Composition Containing It. Dec. 11, 1934. Improving drying oil modified alkyd resins by treatment with litharge during manufacture.

Pat. 1,993,828. Synthetic Resin. Mar. 12, 1935. Improved water-resistant alkyd resins prepared by condensation with a ketone and coating compositions containing said improved alkyd resin

Pat. 2,006,043. Synthetic Resin. June 25, 1935. A phenol aldehyde resin comprising the reaction product of formaldehyde and a phenol containing unsaturated side chains.

Pat. 2,009,029. Resinous Compositions. July 23, 1935. The resinous reaction product of a protein and a polyhydric alcohol-condensed in an alkaline medium at a temperature of at least 140° C.

Pat. 2,009,432. Resinous Compositions. July 30, 1935. Modified alkyd resins containing in combined form a polyhydric alcohol ester of an aminocarboxylic acid.

Pat. 2,011,908. Cured Tung Oil Acid. Aug. 20, 1935. A method of making polyhydric alcohol-polybasic acid resins which comprises curing tung oil acids by heating them at a temperature of about 540° F. to 585° F. and heating the cured acids with an organic polybasic acid and polyhydric alcohol until resinification takes place.

Pat. 2,019,510. Modified Polyhydric Alcohol-Polybasic Acid Resins and Compositions Containing Them. Nov. 5, 1935. Alkyd resins modified with partial hydrocarbon ethers of polyhydric alcohols, process of preparation and coating compositions therefrom.

Pat. 2,022,011. Resinous Composition. Nov. 26, 1935. Resins made from non-cellulosic polyhydric alcohol and reaction product of organic polybasic acid and a cellulose derivative

Pat. 2,025,612. Resinous Composition and Process for Making the Same. Dec. 24, 1935. Alkyd resins chemically modified with natural ester-waxes and their preparation involving the step of alcoholysis of the said waxes.

Pat. 2,025,642. Arylated Esters and Synthetic Resinous Compositions. Dec. 24, 1935. Arylated esters and their preparation from aromatic hydrocarbons and natural resin acids or their esters, or esters of unsaturated fatty acids; alkyd resins therefrom.

Pat. 2,035,348. Resinous Compositions. Mar. 24, 1936. Resins obtained by reacting polycarboxylic acids with protein-polyhydric alcohol-alkali fusion products.

Pat. 2,035,528. Synthetic Resin. Mar. 31, 1936. Higher alcohol modified alkyd resins, and their preparation from saturated and unsaturated, high molecular weight monohydric, aliphatic alcohols.

Pat. 2,044,747. Resinous Bodies and Varnishes Obtained Therewith. June 16, 1936. A process for preparing alkyd resins involving the new step of partially esterifying the polyhydric alcohol with a monobasic acid and then resinously condensing the partially acylated polyhydric alcohol with a polycarboxylic acid.

Pat. 2,046,318. Synthetic Resin. July 7, 1936. Resins from C_7 and higher o- or p-tertiary alkyl mononuclear phenols and formaldehyde, and varnishes made therefrom with oils or alkyds.

Pat. 2,047,668. Synthetic Resins. July 14, 1936. Preparation of alkyd resins modified with polyfunctional reactants containing at least one cyano group hydrolizable to the carboxyl group.

Pat. 2,048,774. Synthetic Resins. July 28, 1936. Alkyd resins from alicyclic dihydric secondary alcohols and polycarboxylic acids.

Pat. 2,048,778. Amine Modified Polyhydric Alcohol-Polybasic Acid Resins. July 28, 1936. Making amine modified alkyd resins from aliphatic amines.

Pat. 2,057,765. Polyhydric Alcohol-Polybasic Acid Resins and Compositions Containing Them. Oct. 20, 1936. Process for the preparation of alkyd resins involving resinification of the components in the presence of a non-reactive, water-immiscible solvent without an esterification catalyst.

Pat. 2,057,766. Dispersed Gelled Resins. Oct. 20, 1936. Gelled alkyds dispersed in an inert volatile liquid and their preparation of resinification of the components in a solvent for the resin in the ungelled state, continually removing both water and solvent during the esterification thereafter replenishing the solvent and continuing to reaction to form a jelly-like dispersion.

Pat. 2,059,850. Synthetic Resins. Nov. 3, 1936. Alkyd resins prepared from ketone-alcohols and/or keto-acids.

Pat. 2,059,943. Synthetic Resins. Nov. 3, 1936. Naphthanone-formaldehyde resins and coating compositions therefrom.

Pat. 2,066,363. Resinous Compositions. Jan. 5, 1937. Mold-resistant coating containing an oil-modified alkyd resin and an organic compound of mercury.

Pat. 2,069,275. Phenolic Compounds. Feb. 2, 1937. Resin forming polyhydric derivative prepared by condensation of naphthanone with a mononuclear monohydric phenol.

Pat. 2,069,560. Tertiary Alkyl-Cyclohexyl Phenols and Process of Preparing Same. Feb. 2, 1937. Product and preparation of alkyl cyclohexyl phenols.

Pat. 2,069,573. Phenolic Compounds. Feb. 2, 1937. Resin forming polyhydric derivatives prepared by condensing 3,5 dimethyl cyclohexanone with a mononuclear, monohydric phenol.

Pat. 2,074,782. Resinous Compositions and Process of Making Same. Mar. 23, 1937. A resinous composition comprising a homogeneous combination of urea-aldehyde condensation product and the product obtained by dissolving with heat treatment an organic peroxide in a fatty oil modified polyhydric alcohol-polybasic acid resin.

Pat. 2,074,814. Resinous Compositions and Process of Making Same. Mar. 23, 1937. Blends of urea-formaldehyde resins with non-hydroxylated fatty oil modified alkyd prepared with excess polyhydric alcohol.

Pat. 2,079,616. Resinous Coating Compositions. May 11, 1937. A process which comprises heating polyhydric alcohol with the varnish obtained by heating drying oil with oil soluble phenol-aldehyde resin, until the two phases merge into a single phase, and heating the resulting product with polycarboxylic acid.

Pat. 2,079,633. Synthetic Resins. May 11, 1937. Preparation of heat-hardening oil soluble phenol-formaldehyde resins by reacting a phenol and formaldehyde in presence of a mildly acid catalyst and a volatile solvent.

Pat. 2,086,458. Polyhydric Alcohol-Polybasic Acid Resins. July 6, 1937. A resinous ester of a polyhydric alcohol with a mixture of acids comprising a hydrogenated acidic gum and a fatty oil acid and/or an organic polybasic acid.

Pat. 2,097,345. Resinous Compositions. Oct. 26, 1937. Resins from formaldehyde and selected polynuclear phenolic monocarboxylic acids.

Pat. 2,097,348. Synthetic Resins. Oct. 26, 1937. Making aryl carbinol resins by condensing an aryl carbinol under selected conditions of temperature and acidity.

Pat. 2,098,869. Artificial Resins and Method of Making. Nov. 9, 1937. Acid-soluble primary amine-phenol-formaldehyde resins.

Pat. 2,101,534. Urea-Formaldehyde Condensation Products. Dec. 7, 1937. Dehydration of crude dimethylol urea with a nonsolvent for the dimethylol urea to remove the impurities and to condition the product to an improved physical state.

Pat. 2,103,238. Synthetic Resin Manufacture. Dec. 28, 1937. An organic compound of copper used in the reaction mixture to produce alkyd resins of low acid number.

Pat. 2,110,042. Resinous Composition. Mar. 1, 1938. An oil modified alkyd resin having a predetermined drying time prepared by separating the resin into a slow drying and a fast drying fraction, and these fractions then mixed in the proportions necessary to obtain the desired results.

Pat. 2,112,556. Resinous Compositions and Process of Making Same. Mar. 29, 1938. A resinous composition comprising an oxidized-oil modified alkyd resin and a urea-formaldehyde condensation product.

Pat. 2,123,206. Synthetic Resins and Compositions Containing Them. July 12, 1938. The process of preparing synthetic resins which comprises the alcoholysis of oils of the drying or semi-drying type with polyhydric alcohol in the presence of an inorganic basic catalytic material, and the esterification of the resulting product with a polybasic carboxylic acid.

Pat. 2,124,151. Synthetic Resins. July 19, 1938. Reaction product of urea and a saturated non-hydroxylated aliphatic aldehyde condensed without a catalyst in the presence of a monohydric alcohol.

Pat. 2,126,773. Manufacture of Synthetic Resins. Aug. 16, 1938. Urea-formaldehyde compatible, non-frosting, non-gelling drying oil modified alkyd resin made by heating the resin in hydrocarbon solvents under pressure.

Pat. 2,132,442. Synthetic Resins. Oct. 11, 1938. Insoluble acidic alkyd resins rendered soluble and of low acid number by reaction with gaseous ammonia and condensation of the product with formaldehyde.

Pat. 2,147,789. Resins From Aminophenols and Formaldehyde. Feb. 21, 1939. Resins prepared by reacting at least one mole of aliphatic aldehyde with one of selected tertiary aminophenols.

Pat. 2,181,893. Synthetic Resins. Dec. 5, 1939. Alkyd resins modified by linseed oil acids and Chinawood oil in selected amounts and ratios.

Pat. 2,190,829. Phenol Carboxylic Acid Amide-Formaldehyde Resins. Feb. 20, 1940. Amide-modified phenol-formaldehyde resins.

Pat. 2,191,587. Polyether Resins. Feb. 27, 1940. A soluble, thermo-hardening resin comprising the reaction product of formaldehyde and a thermoplastic ether resin derived from the reaction of an unpolymerizable monomeric polyhydric ether and an organic polyhalide.

Pat. 2,191,957. Resinous Composition and Method of Preparing Same. Feb. 27, 1940. The resinous reaction product of urea-formaldehyde and an aliphatic monohydric alcohol, said product containing said alcohol in combined form in amount of from about one-half to about one molecule of alcohol for each molecule of combined urea and at least two molecules of urea having been eliminated during condensation.

Pat. 2,191,974. Diethers of Dimethyol Urea and Process for Making Same. Feb. 27, 1940. Dialkyl diethers of dimethylol urea prepared by reacting substantially dry dimethylol urea with the alcohol by heating in the presence of anhydrous magnesium sulphate.

Pat. 2,201,926. Resin Solutions From Diethers of Dimethylol Urea. May 21, 1940. Process for preparing urea-formaldehyde resinous solutions made by heating crystalline di-ether of di-methylol urea alone under a reflux condenser and continuing the heating therein of the molten di-ether until the polymeric ether of methylene urea is formed and the liberated hydroxylated solvent dissolves said last mentioned ether.

Pat. 2,201,927. Methylol Urea Ethers and Process for Making Same. May 21, 1940. Alkyl and aryl ethers of methylol ureas made by reacting alcohols with methylol compounds wet with water in the presence of an acid catalyst with a suitable alkali.

Pat. 2,213,921. Dialkyl Ethers of Dimethylol Urea and Process for Making Same. Sept. 3, 1940. Higher dialkyl ethers of dimethylol urea made by reacting in acid, neutral or basic medium a dialkyl ether of dimethylol urea with an alcohol containing a larger number of carbon atoms than contained in either of the alcohol radicals of the ether.

Pat. 2,225,534. Copolymers of Styrene With Frosting Drying Oil Varnishes. Dec. 17, 1940. Interpolymers of styrene and preformed, heat-blended rosin-wood oil varnishes.

Pat. 2,247,419. Monoethers of Dimethylol Urea and Process for Making Same. July 1, 1941. A process which comprises reacting, in alkaline medium, formaldehyde and an alkyl ether of a monomethylol urea.

Pat. 2,260,890. Method of Preparing Resinous Compositions. Oct. 28, 1941. Improved process for making monohydric alcohol modified urea-formaldehyde resins involving the step of adding urea to the resinous reaction mixture after a major proportion of water has been removed and continuing the reaction until two molecules of water for each combined molecule of urea have been removed.

Pat. 2,276,176. Copolymers of Esters of Alpha-Methylene Open Chain Aliphatic Monocarboxylic Acids With Frosting Oil. Mar. 10, 1942. Interpolymers of methacrylic esters and preformed, heat-blended tung oil-varnish resin varnishes.

Pat. 2,279,764. Process for Distillation. Apr. 14, 1942. Apparatus for carrying out the solution/alcoholysis process for making alkyd resins.

Pat. 2,280,862. Coating Composition and Method of Preparation. Apr. 28, 1942. The process of preparing modified oils and resinous materials which comprises refluxing fatty unsaturated non-hydroxylated oils containing substantially no conjugation, and maleic acid esters of unsaturated alcohols.

Pat. 2,313,799. Coating Composition. Mar. 16, 1943. An air-drying alkyd resin enamel containing cyclohexene oxide, isobutylene oxide, pentene oxide and hexene oxide.

Pat. 2,321,627. Phenol-Formaldehyde Resin. June 15, 1943. Resinous products from formaldehyde and di(hydroxyaryl) alkanes.

Pat. 2,343,483. Interpolymers of Styrene and the Reaction Product of Maleic Esters and Relatively Non-Conjugated Drying Oils and Process of Preparing the Same. Mar. 7, 1944. The process of preparing resinous materials suitable for preparing varnishes and the like which comprises interpolymerizing styrene and a linseed oil-diallyl maleate reaction product and the products resulting therefrom.

Pat. 2,346,858. Interpolymer. Apr. 18, 1944. Interpolymers of vinyl esters and the heat-reaction products of Chinawood oil and selected types of alpha, beta-ethylenically unsaturated compounds, such as acids and esters.

Pat. 2,358,235. Hydrogenation of Rosin Compounds. Sept. 12, 1944. Process for the hydrogenation of abetic acid.

Pat. 2,374,077. Resins Obtained From Ureas and Alkylol Amines. Apr. 17, 1945. Dilute hydrochloric acid soluble urea-amine resin prepared by condensing a bis alkoxymethyl urea with an alkylolamine having at least two and not more than three hydroxyl groups, each of which is separated from the amino nitrogen by at least two carbon atoms.

Pat. 2,374,598. Alkyd Resins. Apr. 24, 1945. Hydroxyacetic acid-linseed oil modified alkyd resins.

Pat. 2,389,682. Ketone-Urea-Formaldehyde Condensation Products. Nov. 27, 1945. A modified urea-formaldehyde resin prepared by condensation of dimethylol urea, a methylol ketone, a lower aliphatic monohydric alcohol in the presence of an acidic catalyst, said ketone comprising the reaction product of formaldehyde and a methyl allyl ketone.

Pat. 2,395,550. Modified Alkyd Resins. Feb. 26, 1946. Coating compositions comprising a fatty oil modified alkyd resin and an organic solvent soluble ester of a lower, saturated, aliphatic alcohol and a polysilicic acid, said ester containing unesterified silicic acid hydroxyl groups.

Pat. 2,401,769. Synthetic Drying Oils. June 11, 1946. Copolymers of furylethylene and drying or semi-drying fatty oils.

Pat. 2,401,776. Resinous Reaction Products of Polyhydric Alcohols and Alpha-Methylene Aldehydes. June 11, 1946. Resinous condensation products of unsaturated aldehydes and selected polyhydric alcohols.

Pat. 2,411,954. Treatment of Polyunsaturated Esters With Polythiols and Products Produced Thereby. Dec. 3, 1946. A polyunsaturated ester such as cellulose acetate-methacrylate heated with a monomeric hydrocarbon thiol to form a new insoluble substance.

Section 15

Compositions for Treatment of Automotive Cooling Systems

Pat. 2,293,546. Leak-Sealing Composition. Aug. 18, 1942. A stop-leak composition for automobile radiators comprising a dispersion of a resin formed by reacting a partial ester of a polyhydric alcohol and a fatty acid with at least twice as much rosin as is necessary to react with the remaining free hydroxyl groups of the partial ester.

Pat. 2,315,321. Leak-Sealing Composition. Mar. 30, 1943. A stop-leak composition for automobile radiators containing water, a mucilaginous binder, a resin, a fibre, sodium silicate and a water soluble phosphate salt.

SCHEDULE 5

Patents Relating to Ammonium Phosphate and Sulfate

Pat. 1,989,124. Process of Making Ammonium Sulfate. Jan. 29, 1935. Producing ammonium sulfate by contacting sulfur dioxide, ammonia and oxygen containing gases with nitrogen oxides as a catalyst.

Pat. 2,031,909. Soldering Flux. Feb. 25, 1936. Thermally decomposable phosphate, specifically diammonium phosphate, as soldering flux.

Patents Relating to Chlorosulfonates and Chlorine

Pat. 2,218,729. Process for the Production of Chlorosulfonates. Oct. 22, 1940. Metal or ammonium chloride vaporized, then condensed; then SO_3 added to form $NaClSO_3$ etc. Suspend salt in a gas and then react with SO_3 to make $NaClSO_3$.

Pat. 2,219,103. Process of Manufacturing Alkali and Ammonium Chlorosulfonates. Oct. 22, 1940. Grind NaCl and pass SO_3 thru to form chlorosulfonate.

Pat. 2,240,920. Sulfonation of Organic Compounds. May 6, 1941. Reaction of sodium chlorosulfonate with unsaturated organic compounds.

Pat. 2,259,248. Processes for the Production of Sulfuryl Chloride. Oct. 14, 1941. Sodium chlorosulfonate heated at 500–600° C.—passed thru active carbon to produce sulfuryl chloride. $2NaClSO_3$—$Na_2SO_4 + SO_2Cl_2$.

Pat. 2,276,041. Method of Manufacturing Chlorosulfonates. Mar. 10, 1942. HCl or SO_3HCl used as catalyst in producing chlorosulfonates by attrition of a chloride with SO_3.

Pat. 2,312,413. Manufacture of Fluosulfonates. Mar. 2, 1943. Fluosulfonates are prepared by grinding fluorides in SO_3 or by suspending ground fluorides in SO_3. Calcium fluosulfonate is claimed per se as is its preparation broadly.

Pat. 2,375,000. Manufacture of Sodium Sulfate and Chlorine. May 1, 1945. SO_3 and NaCl reacted in space reactor.

Pat. 2,375,001. Manufacture of Chlorine and Sodium Sulfate. May 1, 1945. Separation of SO_2 and Cl_2, oxidize the SO_2 and liquefy and fractionate the resulting Cl_2—SO_2 mixture.

Pat. 2,375,002. Process for Making Sodium Sulfate and Chlorine. May 1, 1945. Separation of SO_2 and Cl_2 oxidation and absorption of SO_3—vanadium catalyst.

Pat. 2,375,011. Manufacture of Chlorine. May 1, 1945. Separation of SO_2 and Cl_2—selective sorption of SO_2 on activated silica gel.

Pat. 2,381,876. Process of Separating Sulphur Dioxide and Chlorine by Distillation. Aug. 14, 1945. Mixtures of chlorine and sulphur dioxide are separated by successive distillations at different pressures.

Pat. 2,401,644. Method for Producing Chlorine. June 4, 1946. Separation of SO_2 and Cl_2—one component is removed as sulfuryl chloride.

Patents Relating to Electroplating Products

Pat. 1,963,302. Spark Plug. June 19, 1934. Cadmium plated spark plug.

Pat. 2,058,684. Anode. Oct. 27, 1936. Gear-like anode and basket.

Pat. 2,058,702. Anode. Oct. 27, 1936. Hollow anode like cylinder used in basket.

Pat. 2,080,479. Plating of Zinc. May 18, 1937. Rhenium or manganese used in zinc plating baths.

Pat. 2,080,483. Electrodeposition of Zinc. May 18, 1937. Thiourea and substituted thioureas as addition agents for zinc plating with Group VIII, series 4: iron, cobalt, nickel.

Pat. 2,085,754. Addition Agents for Nickel Plating. July 6, 1937. Aldehydes and ketones and cyanide reaction products as addition agents for nickel.

Pat. 2,086,224. Anode. July 6, 1937. Ball anodes move down support as they are used and are so caused to rotate.

Pat. 2,086,226. Plating Apparatus. July 6, 1937. Apparatus rotates record partly immersed in plating solution:—rubs with squeegee to get cadmium coating for sound recording.

Pat. 2,149,344. Apparatus and Process for the Study of Plating Solutions. Mar. 7, 1939. Effect of an infinite number of C. D.'s determined by placing anode at angle in test cell.

Pat. 2,154,451. Bright Dip. Apr. 18, 1939. Zinc bright dip acidic hydrogen peroxide.

Pat. 2,154,455. Cadmium Bright Dip. Apr. 18, 1939. Hydrogen peroxide + acid or acidulous salt as bright dip for Cd.

Pat. 2,154,468. Bright Dip. Apr. 18, 1939. Peroxygen compounds + acid material (specifically $H_2O_2 + H_2SO_4$) as bright dip for cadmium.

Pat. 2,154,469. Bright-Dip. Apr. 18, 1939. Oxidizing solution with pH below 7 as bright-dip for zinc.

Pat. 2,164,924. Electroplating. July 4, 1939. Add gypsum to cyanide electroplating baths to remove sodium carbonate.

Pat. 2,214,331. Electrodeposition of Zinc. Sept. 10, 1940. Zinc-calcium anode. Calcium decreases efficiency of anode in cyanide bath.

Pat. 2,277,664. Zinc Plating Ferrous Articles. Mar. 31, 1942. Treat malleable or cast iron prior to plating with Zn or Cd. Wash in HF then in NaCN.

Pat. 2,277,668. Zinc Plating. Mar. 31, 1942. Glycollic acid and its salts as addition agents for sodium zincate plating baths.

Pat. 2,297,766. Anode Production. Oct. 6, 1942. Nickel anodes are quenched with sulfuric acid which may or may not include hydrochloric acid.

Pat. 2,312,097. Electroplating. Feb. 23, 1943. Sulfite cellulose waste together with an aromatic sulfonic acid, preferably methyl naphthalene nickel sulfonate, used as addition agents for bright nickel plating.

Pat. 2,315,607. Anode. Apr. 6, 1943. Solubility of anode metal (copper) decreased by including magnesium in the anode.

Pat. 2,318,592. Electrodeposition. May 11, 1943. Use sulfamate electrolyte for electrodeposition. Sulfamates of nickel, copper and lead.

Pat. 2,351,639. Electroplating. June 20, 1944. Polyhydric alcohols specifically glycerine used as an addition agent in black molybdenum plating.

Pat. 2,372,032. Process for Producing Fluorides. Mar. 20, 1945. Sodium fluostannate sludge from a fluoride-tin bath can be reduced by the use of various reducing agents such as molten tin.

Pat. 2,374,289. Electroplating. Apr. 24, 1945. Copper cyanide is used as an addition agent for acid-copper plating baths.

Pat. 2,380,044. Process for Producing Electrodeposits. July 10, 1945. Black deposits produced from ammonium molybdate baths which may contain Ni, Co. Sn, or Zn.

Pat. 2,402,185. Tin Electrodepositing Composition and Process. June 18, 1946. A soluble thiocyanate is used alone or in combination with a ferricyanide or ferrocyanide to stabilize a stannous electrodepositing bath.

Pat. 2,407,489. Electrodeposition of Zinc. Sept. 10, 1946. Electroplating zinc with an anthraquinone sulfonate as addition agent.

Pat. 2,407,579. Electrodeposition of Tin. Sept. 10, 1946. Stannous chloride-alkali fluoride composition for electroplating tin.

Pat. 2,417,133. Electrodepositing and Heat-Treating Molybdenum-Oxygen Deposits. Mar. 11, 1947. Electroplating an oxygen compound of molybdenum from a molybdenum-nickel bath and then heating the deposit to improve adherence and resistance to abrasion.

Pat. 2,417,203. Electroplating Nickel. Mar. 11, 1947. Electroplating bath containing nickel sulfate-nickel chloride electrolyte with sulfurized gelatine as addition agent.

Pat. 2,426,416. Electroplating Nickel. Aug. 26, 1947. Electroplating nickel from a specific nickel chloride-nickel sulfate bath containing metasulfobenzaldehyde as addition agent.

Pat. 2,427,280. Nickel Electroplating Composition. Sept. 9, 1947. Electroplating nickel from a nickel chloride-nickel sulfate bath containing 2-phenyl ethylene sulfonic acid as addition agent.

Pat. 2,430,304. Anodizing Iron Group Metals in Lead Sulfamate Bath. Nov. 4, 1947. Anodically treating iron group metals with a lead sulfamate solution to produce coatings.

Patents Relating to Hydrochloric Acid and Salt Cake

Pat. 2,086,206. Production of Salt Cake and Hydrogen Chloride. July 6, 1937. Salt cake HCl furnace direct heat applied above pot-combustion gases go along top of muffle—then back to heat bottom of pot.

Pat. 2,127,571. Absorption of Hydrochloric Acid in Liquids. Aug. 23, 1938. HCl absorbed and drawn into absorber by entraining it at venturi with jet of absorbing medium.

Pat. 2,206,528. Manufacture of Hydrochloric Acid. July 2, 1940. Water introduced into HCl gas so that SO_2 is oxidized in liquid. Best done by spraying coke of coke box.

Pat. 2,213,544. Manufacture of Chemically Pure Hydrochloric Acid. Sept. 3, 1940. Free Cl in HCl removed by adding hydrogen and passing over heated catalyst.

Pat. 2,213,556. Manufacture of Hydrochloric Acid. Sept. 3, 1940. Coke-box acid returned to scrubber where it is stripped of HCl. No furnace acid produced.

Pat. 2,220,570. Hydrochloric Acid Absorption. Nov. 5, 1940. Air dilution of HCl gas prior to absorption. Ambient air effects cooling.

Pat. 2,287,094. Muffle Furnace. June 23, 1942. Insulation applied at bottom of hearth of muriatic furnaces to reduce scaling of salt cake. Hot gases passing under the hearth are caused to diverge under the pot.

Pat. 2,303,537. Production of Hydrogen Chloride. Dec. 1, 1942. Muriatic and chlorosulfonic acid are mixed to produce a dry HCl gas.

Patents Relating to Inhibitors and Metal Pickling Compositions

Pat. 1,905,915. Condensation Product of Cinchona Bark Alkaloids With Thiuram Sulphides as Inhibitors. Apr. 25, 1933. Condense cinchona bark with thiuram sulfide as pickling inhibitor.

Pat. 1,923,055. Aldehydeamine Cinchona Bark Alkaloid Inhibitors. Aug. 15, 1933. Cinchona bark alkaloid reacted with aldehydeamine specifically acetaldehydeaniline.

Pat. 1,923,056. Condensation Product of Cinchona Bark Alkaloids With Thiuram Sulfides. Aug. 15, 1933. Condensation of cinchona bark alkaloid with thiuram sulfide.

Pat. 1,923,057. Aldehydeamine Cinchona Bark Alkaloid Condensation Product. Aug. 15, 1933. Condensation of cinchona bark alkaloid and aldehydeamine compound per se.

Pat. 1,949,921. Cleaning and Protecting Metals Against Rusting. Mar. 6, 1934. Metal cleaning and rust preventive solution containing phosphoric acid and isopropyl ether.

Pat. 1,957,488. Acid Inhibitor. May 8, 1934. React aldehyde, a primary or secondary amine and carbon bisulfide to make acid inhibitor.

Pat. 1,992,045. Phosphoric Acid Metal Cleaning and Rust Preventing Solution. Feb. 19, 1935. Metal cleaning and rust preventive solution containing phosphoric acid, a sulfonated oil and alcohol.

Pat. 2,031,895. Carboxylic Acid Derivatives of Sulfurized Cinchona Bark Alkaloids. Feb. 25, 1936. Pickling inhibitor composition reacts concentrated carboxylic acid upon sulfurized cinchona bark alkaloid.

Pat. 2,044,956. Inhibitor and Process Employing the Same. June 23, 1936. Pickling inhibitors comprising quinazoline derivatives—viz. thioquinazolines.

Pat. 2,070,487. Metal Cleaning. Feb. 9, 1937. Add sulfonated alcohols to phosphoric acid for rustproofing.

Pat. 2,071,966. Pickling Inhibitor and Process. Feb. 23, 1937. Dimethylcyclohexylthiourea-inhibitor.

Pat. 2,071,989. Inhibitor for Pickling and Cleaning Solutions. Feb. 23, 1937. Grain steep water, sulfurized and thio sulfate treated steep water, as inhibitor for metal pickling.

Pat. 2,072,003. Condensation Products of Cinchona Bark Alkaloid. Feb. 23, 1937. Condensation product of cinchona bark alkaloids, or their sulfurization products, with aldehydes or ketones.

Pat. 2,072,004. Cinchona Bark Alkaloid Derivative. Feb. 23, 1937. Carboxylic acid derivatives of cinchona bark alkaloids and sulfurization products of the same: as inhibitors.

Pat. 2,097,512. Inhibitor. Nov. 2, 1937. Cinchona bark is sulfurized in presence of concentrated sulfuric acid to make a completely soluble inhibitor.

Pat. 2,111,227. Inhibitor. Mar. 15, 1938. Quaternary cinchona bark alkaloid derivatives—Lorol quinoidinium chloride, benzyl quinoidium thiocyanate, reaction of quinoidine with dichloro-diethyl ether, etc. as inhibitor.

Pat. 2,127,147. Metal Cleaning and Pickling. Aug. 16, 1938. React aldehyde as croton aldehyde, with $(NH_4)_2S$: dissolve product in concentrated H_2SO_4 as inhibitor.

Pat. 2,165,852. Process and Bath for Cleaning Metals. July 11, 1939. Phenol aldehyde-ammonia condensation products including amines if desired used as acid inhibitors.

Pat. 2,383,800. Metal Cleaning Composition and Process. Aug. 28, 1945. The residue of the ether extraction of fermentation lactic acid made from starch or molasses is an inhibitor. This is used with hydrochloric acid or other mineral acids and may contain also oxalic acid.

Pat. 2,402,596. Pickling Solution for Metals. June 25, 1946. Metal pickling baths containing polyhydroxy-thiols such as thiosorbitol.

Patents Relating to Insecticides, Fungicides and Bactericides

Pat. 1,911,867. Combined Fungicide and Insecticide. May 30, 1933. Fungicidal and insecticidal dust containing sulfur, manganese and arsenate and an amphoteric adhesive, e. g. aluminum sulfate.

Pat. 1,911,868. Fungicide. May 30, 1933. Fungicidal dust containing sulfur and an amphoteric substance, e. g. aluminum sulfate, zinc sulfate.

Pat. 1,915,334. Fluosilicate of Organic Heterocyclic Bases and Processes of Making It. June 27, 1933. Organic heterocyclic base reacted with fluosilicic acid to give new compound.

Pat. 1,917,463. Fluosilicates of Organic Aliphatic Bases. July 11, 1933. Fluosilicates of organic aliphatic base as new compound.

Pat. 1,931,367. Noncorrosive Insecticidal Compositions. Oct. 17, 1933. Noncorrosive insecticidal composition containing barium fluosilicate and a neutral fluoride having the property of imparting to water suspension a pH of 4.0 plus.

Pat. 1,955,891. Parasiticides and Methods of Mothproofing. Apr. 24, 1934. Fluornaphthalenes, fluor diphenyls, fluoranilides, fluorphenols, fluoracetic acid and phenylfluoroform as parasiticides.

Pat. 1,961,840. Insecticide. June 5, 1934. Thiazoles. An insecticide comprising an organic substance containing in its molecule a five membered ring composed of three carbons, one sulfur, and one nitrogen atom, one of said carbon atoms carrying a salt forming group.

Pat. 1,962,109. Fungicides and Bactericides. June 5, 1934. Thiazoles for wood preserving specifically mercaptobenzothiazole.

Pat. 1,984,305. Making Arsenate of Lead. Dec. 11, 1934. Producing lead arsenate by adding kerosene to the suspension before filtering and drying.

Pat. 1,992,053. Oxidation of Arsenious Acid. Feb. 19, 1935. Producing arsenic acid by oxidizing arsenious acid with air at superatmospheric pressure and at 100° C. + with oxidation promoting catalyst, e. g. iodine.

Pat. 1,993,040. Parasiticide Derived From Higher Alcohols. Mar. 5, 1935. Parasiticide compound R-(CNX), R being aliphatic and CNX being thiocyanate or isothiocyanate.

Pat. 2,006,227. Contact Insecticide. June 25, 1935. Contact insecticide composition lecithin and dispersing agent specifically butyl alcohol or sulfonates fish oil.

Pat. 2,030,093. (Re. 20,869). Parasiticides. Feb. 11, 1936. Parasiticide compounds lauryl alcohol, lauryl esters and lauryl amines. Specifically lauryl xanthate.

Pat. 2,044,934. Insecticidal Spray Materials. June 23, 1936. Insecticide compound RmPbXn R—unsaturated hydrocarbon, X—acid radical, m—at least 2, n—at least 1, m + n = 4. Specifically triethyl lead oleate.

Pat. 2,058,664. Barium Fluosilicate. Oct. 27, 1936. React BaS with H_2SiF_6 to leave excess of neither, decant off liquid and SiO_2 and dry precipitant.

Pat. 2,062,911. Insecticidal Compositions and Processes Using the Same. Dec. 1, 1936. Salts of Reineche's acid as stomach poisons.

Pat. 2,075,359. Insecticide. Mar. 30, 1937. Insecticidal compositions comprised of the fluosilicates of organic bases.

Pat. 2,098,942. Protection of Materials Subject to Parasitic Attack. Nov. 16, 1937. Salts of amino-polymers, especially "Daktose," as fixatives for parasiticides.

Pat. 2,112,381. Stabilized Parasiticidal Compositions. Mar. 29, 1938. Prevent atmospheric inactivation of thiodiarylamines. Specifically uses phenolic compound or aromatic amine.

Pat. 2,112,688. Fly Spray. Mar. 29, 1938. Decyl thiocyanate and a fly spray comprising same, also fly spray comprising mixtures of alkyl-thiocyanates in which the alkyl radical contains 8 to 14 carbon atoms.

Pat. 2,122,781. Parasiticides. July 5, 1938. Naphthenyl thiocyanate, alicyclic terpene thiocyanates, cyclic terpene thiocyanates and insecticidal compositions containing same.

Pat. 2,123,928. Stabilized Parasiticidal Composition. July 19, 1938. Reducing derivative of stable, lower sulfur acid used to stabilize thiodiphenylamine.

Pat. 2,123,929. Photochemically Stabilized Thio-Diarylamine Parasiticidal Composition. July 19, 1938. Thiodiarylamine stabilized against photochemical inactivation by use of ultra violet opacifier.

Pat. 2,146,007. Alkylated Resorcinol. Feb. 7, 1939. Decyl resorcinol, its preparation, and germicidal compositions containing it.

Pat. 2,149,332. Wood Preservation. Mar. 7, 1939. Zinc chloride + sodium dichromate—insoluble residue dissolved by adding chromic acid.

Pat. 2,150,601. Long Chain Alkyl Quaternary Ammonium Fluosilicates. Mar. 19, 1939. Long chain quaternary ammonium fluosilicates and use as pesticides.

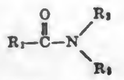
Pat. 2,154,433. Process for Preserving Wood. Apr. 18, 1939. Treat wood with steam to "fix" chromated zinc chloride.

Pat. 2,163,104. Chemical Compounds. June 20, 1939. Amino polymer fluosilicates and use as insecticides.

Pat. 2,165,030. Pest Control Composition. July 4, 1939. Equimolar-sulfurized nicotine and its use as pesticide.

Pat. 2,166,118. Insecticide Compositions Containing Heterocyclic Amides. July 18, 1939. Insecticide composition. A carboxylic acid amide having a heterocyclic radical and an aliphatic hydrocarbon residue of at least six carbon atoms.

Pat. 2,166,119. Insecticide. July 18, 1939. Insecticide fly sprays—



R_1, R_2, and R_3 are hydrogen and an aliphatic radical—at least one R having at least 8 carbon atoms.

Pat. 2,166,120. Insecticidal Composition. July 18, 1939. Acid amide + pyrethrum fly spray.

Pat. 2,166,246. Manufacture of Calcium Arsenate. July 18, 1939. Fast mixing and improved control in reacting arsenic acid with lime to produce calcium arsenate low in CO_2-water soluble arsenic.

Pat. 2,194,517. Contact Insecticide. Mar. 26, 1940. Negatively substituted alkyl thiocyanates as insecticides.

Pat. 2,204,066. Preservation of Fibrous Cellulosic Material. June 11, 1940. Treat wallboard pulp with sodium dichromate-zinc chloride.

Pat. 2,208,253. Insecticidal and Fungicidal Composition. July 16, 1940. Copper propional acetonate, copper acetyl acetonate insecticides and fungicides.

Pat. 2,218,181. Pest Control. Oct. 15, 1940. The fungicides of this invention comprise certain esters of maleic and fumaric acids such as diethyl maleate, dimethyl fumarate and diallyl fumarate.

Pat. 2,220,156. Condensation Process and Product. Nov. 5, 1940. Reacting formaldehyde, an ammonium salt and a soluble sulfide to produce the compound $C_6H_{12}N_2S_3$ melting at 183°, useful as a fungicide.

Pat. 2,228,096. Insecticidal Composition. Jan. 7, 1941. "Loro" tobacco dust bentonite mixture.

Pat. 2,262,454. Pest Control. Nov. 11, 1941. Rosin residue dissolved in ethyl alcohol + a wetting agent makes spreader-sticker which promotes good suspension.

Pat. 2,263,254. Fatliquoring Process. Nov. 18, 1941. Leather preserved with phenyl mercury oleate dispersed in fat liquor.

Pat. 2,273,664. Pest Control. Feb. 17, 1942. Ammonia + hydrogen sulfide + formaldehyde reaction product as fungicide and bactericide. Formothialdine, pentamethylene-diaminodisulfide, 3,7-dithia-1,5-diazabicyclo (3.3.1) nonane.

Pat. 2,277,660. Process for Preserving Wood. Mar. 31, 1942. Zinc meta arsenite fixed in wood by heating with steam.

Pat. 2,277,680. Insecticide. Mar. 31, 1942. Insecticidal composition containing a sulfurized N,N-diaryl-arylenediamine in which at least one aryl group is linked to the arylene group in a 1,4-thiazine ring.

Pat. 2,285,184. Pest Control. June 2, 1942. Pest control compositions containing 1-allyl-3-phenyl-thiourea.

Pat. 2,285,409. Pest Control. June 9, 1942. 1,2,4-dithiazoles used for pest control. Specifically xanthane hydride and phenyl thiuret.

Pat. 2,285,410. Pest Control. June 9, 1942. 1,2,4-thiadiazoles used for pest control. Specifically perthiocyanates.

Pat. 2,287,235. Pest Control. June 23, 1942. Cupric chelates of o-(alpha-oxoalkyl)-phenols as fungicides, specifically cupric chelates of salicylaldehyde.

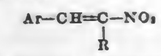
Pat. 2,287,249. Chlorine Derivatives of Benzyl Phenyl Ether. June 23, 1942. A polychlorinated benzyl phenyl ether e. g. trichlorobenzyl phenyl ether.

Pat. 2,307,775. Pest Control. Jan. 12, 1943. N-diethylamines as mothproofing agents, specifically dimethyl cetyl amine, dimethyl stearyl amine, and dimethyl stenyl amine.

Pat. 2,310,789. Linear Polymeric Amidine Salts. Feb. 9, 1943. Linear polymeric amidine salts.

Pat. 2,310,799. Pest Control Composition. Feb. 9, 1943. Pest control compositions containing linear polymeric amidine salts.

Pat. 2,335,384. Pest Control. Nov. 30, 1943. Aryl nitroethylene pesticides



Ar is aromatic, substituted or unsubstituted, R is hydrogen or lower alkyl group.

Pat. 2,336,605. Pesticide. Dec. 14, 1943. Bactericides and fungicides containing linear polymeric guanidine salts.

Pat. 2,342,448. Pest Control. Feb. 22, 1944. 1,6-dithiocyanohexane, 1,10-dithiocyanodecane and dithiocyanoisooctane are potential fly spray candidates.

Pat. 2,347,260. Pest Control. Apr. 25, 1944. Fly spray containing N-isobutylundecyleneamide, pyrethrum, and octyl thiocyanate.

Pat. 2,347,393. Pest Control. Apr. 25, 1944. Polyaryl ethers and thiol ethers as insecticides. Diphenyl ether of hydroquinone and its chlorinated derivatives.

Pat. 2,347,827. Linear Polymeric Isothiourea and Salts Thereof. May 2, 1944. Linear polymeric isothioureas, their acid addition salts and pesticides containing them.

Pat. 2,364,074. Carbonamidine Derivatives. Dec. 5, 1944. Polymethylene-bis-C-(long chain amidine) salts.

Pat. 2,364,075. Disinfectant Compounds. Dec. 5, 1944. Polymethylene-bis-N-(long chain amidine) salts.

Pat. 2,365,047. Pest Control. Dec. 12, 1944. Phenyl xenyl ethers are used as pesticides particularly mothproofing and as a stomach poison.

Pat. 2,377,626. Pest Control. June 5, 1945. Ammonium sulfamate for the control of nematodes.

Pat. 2,387,336. Pest Control. Oct. 23, 1945. Pest control adhesive composition comprising a water insoluble aliphatic amine of at least eight carbon atoms in a linear chain and a cationic dispersing agent.

Pat. 2,388,614. Disinfectant Compositions. Nov. 6, 1945. Bactericides containing long chain basic nitrogen compounds, e. g. amidines and long chain betaines.

Pat. 2,392,733. Mothproofing. Jan. 8, 1946. Polychlorinated benzyl phenyl ethers as mothicides, e. g. trichlorobenzyl phenyl ether.

Pat. 2,402,530. Chemical Process. June 25, 1946. N-isobutyliricinoleamide and its manufacture.

Pat. 2,402,541. Chemical Process. June 25, 1946. Isobutyl undecylenamide prepared by first reacting the castor oil to produce N-isobutyl ricinoleic amide which can then be cracked to give high yields of the undecylenic acid amide and heptaldehyde.

Pat. 2,402,584. Chemical Process. June 25, 1946. Crack N-isobutyl ricinoleic amide to N-isobutylamide of undecylenic acid and heptaldehyde. Form the ricinoleic amide by reflux with excess isobutylamine sufficient to control temperature.

Pat. 2,411,253. Pest Control. Nov. 19, 1946. Compositions containing an acyclic alpha-alamino sulfide useful for pest control.

Pat. 2,420,295. 4,4'Dichlorodiphenyl-1,1,1-Trichlorethane Dispersed in Polyvinyl Acetate. May 13, 1947. Compositions containing DDT dispersed in water solution of hydrolyzed polyvinyl acetate. Useful as insecticide.

Pat. 2,430,288. Hydrophobic Insecticidal Powder. Nov. 4, 1947. Compositions with water repellent properties containing DDT and tricalcium phosphate and an aliphatic amine.

Pat. 2,430,576. Pest Control Composition and Method. Nov. 11, 1947. Pest control composition containing a toxic and a long chain aliphatic amine to impart hydrophobic properties.

Pat. 2,433,106. 2,4-Dinitrophenyl Thiocyanate as a Fungicide. Dec. 23, 1947. Fungicidal composition containing 2,4-dinitrophenyl thiocyanate, mineral oil and an aromatic hydrocarbon solvent.

Patents Relating to Iron Sulfate

Pat. 2,086,237. Manufacture of Ferric Sulfate. July 6, 1937. SO_3 passed over iron sulfate to oxidize to ferric sulfate.

Pat. 2,196,584. Manufacture of Ferric Sulfate. Apr. 9, 1940. Ferric sulfate made by oxidizing ferrous sulfate slurry with HNO_3 above 60° C. May be under pressure. Nitrogen oxides oxidized and recovered as NHO_3.

Patents Relating to Lactic Acid

Pat. 2,013,082. Deodorization of Lactates. Sept. 3, 1935. Purify lactic acid or derivatives by passing ozone thru it.

Patents Relating to Lithium Salts

Pat. 2,021,986. Production of Pure Lithium Compounds From Impure Solutions. Nov. 26, 1935. Treat Li, Na, K solutions with alkali metal silicate to precipitate Li as silicate, then dissolve in acid.

Pat. 2,021,987. Recovery of Values From Lithium Bearing Ores. Nov. 26, 1935. Dissolve Li, Na, and K values from ore-precipitate Li as carbonate, separate precipitate, cool solution to separate Na and K values, return solution containing Li, Na, and K to the leaching step.

Pat. 2,021,988. Production of Lithium Compounds. Nov. 26, 1935. Precipitate Li as carbonate—preferentially dissolve Li in acid. Solution of carbonate precipitate treated to precipitate Li as Li_3PO_4 and Li returned to an ore leaching step.

Pat. 2,022,003. Recovery of Lithium Values From Lithium Bearing Ores. Nov. 26, 1935. Calcine Li ore with $CaCl_2$ to solubilize Li values.

Patents Relating to Nitric Acid

Pat. 1,927,963. Catalyst for Ammonia Oxidation. Sept. 26, 1933. Catalyst for ammonia oxidation compound screen of rhodium or rhodium-platinum alloy.

Pat. 1,994,499. Engraver's Etching Acid of Increased Efficiency. Mar. 19, 1935. Etching acid contains HNO_3 and dissolved Cu, Ag, or Pt.

Pat. 1,994,500. Etching Zinc Plates. Mar. 19, 1935. Etching compound HNO_3 and carboxylic acid, specifically citric, or tartaric. Also their sulfonic acids or saccharids.

Pat. 2,000,576. Mordant. May 7, 1935. Engravers HNO_3 containing ammonium sulfate.

Patents Relating to Pigments

Pat. 2,006,219. Blanc Fixe. June 25, 1935. React barium sulfide and ammonium sulfate to leave no excess of either, wash, dry to volatilize absorbed ammonium sulfide.

Pat. 2,044,954. Alkaline Earth Metal Sulphate. June 23, 1936. React soluble alkaline earth metal compound and a soluble sulfate in presence of a dispersing agent. Specifically soap or goulac and an anion specifically sodium meta phosphate.

Pat. 2,139,013. Pigments. Dec. 6, 1938. Leaded zinc oxide calcined with phosphatic material in furnace having a non-siliceous lining.

Pat. 2,194,526. Paint. Mar. 26, 1940. A basic lead sulfate with a $PbO : PbSO_4$ ratio above 2 : 1, specifically 2 : 1 or 3 : 1 or 4 : 1. This is used in a paint with a drying oil vehicle to improve consistency.

Patents Relating to Plant Regulants and Herbicides

Pat. 2,284,002. Composition and Method (Plant Stimulant). May 26, 1942. Alkali salts of naphthyl-alkane sulfonates may be used as root growth stimulants. Sodium 1-naphthylmethane-sulfonate.

Pat. 2,297,904. Propagation. Oct. 6, 1942. 1,4-dihydronaphthalene-1,4-dicarboxylic acid as a plant growth stimulant.

Pat. 2,300,948. Composition and Method (Plant Stimulant). Nov. 3, 1942. Beta-(1-naphthyl)-ethanol as a plant growth stimulant.

Pat. 2,326,471. Composition and Method. Aug. 10, 1943. Haloaryl acids as plant growth stimulants.

Pat. 2,339,789. Process for Producing Beta-(1-Naphthoyl) Propionic Acid. Jan. 25, 1944. Beta-(1-naphthoyl)-propionic acid is prepared by reacting naphthalene and succinic acid in monochlorobenzene with aluminum chloride catalyst. Concentrated hydrochloric acid is added and the mixture purified.

Patents Relating to Refractories

Pat. 1,923,769. Refractory Material for Use in Metal Casting. Aug. 22, 1933. Baked refractory compound: sand, silicate and zinc oxide.

Pat. 1,999,382. Refractory Material for Use in Metal Castings and Process for Making the Same. Apr. 30, 1935. Bake sand, soluble silicate, and hydrated aluminum oxide.

Pat. 2,031,538. Process for Metal Casting. Feb. 18, 1936. Molds lined with sand the grains of which are bonded thru anhydrous unfused alkali metal silicate and an alkaline earth metal silicate, specifically calcium silicate.

Patents Relating to Resins and Polymers

Pat. 1,995,970. Polymeric Lactide Resins. Mar. 26, 1935. Polymerized lactide resins and process of making them.

Pat. 2,127,248. Process for Preparing Resinous Material and Product. Aug. 16, 1938. Polymerized lactic acid resins reacted with esterifying agents.

Pat. 2,241,900. Preparation of Modified Olefin-Sulphur Dioxide Polysulfones. May 13, 1941. Copolymers of olefins, SO_2 and vinyl-type compounds.

Pat. 2,261,002. Organic Nitrogen Compounds. Oct. 28, 1941. Polymeric quaternary ammonium compounds from ditertiary diamines and dihalides.

Pat. 2,268,620. Insoluble Ammonia-Hydrocarbon Dihalide Condensation Products. Jan. 6, 1942. Resins from polymethylene dihalides and ammonia or certain amines.

Pat. 2,286,726. Process of Flameproofing Cellulosic Material and Product Thereof. June 16, 1942. Flameproofing of polyethyleneimine treated cellulosic materials with fire retardant acids.

Pat. 2,348,705. Ethylene Sulfonyl Polymer. May 16, 1944. Monomeric and polymeric esters of ethylene sulfonic acid.

Patents Relating to Shipping Packages

Pat. 2,149,377. Apparatus for Capping Bottles. Mar. 7, 1939. Mechanism with a number of fingers used to stretch rubber cap evenly and apply it.

Pat. 2,149,378. Process of Packaging. Mar. 7, 1939. Rubber cap applied to bottle, molten paraffin injected inside cap with needle.

Patents Relating to Sodium Phosphates

Pat. 1,967,830. Mold Lubricant for Clay Products. July 24, 1934. In molding clay products, wetting the molds with an aqueous solution of the salt of a polyvalent weak acid, e. g. citric, phosphoric, boric.

Pat. 1,968,544. Phosphoric Acid Purification by Solvent Extraction. July 31, 1934. Extract H_3PO_4 with oxygenated cycloparaffin specifically cyclohexanone.

Pat. 2,165,948. Preparation of Soluble Phosphates. July 11, 1939. React calcium metaphosphate with sodium sulfate to make sodium phosphate.

Pat. 2,174,158. Phosphoric Acid Purification. Sept. 26, 1939. Sulfide, specifically Na_2S used to remove As and Pb from phosphates.

Pat. 2,204,357. Lamellar Trisodium Phosphate Hydrate. June 11, 1940. Thin voluminous TSP flakes made by adding sodium silicate to molten TSP—crystallization inhibited.

Pat. 2,204,358. Lamellar Trisodium Phosphate Hydrate. June 11, 1940. Thin TSP flake includes borax, abopon, etc. as crystallization inhibitors.

Pat. 2,204,364. Lamellar Trisodium Phosphate Hydrate. June 11, 1940. Thin TSP flake includes $SO_4 + CO_3$ as crystallization inhibitors.

Pat. 2,326,949. Formed Tetrasodium Pyrophosphate Composition and Process for Making Same. Aug. 17, 1943. Shotted or flaked TSP is prepared by dispersing in a fluid magma of TSP.

Pat. 2,326,950. Chemical Process and Product. Aug. 17, 1943. Water-softening and detergency is effected by successively using TSPP and then sodium borate, sodium metasilicate, or DSP.

Pat. 2,349,943. Process for Purifying Disodium Phosphate. May 30, 1944. In crystallizing disodium phosphate duohydrate insoluble impurities can be avoided by a preliminary treatment with a soluble barium salt which removes the impurities.

Pat. 2,375,054. Manufacture of Trisodium Phosphate. May 1, 1945. Silica is removed from TSP by the addition of sodium aluminate.

Pat. 2,381,960. Chemical Processes and Products. Aug. 14, 1945. Detergency or water-softening is effected with an alkali such as TSP, sodium hydroxide, sodium carbonate, sodium silicate, etc. and then TSPP.

Dedicated Patents

The following patents and applications held by United States Pipe and Foundry Company, having its principal place of business at Burlington, N. J., have been dedicated to the public of the United States.

Pat. 1,833,025. METHOD FOR HARDENING THE INNER SURFACE OF CYLINDRICAL METAL BODIES. Patented Nov. 24, 1931. Method is especially applicable for hardening the inner surfaces of centrifugal pipe molds. Mold is charged with a multitude of metal balls and then rotated so that balls leave contact with inner surface of mold and then strike opposite side. In this way inside of mold is subjected to hammering action from the balls until its entire inner surface is hardened to a desired point. Groups 33—21—22—23—24; 39—98.

Pat. 1,834,128. METHOD AND APPARATUS FOR IMPROVING THE TEXTURE OF HOLLOW METAL BODIES. Patented Dec. 1, 1931.

Pat. 1,856,874. MANUFACTURE OF CENTRIFUGAL PIPE MOLDS. Patented May 3, 1932.

Pat. 2,349,646. APPARATUS FOR RADIALLY CONTRACTING TUBULAR METAL BODIES. Patented May 23, 1944.

These three patents relate to reclaiming of old metal molds employed for centrifugally casting bell-ended pipes, and the manufacture of such molds which are formed of two or more welded sections. A mandrel is inserted in a welded mold or an old mold, and mold and mandrel inserted in a high-pressure cylindrical container, with packing forming fluid-tight joints between outer surface of mold and inner surface of container. Hydraulic pressure is then applied to exterior surface of mold to effect permanent radial contraction and simultaneous elongation of mold. The mandrel limits deformation of mold. In Pat. 2,349,646 the inventor claims that used molds may be reclaimed by this treatment in one operation. Groups 33—12—21—22—23—24; 39—98.

Pat. 1,845,127. CONVEYER MECHANISM. Patented Feb. 16, 1932. Endless conveyer for moving groups of pipes of different diameters through an annealing furnace has links of varying length connected end to end to form an endless chain for engaging sprocket wheels having link-engaging faces of multiple pitch. Unevenly spaced pipe-engaging fingers connected to the links extend upwardly through bottom of furnace and above runways to engage rear surface of pipes and roll them through furnace. Groups 33—12—21—22—23—24.

Pat. 1,849,072. RUNNER TROUGH FOR CENTRIFUGAL CASTING MACHINES. Patented Mar. 15, 1932. Runner for centrifugal pipe casting machines has longitudinally extending channels in its sides and bottom which are closed by a jacket embracing sides and bottom of runner. A cooling fluid is circulated through the channels. Group 33—12—31—22—23—24.

Pat. 1,856,863. PIPE ANNEALING FURNACE. Patented May 3, 1932. The runways of this furnace and the fingers of an endless conveyer are constructed and arranged so that groups of pipes being transported through furnace will not strike the fingers in front of them. The runways slant upwardly from entrance to exit end of furnace. The pipe-engaging ends of the fingers are formed with considerable rearward slant. The rear undersides of the pipes maintain constant contact with the slanting ends of the fingers as the fingers push and roll pipes forwardly on the runways through furnace. Group 33—12—25.

Pat. 1,856,890. PIPE JOINT PACKING. Patented May 3, 1932. Resilient packing ring for joints between bell and spigot-ended pipes consists of a fibrous ring thoroughly impregnated and saturated with a plastic compound which has the characteristics of partially liquefying when sufficiently heated and congealing at normal temperatures. Compound consists of a mixture of glue and glycerin having sufficient phenol added to render compound non-reactive to chemicals in fluids flowing through pipe. Groups 32—93; 33—24.

Pat. 1,890,498. RUNWAY FOR PIPES. Patented Dec. 13, 1932. Runway is especially adapted to receive hot cast pipes after removal from centrifugal pipe casting molds. Runway consists of a plurality of vertically adjustable pivoted frames having tracks extending upwardly from the frames on opposite sides of their pivotal lines of support. This permits frames and tracks to automatically adjust themselves under weight of a supported pipe so that all tracks are maintained in constant contact with pipe regardless of whether pipe is straight or not. Group 33—12—21—22—23—24.

Pat. 1,897,631. METHOD FOR CASTING PIPES. Patented Feb. 14, 1933.

Pat. 1,899,383. CENTRIFUGAL PIPE CASTING APPARATUS. Patented Feb. 28, 1933.

These two patents show a method and apparatus for centrifugally casting pipes. The speed of the mold is automatically increased during casting of the final end of a pipe to counteract the tendency of the metal to flow by gravity to lower end of mold during this stage of casting operation. This greatly diminishes objectionable thinning down of end of pipe. Groups 33—12—24; 36—19.

Pat. 1,903,220. FLANGE PROTECTOR. Patented Mar. 28, 1933. Protector prevents machine surface of flanged end of a pipe from becoming marred during handling. It consists of a metal disc (with a large hole in its center) for abutting face of pipe flange, and a metal ring for surrounding edge of flange. Bendable tabs welded at spaced points to margin of disc are adapted to be bent over ring and downwardly against back of pipe flange to hold assembly in place. Group 33—73.

Pat. 1,939,703. FEEDING DEVICE FOR FINELY DIVIDED MATERIAL. Patented Dec. 19, 1933.

Pat. 1,949,433. METHOD AND APPARATUS FOR CASTING PIPES CENTRIFUGALLY. Patented Mar. 6, 1934.

Pat. 1,954,892. CENTRIFUGALLY CAST CAST IRON PIPE. Patented Apr. 17, 1934.

Pat. 1,963,146. METHOD OF CASTING CENTRIFUGAL PIPES. Patented June 19, 1934.

Pat. 1,963,147. CENTRIFUGAL PIPE CASTING APPARATUS. Patented June 19, 1934.

Pat. 1,963,148. CENTRIFUGAL PIPE CASTING MACHINE. Patented June 19, 1934.

Pat. 1,963,149. CENTRIFUGAL PIPE CASTING APPARATUS. Patented June 19, 1934.

Pat. 1,963,150. CENTRIFUGAL PIPE CASTING MACHINE. Patented June 19, 1934.

Pat. 1,971,385. CAST IRON PIPE. Patented Aug. 28, 1934.

Pat. 1,982,762. METHOD FOR CASTING METALLIC ANNULI. Patented Dec. 4, 1934.

Pat. 2,018,025. METHOD OF CENTRIFUGALLY CASTING PIPE. Patented Oct. 22, 1935.

Pat. 2,162,829. MOLD COATING MECHANISM FOR METALLIC CENTRIFUGAL PIPE MOLDS. Patented June 20, 1939.

These twelve patents relate to methods and apparatus particularly adapted for centrifugally casting bell-ended pipes in which finely divided dry coating material is progressively applied to a rotating mold by directing a jet of dry air charged with the dry coating against adjacent areas of mold surface. Centrifugal force created by rotation of mold uniformly distributes the coating and holds it in place during the casting operation. The jet of air is discharged from a jet nozzle secured to one side of either runner or dump trough.

In Pat. 1,949,433 the charged jet progressively applies the coating in a helical band to mold slightly in advance of inflowing molten metal issuing from spout of runner so that the coating and casting operation are performed during a single outward run of the mold carriage.

In Pat. 1,963,149 entire mold is progressively coated as dump trough is projected into operative position within mold.

Pat. 2,162,829 has two jet nozzles secured to side of runner, one to coat bell end of mold and the other to coat remainder of mold.

Pat. 1,939,703 shows an adjustable dispensing device for uniformly charging the jet of air with coating material prior to its discharge from nozzle.

In Pat. 1,963,147 entire mold is coated immediately prior to dumping of molten metal from a dump trough into mold by directing the charged jet of air against successive longitudinal areas of mold. The jet of air is charged with coating material as it issues from nozzle by dumping coating material from a tiltable V-shaped container into path of jet before it contacts mold. Nozzle and container are almost as long as the mold to be coated. Group 33—12—21—22—23—24.

Pat. 1,953,180. CAST IRON ANNULUS AND METHOD OF MANUFACTURING THE SAME. Patented Apr. 3, 1934. This patent provides a method of annealing pipes of cast iron which consists of the following steps: (1) raising temperature of the pipes to a point above 1625° F. but not exceeding 1725° F. and maintaining the temperature at approximately 1700° F. for a definite period; (2) reducing temperature to a range between 1450° F. and 1350° F. and maintaining it within such range for a definite period; (3) further reducing the temperature to approximately 1200° F.; and (4) thereafter cooling to atmospheric temperature in any convenient way. Group 33—12—21—22—23—24.

Pat. 1,971,376. APPARATUS FOR COATING CENTRIFUGAL PIPE MOLDS. Patented Aug. 28, 1934. This patent shows an elongated tapered nozzle suitable for discharging a jet of air loaded with dry powdered coating material laterally from one side to coat a centrifugal pipe mold. The nozzle, formed with an elongated internal chamber, has three parallel rows of closely spaced holes in one side, the center row being staggered with respect to the other rows. Group 33—24.

Pat. 1,979,141. PIPE JOINT AND PIPE JOINT GASKET. Patented Oct. 30, 1934. Elastic and compressible tapered gasket for insertion into a joint between bell and spigot ends of pipes has its butt end embraced and reinforced with impregnated canvas so that it may be expanded into joint without injurious distortion. When an annular gland is forced inwardly to expand gasket, gasket is progressively expanded first into its tapered seat and then into firm contact between cylindrical portions of joint adjacent seat. Groups 30—31; 32—93.

Pat. 1,982,044. PIPE JOINT. Patented Nov. 27, 1934. In this pipe joint between bell and spigot ends of pipes an elastic and compressible gasket is expanded into its seat by an annular gland and molten metal poured into joint. Bell end of pipe and gland are formed with lugs so that, when metal solidifies, gland is firmly anchored in place. After solidification, split rings and bolts and a dam having a pouring gate are removed. Modification is shown for coupling cylindrical ends of pipes together. Groups 30—31; 32—93.

Pat. 1,986,985. COATED METALLIC CENTRIFUGAL PIPE MOLD. Patented Jan. 8, 1935. Metallic centrifugal pipe mold has a composite coating of dry, powdered material admixed with sand applied progressively to its inner surface by a carrier jet of air. Sand in deposited coating contacts surface of mold and contacts molten metal poured into mold. Inventor claims the sand is not sufficiently embedded in the finished casting to impair its smoothness, and that it may be easily brushed away. Group 33—12—21—22—23—24.

Pat. 1,988,470. CENTRIFUGAL PIPE CASTING APPARATUS. Patented Jan. 22, 1935.

Pat. 1,988,471. CENTRIFUGAL PIPE CASTING APPARATUS. Patented Jan. 22, 1935.

These two patents show an annular centrifugal pump secured to and surrounding a mold for rotation therewith to circulate fluid in water box to insure proper cooling of mold, especially bell end of mold to which a driving sleeve is connected. The space between driving sleeve and mold is divided by a partition into an inner and outer annular chamber so that pump will circulate water through the chambers and then back into box. In Pat. 1,988,471 intake end of pump is connected to an annular channel formed by the space between outer surface of mold and inner surface of a perforated bracing sleeve surrounding center of mold. Modification shown. Group 33—12—21—22—23—24.

Pat. 2,027,453. CENTRIFUGAL PIPE CASTING APPARATUS. Patented Jan. 14, 1936. This patent shows a chute for delivering molten metal to an aligned trough in which the interior curvature of the chute is such as to cause a stream of molten metal to flow through chute and trough with a minimum of turbulence. This greatly lessens tendency of stream flowing through chute to throw out sprays, and also reduces splashing of metal over edges of trough, which would result in defective castings. Diagrams illustrating convenient ways of laying out interior curvature of chute as well as examples of chutes of different size are given in patent. Group 33—12—21—22—23—24.

Pat. 2,032,576. PIPE JOINT. Patented Mar. 3, 1936. Pipe joint between bell and spigot ends of very large pipes may be caulked from inside pipe. Bell and spigot ends are slightly tapered and annularly grooved. A gasket lining of lead is cast into bell end of pipe at foundry. Spigot end is forced into bell end with a jamming fit. Gasket is then expanded by a caulking tool into grooves in spigot end. Group 33—24.

Pat. 2,128,327. METHOD AND APPARATUS FOR COATING MOLDS. Patented Aug. 30, 1938. In this patent particles of dry granular coating material entrained in a jet of air are electrically charged prior to contact with an electrically grounded rotating mold. The jet loaded with the coating material is passed through a field of high potential static electricity, which is preferably created and maintained between nozzle and inner surface of mold. Group 33—12—21—22—23—24.

Pat. 2,165,051. FLEXIBLE PIPE JOINT. Patented July 4, 1939. In this flexible joint of the ball and socket type the socket member has a seat in the form of a spherical segment to receive inner portion only of ball. Outer end of socket is flared to provide a packing chamber surrounding outer portion of ball. When a resilient gasket is expanded into packing chamber by edge of an annular gland, the gasket forms a compressed resilient seat for outer portion of ball. Groups 30—31; 32—9; 33—24.

Pat. 2,165,052. FLEXIBLE PIPE JOINT. Patented July 4, 1939. In this flexible joint of the ball and socket type the inner surface of socket member is spaced from ball member with a resilient gasket, of substantially I-shape in cross section, expanded in the space between them. An annular V-shaped spring is inserted between each pair of arms at opposite sides of gasket. Outer arms of gasket seat in an annular recess in socket member, and inner arms seat on ball member. The wedge-shaped inner edge of an annular gland is forced into outer spring of gasket to expand and hold gasket in place. Line pressure through joint will tend to exert lateral thrust upon gasket to increase tightness of joint. Groups 30—31; 32—93; 33—24.

Pat. 2,239,530. LINING COMPOSITION FOR CENTRIFUGAL CASTING MOLDS. Patented Apr. 22, 1941. This patent shows a coating composition of refractory material consisting of a mixture of fibrous particles and sand to form a sponge-like compressible lining for centrifugal pipe molds. Binding agents may be added to the lining if desired. Group 33—12—21—22—23—24.

Pat. 2,246,063. METHOD OF PRODUCING REFRACTORY LININGS OF CENTRIFUGAL CASTING MOLDS. Patented June 17, 1941.

Pat. 2,255,896. PROCESS FOR THE PRODUCTION OF CENTRIFUGAL CASTINGS. Patented Sept. 16, 1941.

Pat. 2,289,681. MOLD FOR CENTRIFUGAL CASTINGS. Patented July 14, 1942.

In these three patents a rotating mold is coated with loose, dry, sand-like material by a jet of air charged with the coating material. After formation of the coating on entire surface of mold, a binder is introduced into the rotating mold to cause innermost particles of the coating to adhere to each other without closing the spaces between them. Pat. 2,289,681 shows a mold having sponge-like walls coated in this way which permits escape of gases radially through coating and walls of mold during casting operation. Group 33—12—21—22—23—24.

Pat. 2,262,184. METHOD AND APPARATUS FOR COATING MOLDS. Patented Nov. 11, 1941. This patent shows a rectangular expansion chamber with baffle means in chamber so that when a jet of air loaded with dry coating material is discharged from chamber to progressively coat a rotating mold, the velocity of the jet is substantially reduced. Inventor claims this makes possible a more uniform depositing of coating material on mold surface without any substantial disturbance of deposited coating by jet of air issuing from expansion chamber. Group 33—12—21—22—23—24.

Pat. 2,267,896. CENTRIFUGAL CASTING APPARATUS. Patented Dec. 30, 1941.

Pat. 2,267,958. CENTRIFUGAL CASTING APPARATUS. Patented Dec. 30, 1941.

These two patents show a movable auxiliary support for supporting and guiding outlet end of a runner into a centrifugal mold prior to casting operation. Support also steadies runner and supports it against lateral movement during casting operation. The support (which is carried by water box) has a pair of rods or plungers telescoped within tubular supports on opposite sides of water box, and a grooved roller on lower end of a resilient hanger for engaging under side of trough. At beginning of casting operation, the support moves outwardly with box until

it is stopped at a pre-determined point. Support then remains stationary as box continues its outward movement so that support will be spaced from box when outlet end of trough is withdrawn from mold. Group 33—12—21—22—23—24.

Pat. 2,278,555. CENTRIFUGAL CASTING APPARATUS. Patented Apr. 7, 1942. In this patent all necessary adjustment of rollers, which support a centrifugal mold in a water box, can be made exteriorly of box. Each pivoted roller supporting frame has three adjusting rods extending outwardly through one side of box near its bottom. One of the rods connected to top of roller frame may be adjusted to move roller towards or away from center of box. The other rods connected to spaced adjustable bearings in base of roller frame may be adjusted to bring roller into alignment with outer surface of mold, or vary such alignment to so cant roller as to provide an end thrust upon mold in one direction or other, as may be desired. Group 33—12—21—22—23—24.

Pat. 2,313,926. CENTRIFUGAL CASTING APPARATUS. Patented Mar. 16, 1943. In this patent a driving sleeve is clamped to bell end of mold by a flange ring. A metal ring interposed between sleeve and mold provides satisfactory driving connection between sleeve and mold, and acts as an effective water seal between sleeve and mold. The ring also eliminates the necessity of changing the driving sleeve when a mold of one size is replaced by a mold of another size. All that is necessary is to substitute a ring of different thickness and a flange ring conforming to change in diameter of mold. Group 33—12—21—22—23—24.

Pat. 2,346,861. METHOD AND APPARATUS FOR GRINDING MOLDS. Patented Apr. 18, 1944. Apparatus is designed primarily for taper-grinding the bore of heavy steel molds used in centrifugally casting pipe and the like. A mold to be ground is supported on and rotated by roller units of the apparatus. An air-cooled grinding wheel rotating in a direction opposite to that of mold is reciprocated from end to end of bore of mold while in gravitational contact with surface of mold. Reciprocating movement of grinding wheel is automatically controlled so that it moves inwardly within bore of mold from one end to other at a uniformly decreasing speed, and at a uniformly increasing speed in reverse direction. Grinding wheel is mounted on the end of a long shaft inside a tubular support connected to a reciprocating wheeled carriage, which is hydraulically driven. A motor mounted on carriage drives grinding wheel. Groups 33—21—22—23—24; 35—41.

Pat. 2,437,626. METHOD OF RECLAIMING USED METAL MOLDS. Patented Mar. 9, 1948. Method of reclaiming used metal molds employed in centrifugally casting pipe consists in removing a longitudinal strip from wall of mold, then applying extraneous pressure to outer surface of mold at various points to bring the edges into abutting relation, then welding the edges together. This partially closes fissures in mold bore, so that it is not necessary to machine away as much material to renew casting surface. Groups 33—12—21—22—23—24; 39—98.

Application Serial No. 585,467. SLURRY DISTRIBUTING SYSTEMS. Filed Mar. 29, 1945. This application relates to apparatus whereby a slurry for coating molds may be prepared at a central mixing and pumping station and distributed to a plurality of spray heads for a battery of centrifugal pipe casting machines. The slurry from a supply tank is continuously circulated through a manifold and through the spray heads and discharged back into supply tank to maintain solids in the slurry in suspension at all times. Individual supply pipes from manifold are connected to the spray heads, but individual return pipes from spray heads discharge directly into the supply tank. Stoppage in any of the supply or return pipes of spray heads may be readily determined by an operator observing discharge of slurry from return pipes. Group 33—12—21—22—23—24.

Application Serial No. 729,219. APPARATUS FOR LINING HOLLOW BODIES WITH MORTAR. Filed Feb. 18, 1947. This application relates to apparatus for lining the interior surface of hollow fittings, such as T's, Y's, and L's, with a protective coating of mortar or the like. A constant stream of prepared mortar is conveyed to the interior of a rapidly rotating distributor head which applies coating as the head is reciprocated through fitting. Group 33—21—22—23—24.

Application Serial No. 22,375. CENTRIFUGAL CASTING APPARATUS. Filed Apr. 21, 1948. Application relates to centrifugal pipe casting apparatus wherein a coating of refractory material is progressively applied in a helical band to entire surface of a rotating mold prior to casting operation. The coating device and runner of this apparatus are mounted in parallel spaced-apart relation on a carriage. The carriage may be shifted transversely back and forth relative to mold carriage to selectively bring either the coating device or runner into or out of alignment with inner end of mold. Coating device and runner are alternately projected into and out of mold to perform their functions. Thus, the coating device is outside the water box during casting operation so that it is not subjected to intense heat of molten metal. To prevent collisions, automatic controls are provided so that when mold carriage is moving, other carriage cannot move, and vice versa. Group 33—12—21—22—23—24.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 21, 1948

[VOL. 617. No. 3]

ACT OF 1905

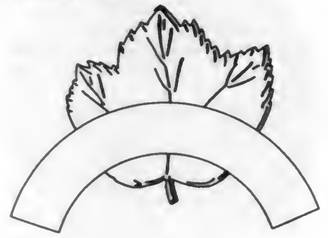
The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 499,008. POLORON PRODUCTS, INC., New Rochelle, N. Y. Filed Mar. 26, 1946.



FOR CHARCOAL.
Claims use since May 1939.

CLASS 2

RECEPTACLES

Ser. No. 519,857. COHOES ENVELOPE COMPANY, INC., Cohoes, N. Y. Filed Mar. 31, 1947.

Corsetvelope

FOR PAPER MERCHANDISE ENVELOPES PARTICULARLY FOR CORSETS.
Claims use since July 1935.

Ser. No. 519,858. COHOES ENVELOPE COMPANY, INC., Cohoes, N. Y. Filed Mar. 31, 1947.

Tievelope

FOR PAPER MERCHANDISE ENVELOPES PARTICULARLY FOR TIES.
Claims use since 1937.

Ser. No. 519,861. COHOES ENVELOPE COMPANY, INC., Cohoes, N. Y. Filed Mar. 31, 1947.

Shirtvelope

FOR PAPER MERCHANDISE ENVELOPES PARTICULARLY FOR SHIRTS.
Claims use since 1936.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 492,000. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 21, 1945.

FARM MASTER

The portrait shown in the drawing is fanciful.

FOR PHARMACEUTICAL AGENTS USED IN ANIMAL AND PLANT HUSBANDRY, AND AGAINST HOUSEHOLD AND FARM PARASITES, INCLUDING, LIVESTOCK INSECTICIDE (DRY), PHENOTHIAZINE (DRENCH), NICOTINE SULPHATE INSECTICIDE, POULTRY DIETARY MINERAL, LIVESTOCK DIETARY MINERAL, CODLIVER OIL, PINE OIL DISINFECTANT, LIGHT MINERAL OIL (MEDICINAL), POULTRY WORM TABLETS, MILD TINCTURE OF IODINE, ANIMAL DIETARY MINERAL BLOCKS, PETROLATUM, SODIUM FLUORIDE (LICE KILLER), TOBACCO POWDER FOR USE AGAINST ANIMAL AND PLANT PARASITES, MANGANESE SULPHATE, WOUND DRESSING, WHEAT GERM OIL, WORM BOMBS FOR INTERNAL VETERINARY ADMINISTRATION, POULTRY INHALANT, VITAMIN A AND D FEEDING OIL, VITAMIN "D" B-G MIX, DEHORNING STICKS (SODIUM HYDROXIDE), FLY SPRAY, SULFANILAMIDE UREA OINTMENT, EGG PRESERVATIVE (WATER GLASS), SCREW WORM KILLER, DISINFECTANT, UDDER OINTMENT, CATTLE GRUB DUST (FOR EXTERNAL TREATMENT AGAINST LIVESTOCK PARASITES SUCH AS WEATHER FLIES, GRUBS, AND LICE), DIP AND DISINFECTANT, HOUSEHOLD INSECT SPRAY, PINE ODOR DISINFECTANT, ROOST PAINT (INSECTICIDE), DEHORNING PASTE, PINK EYE POWDER, STIPTIC POWDER, SULFANILAMIDE-IODINE DUSTING POWDER, SARCOPTIC AND PSOROPTIC MANGE OIL.

Claims use since Jan. 15, 1941, on livestock insecticide, phenothiazine (drench), and petrolatum; since July 15, 1941, on nicotine sulphate insecticide, poultry mineral, livestock mineral, codliver oil, sodium fluoride (lice killer), tobacco powder, and manganese sulphate; since Jan. 15, 1942, on pine oil disinfectant, light mineral oil, vitamin "D" B-G mix, and pine odor disinfectant; since July 15, 1942, on poultry worm tablets, dehorning sticks, and dehorning paste; since Jan. 15, 1943, on mild tincture of iodine, mineral blocks, fly spray, and household insect spray; since July 15, 1943, on wound dressing, and sulfanilamide urea ointment; since Jan. 15, 1944, on poultry inhalant, vitamin A and D feeding oil, egg preservative, screw worm killer, disinfectant, cattle grub dust, dip and disinfectant, and roost paint (insecticide); since July 15, 1944, on pink eye powder; and since Aug. 15, 1944, on wheat germ oil, worm bombs, udder ointment, stiptic powder, sulfanilamide-iodine dusting powder, and sarcoptic and psoroptic mange oil.

Ser. No. 516,835. MAX HAEFELI, Basel, Switzerland. Filed Feb. 3, 1947.

PONTHACRYL

FOR DENTIFRICES, DENTURE POWDERS, DENTAL PLATE SECURING PREPARATIONS, AND CHEMICO-PHARMACEUTICAL PREPARATIONS USED IN DENTAL PRACTICE.
Claims use since 1944.

Ser. No. 518,986. ANTHONY SMITH AND COMPANY, Elmhurst, N. Y. Filed Mar. 13, 1947.



No claim is made to the word "Salve" apart from the mark as shown. The portrait is that of Anthony Francis Smith, deceased.
FOR HEALING SALVE.
Claims use since Nov. 29, 1898.

Ser. No. 525,162. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed June 28, 1947.

P-A-D

FOR MEDICINAL PREPARATION FOR USE AS A VASOCONSTRICTOR AND ANTISPASMODIC.
Claims use since Apr. 10, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 503,374. INDEPENDENT LOCK COMPANY, Fitchburg, Mass. Filed June 6, 1946.

ILCO

FOR BUILDER'S HARDWARE AND PARTS THEREOF—NAMELY, KNOBS, HANDLES, ESCUTCHEONS, BUTTS, HINGES; WINDOW HARDWARE UNITS AND PARTS THEREOF—NAMELY, ADJUSTERS, LIFTS, BARS, SASH PULL RINGS, SASH PULL SOCKETS, CASEMENT WINDOW OPERATORS, SASH PIVOTS, DOOR CHECKS, CLOSERS; AND DOOR AND FINISHING HARDWARE—NAMELY, ESCUTCHEON PLATES, GRILLES, DOOR KNOCKERS, DOOR STOPS, DOOR PULLS, MORTICE BOLTS, EXTENSION BOLTS, BARREL BOLTS, CHAIN AND FOOT BOLTS.
Claims use since Jan. 1, 1921.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 489,412. PASSAIC ANALYTICAL LABORATORIES, INC., Passaic, N. J. Filed Oct. 4, 1945.



The words "Passaiac Analytical Laboratories, Inc., Passaic, N. J." are disclaimed apart from the mark as shown.
FOR ELECTRICAL APPARATUS—NAMELY, COMBINED AIR-HEATER AND SPRAYER FOR DETERGENTS; AIR HEATERS, DEHYDRATING APPARATUS AND AIR PURIFYING APPARATUS FOR USE WITH SPRAYERS FOR DETERGENTS.
Claims use since Sept. 17, 1945.

Ser. No. 503,362. GENERAL LUMINESCENT CORPORATION, Chicago, Ill. Filed June 6, 1946.

LUMI-TONE

The word "Tone" is disclaimed apart from the mark.
FOR GLASS TUBING PRE-COATED WITH FLUORESCENT CHEMICALS FOR ASSEMBLY WITH ELECTRODES AND OTHER PARTS TO FORM COMPLETE FLUORESCENT LAMP TUBES.
Claims use since Jan. 1, 1940.

Ser. No. 506,720. M. L. ABRAMS COMPANY, Cleveland, Ohio. Filed Aug. 2, 1946.

JOG-A-WAY

The words "Abrams" and "Jog" are disclaimed apart from the mark.
FOR ELECTRICALLY OPERATED AGITATING AND PAPER ALIGNING MACHINES.
Claims use since Feb. 25, 1946.

Ser. No. 513,562. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 2, 1946.

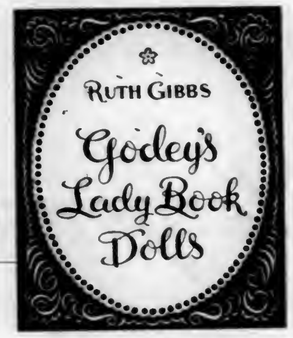


No claim is made to the words "The Battery," "Fast Charger," or "Super" apart from the mark.
FOR STORAGE BATTERY CHARGERS.
Claims use since Aug. 1, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 524,702. RUTH GIBBS, INC., Flemington, N. J. Filed June 24, 1947.



The words "Ruth Gibbs Godey's" and "Dolls" are disclaimed except as a part of the mark.
FOR DRESSED DOLLS.
Claims use since May 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 498,894. GEORGE LEO HALL, doing business as Jenny Equipment Service, Atlanta, Ga. Filed Mar. 25, 1946.

JEN-E-QUIP

FOR RADIATOR FLUSHING GUNS AND A DEGREASER UTILIZED AS A CLEANER ELECTRICALLY OPERATED BY CIRCULATING A SOLVENT OR SOLVENT VAPOR OVER GREASE LADEN AUTOMOTIVE TRANSMISSIONS AND DIFFERENTIALS.
Claims use since July 15, 1945.

Ser. No. 521,367. SPECIALLOID LIMITED, London, England. Filed Apr. 25, 1947.

SPECIALLOID

FOR PISTONS FOR ENGINES AND FOR AIR COMPRESSORS; AND CYLINDER LINERS AND VALVES FOR INTERNAL COMBUSTION ENGINES.
Claims use since 1935.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 492,164. TRENDICATOR SYSTEMS CO., Berkeley, Calif., assignor to Trendicator Systems Co., San Francisco, Calif., a corporation of California. Filed Nov. 24, 1945.



The drawing is lined to represent the colors green and red.
FOR VISUAL CONTROL BOARDS COMPRISING A MECHANICAL DEVICE INVOLVING APPARATUS FOR MOVABLY SUPPORTING SLIDABLE TAPES ACROSS AN INFORMATION PANEL TO VISUALLY INDICATE CURRENT TRENDS RELATING TO INVENTORY, PRODUCTION, AND OTHER MANAGEMENT PROBLEMS.
Claims use since Aug. 8, 1945.

Ser. No. 509,037. MYER ROSENBERG, Chicago, Ill. Filed Sept. 13, 1946.

MAGNI-CAL-RULE

The syllable "Rule" is disclaimed except when used in the mark as shown.
FOR DESK ARTICLE COMPRISING A RULE AND CALENDAR ASSOCIATED WITH IT.
Claims use since July 1, 1946.

Ser. No. 511,200. CARDINAL STRITCH COLLEGE, Milwaukee, Wis. Filed Oct. 21, 1946.

MAGIC-EYE

FOR CABINET FACED BY AN ELECTRICAL CONTACT BOARD, TOPPED BY A LIGHT SIGNAL, AND ALSO CONTAINING RACKS FOR RETAINING INDICIA-BEARING CARDS, THE ENTIRE UNIT BEING DESIGNED FOR EDUCATIONAL PURPOSES.
Claims use since Feb. 27, 1946.

Ser. No. 511,211. GROVER PHOTO PRODUCTS, Los Angeles, Calif. Filed Oct. 21, 1946.

FOTO SURE

The word "Foto" is disclaimed apart from the mark shown.
FOR PHOTOGRAPHIC SAFE LIGHTS.
Claims use since Aug. 1, 1946.

Ser. No. 514,572. TIKERN CORPORATION, Brooklyn, N. Y. Filed Dec. 19, 1946.

LUMENATE

FOR OPTICAL FILTERS.
Claims use since Nov. 25, 1946.

Ser. No. 517,019. THE SPRAGUE METER COMPANY, Bridgeport, Conn. Filed Feb. 5, 1947.

ZEPHYR

FOR GAS METERS AND COMBINATION GAS METERS AND UNITS FOR CONTROLLING AND REGULATING GAS PRESSURE.
Claims use since December 1946.

Ser. No. 522,791. VOGUE OPTICAL MFG. COMPANY, INC., New York, N. Y. Filed May 22, 1947.

Topper

FOR OPTICAL FRAMES.
Claims use since Feb. 21, 1947.

Ser. No. 525,729. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed July 2, 1947.



FOR TEMPERATURE INDICATORS, TEMPERATURE RECORDERS, THERMOSTATS, THERMO-SWITCHES, AND THERMO-RESPONSIVE ELECTRIC CIRCUIT CONTROLS AND PARTS THEREOF.
Claims use since on or about January 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 502,134. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed May 15, 1946. Under 10-year proviso.

HAMILTON

FOR MEN'S AND WOMEN'S POCKET WATCHES AND WRIST WATCHES.
Claims use since 1892 for the word "Hamilton"; and since Jan. 1, 1909, as to the mark as presented.

Ser. No. 522,591. COMPAGNIE DES MONTRES LONGINES, FRANCILLON S. A. (LONGINES WATCH CO. FRANCILLON LTD.), St. Imier, Switzerland. Filed May 17, 1947.

Sergines

The mark consists of the word "Sergines."
FOR CLOCKS, WATCHES, AND PARTS THEREOF.
Claims use since Feb. 3, 1933.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 518,808. ANDERSON TOOL & DIE WORKS, INC., Providence, R. I. Filed Mar. 11, 1947.

GLIDER

FOR KEY CHAINS MADE IN WHOLE OF OR IN PART OF OR PLATED WITH PRECIOUS METAL.
Claims use since Jan. 15, 1947.

Ser. No. 520,788. ALBERT ADLER, Philadelphia, Pa. Filed Apr. 16, 1947.



Applicant disclaims the word "Chain" apart from the mark.
FOR JEWELRY FOR PERSONAL WEAR AND ADORNMENT, NOT INCLUDING WATCHES—NAMELY, SPORT CHAINS, KEY CHAINS, CHOKERS, AND BRACELETS.
Claims use since Apr. 10, 1947.

Ser. No. 526,255. C. A. KIGER COMPANY, Kansas City, Mo. Filed July 4, 1947.

WEDDING TIES

Applicant disclaims any exclusive rights to the word "Wedding" apart from the mark.
FOR MEN'S AND LADIES' FINGER RINGS AND FINGER RING MOUNTINGS.
Claims use since Dec. 3, 1946.

Ser. No. 526,256. C. A. KIGER COMPANY, Kansas City, Mo. Filed July 4, 1947.

WEDDING TYES

Applicant disclaims any exclusive rights to the word "Wedding" apart from the mark.
FOR MEN'S AND LADIES' FINGER RINGS AND FINGER RING MOUNTINGS.
Claims use since Dec. 3, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 515,084. CULLIGAN ZEOLITE COMPANY, Northbrook, Ill. Filed Dec. 31, 1946.

CULLSORB

FOR MANGANESE TREATED GREEN SAND FOR USE AS WATER TREATING OR CONDITIONING MATERIAL IN WATER CONDITIONING EQUIPMENT.
Claims use since Dec. 1, 1945.

Ser. No. 515,086. CULLIGAN ZEOLITE COMPANY, Northbrook, Ill. Filed Dec. 31, 1946.

CULLAR

FOR ACTIVATED CARBON FOR USE AS WATER TREATING OR CONDITIONING MATERIAL IN WATER CONDITIONING EQUIPMENT.
Claims use since Dec. 1, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 502,235. D. SIBEL & COMPANY LIMITED, London, England. Filed May 16, 1946.

STAK-A-BYE

FOR OCCASIONAL CHAIRS, WITH AND WITHOUT ARMS AND CAPABLE OF BEING STACKED, AND OCCASIONAL TABLES CAPABLE OF BEING EASILY STORED BY NESTING OR STACKING.
Claims use since Feb. 5, 1946.

Ser. No. 513,191. THE NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md. Filed Nov. 25, 1946.

STYRATOP

FOR LAMINATED PLASTIC FACED TABLE TOPS.
Claims use since June 27, 1946.

Ser. No. 517,030. ALLIED DISPLAY MATERIALS, INC., New York, N. Y. Filed Feb. 6, 1947.

AD
ALLIED DISPLAY

FOR DISPLAY STANDS FOR DISPLAYING MERCHANDISE IN STORES OR STORE WINDOWS, SHELVES FOR THE SAME.
Claims use since Dec. 1, 1944.

Ser. No. 525,480. FEDERAL BUSINESS PRODUCTS, INC., New York, N. Y. Filed July 1, 1947.

Vue-fax

FOR FILING CABINETS.
Claims use since Mar. 21, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 509,340. THE GRISCOM RUSSELL COMPANY, New York, N. Y. Filed Sept. 19, 1946.

R-FIN

The word "Fin" is disclaimed apart from the mark.
FOR PIPES AND TUBING OF COPPER, ALUMINUM, IRON, STEEL, AND OTHER METALS PROVIDED WITH HEAT RADIATING FINS.
Claims use since Aug. 21, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 525,394. OAKES & COMPANY, Chicago, Ill. Filed July 1, 1947.

FARMITT

FOR LEATHER BELTS FOR USE ON INDUSTRIAL, DOMESTIC, AND AGRICULTURAL MACHINERY; BELT LACINGS FOR USE ON ALL FLAT BELTS FOR TRANSMISSIONS AND CONVEYORS; WASHERS MADE OF FIBER, RUBBER, AND LEATHER; AND BLOWOUT PATCHES, RUBBER BELTING, FAN BELTS, GARDEN HOSE, COTTON AND LEATHER MACHINE BELTING, AND GASKETS.
Claims use since May 22, 1947.

CLASS 37

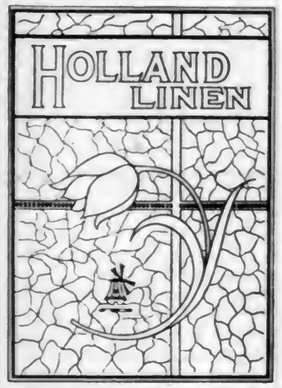
PAPER AND STATIONERY

Ser. No. 526,051. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

Helmet

FOR BLANK BOOKS, I. E., ACCOUNT, DATA, AND ORDER BOOKS.
Claims use since 1926.

Ser. No. 526,055. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



FOR PAPER TABLETS; PAPETERIES, I. E. STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED PUT UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES; AND ENVELOPES.
Claims use since Feb. 15, 1942.

Ser. No. 526,061. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



The silhouette of the human head shown in the drawing is merely fanciful.
FOR PAPER TABLETS.
Claims use since 1927.

Ser. No. 526,067. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

LAFAYETTE



The portrait shown on the drawing is that of the historic character Marquis de Lafayette. The drawing is lined for shading only.
FOR PAPER TABLETS, AND PAPERTERIES, I. E., STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED, PUT UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES.
Claims use since Apr. 12, 1918, as to "Lafayette"; and since Feb. 7, 1938, as shown.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 513,414. THE HEARST CORPORATION, New York, N. Y. Filed Nov. 29, 1946.

ELMER SQUEE

FOR NEWSPAPER CARTOON PAGE AND/OR STRIP.
Claims use since Sept. 7, 1946.

CLASS 39

CLOTHING

Ser. No. 489,396. GLEN-HAR LIMITED, Glasgow, Scotland. Filed Oct. 4, 1945.

GLEN-HAR

FOR WOMEN'S COATS, SUITS, AND OUTER SKIRTS MADE OF SCOTTISH TWEEDS.
Claims use since May 19, 1933.

Ser. No. 516,849. JACOB KANDEL, doing business as Kandel Shoe Co., New York, N. Y. Filed Feb. 3, 1947.

CROSS-OVER

FOR WOMEN'S AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF.
Claims use since Dec. 5, 1944.

Ser. No. 517,170. SHIELDS SLIPPER CORPORATION, Bombay, N. Y. Filed Feb. 7, 1947.

Ba-Ba

FOR BOOTS AND SHOES MADE OF LEATHER AND FABRIC.
Claims use since May 12, 1945.

Ser. No. 520,838. SMART MAID, INC., Philadelphia, Pa. Filed Apr. 16, 1947.



The picture of the girl is fanciful. No claim is made to the notation "A Famous Original by Phil. Girl Frocks" except in the association shown.
FOR DRESSES FOR GIRLS AND WOMEN.
Claims use since Mar. 1, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 494,205. A. G. COMPANY, Haledon, N. J. Filed Jan. 3, 1946.



FOR NARROW FABRIC BELTINGS, EXCLUDING ALL BELTINGS MADE OF GOLD COLORED THREAD.
Claims use since May 16, 1944.

Ser. No. 525,755. ADLER BROS. LACE CORP., New York, N. Y. Filed July 3, 1947.

Yankee

FOR SHOE LACES.
Claims use since 1920.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 492,720. LITTLE CROW MILLING COMPANY, INC., Warsaw, Ind. Filed Dec. 5, 1945.



The drawing is lined to indicate red and yellow colors.
FOR PANCAKE MIX AND BUCKWHEAT PANCAKE MIX.
Claims use since Aug. 15, 1945.

Ser. No. 512,488. CENTRAL DAIRY, INC., Fort Wayne, Ind. Filed Nov. 13, 1946.

Centrals

FOR POWDERED WHOLE MILK.
Claims use since Sept. 1, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 538,849. WILLIAM C. ATWATER & CO., INC., New York, N. Y. Filed Oct. 24, 1947. Under section 2f of the act of 1946.

ATWATER POCAHONTAS

The word "Pocahontas" is disclaimed apart from the mark. Applicant claims ownership of registration No. 396,839.
FOR COAL.
Claims use since June 13, 1922.

CLASS 2

RECEPTACLES

Ser. No. 481,842. ILLINOIS WATCH CASE CO., doing business as Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Filed Sept. 8, 1947. Under section 2f of the act of 1946.

Elgin American

FOR COLD CREAM JARS, EYE BROW PENCIL HOLDERS, JEWEL BOXES, LIPSTICK HOLDERS, LOTION BOTTLES, MAKE-UP BOXES, MATCH SAFES, PERFUME BOTTLES, POWDER JARS, POWDER PUFF JARS, RAZOR BOXES, ROUGE BOXES, SOAP BOXES, STUD BOXES, TALCUM POWDER JARS, TOOTH BRUSH HOLDERS IN THE NATURE OF CONTAINERS, AND VANITY CASES, ALL SOLD EMPTY IN TRADE, AND MADE IN WHOLE OR IN PART OF BASE METAL OR OF PLASTIC MATERIAL, AND BOTH PLAIN OR DECORATED.
Claims use on cold cream jars since 1912; on eye brow pencil holders since 1912; on jewel boxes since 1923; on lipstick holders since 1912; on lotion bottles since 1923; on make-up boxes since 1912; on match safes since 1922; on perfume bottles since 1912; on powder jars since 1933; on powder puff jars since 1933; on razor boxes since 1933; on rouge boxes since 1912; on soap boxes since 1912; on stud boxes since 1932; on talcum powder jars since 1929; on tooth brush holders since 1933; and on vanity cases since 1893.

Ser. No. 521,398. OLD KING COLE, INC., Canton, Ohio. Filed Aug. 25, 1947.

LAMINITE

FOR FORMED LAMINATED PAPER CHANNELS NORMALLY USED IN PAIRS TO FORM A CLOSED BOX FOR SHIPPING CONTAINERS.
Claims use since Sept. 18, 1945.

Ser. No. 533,606. PATIO WOOD PRODUCTS, San Gabriel, Calif. Filed Sept. 5, 1947.

Patio Planter

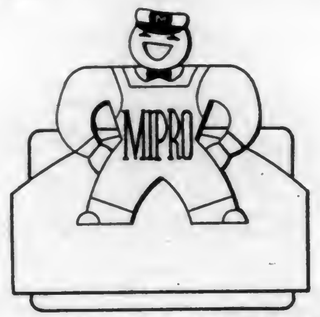
FOR CONTAINERS—NAMELY, WOODEN PAILS, WOODEN BUCKETS AND WOODEN POTS.
Claims use since Mar. 13, 1947.

Ser. No. 537,534. WHEELING STEEL CORPORATION, Wheeling, W. Va. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

WHITAKER

FOR STORAGE TANKS.
Claims use since 1919.

Ser. No. 539,891. AUGUSTUS MIERSON, doing business as Mierson Products Company, San Francisco, Calif. Filed Nov. 1, 1947.



FOR GARBAGE CANS; WASTEPAPER BASKETS, WASTE DISPOSAL CANS—NAMELY, SWING TOP RECEPTACLES, OPEN TYPE RECEPTACLES, SANITARY NAPKIN RECEPTACLES, STEP-ON CANS, CATCHALL AND COUNTER RECEPTACLES.
Claims use since Jan. 2, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 501,445. ESQUIRE, INC., Chicago, Ill. Filed Nov. 5, 1947.

Esquire

FOR PLAYING CARD CASES OF LEATHER, PORTFOLIOS, WALLETS, AND POCKET SECRETARIES FOR CONTAINING LETTERS, MEMORANDA, AND THE LIKE.
Claims use since October 1944.

Ser. No. 510,216. STEIN BROS. MFG. CO., Chicago, Ill., a corporation of Illinois, assignee of Stein Bros. Mfg. Co. Filed Feb. 21, 1948. Under section 2f of the act of 1946.

TUFIDE

FOR ZIPPER ENVELOPES, ZIPPER BAGS, PORTFOLIOS, TRAVELING BAGS, SUITCASES, DOCUMENT CASES, BRIEF CASES, FRAME-OPENING BRIEF BAGS, ZIPPER OPENING BRIEF BAGS, ZIPPER RING BINDERS, AND A PORTFOLIO WITH ACETATE ENVELOPES.
Claims use since Oct. 1, 1937.

Ser. No. 534,240. BUXTON, INCORPORATED, Springfield, Mass. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

Lady Buxton

Applicant claims ownership of registrations Nos. 192,212, 202,838, and 388,800.
FOR BILLFOLDS, PURSES, KEY CASES, POCKETBOOKS, AND PASS CASES.
Claims use since Mar. 13, 1938.

Ser. No. 534,241. BUXTON, INCORPORATED, Springfield, Mass. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

Buxton

Applicant claims ownership of registrations Nos. 192,212, 202,838, 388,800, and 417,984.
FOR KEY CASES, PURSES, BILLFOLDS; POCKET CASES, POCKETBOOKS, AND PASS CASES.
Claims use since July 27, 1919.

Ser. No. 549,962. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

Oshkosh

The lining on the stripes at top and bottom of mark is intended to represent the colors red and yellow, respectively. Applicant claims ownership of registrations Nos. 109,228, 201,560, 214,178, and 420,791.

FOR TRUNKS: WARDROBE; TAXI; STEAMER; AND DRESS; HAND LUGGAGE: OVERNIGHTS; PULLMANS; HAT AND SHOE CASES; TRAY CASES; WARDROBES; AND OVERSEAS CASES.

Claims use since December 1914.

Ser. No. 550,220. THE DAVID'S FIFTH AVENUE CORPORATION, New York, N. Y. Filed Feb. 20, 1948.

Unicar

FOR POCKETBOOKS, BILLFOLDS, AND WALLETS.

Claims use since Jan. 20, 1948.

Ser. No. 550,428. MORRIS, MANN & REILLY, INC., Chicago, Ill. Filed Feb. 24, 1948. Under section 2f of the act of 1946.

Sac-de-Perle

FOR HANDBAGS, WALLETS, OVERNIGHT BAGS, TOILET CASES, AND PORTFOLIOS, FOR MEN AND WOMEN.

Claims use since February 1936.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 534,398. VALLEY CHEMICALS CO., Germantown, Ohio. Filed Sept. 12, 1947.

XONOX

FOR DETERGENT CLEANING COMPOUND IN LIQUID FORM ADAPTED FOR USE AS AN ALL-PURPOSE CLEANER.

Claims use since Aug. 16, 1947.

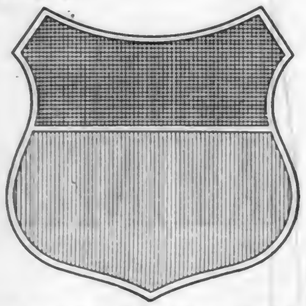
Ser. No. 541,928. FULD BROS., INC., Baltimore, Md. Filed Nov. 21, 1947.

POWERPHYL

FOR SCRUB SOAP.

Claims use since Sept. 16, 1947.

Ser. No. 545,343. CONGOLEUM-NAIRN, INC., Kearny, N. J. Filed Dec. 24, 1947.



The upper portion is cross lined to indicate black and the lower portion is vertically lined to indicate red. Applicant claims ownership of registrations Nos. 247,213, 291,477, 299,946, 330,215, 368,487, 368,488, and 369,035.

FOR LIQUID COMPOUNDS FOR CLEANING LINOLEUM, ASPHALT TILE, AND SIMILAR FLOOR AND WALL COVERINGS.

Claims use since Apr. 5, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 501,921. MUTUAL DEALERS WHOLESALE, INC., St. Paul, Minn. Filed July 14, 1947.

Worthmore

FOR METHYL ALCOHOL ANTI-FREEZE, NON-FREEZE LIQUID FOR TRACTOR TIRE BALLAST, MEDICATED HOG OIL, STOCK DIP, INSECT BLIGHT CONTROL POWDER AND DICHLORODIPHENYL-TRICHLOROETHANE POWDER.

Claims use since Oct. 1, 1936.

Ser. No. 519,812. JULIUS GOLDNER, doing business as Excel Chemical Company, Brooklyn, N. Y. Filed Oct. 1, 1947.



The face of the letters and the lines within the outline are colored blue.

FOR HYDRAULIC BRAKE FLUID.

Claims use since 1939.

Ser. No. 528,404. ARMOUR AND COMPANY, Chicago, Ill. Filed July 12, 1947.

GLANOID

FOR ANIMAL GLANDULAR PRODUCTS FOR THERAPEUTIC ADMINISTRATION FOR RELIEF OF GLANDULAR DEFICIENCIES.

Claims use since August 1936.

Ser. No. 529,495. H. KENT SEANEY, doing business as Kent Cosmetics, Highland Park, Ill. Filed July 25, 1947.

SUN-SECT

FOR INSECT REPELLANTS.

Claims use since Apr. 4, 1947.

Ser. No. 530,401. FRANK X. HESS, doing business as Hess Hair Milk Laboratories, St. Paul, Minn. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

HAIR MILK

Applicant disclaims exclusive use of the word "Hair" apart from the mark. Applicant claims ownership of registration No. 379,488.

FOR PREPARATION FOR USE AS A HAIR TONIC AND DANDRUFF REMOVER AND TO IMPART COLOR TO GRAY OR FADED HAIR.

Claims use since September 1906.

Ser. No. 530,797. BENLO CHEMICALS, Milwaukee, Wis. Filed Aug. 8, 1947.

BENLO Industrial Chemicals

The pictorial matter and the words "Industrial Chemicals" are disclaimed apart from the mark.

FOR INDUSTRIAL CHEMICALS—NAMELY, ACIDS, IN BOTH LIQUID AND CRYSTAL FORM AND COMPRISING ACETIC, BORIC, CHROMIC, FORMIC, HYDROFLUORIC, MURIATIC, NITRIC, OLEIC, OLEUM, OXALIC, PERCHLORIC, SULFURIC; DENATURED INDUSTRIAL ALCOHOL; ALUMINUM SULFATE; AMMONIUM CHLORIDE; AMMONIUM HYDROXIDE; AMMONIUM OLEATE; AMMONIUM PHOSPHATE; AMMONIUM SULFATE; CADMIUM SULFIDE; CALCIUM CARBONATE; CALCIUM HYPOCHLORITE; CARBON TETRACHLORIDE; CASTOR OIL FOR INDUSTRIAL USES; CHLORAMINE COMPOUNDS; CHLORINE; CITRONELLA; COPPER SULFATE; FORMALDEHYDE; GLYCERINE USED AS A SOLVENT IN DYEING AND PRINTING TEXTILES; MAGNESIUM CARBONATE; METASILICATE OF SODA; NAPHTHALENE; PARADICHLOROBENZENE; PHOSPHATES; DISODIUM PHOSPHATE; TETRA SODIUM PYRO; SODIUM TETRA PHOSPHATE; POTASSIUM CHLORATE; POTASSIUM HYDROXIDE; POTASSIUM NITRATE; POTASSIUM SILICATE; SAL SODA; SODIUM BICARBONATE; SODIUM BICHROMATE; SODIUM BISULFATE; SODIUM BISULFITE; SODIUM BORATE; SODIUM CARBONATE; SODIUM CHLORIDE; SODIUM FLUORIDE; SODIUM HYDROXIDE; SODIUM HYPOSULFITE; SODIUM NITRITE; SODIUM SESQUICARBONATE; SODIUM SILICATES; SODIUM SULFATE; SODIUM SULFIDE; SULFUR; SULFUR DIOXIDE; ULTRA-MARINE BLUE; COMPOUNDED PRODUCTS FOR USE AS: BLEACHING AGENTS, DEFOAMING AGENTS, FIRE EXTINGUISHER FLUIDS, LUMBER-TREATING PREPARATIONS TO PREVENT GROWTH OF FUNGUS, WETTING AGENTS; AND ALSO CAUSTIC SOLUTIONS, PHENYL TYPE ORGANOMERCURIALS AND CHLORINATED PHENOLS FOR THE CONTROL OF SLIME, SULFONATED OILS, AND TANNERS ALKALI.

Claims use since Oct. 21, 1944.

Ser. No. 531,734. SOUTHERN OXYGEN COMPANY, INC., Bladensburg, Md. Filed Aug. 18, 1947.

SOUTHERN OXYGEN

The term "Oxygen" is disclaimed apart from the mark.

FOR OXYGEN, HYDROGEN, ACETYLENE, NITROGEN, CARBON DIOXIDE, PROPANE, MIXTURES OF CARBON DIOXIDE AND OXYGEN, AND MIXTURES OF HELIUM AND OXYGEN.

Claims use on oxygen since July 21, 1916; on hydrogen since July 21, 1916; on acetylene since Oct. 15, 1919; on nitrogen since Apr. 10, 1922; on carbon dioxide since May 12, 1935; on propane since Nov. 20, 1939; on mixtures of carbon dioxide and oxygen since Aug. 1, 1935; and on mixtures of helium and oxygen since Aug. 6, 1942.

Ser. No. 534,502. AMERICAN SCIENTIFIC LABORATORIES, INC., Madison, Wis., and Polo, Ill. Filed Sept. 15, 1947.



FOR MEDICINAL AND PHARMACEUTICAL PREPARATIONS—NAMELY, VACCINES, BACTERIN AND ANTIGENS FOR THE PREVENTION, TREATMENT, AND DIAGNOSIS OF DISEASES OF POULTRY AND ANIMALS.

Claims use since July 1923.

Ser. No. 536,582. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Oct. 3, 1947.

ESTERCIDE

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND HERBICIDES.

Claims use since Aug. 11, 1947.

Ser. No. 537,941. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Oct. 15, 1947.

CONFETS

FOR FLAVORED MEDICATED TABLETS, CONTAINING PENICILLIN BUFFERED WITH CALCIUM CARBONATE, SOLD IN CANDY OR CONFECTION FORM.
Claims use since Sept. 8, 1947.

Ser. No. 538,539. THE GUERLAIN PERFUMERY CORPORATION, New York, N. Y. Filed Oct. 21, 1947. Under section 2f of the act of 1946.

POUDRE
SUPER DULCI

Applicant disclaims the word "Poudre" apart from the mark as shown. Applicant claims ownership of registration No. 412,068.
FOR FACE POWDER.
Claims use since 1912.

Ser. No. 538,540. THE GUERLAIN PERFUMERY CORPORATION, New York, N. Y. Filed Oct. 21, 1947. Under section 2f of the act of 1946.

ELIXIR
DE
GUERLAIN

Applicant disclaims the word "Elixir" apart from the mark as shown. Applicant claims ownership of registration No. 412,600.
FOR DENTIFRICES AND MOUTH WASHES.
Claims use since February 1923.

Ser. No. 539,173. DONALD D. KENYON, doing business as Kondon Manufacturing Company, Minneapolis, Minn. Filed Oct. 27, 1947. Under section 2f of the act of 1946.

KONDON'S



The portrait shown is that of Norma Kenyon Hunter, consent given.
FOR NASAL JELLY.
Claims use since 1889.

Ser. No. 542,286. CLOROX CHEMICAL CO., Oakland, Calif. Filed Nov. 25, 1947.



The words "Exclusive" and "Ultra-Refined" are disclaimed apart from the mark. The drawing is lined for the colors blue and orange. Applicant claims ownership of registrations Nos. 102,650, 251,292, 279,405, 287,293, and 290,449.
FOR BLEACHING, CLEANSING, ANTISEPTIC, AND GERMICIDAL COMPOUNDS.
Claims use since May 1940.

Ser. No. 543,871. ATLAS POWDER COMPANY, Wilmington, Del. Filed Dec. 10, 1947.

BRIJ

FOR EMULSIFYING, DISPERSING, SOLUBILIZING, AND WETTING AGENTS.
Claims use since Nov. 13, 1947.

Ser. No. 547,077. WALKER VITAMIN PRODUCTS, INC., Mount Vernon, N. Y. Filed Jan. 14, 1948.

FOLIFEROL

FOR MEDICINAL TABLETS CONTAINING FOLIC ACID AND FERROUS SULFATE, EXSICCATED.
Claims use since Dec. 2, 1947.

Ser. No. 547,281. REED & CARNRICK, Jersey City, N. J. Filed Jan. 16, 1948.

Chobeline

FOR PREPARATION FOR THE TREATMENT OF PATHOLOGIC CONDITIONS OF THE LIVER.
Claims use since Dec. 23, 1947.

Ser. No. 547,398. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed September 23, 1947.

Seal Brand

Applicant claims ownership of registration No. 79,518.
FOR SILICATE OF SODA.
Claims use since 1909.

Ser. No. 547,787. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Jan. 22, 1948.

ELECTRIC

Applicant claims ownership of registration No. 193,780.
FOR SULPHUR.
Claims use since July 21, 1924.

Ser. No. 550,156. GEORGE A. LAWRENCE, New York, N. Y. Filed Feb. 19, 1948.

BEAUTINA

FOR FACE POWDER AND POWDER BASES—NAMELY, LIQUID POWDER FOUNDATION, FOUNDATION CREAMS, NIGHT CREAMS; CLEANSING CREAMS—NAMELY, MILKY LIQUID CLEANSER; EYE CREAMS—NAMELY, EYE LASH OIL, FACE LOTIONS, AND FACE CREAMS.
Claims use since Feb. 6, 1948.

Ser. No. 553,505. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Filed Mar. 31, 1948.

PROTOX

FOR ZINC OXIDE USED FOR INDUSTRIAL PURPOSES, PARTICULARLY IN COMPOUNDING RUBBER.
Claims use since Mar. 4, 1948.

Ser. No. 553,566. ATOMIC DISTRIBUTORS, INC., Miami, Fla., and Columbus, Ohio. Filed Apr. 1, 1948.

ATOMIC

FOR LAXATIVE COMPOUND, IRON TONIC, LINIMENT.
Claims use since Oct. 28, 1945.

Ser. No. 553,768. PLUTO CORPORATION, French Lick, Ind. Filed Jan. 10, 1948.

PLUTO



The stippling on the representation of the figure in the drawing represents shading. Applicant claims ownership of registrations Nos. 47,749, 47,750, and 47,879.
FOR EFFERVESCENT CRYSTALS USED AS AN ANTACID AND GENTLE LAXATIVE AND LAXATIVE PILLS.
Claims use since Oct. 27, 1947, on effervescent crystals; and since Dec. 18, 1947, on laxative pills.

Ser. No. 555,719. WYETH INCORPORATED, Philadelphia, Pa. Filed May 26, 1948.

WYCILLIN

FOR ANTIBIOTIC.
Claims use since May 8, 1948.

Ser. No. 556,723. ABBOTT LABORATORIES, North Chicago, Ill. Filed Jan. 20, 1948.

METAPHEN

Applicant claims ownership of registration No. 205,507.
FOR CONCENTRATIONS OF A CHEMICAL COMPOUND SUITABLE FOR USE AS AN ANTISEPTIC, AS A GERMICIDE, AND/OR AS A DISINFECTANT.
Claims use since October 1923.

Ser. No. 557,284. LANMAN & KEMP-BARCLAY & CO., INCORPORATED, New York, N. Y. Filed May 18, 1948. Under section 2f of the act of 1946.

REUTER'S

Applicant claims ownership of registrations Nos. 33,059, 69,488, 125,187, 338,876, and 339,359.
FOR PILLS FOR THE RELIEF OF CONSTIPATION, DYSPEPSIA, HEADACHE, BILIOUSNESS, FLATULENCY, LIVER DISEASE, DIZZINESS, NAUSEA, AND DISTRESS; TOILET CREAMS; PERFUME; TOILET WATER; TALCUM POWDER; FACE POWDER; DUSTING POWDER; AND SACHET POWDER.
Claims use since July 1, 1890, for pills; since Aug. 11, 1920, for toilet creams; since December 1920, for face powder; and since May 23, 1945, for the remaining goods.

CLASS 7

CORDAGE

Ser. No. 533,638. ST. REGIS PAPER COMPANY, New York, N. Y. Filed Sept. 5, 1947.

ST. REGIS

FOR WIRE TIES ADAPTED FOR TYING BAGS AND OTHER PURPOSES.
Claims use since May 1, 1931.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 507,243. EVANS CASE CO., North Attleboro, Mass. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

Evans

FOR PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES, PIPES, AND THE LIKE.
Claims use since 1940.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 550,153. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Feb. 19, 1948.

KEE LECTRIC

Applicant claims ownership of registration No. 69,307.
FOR CARBON PAPER.
Claims use since Sept. 24, 1947.

Ser. No. 551,432. BANKERS & MERCHANTS STAMP WORKS, Chicago, Ill. Filed Mar. 8, 1948.

Faymus

FOR INDELIBLE AND OPAQUE INKS, STENCIL INK, RUBBER STAMP INK, NUMBERING MACHINE INK, FOOD PACKAGE INK, MEAT BRANDING INK, CHECK PROTECTOR INK, FINGERPRINT INK, AND SIGN MARKER INK.
Claims use since Jan. 15, 1948.

Ser. No. 551,523. THE CARTER'S INK COMPANY, Cambridge, Mass. Filed Mar. 9, 1948. Under section 2f of the act of 1946.

CARTER'S

Applicant claims ownership of registrations Nos. 48,946, 50,451, and 104,815.
FOR INDELIBLE AND MARKING INKS AND SETS CONTAINING PRIMARILY INK, AND INCIDENTALLY A MARKING PEN AND PENHOLDER.
Claims use since May 1898.

Ser. No. 551,525. THE CARTER'S INK COMPANY, Cambridge, Mass. Filed Mar. 9, 1948. Under section 2f of the act of 1946.

Carter's

Applicant claims ownership of registrations Nos. 48,946, 50,451, and 104,815.
FOR STAMP PADS AND STAMP INKS.
Claims use since July 1898.

Ser. No. 552,197. F. S. WEBSTER COMPANY, Cambridge, Mass. Filed Mar. 17, 1948.



WEB-STAR

Applicant claims ownership of registrations Nos. 245,776 and 299,409.
FOR CARBON PAPER.
Claims use since March 1937.

Ser. No. 555,715. WESTERN NEWSPAPER UNION, Omaha, Nebr., and Dover, Del. Filed Apr. 27, 1948.



FOR PRINTING INKS.
Claims use since 1921.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 514,737. UNION ALUMINUM COMPANY, INC., Sheffield, Ala., assignee of Union Aluminum Company. Filed Nov. 10, 1947. Under section 2f of the act of 1946.



FOR ALUMINUM WINDOW SASHES, CASEMENTS, AND WINDOW FRAMES.
Claims use since July 17, 1946.

Ser. No. 528,739. PRESTILE MANUFACTURING COMPANY, Chicago, Ill. Filed July 16, 1947.

PRESTILE

FOR FURRING AND MOLDING STRIPS, CHANNEL AND DIVIDER STRIPS, CORNER MOLDING STRIPS, WALL BASE MOLDING AND WALL CAP MOLDING SECTIONS MADE OF BASE METAL OR COMPOSITION MATERIAL.
Claims use since April 1946.

Ser. No. 528,740. PRESTILE MANUFACTURING COMPANY, Chicago, Ill. Filed July 16, 1947.

PRESTILE

The word "Tile" and the representation of the goods are disclaimed apart from the mark.
FOR PANELS OF HIGH TENSILE STRENGTH MADE OF HARD BOARD, PRESSED BOARD AND THE LIKE FOR USE AS WALL STRUCTURES.
Claims use since July 2, 1945.

Ser. No. 530,407. THE KINNEAR MANUFACTURING COMPANY, Columbus, Ohio. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

ROL-TOP

Applicant claims ownership of registration No. 289,896.
FOR ROLLING DOORS AND SLIDING DOORS OF WOOD OR METAL TO BE USED FOR INDOOR AND OUTDOOR CONSTRUCTION, INCLUDING GARAGES, SERVICE STATIONS, WAREHOUSES, FACTORY RECEIVING PLATFORMS, BOATHOUSES, AND ANY OTHER BUILDINGS.
Claims use since Aug. 1, 1930.

Ser. No. 530,733. CLARENCE C. HALL, Lakewood, Ohio. Filed Aug. 7, 1947.



FOR HOLLOW BUILDING BLOCKS COMPOSED ESSENTIALLY OF AGGREGATE AND CEMENTITIOUS MATERIAL.
Claims use since Jan. 2, 1945.

Ser. No. 530,907. BARBER-COLMAN COMPANY, Rockford, Ill. Filed Aug. 9, 1947.

BARCOL

FOR DOORS FOR BUILDINGS.
Claims use since December 1929.

Ser. No. 531,738. THE TERACITE CORPORATION, Scranton, Pa. Filed Aug. 18, 1947.

Teracite

FOR CHEMICALLY PROCESSED BOARD WHICH IS USED BOTH AS STRUCTURAL AND CABINET MATERIAL AND FOR ALL GENERAL PURPOSES FOR WHICH WALLBOARD MAY BE USED.
Claims use since June 1, 1947.

Ser. No. 533,562. HAMPDEN COLOR AND CHEMICAL COMPANY, Springfield, Mass. Filed Sept. 5, 1947. Under section 2f of the act of 1946.

Hampden

Applicant claims ownership of registrations Nos. 124,306, 140,821, and 298,667.
FOR WATERPROOFING COMPOUNDS FOR CONCRETE, WOOD, PLASTER, STUCCO, AND MASONRY.
Claims use since 1925.

Ser. No. 536,336. BAKER PAINT & VARNISH CO., Jersey City, N. J. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

QUICKSET

Applicant claims ownership of registration No. 186,986.
FOR PUTTY.
Claims use since Jan. 1, 1923.

Ser. No. 540,723. THE F. E. SCHUMACHER COMPANY, Hartville, Ohio. Filed Nov. 10, 1947. Under section 2f of the act of 1946.

"REDDY-LOC"

Applicant claims ownership of registration No. 291,563.
FOR WINDOW SCREENS.
Claims use since Dec. 27, 1930.

Ser. No. 541,187. RUTLAND FIRE CLAY COMPANY, Rutland, Vt. Filed Nov. 14, 1947. Under section 2f of the act of 1946.



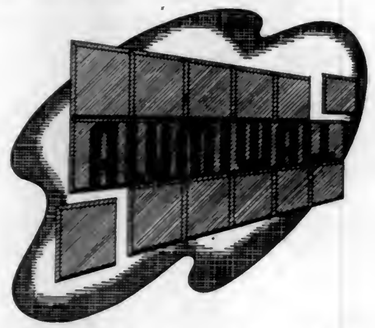
The figure in the drawing is fanciful. The words "Concrete" and "Patcher" are disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 152,978, 161,832, 324,155, and 324,156.
FOR PATCHING PLASTER TO BE MIXED WITH WATER FOR CLOSING CRACKS, BREAKS, AND HOLES IN CONCRETE WALLS, WALKS, ROOFS, ETC.
Claims use since Oct. 15, 1927.

Ser. No. 541,256. BOYLE-MIDWAY INC., Jersey City, N. J. Filed Nov. 15, 1947. Under section 2f of the act of 1946.

PLASTIC WOOD

Applicant claims ownership of registration No. 207,843.
FOR A PLASTIC PREPARATION COMPOSED CHIEFLY OF CELLULOSE AND SOLD AS A SUBSTITUTE FOR WOOD AND USED IN GLAZING OPERATIONS AND SIMILAR WORK OF HOUSE CONSTRUCTION.
Claims use since Sept. 18, 1924.

Ser. No. 543,413. BESTILE MANUFACTURING COMPANY, Ontario, Calif. Filed Dec. 5, 1947.



The representation of the tile is disclaimed apart from the mark as shown. The drawing is lined for shading only.
FOR WALL COVERING—NAMELY, SIMULATED TILE, BEING INDIVIDUAL PLASTIC COATED ALUMINUM WALL TILES ABOUT FIVE INCHES SQUARE AND SMALLER, SLIGHTLY BEVELED ON ALL FOUR FACE SIDES.
Claims use since Sept. 1, 1947.

Ser. No. 544,349. INDIANAPOLIS PLYWOOD COMPANY, Indianapolis, Ind. Filed Dec. 15, 1947.

Indianapolis Plywood IPCO

Applicant disclaims the words "Indianapolis" and "Plywood" apart from the mark.
FOR PLYWOOD.
Claims use since Nov. 25, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 527,939. KIENE DIESEL ACCESSORIES, INC., Franklin Park, Ill. Filed July 5, 1947.

KIENE

FOR VALVES AND ADAPTER CONNECTIONS FOR USE WITH TESTING INSTRUMENTS FOR USE WITH INTERNAL COMBUSTION ENGINES.
Claims use since Mar. 19, 1940.

Ser. No. 533,085. UNIVERSAL WINDOW CO., Berkeley, Calif. Filed Sept. 2, 1947. Under section 2f of the act of 1946.

DONOVAN

Applicant claims ownership of registration No. 202,818.
FOR WINDOW ADJUSTERS FOR AWNING AND CASEMENT TYPE WINDOWS.
Claims use since February 1924.

Ser. No. 534,299. MALLEABLE IRON FITTINGS COMPANY, Branford, Conn. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

BRANFORD

FOR PIPE FITTINGS—NAMELY, PIPE UNIONS.
Claims use since 1922.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 528,286. KENSINGTON STEEL COMPANY, Chicago, Ill. Filed July 10, 1947. Under section 2f of the act of 1946.

KENSINGTON

FOR MANGANESE AND STEEL, AND ROUGH AND PARTLY FINISHED MANGANESE AND STEEL CASTINGS.
Claims use since July 29, 1926.

Ser. No. 553,245. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948.

STAINLEND

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Jan. 3, 1939.

Ser. No. 553,251. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948.

MONEND

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Jan. 8, 1945.

Ser. No. 553,253. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948.

MANGANEND

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Feb. 23, 1930.

Ser. No. 553,255. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948.

NICKEND

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Feb. 23, 1930.

CLASS 15

OILS AND GREASES

Ser. No. 537,090. SMITH & NICHOLS, INC., New York, N. Y. Filed Oct. 7, 1947.

PIONEER

Applicant claims ownership of registration No. 229,113.
FOR WAX CANDLES.
Claims use since November 1926.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 536,463. ALFRED SUTTER, Oberhofen-Münchwilen, Canton of Thurgau, Switzerland. Filed Oct. 1, 1947.

SKIWA

Applicant claims ownership of Swiss registration No. 86,354 dated July 19, 1935.
FOR COMPOUNDS FOR PREPARING THE SLIDE SURFACE OF SKIS, THESE BEING WAXES, TALLOWS, VARNISHES, AND PAINTS.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 529,779. D. EMIL KLEIN CO., INC., New York, N. Y. Filed July 28, 1947. Under section 2f of the act of 1946.

MARQUETTE

Applicant claims ownership of registration No. 102,516.
FOR CIGARS, CIGARETTES, AND SMOKING TOBACCO.
Claims use since April 1907.

Ser. No. 530,632. FABER, COE & GREGG, INC., New York, N. Y. Filed Aug. 6, 1947. Under section 2f of the act of 1946.

Brindley's Mixture

Applicant does not claim the word "Mixture" apart from the mark. Applicant claims ownership of registration No. 382,922.
FOR SMOKING TOBACCO.
Claims use since Jan. 1, 1918.

Ser. No. 530,633. FABER, COE & GREGG, INC., New York, N. Y. Filed Aug. 6, 1947. Under section 2f of the act of 1946.

GRAHAM-COURTNEY

FOR CIGARS.
Claims use since Jan. 15, 1907.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 518,110. STITT IGNITION COMPANY, Columbus, Ohio. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

STITT

FOR AUTOMOTIVE AND GAS ENGINE SPARK PLUGS, AND PARTS THEREFOR.
Claims use since June 4, 1918.

Ser. No. 520,922. CLAY BARTON, Whittier, Calif. Filed Dec. 6, 1947.

HONORBILT

FOR FLUORESCENT LIGHTING FIXTURES.
Claims use since Nov. 1, 1941.

Ser. No. 526,681. MARK SHOELD, Baltimore, Md. Filed July 5, 1947.

NYTON

FOR ELECTRICAL BLANKETS.
Claims use since May 27, 1947.

Ser. No. 528,683. AVCO MANUFACTURING CORPORATION, Cincinnati, Ohio. Filed July 16, 1947.

Carrollton

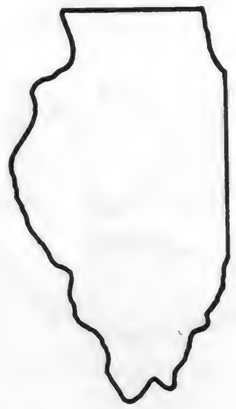
FOR RADIO RECEIVERS.
Claims use since June 1947.

Ser. No. 532,796. BARBER-COLMAN COMPANY, Rockford, Ill. Filed Aug. 29, 1947.

BARCOL

FOR ELECTRIC MOTORS.
Claims use since October 1931.

Ser. No. 532,934. ILLINOIS ELECTRIC PORCELAIN COMPANY, Macomb, Ill. Filed Aug. 30, 1947. Under section 2f of the act of 1946.



The mark comprises an outline of the State of Illinois.
FOR ELECTRIC INSULATORS.
Claims use since 1926.

Ser. No. 534,482. SPRAGUE ELECTRIC COMPANY, North Adams, Mass. Filed Sept. 13, 1947.



FOR ELECTROLYTIC CONDENSERS, ELECTROSTATIC CONDENSERS, ELECTRICAL FILTERS, AND ELECTRICAL RESISTORS.
Claims use since September 1932.

Ser. No. 536,482. AUTOMATIC MANUFACTURING CORPORATION, East Newark, N. J. Filed Oct. 2, 1947.

K-TRAN

FOR COIL AND CONDENSER ASSEMBLIES USED IN ELECTRICAL CIRCUITS.
Claims use since Aug. 1, 1945.

Ser. No. 537,017. RALPH H. CRANE, Eugene, Oreg. Filed Oct. 7, 1947.



FOR AUTOMATIC ELECTRIC WATER HEATERS OF THE TYPE TO BE ATTACHED TO THE EXTERIOR OF STORAGE TANKS OR OTHER CONTAINERS TO BE HEATED.
Claims use since May 1, 1946.

Ser. No. 537,372. THE THOMPSON MANUFACTURING CO., Chicago, Ill. Filed Oct. 9, 1947.

Silver-King

FOR DOMESTIC VACUUM CLEANERS.
Claims use since Sept. 22, 1947.

Ser. No. 537,736. S & M LAMP CO., INCORPORATED, Los Angeles, Calif. Filed Oct. 13, 1947.

"RED CAP"

Applicant claims ownership of registration No. 303,894.
FOR ELECTRICAL FLOOD LIGHTS.
Claims use since Jan. 31, 1933.

Ser. No. 544,556. ELECTRIC MACHINERY MFG. COMPANY, Minneapolis, Minn. Filed Dec. 17, 1947.

EM

Applicant claims ownership of registrations Nos. 408,777 and 408,778.
FOR ELECTRICAL MACHINES AND APPARATUS—NAMELY, SYNCHRONOUS GENERATORS, SYNCHRONOUS MOTORS, DIRECT-CURRENT GENERATORS, INDUCTION MOTORS, VERTICAL HOLLOW-SHAFT SYNCHRONOUS MOTORS, DIRECT-CURRENT MOTORS, DUAL-VOLTAGE SYNCHRONOUS GENERATORS, SYNCHRONOUS CONDENSERS, AUTOMATIC SYNCHRONIZERS, VOLTAGE REGULATORS, FREQUENCY-RESPONSIVE SYNCHRONOUS-MOTOR CONTROLS, POLARIZED FIELD-FREQUENCY SYNCHRONOUS-MOTOR CONTROLS, PART-WINDING-STARTING MOTOR CONTROLS, AUTOMATIC CONTROLS FOR INDUCTION MOTORS, SWITCH MAGNETS, OVERLOAD RELAYS, AUTOTRANSFORMERS, CURRENT TRANSFORMERS, UNDERVOLTAGE RELEASE RELAYS, FIELD DISCHARGE RESISTORS, DISCONNECTING SWITCHES, CONTROL TRANSFORMERS, REACTORS, RHEOSTATS, MAGNETIC DRIVES, SLIP RING INDUCTION MOTORS, INCHING CONTROLS FOR ELECTRIC MOTORS, AND TWO SPEED INDUCTION MOTORS.
Claims use on induction motors and on dual-voltage synchronous generators since on or about Jan. 1, 1919; on synchronous generators since Jan. 1, 1917; on synchronous motors since Jan. 1, 1917; on direct-current generators since Jan. 1, 1917; on direct-current motors since Jan. 1, 1917; on vertical hollow-shaft synchronous motors since Feb. 3, 1936; on synchronous condensers since June 1, 1929; on automatic synchronizers since Oct. 1, 1939; on voltage regulators since Dec. 18, 1938; on field-frequency responsive synchronous-motor controls since Jan. 1, 1925; on polarized field-frequency synchronous-motor controls since Mar. 1, 1939; on part-winding-starting controls since Feb. 1, 1930; on automatic controls for induction motors since July 8, 1943; on switch magnets since Oct. 28, 1930; on overload relays since

Sept. 14, 1930; on autotransformers since Jan. 25, 1930; on current transformers since Oct. 29, 1930; on undervoltage release relays since Oct. 1, 1933; on field discharge resistors since Feb. 1, 1936; on disconnecting switches since Sept. 1, 1932; on control transformers since Apr. 1, 1935; on reactors since Sept. 2, 1932; on rheostats since May 1, 1940; on meter reading multipliers since Mar. 18, 1939; on unloaders for compressors since Feb. 11, 1932; on magnetic drives since Mar. 15, 1940; on slip ring induction motors since Jan. 1, 1946; on inching controls since Jan. 1, 1938; and on two-speed induction motors since July 1, 1944.

Ser. No. 544,557. ELECTRIC MACHINERY MFG. COMPANY, Minneapolis, Minn. Filed Dec. 17, 1947.

EM

Applicant claims ownership of registrations Nos. 408,777 and 408,778.

FOR ELECTRICAL MACHINES AND APPARATUS—NAMELY, SYNCHRONOUS GENERATORS, SYNCHRONOUS MOTORS, DIRECT-CURRENT GENERATORS, INDUCTION MOTORS, VERTICAL HOLLOW-SHAFT SYNCHRONOUS MOTORS, DIRECT-CURRENT MOTORS, DUAL-VOLTAGE SYNCHRONOUS GENERATORS, SYNCHRONOUS CONDENSERS, AUTOMATIC SYNCHRONIZERS, VOLTAGE REGULATORS, FREQUENCY-RESPONSIVE SYNCHRONOUS-MOTOR CONTROLS, POLARIZED FIELD-FREQUENCY SYNCHRONOUS-MOTOR CONTROLS, PART-WINDING-STARTING MOTOR CONTROLS, AUTOMATIC CONTROLS FOR INDUCTION MOTORS, SWITCH MAGNETS, OVERLOAD RELAYS, AUTO-TRANSFORMERS, CURRENT TRANSFORMERS, UNDERVOLTAGE RELEASE RELAYS, FIELD DISCHARGE RESISTORS, DISCONNECTING SWITCHES, CONTROL TRANSFORMERS, REACTORS, RHEOSTATS, MAGNETIC DRIVES, SLIP RING INDUCTION MOTORS, INCHING CONTROLS FOR ELECTRIC MOTORS, AND TWO SPEED INDUCTION MOTORS.

Claims use on induction motors and on dual-voltage synchronous generators since on or about Jan. 1, 1919; on synchronous generators since Jan. 1, 1917; on synchronous motors since Jan. 1, 1917; on direct-current generators since Jan. 1, 1917; on direct-current motors since Jan. 1, 1917; on vertical hollow-shaft synchronous motors since Feb. 3, 1936; on synchronous condensers since June 1, 1929; on automatic synchronizers since Oct. 1, 1939; on voltage regulators since Dec. 18, 1938; on field-frequency responsive synchronous-motor controls since Jan. 1, 1925; on polarized field-frequency synchronous-motor controls since Mar. 1, 1939; on part-winding-starting controls since Feb. 1, 1930; on automatic controls for induction motors since July 8, 1943; on switch magnets since Oct. 28, 1930; on overload relays since Sept. 14, 1930; on autotransformers since Jan. 25, 1930; on current transformers since Oct. 29, 1930; on undervoltage release relays since Oct. 1, 1933; on field discharge resistors since Feb. 1, 1936; on disconnecting switches since Sept. 1, 1932; on control transformers since Apr. 1, 1935; on reactors since Sept. 2, 1932; on rheostats since May 1, 1940; on meter reading multipliers since Mar. 18, 1939; on unloaders for compressors since Feb. 11, 1932; on magnetic drives since Mar. 15, 1940; on slip ring induction motors since Jan. 1, 1946; on inching controls since Jan. 1, 1938; and on two-speed induction motors since July 1, 1944.

Ser. No. 546,126. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 3, 1948.

RCA

FOR INTERNAL COMBUSTION ENGINE-DRIVEN ELECTRICAL GENERATORS.
Claims use since January 1947.

Ser. No. 546,610. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed Jan. 9, 1948.

ROECLAD

FOR ELECTRICAL WIRE AND CABLE.
Claims use since Mar. 15, 1934.

Ser. No. 546,612. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed Jan. 9, 1948.

ROEPRENE

FOR ELECTRICAL WIRE AND CABLE.
Claims use since 1941.

Ser. No. 546,615. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed Jan. 9, 1948.

ROEWELD

FOR ELECTRICAL WIRE AND CABLE.
Claims use since Aug. 4, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 527,837. THE AMERICAN FORK AND HOE COMPANY, Cleveland, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

SPEEDLOCK

Applicant claims ownership of registration No. 318,268.
FOR FISHING RODS AND FISHING ROD HANDLES.
Claims use since Sept. 1, 1933.

Ser. No. 527,871. THE WORTHINGTON BALL COMPANY, Elyria, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

WORTHY

Applicant claims ownership of registration No. 331,502.
FOR GOLF BALLS.
Claims use since Nov. 30, 1934.

Ser. No. 533,276. CYCLOID CORPORATION, Chicago, Ill. Filed Sept. 4, 1947.

CYCLOID

FOR FISHING REELS.
Claims use since January 1946.

Ser. No. 533,277. CYCLOID CORPORATION, Chicago, Ill. Filed Sept. 4, 1947.

"MICROMATIC"

FOR FISHING REELS.
Claims use since December 1945.

Ser. No. 540,237. ALBANY BILLIARD BALL COMPANY, Albany, N. Y. Filed Nov. 6, 1947. Under section 2f of the act of 1946.

HYATT

Applicant claims ownership of registration No. 219,727.
FOR BILLIARD BALLS, POCKET BILLIARD BALLS, AND CUE BALLS.
Claims use since 1897.

Ser. No. 541,015. GEORGE E. MOUSLEY, INC., New York, N. Y. Filed Nov. 13, 1947.

KING-O-BRICK

Applicant disclaims the word "Brick" apart from its use with the mark.
FOR TOY BRICK SETS TO BE USED TO BUILD MODEL HOUSES AND STRUCTURES.
Claims use since June 15, 1947.

Ser. No. 547,230. CADACO-ELLIS, Chicago, Ill. Filed Jan. 16, 1948.

Tripoley

Applicant claims ownership of registration No. 298,330.
FOR GAME—THE GAME IS PLAYED BY TWO OR MORE PERSONS WITH PLAYING CARDS, CHIPS, AND A TABLE LAY-OUT UNDER RULES SIMILAR TO A COMBINATION OF THE RULES OF THE CARD GAMES OF POKER AND MICHIGAN.
Claims use since Mar. 9, 1932.

Ser. No. 548,063. RUFUS C. GIBBS, doing business as Gibbs Tool & Stamping Works, Vancouver, British Columbia, Canada. Filed Jan. 27, 1948.

GIBBS

Applicant claims ownership of Canadian registration No. N. S. 9603, dated Mar. 19, 1938.
FOR FISHING SPOONS, FISHING RODS, FISHING REELS, FISHING SINKERS, FISHING FLIES, AND FISH LINE SWIVELS.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 500,225. KERR MANUFACTURING COMPANY, Detroit, Mich., by change of name from Kerr Dental Manufacturing Company. Filed Oct. 10, 1947.

VACUMATIC

FOR MACHINES FOR REMOVING AIR FROM REFRACTORY MATERIAL IN METAL CASTING PROCESS.
Claims use since Dec. 3, 1945.

Ser. No. 511,043. SYRACUSE SUPPLY COMPANY, Syracuse, N. Y. Filed Oct. 21, 1947.

SYCO

FOR MACHINES FOR DRILLING, TAPPING, AND MILLING METAL PARTS AND FOR SAWING, MILLING, DRILLING, AND ROUTING WOOD.
Claims use since May 1938.

Ser. No. 532,249. FRANK D. PALMER, INC., Chicago, Ill. Filed Aug. 23, 1947. Under section 2f of the act of 1946.

PALMER

FOR PACKAGING MACHINERY, I. E., MACHINES FOR FORMING PAPER AND LIKE BOXES AND CARTONS FROM BLANKS, MACHINES FOR SETTING UP PREFABRICATED BUT COLLAPSED BOXES AND CARTONS, MACHINES FOR FILLING CARTONS OR BOXES WITH FLUENT MATERIALS IN EITHER WET OR DRY FORM, AND MACHINES FOR CLOSING AND/OR SEALING BOXES OR CARTONS.
Claims use since October 1938.

Ser. No. 532,465. THE LOFSTRAND COMPANY, Rockville, Md. Filed Aug. 26, 1947. Under section 2f of the act of 1946.

LOFSTRAND

FOR GLASS WASHING MACHINES AND TRAYS USED IN CONJUNCTION THEREWITH FOR HOLDING GLASSES BEFORE, DURING AND AFTER WASHING IN SAID MACHINE, FIRE EXTINGUISHERS, INSECTICIDE SPRAYERS, MOBILE WOODWORKING SHOPS, SAID SHOPS SOLD AS A UNIT AND BEING EQUIPPED WITH WOOD AND METAL WORKING BENCHES, SAWS, LATHES, HAMMERS, CUTTING TOOLS, WRENCHES, DRILLS, AND SANDING MACHINES, AND CHAIN SAW SHARPENERS.
Claims use since 1937.

Ser. No. 532,917. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill. Filed Aug. 30, 1947. Under section 2f of the act of 1946.

Davidson

The drawing is lined for shading only. Applicant claims ownership of registration No. 406,634.
FOR DUPLICATING MACHINES, MORE PARTICULARLY, PRINTING PRESSES, FOLDING MACHINES, PAPER HANDLING MACHINES, AND THE LIKE.
Claims use since Nov. 20, 1940.

Ser. No. 533,748. THE KRECT RAZOR CO., Portland, Oreg. Filed Sept. 8, 1947.

KRECT

FOR SAFETY RAZORS AND BLADES.
Claims use since July 1, 1947.

Ser. No. 533,780. M. W. ROBINSON CO. INC., New York, N. Y. Filed Sept. 8, 1947. Under section 2f of the act of 1946.

CAREW'S

Applicant claims ownership of registration No. 157,626.
FOR MECHANICS' TOOLS—NAMELY, NIPPERS.
Claims use since 1902.

Ser. No. 534,165. MARION POWER SHOVEL COMPANY, Marion, Ohio. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

MARION

Applicant claims ownership of registrations Nos. 141,294 and 141,772.
FOR POWER OPERATED EXCAVATING AND HOISTING MACHINES—NAMELY, POWER SHOVELS, DIPPER DREDGES, HYDRAULIC DREDGES, ELEVATOR DREDGES, TRACTOR DREDGES, RAILROAD DITCHERS, DRAGLINE EXCAVATORS, ORANGE PEEL EXCAVATORS, CLAM SHELL EXCAVATORS, FRENCH DIGGING MACHINES, BALLAST UNLOADERS, LOG LOADERS AND CRANES.
Claims use since 1902.

Ser. No. 535,383. CHRISTMAN & FAUST, Columbus, Ohio. Filed Sept. 23, 1947.

CYCLENED

FOR MOTORCYCLE ENGINE EXHAUST PIPES, EXHAUST PIPE BAFFLES, EXHAUST PIPE DEFLECTOR PLATES, TUBULAR METALLIC SHIELDS FOR ENCLOSING THE COIL SPRINGS OF MOTORCYCLES.
Claims use since Aug. 18, 1947.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 532,666. VOSS BROTHERS MANUFACTURING CO., Davenport, Iowa. Filed July 22, 1947. Under section 2f of the act of 1946.

VOSS

Applicant claims ownership of registration No. 269,235.
FOR CLOTHES WASHING MACHINES.
Claims use since 1911.

Ser. No. 533,003. E. L. CHRISMAN COMPANY, INC., Los Angeles, Calif. Filed Sept. 2, 1947.

ELCCO

FOR EQUIPMENT FOR DRY CLEANING AND COMMERCIAL LAUNDRY—NAMELY, GARMENT PRESSES, SPOTTING BOARDS, FINISHING BOARDS, PUFF SETS, GRID PLATES AND VALVES.
Claims use since July 1, 1943.

CLASS 25

LOCKS AND SAFES

Ser. No. 533,545. HAROLD W. CRAMER, doing business as Cramer Safe & Office Equipment Co., Kansas City, Mo. Filed Sept. 5, 1947.

THE CRAMER DROPOSITORY

The word "Cramer" is disclaimed apart from the mark.
FOR DEPOSIT-OPENING CLOSURES FOR SAFES, VAULTS, AND THE LIKE.
Claims use since Aug. 6, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 526,607. PRECISION APPARATUS CO., INC., Elmhurst, Long Island, N. Y. Filed July 5, 1947.

Tube Master

No claim is made to the word "Tube" apart from the mark.
FOR VACUUM TUBE TESTING AND BATTERY TESTING INSTRUMENTS.
Claims use since Apr. 1, 1947.

Ser. No. 526,608. PRECISION APPARATUS CO., INC., Elmhurst, Long Island, N. Y. Filed July 5, 1947.

Test Master

No claim is made to the word "Test" apart from the mark.
FOR VACUUM TUBE TESTING AND CIRCUIT ANALYZING INSTRUMENTS.
Claims use since Apr. 1, 1947.

Ser. No. 527,087. SPENCER THERMOSTAT COMPANY, Attleboro, Mass. Filed July 5, 1947.

KLIXON

Applicant claims ownership of registrations Nos. 208,219, 204,291, 284,829, and 285,709.
FOR THERMOSTATIC CONTROLS FOR ACTUATING VALVES AND ELECTRIC SWITCHES.
Claims use since Aug. 11, 1925.

Ser. No. 530,909. BARBER-COLMAN COMPANY, Rockford, Ill. Filed Aug. 9, 1947.

Econostat

FOR THERMOSTATIC AND TIME CONTROLLED SWITCHING MECHANISM FOR ADAPTATION TO AND CONTROL OF TEMPERATURE REGULATING SYSTEMS IN RESPONSE TO TEMPERATURE CHANGES.
Claims use since September 1939.

Ser. No. 531,945. FOSTER M. POOLE, doing business as Poole Manufacturing Engineers, Dallas, Tex. Filed Aug. 20, 1947.

Applicant claims ownership of registration No. 428,411.
FOR REMOTE-READING MICROMETERS; AN APPARATUS, CONSISTING OF A TANK GAUGER'S REEL AND TAPE WITH A METAL PLUMB BOB, AND A MILLIAMMETER IN THE CIRCUIT THROUGH THE PLUMB BOB AND TANK SO THAT THE MILLIAMMETER DEFLECTS WHEN THE PLUMB BOB PASSES THROUGH THE LINE OF DEMARCATION BETWEEN THE OIL AND THE WATER IN THE TANK, AND USED FOR INDICATING SAID LINE; SPECIFIC GRAVITY METERS, AND VOLUME MEASURING APPARATUS—NAMELY, AN ACOUSTIC RESONATOR FOR A CAVITY TO BE MEASURED AND ELECTRICAL APPARATUS FOR MEASURING THE RESULTING RESONANT FREQUENCY WHICH IS A MEASURE OF THE CAVITY VOLUME.
Claims use since Aug. 22, 1938; since Nov. 15, 1938, on remote-reading micrometers; since Aug. 22, 1938, on devices for indicating the line of demarcation between the water and oil in an oil storage tank; since Oct. 16, 1940, on specific gravity meters; and since Dec. 16, 1946, on volume measuring apparatus.

Ser. No. 535,392. CLUB ALUMINUM PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 23, 1947.

Club Aluminum

The word "Aluminum" is disclaimed apart from the mark.
FOR TOP-OF-STOVE THERMOMETER.
Claims use since Nov. 30, 1936.

Ser. No. 535,619. PRECIAS A. G., Zurich, Switzerland. Filed Sept. 24, 1947.

Precisa

Applicant claims ownership of Swiss registration No. 119,370.
FOR CALCULATING MACHINES.

Ser. No. 544,170. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed Dec. 12, 1947.

SEVENTEEN

FOR EYEGLASS AND SPECTACLE FRAMES.
Claims use since Nov. 28, 1947.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 537,479. FABRIQUE D'HORLOGERIE SILVANA S. A., Tramelan, Switzerland. Filed Oct. 10, 1947.

SILVANA

Applicant claims ownership of Swiss registration No. 113,182 dated Nov. 9, 1945.
FOR POCKET WATCHES, WRIST WATCHES, DIALS, AND ALL PARTS OF WATCHES.

Ser. No. 541,960. PARKER WATCH CO., INC., New York, N. Y. Filed Nov. 21, 1947. Under section 2f of the act of 1946.

Parker

Applicant claims ownership of registrations Nos. 244,474 and 408,997.
FOR WATCHCASES, CLOCKS, WATCHES, AND PARTS THEREOF.
Claims use since Jan. 1, 1927.

Ser. No. 542,134. I. D. WATCH CASE CO. INC., Jamaica, N. Y. Filed Nov. 24, 1947.

I·d.

Applicant claims ownership of registration No. 323,943.
FOR WATCH CASES.
Claims use since 1936.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 532,381. TRIFARI, KRUSSMAN & FISHEL, INC., New York, N. Y. Filed Aug. 25, 1947. Under section 2f of the act of 1946.

TRIFARI

Applicant claims ownership of registration No. 357,174.
FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, EARRINGS, CLIPS, PINS, NECKLACES, BRACELETS, CUFF LINKS, TIARAS, BRACELET CHARMS, AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH, PRECIOUS METAL—NAMELY, BUTTONS, BELT BUCKLES, SHOE BUCKLES, HAT PINS, HAIR BARRETTES, AND HAIR COMBS.
Claims use since Dec. 20, 1937.

Ser. No. 532,751. S. PACKALES & CO., New York, N. Y. Filed Aug. 28, 1947.

CUFF-PACT

COSTUME JEWELRY—NAMELY, BRACELETS EQUIPPED WITH LIPSTICK AND OTHER MAKE-UP COMPARTMENTS.
Claims use since July 2, 1947.

Ser. No. 535,868. PAKULA AND COMPANY, Chicago, Ill. Filed Sept. 26, 1947.

Enchantress

FOR PEARLS, AND JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, EXPANSION, CHARM, IDENTIFICATION, AND WATCH BRACELETS; ANKLETS; CHARMS; ORNAMENTAL PINS; EARRINGS; LOCKETS; NECK, WALDEMEAR, AND DICKENS CHAINS; ROSARIES; FINGER RINGS; AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH, PRECIOUS METAL: COMPACTS AND FOUNTAIN PENS.
Claims use since July 1, 1946.

Ser. No. 542,293. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed Nov. 25, 1947.

CHICO

FOR FORKS, KNIVES, SPOONS, AND SIMILAR TABLE FLATWARE MADE OF SILVER OR SILVER-PLATE.
Claims use since Oct. 2, 1947.

Ser. No. 542,295. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed Nov. 25, 1947.

NANCY

FOR FORKS, KNIVES, SPOONS, AND SIMILAR TABLE FLATWARE MADE OF SILVER OR SILVER-PLATE.
Claims use since July 2, 1947.

Ser. No. 542,296. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed Nov. 25, 1947.

LEONA

FOR FORKS, KNIVES, SPOONS, AND SIMILAR TABLE FLATWARE MADE OF SILVER OR SILVER-PLATE.
Claims use since July 2, 1947.

Ser. No. 549,556. MARVEL JEWELRY MFG. COMPANY, Providence, R. I. Filed Feb. 12, 1948.

Tootsie

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) MADE WHOLLY OR PARTLY OF PRECIOUS METAL—NAMELY, ALL TYPES OF BRACELETS.
Claims use since Jan. 9, 1948.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 528,394. WILLIAM ADAMS & SONS (POTTERS) LIMITED, Tunstall, England. Filed July 12, 1947.

Calyx

Applicant claims ownership of British registration No. 657,600 dated Mar. 25, 1947.
FOR DINNER WARE, TEA WARE, BREAKFAST WARE, DESSERT WARE, AND WARE SUPPLEMENTARY THERETO, SUCH AS BOWLS, PLATTERS, AND SERVING DISHES, MADE OF VARIOUS COMBINATIONS OF CLAYS, FLINT, AND STONE WITH A GLAZE APPLIED THERETO.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 524,550. MELCHIOR, ARMSTRONG, DESSAU CO. OF DELAWARE, INC., Ridgefield, N. J. Filed Jan. 27, 1948.

MELCO

Applicant claims ownership of registrations Nos. 392,362, 307,740, and 334,295.
FOR CONDENSING UNITS FOR ELECTRIC DOMESTIC AND COMMERCIAL REFRIGERATORS AND REPLACEMENT AND REPAIR PARTS THEREFOR; COIL-PAN COMBINATIONS FOR ELECTRIC DOMESTIC AND COMMERCIAL REFRIGERATION AND REPLACEMENT AND REPAIR PARTS THEREFOR; REPLACEMENT AND REPAIR PARTS FOR ELECTRIC DOMESTIC AND COMMERCIAL REFRIGERATORS; COOLERS-CARBONATORS; AND UNIT-COOLERS FOR REFRIGERATION.
Claims use since Oct. 1, 1935.

Ser. No. 524,551. MELCHIOR, ARMSTRONG, DESSAU CO. OF DELAWARE, INC., Ridgefield, N. J. Filed Feb. 5, 1948. Under section 2f of the act of 1946.

MELCHIOR, ARMSTRONG, DESSAU CO. MELCO ...OF DEL. INC...

Applicant claims ownership of registrations Nos. 307,740, 334,295, and 392,362.
FOR CONDENSING UNITS FOR ELECTRIC DOMESTIC AND COMMERCIAL REFRIGERATORS AND REPLACEMENT AND REPAIR PARTS THEREFOR; COIL-PAN COMBINATIONS FOR ELECTRIC DOMESTIC AND COMMERCIAL REFRIGERATION AND REPLACEMENT AND REPAIR PARTS THEREFOR; REPLACEMENT AND REPAIR PARTS FOR ELECTRIC DOMESTIC AND COMMERCIAL REFRIGERATORS; COOLERS-CARBONATORS; AND UNIT-COOLERS FOR REFRIGERATION.
Claims use since Oct. 15, 1935.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 509,985. VERNON E. HAROLDSON, doing business as Vern Haroldson Sales Co., Seattle, Wash. Filed Nov. 28, 1947.

Duraframe

FOR UPHOLSTERED FURNITURE—NAMELY, DAVENPORTS, CHAIRS, BENCHES, AND BEDS; FRAMES FOR SAID TYPES OF UPHOLSTERED FURNITURE; STOOLS—NAMELY, FOOT STOOLS AND KITCHEN STOOLS; BEDS, TABLES, STANDS, AND LUGGAGE RACKS, ALL IN THE NATURE OF FURNITURE.
Claims use since Mar. 1, 1946.

Ser. No. 519,419. SALMANSON & CO. INC., New York, N. Y. Filed Oct. 30, 1947.

ARISTO-BILT

Applicant disclaims the word "Bilt" except as used in the mark. Applicant claims ownership of registration No. 355,888.
FOR BOOK CASES, BOOK SHELVES, CHESTS FOR CLOTHING AND LINENS, CHESTS OF DRAWERS, CABINETS HAVING SHELVES AND/OR DRAWERS, AND/OR PARTITIONING WALLS, PHONOGRAPH AND RECORD CABINETS, WARDROBES, KITCHEN, LIVING ROOM, BEDROOM AND BATHROOM CHAIRS, KITCHEN TABLES, NIGHT TABLES, END TABLES, OCCASIONAL TABLES, DRESSING TABLES, MAGAZINE RACKS, BEDS, CRIBS, ROCKING CHAIRS, AND DESKS, NONE OF WHICH ARTICLES ARE UPHOLSTERED.
Claims use since December 1941.

Ser. No. 523,057. A. BRANDWEIN & COMPANY, Chicago, Ill. Filed Nov. 25, 1947.

Granada

FOR MATTRESSES.
Claims use since March 1937.

Ser. No. 539,370. VIRGINIA METAL PRODUCTS CORPORATION, Orange, Va. Filed Oct. 28, 1947.

vmp CORPORATION

No claim is made to the word "Corporation" apart from the mark as shown. The drawing is lined to denote the color orange.
FOR SHELVING IN KNOCK-DOWN FORM.
Claims use since Aug. 4, 1947.

Ser. No. 539,510. FOSTER BROTHERS MANUFACTURING COMPANY, Utica, N. Y. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

IDEAL

Applicant claims ownership of registrations Nos. 45,483 and 46,024.
FOR BEDS, BED SPRINGS, MATTRESSES, AND COUCHES.
Claims use since July 1, 1888, on beds and springs; since Feb. 25, 1932, on mattresses; and since Dec. 20, 1934, on couches.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 528,133. TYPHOON AIR CONDITIONING CO., INC., Brooklyn, N. Y. Filed July 8, 1947.

TYPHOON PROP-R-TEMP

FOR SELF CONTAINED AIR CONDITIONING UNITS—NAMELY, AIR CONDITIONING SYSTEMS COMPLETELY CONTAINED IN CABINETS; LOW SIDE AIR CONDITIONING UNITS—NAMELY, CABINETS CONTAINING EVAPORATORS, CIRCULATING FANS, AND AIR FILTERS; AND HIGH SIDE AIR CONDITIONING UNITS—NAMELY, THE COMPRESSING AND CONDENSING PORTIONS OF REFRIGERATION CYCLES CONSISTING OF COMPRESSORS, MOTORS, CONDENSERS, AND PRESSURE CONTROLS.
Claims use since March 1939.

Ser. No. 530,476. DEARBORN STOVE COMPANY, Dallas, Tex. Filed Aug. 5, 1947.

Dearborn

FOR SPACE HEATING GAS STOVES.
Claims use since Feb. 1, 1938.

Ser. No. 532,164. C. A. SCOGIN, doing business as Scogin Turbulator Mfg. Co., Kansas City, Mo. Filed Aug. 22, 1947.

Turbulator

FOR SPACE HEATERS.
Claims use since Aug. 15, 1945.

Ser. No. 533,430. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed July 5, 1947.

ZONE MASTER

Applicant claims ownership of registration No. 389,141.
FOR BOILERS AND FURNACES AND PARTS THEREOF, FOR BURNING SOLID AND FLUID FUELS.
Claims use since Jan. 29, 1938.

Ser. No. 533,441. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed July 5, 1947.

ZONE KING

Applicant claims ownership of registration No. 363,855.
FOR GAS AND OIL BURNING FURNACES AND BOILERS.
Claims use since Aug. 3, 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 540,257. COLUMBIA SALES CORPORATION, Pittsburgh, Pa. Filed Nov. 6, 1947.

union

FOR PNEUMATIC AUTOMOBILE TIRES AND TUBES.
Claims use since July 29, 1947.

Ser. No. 544,227. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Dec. 12, 1947.

AIRBORNE

FOR PNEUMATIC TIRES FOR VEHICLES.
Claims use since Jan. 14, 1947.

Ser. No. 544,913. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 19, 1947.

HERCULES

FOR AUTOMOBILE TIRES AND TUBES.
Claims use since June 1, 1926.

Ser. No. 547,745. MCCORD CORPORATION, Detroit, Mich. Filed Jan. 22, 1948. Under section 2f of the act of 1946.

McCORD

Applicant claims ownership of registrations Nos. 140,712 and 192,699.
FOR GASKETS AND OIL SEALS.
Claims use since 1919 on gaskets; and since April 1935 on oil seals.

Ser. No. 548,403. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Jan. 30, 1948. Under section 2f of the act of 1946.

Brentwood

Applicant claims ownership of registration No. 329,725.
FOR PNEUMATIC RUBBER TIRES FOR VEHICLES.
Claims use since June 1, 1934.

Ser. No. 549,436. THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Feb. 11, 1948. Under section 2f of the act of 1946.

KLOZURE

Applicant claims ownership of registration No. 332,864.
FOR PACKINGS, AND PARTICULARLY, OIL SEALING DEVICES USED TO SEAL JOINTS BETWEEN RELATIVELY MOVABLE MACHINE ELEMENTS.
Claims use since 1934.

Ser. No. 550,743. CHAS. A. SCHIEREN COMPANY, New York, N. Y. Filed Feb. 27, 1948.

BEAVER BELTING

No claim is made to the exclusive use of the word "Belting" apart from the mark. Applicant claims ownership of registration No. 110,691 (renewed).
FOR BELTING FOR POWER-TRANSMISSION PURPOSES.
Claims use since Mar. 1, 1907.

Ser. No. 556,745. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Jan. 30, 1948. Under section 2f of the act of 1946.

PHARIS

Applicant claims ownership of registrations Nos. 298,779, 336,271, and 389,132.
FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.
Claims use since May 1, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 537,393. AMERICAN WRITING PAPER CORPORATION, Holyoke, Mass. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

PEERLESS

Applicant claims ownership of registration No. 176,084.
FOR WRITING AND PRINTING PAPER.
Claims use since Mar. 2, 1917.

Ser. No. 539,146. A. W. FABER-CASTELL PENCIL COMPANY, INC., Newark, N. J. Filed Oct. 27, 1947.

octo

FOR RUBBER ERASERS.
Claims use since Aug. 15, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 529,848. AMERICAN AVIATION ASSOCIATES, INC., Washington, D. C. Filed July 29, 1947. Under section 2f of the act of 1946.



The lining on the drawing is for shading only. The diagrammatic representation of the periodical cover is disclaimed apart from the mark shown.
FOR PERIODICAL PUBLISHED TWICE EACH MONTH.
Claims use since June 1, 1937.

Ser. No. 544,075. THE GIBSON ART COMPANY, Cincinnati, Ohio. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

Gibson Gal

FOR GREETING CARDS.
Claims use since 1847 as to "Gibson"; and since Apr. 1, 1946, as shown.

Ser. No. 545,144. THE A. N. MARQUIS COMPANY, Chicago, Ill. Filed Dec. 22, 1947.

WHO'S WHO
IN
COMMERCE
AND
INDUSTRY

Applicant claims ownership of registrations Nos. 378,389, 378,391, and 378,392.
FOR PUBLICATION IN THE NATURE OF A DIRECTORY PUBLISHED FROM TIME TO TIME.
Claims use since Feb. 5, 1936.

Ser. No. 548,382. MAGAZINE ENTERPRISES, INC., New York, N. Y. Filed Jan. 30, 1948.



The representation of the figure and portrait are merely fanciful.
FOR COMIC MAGAZINE PUBLISHED FROM TIME TO TIME.
Claims use since Dec. 22, 1947.

Ser. No. 549,241. CYRIL E. GIBBONS Plainfield, N. J. Filed Feb. 10, 1948.

HOBBY TIME REVIEW

No claim is made to the word "Review" apart from the mark.
FOR MONTHLY MAGAZINE PUBLICATION.
Claims use since Feb. 1, 1948.

Ser. No. 549,707. BROWN & BIGELOW, St. Paul, Minn. Filed Feb. 14, 1948. Under section 2f of the act of 1946.

HOUSEHOLD HINT

Applicant claims ownership of registration No. 237,852.
FOR WALL CALENDARS.
Claims use since Dec. 27, 1926.

Ser. No. 549,731. HERCULES POWDER COMPANY, Wilmington, Del. Filed Feb. 14, 1948.



The lining on the drawing represents shading only, and is not intended to depict color.
FOR A PERIODICAL.
Claims use since March 1923.

Ser. No. 551,318. HARRY LANE SIEGEL, doing business as Eastburn & Siegel, Atlanta, Ga. Filed Mar. 5, 1948. The drawing is lined for shading.

SELL

FOR MAGAZINE PUBLISHED MONTHLY AND CONTAINING ITEMS OF GENERAL INTEREST IN CONNECTION WITH ADVERTISING.
Claims use since 1931.

Ser. No. 551,503. JAMES E. WILLIAMS, Boothwyn, Pa. Filed Mar. 8, 1948.

GIFTETTE

FOR GREETING CARDS CONTAINING SMALL GIFTS.
Claims use since Jan. 13, 1948.

Ser. No. 551,876. DUN & BRADSTREET, INC., New York, N. Y. Filed Mar. 13, 1948.



The horizontal lining on the drawing indicates shading.
FOR MAGAZINES, LEAFLETS, AND REPORTS CONCERNING BUSINESS AND TRADE STATISTICS, CREDIT INFORMATION AND CONDITIONS, NEWS AND REVIEWS.
Claims use since May 1, 1932.

Ser. No. 552,919. HEARST MAGAZINES INC., New York, N. Y. Filed Mar. 10, 1948.

Male tested fashions

Applicant disclaims the word "Fashions" apart from its use in the mark.
FOR REGULAR MAGAZINE SECTION, FEATURE, OR DEPARTMENT.
Claims use since April 1946.

CLASS 39

CLOTHING

Ser. No. 506,809. FREEMAN SHOE CORPORATION, Beloit, Wis. Filed Aug. 25, 1947.

KINGS GUARD

FOR MEN'S SHOES CONSTRUCTED OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since June 7, 1946.

Ser. No. 527,386. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo. Filed July 5, 1947.



Applicant makes no claim to the exclusive use of the word "Shoe" when disassociated from other features of the mark. Applicant claims ownership of registration No. 357,386.

FOR SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER OR FABRIC.

Claim use since Aug. 1, 1936.

Ser. No. 529,420. STAR-MAID DRESSES, INC., New York, N. Y. Filed July 24, 1947. Under section 2f of the act of 1946.

"CASUAL AMERICANA"

No claim is made to the exclusive use of the word "Casual." Applicant claims ownership of registration No. 372,013.

FOR WOMEN'S AND MISSES' DRESSES, COATS, JACKETS, SKIRTS AND BLOUSES.

Claims use since Jan. 23, 1939.

Ser. No. 529,711. C. B. SHANE CORPORATION, Chicago, Ill. Filed July 26, 1947.

Royal Alpaca

The word "Alpaca" is disclaimed. Applicant claims ownership of registration No. 386,988.

FOR OVERCOATS AND TOPCOATS FOR MEN AND WOMEN MADE IN SUBSTANTIAL PART OF ALPACA.

Claims use since Oct. 21, 1940.

Ser. No. 530,561. POOL MANUFACTURING COMPANY, Sherman, Tex. Filed Aug. 5, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of registration No. 236,938.

FOR WORK PANTS, WORK SHIRTS, AND ONE-PIECE WORK SUITS FOR MEN AND BOYS.

Claims use since January 1926.

Ser. No. 532,272. BROWN SHOE COMPANY, INC., St. Louis, Mo. Filed Aug. 25, 1947.

Mound City Shoe

The word "Shoe" is disclaimed except in the association shown.

FOR LEATHER SHOES.

Claims use since February 1905.

Ser. No. 532,641. J. SCHOENEMAN, INC., Baltimore, Md. Filed Aug. 27, 1947.

The Kelter

Applicant claims ownership of registration No. 203,789.

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS AND OVERCOATS FOR MEN, YOUTHS AND BOYS.

Claims use since May 1924.

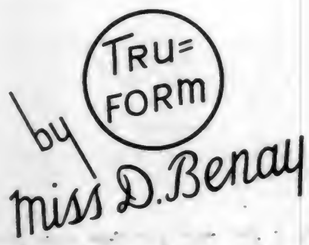
Ser. No. 532,651. SMITH BROTHERS MANUFACTURING COMPANY, Carthage, Mo. Filed Aug. 27, 1947.

Buckaroo

FOR OVERALLS OF WESTERN OR COWBOY TYPE FOR MEN AND BOYS.

Claims use since September 1925.

Ser. No. 533,824. DU BENAY UNDERGARMENT, INC., New York, N. Y. Filed Sept. 8, 1947. Under section 2f of the act of 1946.

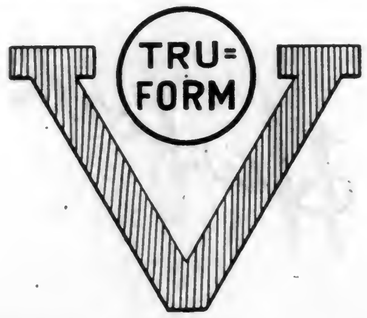


The words "Tru-Form" are disclaimed apart from the mark. Applicant claims ownership of registration No. 403,349.

FOR LADIES' AND MISSES' SLIPS AND NIGHTGOWNS.

Claims use since Feb. 1, 1937.

Ser. No. 534,884. DU BENAY UNDERGARMENT, INC., New York, N. Y. Filed Sept. 18, 1947.



The words "Tru-Form" are disclaimed apart from the mark. The drawing is lined to represent the color red.

FOR LADIES' AND MISSES' SLIPS AND NIGHTGOWNS.

Claims use since Sept. 24, 1945.

Ser. No. 535,650. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

Fairfield

Applicant claims ownership of registration No. 192,488.

FOR MISSES' SHOES MADE OF LEATHER.

Claims use since Oct. 13, 1923.

Ser. No. 538,659. FRANK H. PFEIFFER CO. INC., Worcester, Mass. Filed Oct. 22, 1947.

PUFFS

FOR SLIPPERS.

Claims use since July 30, 1940.

Ser. No. 539,154. GUILFORD HOSIERY MILLS, Inc., High Point, N. C. Filed Oct. 27, 1947.

CAPSALL

FOR HOSIERY.

Claims use since June 18, 1942.

Ser. No. 539,256. CHESTER BARRIE, INC., New York, N. Y. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

Pashy

Applicant claims ownership of registration No. 346,918.

FOR CLOTHING AND ACCESSORIES—NAMELY, MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TUXEDOS, DRESS SUITS, MORNING COATS, SPORT SUITS, AND TOPCOATS.

Claims use since June 15, 1935.

Ser. No. 540,033. BLACKTON-FIFTH AVENUE, LTD., New York, N. Y. Filed Nov. 4, 1947. Under section 2f of the act of 1946.

BLACKTON

FOR CORSETS, GIRDLES, BRASSIÈRES, FOUNDATIONS, BANDEAUX, GARTER BELTS, HOUSECOATS, LOUNGING ROBES, HOSTESS GOWNS, LOUNGING PAJAMAS, NIGHT GOWNS, SLIPS, PANTIES, PETTICOATS, CAMISOLES, PAJAMAS, BATHING SUITS, BATHING CAPS, BEACH ROBES, PLAY SUITS, HALTERS, PLAY SHOES, AND HOSIERY.

Claims use since May 1927.

Ser. No. 541,594. SISSON BROS.-WELDEN COMPANY, INC., Binghamton, N. Y. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

Babs Taylor

The trade-mark "Babs Taylor" is fanciful. Applicant claims ownership of registration No. 406,984.

FOR WOMEN'S DRESSES, COATS, EVENING DRESSES, EVENING WRAPS, FUR COATS, JUNIOR MISSES' DRESSES, HOUSECOATS, BLOUSES, DINNER BLOUSES, SLACKS, OUTER SHIRTS, SWEATERS, OUTER SKIRTS, SPORT HATS, SPORT COATS, HOSIERY, SLIPS, PANTIES, BRASSIÈRES, AND NIGHTGOWNS.

Claims use since Nov. 10, 1942.

Ser. No. 543,048. ADES-LEXINGTON DRY GOODS CO., Lexington, Ky. Filed Dec. 3, 1947.



Applicant claims ownership of registration No. 233,021.

FOR SHOES AND OVERALLS.

Claims use since Feb. 24, 1927.

Ser. No. 546,526. STAR FASHIONS OF HOLLYWOOD, INC., Los Angeles, Calif. Filed Jan. 8, 1948.

SPIDER WEB

FOR BRASSIÈRES.
Claims use since Dec. 15, 1947.

Ser. No. 546,541. ARTEX PRODUCTS, Philadelphia, Pa. Filed Jan. 9, 1948.

PUFFIES

FOR BEDROOM SLIPPERS.
Claims use since Oct. 6, 1947.

Ser. No. 548,413. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Jan. 30, 1948.

Poploom

FOR PRINCESS SLIPS, NIGHTGOWNS, LADIES' UNIFORMS FOR WORK PURPOSES, PAJAMAS, AND CHEMISES.
Claims use since Jan. 5, 1948.

Ser. No. 549,158. THE LA-LO COMPANY, Kansas City, Mo. Filed Feb. 9, 1948.

"Pamper Jacket"

The word "Jacket" is disclaimed apart from the mark shown.
FOR BED JACKETS.
Claims use since Nov. 6, 1947.

Ser. No. 550,149. MORRIS JACOBS, doing business as Jacobs Furs & Co., New York, N. Y. Filed Feb. 19, 1948.

WINTERSET

FOR FUR COATS.
Claims use since Oct. 15, 1947.

Ser. No. 552,769. HARFORD FROCKS, INC., Cincinnati, Ohio. Filed Mar. 23, 1948. Under section 2f of the act of 1946.

Harford

Applicant claims ownership of registration No. 214,705.
FOR WOMEN'S, MISSES', AND JUNIOR MISSES' DRESSES, SUITS, COATS, JACKETS, SKIRTS, BLOUSES, HOUSE-COATS, SMOCKS, AND HOSIERY.
Claims use since Mar. 1, 1925.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 497,897. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Filed Sept. 22, 1947.

THE DOT LINE

The word "Line" is disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 121,544 and 127,721.
FOR BUCKLES, BUTTONS, CLASPS, SLIDER CLIPS, EYELETS, AND FASTENERS OF VARIOUS TYPES, MADE OF BASE METAL WITH AND WITHOUT FABRIC, LEATHER, AND PLASTIC COMPONENTS, AND NON-PRECIOUS ORNAMENTS FOR USE ON GARMENTS, CURTAINS, AND THE LIKE.
Claims use since Apr. 18, 1919.

Ser. No. 513,971. FORMS INCORPORATED, Los Angeles, Calif. Filed July 15, 1948.

Accentuettes

FOR BUST FORMS.
Claims use since Sept. 17, 1946.

Ser. No. 538,462. SOCIÉTÉ FRANÇAISE DITE: "CHRISTIAN DIOR," Paris, France. Filed Oct. 20, 1947.

HOODWINK

Applicant claims ownership of French registration No. 380,524, dated Sept. 29,1947.
FOR MAKE-UP CAPES.

Ser. No. 551,010. HERO MFG. CO., INC., Middleboro, Mass. Filed Mar. 2, 1948.

"Malte-Set"

The word "Set" is disclaimed apart from the mark.
FOR HAIRPIN LOOMS FOR CROCHETING.
Claims use since Jan. 21, 1948.

Ser. No. 552,115. MARGARET BRISTOL, New York, N. Y. Filed Mar. 17, 1948.

MARGA KNIT-KIT

No claim is made to the term "Knit-Kit" apart from the mark shown.
FOR KNITTER'S UTILITY KIT CONSISTING OF KNITTING NEEDLES, SLIDING DISC RECORDING DEVICE FOR KEEPING COUNT OF ROWS KNITTED, PAIR OF SCISSORS, AND A SUPPLY OF YARN.
Claims use since Nov. 22, 1947.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 492,448. LYNN UMBRELLA MFG. CO., Boston, Mass. Filed Oct. 31, 1947. Under section 2f of the act of 1946.



The representation of the goods is disclaimed apart from the mark. Applicant claims ownership of registration No. 358,623.
FOR UMBRELLAS.
Claims use since 1906 as to Lynn; and since September 15, 1945 as to the mark as shown.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 530,287. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y. Filed Aug. 2, 1947.



The mark shown is the representation of a fictitious man seated at a loom. Applicant claims ownership of registration No. 156,419.
FOR PILE FABRICS IN THE PIECE OF VARIOUS COMBINATIONS OF MOHAIR, COTTON, WORSTED, ALPACA, RAYON, AND SILK; AND TEXTILE RUGS.
Claims use since May 1, 1920.

Ser. No. 530,289. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y. Filed Aug. 2, 1947.

MOSSTRED

Applicant claims ownership of registration No. 290,972.
FOR PILE FABRICS IN THE PIECE OF WORSTED AND COTTON; AND TEXTILE RUGS.
Claims use since Sept. 9, 1931.

Ser. No. 531,096. CHARMETTE FABRICS COMPANY, INC., New York, N. Y. Filed Aug. 12, 1947.

CHARM KRUZ

Applicant claims ownership of registrations Nos. 228,309 and 357,489.
FOR PIECE GOODS OF RAYON, SPUN RAYON, AND COMBINATIONS THEREOF.
Claims use since July 17, 1947.

Ser. No. 532,118. BOTANY MILLS, INC., Passaic, N. J. Filed Aug. 22, 1947. Under section 2f of the act of 1946.

BOTANY MILLS, INC. B M PASSAIC, N. J.

The words "Mills, Inc." and "Passaic, N. J." are disclaimed. Applicant claims ownership of registrations Nos. 52,712, 75,638, 83,319, 106,736, 284,694, and 332,411.
FOR WOOLEN PIECE GOODS.
Claims use since May 29, 1947.

Ser. No. 534,386. J. P. STEVENS & CO., INC., New York, N. Y. Filed Sept. 11, 1947.

FRANKLIN

FOR WOOLEN FABRICS FOR MEN'S AND WOMEN'S WEAR AND FOR CASKET CLOTHS.
Claims use since 1870.

Ser. No. 536,807. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

ALIBI

FOR TAG CLOTH.
Claims use since 1914.

Ser. No. 536,812. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

IVA

FOR LABEL CLOTH.
Claims use since 1914.

Ser. No. 536,813. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

PILLOTEX

FOR LABEL CLOTH.
Claims use since 1930.

Ser. No. 536,815. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

WAVE

FOR LABEL CLOTH.
Claims use since 1914.

Ser. No. 536,818. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

PARMOLE

FOR COATED AND WATERPROOFED CLOTH.
Claims use since 1936.

Ser. No. 537,527. WEST POINT MANUFACTURING COMPANY, West Point, Ga. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

FAIRFAX

Applicant claims ownership of registrations Nos. 156,825 and 301,572.
FOR CRASH, TOWELS, AND TOWELING.
Claims use since June 17, 1917.

Ser. No. 542,278. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 25, 1947.

CELWAY

Applicant claims ownership of registration No. 386,315.
FOR PIECE GOODS MADE OF CELLULOSE ACETATE TYPE YARNS ALONE AND IN ADMIXTURE WITH COTTON, WOOL, SILK, OR RAYON.
Claims use since Oct. 31, 1947.

Ser. No. 548,750. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Feb. 4, 1948.

Decorette

Applicant claims ownership of registration No. 399,667.
FOR TEXTILE RUGS.
Claims use since Dec. 20, 1947.

Ser. No. 553,734. NYE-WAIT COMPANY, INC., Auburn, N. Y. Filed Apr. 2, 1948.

SPLENDANTE

FOR TEXTILE RUGS AND CARPETS.
Claims use since Mar. 9, 1948.

Ser. No. 554,069. ALDON RUG MILLS, INC., Philadelphia, Pa. Filed Apr. 8, 1948.



Concord

FOR TEXTILE RUGS AND CARPETS.
Claims use since Nov. 4, 1946.

Ser. No. 559,199. JOHN WOLF TEXTILES, INC., New York, N. Y. Filed June 14, 1948.

Worthtex

FOR COTTON GOODS IN THE PIECE AND DRAPERY FABRICS OF COTTON AND RAYON.
Claims use since June 4, 1948.

CLASS 43

THREAD AND YARN

Ser. No. 548,014. JOEL M. PHILIPS, doing business as Advance Silk Co., New York, N. Y. Filed Jan. 26, 1948.

ADVANCE

FOR NYLON THREAD.
Claims use since Dec. 18, 1947.

Ser. No. 553,148. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

BURTON

FOR SPOOL COTTON OR SEWING THREAD.
Claims use since October 1905.

Ser. No. 553,150. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

HANOVER

Applicant claims ownership of registration No. 162,657.
FOR SPOOL COTTON.
Claims use since 1912.

Ser. No. 553,151. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

LONSDALE

FOR SPOOL COTTON OR SEWING THREAD.
Claims use since October 1905.

Ser. No. 553,152. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

MEDFORD

FOR SPOOL COTTON OR SEWING THREAD.
Claims use since October 1905.

Ser. No. 553,153. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

TEKOA

Applicant claims ownership of registration No. 163,545.
FOR SPOOL COTTON.
Claims use since 1914.

Ser. No. 553,154. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

WARWICK

Applicant claims ownership of registration No. 162,659.
FOR SPOOL COTTON.
Claims use since 1907.

Ser. No. 553,439. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 30, 1948. Under section 2f of the act of 1946.

BLACKSTONE

FOR SPOOL COTTON OR SEWING THREAD.
Claims use since October 1905.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 530,455. THE BERGER BROTHERS COMPANY, New Haven, Conn. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

SPENCER

Applicant claims ownership of registration No. 198,371.
FOR ABDOMINAL BELTS, ORTHOPEDIC BODY BRACES, BINDERS, SURGICAL, MEDICAL, AND ORTHOPEDIC SUPPORTS, SURGICAL CORSETS, AND CONTROL GARMENTS.
Claims use since Aug. 31, 1904.

Ser. No. 534,862. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Sept. 18, 1947. Under section 2f of the act of 1946.

CLEANEASY

FOR NURSING BOTTLES.
Claims use since Jan. 1, 1907.

Ser. No. 538,858. BECTON DICKINSON AND COMPANY. Rutherford, N. J. Filed Oct. 24, 1947.

ACME

Applicant claims ownership of registration No. 412,461.
FOR HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, RUBBER BULB SYRINGES, AND ELASTIC BANDAGES.
Claims use since 1911.

Ser. No. 545,968. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

Patterson
X-RAY
Screens

No claim is made to the words "X-Ray Screens" apart from the mark.
FOR INTENSIFYING AND FLUOROSCOPIC SCREENS FOR MEDICAL RADIOGRAPHY.
Claims use since May 13, 1925.

Ser. No. 550,949. RICHARD L. RANK, doing business as The Surex Manufacturing Co., St. Louis, Mo. Filed Mar. 1, 1948.

SUREX

FOR SANITARY BELTS AND CLASPS THEREFOR.
Claims use since Jan. 22, 1948.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 527,330. BOOTH BOTTLING COMPANY, INC., Philadelphia, Pa. Filed July 5, 1947. Under section 2f of the act of 1946.



The lining is for shading purposes only. Applicant claims ownership of registration No. 278,030.
FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND CARBONATED WATER.
Claims use since 1934.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 509,018. MARTEL FOOD CORPORATION, New York, N. Y. Filed Jan. 19, 1948.

Tangisip

FOR CANNED TANGERINE JUICE.
Claims use since May 13, 1946.

Ser. No. 517,174. ALLIED MILLS, INC., Chicago, Ill. Filed July 29, 1947.

SPRING PASTURE

Applicant claims ownership of registration No. 70,419 (renewed).
FOR VITAMIN AND PROTEIN SUPPLEMENT POULTRY FEED, CONTAINING ALFALFA MEAL, CERTAIN WHEAT PRODUCTS, FISH, MEAT AND VITAMINS.
Claims use since Dec. 30, 1946.

Ser. No. 523,522. C. C. GRABER CO., Ontario, Calif. Filed Feb. 25, 1948. Under section 2f of the act of 1946.

Graber

FOR CANNED OLIVES.
Claims use since 1907.

Ser. No. 526,271. MICHIGAN FRUIT CANNERS, INC., Benton Harbor, Mich. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

SOUTH HAVEN

Applicant claims ownership of registration No. 223,052.
FOR CANNED FRUITS (EXCEPT PEACHES) AND CANNED VEGETABLES, TOMATO JUICE.
Claims use since July 1916.

Ser. No. 527,898. SQUIRE DINGEE COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

Ma Brown

Applicant claims ownership of registrations Nos. 210,183, 212,450, 216,720, 247,104, 289,843, and 346,399.
FOR PICKLES, MUSTARD, PICKLE RELISH, FRUIT JELLIES, FRUIT PRESERVES, AND FRUIT JAMS.
Claims use since Mar. 31, 1925.

Ser. No. 529,583. BOWMAN DAIRY COMPANY, Chicago, Ill. Filed July 26, 1947. Under section 2f of the act of 1946.

UPC

FOR POWDERED MILK PRODUCT USEFUL IN BAKERY PRODUCTS AND IN OTHER FOODS.
Claims use since Nov. 1, 1936.

Ser. No. 532,212. CANOVA FOODS, INC., Memphis, Tenn. Filed Aug. 23, 1947, Under section 2f of the act of 1946.

CANOVA

Applicant claims ownership of registrations Nos. 238,953, 233,460, and 214,065.
FOR SPICES, TEA, EXTRACTS FOR FLAVORING FOODS, PEANUT BUTTER, SALTED PEANUTS, PUDDING POWDERS ADAPTED FOR USE IN MAKING FILLING FOR PIES AND FOR MAKING ICE CREAM AND OTHER DESSERTS.
Claims use since November 1907.

Ser. No. 532,486. THE PAGE MILK CO., Merrill, Wis. Filed Aug. 26, 1947. Under section 2f of the act of 1946.

PAGE-LAC

The word "Lac" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 334,037.
FOR SPRAY POWDERED SKIM MILK.
Claims use since 1928.

Ser. No. 532,487. THE PAGE MILK CO., Merrill, Wis. Filed Aug. 26, 1947. Under section 2f of the act of 1946.

Page

Applicant claims ownership of registration No. 227,132.
FOR EVAPORATED MILK.
Claims use since October 1917.

Ser. No. 535,346. OREGON PRODUCE COMPANY, San Francisco, Calif. Filed Sept. 23, 1947.



FOR FRESH LETTUCE.
Claims use since June 16, 1947.

Ser. No. 535,484. CHICKASHA MILLING COMPANY, Chickasha, Okla. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

CHICKASHA

FOR HARD WHEAT FLOUR.
Claims use since Jan. 16, 1915.

Ser. No. 536,222. BARFIELD FARMS, Perrine, Fla. Filed Sept. 30, 1947.

Blue Sky

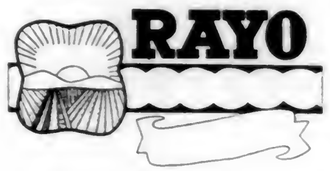
FOR FRESH TOMATOES.
Claims use since Feb. 1, 1937.

Ser. No. 536,576. THE BLAIR MILLING COMPANY, Atchison, Kans. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

Blair's Best

The word "Best" is disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 301,112 and 145,497.
FOR WHEAT FLOUR.
Claims use since July 19, 1929.

Ser. No. 536,940. EFFIE L. MARTIN, doing business as Martin Ranch, Fresno, Calif. Filed Oct. 6, 1947.



Applicant claims ownership of registrations Nos. 214,776 and 221,599.
FOR FRESH CITRUS FRUITS.
Claims use since November 1946.

Ser. No. 538,177. PEARL ROSENBERG, doing business as Good Eatin' Dog Food Co., Philadelphia, Pa. Filed Oct. 17, 1947.



FOR DOG FOOD.
Claims use since Apr. 10, 1944.

Ser. No. 538,178. PEARL ROSENBERG, doing business as Good Eatin' Dog Food Co., Philadelphia, Pa. Filed Oct. 17, 1947.

CAP'N

FOR DOG FOOD.
Claims use since Apr. 10, 1944.

Ser. No. 538,885. CARPINTERIA MUTUAL CITRUS ASSOCIATION, Carpinteria, Calif. Filed Oct. 24, 1947.

ALISO

FOR FRESH CITRUS FRUITS.
Claims use since 1928.

Ser. No. 539,131. HARRY CARIAN, Coachella, Calif. Filed Oct. 27, 1947.

RANCHO de ORO

FOR FRESH GRAPES.
Claims use since June 21, 1943.

Ser. No. 539,298. EL RANCHITO CITRUS ASSOCIATION, Rivera, Calif. Filed Oct. 28, 1947.

MONTEZUMA

FOR FRESH CITRUS FRUITS.
Claims use since 1911.

Ser. No. 539,299. EL RANCHITO CITRUS ASSOCIATION, Rivera, Calif. Filed Oct. 28, 1947.

STÉLA

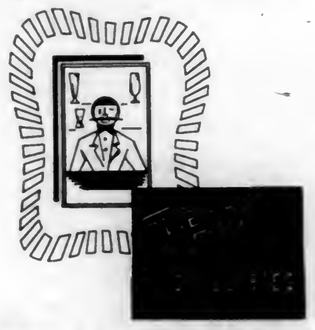
FOR FRESH CITRUS FRUITS.
Claims use since 1912.

Ser. No. 539,300. EL RANCHITO CITRUS ASSOCIATION, Rivera, Calif. Filed Oct. 28, 1947.

TOLTEC

FOR FRESH CITRUS FRUITS.
Claims use since 1912.

Ser. No. 540,846. AUNT MARTHA, Broomall, Pa. Filed Nov. 12, 1947.



The picture of the man is fanciful. No claim is made to the words "Chocolates," and "Excellence" apart from the mark.
FOR CANDY.
Claims use since Nov. 4, 1947.

Ser. No. 541,258. OSCAR M. BURKE, doing business as Tisbury Farm, Vineyard Haven, Mass. Filed Nov. 15, 1947.

Vineyard

FOR LIVE TURKEYS AND DRESSED TURKEYS.
Claims use since 1939.

Ser. No. 542,017. EDISON VEGETABLE GROWERS, INC., Edison, Calif. Filed Nov. 22, 1947.

INVENTOR

FOR FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, AND FRESH VEGETABLES.
Claims use since Sept. 10, 1947.

Ser. No. 542,417. JULES WEBER, INC., New York, N. Y. Filed Sept. 22, 1947.

CONNOISSEUR

Applicant claims ownership of registrations Nos. 132,858 (renewed) and 317,514.
FOR CANNED FRUIT SUCH AS APPLES, PLUMS, APRICOTS, PEACHES, PEARS, PINEAPPLE, CHERRIES; CANNED VEGETABLES SUCH AS CARROTS, PEAS, BEANS, SPINACH, BEETS, CORN, OKRA, PUMPKINS, SUCCOTASH, AND TOMATOES; CANNED FISH AND SHELLFISH SUCH AS SARDINES, SALMON, TUNA FISH, CRAB MEAT, LOBSTER, SHAD ROE; FRUIT AND VEGETABLE JUICES; MAYONNAISE; SALAD DRESSING; PICKLES; CANNED SMALL ONIONS; SAUERKRAUT; DRY FRUITS; FRUIT PRESERVES SUCH AS JELLIES, JAMS, CURRANT JELLY, STRAWBERRY, RASPBERRY, ETC.; CONDIMENTS—NAMELY, HORSE RADISH, OLIVES, PURE CIDER VINEGAR, CAPERS; COFFEES AND TEAS; CHOCOLATE; COTTONSEED OIL FOR FOOD PURPOSES.
Claims use since August 1913.

Ser. No. 542,560. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Nov. 28, 1947.

A&P BREAD

No claim is made to the exclusive use of the word "Bread" apart from the mark shown. Applicant claims ownership of registrations Nos. 62,926, 63,071, 63,309, 142,436, 198,278, 216,257, 339,101, and 392,613.
FOR BREAD.
Claims use since May 20, 1936.

Ser. No. 542,815. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio. Filed Dec. 1, 1947.

WINCO

FOR WINTERIZED COTTONSEED SALAD AND COOKING OIL.
Claims use since Jan. 1, 1926.

Ser. No. 543,322. THE PHILADELPHIA CHEWING GUM CORPORATION, Philadelphia, Pa. Filed Dec. 4, 1947.

BIG DEAL

FOR CHEWING GUM.
Claims use since Apr. 5, 1947.

Ser. No. 543,743. J. E. POGUE PACKING HOUSE, also doing business as J. E. Pogue, Lemon Cove, Calif. Filed Dec. 8, 1947.

SAWTOOTH

FOR FRESH CITRUS FRUITS.
Claims use since 1925.

Ser. No. 543,744. J. E. POGUE PACKING HOUSE, Lemon Cove, Calif. Filed Dec. 8, 1947.

MINERAL KING

FOR FRESH CITRUS FRUITS.
Claims use since 1914.

Ser. No. 543,908. WILLIAM C. EAKLE, doing business as Grande Valley Citrus Co., Mission, Tex. Filed Dec. 10, 1947.

Candelyn

FOR FRESH CITRUS FRUITS—NAMELY, GRAPEFRUIT, ORANGES, LEMONS, AND TANGERINES.
Claims use since Oct. 25, 1947.

Ser. No. 545,073. AGNES M. BEATTIE, doing business as D. A. Beattie Association, Porterville, Calif. Filed Dec. 22, 1947.

A·M·B

FOR FRESH CITRUS FRUITS.
Claims use since 1945.

Ser. No. 545,074. AGNES M. BEATTIE, doing business as D. A. Beattie Association, and as Dr. D. A. Beattie, Porterville, Calif. Filed Dec. 22, 1947.

HILLSWEET

FOR FRESH CITRUS FRUITS.
Claims use since 1927.

Ser. No. 545,101. DIMMIT COUNTY COOPERATIVE, INC., Asherton, Tex. Filed Dec. 22, 1947. COLLECTIVE MARK.

Dimco

FOR FRESH TOMATOES.
Claims use since Nov. 4, 1947.

CLASS 47

WINES

Ser. No. 539,349. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

RENAULT'S
AMERICAN OLD RESERVE

Applicant claims ownership of registration No. 356,371.
FOR WINES.
Claims use since Jan. 21, 1936.

CLASS 49

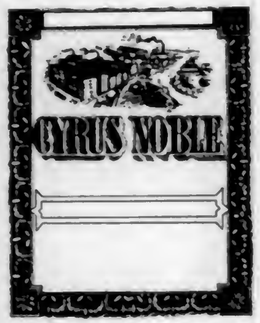
DISTILLED ALCOHOLIC LIQUORS

Ser. No. 510,287. W. A. TAYLOR & COMPANY, New York, N. Y. Filed Aug. 25, 1947.

MARACA

FOR RUM.
Claims use since Aug. 25, 1941.

Ser. No. 519,270. HAAS BROTHERS, San Francisco, Calif. Filed Dec. 6, 1947. Under section 2f of the act of 1946.



The personal name is fanciful. Applicant claims ownership of registration No. 310,245.
FOR WHISKEY.
Claims use since 1871.

CLASS 55

SERVICES

Ser. No. 527,267. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del. Filed July 5, 1947. SERVICE MARK. Under section 2f of the act of 1946.



The applicant disclaims the words "Finance Co." except as such words are used in combination with the word "Personal." The drawing is lined for the color black.
FOR SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN, AND INSTALMENT CREDIT BUSINESS.
Claims use since June 20, 1947.

Ser. No. 528,081. MCCULLOUGH TOOL COMPANY, Los Angeles, Calif. Filed July 7, 1947. SERVICE MARK. Under secttion 2f of the act of 1946.

McCullough

FOR SERVICES RENDERED IN CONNECTION WITH OIL WELLS—NAMELY, TESTING SERVICES FOR OIL WELL CASINGS, TUBING DRILL PIPES, AND LINERS; AND GUN PERFORATOR TEST SERVICES.
Claims use since 1927.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,620. MECHANICAL LIQUID FILTERING EQUIPMENT FOR GENERAL INDUSTRIAL OPERATIONS AND REPLACEMENT PARTS THEREFOR—NAMELY, BEARINGS, VALVES AND DRUM SECTIONS. PETERSON FILTERS AND ENGINEERING CO., Salt Lake City, Utah.
Filed June 15, 1943. Serial No. 461,419. PUBLISHED SEPTEMBER 30, 1947. Class 31.

441,621. ROLL AND SHINGLE ROOFING COMPOSED OF RAGS, FIBER AND ASPHALT IN COMBINATION. AMERICAN ASPHALT ROOF CORPORATION, Kansas City, Mo.
Filed October 7, 1944. Serial No. 475,037. PUBLISHED JUNE 29, 1948. Class 12.

441,622. MEN'S TALCUM POWDER, HAIR TONIC, AFTER SHAVE LOTION, DEODORANTS AND COLOGNE. HENRY F. TAYLOR, Glendale, Calif.
Filed October 25, 1944. Serial No. 475,705. PUBLISHED JULY 3, 1945. Class 6.

441,623. ADVERTISING LEAFLETS SOLD AS SUCH, ADVERTISING REPRINTS SOLD AS SUCH, SALES MANUAL, AND HOUSE ORGAN PRINTED PERIODICALLY. MULLINS MANUFACTURING CORPORATION, Salem and Warren, Ohio.
Filed November 25, 1944. Serial No. 476,877. PUBLISHED AUGUST 31, 1948. Class 38.

441,624. SEED CORN. KENNETH FURR, doing business as Furr Hybrids, Genoa, Ill.
Filed March 30, 1945. Serial No. 481,530. PUBLISHED AUGUST 24, 1948. Class 1.

441,625. ASPHALT COMPOSITIONS—NAMELY, PLASTIC CEMENT, FOR SEALING STRUCTURAL SURFACES. EDWARD L. BLUM, doing business as Baltimore Salvage Company, Baltimore, Md., assignor to Baltimore Salvage Co. Inc., Baltimore, Md., a corporation of Maryland.
Filed July 30, 1945. Serial No. 486,454. PUBLISHED AUGUST 17, 1948. Class 12.

441,626. REFRIGERATION APPARATUS PARTICULARLY DESIGNED FOR COOLING METAL ARTICLES TO SUBZERO TEMPERATURES BY MEANS OF LIQUEFIED GASES TO SHRINK THE ARTICLES, INCREASE THEIR HARDNESS, OR STABILIZE THEIR SIZE. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y.
Filed August 2, 1945. Serial No. 486,625. PUBLISHED SEPTEMBER 7, 1948. Class 31.

441,627. STORAGE CABINETS, STANDS IN THE NATURE OF FURNITURE, CUPBOARDS, AND CELLARETS FOR HOME AND OFFICE USE. GRIFFIN ENGINEERING COMPANY, INC., Worthington, Ind.
Filed October 24, 1945. Serial No. 490,429. PUBLISHED SEPTEMBER 14, 1948. Class 32.

441,628. STORAGE CABINETS, CUPBOARDS, CHAIRS FOR HOUSEHOLD USE, AND STANDS AND TABLES IN THE NATURE OF FURNITURE FOR HOME AND OFFICE USE. GRIFFIN ENGINEERING COMPANY, INC., Worthington, Ind.
Filed October 24, 1945. Serial No. 490,430. PUBLISHED SEPTEMBER 14, 1948. Class 32.

441,629. BRAND OF MANNITOL HEXANITRATE, ALONE AND IN COMBINATION WITH PHENOBARBITAL, IN THE FORM OF TABLETS USED IN THE ALLEVIATION OF CONDITIONS OF HYPERTENSION. MANNITONE CORPORATION, Philadelphia, Pa., now by change of name to Leedom & Wissler, Inc.
Filed October 25, 1945. Serial No. 490,500. PUBLISHED FEBRUARY 26, 1946. Class 6.

441,630. FUR SKINS. HARRY ATKINS, Chicago, Ill.
Filed December 17, 1945. Serial No. 493,423. PUBLISHED AUGUST 31, 1948. Class 1.

441,631. LIQUID STARCH FOR LAUNDRY PURPOSES. CANDY CRAFTERS, INC., Lansdowne, Pa.
Filed February 8, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 496,196. PUBLISHED JUNE 18, 1946. Class 6.

441,632. SALTED PEANUTS. JAMES M. MATHES, doing business as Durham Peanut Products Company, Durham, N. C.
Filed March 5, 1946. Serial No. 497,672. PUBLISHED SEPTEMBER 21, 1948. Class 46.

441,633. MECHANICAL GAMES—NAMELY, BASE BALL, AIRPLANE, AND FOOT BALL, WHEREIN THE OPERATOR OPERATES A PLUNGER TO SET A MISSILE IN MOTION; ETC. ACADEMY AWARD PRODUCTS, INC., New York, N. Y.
Filed April 17, 1946. Serial No. 500,349. PUBLISHED AUGUST 17, 1948. Class 22.

441,634. CHEMICAL PREPARATIONS FOR USE IN CONSERVATIVE DENTISTRY TO ENSURE PROTECTION AND CONSERVATION OF DENTINAL AND PULP TISSUES, BEING DENTAL PREPARATIONS FOR THE TREATMENT OF TEETH AS A CAVITY LINING. THE AMALGAMATED DENTAL COMPANY, LIMITED, London, England.
Filed May 28, 1946. Serial No. 502,868. PUBLISHED SEPTEMBER 14, 1948. Class 44.

441,635. SHEET MATERIAL COMPOUNDED OF RUBBER FOR GREAT RESISTANCE TO WEAR AND ABRASION AS A FLOOR COVERING TO BE AFFIXED WITH A CEMENTING MIXTURE. L. E. WARFORD, doing business as Melflex Products Company, Akron, Ohio, assignor to Melflex Products Company, Akron, Ohio, a corporation of Ohio.
Filed June 27, 1946. Serial No. 504,722. PUBLISHED SEPTEMBER 14, 1948. Class 20.

441,636. PURE LIQUID VANILLA EXTRACTS FOR FOOD FLAVORING PURPOSES, GELATIN DESSERT POWDERS, PUDDING POWDERS, AND FOOD FLAVORING HORSERADISH. W. S. HOWARD COMPANY, Madison, Wis., assignor to Red Dot Foods, Inc., Madison, Wis., a corporation of Wisconsin.
Filed July 15, 1946. Serial No. 505,652. PUBLISHED MARCH 16, 1948. Class 46.

441,637. GIFT WRAPPINGS—NAMELY, GIFT WRAPPING PAPER, BLANK GIFT TAGS, BLANK GIFT LABELS, BLANK GIFT CARDS; AND WRITING PAPER AND ENVELOPES. MAYFLOWER MANUFACTURING COMPANY, Dallas, Tex.
Filed August 3, 1946. Serial No. 506,825. PUBLISHED SEPTEMBER 14, 1948. Class 37.

441,638. HAIR COLORS, HAIR TONICS, LOTIONS FOR THE TREATMENT OF HAIR AND SCALP, AFTER SHAVING LOTION, FACE AND SKIN CREAMS, HAIR POMADES, LIPSTICKS, ROUGE, HAIRDRESSING, AND FACE POWDERS. MORRIS LANGHAUS, doing business as Sun-Ray Hair Preparations Co., New York, N. Y.
Filed August 7, 1946. Serial No. 507,008. PUBLISHED MARCH 30, 1948. Class 6.

441,639. SELF EMULSIFYING OIL COMPOSITION USEFUL IN LUBRICATING FIBERS AND YARNS PRELIMINARY TO KNITTING, WEAVING, AND OTHER TEXTILE OPERATIONS. ARKANSAS COMPANY, INC., Newark, N. J.
Filed August 13, 1946. Serial No. 507,291. PUBLISHED OCTOBER 28, 1947. Class 6.

441,640. PERFUME, LIPSTICK, HAND AND FACE LOTION, HAND AND FACE CREAM, AND TOILET WATER. SOCIETE MURY-EXPORTATION, Paris, France.
Filed August 14, 1946. Serial No. 507,413. PUBLISHED AUGUST 10, 1948. Class 6.

441,641. EDIBLE FISH BAIT, CONSISTING OF A MIXTURE OF WHOLE WHEAT FLOUR, MOLASSES, AND VINEGAR. JOHN C. FULLER, doing business as Fuller Manufacturing Company, Columbus, Kans.
Filed August 23, 1946. Serial No. 507,897. PUBLISHED AUGUST 17, 1948. Class 22.

441,642. GENTLEMEN'S TOILETRIES CONSISTING OF TOILET WATERS, EAU DE COLOGNES, AFTER SHAVING LOTIONS, ANTISEPTIC LOTIONS, FACE POWDERS, BATH POWDERS, TALCUM POWDERS, FACE CREAMS, HAIR TONICS, AND PERSONAL DEODORANTS. SHERMAN PERR, Newark, N. J.
Filed August 24, 1946. Serial No. 508,001. PUBLISHED JULY 1, 1947. Class 6.

441,643. TOYS—NAMELY, PLASTIC TRAIN SETS, BABIES' RATTLES, AND HOLLOW PLASTIC ALPHABET BLOCKS. ALEX SMITH, doing business as Alex Products Co., New York, N. Y.
Filed September 14, 1946. Serial No. 509,106. PUBLISHED AUGUST 17, 1948. Class 22.

441,644. DEHUMIDIFYING UNITS FOR REMOVING MOISTURE FROM AIR. THOMAS H. URDAHL, Orlando, Fla., assignor by mesne assignments to Dryomatic Corporation of America.
Filed September 23, 1946. Serial No. 509,617. PUBLISHED MARCH 2, 1948. Class 34.

441,645. PHARMACEUTICAL PREPARATIONS OF SULPHATHIAZOLE COMPOUNDS FOR ANTISEPTIC PURPOSES. BOOTS PURE DRUG COMPANY LIMITED, Nottingham, England.
Filed September 25, 1946. Serial No. 509,691. PUBLISHED SEPTEMBER 7, 1948. Class 6.

441,646. SOY SAUCE. WING NIEN SOY SAUCE MFG. CO., also doing business as Wing Nien Soy Bean Sauce Mfg. Co., San Francisco, Calif.
Filed October 2, 1946. Serial No. 510,140. PUBLISHED SEPTEMBER 21, 1948. Class 46.

441,647. INSULATED PAPER BOARD CONTAINERS FOR DRY-ICE COOLED SHIPPING AND DELIVERY OF ICE CREAM AND THE LIKE. JIFFY MANUFACTURING COMPANY, Hillside, N. J.
Filed October 8, 1946. Serial No. 510,434. PUBLISHED SEPTEMBER 16, 1947. Class 31.

441,648. ELECTRICALLY OPERATED TOY ENGINE. TOT-TESTED TOYS LTD., New York, N. Y.
Filed October 19, 1946. Serial No. 511,191. PUBLISHED AUGUST 17, 1948. Class 22.

441,649. NUT MEATS AND SPICES. MILLER BROS. PACKAGED FOODS CO., Chicago, Ill.
Filed October 24, 1946. Serial No. 511,404. PUBLISHED SEPTEMBER 21, 1948. Class 46.

441,650. NUT MEATS AND SPICES. MILLER BROS. PACKAGED FOODS CO., Chicago, Ill.
Filed October 24, 1946. Serial No. 511,405. PUBLISHED SEPTEMBER 21, 1948. Class 46.

441,651. MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY. NON PAREIL PUBLISHING CORPORATION, New York, N. Y.
Filed October 28, 1946. Serial No. 511,634. PUBLISHED SEPTEMBER 7, 1948. Class 38.

441,652. AIR CONDITIONING APPARATUS INTENDED PRIMARILY FOR DEHUMIDIFICATION. CARGOCAIRE ENGINEERING CORPORATION, New York, N. Y.
Filed October 31, 1946. Serial No. 511,794. PUBLISHED JANUARY 6, 1948. Class 34.

441,653. PRINTING INK. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed November 2, 1946. Serial No. 511,969. PUBLISHED SEPTEMBER 7, 1948. Class 11.

441,654. DEXTROSE, THIAMINE, NICOTINAMID, RIBOFLAVIN, PYRIDOXINE IN ISOTONIC SOLUTION OF SODIUM CHLORIDE, FOR INTRAVENOUS FEEDING. CUTTER LABORATORIES, Berkeley, Calif.
Filed November 12, 1946. Serial No. 512,389. PUBLISHED AUGUST 24, 1948. Class 6.

441,655. MATTRESSES, BOX SPRINGS, STUDIO BEDS, AND SOFA BEDS. JOHN P. MICKET, doing business as Torrington Mattress Co., Torrington, Conn.
Filed December 9, 1946. Serial No. 513,944. PUBLISHED SEPTEMBER 14, 1948. Class 32.

441,656. FROZEN VEGETABLES—NAMELY, FROZEN LIMA BEANS. VENTURA FARMS FROZEN FOODS, INC., Oxnard, Calif.
Filed December 26, 1946. Serial No. 514,859. PUBLISHED SEPTEMBER 21, 1948. Class 46.

441,657. EDUCATIONAL TOY EQUIPPED WITH A PLURALITY OF ELECTROMAGNETIC ARTICLES AND ARRANGED ON A BOARD TO TRAIN CHILDREN IN MANIPULATING THESE ARTICLES AND AT THE SAME TIME TO TEST THEIR INTELLIGENCE. MARTIN MARX, doing business as Novo Picture Company, New York, N. Y.
Filed January 8, 1947. Serial No. 515,440. PUBLISHED AUGUST 17, 1948. Class 22.

441,658. TOY SAILBOATS. PETER LEWIS, doing business as Jolly Roger Company, Portland, Oreg.
Filed February 25, 1947. Serial No. 518,084. PUBLISHED AUGUST 17, 1948. Class 22.

441,659. FLOOR COVERING IN THE FORM OF FLEXIBLE SHEETS, STRIPS AND TILE MADE OF PLASTIC RESILIENT VINYL RESIN MATERIAL. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed April 1, 1947. Serial No. 519,041. PUBLISHED SEPTEMBER 14, 1948. Class 20.

441,660. STUFFED DOLLS AND STUFFED TOY ANIMALS. ST. NICK'S WORKSHOP, INC., Chicago, Ill.
Filed April 28, 1947. Serial No. 521,469. PUBLISHED AUGUST 17, 1948. Class 22.

441,661. VITAMIN TABLETS. CONSOLIDATED GROCERS CORPORATION, Chicago, Ill.
Filed May 2, 1947. Serial No. 521,723. PUBLISHED SEPTEMBER 2, 1947. Class 6.

441,662. PERIODICAL PUBLICATION—NAMELY, A NEWSPAPER FOR HIGH SCHOOL STUDENTS. AMERICAN SCHOOL PRESS ASSOCIATION, INC., State College, Pa.
Filed May 9, 1947. Serial No. 522,150. PUBLISHED AUGUST 31, 1948. Class 38.

441,663. FRESH VEGETABLES—NAMELY, TOMATOES. JOE BRACKER, doing business as Bracker Vegetable Sales Company, Los Angeles and Santa Barbara, Calif.
Filed May 19, 1947. Serial No. 522,664. PUBLISHED SEPTEMBER 21, 1948. Class 46.

441,664. DOLLS. ALICE L. CLARK, doing business as Nina Doll Co., Mill Valley, Calif.
Filed May 27, 1947. Serial No. 523,094. PUBLISHED AUGUST 17, 1948. Class 22.

441,665. PHARMACEUTICAL PREPARATION IN THE FORM OF CAPSULES, TO BE USED TO GIVE TEMPORARY RELIEF OF DISCOMFORTS DUE TO COLDS, HEADACHE, NEURALGIA, OR OTHER MINOR MUSCULAR ACHES AND PAINS. FIRST TEXAS CHEMICAL MFG. CO., Dallas, Tex.
Filed June 11, 1947. Serial No. 523,952. PUBLISHED SEPTEMBER 7, 1948. Class 6.

441,666. ROOFING MATERIALS—NAMELY, ASPHALT SHINGLES, ROLL FELT ROOFINGS, ROOFING PAPER AND FELTS, WEATHER-PROOFING AND WATER-PROOFING MATERIALS OF BITUMINOUS NATURE, ALONE, AND IN COMBINATION WITH MATERIALS OF FIBROUS AND FABRIC NATURE FOR USE ON ROOFS, ETC. TILO ROOFING COMPANY, INC., Stratford, Conn.
Filed June 21, 1947. Serial No. 524,634. PUBLISHED AUGUST 24, 1948. Class 12.

441,667. SPORTING GOODS—NAMELY, FISHING RODS. BOYE MANUFACTURING COMPANY, Hayward, Calif.
Filed July 3, 1947. Serial No. 525,781. PUBLISHED AUGUST 17, 1948. Class 22.

441,668. INFLATABLE MATTRESSES AND CUSHIONS. HEDWIN CORPORATION, Baltimore, Md.
Filed July 3, 1947. Serial No. 525,844. PUBLISHED SEPTEMBER 14, 1948. Class 32.

ACT OF 1920

These registrations are not subject to opposition.

441,669. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARDEN FARMS CO., Los Angeles, Calif. Filed Mar. 15, 1946. Serial No. 498,266.

Arden

Milk-Bricklet

Applicant is the owner of registration 348,799, August 10, 1937, and registration 431,169, July 15, 1947.
FOR DAIRY PRODUCTS—NAMELY, A FOOD CONFECTION IN THE FORM OF A COMPRESSED TABLET CONTAINING MILK, SUGAR, AND FLAVORING AS ITS PRINCIPAL INGREDIENTS.
Claims use since Oct. 27, 1944.

ACT OF 1946, PRINCIPAL REGISTER

504,890. MAGAZINE, PUBLISHED BI-MONTHLY. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa., and Bloomfield, N. J., by change of name from Westinghouse Electric & Manufacturing Company.
Filed September 10, 1947. Serial No. 475,594. PUBLISHED AUGUST 31, 1948. Class 38.

504,891. SPORTING AND RECREATIONAL ARTICLES OF SEALED PLASTIC SHEET STRUCTURE—NAMELY, UTILITY BAGS AND PILLOWS, BEACH PILLOWS, BEACH ROLLS, BEACH BALLS, SWIMMERS' WINGS, SWIM RINGS, SAFETY BELTS, BEACH ROLL AND PILLOW COMBINATION. GEMLOID CORPORATION, Elmhurst, Long Island, N. Y.
Filed October 30, 1947. Serial No. 478,683. PUBLISHED AUGUST 17, 1948. Class 22.

504,892. MOULDED CHOCOLATE CANDIES. BUNTE BROTHERS, Chicago, Ill.
Filed September 25, 1947. Serial No. 484,664. PUBLISHED SEPTEMBER 21, 1948. Class 46.

504,893. LEATHER. R. & A. KOHNSTAMM (LONDON), INC., New York, N. Y.
Filed December 22, 1947. Serial No. 496,319. PUBLISHED SEPTEMBER 7, 1948. Class 1.

504,894. LIGHTWEIGHT HORSESHOE SETS—NAMELY, HORSESHOES AND STAKES, LIGHTWEIGHT HORSESHOE PAIRS, ETC. WALTER D. HEDENKAMP, doing business as B. L. Fry Products Company, St. Louis, Mo.
Filed October 31, 1947. Serial No. 496,787. PUBLISHED AUGUST 17, 1948. Class 22.

504,895. SOLE LEATHER. GUY LEE LEATHER CO., INC., Philadelphia, Pa.
Filed August 12, 1947. Serial No. 502,441. PUBLISHED SEPTEMBER 7, 1948. Class 1.

504,896. CANNED CITRUS FRUIT JUICES AND FRESH CITRUS FRUITS. YUMA MESA FRUIT GROWERS' ASSOCIATION, Yuma, Ariz.
Filed September 29, 1947. Serial No. 502,480. PUBLISHED AUGUST 31, 1948. Class 46.

504,897. BALL POINTED FOUNTAIN PENS. EAGLE PENCIL COMPANY, New York, N. Y.
Filed October 31, 1947. Serial No. 505,344. PUBLISHED SEPTEMBER 14, 1948. Class 37.

504,898. DRAWINGS AND ADVERTISING MEDIA, SOLD AS SUCH. GEORGE HANZEL, New York, N. Y.
Filed December 16, 1947. Serial No. 506,313. PUBLISHED SEPTEMBER 7, 1948. Class 38.

504,899. TOY INCLUDING A PROJECTORY, A PROJECTILE, AND A TARGET SIMULATING A BATTLESHIP. EDWARD W. KOEPNICK, doing business as Allstate Engineering Service, Dayton, Ohio.
Filed October 18, 1947. Serial No. 507,985. PUBLISHED AUGUST 17, 1948. Class 22.

504,900. OIL BURNERS AND PARTS THEREOF. SCHNEIDAU OIL BURNER, INC., New Orleans, La.
Filed September 11, 1947. Serial No. 508,442. PUBLISHED AUGUST 24, 1948. Class 34.

504,901. ARTIFICIAL FISHING FLIES. VERDELLE CLARK, Presque Isle, Maine.
Filed August 12, 1947. Serial No. 509,635. PUBLISHED AUGUST 17, 1948. Class 22.

504,902. PERIODICALLY APPEARING CATALOGS AND BROCHURES. W. L. STENSGAARD AND ASSOCIATES, INC., Chicago, Ill.
Filed September 19, 1947. Serial No. 510,124. PUBLISHED AUGUST 31, 1948. Class 38.

504,903. FRESH DECIDUOUS FRUITS. CALIFORNIA FRUIT EXCHANGE, Sacramento, Calif.
Filed September 12, 1947. Serial No. 511,375. PUBLISHED SEPTEMBER 21, 1948. Class 46.

504,904. MARSHMALLOW CREAM. UNION STARCH & REFINING CO., Columbus, Ind.
Filed February 28, 1948. Serial No. 513,992. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,905. AIR-ENTRAINING PORTLAND CEMENT. NORTHWESTERN STATES PORTLAND CEMENT COMPANY, Mason City, Iowa.
Filed December 11, 1947. Serial No. 515,445. PUBLISHED AUGUST 17, 1948. Class 12.

504,906. PORTLAND CEMENT AND MASONS' CEMENT. NORTHWESTERN STATES PORTLAND CEMENT COMPANY, Mason City, Iowa.
Filed December 11, 1947. Serial No. 515,446. PUBLISHED AUGUST 24, 1948. Class 12.

504,907. CANNED VEGETABLES. THE J. B. INDERRIEDEN CO., Chicago, Ill.
Filed October 3, 1947. Serial No. 516,847. PUBLISHED SEPTEMBER 7, 1948. Class 46.

504,908. PUBLICATION, ISSUED ABOUT TWO OR THREE TIMES PER MONTH. BERTRAM J. GRIGSBY, Chicago, Ill.
Filed November 12, 1947. Serial No. 517,056. PUBLISHED SEPTEMBER 7, 1948. Class 38.

504,909. SYNTHETIC RESINS FOR USE AS PIGMENT BINDING AGENTS IN THE PREPARATION OF COATING COMPOSITIONS FOR TEXTILES, PAPER, AND COMPOSITION SHEET MATERIAL. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed July 12, 1947. Serial No. 518,552. PUBLISHED AUGUST 31, 1948. Class 1.

504,910. COAL. R. T. PLATKA FUELS, INC., Burlington, Vt.
Filed August 6, 1947. Serial No. 519,978. PUBLISHED SEPTEMBER 7, 1948. Class 1.

504,911. COAL. R. T. PLATKA FUELS, INC., Burlington, Vt.
Filed August 6, 1947. Serial No. 519,979. PUBLISHED SEPTEMBER 7, 1948. Class 1.

504,912. REFRACTORY SHAPES OR BRICKS. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed August 6, 1947. Serial No. 520,563. PUBLISHED AUGUST 24, 1948. Class 12.

504,913. FACE POWDER. A. W. CURTIS, JR., doing business as A. W. Curtis Laboratories, Detroit, Mich.
Filed November 10, 1947. Serial No. 520,618. PUBLISHED AUGUST 17, 1948. Class 6.

504,914. CANNED VEGETABLES. THE GREENCASTLE PACKING COMPANY, Greencastle, Pa.
Filed September 3, 1947. Serial No. 520,697. PUBLISHED SEPTEMBER 21, 1948. Class 46.

504,915. PREPARATION FOR SHAMPOO, ENHANCING THE SOIL REMOVAL PROPERTIES OF SOAP, HAVING WATER SOFTENING PROPERTIES, PREVENTING THE FORMATION OF SOAP CURDS IN HARD WATER, AND INCREASING THE FOAMING PROPERTIES OF SOAP. R. B. SEMLER, INC., New Canaan, Conn.
Filed August 28, 1947. Serial No. 520,973. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,916. CHEWING TOBACCO. R. C. OWEN COMPANY, Gallatin, Tenn.
Filed November 25, 1947. Serial No. 521,275. PUBLISHED SEPTEMBER 14, 1948. Class 17.

504,917. BOOKS, PARTICULARLY CHILDREN'S BOOKS. RAND MCNALLY AND COMPANY, Chicago, Ill.
Filed October 7, 1947. Serial No. 521,926. PUBLISHED SEPTEMBER 7, 1948. Class 38.

504,918. GRASS SEEDS. NORTHRUP, KING & CO., Minneapolis, Minn., and Berkeley, Calif.
Filed August 29, 1947. Serial No. 522,500. PUBLISHED AUGUST 24, 1948. Class 1.

504,919. FRESH AND CANNED CITRUS FRUITS, CANNED CITRUS FRUIT JUICES, AND CITRUS FRUIT JELLIES AND MARMALADES. HOLLY HILL FRUIT PRODUCTS, INCORPORATED, Davenport, Fla.
Filed September 11, 1947. Serial No. 525,486. PUBLISHED SEPTEMBER 21, 1948. Class 46.

504,920. NITROGEN SOLUTION—NAMELY, A SOLUTION OF AMMONIUM NITRATE IN AMMONIUM LIQUOR FOR USE IN THE MANUFACTURE OF FERTILIZER. SPENCER CHEMICAL COMPANY, Kansas City, Mo.
Filed July 5, 1947. Serial No. 526,501. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,921. GAS RANGES. AVCO MANUFACTURING CORPORATION, Cincinnati, Ohio.
Filed July 5, 1947. Serial No. 526,655. PUBLISHED AUGUST 24, 1948. Class 34.

504,922. BAKING SODA (BICARBONATE OF SODA) AND BAKING POWDER, EACH FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,775. PUBLISHED AUGUST 24, 1948. Class 46.

504,923. BAKING SODA (BICARBONATE OF SODA) AND BAKING POWDER, EACH FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,803. PUBLISHED AUGUST 24, 1948. Class 46.

504,924. BAKING SODA (BICARBONATE OF SODA) FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,811. PUBLISHED JULY 27, 1948. Class 46.

504,925. HOUSE-ORGAN MAGAZINE. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 526,846. PUBLISHED AUGUST 31, 1948. Class 38.

504,926. WHEAT FLOUR. EAGLE ROLLER MILL CO., New Ulm, Minn.
Filed July 5, 1947. Serial No. 527,027. PUBLISHED SEPTEMBER 21, 1948. Class 46.

504,927. CHARCOAL BRIQUETTES. THE CHAR-LITE MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,162. PUBLISHED AUGUST 31, 1948. Class 1.

504,928. SHEET STEEL DOORS FOR USE IN BUILDING CONSTRUCTION. RICHARDS-WILCOX MANUFACTURING COMPANY, Aurora, Ill.
Filed July 5, 1947. Serial No. 527,185. PUBLISHED AUGUST 17, 1948. Class 12.

504,929. MULTI-COLORED POST CARDS AND PICTORIAL ILLUSTRATIONS. CURT TEICH & COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,200. PUBLISHED AUGUST 31, 1948. Class 38.

504,930. BI-MONTHLY PUBLICATION. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,498. PUBLISHED AUGUST 31, 1948. Class 38.

504,931. STOVE-PIPE, STOVE-PIPE ELBOWS, STOVE-PIPE FITTINGS, WOOD AND COAL STOVES, AND PORTABLE OVENS. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,569. PUBLISHED AUGUST 31, 1948. Class 34.

504,932. SPACE HEATERS USING GAS AS A FUEL. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,705. PUBLISHED AUGUST 31, 1948. Class 34.

504,933. COATING COMPOSITION FOR PROTECTING TENNIS, BADMINTON, AND SQUASH RACKET STRINGS. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,869. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,934. CHILDREN'S TOY RATTLES AND CHILDREN'S TOY COMBS AND BRUSHES. JOSEPH DAVIS PLASTICS COMPANY, Arlington, N. J.
Filed July 9, 1947. Serial No. 528,196. PUBLISHED AUGUST 17, 1948. Class 22.

504,935. GAS FIRED UNITS FOR CENTRAL HEATING OF RESIDENTIAL STRUCTURES. MECHANICAL HOME SYSTEMS, INCORPORATED, Chicago, Ill.
Filed July 9, 1947. Serial No. 528,218. PUBLISHED AUGUST 24, 1948. Class 34.

504,936. REFRIGERATED LOCKER UNITS. WILLIAM MCKINLEY BAIRD, Chicago, Ill.
Filed July 10, 1947. Serial No. 528,246. PUBLISHED SEPTEMBER 7, 1948. Class 31.

504,937. FOUNDRY SAND. GREAT LAKES FOUNDRY SAND COMPANY, Detroit, Mich.
Filed July 11, 1947. Serial No. 528,347. PUBLISHED AUGUST 31, 1948. Class 1.

504,938. COOKING APPARATUS IN THE FORM OF CHARCOAL AND WOOD BURNERS AND GRILLS, PARTICULARLY FOR OUTDOOR USE. CARL MANNHEIMER, doing business as Grill-Craft Company, St. Paul, Minn.
Filed July 17, 1947. Serial No. 528,808. PUBLISHED AUGUST 24, 1948. Class 34.

504,939. PRINTING AND WRITING PAPERS. WHITING PAPER COMPANY, Holyoke, Mass.
Filed July 18, 1947. Serial No. 528,900. PUBLISHED SEPTEMBER 7, 1948. Class 37.

504,940. PEANUT BUTTER. ROSEFIELD PACKING COMPANY, LTD., Alameda, Calif.
Filed July 23, 1947. Serial No. 529,307. PUBLISHED July 6, 1948. Class 46.

504,941. COATED COVER AND LABEL PAPERS. THE PLASTIC COATING CORPORATION, Holyoke, Mass.
Filed July 24, 1947. Serial No. 529,403. PUBLISHED SEPTEMBER 7, 1948. Class 37.

504,942. CIGARS, CIGARETTES, CHEROOTS, AND SMOKING TOBACCO. D. EMIL KLEIN CO., INC., New York, N. Y.
Filed July 28, 1947. Serial No. 529,773. PUBLISHED SEPTEMBER 14, 1948. Class 17.

504,943. CIGARS AND ALL-TOBACCO CIGARETTES. D. EMIL KLEIN CO., INC., New York, N. Y.
Filed July 28, 1947. Serial No. 529,775. PUBLISHED SEPTEMBER 14, 1948. Class 17.

504,944. CIGARS, CIGARETTES, AND TOBACCO PIPE MIXTURES. D. EMIL KLEIN CO., INC., New York, N. Y.
Filed July 28, 1947. Serial No. 529,777. PUBLISHED SEPTEMBER 14, 1948. Class 17.

504,945. CIGARS, CIGARETTES, AND SMOKING AND CHEWING TOBACCO. D. EMIL KLEIN CO., INC., New York, N. Y.
Filed July 28, 1947. Serial No. 529,781. PUBLISHED SEPTEMBER 14, 1948. Class 17.

504,946. CIGARS. D. EMIL KLEIN CO., INC., New York, N. Y.
Filed July 28, 1947. Serial No. 529,782. PUBLISHED SEPTEMBER 14, 1948. Class 17.

504,947. CIGARS AND ALL-TOBACCO CIGARETTES. D. EMIL KLEIN CO., INC., New York, N. Y.
Filed July 28, 1947. Serial No. 529,785. PUBLISHED SEPTEMBER 14, 1948. Class 17.

504,948. INDEX PAPER. HOWARD PAPER MILLS, INC., Dayton, Ohio.
Filed July 30, 1947. Serial No. 529,998. PUBLISHED SEPTEMBER 14, 1948. Class 37.

504,949. BAKING STOVES. MARTIN OVEN COMPANY, INC., Rochester, N. Y.
Filed July 31, 1947. Serial No. 530,091. PUBLISHED AUGUST 24, 1948. Class 34.

504,950. MONTHLY PUBLICATION IN THE FORM OF A BULLETIN. THE MASONIC SERVICE ASSOCIATION OF THE UNITED STATES, Washington, D. C.
Filed July 31, 1947. Serial No. 530,093. PUBLISHED AUGUST 3, 1948. Class 38.

504,951. KRAFT WRAPPING PAPER. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass.
Filed August 1, 1947. Serial No. 530,259. PUBLISHED SEPTEMBER 7, 1948. Class 37.

504,952. GASOLINE BURNING CAMP STOVES. AMERICAN GAS MACHINE COMPANY, Albert Lea, Minn.
Filed August 4, 1947. Serial No. 530,361. PUBLISHED AUGUST 24, 1948. Class 34.

504,953. GASOLINE AND KEROSENE COOK STOVES. AMERICAN GAS MACHINE COMPANY, Albert Lea, Minn.
Filed August 4, 1947. Serial No. 530,362. PUBLISHED AUGUST 24, 1948. Class 34.

504,954. GASOLINE COOKING STOVES. AMERICAN GAS MACHINE COMPANY, Albert Lea, Minn.
Filed August 4, 1947. Serial No. 530,364. PUBLISHED AUGUST 24, 1948. Class 34.

504,955. GASOLINE AND KEROSENE LANTERNS AND MANTLES, GENERATOR TUBES FOR GENERATING LIQUID FUEL TO GASEOUS FORM FOR GASOLINE AND KEROSENE LANTERNS, ETC. AMERICAN GAS MACHINE COMPANY, Albert Lea, Minn.
Filed August 4, 1947. Serial No. 530,365. PUBLISHED AUGUST 24, 1948. Class 34.

504,956. CALENDAR AND DESK PADS. EVER READY CALENDAR MANUFACTURING COMPANY, Jersey City, N. J.
Filed August 4, 1947. Serial No. 530,393. PUBLISHED SEPTEMBER 7, 1948. Class 37.

504,957. TANNING EXTRACTS. INTERNATIONAL PRODUCTS CORPORATION, New York, N. Y.
Filed August 5, 1947. Serial No. 530,512. PUBLISHED OCTOBER 5, 1948. Class 6.

504,958. TANNING EXTRACTS. INTERNATIONAL PRODUCTS CORPORATION, New York, N. Y.
Filed August 5, 1947. Serial No. 530,514. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,959. SHOE POLISHES. THE BEST FOODS, INC., New York, N. Y.
Filed August 7, 1947. Serial No. 530,710. PUBLISHED AUGUST 31, 1948. Class 4.

504,960. MEDICINAL PREPARATION IN THE FORM OF A SOLUTION RECOMMENDED FOR THE TREATMENT OF HORMONE DEFICIENCIES, TO BE ADMINISTERED BY INJECTION. SCHERING CORPORATION, Bloomfield, N. J.
Filed August 7, 1947. Serial No. 530,774. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,961. MATERNITY BELTS, SURGICAL SUPPORTING BELTS. KELLOGG CORSET COMPANY, Jackson, Mich.
Filed August 8, 1947. Serial No. 530,828. PUBLISHED SEPTEMBER 14, 1948. Class 44.

504,962. WOOD FIBER COMPRESSED IN BALES FOR GENERAL USE IN INDUSTRY. WOOD CONVERSION COMPANY, St. Paul Minn.
Filed August 8, 1947. Serial No. 530,883. PUBLISHED SEPTEMBER 14, 1948. Class 1.

504,963. LOOSELY MATTED OR FELTED ADHESIVELY-BOUND VEGETABLE FIBER IN SHEET FORM FOR GENERAL USE IN INDUSTRY. WOOD CONVERSION COMPANY, St. Paul, Minn.
Filed August 8, 1947. Serial No. 530,886. PUBLISHED SEPTEMBER 14, 1948. Class 1.

504,964. STENOGRAPHERS' BOOKS, NOTEBOOKS, COMPOSITION AND WRITING BOOKS. THE REYNOLDS MANUFACTURING COMPANY, Holyoke, Mass.
Filed August 9, 1947. Serial No. 530,960. PUBLISHED SEPTEMBER 7, 1948. Class 37.

504,965. MEDICINAL PREPARATION CONTAINING OXBILE AND VITAMINS USEFUL IN THE TREATMENT OF BILIARY TRACT AND HEPATIC DYSFUNCTIONS. J. B. ROERIG AND COMPANY, Chicago, Ill.
Filed August 12, 1947. Serial No. 531,150. PUBLISHED AUGUST 24, 1948. Class 6.

504,966. MEDICINAL PREPARATION CONTAINING NATURAL FISH LIVER OIL USEFUL IN THE TREATMENT OF SUCH CONDITIONS AS ACNE, KERATOSIS, FOLLICULARIS, AND ICHTHYOSIS AND FOR THE TREATMENT OF VITAMIN A DEFICIENCIES. J. B. ROERIG AND COMPANY, Chicago, Ill.
Filed August 12, 1947. Serial No. 531,151. PUBLISHED AUGUST 24, 1948. Class 6.

504,967. MEDICINAL PREPARATION CONTAINING VITAMIN USEFUL IN THE TREATMENT OF ACNE, PSORIASIS AND FOLLICULAR HYPERKERATOSIS. J. B. ROERIG AND COMPANY, Chicago, Ill.
Filed August 12, 1947. Serial No. 531,152. PUBLISHED AUGUST 24, 1948. Class 6.

504,968. ATHLETIC AND SPORTING GOODS—NAMELY: ARCHERY BOWS, ARROWS AND TARGETS; TENNIS, SQUASH AND BADMINTON RACQUETS, BALLS, SHUTTLECOCKS AND NETS; BASEBALL AND SOFTBALL BATS, BALLS, GLOVES AND NETS; ETC. AMCO SPORTS DISTRIBUTORS, St. Louis, Mo.
Filed August 13, 1947. Serial No. 531,180. PUBLISHED AUGUST 17, 1948. Class 22.

504,969. WATERPROOFING ASPHALT, COTTON CLOTH SATURATED WITH HOT ASPHALT FOR USE IN ROOFING AND MEMBRANE WATERPROOFING, ASPHALT EMULSION WITH FILLER, ASPHALT LIQUID DAMPPROOFING, LIQUID ASPHALT WITH ASBESTOS THEREIN FOR USE IN ROOFING AND DAMPPROOFING, ETC. LEWIS ASPHALT ENGINEERING CORPORATION, New York, N. Y., and Clark, N. J.
Filed August 13, 1947. Serial No. 531,224. PUBLISHED AUGUST 31, 1948. Class 12.

504,970. ADHESIVE-COATED, STRAND-REINFORCED PAPER TAPE PRIMARILY USED FOR WRAPPING AND PACKAGING. ANGIER CORPORATION, Framingham, Mass.
Filed August 14, 1947. Serial No. 531,286. PUBLISHED SEPTEMBER 14, 1948. Class 5.

504,971. GRASS, FIELD, AND VEGETABLE SEEDS. E. F. BURLINGHAM & SONS, Forest Grove, Oreg.
Filed August 18, 1947. Serial No. 531,645. PUBLISHED SEPTEMBER 7, 1948. Class 1.

504,972. CANNED TUNA FISH. RANGER SEAFOOD, INC., Buena Park, Calif.
Filed August 18, 1947. Serial No. 531,716. PUBLISHED SEPTEMBER 21, 1948. Class 46.

504,973. CLEANSING CREAM. MARY DI GIOVANNI, doing business as Royal Kings Row Products, Brooklyn, N. Y.
Filed August 21, 1947. Serial No. 531,996. PUBLISHED SEPTEMBER 14, 1948. Class 6.

504,974. BOWLING BALLS. RAYBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed August 21, 1947. Serial No. 532,057. PUBLISHED AUGUST 17, 1948. Class 22.

504,975. TOY BANKS. DURO PATTERN AND MOLD COMPANY, Highland Park, Mich.
Filed August 22, 1947. Serial No. 532,127. PUBLISHED AUGUST 3, 1948. Class 22.

504,976. PERIODICAL PUBLICATION. ELECTRICAL INFORMATION PUBLICATIONS, INC., Madison, Wis.
Filed August 26, 1947. Serial No. 532,435. PUBLISHED AUGUST 31, 1948. Class 38.

504,977. PERIODICAL PUBLICATION. ELECTRICAL INFORMATION PUBLICATIONS, INC., Madison, Wis.
Filed August 26, 1947. Serial No. 532,437. PUBLISHED AUGUST 31, 1948. Class 38.

504,978. FRESH CITRUS FRUIT. F. L. SKINNER, Dunedin, Fla.
Filed August 27, 1947. Serial No. 532,650. PUBLISHED AUGUST 3, 1948. Class 46.

504,979. FRESH APPLES. BETT-MORR ORCHARDS, INC., Charles Town, W. Va.
Filed August 29, 1947. Serial No. 532,798. PUBLISHED SEPTEMBER 14, 1948. Class 46.

504,980. HOUSEHOLD AND SUMMER FURNITURE BOTH WOOD AND UPHOLSTERED, ETC. HEYWOOD-WAKEFIELD COMPANY, Gardner, Mass.
Filed August 30, 1947. Serial No. 532,931. PUBLISHED SEPTEMBER 14, 1948. Class 32.

504,981. ADHESIVE AND GUMMED TAPE. KLEEN-STIK PRODUCTS, INC., Chicago, Ill.
Filed August 30, 1947. Serial No. 532,939. PUBLISHED MARCH 30, 1948. Class 5.

504,982. HOUSEHOLD ELECTRIC REFRIGERATORS. RANNEY REFRIGERATOR COMPANY, Greenville, Mich.
Filed August 30, 1947. Serial No. 532,960. PUBLISHED SEPTEMBER 7, 1948. Class 31.

504,983. GARMENT HOLDING MEANS—NAMELY, BANDS FOR HOLDING GARMENTS IN A FOLDED STATE AND MADE OF PAPER MATERIAL OR THE LIKE FOR GARMENT MANUFACTURERS AND LAUNDRIES. J. W. STEELE & CO., North Kansas City, Mo.
Filed September 2, 1947. Serial No. 533,069. PUBLISHED SEPTEMBER 7, 1948. Class 37.

504,984. ENVELOPE OR LETTER OPENING DEVICES, COMPRISING A CUTTER AND MANUALLY OPERABLE HOLDING MEANS THEREFOR. J. W. STEELE & CO., North Kansas City, Mo.
Filed September 2, 1947. Serial No. 533,070. PUBLISHED SEPTEMBER 14, 1948. Class 37.

504,985. ACIDIC COMPOUND FOR SOURING OR NEUTRALIZING ALKALINITY IN LAUNDRY OPERATIONS. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed September 2, 1947. Serial No. 533,095. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,986. POLYOXYALKYLENE GLYCOLS OF RELATIVELY HIGHER MOLECULAR WEIGHTS PARTICULARLY USEFUL AS EMULSIFYING, THICKENING, DISPERSING, BINDING, LUBRICATING, AND PLASTICIZING AGENTS. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed September 2, 1947. Serial No. 533,096. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,987. ACIDIC COMPOUND FOR SOURING OR NEUTRALIZING ALKALINITY IN LAUNDRY OPERATIONS. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed September 2, 1947. Serial No. 533,100. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,988. ALKALINE COMPOSITION FOR USE IN THE FOOD, BEVERAGE, LAUNDRY, AND TEXTILE INDUSTRIES, ETC. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed September 2, 1947. Serial No. 533,103. PUBLISHED SEPTEMBER 7, 1948. Class 6.

504,989. DATER STAMPS. FULTON SPECIALTY CO., Elizabeth, N. J.
Filed September 4, 1947. Serial No. 533,297. PUBLISHED SEPTEMBER 7, 1948. Class 37.

504,990. BOND, LEDGER, AND DUPLICATING PAPER. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis.
Filed September 5, 1947. Serial No. 533,599. PUBLISHED SEPTEMBER 14, 1948. Class 37.

504,991. BOND, LEDGER, AND DUPLICATING PAPER. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis.
Filed September 5, 1947. Serial No. 533,601. PUBLISHED SEPTEMBER 14, 1948. Class 37.

504,992. WRAPPING PAPER. RHINELANDER PAPER COMPANY, Rhinelander, Wis.
Filed September 5, 1947. Serial No. 533,619. PUBLISHED SEPTEMBER 14, 1948. Class 37.

504,993. NURSERY STOCKS. ANDREWS NURSERY COMPANY, Faribault, Minn.
Filed September 6, 1947. Serial No. 533,662. PUBLISHED AUGUST 24, 1948. Class 1.

504,994. LUMBER AND LUMBER PRODUCTS, CONSISTING OF MANUFACTURED FIR, CEDAR, SPRUCE, PINE, AND HEMLOCK, BOTH ROUGH AND FINISHED, ETC. ST. PAUL & TACOMA LUMBER CO., Tacoma, Wash.
Filed September 9, 1947. Serial No. 533,941. PUBLISHED SEPTEMBER 7, 1948. Class 12.

504,995. STEEL ANCHOR PLATES AND CONCRETE BLOCKS HAVING STEEL ANCHOR PLATES ANCHORED THERETO PARTICULARLY SUITABLE FOR FLOORING SUBJECT TO HEAVY USE. N. V. BETONFABRIEK DE METEOOR, Rheden, Netherlands.
Filed September 12, 1947. Serial No. 534,235. PUBLISHED AUGUST 24, 1948. Class 12.

504,996. BEDS AND BEDDING—NAMELY, INFANTS' CRIBS AND MATTRESSES. EDMUND C. JOHNSON, JR., Los Angeles, Calif.
Filed September 16, 1947. Serial No. 534,637. PUBLISHED SEPTEMBER 14, 1948. Class 32.

504,997. BOOKS, PAMPHLETS, AND PERIODICALS. AMERICAN CHEMICAL SOCIETY, Washington, D. C.
Filed September 17, 1947. Serial No. 534,725. PUBLISHED SEPTEMBER 7, 1948. Class 38.

504,998. FOUNTAIN PENS AND PENCILS. STRATFORD PEN CORPORATION, New York, N. Y.
Filed September 18, 1947. Serial No. 534,935. PUBLISHED SEPTEMBER 7, 1948. Class 37.

504,999. FRESH VEGETABLES. N. GIANANDREA, doing business as Valley Growers Exchange, San Jose, Calif.
Filed September 14, 1948. Serial No. 535,028. PUBLISHED SEPTEMBER 14, 1948. Class 46.

505,000. ROOF VENTILATORS, POWER DRIVEN VENTILATORS, FAN ACTUATED SELF OPENING AND CLOSING VENTILATORS AND AUTOMATIC PNEUMATICALLY ACTUATED VENTILATORS. THE SWARTWOUT COMPANY, Cleveland, Ohio.
Filed September 19, 1947. Serial No. 535,096. PUBLISHED AUGUST 24, 1948. Class 34.

505,001. STATIONERY—NAMELY, ENVELOPES; CARDS; ETC. EDITH M. RANKIN, Lexington, Ky.
Filed September 20, 1947. Serial No. 535,181. PUBLISHED SEPTEMBER 7, 1948. Class 37.

505,002. DECALCOMANIAS. THE PALM BROTHERS DECALCOMANIA COMPANY, Cincinnati, Ohio.
Filed September 24, 1947. Serial No. 535,597. PUBLISHED SEPTEMBER 14, 1948. Class 38.

505,003. DECALCOMANIAS. THE PALM BROTHERS DECALCOMANIA COMPANY, Cincinnati, Ohio.
Filed September 24, 1947. Serial No. 535,598. PUBLISHED SEPTEMBER 7, 1948. Class 38.

505,004. CARBON BLACK FOR GENERAL USE IN THE INDUSTRIAL ARTS. GODFREY L. CABOT, INC., Boston, Mass.
Filed September 26, 1947. Serial No. 535,796. PUBLISHED SEPTEMBER 7, 1948. Class 1.

505,005. PAPER—NAMELY, TYMPAN PAPERS. SWIGART PAPER COMPANY, Chicago, Ill.
Filed September 27, 1947. Serial No. 536,010. PUBLISHED SEPTEMBER 14, 1948. Class 37.

505,006. PLASTIC FLOOR, WALL, COUNTER, OR FURNITURE COVERING, COMPOSED OF SHEETS OF MATERIAL SUITABLE FOR ADHERING WITH CEMENT, TO SURFACES OVER WHICH THEY ARE LAID, THE MATERIAL BEING MADE FROM ORGANIC RESINS, PLASTICIZERS, PIGMENTS, FILLERS, AND COLORING MATERIAL. THE UNITED STATES STONEWARE CO., Tallmadge, Ohio.
Filed September 27, 1947. Serial No. 536,020. PUBLISHED SEPTEMBER 14, 1948. Class 20.

505,007. HOUSEHOLD DETERGENT FOR CLEANING DISHES, COOKING UTENSILS AND GLASSES, AND KINDRED USES. HANS JACOB HECKMANN, doing business as Hans J. Heckmann Company, Towson, Md.
Filed September 29, 1947. Serial No. 536,082. PUBLISHED AUGUST 31, 1948. Class 4.

505,008. METAL AWNINGS. PEARCE METAL PRODUCTS, INCORPORATED, Youngstown, Ohio.
Filed September 29, 1947. Serial No. 536,129. PUBLISHED AUGUST 17, 1948. Class 12.

505,009. CANNED TUNA. CALIFORNIA MARINE CURING & PACKING CO., Terminal Island, Calif.
Filed September 30, 1947. Serial No. 536,232. PUBLISHED SEPTEMBER 14, 1948. Class 46.

505,010. FOUNTAIN PENS AND PARTS THEREOF. THE ESTERBROOK PEN COMPANY, Camden, N. J.
Filed September 30, 1947. Serial No. 536,246. PUBLISHED SEPTEMBER 14, 1948. Class 37.

505,011. FIRE BRICK. MALVERN BRICK AND TILE COMPANY, Malvern, Ark.
Filed September 30, 1947. Serial No. 536,262. PUBLISHED AUGUST 17, 1948. Class 12.

505,012. CANNED VEGETABLES. MINNESOTA CONSOLIDATED CANNERIES, INC., Minneapolis, Minn.
Filed September 30, 1947. Serial No. 536,268. PUBLISHED SEPTEMBER 14, 1948. Class 46.

505,013. LAWN GRASS SEED. T. W. WOOD & SONS, Richmond, Va.
Filed September 30, 1947. Serial No. 536,328. PUBLISHED SEPTEMBER 7, 1948. Class 1.

505,014. TAG, BOND, AND INDEX PAPERS. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass.
Filed October 1, 1947. Serial No. 536,386. PUBLISHED SEPTEMBER 14, 1948. Class 37.

505,015. WRAPPING AND CONVERTING PAPER. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass.
Filed October 1, 1947. Serial No. 536,395. PUBLISHED SEPTEMBER 14, 1948. Class 37

505,016. SUEDE LEATHER. MORRIS WHITE FASHIONS, INC., New York, N. Y.
Filed October 3, 1947. Serial No. 536,058. PUBLISHED SEPTEMBER 7, 1948. Class 1.

505,017. CIGARETTES. P. LORILLARD COMPANY, New York, N. Y.
Filed October 6, 1947. Serial No. 536,912. PUBLISHED SEPTEMBER 14, 1948. Class 17.

505,018. PORTLAND CEMENT AND MASONS CEMENT. DEWEY PORTLAND CEMENT COMPANY, Kansas City, Mo.
Filed October 9, 1947. Serial No. 537,296. PUBLISHED AUGUST 24, 1948. Class 12.

505,019. SHEET PILING, BEAMS AND CHANNEL BARS FOR USE AS CONSTRUCTION MATERIAL; AND STRUCTURAL SHAPES, ALL MADE OF STEEL. INLAND STEEL COMPANY, Chicago, Ill.
Filed October 9, 1947. Serial No. 537,317. PUBLISHED AUGUST 24, 1948. Class 12.

505,020. SHAVING CREAM TO BE USED BEFORE SHAVING. BURMA-VITA COMPANY, Minneapolis, Minn.
Filed October 10, 1947. Serial No. 537,411. PUBLISHED AUGUST 31, 1948. Class 4.

505,021. CHIN STRAPS. PROFILE COMPANY, INC., Chicago, Ill.
Filed October 10, 1947. Serial No. 537,501. PUBLISHED SEPTEMBER 14, 1948. Class 44.

505,022. STOVE PIPE. WHEELING CORRUGATING COMPANY, Wheeling, W. Va.
Filed October 10, 1947. Serial No. 537,532. PUBLISHED SEPTEMBER 7, 1948. Class 34.

505,023. ASPHALT ROOFING SHINGLES. THE LEHON COMPANY, Chicago, Ill.
Filed October 16, 1947. Serial No. 538,014. PUBLISHED JULY 20, 1948. Class 12.

505,024. REFRACTORY MATERIALS FOR FURNACE LINING AND REPAIRING. BASIC REFRACTORIES, INCORPORATED, Cleveland, Ohio.
Filed October 17, 1947. Serial No. 538,088. PUBLISHED AUGUST 3, 1948. Class 12.

505,025. INDIVIDUAL SECTIONS OF TILE BEARING NUMBERS AND USED TO FORM HOUSE NUMBER ASSEMBLIES. THE CAMBRIDGE TILE MFG. CO., Cincinnati, Ohio.
Filed October 20, 1947. Serial No. 538,354. PUBLISHED AUGUST 17, 1948. Class 12.

505,026. HEATING EQUIPMENT—NAMELY, OIL BURNERS AND HEAT EXCHANGE DEVICES KNOWN AS HEAT SAVERS. CLARK E. JOHNSON, doing business as Oil-Elec-Tric Company, Minneapolis, Minn.
Filed October 20, 1947. Serial No. 538,420. PUBLISHED AUGUST 24, 1948. Class 34.

505,027. SAFETY CABLE SUSPENSION CARS COMPRISING A PULLEY SUSPENDED SEAT CARRIED BY PULLEYS FOR MOUNTING ON A CABLE WHICH EXTENDS FROM POLE TO POLE, FOR SERVICING OF MULTIPLE CONDUCTOR CABLES SUSPENDED FROM THE FIRST MENTIONED CABLE, ETC. A. B. CHANCE COMPANY, Centralia, Mo.
Filed October 23, 1947. Serial No. 538,719. PUBLISHED AUGUST 17, 1948. Class 12.

505,028. EYE IMPRESSION MATERIAL AS FOR EXAMPLE FOR PREPARING CONTACT LENSES OR THE LIKE. CONTACT LENS SERVICE, INC., New York, N. Y., assignor to Precision-Cosmet Company, Inc., a corporation of Minnesota.
Filed October 23, 1947. Serial No. 538,725. PUBLISHED SEPTEMBER 14, 1948. Class 44.

505,029. CHEMICAL COMPOUNDS AND SUBSTANCES FOR ADDITION TO MINERAL OIL LUBRICANTS TO IMPROVE THE LUBRICATING PROPERTIES OF SUCH LUBRICANTS. THE PURE OIL COMPANY, Chicago, Ill.
Filed October 23, 1947. Serial No. 538,812. PUBLISHED SEPTEMBER 7, 1948. Class 6.

505,030. ELECTRIC HAIR DRIERS, PERMANENT HAIR WAVING MACHINES AND PARTS THEREOF, ETC. EUGENE, LTD., Brooklyn, N. Y.
Filed October 27, 1947. Serial No. 539,142. PUBLISHED SEPTEMBER 14, 1948. Class 44.

505,031. WOODEN CROSSARMS, FOR USE ON TELEPHONE POLES, TELEGRAPH POLES, AND THE LIKE. AMERICAN CROSSARM & CONDUIT COMPANY, Chicago, Ill.
Filed October 29, 1947. Serial No. 539,378. PUBLISHED AUGUST 31, 1948. Class 12.

505,032. FINELY DIVIDED FULLER'S EARTH. ATTAPULGUS CLAY COMPANY, Wilmington, Del., and Philadelphia, Pa.
Filed October 29, 1947. Serial No. 539,388. PUBLISHED AUGUST 31, 1948. Class 1.

505,033. REPROCESSED AND REUSED WOOL. B. COHEN & SONS, Woonsocket, R. I.
Filed October 29, 1947. Serial No. 539,394. PUBLISHED SEPTEMBER 7, 1948. Class 1.

505,034. PERFUME, HAIR TONIC, SHAMPOO AND AFTER SHAVE LOTION. WILLIAM S. FORMAN, doing business as W. S. Forman Co., Chicago, Ill.
Filed October 29, 1947. Serial No. 539,405. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,035. WATERPROOFING MATERIAL COMPRISING A LIQUID MIXTURE OF ORGANIC MATERIALS FOR BRUSHING OR SPRAYING ON MASONRY AND FOR PENETRATION THEREINTO. STOPALL WATERPROOFING MANUFACTURERS, INC., Kalamazoo, Mich.
Filed October 29, 1947. Serial No. 539,457. PUBLISHED AUGUST 24, 1948. Class 12.

505,036. SOLE LEATHER. TRANSYLVANIA TANNING CO., Brevard, N. C., and New York, N. Y.
Filed October 30, 1947. Serial No. 539,580. PUBLISHED SEPTEMBER 7, 1948. Class 1.

505,037. PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C
Filed July 8, 1947. Serial No. 539,813. PUBLISHED SEPTEMBER 14, 1948. Class 38.

505,038. FIBER BOARD, THERMAL INSULATING BOARD, COMPOSITE BOARD, CONSTRUCTION BOARD, SYNTHETIC LUMBER OR ARTIFICIAL LUMBER, HARDBOARD AND HEAT AND SOUND INSULATING PRODUCTS IN SHEET AND BLANKET FORM, ETC. MASONITE CORPORATION, Chicago, Ill., and Laruel, Miss.
Filed July 14, 1947. Serial No. 539,823. PUBLISHED AUGUST 24, 1948. Class 12.

505,039. FRESH CITRUS FRUITS. COVINA ORANGE GROWERS ASSOCIATION, Covina, Calif.
Filed November 1, 1947. Serial No. 539,854. PUBLISHED SEPTEMBER 14, 1948. Class 46.

505,040. GRASS SEED. J. OLIVER JOHNSON SEED COMPANY, Chicago, Ill.
Filed November 1, 1947. Serial No. 539,881. PUBLISHED SEPTEMBER 7, 1948. Class 1

505,041. DOG SHAMPOO. THE VOWEL COMPANY, St. Louis, Mo.
Filed November 1, 1947. Serial No. 539,922. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,042. UPPER LEATHERS MADE OF COWHIDE. EAGLE-FLAGG TANNING CORPORATION, New York, N. Y.
Filed November 4, 1947. Serial No. 540,056. PUBLISHED SEPTEMBER 7, 1948. Class 1.

505,043. PREPARED, STERILIZED POTTING SOIL FOR USE IN CONNECTION WITH THE GROWTH OF PLANTS. ANTHONY SPALLINO, Niagara Falls, N. Y.
Filed November 6, 1947. Serial No. 540,329. PUBLISHED SEPTEMBER 14, 1948. Class 1.

505,044. UPPER LEATHERS. N. BREZNER & CO., INC., Boston, Mass.
Filed November 7, 1947. Serial No. 540,375. PUBLISHED SEPTEMBER 14, 1948. Class 1.

505,045. DEFLUORINATED PHOSPHATE FOR USE AS PLANT AND ANIMAL FOOD SUPPLEMENTS. INTERNATIONAL MINERALS & CHEMICAL CORPORATION, Chicago, Ill.
Filed November 7, 1947. Serial No. 540,418. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,046. COMPOUNDED PETROLEUM WAX. NATIONAL WAX COMPANY, Chicago, Ill.
Filed November 7, 1947. Serial No. 540,441. PUBLISHED SEPTEMBER 14, 1948. Class 1.

505,047. HAIR TINT FOR WHITE AND GREY HAIR. EUGENE, LTD., Brooklyn, N. Y.
Filed November 10, 1947. Serial No. 540,653. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,048. BRASS POLISH, LIQUID PASTE OR SEMI-PASTE. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed November 12, 1947. Serial No. 540,912. PUBLISHED SEPTEMBER 7, 1948. Class 4.

505,049. PERIODICALS PUBLISHED FROM TIME TO TIME. STANLEY HOME PRODUCTS, INC., Westfield, Mass.
Filed November 12, 1947. Serial No. 540,932. PUBLISHED SEPTEMBER 14, 1948. Class 38.

505,050. PLAY VEHICLE COMPRISING A TRICYCLE HAVING A WAGON BOX SUPPORTED BY THE BACKBONE AND REAR WHEELS. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio.
Filed November 13, 1947. Serial No. 540,997. PUBLISHED JULY 20, 1948. Class 22.

505,051. PERIODICALS PUBLISHED FROM TIME TO TIME. SUTTON PUBLISHING COMPANY, INC., New York, N. Y.
Filed July 24, 1947. Serial No. 541,058. PUBLISHED AUGUST 31, 1948. Class 38.

505,052. HAIR COLORING RINSES. NOREEN, INC., Denver, Colo.
Filed November 14, 1947. Serial No. 541,169. PUBLISHED SEPTEMBER 7, 1948. Class 6.

505,053. BOOKS. MUS-ED RECORD CO., San Francisco, Calif.
Filed November 15, 1947. Serial No. 541,319. PUBLISHED AUGUST 31, 1948. Class 38.

505,054. STOVES. ROSS-MEEHAN FOUNDRIES, Chattanooga, Tenn.
Filed November 17, 1947. Serial No. 541,463. PUBLISHED SEPTEMBER 7, 1948. Class 34.

505,055. SOIL TESTING CHEMICALS FOR DETERMINING NITRATE-NITROGEN CONTENT OF SOILS. THE URBANA LABORATORIES, Urbana, Ill.
Filed November 18, 1947. Serial No. 541,612. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,056. SMOKING TOBACCO. BENSON & HEDGES, New York, N. Y.
Filed November 19, 1947. Serial No. 541,636. PUBLISHED AUGUST 31, 1948. Class 17.

505,057. ARTICLES MADE FROM ARTIFICIAL STONE—NAMELY, SLABS, BLOCKS, PLINTHS, PILASTERS, COLUMNS, ARCHITRAVES, ARCHIVOLTS, FRIEZE, MOLDING, COPING, CORNICES, STYLOBATES, BALUSTERS, AND RAILS. THE DEXTONE COMPANY, New Haven, Conn.
Filed November 19, 1947. Serial No. 541,653. PUBLISHED SEPTEMBER 7, 1948. Class 12.

505,058. WASTE HEAT ECONOMIZERS FOR DOMESTIC HEATING PLANTS. NATIONAL ENGINEERING & EQUIPMENT COMPANY, Providence, R. I.
Filed November 19, 1947. Serial No. 541,694. PUBLISHED SEPTEMBER 7, 1948. Class 34.

505,059. WETTING AGENT TO BE ADDED TO WATER FOR USE IN REMOVING SCUM, MILK STONE, WATER SCALE, CALCIUM, MAGNESIUM, AND OTHER HARD ELEMENTS IN THE WATER FROM DAIRY PROCESSING EQUIPMENT. MONARCH SOAP & CHEMICAL CO., Minneapolis, Minn.
Filed November 20, 1947. Serial No. 541,869. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,060. SPACE HEATING RADIATORS AND RADIANT ENERGY SPACE HEATERS OF THE FLUID CIRCULATING TYPE. WEIL-MCLAIN COMPANY, Chicago, Ill.
Filed November 20, 194 Serial No. 541,897. PUBLISHED SEPTEMBER 7, 1948. Class 34.

505,061. FIREBRICK. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed November 22, 1947. Serial No. 542,038. PUBLISHED SEPTEMBER 7, 1948. Class 12.

505,062. FIREBRICK. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed November 22, 1947. Serial No. 542,042. PUBLISHED SEPTEMBER 7, 1948. Class 12.

505,063. OILED STENCIL BOARD. MARSH STENCIL MACHINE COMPANY, Belleville, Ill.
Filed August 14, 1947. Serial No. 542,220. PUBLISHED SEPTEMBER 14, 1948. Class 37.

505,064. WRITING PAPER AND ENVELOPES. THE GRAY ENVELOPE MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed August 16, 1947. Serial No. 542,228. PUBLISHED SEPTEMBER 7, 1948. Class 37.

505,065. MONTHLY PERIODICAL. WESTERN ADVERTISING, San Francisco, Calif.
Filed November 25, 1947. Serial No. 542,380. PUBLISHED SEPTEMBER 14, 1948. Class 38.

505,066. HAND CREAM. DELAWARE VALLEY CHEMICALS, INC., Easton, Pa.
Filed December 3, 1947. Serial No. 543,146. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,067. PRESSURE-SENSITIVE ADHESIVE TAPE. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J.
Filed December 3, 1947. Serial No. 543,186. PUBLISHED SEPTEMBER 14, 1948. Class 5.

505,068. WEEKLY PUBLICATION. ALAR, INC., New York, N. Y.
Filed December 4, 1947. Serial No. 543,257. PUBLISHED AUGUST 17, 1948. Class 38.

505,069. GARDEN AND FIELD SEEDS AND BULBS. CORNELI SEED COMPANY, St. Louis, Mo.
Filed October 13, 1947. Serial No. 544,646. PUBLISHED AUGUST 10, 1948. Class 1.

505,070. CANDY. CARDINET CANDY COMPANY, INC., Oakland, Calif.
Filed October 22, 1947. Serial No. 544,657. PUBLISHED SEPTEMBER 14, 1948. Class 46.

505,071. HYPODERMIC INJECTION DEVICES. R. P. SCHERER CORPORATION, Detroit, Mich.
Filed December 20, 1947. Serial No. 545,040. PUBLISHED SEPTEMBER 7, 1948. Class 44.

505,072. PURE COCOANUT OIL TOILET SOAP, PINE OIL LIQUID CLEANING COMPOUND HAVING DISINFECTING AND DEODORIZING PROPERTIES, AND LIQUID SCRUBBING CONCENTRATE FOR FLOORS AND GENERAL CLEANING PURPOSES. SANITATION CORPORATION, Chicago, Ill.
Filed December 24, 1947. Serial No. 545,393. PUBLISHED AUGUST 31, 1948. Class 4.

505,073. HANDLE MOUNTED POT CLEANERS MADE OF METALLIC ABRASIVE MATERIAL. METAL TEXTILE CORPORATION, West Orange, N. J.
Filed January 2, 1948. Serial No. 546,008. PUBLISHED AUGUST 31, 1948. Class 4.

505,074. ARTIFICIAL CORK. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed August 28, 1947. Serial No. 546,158. PUBLISHED AUGUST 10, 1948. Class 1.

505,075. PERIODICAL. HONOLULU STAR-BULLETIN, LTD., Honolulu, Hawaii.
Filed January 12, 1948. Serial No. 546,772. PUBLISHED AUGUST 17, 1948. Class 38.

505,076. CHEESE. J. S. HOFFMAN COMPANY, Chicago, Ill.
Filed September 13, 1947. Serial No. 546,929. PUBLISHED SEPTEMBER 14, 1948. Class 46.

505,077. SYNTHETIC DETERGENT FOR THE FACE AND BATH. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed January 14, 1948. Serial No. 546,956. PUBLISHED SEPTEMBER 7, 1948. Class 4.

505,078. PERFUMES. DOROTHY GIBSON PERFUMES CORP., Brooklyn and New York, N. Y.
Filed January 15, 1948. Serial No. 547,112. PUBLISHED AUGUST 17, 1948. Class 6.

505,079. INGREDIENT IN DEODORANTS, ANTI-PERSPIRANTS, AND TOILETRIES. PEARSON PHARMACAL COMPANY, INC., New York, N. Y.
Filed January 16, 1948. Serial No. 547,274. PUBLISHED AUGUST 17, 1948. Class 6.

505,080. SHOE POLISHES, SHOE BLACKINGS, SHOE CLEANSERS, LEATHER DRESSINGS, LEATHER PRESERVATIVES, ETC. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed January 17, 1948. Serial No. 547,333. PUBLISHED AUGUST 31, 1948. Class 4.

505,081. PREPARATION IN LIQUID AND PASTE FORM FOR CLEANING, DRESSING AND POLISHING SHOES. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed January 17, 1948. Serial No. 547,340. PUBLISHED AUGUST 31, 1948. Class 4.

505,082. SHAMPOO. WILFRED H. LANGE, doing business as M. Lange Beauty Products, Rochester, N. Y.
Filed January 19, 1948. Serial No. 547,464. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,083. BAR SOAP IN PACKAGED FORM. LEE ROTHSCHILD, doing business as Corona Soapcrafters, Redlands, Calif.
Filed January 22, 1948. Serial No. 547,770. PUBLISHED AUGUST 31, 1948. Class 4.

505,084. MOTH PROOFING FLUID. FELLER-JONES CORPORATION, New York, N. Y.
Filed February 9, 1948. Serial No. 549,142. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,085. DIAPER ODOR COUNTERACTANT. AIREM, INC., New York, N. Y.
Filed February 27, 1948. Serial No. 550,641. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,086. SACHET CREAM. INTERSTATE SALES CO., Waco, Tex.
Filed March 8, 1948. Serial No. 551,461. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,087. PREPARATION FOR THE RELIEF OF RHEUMATISM, ARTHRITIS AND NEURALGIA. JOHN SIDNEY BRAZIER, doing business as Brazier's Laboratory, Donaldsonville, La.
Filed March 9, 1948. Serial No. 551,513. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,088. MEDICINAL PREPARATION FOR THE TREATMENT OF INDIGESTION. NORGINE LABORATORIES, INC., New York, N. Y.
Filed March 9, 1948. Serial No. 551,576. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,089. COLUMN IN A PERIODICAL PUBLICATION. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed March 10, 1948. Serial No. 551,663. PUBLISHED SEPTEMBER 14, 1948. Class 38.

505,090. COLUMN IN A PERIODICAL PUBLICATION. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed March 10, 1948. Serial No. 551,664. PUBLISHED SEPTEMBER 14, 1948. Class 38.

505,091. COLUMN IN A PERIODICAL PUBLICATION. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed March 10, 1948. Serial No. 551,665. PUBLISHED SEPTEMBER 14, 1948. Class 38.

505,092. COLUMN IN A PERIODICAL PUBLICATION. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed March 10, 1948. Serial No. 551,666. PUBLISHED SEPTEMBER 14, 1948. Class 38.

505,093. COLUMN IN A PERIODICAL PUBLICATION. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed March 10, 1948. Serial No. 551,667. PUBLISHED SEPTEMBER 14, 1948. Class 38.

505,094. PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT, AND ITCHING TOES. S. E. COVER, Andrews, N. C.
Filed March 11, 1948. Serial No. 551,694. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,095. POULTRY WORMING COMPOUND. BURRELL-DUGGER COMPANY, Indianapolis, Ind.
Filed March 12, 1948. Serial No. 551,764. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,096. MEDICATED OINTMENT. THE PHARMA-CRAFT CORPORATION, New York, N. Y.
Filed March 12, 1948. Serial No. 551,816. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,097. ANTISEPTIC MOUTH WASH, ALSO USED AS A GENERAL ANTISEPTIC IN THE PREVENTION OF COLDS AND SORE THROATS, FOR TREATMENT OF TIRED OR TENDER FEET, AND FOR MINOR CUTS, ABRASIONS, SCRATCHES, AND MOSQUITO BITES. ALTONE CHEMICAL COMPANY, INC., New Orleans, La.
Filed March 17, 1948. Serial No. 552,104. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,098. PERFUMES. EDITH LAWRENCE, doing business as The Lawrence Company, Laguna Beach, Calif.
Filed March 18, 1948. Serial No. 552,248. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,099. INSECTICIDE. XTERMINATOR PRODUCTS CORPORATION, Jersey City, N. J.
Filed March 18, 1948. Serial No. 552,303. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,100. ANTACID PREPARATIONS. EATON LABORATORIES INC., Norwich, N. Y.
Filed March 19, 1948. Serial No. 552,443. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,101. MAGAZINE FEATURE, SECTION, OR DEPARTMENT PUBLISHED MONTHLY. HEARST MAGAZINES INC., New York, N. Y.
Filed April 5, 1948. Serial No. 553,854. PUBLISHED AUGUST 31, 1948. Class 38.

505,102. SOAP. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed April 10, 1948. Serial No. 554,313. PUBLISHED AUGUST 31, 1948. Class 4.

505,103. INSECTICIDES USED AS GARDEN AND ORCHARD SPRAYS. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif.
Filed April 10, 1948. Serial No. 554,331. PUBLISHED SEPTEMBER 7, 1948. Class 6.

505,104. INSECTICIDES USED AS GARDEN AND ORCHARD SPRAYS. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif.
Filed April 10, 1948. Serial No. 554,332. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,105. MAGAZINE FEATURE, SECTION, OR DEPARTMENT PUBLISHED MONTHLY. HEARST MAGAZINES INC., New York, N. Y.
Filed April 14, 1948. Serial No. 554,567. PUBLISHED AUGUST 31, 1948. Class 38.

505,106. TOILET SOAP AND LAUNDRY SOAP. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed April 21, 1948. Serial No. 555,161. PUBLISHED AUGUST 31, 1948. Class 4.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

505,107. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) UNIVERSITY LABORATORIES, INC., Milwaukee, Wis. Filed June 21, 1948. Serial No. 464,151.

Sulf-A-Soap

FOR SOAP.
Claims use since Aug. 10, 1943.

505,108. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES W. MILLS, JR., also doing business as Pur-O-Breath Co., Auburn, Ala. Filed October 15, 1948. Serial No. 498,301.

Pur-O-Breath

FOR BREATH PURIFYING TABLETS.
Claims use since Feb. 2, 1946.

505,109. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) SOUND EQUIPMENT CORPORATION OF CALIFORNIA, Glendale, Calif. Filed November 24, 1947. Serial No. 502,852.

KOPPER KORE

FOR ELECTRICAL SOLDERING IRONS.
Claims use since Feb. 15, 1946.

505,110. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARMAND A. FOX, doing business as Hygiea Products Co., Detroit, Mich. Filed February 26, 1948. Serial No. 506,812.

Soraid

FOR ANTISEPTIC SKIN REMEDY.
Claims use since July 19, 1946.

505,111. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed February 20, 1948. Serial No. 509,463.

Lady Carroll

The name "Lady Carroll" appearing on the drawing is fictitious.
FOR HANDBAGS, PURSES, POCKET-BOOKS, AND WALLETS.
Claims use since Aug. 23, 1946.

505,112. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed February 20, 1948. Serial No. 509,467.

Lady Carroll

The name "Lady Carroll" appearing on the drawing is fictitious.
FOR UMBRELLAS.
Claims use since August 23, 1946.

505,113. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) P. F. LIKINS, doing business as P. F. Likins Co., Chula Vista, Calif. Filed October 20, 1947. Serial No. 510,847.

LIKE-PAK

FOR FRESH VEGETABLES.
Claims use since Jan. 23, 1946.

505,114. (CLASS 12. CONSTRUCTION MATERIALS.) THE PANEL-ETTE CORPORATION, New Orleans, La. Filed December 5, 1947. Serial No. 511,494.



The drawing is lined to indicate shading only.
FOR VENEER COVERED PANEL BOARD TO BE USED AS A WALL SURFACE COVERING.
Claims use since June 25, 1946.

505,115. (CLASS 32. FURNITURE AND UPHOLSTERY.) NACHMAN CORPORATION, Chicago, Ill. Filed Sept. 30, 1948. Serial No. 513,329.

Wyre-Ty

FOR SPRING ASSEMBLIES FOR UPHOLSTERY.
Claims use since Nov. 7, 1946.

505,116. (CLASS 31. FILTERS AND REFRIGERATORS.) LOUIS H. BEHRENS, doing business as Behrens' Fixture Company, Denver, Colo. Filed Jan. 12, 1948. Serial No. 523,819.



The drawing is lined for blue.
FOR REFRIGERATORS AND REFRIGERATING EQUIPMENT—NAMELY, WALK-IN REFRIGERATING UNITS AND QUICK-FREEZE STORAGE CABINETS.
Claims use since Feb. 1, 1946.

505,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT R. BARRA, Burlington, Vt. Filed May 28, 1948. Serial No. 526,566.

BARRA'S
RUB-MASSAGE

FOR LIQUID PREPARATION APPLIED EXTERNALLY TO THE BODY FOR RELIEF OF SPRAINS AND MUSCULAR SORENESS.
Claims use since Oct. 21, 1925.

505,118. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed July 5, 1947. Serial No. 527,582.

TRIANGULAR

FOR ELECTRIC RANGE UNITS AND IMMERSION HEATERS, AND PARTS THEREOF.
Claims use since June 1946.

505,119. (CLASS 11. INKS AND INKING MATERIALS.) JOHN P. NISSEN, JR., COMPANY, Glenside, Pa. Filed Oct. 15, 1948. Serial No. 530,240.

CLOS MAR KING

FOR TEXTILE INK.
Claims use since July 9, 1947.

505,120. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) LAHER SPRING AND TIRE CORPORATION, Oakland, Calif. Filed Sept. 25, 1948. Serial No. 530,519.

RICHMOND

FOR AUTOMOBILE STORAGE BATTERIES.
Claims use since June 6, 1947.

505,121. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SPYRO TOY COMPANY, Detroit, Mich. Filed Oct. 6, 1948. Serial No. 530,867.



The word "Detroit" is disclaimed.
FOR TOY TOPS.
Claims use since July 7, 1947.

505,122. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) VITALIC BATTERY COMPANY, INC., Dallas, Tex. Filed Sept. 4, 1948. Serial No. 533,797.

Plasticase

FOR STORAGE BATTERIES AND STORAGE BATTERY CASES.
Claims use since Aug. 14, 1947.

505,123. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) STEWART HARTSHORN COMPANY, New York, N. Y. Filed Oct. 21, 1948. Serial No. 536,307.

Fyrban

FOR SHADE CLOTH.
Claims use since Sept. 16, 1947.

505,124. (CLASS 37. PAPER AND STATIONERY.) TARENTUM/ PRODUCTS CORPORATION, Tarentum, Pa. Filed Sept. 22, 1948. Serial No. 537,252.

TUFFLINER

FOR WRAPPING PAPER, LINING PAPER, FOR CONTAINERS AND PAPER FOR USE IN MAKING CORRUGATED PAPER.
Claims use since Sept. 1, 1947.

505,125. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CORDES OETJEN, doing business as Atlanta Sales Company, Atlanta, Ga. Filed Sept. 22, 1948. Serial No. 538,804.



FOR COVER FOR FISHERMAN'S CASTING ROD HANDLE AND REEL.
Claims use since Apr. 17, 1947.

505,126. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADAMS CANDY COMPANY, Dallas, Tex. Filed Sept. 14, 1948. Serial No. 539,465.

GET A TASTE OF TEXAS IN YOUR MOUTH

Applicant claims ownership of registration No. 417,873.
FOR CANDY AND CANDY-TYPE SAUCE FOR USE ON CAKE, ICE CREAM, AND LIKE FOODS.
Claims use since May 10, 1944.

505,127. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CLARIS E. ESLICK, Stratford, Iowa. Filed Sept. 14, 1948. Serial No. 540,059.

CARP
CAT-FISH CANDY
CANDY

FOR FISH BAIT COMPRISING AN EDIBLE FOOD COMPOSITION IN THE FORM OF PELLETS, OR THE LIKE, ADAPTED TO BE PLACED ON FISH HOOKS AS BAIT.
Claims use since June 1, 1947.

505,128. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VIDEO TELEVISION, INC., New York, N. Y. Filed Sept. 13, 1948. Serial No. 543,549.

Rig-Fast

FOR TELEVISION ANTENNA AND ANTENNA MOUNTS, CLAMPS, AND STANDOFFS.
Claims use since Nov. 5, 1945.

505,129. (CLASS 2. RECEPTACLES.) CLIFFORD B. HANNAY & SON, INC., Westerlo, N. Y. Filed Dec. 22, 1947. Serial No. 545,127.

HANNAY

FOR HOSE REELS.
Claims use since Feb. 2, 1945.

505,130. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) DAVIS & LAWRENCE COMPANY, Dobbs Ferry, N. Y. Filed Aug. 2, 1948. Serial No. 549,037.



The drawing is lined to indicate the color red.
FOR NONALCOHOLIC BEVERAGES IN THE NATURE OF MALTLESS SOFT DRINKS.
Claims use since Feb. 19, 1948.

TRADE-MARK REGISTRATIONS RENEWED

32,514. "CHARLES & CO" ETC. AND REPRESENTATION OF A CONVENTIONAL STEAMER BASKET. Registered Feb. 21, 1899. Charles & Co. Re-renewed Feb. 21, 1949, to Charles & Co., Inc., New York, N. Y., a corporation of New York. COFFEE, CHOCOLATE, FLOUR AND OTHER NAMED FOOD PRODUCTS; CANDLES, LAUNDRY ARTICLES AND PREPARATIONS, SCOURING AND POLISHING COMPOUNDS, MATCHES, BROOMS, AND BRUSHES. Classes 4, 9, 15, 29, and 46.

70,856. "GILLETTE" ETC. AND DESIGN. Registered Oct. 13, 1908. Gillette Safety Razor Co. Re-renewed Oct. 13, 1948, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. RAZORS AND RAZOR BLADES. Class 23.

71,178. REPRESENTATION OF PICK. Registered Nov. 10, 1908. Chas. Chipman's Sons, Easton, Pa. Re-renewed Nov. 10, 1948, to Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York. HOSIERY. Class 39.

71,179. "E. Z. TOP." AND DESIGN. Registered Nov. 10, 1908. Chas. Chipman's Sons, Easton, Pa. Re-renewed Nov. 10, 1948, to Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York. HOSIERY. Class 39.

71,250. AMBASSADOR. Registered Nov. 10, 1908. Armsby Preserving Co. Re-renewed Nov. 10, 1948, to California Packing Corporation, San Francisco, Calif., a corporation of New York. CANNED FRUITS—NAMELY, APPLES, APRICOTS, BLACKBERRIES, CHERRIES, RASPBERRIES, ETC. Class 46.

72,061. "STEELCRETE" AND DESIGN. Registered Dec. 29, 1908. Chess Brothers, The Central Expanded Metal Company, Pittsburgh, Pa. Re-renewed Dec. 29, 1948, to Wheeling Corrugating Company, Wheeling, W. Va., a corporation of West Virginia. EXPANDED METAL. Class 12.

233,363. "KLING-TITE" ETC., AND DESIGN. Registered Sept. 27, 1927. Kling-Tite Paint Products Co., Chicago, Ill., a corporation of Illinois. Renewed Sept. 27, 1947. ROOF PAINTS. Class 16.

243,378. U. M. K. Registered June 19, 1928. Union Miniere du Haut Katanga, Brussels, Belgium. Renewed June 19, 1948, to Union Miniere du Haut Katanga, Brussels, Belgium, and Elizabethville, Belgian Congo, a corporation organized under the laws of the Belgian Congo. ELECTROLYTIC COPPER OF VARIOUS FORMS. Class 14.

244,375. LONE EAGLE. Registered July 17, 1928. George J. Hollenbeck, Sacramento, Calif. Renewed July 17, 1948, to Exeter Fruit Association, Exeter, Calif., a corporation of California. FRESH VEGETABLES—NAMELY, ASPARAGUS. Class 46.

245,301. COP-R-LOY. Registered Aug. 7, 1928. Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware. Renewed Aug. 7, 1948. METAL PIPE. Class 13.

246,960. SWEET'S. Registered Sept. 18, 1928. F. W. Dodge Corporation, New York, N. Y., a corporation of New York. Renewed Sept. 18, 1948. PERIODICAL PUBLISHED ANNUALLY. Class 38.

247,316. ASTRILD. Registered Sept. 25, 1928. John Boyle & Company, Incorporated, New York, N. Y., a corporation of New York. Renewed Sept. 25, 1948. COTTON DUCK. Class 42.

247,323. "IVORY" AND DESIGN. Registered Sept. 25, 1928. Blish Milling Company, Seymour, Ind., a corporation of Indiana. Renewed Sept. 25, 1948. WHEAT FLOUR AND PLAIN FLOUR. Class 46.

247,741. REPRESENTATION OF SIX OVALS. Registered Oct. 2, 1928. Van Camp Sea Food Co., Inc., Terminal Island, Calif., a corporation of California. Renewed Oct. 2, 1948. CANNED FISH, SMOKED FISH, AND PRESERVED FISH. Class 46.

247,816. HY-POWER. Registered Oct. 9, 1928. The Kroydon Company, Hilton, N. J. Renewed Oct. 9, 1948, to The Kroydon Company, Maplewood, N. J., a corporation of New Jersey. GOLF CLUBS, GOLF BALLS, GOLF BAGS, AND GOLF TEES. Class 22.

247,833. GUN-FIL. Registered Oct. 9, 1928. Gun-Fil Corporation, Philadelphia, Pa. Renewed Oct. 9, 1948, to Gray Company, Inc., Minneapolis, Minn., a corporation of Minnesota. LUBRICATING OILS AND GREASES. Class 15.

248,029. VICTORIA-PARK. Registered Oct. 16, 1928. Whitney-Eckstein Seed Co. Renewed Oct. 16, 1948, to Whitney Seed Co., Inc., Buffalo, N. Y., a corporation of New York. LAWN GRASS AND FIELD SEEDS. Class 1.

248,065. DUXBAC. Registered Oct. 16, 1928. The Logan-Long Company, Chicago, Ill., a corporation of Ohio. Renewed Oct. 16, 1948. PREPARED ROLL ROOFING. Class 12.

248,116. U-SERV-IT. Registered Oct. 16, 1928. Florida Fruit Canners, Inc. Renewed Oct. 16, 1948, to L. Maxcy, Inc., Frostproof, Fla., a corporation of Florida. CANNED GRAPEFRUIT. Class 46.

248,258. CAVODENT. Registered Oct. 16, 1928. Cavendish Chemical Corp. Renewed Oct. 16, 1948, to Cavendish Pharmaceutical Corp., New York, N. Y., a corporation of New York. TOOTH PASTES. Class 6.

248,268. 999. Registered Oct. 16, 1928. The Ohio Salt Company, Wadsworth, Ohio. Renewed Oct. 16, 1948, to Worcester Salt Company, New York, N. Y., a corporation of Delaware. SALT. Class 46.

248,608. "SIGARI DE NOBILI" ETC. AND DESIGN LINED FOR RED AND GREEN. Registered Oct. 23, 1928. De Nobili Cigar Company, New York, N. Y. Renewed Oct. 23, 1948, to De Nobili Cigar Company, Long Island City, N. Y., a corporation of New York. CIGARS. Class 17.

248,674. COP-R-LOY. Registered Oct. 30, 1928. Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware. Renewed Oct. 30, 1948. BLACK AND GALVANIZED STEEL SHEETS. Class 14.

249,071. SPEE DEE. Registered Nov. 6, 1928. The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 6, 1948. GAS, OIL, AND VAPOR HOT-WATER STORAGE AND HEATING TANKS AND THOSE ADAPTED FOR HEATING BY THERMOSIPHON OR COILS; GAS, OIL, AND VAPOR WATER HEATERS AND THERMOSTATIC VALVES FURNISHED AS PARTS OF HEATING DEVICES. Class 34.

249,168. BACHELOR. Registered Nov. 6, 1928. Arthur Lawrence Wilson, Hamilton, Ontario, Canada. Renewed Nov. 6, 1948. LEATHER SHOES. Class 39.

249,382. "DITTO" ETC. AND DESIGN. Registered Nov. 13, 1928. Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia. Renewed Nov. 13, 1948. PAPER FOR STATIONERY USE FOR BUSINESS FORMS PRINTED WITH STANDARD BUSINESS INK, ETC. Class 37.

249,730. BROWN. Registered Nov. 20, 1928. The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 20, 1948. POTENTIOMETERS FOR MEASURING ELECTRICAL POTENTIALS, AUTOMATIC CONTROLLING INSTRUMENTS FOR CONTROLLING SWITCHES, ETC. Class 26.

249,873. "RUSHMORE BRAND" AND DESIGN. Registered Nov. 20, 1928. Rapid City Packing Company. Renewed Nov. 20, 1948, to Black Hills Packing Co., Rapid City, S. Dak., a corporation of South Dakota. SMOKED MEATS—NAMELY, HAMS, BACON, PICNICS, AND BACON NUGGETS; COOKED MEATS, SMOKED AND FRESH—NAMELY, BOILED HAMS, WIENERS, ETC. Class 46.

249,923. ONONDA. Registered Nov. 27, 1928. Onondaga Silk Co., Inc., Syracuse and New York, N. Y. Renewed Nov. 27, 1948, to Onondaga Silk Co., Inc., New York, N. Y., a corporation of New York. SILK FABRICS IN THE PIECE. Class 42.

249,924. ONDASOIE. Registered Nov. 27, 1928. Onondaga Silk Co., Inc., Syracuse and New York, N. Y. Renewed Nov. 27, 1948, to Onondaga Silk Co., Inc., New York, N. Y., a corporation of New York. SILK FABRICS IN THE PIECE. Class 42.

250,108. ONOMAINE. Registered Nov. 27, 1928. Onondaga Silk Co., Inc., Syracuse and New York, N. Y. Renewed Nov. 27, 1948, to Onondaga Silk Co., Inc., New York, N. Y., a corporation of New York. SILK FABRICS IN THE PIECE. Class 42.

250,427. RADIANT. Registered Dec. 11, 1928. Midway Chemical Company, Chicago, Ill. Renewed Dec. 11, 1948, to Boyle-Midway Inc., Jersey City, N. J., and New York, N. Y., a corporation of Delaware. DUST MOPS AND POLISH MOPS. Class 29.

250,597. "CONDOR" ETC. AND DESIGN LINED FOR GREEN AND RED. Registered Dec. 11, 1928. De Nobili Cigar Company, New York, N. Y. Renewed Dec. 11, 1948, to De Nobili Cigar Company, Long Island City, N. Y., a corporation of New York. CIGARS. Class 17.

250,598. CONDOR. Registered Dec. 11, 1928. De Nobili Cigar Company, New York, N. Y. Renewed Dec. 11, 1948, to De Nobili Cigar Company, Long Island City, N. Y., a corporation of New York. CIGARS. Class 17.

251,146. NATIONAL MAID. Registered Jan. 1, 1929. National Tea Co., Chicago, Ill., a corporation of Illinois. Renewed Jan. 1, 1949. BAKERY PRODUCTS, PARTICULARLY, BREAD, TOAST, AND DOUGHNUTS. Class 46.

251,390. REPRESENTATION OF A CONDOR. Registered Jan. 8, 1929. De Nobili Cigar Company, New York, N. Y. Renewed Jan. 8, 1949, to De Nobili Cigar Company, Long Island City, N. Y., a corporation of New York. CIGARS. Class 17.

251,735. T. S. F. Registered Jan. 15, 1929. Burrell-Dugger Company, Indianapolis, Ind., a corporation of Indiana. Renewed Jan. 15, 1949. INSECTICIDE OR PREPARATION TO KILL LICE. Class 6.

251,850. "A–1", AND REPRESENTATION OF CUP, AND DESIGN. Registered Jan. 15, 1929. Alexander-Balart Company, San Francisco, Calif., a corporation of California. Renewed Jan. 15, 1949. COFFEE. Class 46.

252,278. "CROUCH & FITZGERALD" ETC. AND DESIGN. Registered Jan. 29, 1929. Crouch & Fitzgerald Corporation, New York, N. Y., a corporation of New York. Renewed Jan. 29, 1949. SUITCASES, TRAVELING BAGS, FITTED AND UNFITTED SUITCASES, PORTFOLIOS, WARDROBE TRUNKS, STEAMER TRUNKS. Class 3.

252,368. SUPRE-MACY. Registered Feb. 5, 1929. R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Renewed Feb. 5, 1949. LAWN MOWERS. Class 23.

252,531. "DRESSOLINE" ETC. AND DESIGN. Registered Feb. 12, 1929. Dressoline Manufacturing Company, Chicago, Ill., a firm. Renewed Feb. 12, 1949. ANTISEPTIC SALVE FOR EXTERNAL USE IN THE TREATING OF CUTS, BURNS, ULCERS, ETC. Class 6.

252,670. "V-C FERTILIZERS" ETC. AND DESIGN. Registered Feb. 12, 1929. Virginia-Carolina Chemical Corporation, Richmond, Va., a corporation of Virginia. Renewed Feb. 12, 1949. FERTILIZERS. Class 10.

252,896. "TANNATE" ETC. AND DESIGN. Registered Feb. 19, 1929. J. E. Rhoads & Sons, Philadelphia, Pa., a firm. Renewed Feb. 19, 1949. LEATHER BELTING. Class 35.

252,932. NANCY ANN. Registered Feb. 19, 1929. R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Renewed Feb. 19, 1949. MORNING DRESSES FOR WOMEN AND MISSES. Class 39.

253,065. FARMER BOY. Registered Feb. 19, 1929. W & W Pickle & Canning Co., Montgomery, Ala., a corporation of Alabama. Renewed Feb. 19, 1949. PICKLES. Class 46.

253,232. "SWISS KNIGHT" AND DESIGN LINED FOR RED AND BLUE. Registered Feb. 26, 1929. Gerber & Co., Inc., New York, N. Y., a corporation of New York. Renewed Feb. 26, 1949. CHEESE. Class 46.

253,611. RED BAND ON PENCIL. Registered Mar. 5, 1929. Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Renewed Mar. 5, 1949. LEAD PENCILS, PENCIL-POINT PROTECTORS, PENCIL HOLDERS, PENCIL LENGTHENERS, AND FLAT POCKET PENCILS. Class 37.

254,114. YORK RIVER. Registered Mar. 12, 1929. Taylor & Caldwell. Renewed Mar. 12, 1949, to Taylor & Caldwell, Inc., Walkerton, Va., a corporation of Virginia. CANNED VEGETABLES. Class 46.

254,440. BLUE RIBBON. Registered Mar. 26, 1929. Brown Shoe Company, Inc., St. Louis, Mo., a corporation of New York. Renewed Mar. 26, 1949. SHOES MADE OF LEATHER, CLOTH, CANVAS OR COMBINATIONS THEREOF. Class 39.

254,526. ORTHOSIN. Registered Mar. 26, 1929. Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York. Renewed Mar. 26, 1949. OPHTHALMIC LENSES. Class 26.

254,763. MONEY-BACK. Registered Apr. 2, 1929. The C. Callahan Company, Lafayette, Ind., a corporation of Indiana. Renewed Apr. 2, 1949. CANNED FRUITS, CANNED VEGETABLES, CANNED OYSTERS, AND CANNED FISH, ETC. Class 46.

254,821. REPRESENTATION OF DOG. Registered Apr. 2, 1929. Wortendyke Manufacturing Co., Richmond, Va., a corporation of Virginia. Renewed Apr. 2, 1949. TOILET PAPER. Class 37.

254,864. EFEDRON. Registered Apr. 2, 1929. Hart Drug Corporation, Miami, Fla., a corporation of Florida. Renewed Apr. 2, 1949. NASAL JELLY FOR THE TREATMENT OF HAY FEVER, COLDS, CATARRH, AND SINUS INFECTIONS. Class 6.

255,040. "ROSEDAY" AND DESIGN. Registered Apr. 9, 1929. Albert Rosenblatt & Sons, Inc., New York, N. Y,. a corporation of New York. Renewed Apr. 9, 1949. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. Class 39.

255,262. TRAVIATA. Registered Apr. 16, 1929. J. B. Martin Company, Norwich, Conn., a corporation of Delaware. Renewed Apr. 16, 1949. PILE-FABRIC PIECE GOODS. Class 42.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

190,013. SNUGFIT AND DESIGN. Registered Sept. 30, 1924. A. Kommel & Sons, New York, N. Y. HOSIERY AND UNDERWEAR OF KNITTED AND TEXTILE FABRICS FOR MEN, ETC. Class 39. Amended as follows: In the statement, line 14, the comma after "corsets" is deleted and the word *and* is inserted in lieu thereof; lines 15 and 16, "slippers, and shoes made of leather, rubber, fabric, or combinations thereof," is deleted.

216,809. HOUSEHOLD. Registered Aug. 24, 1926. The New Home Sewing Machine Co., New York, N. Y. SEWING MACHINES. Class 23. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, "Co." should be *Company*; and in line 4 of the certificate, and line 3 of the statement, "Delaware" should be *Massachusetts*.

239,288. ROLY POLY. Registered Feb. 28, 1928. James Franklin Brown, doing business as The Roly Poly Co., Cincinnati, Ohio. BAKERY GOODS—NAMELY, BREAD, CAKES, CRACKERS, ETC. Class 46. Amended as follows: In the statement, lines 9, 10 and 11, "bakery goods—namely, bread, cakes, crackers, cookies and wafers;" is deleted.

250,755. DERMALINE. Registered Dec. 18, 1928. The American Products Company, Cincinnati, Ohio. HAND SOAP, FACIAL SOAP, ETC. Class 4. Corrected as follows: In the certificate, line 4, and in the statement, line 3, "Ohio" should be *Delaware*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

33,234. EMERALD. Registered July 18, 1899. American Waltham Watch Company. WATCHES AND THEIR PARTS AND WATCH-MOVEMENTS. Class 27. New certificate under section 7(c) issued Dec. 21, 1948, to Weisfield & Goldberg, Inc., Seattle, Wash., a corporation of Delaware.

257,313. THE PACIFIC MONTHLY. Registered June 4, 1929. Sunset Magazine, Inc. MAGAZINE ISSUED MONTHLY. Class 38. New certificate under section 7(c) issued Dec. 21, 1948, to Lane Publishing Co., San Francisco, Calif., a corporation of Nevada.

440,248. MAYGLO. Registered Aug. 17, 1948. Beacon Manufacturing Company. BLANKETS MADE OF WOOL, RAYON, AND COTTON. Class 42. New certificate under section 7(c) issued Dec. 21, 1948, to The May Department Stores Company, St. Louis, Mo., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 84,158. Registered Nov. 14, 1911. AMERICAN REFRACTORIES COMPANY, Chicago, Ill. Republished by American-Austrian Magnesite Corporation, Pittsburgh, Pa., a corporation of Delaware.



FOR MAGNESITE.
Claims use since June 1910.

Reg. No. 210,557. Registered Mar. 16, 1926. H. H. ROBERTSON COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

PARADURA

FOR ASPHALTS AND COMPOSITIONS EMBODYING ASPHALTS AND LIKE BITUMINOUS MATERIALS SOLD AS A RAW OR PARTLY PREPARED MATERIAL.
Claims use since Sept. 19, 1924.

Reg. No. 327,138. Registered Aug. 20, 1935. J. LICHTMAN & SONS, Newark, N. J., a corporation of New Jersey. Republished by registrant.

SWAGGER BUK

The word "Buk" is disclaimed apart from the mark as shown.

FOR LEATHER.

Claims use since Mar. 1, 1935.

Reg. No. 400,260. Registered Feb. 23, 1943. FRANCIS C. STOKES COMPANY, Vincentown, N. J., a corporation of New Jersey. Republished by registrant.

Stokes'

FOR TOMATO SEEDS.

Claims use since 1881.

CLASS 2

RECEPTACLES

Reg. No. 99,326. Registered Aug. 25, 1914. LYON METALLIC MANUFACTURING COMPANY, Montgomery, Ill. Republished by Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois.

LYON

FOR METAL BOXES, LOCKERS, AND TOOL-BOXES.

Claims use since about Dec. 1, 1913.

Reg. No. 230,609. Registered Aug. 2, 1927. FARMERS MANUFACTURING COMPANY, Norfolk, Va. Republished by Farmers Incorporated, Norfolk, Va., a corporation of Virginia.

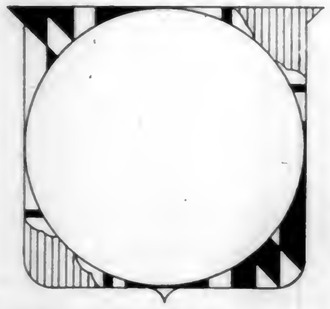
FARMCO PRODUCTS

The word "Products" is disclaimed apart from the mark as shown.

FOR FRUIT AND VEGETABLE WOODEN PACKAGES AND PARTS THEREOF.

Claims use since Mar. 11, 1927.

Reg. No. 429,060. Registered Apr. 15, 1947. THE MARYLAND CONTAINER COMPANY, Baltimore, Md., a corporation of Maryland. Republished by registrant.



FOR CORRUGATED FIBREBOARD SHIPPING BOXES, CARTONS, AND CASES.

Claims use since August 1934.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 434,049. Registered Nov. 4, 1947. E. J. WILKINS COMPANY, Gloversville, N. Y., a corporation of New York. Republished by registrant.

Key Valet

The word "Key" is disclaimed apart from the mark as shown.

FOR KEY CASES.

Claims use since Jan. 3, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 64,090. Registered July 23, 1907. GEORGE WILLIAM HOFFMAN, Indianapolis, Ind. Republished by Marie R. Miller, doing business as The Walter W. Miller Company, Indianapolis, Ind.

U.S. METAL POLISH

FOR COMPOUND FOR POLISHING METALS AND OTHER HARD MATERIALS.

Claims use since January 1884.

Reg. No. 274,639. Registered Sept. 2, 1930. THE LEA MANUFACTURING COMPANY, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

LEA

FOR FINISHING COMPOSITIONS FOR BUFFING AND POLISHING METALLIC AND OTHER SURFACES.

Claims use since February 1924.

Reg. No. 290,745. Registered Dec. 20, 1932. THE SOLVAY PROCESS COMPANY, Geddes, N. Y. Republished by The Solvay Process Company, a corporation of New York, now by merger Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

SOLVAY

FOR CLEANSING AND SCOURING COMPOUND AND FOR A CLEANING COMPOUND FOR REMOVING CASEIN AND MILKSTONE, PARTICULARLY FOR USE IN DAIRIES AND CREAMERIES.

Claims use since Sept. 29, 1930.

Reg. No. 304,157. Registered June 20, 1933. THE LEA MANUFACTURING COMPANY, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

LEAROK

FOR ABRASIVE COMPOSITION FOR BUFFING, COLORING, ABRADING, AND CUTTING SURFACES OF METAL OR OTHER MATERIALS.

Claims use since Jan. 4, 1931.

Reg. No. 433,573. Registered Oct. 21, 1947. REILLY-WHITEMAN-WALTON COMPANY, Conshohocken, Pa., a corporation of Pennsylvania. Republished by registrant.

POLYSAN

FOR FATTY OILS, MODIFIED BY ALCOHOLYSIS TO PRODUCE COMPOUNDS READILY SELF-EMULSIFIABLE IN WATER AND SUITABLE IN WATER EMULSION AS RESPECTS LEATHER FOR USE AS A FAT LIQUOR FOR THE PURPOSE OF INCORPORATING INTO FINISHED LEATHER A CERTAIN AMOUNT OF OIL OR FAT TO REPLACE THAT WHICH IS NECESSARILY REMOVED IN TANNING OPERATION.

Claims use since Nov. 16, 1945.

Reg. No. 433,972. Registered Nov. 4, 1947. THE MORTON S. PINE CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SPLIT-SECOND

FOR CLEANING PREPARATION HAVING INCIDENTAL WATER-SOFTENING QUALITIES.

Claims use since Nov. 20, 1945.

CLASS 5

ADHESIVES

Reg. No. 70,257. Registered Aug. 18, 1908. DENNISON MANUFACTURING COMPANY, Boston, Mass. Republished by Dennison Manufacturing Company (1911), Framingham, Mass., a corporation of Massachusetts.

Dennison's

FOR SEALING-WAX.

Claims use since Jan. 1, 1889.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 20,193. Registered Oct. 6, 1891. REED & CARNRICK, New York, N. Y., a corporation of New Jersey. Republished by registrant, present address Jersey City, N. J.

ZYMOCIDE.

FOR AN ANTISEPTIC AND DETERGENT MEDICAL COMPOUND, ESPECIALLY VALUABLE IN THE TREATMENT OF DISEASES OF THE MUCOUS MEMBRANES. IT IS A NON-TOXIC ANTISEPTIC IN LIQUID FORM AND CAN BE BENEFICIALLY USED AS AN APPLICATION FOR ECZEMA, BURNS, RHUS POISONING, &c. FOR INTERNAL USE IT IS AN EFFICIENT ANTI-FERMENT IN CHOLERA INFANTUM OR SUMMER COMPLAINT OF CHILDREN, DYSPEPSIA, AND TYPHOID FEVER.

Claims use since June 20, 1890.

Reg. No. 36,131. Registered Mar. 26, 1901. WILLIAM D. DUNCAN, Ottawa, Ill. Republished by Jennie Duncan Peltier, Ottawa, Ill.

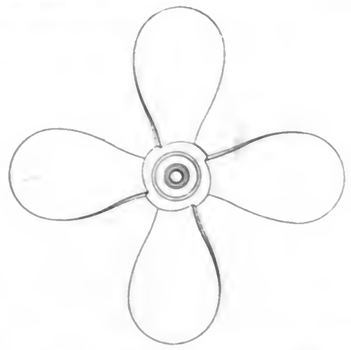
DUNCAN'S

32 CALIBRES

FOR INTERNAL REMEDIES FOR HEADACHE, NEURALGIA, DYSPEPSIA, LA GRIPPE, AND PAINS.

Claims use since Feb. 1, 1890.

Reg. No. 50,995. Registered Apr. 3, 1906. THE BIRD-ARCHER COMPANY, New York, N. Y. Republished by The Bird-Archer Company, New York, N. Y., a corporation of New York.



FOR CHEMICAL COMPOUNDS FOR THE REMOVAL OF GREASE, OIL, AND SCALE FROM BOILERS, AND THE PREVENTION OF THE FORMATION OF NEW SCALE, ETC., IN BOILERS.
Claims use since Apr. 30, 1903.

Reg. No. 150,348. Registered Jan. 3, 1922. ENOZ CHEMICAL COMPANY, Chicago, Ill. Republished by The Diversey Corporation, Chicago, Ill., a corporation of Illinois.

RAT FINIS

FOR RODENT POISON.
Claims use since November 1920.

Reg. No. 150,349. Registered Jan. 3, 1922. ENOZ CHEMICAL COMPANY, Chicago, Ill. Republished by The Diversey Corporation, Chicago, Ill., a corporation of Illinois.

Feno

FOR INSECTICIDE.
Claims use since March 1920.

Reg. No. 150,350. Registered Jan. 3, 1922. ENOZ CHEMICAL COMPANY, Chicago, Ill. Republished by The Diversey Corporation, Chicago, Ill., a corporation of Illinois.

Vico

FOR INSECTICIDE.
Claims use since May 1911.

Reg. No. 189,968. Registered Sept. 30, 1924. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, a corporation of New York, now by merger Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

FLUF

FOR SODA ASH (SODIUM CARBONATE).
Claims use since Feb. 21, 1924.

Reg. No. 270,526. Registered May 6, 1930. ALBERT LEMUEL WHITING, Urbana, Ill. Republished by registrant.

Hi-lo-fosfate

The word "Fosfate" is disclaimed apart from the mark as shown.
FOR CHEMICAL SOLUTION USED FOR DETERMINING THE AVAILABLE PHOSPHATES IN SOILS.
Claims use since Sept. 6, 1929.

Reg. No. 287,475. Registered Sept. 29, 1931. SCHNEFEL BROS., INC., Newark, N. J. Republished by Schnefel Bros. Corporation, Newark, N. J., a corporation of New Jersey.

La Cross

FOR CUTICLE REMOVER IN FORM OF LIQUID APPLICABLE TO THE NAILS TENDING TO REMOVE THE CUTICLE; FINGER NAIL ENAMEL, FINGER NAIL POLISH, NAIL BLEACH, NAIL WHITE, AND NAIL CREAMS FOR STRENGTHENING THE NAILS.
Claims use since 1922.

Reg. No. 304,350. Registered July 4, 1933. STEARNS' ELECTRIC PASTE COMPANY, INC., Chicago, Ill. Republished by Stearns' Electric Paste Co., Chicago, Ill., a copartnership.



The drawing is lined for the colors black and yellow. The label and all of the wording on the drawing except

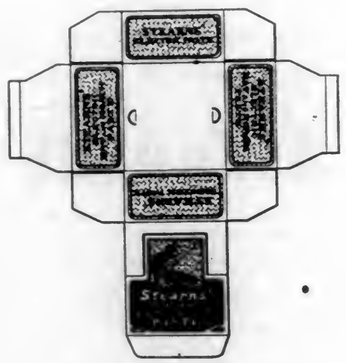
"Stearns' Electric Rat and Roach Paste, Sure Death, Stearns' Electric Paste Co." and the signature "J. J. Kearney" are disclaimed apart from the mark as shown.
FOR POISON IN PASTE FORM FOR RATS, MICE, SQUIRRELS, GOPHERS, PRAIRIE DOGS, COYOTES, WOLVES, FOXES, LAND CRABS, COCKROACHES, WATER BUGS, AND CROTON BUGS.
Claims use since Dec. 22, 1932.

Reg. No. 304,982. Registered July 25, 1933. THE UBIKO MILLING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant, present address St. Bernard, Ohio.

Life Guard

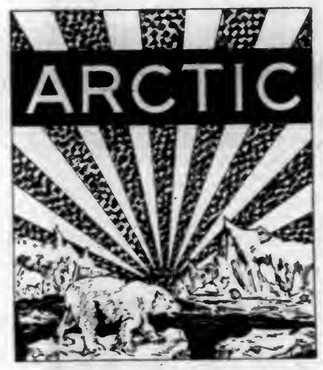
FOR MINERAL INGREDIENT FOR MIXING WITH DAIRY FEEDS, POULTRY FEEDS AND LIVE STOCK FEEDS TO SUPPLY DIGESTIBLE MINERALS IN THE FEEDS.
Claims use since Jan. 1, 1933.

Reg. No. 305,025. Registered July 25, 1933. STEARNS' ELECTRIC PASTE COMPANY, INC., Chicago, Ill. Republished by Stearns' Electric Paste Co., Chicago, Ill., a copartnership.



The drawing is lined for the colors yellow, black, and orange. The representation of a carton is disclaimed.
FOR POISON IN PASTE FORM FOR VERMIN AND INSECTS.
Claims use since June 1928.

Reg. No. 308,037. Registered Nov. 21, 1933. WORCESTER SALT COMPANY, New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.



The drawing is lined for the color orange.
FOR ICE CREAM SALT.
Claims use since Oct. 17, 1931.

Reg. No. 312,711. Registered May 8, 1934. BETTER DRUG PRODUCTS, INC., Tulsa, Okla., a corporation of Oklahoma. Republished by registrant.

San-O-Safe

The word "Safe" is disclaimed apart from the mark as shown.
FOR DOUCHE POWDER.
Claims use since April 1933.

Reg. No. 314,697. Registered July 3, 1934. WESTERN PHARMACAL COMPANY, Salt Lake City. Utah. Republished by Karl Maeser Pack, Salt Lake City, Utah, assignor to Western Pharmacal Company, a partnership.

FEDROLIN

FOR INHALANT USEFUL TO SHRINK CONGESTED MEMBRANES AND PROMOTE DRAINAGE OF THE NOSE AND SINUSES.
Claims use since Oct. 2, 1931.

Reg. No. 316,033. Registered Aug. 14, 1934. THE RALPH L. DOMBROWER COMPANY, INC., Richmond, Va. Republished by Sorbtex Foundation, Inc., Richmond, Va., a corporation of Virginia.

Sorbtex

FOR CHEMICAL PREPARATION TO INCREASE THE ABSORBENCY OF TEXTILES, FABRICS, PAPER, AND OTHER CELLULOSE PRODUCTS.
Claims use since Nov. 1, 1933.

Reg. No. 327,129. Registered Aug. 20, 1935. SIROIL LABORATORIES, INC., Detroit, Mich., a corporation of Delaware. Republished by registrant.

EXOIL

FOR PREPARATION FOR THE TREATMENT OF PSORIASIS AND SIMILAR SKIN AFFECTIONS.
Claims use since December 1934.

Reg. No. 335,033. Registered May 19, 1936. BETTER DRUG PRODUCTS, INC., Tulsa, Okla., a corporation of Oklahoma. Republished by registrant.

ORCHID-EL

FOR FACE AND HAND LOTION.
Claims use since May 15, 1934.

Reg. No. 337,780. Registered Aug. 18, 1936. BETTER DRUG PRODUCTS, INC., Tulsa, Okla., a corporation of Oklahoma. Republished by registrant.

IRPD

FOR DEODORANT.
Claims use since October 1935.

Reg. No. 343,961. Registered Mar. 9, 1937. ENOZ CHEMICAL COMPANY, Chicago, Ill. Republished by The Diversey Corporation, Chicago, Ill., a corporation of Illinois.

DRAIN-ZIT

FOR DRAIN PIPE FLUSH.
Claims use since Sept. 16, 1936.

Reg. No. 347,556. Registered June 29, 1937. AMERICAN TYPE FOUNDERS SALES CORPORATION, Elizabeth, N. J., a corporation of New Jersey. Republished by registrant.

ATF NON-OFFSET MIX

The words "Non-Offset Mix" are disclaimed apart from the mark as shown.
FOR COMPOUNDS TO BE SPRAYED ON SHEETS AFTER THEY HAVE BEEN PRINTED TO PREVENT OFFSETTING.
Claims use since April 1936.

Reg. No. 353,103. Registered Dec. 28, 1937. JOHN H. BRECK, INC., Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

BRECK'S BABY-LAVO

FOR SHAMPOO PREPARATIONS.
Claims use since Feb. 17, 1936.

Reg. No. 365,326. Registered Mar. 7, 1939. HOME DRUG COMPANY, Chicago, Ill. Republished by Valentine Laboratories, Inc., Chicago, Ill., a corporation of Illinois.

ALKADENE

FOR MEDICINE, AS A STOMACHIC PREPARATION.
Claims use since Apr. 1, 1938.

Reg. No. 384,140. Registered Jan. 7, 1941. WALGREEN CO., Chicago, Ill. Republished by Carrel, Ltd., Chicago, Ill., a corporation of Illinois.

AMORAY

FOR COSMETIC PREPARATIONS—NAMELY, BATH CRYSTALS, DUSTING POWDER, TALCUM POWDER, COLOGNE.
Claims use since June 1940.

Reg. No. 385,237. Registered Feb. 18, 1941. TINIT MANUFACTURING CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

TINIT

FOR SOLDERING FLUX.
Claims use since Apr. 1, 1930.

Reg. No. 399,407. Registered Jan. 5, 1943. H. R. NAPP LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

ABECEDIN

FOR MEDICINAL TONIC PREPARATIONS CONTAINING VITAMINS.
Claims use since Feb. 15, 1939.

Reg. No. 399,939. Registered Feb. 9, 1943. VALENTINE LABORATORIES, INC., Chicago, Ill. Republished by Olafsen Vitamins, Inc., Chicago, Ill., a corporation of Illinois.

AY-TOL

FOR VITAMIN PREPARATION FOR INTERNAL USE FOR THE TREATMENT OF VITAMIN DEFICIENCY.
Claims use since June 18, 1941.

Reg. No. 411,392. Registered Jan. 16, 1945. OLAFSEN VITAMINS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

AYTINAL

FOR VITAMIN PREPARATION FOR INTERNAL USE FOR TREATMENT OF VITAMIN DEFICIENCY.
Claims use since June 4, 1944.

Reg. No. 421,354. Registered May 28, 1946. SAVERITE ENGINEERING COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

SAVERITE

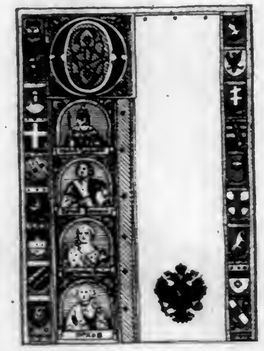
FOR CHEMICAL PREPARATION FOR THE PREVENTION OF RUST, AND USED AS A COATING IN BOILERS AND TANKS.
Claims use since April 1939.

Reg. No. 430,100. Registered June 10, 1947. ENOZ CHEMICAL COMPANY, Chicago, Ill. Republished by The Diversey Corporation, Chicago, Ill., a corporation of Illinois.

ANT FINIS

The word "Ant" is disclaimed apart from the mark as shown.
FOR INSECTICIDES.
Claims use since June 19, 1934.

Reg. No. 433,170. Registered Sept. 30, 1947. MAURICE HANDMAN, doing business as Maurella Products Co., New York, N. Y., assignor to Maurella Products Company, Inc. Republished by Maurice Handman, doing business as Maurella Products Company, New York, N. Y.



The lining denotes the colors, blue, green, and red.
FOR ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, REFRESHING CREAMS, OBESITY ASTRINGENTS, DRY ROUGES, FACE BLEACHES, LIQUID ROUGES, FACE PACKS, SKIN WHITENER IN LIQUID AND SOLID FORMS, EYEBROW AND EYELASH GROWER, EYE DROPS, EYEBROW PENCILS, HAND LOTIONS, SKIN LOTIONS, AFTER-SHAVING LOTIONS, POMADES, FACE POWDERS, TALCUM POWDERS, BODY POWDER, CHEMICAL PREPARATIONS SUITABLE FOR THE DARKENING OF EYELASHES AND EYEBROWS, PACKAGES CONTAINING SACHET POWDER, HAIR SALVES, HAIR ELIXIRS, DANDRUFF PREPARATIONS, HAIR TONICS, HAIR OILS, SHAMPOOS, HAIR DYES, BATH SALTS, SMELLING SALTS, LIPSTICKS, INCENSE, TOOTH PASTES, MOUTH WASHES, DENTIFRICES, DEPILATORIES, TOOTH POWDER, NAIL POWDER, NAIL CREAMS, NAIL POLISHES, NAIL BLEACHES, WITCH HAZEL, PEROXIDE, PETROLEUM JELLIES, WITCH HAZEL SALVES, CAMPHOR CREAMS, FOOT POWDERS, CORN SALVES, DEODORANTS, BAY RUM, PERFUMES, TOILET WATERS, EAU DE COLOGNES, AND FACE LOTIONS.
Claims use since May 1, 1924.

Reg. No. 433,593. Registered Oct. 21, 1947. WEST DISINFECTING COMPANY, Long Island City, N. Y., a corporation of New York. Republished by registrant.

SANITOR

FOR DISINFECTANTS.
Claims use since 1912.

CLASS 7

CORDAGE

Reg. No. 301,640. Registered Mar. 7, 1933. FREYDBERG BROTHERS, INCORPORATED, New York, N. Y. Republished by Freydberg Bros.-Strauss, Inc., New York, N. Y., a corporation of New York.

EXCELLO

FOR RIBBON COMPOSED OF CELLULOSE COMPOSITION MATERIAL FOR TYING PACKAGES AND OTHER USES.
Claims use since Oct. 20, 1932.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 41,599. Registered Dec. 8, 1903. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Republished by The Ohio Match Company, Wadsworth, Ohio, a corporation of Delaware.

HOUSEHOLD

FOR FRICTION MATCHES.
Claims use since Jan. 8, 1900.

Reg. No. 209,806. Registered Mar. 2, 1926. FRANK H. FROMM, Philadelphia, Pa. Republished by registrant, present address New York, N. Y.

BLUE FEATHER

FOR MATCHES.
Claims use since Oct. 1, 1925.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 313,863. Registered June 12, 1934. AMERICAN TYPE FOUNDERS COMPANY, Jersey City, N. J. Republished by American Type Founders, Incorporated, Jersey City, N. J., a corporation of New Jersey.

AMTYCO

FOR PRINTING INKS.
Claims use since May 1, 1929.

Reg. No. 327,104. Registered Aug. 13, 1935. AMERICAN TYPE FOUNDERS SALES CORPORATION, Jersey City, N. J., a corporation of New Jersey. Republished by registrant.



The words "Sold by Branches Everywhere" are disclaimed apart from the mark as shown.
FOR PRINTING INKS.
Claims use since Jan. 2, 1934.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 57,415. Registered Nov. 13, 1906. THE PROTECTED METAL COMPANY, Canton, Mass. Republished by H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania.

DUCKBACK

FOR METAL SHEETS COVERED WITH ASBESTOS AND USED FOR ROOFING, SIDING AND CEILINGS.
Claims use since May 1, 1906.

Reg. No. 57,472. Registered Nov. 13, 1906. THE PROTECTED METAL COMPANY, Canton, Mass. Republished by H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania.

APM

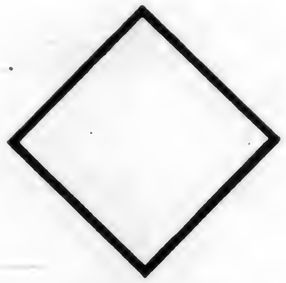
FOR METAL SHEETS COVERED WITH ASBESTOS AND USED FOR ROOFING, SIDING AND CEILINGS.
Claims use since May 1, 1906.

Reg. No. 57,535. Registered Nov. 13, 1906. J. B. KING & CO., New York, N. Y. Republished by The United States Gypsum Company, Chicago, Ill., a corporation of Illinois.

DIAMOND

FOR PLASTER OF PARIS.
Claims use since November 1876.

Reg. No. 80,662. Registered Jan. 17, 1911. J. B. KING & Co., New York, N. Y. Republished by United States Gypsum Company, Chicago, Ill., a corporation of Illinois.



FOR PLASTER OF PARIS AND CALCINED PLASTER.
Claims use since on or about November 1876.

Reg. No. 97,258. Registered May 26, 1914. MARBLEHEAD LIME COMPANY, Chicago, Ill. Republished by Marblehead Lime Company, Chicago, Ill., a corporation of Delaware.



FOR LIME.
Claims use since Aug. 25, 1911.

Reg. No. 113,381. Registered Oct. 17, 1916. HAWKEYE PORTLAND CEMENT COMPANY, Des Moines, Iowa. Republished by Marquette Cement Manufacturing Company, Chicago, Ill., a corporation of Illinois.



FOR PORTLAND CEMENT.
Claims use since 1907.

Reg. No. 114,837. Registered Jan. 2, 1917. SOUTHERN CEMENT COMPANY, Birmingham, Ala., a corporation of Alabama. Republished by registrant.

MAGNOLIA

FOR HYDRAULIC CEMENT.
Claims use since Mar. 20, 1901.

Reg. No. 153,293. Registered Mar. 14, 1922. H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR PROTECTED METAL SHEETS FOR BUILDING CONSTRUCTIONS, FLASHINGS, GUTTERS, SKYLIGHTS, SHINGLES, PREFORMED GYPSUM SLABS FOR ROOFS AND FLOORS, ROLLED ROOFING, PAVING JOINTS, PLASTIC CEMENTS, AND ASPHALTS.
Claims use since July 17, 1919.

Reg. No. 196,139. Registered Mar. 10, 1925. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ORIENTAL



FOR STUCCO AND WALL PLASTER.
Claims use since January 1912.

Reg. No. 221,319. Registered Nov. 30, 1926. MCHENRY-MILLHOUSE MFG. CO., South Bend, Ind. Republished by United States Gypsum Company, Chicago, Ill., a corporation of Illinois.

SUPER-TITE

FOR ASPHALT ROOFING SHINGLES.
Claims use since on or about Mar. 1, 1924.

Reg. No. 238,812. Registered Feb. 14, 1928. H. H. ROBERTSON COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

Sheet-Lite

FOR SKYLIGHTS AND WINDOWS IN ROOF AND SIDING MATERIAL.
Claims use since Aug. 16, 1927.

Reg. No. 267,938. Registered Mar. 4, 1930. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SILICO

FOR PLASTER.
Claims use since 1897.

Reg. No. 277,606. Registered Nov. 18, 1930. MARBLEHEAD LIME COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

CROWN



FOR WHITE LIME AND HYDRATED LIME.
Claims use since on or about Jan. 1, 1895.

Reg. No. 312,626. Registered May 1, 1934. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.

VALENITE

FOR VARNISH ENAMELS, CLEAR VARNISHES, PAINT PRIMERS, PAINT SURFACERS, PAINT PRIMER-SURFACERS, PAINT PRIMER-GROUNDS, AND PUTTIES.
Claims use since Sept. 19, 1918.

Reg. No. 344,256. Registered Mar. 16, 1937. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PROTOKOTE

FOR ASPHALT ROOF CEMENT AND ASPHALT ROOF COATINGS.
Claims use since August 1935.

Reg. No. 347,781. Registered July 6, 1937. H. H. ROBERTSON COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

Galbestos

FOR PROTECTED METAL ARTICLES USED FOR BUILDING PURPOSES AND PARTICULARLY FOR ROOFING SHEETS, SIDING SHEETS, RIDGE CAPS, ALL FORMS OF BUILDING TRIM, DOORS, ROLLED STRUCTURAL METAL SECTIONS, AND LAMINATED METAL SHEETS.
Claims use since Sept. 6, 1935.

Reg. No. 365,535. Registered Mar. 14, 1939. H. H. ROBERTSON COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

Hubbellite

FOR BUILDING CEMENT.
Claims use since on or about Oct. 13, 1936.

Reg. No. 395,248. Registered May 19, 1942. H. H. ROBERTSON COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

Q

FOR CELLULAR STEEL BEAM UNITS FOR BUILDING PURPOSES.
Claims use since on or about March 1941.

Reg. No. 405,119. Registered Jan. 11, 1944. H. H. ROBERTSON COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

HUBBELLITE



FOR BUILDING CEMENT.
Claims use since on or about Feb. 23, 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 154,861. Registered May 16, 1922. AMERICAN CHAIN COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Republished by American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York.



FOR BASE-METAL CHAIN, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION, EXCEPT, TIRE-REPAIR CHAINS, BUMPER BARS, DEVICES FOR ATTACHING BUMPER BARS TO MOTOR CARS, CHAINS ADAPTED TO BE APPLIED TO HORSES' HOOFS.
Claims use since on or about Jan. 15, 1921.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 214,661. Registered June 29, 1926. U. T. HUNGERFORD BRASS & COPPER CO., New York, N. Y. Republished by Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut.

TRIM

FOR BRONZE SHEETS.
Claims use since Feb. 5, 1923.

Reg. No. 325,337. Registered June 18, 1935. AMERICAN TYPE FOUNDERS SALES CORPORATION, Jersey City, N. J., a corporation of New Jersey. Republished by registrant.



The words "Sold by Branches Everywhere" are disclaimed apart from the mark as shown.
FOR TYPE.
Claims use since Jan. 2, 1934.

Reg. No. 348,085. Registered July 13, 1937. MIDWEST METAL STAMPING COMPANY, Kellogg, Iowa, a corporation of Iowa. Republished by registrant.

MIDWEST

FOR MISCELLANEOUS METAL STAMPINGS.
Claims use since about 1926.

Reg. No. 375,091. Registered Feb. 6, 1940. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J., a corporation of New Jersey. Republished by registrant.

LYDIAN

FOR PRINTER'S TYPE.
Claims use since June 15, 1938.

Reg. No. 377,840. Registered May 14, 1940. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J., a corporation of New Jersey. Republished by registrant.

GRAYDA

FOR PRINTER'S TYPE.
Claims use since Dec. 15, 1939.

Reg. No. 398,294. Registered Oct. 20, 1942. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J., a corporation of New Jersey. Republished by registrant.

ALPHA-BLOX

The word "Blox" is disclaimed apart from the mark as shown.
FOR PRINTER'S TYPE.
Claims use since Nov. 28, 1941.

Reg. No. 408,772. Registered Aug. 29, 1944. BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y. Republished by Blau-Knox Company, Buffalo, N. Y., a corporation of New Jersey.

BUFLOKAST

FOR CASTINGS—NAMELY, GRAY IRON AND ALLOYED IRON CASTINGS.
Claims use since about Mar. 1, 1913.

Reg. No. 412,810. Registered Mar. 27, 1945. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

TOOLFACE

FOR WELDING RODS AND METAL ALLOYS HAVING A FERROUS BASE.
Claims use since May 1944.

Reg. No. 413,237. Registered Apr. 17, 1945. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

FARMFACE

FOR METALLIC WELDING MATERIALS IN THE FORM OF BARE RODS OR COATED ELECTRODES.
Claims use since June 13, 1943.

Reg. No. 414,309. Registered June 5, 1945. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

MO-MANG

FOR BARE AND COATED METALLIC WELDING RODS.
Claims use since June 12, 1940.

Reg. No. 417,629. Registered Nov. 6, 1945. SUMET CORPORATION, Buffalo, N. Y., a corporation of New York. Republished by registrant.

SUMET

FOR BEARING METALS, CORED AND SOLID BARS, GEAR BLANKS, CASTINGS AND DRAWN RODS, ALL MADE OF BRONZE.
Claims use since about Oct. 19, 1923.

Reg. No. 418,356. Registered Dec. 18, 1945. SUMET CORPORATION, Buffalo, N. Y. a corporation of New York. Republished by registrant.



The word "Products" is disclaimed apart from the mark as shown.
FOR BEARING METALS, CORED AND SOLID BARS, GEAR BLANKS, CASTINGS AND DRAWN RODS; ALL MADE OF BRONZE.
Claims use since about Oct. 19, 1923.

CLASS 15

OILS AND GREASES

Reg. No. 72,380. Registered Jan. 19, 1909. NEW YORK LUBRICATING OIL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MONOGRAM

FOR LUBRICATING GREASES AND LUBRICATING OILS FOR MACHINERY, ENGINES, MOTORS, AND DYNAMOS.
Claims use since June 22, 1901.

Reg. No. 371,187. Registered Sept. 19, 1939. OIL WORKERS INTERNATIONAL UNION, Fort Worth, Tex., a voluntary union. Republished by registrant.



FOR GASOLINE, MOTOR OILS, LUBRICATING GREASES, KEROSENE, FUEL OIL, WAXES, PARAFFIN.
Claims use since July 1922.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 77,737. Registered May 3, 1910. H. B. FRED. KUHLS, Brooklyn, N. Y. Republished by Hilma J. Kuhls, executrix of the estate of H. B. Fred. Kuhls, Brooklyn, N. Y.

ELASTIC SEAM-COMPOSITION

FOR PLASTIC COMPOSITION FOR FILLING SEAMS IN WOODWORK.
Claims use since about January 1890.

Reg. No. 97,293. Registered May 26, 1914. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.

VALSPAR

FOR ENAMELS, READY-MIXED PAINTS, VARNISHES AND VARNISH REMOVERS.
Claims use since May 7, 1907.

Reg. No. 104,251 Registered May 11, 1915. DETROIT GRAPHITE CO., Detroit, Mich. Republished by Detroit Graphite Company, Detroit, Mich., and New York, N. Y., a corporation of Delaware.

IRON-GARD

FOR MIXED PAINTS.
Claims use since on or about Dec. 15, 1914.

Reg. No. 126,224. Registered July 29, 1919. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.

VALENITE

FOR VARNISH STAINS, COLOR VARNISHES, CLEAR VARNISHES, READY-MIXED PAINTS, VARNISH ENAMELS.
Claims use since Sept. 19, 1918.

Reg. No. 146,395. Registered Sept. 6, 1921. WADSWORTH-HOWLAND COMPANY, Chicago, Ill. Republished by Jewel Paint & Varnish Co., Chicago, Ill., a corporation of Illinois.

STANDBY

FOR BARN PAINT.
Claims use since July 1, 1908.

Reg. No. 148,556. Registered Nov. 15, 1921. WADSWORTH-HOWLAND COMPANY, Chicago, Ill. Republished by Jewel Paint & Varnish Co., Chicago, Ill., a corporation of Illinois.



FOR PAINT ENAMEL FOR DECORATIVE PURPOSES.
Claims use since Nov. 15, 1897.

Reg. No. 247,879. Registered Oct. 9, 1928. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

DUBL-DRI

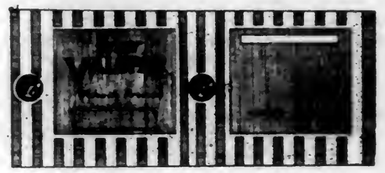
FOR PAINT ENAMELS AND VARNISHES.
Claims use since Jan. 25, 1928.

Reg. No. 272,768. Registered July 15, 1930. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.



FOR READY-MIXED PAINTS, VARNISH STAINS, AND VARNISH ENAMELS.
Claims use since Feb. 1, 1930.

Reg. No. 296,887. Registered Aug. 23, 1932. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.



The word "Process" is disclaimed apart from the mark as shown. The drawing is lined to indicate the colors blue, gold, red, and black, which are claimed as features of the mark.
FOR PAINT ENAMELS, STAINS, AND VARNISHES.
Claims use since Mar. 23, 1932.

Reg. No. 304,158. Registered June 20, 1933. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.

Super
VALSPAR

FOR PAINT ENAMELS, STAINS, AND VARNISHES.
Claims use since Mar. 23, 1932.

Reg. No. 312,626. Registered May 1, 1934. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.

VALENITE

FOR VARNISH ENAMELS, CLEAR VARNISHES, PAINT PRIMERS, PAINT SURFACERS, PAINT PRIMER-SURFACERS, PAINT PRIMER-GROUNDS, AND PUTTIES.
Claims use since Sept. 19, 1918.

Reg. No. 368,842. Registered July 4, 1939. CON-FERRO PAINT & VARNISH COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant, present addresses St. Louis, Mo., and New York, N. Y.



The word "Evn-Cote" is disclaimed apart from the mark as shown.
FOR VARNISH STAINS AND PAINT ENAMELS.
Claims use since Sept. 19, 1938.

Reg. No. 422,778. Registered Aug. 13, 1946. SAVERITE ENGINEERING COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

SERVIRON

FOR PLASTIC PAINT FOR COATING THE INTERIOR OF BOILERS AND TANKS.
Claims use since April 1939.

Reg. No. 425,236. Registered Nov. 12, 1946. H. H. ROBERTSON COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR PAINTS AND PARTICULARLY ANTI-FOULING PAINTS AND PIGMENTS FOR ANTI-FOULING PAINTS, AND ASPHALTIC AND BITUMINOUS PAINTS AND ASPHALTIC AND BITUMINOUS MATERIALS SOLD TO THE TRADE FOR USE IN THE PREPARATION OF PAINT.
Claims use since on or about July 17, 1919.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 59,354. Registered Jan. 8, 1907. JOSE LOVERA CO., New York, N. Y. Republished by Consolidated Cigar Corporation, New York, N. Y., a corporation of Delaware.



FOR CIGARS.
Claims use since Apr. 23, 1883.

Reg. No. 221,737. Registered Dec. 7, 1926. MAX SIMPSON, doing business as The Health Cigar Company, New York, N. Y. Republished by Fleming-Hall Tobacco Co., Inc., New York, N. Y., a corporation of Delaware.

SANO

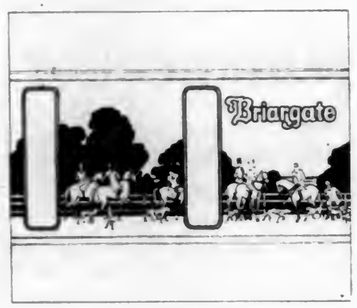
FOR CIGARS.
Claims use since January 1925.

Reg. No. 231,708. Registered Aug. 23, 1927. MAX SIMPSON, doing business as The Health Cigar Company, New York, N. Y. Republished by Fleming-Hall Tobacco Co., Inc., New York, N. Y., a corporation of Delaware.

SANO

FOR CIGARETTES, CHEROOTS, LITTLE CIGARS, SMOKING AND CHEWING TOBACCO.
Claims use since August 1926.

Reg. No. 257,944. Registered June 25, 1929. WALGREEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR TOBACCO PRODUCTS—NAMELY, PIPE TOBACCO, CHEWING TOBACCO, CIGARS, CIGARETTES, AND SNUFF.
Claims use since July 27, 1928.

Reg. No. 317,582. Registered Oct. 2, 1934. GARCIA GRANDE CIGARS, INCORPORATED, New York, N. Y. Republished by Walgreen Co., Chicago, Ill., a corporation of Illinois.



FOR CIGARS.
Claims use since Sept. 22, 1899.

Reg. No. 432,236. Registered Aug. 26, 1947. FLEMING-HALL TOBACCO CO., INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

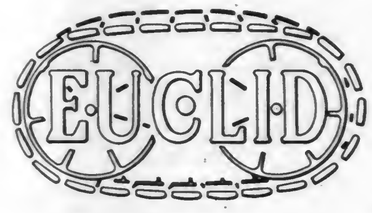
BANQUETS

FOR CIGARETTES.
Claims use since 1931.

CLASS 19

VEHICLES

Reg. No. 282,468. Registered Apr. 21, 1931. THE EUCLID CRANE & HOIST COMPANY, Euclid, Ohio. Republished by The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio.



The representation of the goods is disclaimed apart from the mark as shown.
FOR MOBILE EARTH-MOVING MACHINERY—NAMELY, TRAILER WAGONS.
Claims use since Mar. 21, 1929.

Reg. No. 343,695. Registered Mar. 2, 1937. GLOBE SPECIALTY COMPANY, Chicago, Ill. Republished by Johnson Glass Company, Chicago, Ill., a corporation of Illinois.



The drawing is lined for the color red. The compound-word "Glo-Brite" is disclaimed apart from the mark as shown.
FOR AUTOMOBILE SAFETY REFLECTING AND SIGNAL LENSES AND BUTTONS.
Claims use since August 1934.

Reg. No. 373,795. Registered Dec. 26, 1939. THE EUCLID ROAD MACHINERY COMPANY, Euclid, Ohio, a corporation of Ohio. Republished by registrant.



FOR MOTOR-DRIVEN AND TRAILER MATERIALS-HANDLING EQUIPMENT—NAMELY, TRUCKS, DUMP-TRACTOR TRUCKS, AND DUMP WAGONS.
Claims use since on or about Apr. 9, 1936.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 119,537. Registered Nov. 27, 1917. HURLEY MACHINE COMPANY, Chicago, Ill. Republished by Thor Corporation, Chicago, Ill., a corporation of Illinois.

Thor

FOR ELECTRIC DISHWASHING MACHINES.
Claims use since about June 15, 1908.

Reg. No. 322,525. Registered Mar. 12, 1935. BULLDOG ELECTRIC PRODUCTS Co., Detroit, Mich., a corporation of West Virginia. Republished by registrant.

BUSTRIBUTION

FOR ELECTRICAL CONDUITS AND CONDUITS SYSTEMS, AND EQUIPMENT THEREFOR, CONSISTING IN ELBOWS, T AND CROSS CONNECTIONS, ADAPTERS, BRANCH TAKE-OFF PLUGS, AND SIMILAR PARTS.
Claims use since May 1934.

Reg. No. 328,981. Registered Oct. 15, 1935. BULLDOG ELECTRIC PRODUCTS COMPANY, Detroit, Mich., a corporation of West Virginia. Republished by registrant.

BULL DOG

FOR SPLICERS, CONNECTORS, COUPLINGS, AND CLAMPS, FOR ELECTRICAL CONDUCTORS, ETC.
Claims use since 1902.

Reg. No. 336,817. Registered July 21, 1936. BULLDOG ELECTRIC PRODUCTS Co., Detroit, Mich., a corporation of West Virginia. Republished by registrant.

VACU-BREAK

The word "Break" is disclaimed apart from the mark as shown.
FOR ELECTRICAL SWITCHES AND ELECTRICAL CONTACT SETS.
Claims use since on or about Dec. 1, 1935.

Reg. No. 359,758. Registered Aug. 30, 1938. ALBERT SETZER, doing business as Mule Battery Mfg. Co., Providence, R. I. Republished by registrant.

BURRO

FOR ELECTRIC STORAGE BATTERIES.
Claims use since Mar. 5, 1937.

Reg. No. 414,188. Registered May 29, 1945. MAX H. KRANZBERG, doing business as Chancellor Radio Company, New York, N. Y. Republished by registrant.

Chancellor

FOR RADIO TRANSFORMERS AND RADIO CONDENSERS.
Claims use since Nov. 17, 1944.

Reg. No. 417,723. Registered Nov. 13, 1945. SURE-RITE PRODUCTS COMPANY, Philadelphia, Pa., a co-partnership. Republished by registrant.

SURE-RITE

FOR ELECTRIC INSULATING COMPOUND FOR WATERPROOFING IGNITION SYSTEMS.
Claims use since June 1936.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 276,239. Registered Oct. 14, 1930. THE WELSH-HARTMAN COMPANY, St. Louis, Mo. Republished by Welsh Co., St. Louis, Mo., a corporation of Missouri.

Hush-a-by FOR Wee-Tots

The words "For Wee-Tots" are disclaimed apart from the mark as shown.
FOR BABY SWINGS, BABY SULKIES, DOLL SWINGS.
Claims use since July 1, 1929.

Reg. No. 291,378. Registered Feb. 9, 1932. JOHN F. MEYER, doing business as The Exhibit Supply Company, Chicago, Ill. Republished by Exhibit Supply Company, Chicago, Ill., a corporation of Illinois.

LOVE TESTER

FOR COIN-OPERATED AMUSEMENT MACHINES.
Claims use since on or about Dec. 2, 1930.

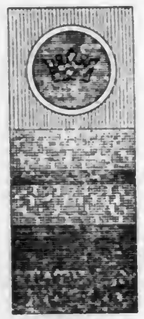
Reg. No. 302,302. Registered Apr. 11, 1933. WALGREEN Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

GOLDEN

CROWN

The drawing is lined for gold.
FOR GOLF BALLS.
Claims use since July 10, 1931.

Reg. No. 302,356. Registered Apr. 11, 1933. WALGREEN Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The drawing is lined for red, gold, and black.
FOR GOLF BALLS.
Claims use since July 10, 1931.

Reg. No. 316,662. Registered Aug. 28, 1934. JOHN F. MEYER, doing business as Exhibit Supply Company, Chicago, Ill. Republished by Exhibit Supply Company, Chicago, Ill., a corporation of Illinois.

LIGHTNING

FOR SLOT MACHINES—NAMELY, A COIN-CONTROLLED AMUSEMENT DEVICE.
Claims use since Mar. 28, 1934.

Reg. No. 344,402. Registered Mar. 23, 1937. WALGREEN Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CENTAUR
PLAYING CARDS

The words "Playing Cards" are disclaimed apart from the mark as shown.
FOR PLAYING CARDS.
Claims use since January 1932.

Reg. No. 344,519. Registered Mar. 30, 1937. WALGREEN Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

GOLDEN CROWN

FOR TENNIS RACQUETS AND TENNIS BALLS.
Claims use since Apr. 29, 1935.

Reg. No. 347,504. Registered June 29, 1937. WALGREEN Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

DIXONIA
Playing Cards

The words "Playing Cards" are disclaimed apart from the mark as shown.
FOR PLAYING CARDS.
Claims use since Oct. 10, 1936.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 107,501. Registered Dec. 7, 1915. THE NORMA COMPANY OF AMERICA, New York, N. Y. Republished by Norma-Hoffmann Bearings Corporation, New York, N. Y., a corporation of New York.

Norma

FOR BALL BEARINGS AND ROLLER BEARINGS AND THEIR PARTS.
Claims use since Mar. 17, 1904.

Reg. No. 185,959. Registered July 1, 1924. BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y. Republished by Blaw-Knox Company, Buffalo, N. Y., a corporation of New Jersey.

BUFFLOKAST

FOR ACID CONCENTRATORS, ACID AND PHENOL STILLS, ACID EGGS, AGITATORS, AUTOCLAVES, CAUSTIC POTS, HYDROCHLORIC-ACID PANS, REDUCERS, NITRATORS, SULPHONATORS, AND METAL ACID RETORTS.
Claims use since Mar. 1, 1913.

Reg. No. 192,253. Registered Dec. 2, 1924. BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y. Republished by Blaw-Knox Company, Buffalo, N. Y., a corporation of New Jersey.

BUFFLOVAK

FOR CALANDRIAS, CAUSTICIZERS, CONCENTRATORS, CONDENSERS, CRYSTALLIZERS, ROTARY HOT AIR, VACUUM DRUM, VACUUM SHELF, ATMOSPHERIC SINGLE DRUM, ATMOSPHERIC DOUBLE DRUM AND VACUUM ROTARY DRIERS, EVAPORATORS, FLAKERS, FRACTIONATING COLUMNS, IMPREGNATING APPARATUS, MALT-SIRUP PLANT EQUIPMENT, MILK-CONDENSING MACHINERY, MILK-POWDER MACHINERY, PUMPS, VACUUM AND EVAPORATING PANS, VACUUM AND STEAM JACKETED KETTLES, VULCANIZERS, SALT-PLANT EQUIPMENT, SOLVENT-RECOVERY APPARATUS, STILLS, BEET AND CANE SUGAR MANUFACTURING APPARATUS, AND WOOD DISTILLATION EQUIPMENT.
Claims use since Mar. 1, 1913.

Reg. No. 218,077. Registered Sept. 21, 1926. AKTIEBOLAGET SVENSK RAKKLINGA, Sandviken, Sweden, a corporation organized under the laws of the Kingdom of Sweden. Republished by registrant.

SWING

FOR SAFETY RAZORS AND SAFETY-RAZOR BLADES.
Claims use since the year 1923.

Reg. No. 236,676. Registered Dec. 20, 1927. FEARLESS DISHWASHER COMPANY, INC., Rochester, N. Y., a corporation of New York. Republished by registrant.

"THE FEARLESS"

FOR DISHWASHING MACHINES.
Claims use since July 1900.

Reg. No. 282,014. Registered Apr. 7, 1931. SCHNEFEL BROTHERS, INC., Newark, N. J. Republished by Schnefel, Bros. Corporation, Newark, N. J., a corporation of New Jersey.

La Cross

FOR TWEEZERS FOR ALL PURPOSES EXCEPT DENTAL, MANICURE, OR SURGICAL USE; HOUSE SCISSORS, POCKET SCISSORS, EMBROIDERY SCISSORS, BARBER SCISSORS, DESK SETS CONSISTING OF SCISSORS AND STEEL LETTER OPENERS MOUNTED IN LEATHER SHEATHS, LETTER OPENERS OF BASE STEEL, AND SCISSORS SETS.
Claims use since during the year 1922.

Reg. No. 283,610. Registered June 2, 1931. THE EUCLID CRANE & HOIST COMPANY, Euclid, Ohio. Republished by The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio.

EUCLID

The representation of the goods is disclaimed apart from the mark as shown.
FOR MOBILE MACHINERY—NAMELY, ROTARY AND WHEELED SCRAPERS, AND BULLDOZERS.
Claims use since Mar. 21, 1929.

Reg. No. 319,489. Registered Nov. 27, 1934. MORSE CHAIN COMPANY, Detroit, Mich., a corporation of New York. Republished by registrant, present addresses Ithaca, N. Y., and Detroit, Mich.

MORFLEX

FOR MACHINERY SHAFT COUPLINGS.
Claims use since Dec. 5, 1933.

Reg. No. 324,342. Registered May 14, 1935. AMERICAN TYPE FOUNDERS SALES CORPORATION, Jersey City, N. J., a corporation of New Jersey. Republished by registrant.

AMERICAN TYPE FOUNDERS SOLD BY BRANCHES EVERYWHERE SALES CORPORATION

The words "Sold by Branches Everywhere" and the representation of the goods which appear on the drawing herein are disclaimed apart from the mark as shown.
FOR PRINTING PRESSES.
Claims use since Jan. 2, 1934.

Reg. No. 352,387. Registered Nov. 30, 1937. AMERICAN TYPE FOUNDERS SALES CORPORATION, Elizabeth, N. J., a corporation of New Jersey. Republished by registrant.

ATF

FOR PRINTING PRESSES AND PRINTING INDUSTRY ACCESSORIES—TO WIT, NON-OFFSET GUN, COMPRESSOR, COMPOSING ROOM SAW, SAW BLADES, PAPER CUTTER BLADES.
Claims use since Oct. 1, 1935.

Reg. No. 360,044. Registered Sept. 6, 1938. ONSRUD MACHINE WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

TECHNI FORM

FOR ROUTING MACHINES, BENDING MACHINES, AND GLUING MACHINES FOR MAKING ROUND CORNER FURNITURE.
Claims use since Mar. 31, 1937.

Reg. No. 386,777. Registered Apr. 22, 1941. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J., a corporation of New Jersey. Republished by registrant.

chief

The drawing is lined for the colors blue, red, and black.
FOR PRINTING PRESSES.
Claims use since Aug. 5, 1940.

Reg. No. 387,648. Registered May 27, 1941. BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y. Republished by Blaw-Knox Company, Buffalo, N. Y., a corporation of New Jersey.

BUFLOWELD

FOR MACHINES FOR DRYING OR EVAPORATING LIQUIDS, INCLUDING ROTARY DRYERS AND EVAPORATORS.
Claims use since about Oct. 14, 1938.

Reg. No. 409,800. Registered Oct. 24, 1944. ECLIPSE AIR BRUSH CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

PNEUMIX

FOR PNEUMATIC DRIVEN STIRRERS OF A TYPE ADAPTED FOR USE IN LABORATORIES, MILLS, DAIRIES, AND INDUSTRIAL PLANTS GENERALLY, FOR MIXING OF VARIOUS AND SUNDRY PRODUCTS EMPLOYED OR PROCESSED IN SAID LABORATORIES, MILLS, DAIRIES, INDUSTRIAL PLANTS, ETC.
Claims use since Aug. 24, 1938.

Reg. No. 409,901. Registered Oct. 31, 1944. ECLIPSE AIR BRUSH CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

ECLIPSE_G_6

FOR SPRAY GUNS.
Claims use since Oct. 16, 1933.

Reg. No. 409,902. Registered Oct. 31, 1944. ECLIPSE AIR BRUSH CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

ECLIPSE GAT

FOR SPRAY GUNS.
Claims use since Sept. 6, 1938.

Reg. No. 428,109. Registered Mar. 11, 1947. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio, a corporation of Ohio. Republished by registrant.



No claim is made to the outline of the label apart from the mark as shown.

FOR BITS, AUGERS, AND SCREW DRIVERS.
Claims use since on or about May 28, 1907.

Reg. No. 432,957. Registered Sept. 23, 1947. WILLIAM OSIECKY, doing business as Norwalk Razor & Blade Co., Newark, N. J. Republished by registrant.

LUCKY BOY

FOR RAZOR BLADES.
Claims use since Aug. 15, 1935.

Reg. No. 433,627. Registered Oct. 21, 1947. J. E. INGRAM EQUIPMENT COMPANY, San Antonio, Tex., a corporation of Texas. Republished by registrant.

TAMPO

FOR ROAD BUILDING EQUIPMENT—NAMELY, ROAD ROLLERS, PNEUMATIC-TIRED EARTH PACKING ROLLERS USED IN MAKING ROAD BEDS, TOOTHED EARTH-TAMPING ROLLERS COMMONLY CALLED SHEEPFOOT ROLLERS, SELF-PROPELLED THREE-WHEELED SOIL-PACKING ROLLERS, AND SELF-PROPELLED SOIL-PACKING TANDEM ROLLERS.
Claims use since Oct. 15, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 109,950. Registered Apr. 25, 1916. THE PITTSBURGH GAGE & SUPPLY COMPANY, Pittsburgh, Pa. Republished by Thor Corporation, Chicago, Ill., a corporation of Illinois.

Gainaday

FOR LAUNDRY WASHING-MACHINES, WRINGERS, AND MANGLES.
Claims use since Sept. 26, 1915.

Reg. No. 119,454. Registered Nov. 20, 1917. HURLEY MACHINE COMPANY, Chicago, Ill. Republished by Thor Corporation, Chicago, Ill., a corporation of Illinois.

Thor

FOR CLOTHES WASHING MACHINES, IRONING MACHINES, AND CLOTHES WRINGING MACHINES.
Claims use since June 15, 1908.

Reg. No. 226,309. Registered Apr. 5, 1927. THE MEADOWS MANUFACTURING CO., Bloomington, Ill. Republished by Thor Corporation, Chicago, Ill., a corporation of Illinois.

Meadows

FOR WASHING MACHINES.
Claims use since about July 1, 1908.

Reg. No. 305,578. Registered Aug. 22, 1933. ONE MINUTE WASHER COMPANY, doing business as Newton Washer Co., Newton, Iowa. Republished by Midwest Metal Stamping Company, Kellogg, Iowa, a corporation of Iowa.

NEWTON MAID

FOR LAUNDRY WASHING MACHINES.
Claims use since December 1932.

Reg. No. 347,157. Registered June 15, 1937. ELECTRIC HOUSEHOLD UTILITIES CORPORATION, Chicago, Ill. Republished by Thor Corporation, Chicago, Ill., a corporation of Illinois.

Stow-a-way

FOR IRONING MACHINES.
Claims use since at least as early as Dec. 18, 1936.

Reg. No. 377,161. Registered Apr. 23, 1940. THE MEADOWS CORPORATION, Chicago, Ill. Republished by Thor Corporation, Chicago, Ill., a corporation of Illinois.

Meadows

FOR IRONING MACHINES.
Claims use since as early as Mar. 30, 1931.

Reg. No. 384,009. Registered Dec. 31, 1940. ELECTRIC HOUSEHOLD UTILITIES CORPORATION, Chicago, Ill. Republished by Thor Corporation, Chicago, Ill., a corporation of Illinois.

GLADIRON

FOR IRONING MACHINES.
Claims use since as early as July 12, 1940.

Reg. No. 427,067. Registered Jan. 28, 1947. ELECTRIC HOUSEHOLD UTILITIES CORPORATION, Chicago, Ill. Republished by Thor Corporation, Chicago, Ill., a corporation of Illinois.

AUTOMAGIC

FOR CLOTHES WASHING MACHINES AND IRONING MACHINES.
Claims use since Mar. 30, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 417,643. Registered Nov. 6, 1945. AMERICAN TYPE FOUNDERS SALES CORPORATION, Elizabeth, N. J., a company organized under the laws of the State of New Jersey. Republished by registrant.

ATF

FOR LITHOGRAPHIC CAMERAS, PORTABLE CAMERAS, AND PRECISION CAMERAS.
Claims use since Oct. 1, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 102,314. Registered Feb. 2, 1915. F. SPEIDEL COMPANY, Providence, R. I. Republished by General Chain Company, Inc., North Attleboro, Mass., a corporation of Massachusetts.

RECORD

FOR JEWELRY FOR PERSONAL WEAR.
Claims use since Sept. 29, 1913.

Reg. No. 106,318. Registered Oct. 19, 1915. W. FORSTNER CO., Providence, R. I. Republished by General Chain Company, Inc., North Attleboro, Mass., a corporation of Massachusetts.

AURORA

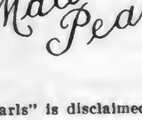
FOR METAL CHAINS FOR PERSONAL WEAR.
Claims use since May 26, 1915.

Reg. No. 112,721. Registered Sept. 19, 1916. F. SPEIDEL CO., Providence, R. I. Republished by General Chain Company, Inc., North Attleboro, Mass., a corporation of Massachusetts.

Sovereign

FOR METAL CHAINS FOR PERSONAL WEAR.
Claims use since Apr. 15, 1916.

Reg. No. 196,421. Registered Mar. 17, 1925. GENERAL CHAIN COMPANY, Providence, R. I. Republished by General Chain Company, Inc., North Attleboro, Mass., a corporation of Massachusetts.



FOR CHAINS FOR PERSONAL WEAR, WHICH ARE MADE OF OR PLATED WITH PRECIOUS METALS.
Claims use since July 1, 1919.

Reg. No. 222,444. Registered Jan. 4, 1927. GENERAL CHAIN COMPANY, Providence, R. I. Republished by General Chain Company, Inc., North Attleboro, Mass., a corporation of Massachusetts.

SP.

FOR CHAINS FOR PERSONAL WEAR, FOBS, PENDANTS, BRACELETS, BROOCHES, SCARF PINS, CUFF LINKS, LAPEL BUTTONS, EARRINGS ALL OF WHICH ARE MADE OF OR PLATED WITH PRECIOUS METALS.
Claims use since 1894.

Reg. No. 252,759. Registered Feb. 12, 1929. SYNDICATE TRADING COMPANY, New York, N. Y. Republished by Syndicate-Arkwright Trading Co., Inc., New York, N. Y., a corporation of New York.

Madora Pearls

The word "Pearls" is disclaimed apart from the mark as shown.

FOR PEARLS.
Claims use since May 3, 1928.

Reg. No. 368,782. Registered June 27, 1939. AMERICAN JEWELRY CHAIN COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

AJ C CO

FOR JEWELRY CHAINS, SUCH AS NECK CHAINS, WATCH CHAINS, KEY CHAINS, SPORT AND SAFETY CHAINS FOR WATCHES, ANKLETS, EYEGLASS CHAINS, AND SAUTOIRS.
Claims use since June 1932.

Reg. No. 411,411. Registered Jan. 16, 1945. RICHARD POLUMBAUM, doing business as Richard Polumbaum Company, New York, N. Y. Republished by registrant.



The words "Rooted in Quality" and "Growing Through Service" are disclaimed apart from the mark shown.
FOR PINS, EARRINGS, PENDANTS, RINGS, LOCKETS, CROSSES AND CLIPS, NOT INCLUDING WATCHES.
Claims use since November 1942.

Reg. No. 424,634. Registered Oct. 15, 1946. EDWARD PRILL & SONS, New York, N. Y., assignor to Prill Silver Company, Inc. Republished by Prill Silver Company, Inc., New York, N. Y., a corporation of New York.



FOR HOLLOW WARE, FLATWARE, AND SILVER WARE, MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since Dec. 31, 1938.

Reg. No. 424,638. Registered Oct. 15, 1946. CHARLES SCHAEFFER, doing business as Schaeffer's, Cleveland, Ohio. Republished by J. Major Company, Chicago, Ill., a corporation of Illinois.

SMOOTHEEZ

FOR WATCH BRACELETS.
Claims use since Jan. 15, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 64,041. Registered July 23, 1907. NORTH BROS. MFG. CO., Philadelphia, Pa. Republished by The White Mountain Freezer Company, Inc., Nashua, N. H., a corporation of New Hampshire.

Blizzard

FOR ICE CREAM FREEZERS.
Claims use since 1883.

Reg. No. 127,164. Registered Oct. 21, 1919. THE WHITE MOUNTAIN FREEZER COMPANY, Nashua, N. H. Republished by The White Mountain Freezer Company, Inc., Nashua, N. H., a corporation of New Hampshire.



FOR ICE CREAM FREEZERS.
Claims use since 1878.

Reg. No. 432,490. Registered Sept. 2, 1947. ELGIN SOFTENER CORPORATION, Elgin, Ill., a corporation of Illinois. Republished by registrant.

ELDURITE

FOR ION-EXCHANGE MATERIALS, SUITABLE FOR USE AS WATER SOFTENING AGENTS.
Claims use since July 23, 1946.

Reg. No. 433,872. Registered Nov. 4, 1947. ELGIN SOFTENER CORPORATION, Elgin, Ill., a corporation of Illinois. Republished by registrant.

ELCOFILT

FOR GRADED SILICEOUS AND OTHER INSOLUBLE, UNREACTIVE GRANULAR MATERIALS FOR USE AS SUPPORTING BEDS FOR OTHER GRANULAR PREPARATIONS, SUCH AS ION-EXCHANGE PREPARATIONS IN ZEOLITE WATER SOFTENERS AND OTHER LIQUID TREATING APPARATUS.
Claims use since on or about Jan. 2, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 162,710. Registered Dec. 26, 1922. CRESCENT BED CO., LTD., New Orleans, La. Republished by Crescent Bed Co. Inc., New Orleans, La., a corporation of Louisiana.



"For Restful Sleep"

The words "For Restful Sleep" are disclaimed apart from the mark as shown.
FOR BEDS, CRIBS, BED SPRINGS, AND COTS, AND MATTRESSES.
Claims use since July 1, 1921.

Reg. No. 271,946. Registered June 17, 1930. THE LANE COMPANY, INC., Altavista, Va., a corporation of Virginia. Republished by registrant.



The words "Aroma-Tight Cedar Chest" are disclaimed apart from the mark as shown.
FOR CEDAR WARDROBES, CEDAR CHIFFOROBES, CEDAR CLOSETS, CEDAR CHESTS, DESIGNED FOR THE DESTROYING OF MOTHS AND EGGS AND WORMS FOUND IN CLOTHING, ETC., STORED IN SUCH CLOSURES.
Claims use since July 1, 1928.

Reg. No. 283,122. Registered May 19, 1931. THE C. F. STREIT MFG. CO., Cincinnati, Ohio. Republished by The C. F. Streit Manufacturing Co., Cincinnati, Ohio, a partnership.



FOR HOUSEHOLD AND OFFICE CHAIRS AND ROCKERS.
Claims use since June 3, 1930.

Reg. No. 296,689. Registered Aug. 16, 1932. THE LANE COMPANY, INC., Altavista, Va., a corporation of Virginia. Republished by registrant.

LANE-ROBE

FOR CEDAR CHESTS.
Claims use since May 1, 1931.

Reg. No. 303,253. Registered May 16, 1933. THE SENG COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SENGWEB

FOR RESILIENT SEATS AND MATTRESSES AND PARTS THEREOF FOR CHAIRS, COUCHES, DAVENPORTS, BEDS, AND SIMILAR FURNITURE.
Claims use since January 1931.

Reg. No. 341,498. Registered Dec. 8, 1936. THE LANE COMPANY, INC., Altavista, Va., a corporation of Virginia. Republished by registrant.



FOR CEDAR WARDROBES, CEDAR CHIFFOROBES, CEDAR CLOSETS, AND CEDAR CHESTS, DESIGNED FOR THE DESTROYING OF AND PROTECTION AGAINST MOTHS AND EGGS AND WORMS IN CLOTHING, ETC.
Claims use since about May 1, 1923.

Reg. No. 358,691. Registered July 19, 1938. CARL F. Streit Manufacturing Co., Cincinnati, Ohio, a partner-Company, Cincinnati, Ohio. Republished by The C. F. Streit Manufacturing Co., Cincinnati, Ohio, a partnership.

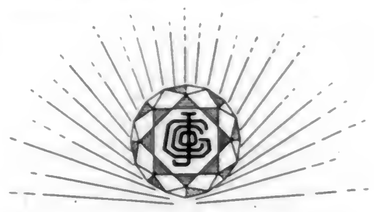
Betsy Rocker

The word "Rocker" is disclaimed apart from the mark as shown.
FOR CHAIRS.
Claims use since Feb. 28, 1938.

CLASS 33

GLASSWARE

Reg. No. 420,106. Registered Mar. 26, 1946. JOHNSON GLASS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The drawing is lined for shading only.
FOR GASOLINE STRAINER BOWLS MADE OF GLASS FOR AUTOMOTIVE ENGINES.
Claims use since Oct. 15, 1943.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 226,588. Registered Apr. 12, 1927. BELL & GOSSETT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Morton Grove, Ill.



The representation of the goods is disclaimed apart from the mark as shown.
FOR SUBMERGED WATER HEATERS.
Claims use since the first part of May 1924.

Reg. No. 301,603. Registered Mar. 7, 1933. UNI-FLO GRILLE CORPORATION, Detroit, Mich. Republished by Barber-Colman Company, Rockford, Ill., a corporation of Illinois.

UNI-FLO

FOR GRILLES FOR WALL OR FLOOR REGISTERS OR OPENINGS THROUGH WHICH HEATED, COOLED, OR VENTILATING AIR IS TO BE PASSED OR PROVIDING ONE OR MORE WALLS OF AN ENCLOSURE OR CABINET THROUGH WHICH AIR IS TO BE CIRCULATED.
Claims use since Sept. 21, 1931.

Reg. No. 340,219. Registered Nov. 3, 1936. GLOBE SPECIALTY COMPANY, Chicago, Ill. Republished by Johnson Glass Company, Chicago, Ill., a corporation of Illinois.

LYNX-EYE

FOR LAMP LENSES.
Claims use since Jan. 1, 1935.

Reg. No. 343,250. Registered Feb. 16, 1937. NIAGARA BLOWER COMPANY, Buffalo and New York, N. Y., a corporation of New York. Republished by registrant, present address Buffalo, N. Y.

NIAGARA

AERO CONDENSER

The word "Condenser" is disclaimed apart from the mark as shown.
FOR CONDENSERS.
Claims use since about Feb. 25, 1936.

Reg. No. 364,221. Registered Jan. 24, 1939. THE FOUNDRY EQUIPMENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TOWER

FOR INDUSTRIAL OVENS.
Claims use since Mar. 22, 1938.

Reg. No. 376,637. Registered Apr. 2, 1940. WEIL-McLAIN COMPANY, Erie, Pa., a corporation of Delaware. Republished by registrant, present address Chicago, Ill.

SOLRAY

FOR HEATING RADIATORS.
Claims use since Oct. 5, 1939.

Reg. No. 408,162. Registered July 25, 1944. NIAGARA BLOWER COMPANY, Buffalo and New York, N. Y., a corporation of New York. Republished by registrant, present address Buffalo, N. Y.

AERO

FOR BLOWER TYPE EVAPORATIVE HEAT EXCHANGERS FOR GAS AND DIESEL ENGINE JACKET WATER COOLING, LUBRICATING OIL COOLING, QUENCHING OIL COOLING, CAUSTIC SOLUTION COOLING, QUENCHING BATHS, TRANSFORMER OIL COOLING, CUTTING OIL COOLING, AUTOMATIC MACHINE TOOLS, SOAP SOLUTION COOLING, AND COPPER WIRE DRAWING MILLS.
Claims use since about September 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 303,868. Registered June 13, 1933. THE SHALER COMPANY, Waupun, Wis., a corporation of Delaware. Republished by registrant.



The word "Patches" and the representation of the tool are disclaimed apart from the mark as shown.
FOR REPAIR PATCH EQUIPMENT FOR RUBBER ARTICLES PARTICULARLY TIRE TUBE REPAIR KITS.
Claims use since June 1, 1931.

Reg. No. 403,672. Registered Oct. 12, 1943. QUAKER RUBBER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR BELTING FOR POWER TRANSMISSION, ELEVATING, AND CONVEYING PURPOSES, AIR BRAKE HOSE, AIR DRILL HOSE, AIR PUMP HOSE, CHEMICAL HOSE, FIRE HOSE, GARDEN HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, AND HOSE FOR CONVEYING AIR, LIQUIDS, AND GASES, MACHINERY PACKING, BEER DISPENSING TUBING, FIRE EXTINGUISHER TUBING, GAS TUBING, PIANO PLAYER TUBING, WINDSHIELD WIPER TUBING, FLUORIC ACID TUBING, MILK MACHINE TUBING, SHEET AND ROD PACKING, SOLID TIRES, ALL OF WHICH CONTAIN RUBBER, OR SYNTHETIC RUBBER, OR BOTH.
Claims use since 1913.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 415,344. Registered Aug. 7, 1945. MAX H. KRANZBERG, doing business as Chancellor Radio Company, New York, N. Y. Republished by registrant.

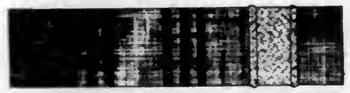
Chancellor

FOR PHONOGRAPH RECORDS AND PHONOGRAPH RECORDING DISCS.
Claims use since Nov. 17, 1944.

CLASS 37

PAPER AND STATIONERY

Reg. No. 51,227. Registered Apr. 10, 1906. EBERHARD FABER, New York, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.



The trade-mark consists of a circumferential band of yellow or gold contrasting with a darker color on each side thereof and produced upon metallic holders.
FOR PEN AND PENCIL HOLDERS, PENHOLDERS, PENCIL-HOLDERS, AND POINT-PROTECTORS.
Claims use since March 1904.

Reg. No. 182,319. Registered Apr. 8, 1924. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

WARRENFOLD

FOR PRINTING PAPER.
Claims use since Oct. 1, 1923.

Reg. No. 193,992. Registered Jan. 13, 1925. THE MARTIN CANTINE COMPANY, Saugerties, N. Y., a corporation of New York. Republished by registrant.

ESOPUS

FOR ENAMELED BOOK PAPER.
Claims use since Apr. 23, 1923.

Reg. No. 282,014. Registered Apr. 7, 1931. SCHNEFEL BROTHERS, INC., Newark, N. J. Republished by Schnefel, Bros. Corporation, Newark, N. J., a corporation of New Jersey.

La Cross

FOR TWEEZERS FOR ALL PURPOSES EXCEPT DENTAL, MANICURE, OR SURGICAL USE; HOUSE SCISSORS, POCKET SCISSORS, EMBROIDERY SCISSORS, BARBER SCISSORS,, DESK SETS CONSISTING OF SCISSORS AND STEEL LETTER OPENERS MOUNTED IN LEATHER SHEATHS, LETTER OPENERS OF BASE STEEL, AND SCISSORS SETS.
Claims use since during the year 1922.

Reg. No. 301,382. Registered Feb. 28, 1933. THE PARKER-YOUNG COMPANY, Boston, Mass. Republished by Marcalus Manufacturing Co. Inc., East Paterson, N. J., a corporation of New Jersey.

PARKWORTH BOND

The word "Bond" is disclaimed apart from the mark as shown.

FOR BOND PAPER.

Claims use since July 14, 1932.

Reg. No. 433,968. Registered Nov. 4, 1947. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Company, San Francisco, Calif., a corporation of Nevada. Republished by registrant.

CROWNLINER

FOR CREPED PAPER LINERS FOR FRUIT AND VEGETABLE PRODUCE BOXES AND CONTAINERS.

Claims use since Mar. 10, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 229,494. Registered June 28, 1927. NOWY SWIAT PUBLISHING COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Nowy Swiat

THE POLISH MORNING WORLD

FOR DAILY NEWSPAPER.

Claims use since Mar. 1, 1919.

Reg. No. 235,493. Registered Nov. 22, 1927. THE JOURNAL OF ACCOUNTANCY, INCORPORATED, New York, N. Y. Republished by American Institute Publishing Co., Inc., New York, N. Y., a corporation of New York.

The JOURNAL *of* ACCOUNTANCY

FOR PERIODICALS.

Claims use since Apr. 1, 1921.

Reg. No. 271,919. Registered June 17, 1930. J. FRANK METER, doing business as Exhibit Supply Co., Chicago, Ill. Republished by Exhibit Supply Company, Chicago, Ill., a corporation of Illinois.

EXHIBIT

FOR PICTURE POST CARDS, PICTURE CARDS FOR VENDING MACHINES, AND CARDS FOR VENDING MACHINES.

Claims use since July 27, 1928.

Reg. No. 377,977. Registered May 21, 1940. THE PULITZER PUBLISHING COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

ST. LOUIS POST-DISPATCH

The words "St. Louis" are disclaimed apart from the mark as shown.

FOR NEWSPAPER.

Claims use since Mar. 10, 1879.

Reg. No. 396,500. Registered July 21, 1942. DENT SMITH, doing business as The Encore Press, Hoboken, N. J. Republished by The Saturday Review Associates, Inc., New York, N. Y., a corporation of New York.

Encore

FOR MAGAZINE.

Claims use since Jan. 9, 1942.

Reg. No. 415,810. Registered Aug. 14, 1945. MARS, INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.

MILKY WAY NEWS

The word "News" is disclaimed apart from the mark as shown.

FOR PERIODICAL PUBLISHED MONTHLY.

Claims use since Aug. 1, 1944.

Reg. No. 430,788. Registered June 24, 1947. NATIONAL MUSIC PUBLISHING CORP., New York, N. Y., a corporation of New York. Republished by registrant.

NATIONAL MUSIC PUBLISHING CORP.

The words "Music Publishing Corp." and the representation of a map of the United States are disclaimed apart from the mark as shown.

FOR SHEET MUSIC.

Claims use since Nov. 28, 1945.

CLASS 39

CLOTHING

Reg. No. 68,847. Registered Apr. 28, 1908. SOMMER & KAUFMANN, INC., San Francisco, Calif. Republished by Sommer & Kaufmann, San Francisco, Calif., a corporation of California.



FOR LEATHER AND CANVAS BOOTS AND SHOES.

Claims use since April 1902.

Reg. No. 98,955. Registered Aug. 11, 1914. INDERA MILLS, Winston-Salem, N. C. Republished by Indera Mills Company, Winston-Salem, N. C., a corporation of North Carolina.

Indera

FOR KNIT AND WOVEN UNDERWEAR.

Claims use since Mar. 28, 1914.

Reg. No. 99,052. Registered Aug. 11, 1914. INDERA MILLS, Winston-Salem, N. C. Republished by Indera Mills Company, Winston-Salem, N. C., a corporation of North Carolina.

FIGURFIT

FOR KNIT AND WOVEN UNDERWEAR.

Claims use since Mar. 28, 1914.

Reg. No. 171,718. Registered Aug. 14, 1923. THE R. & J. WAIST COMPANY, New London, Conn. Republished by R. & J. Underwear Company Inc., New York, N. Y., and New London, Conn., a corporation of Connecticut.

Little Wonder

FOR CHILDREN'S WAISTS AND SHIRTS, PARTICULARLY UNDERWAISTS WITH OR WITHOUT HOSE SUPPORTERS ATTACHED THERETO.

Claims use since about June 1916.

Reg. No. 194,494. Registered Jan. 27, 1925. POINTER HOSIERY CO., High Point, N. C. Republished by Adams-Millis Corporation, High Point, N. C., a corporation of North Carolina.



POINTER

FOR MEN'S HALF HOSE.

Claims use since Dec. 15, 1923.

Reg. No. 241,753. Registered May 8, 1928. HEWES & POTTER, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

Spur

FOR SUSPENDERS.

Claims use since Nov. 23, 1927.

Reg. No. 241,803. Registered May 8, 1928. HEWES & POTTER, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

Spur

FOR GARTERS.

Claims use since Mar. 1, 1927.

Reg. No. 242,747. Registered June 5, 1928. O. C. HANSEN MFG. CO., Milwaukee, Wis. Republished by Hansen Glove Corporation, Milwaukee, Wis., a corporation of Wisconsin.

The Chatwood

FOR MEN'S UNLINED, KNITTED WOOL-LINED, SILK-LINED, LAMB-LINED, AND FUR-LINED LEATHER GLOVES.
Claims use since Dec. 1, 1927.

Reg. No. 245,145. Registered Aug. 7, 1928. BEAR BRAND HOSIERY CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SNOW QUEEN

FOR LADIES' WOOLEN HOSIERY.
Claims use since July 23, 1927.

Reg. No. 256,210. Registered May 7, 1929. THE STAR UNION OVERALL COMPANY, INC., South Norwalk, Conn. Republished by The Star Union Company, New York, N. Y. a firm.

Lil-Lady

FOR MIDDY BLOUSES.
Claims use since Aug. 1, 1928.

Reg. No. 261,233. Registered Sept. 10, 1929. LEVIN BROTHERS, Boston, Mass. Republished by Dainty Dot Hosiery, Boston, Mass., a firm.

DaintyDot

FOR LADIES' KNITTED HOSIERY AND UNDERWEAR.
Claims use since June 9, 1928.

Reg. No. 262,381. Registered Oct. 8, 1929. HARRY D. KROLL, doing business as Union Manufacturing Co., Los Angeles, Calif. Republished by Union Manufacturing Co., Los Angeles, Calif., a partnership.

BOULDER DAM

FOR MEN'S AND BOYS' OUTER CLOTHING—NAMELY, SUITS, PANTS, BREECHES, KNICKERS, OVERALLS, TOPCOATS, AND OVERCOATS.
Claims use since Apr. 6, 1929.

Reg. No. 264,900. Registered Dec. 10, 1929. VOGUE BRASSIERE MFG. CO., Newark, N. J. Republished by Vogue Foundations, Inc., Newark, N. J., a corporation of New Jersey.

Frieland Vogue Bros.

The word "Vogue" is disclaimed apart from the mark as shown.
FOR BRASSIÈRES, CORSETS, GIRDLES; FOUNDATIONS—NAMELY, CORSET AND BRASSIÈRE COMBINATIONS; BANDETTES, GARTER BELTS, BANDEAUX; GIRDLE AND BRASSIÈRE COMBINATIONS.
Claims use since Nov. 1, 1916.

Reg. No. 267,216. Registered Feb. 18, 1930. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

BREEZEWEAVE

FOR DRESS AND NEGLIGEE SHIRTS, KNITTED AND TEXTILE UNDERWEAR FOR MEN, AND PAJAMAS.
Claims use since Aug. 7, 1929.

Reg. No. 268,028. Registered Mar. 4, 1930. G. W. ALEXANDER & CO., INC., Reading, Pa., a corporation of Pennsylvania. Republished by registrant.

The LONGHORN HAT

The word "Hat" is disclaimed apart from the mark as shown.
FOR MEN'S AND WOMEN'S FUR-FELT HATS, COMMONLY CALLED FELT HATS.
Claims use since June 1, 1929.

Reg. No. 268,483. Registered Mar. 18, 1930. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

COMFOJAMA

FOR COLLARS, DRESS AND NEGLIGEE SHIRTS, PAJAMAS, AND KNITTED AND TEXTILE UNDERWEAR FOR MEN AND BOYS.
Claims use since Sept. 19, 1929.

Reg. No. 268,485. Registered Mar. 18, 1930. G. W. ALEXANDER & CO., INC., Reading, Pa., a corporation of Pennsylvania. Republished by registrant.

Town Club HATS

The word "Hats" is disclaimed apart from the mark as shown.
FOR MEN'S AND WOMEN'S FUR-FELT HATS, COMMONLY CALLED FELT HATS.
Claims use since Oct. 1, 1928.

Reg. No. 269,016. Registered Mar. 25, 1930. G. W. ALEXANDER & CO., INC., Reading, Pa., a corporation of Pennsylvania. Republished by registrant.

SPORT-TEE FOR EVERYWEAR-EVERYWHERE

The words "For Everywear—Everywhere" are disclaimed apart from the mark as shown.
FOR MEN'S AND WOMEN'S FUR-FELT HATS, COMMONLY CALLED FELT HATS.
Claims use since Aug. 15, 1929.

Reg. No. 269,758. Registered Apr. 15, 1930. PORTER CLOTHING CO., INC., New Orleans, La. Republished by Schloss Bros. & Co., Inc., Baltimore, Md., a corporation of Marylannd.

PORTER'S Berwick

The word "Berwick" is disclaimed apart from the mark as shown. The drawing is lined for the colors red and yellow.
FOR MEN'S CLOTHING OF WOOL, SILK, LINEN, COTTON, AND COMBINATIONS OF THESE MATERIALS—NAMELY, SUITS, OVERCOATS, DRESS SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS; UNDERWEAR OF KNITTED OR TEXTILE FABRIC, PAJAMAS, NIGHT SHIRTS; AND NECKWEAR—NAMELY, NECKTIES, SCARFS; AND HOSIERY.
Claims use since May 13, 1929.

Reg. No. 272,386. Registered July 8, 1930. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Flextoe

FOR HOSIERY.
Claims use since Jan. 30, 1930.

Reg. No. 295,277. Registered June 28, 1932. VOGUE BRASSIERE MFG. CO., Newark, N. J. Republished by Vogue Foundations, Inc., Newark, N. J., a corporation of New Jersey.

★ KNO-BELT ★

The phrase "Kno-Belt" is disclaimed apart from the mark as shown.
FOR COMBINATION OR FOUNDATION GARMENTS CONSISTING OF A CORSET AND BRASSIÈRE COMBINATION.
Claims use since June 15, 1931.

Reg. No. 301,431. Registered Feb. 28, 1933. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

LOUNJAMA

FOR PAJAMAS FOR MEN, WOMEN AND CHILDREN.
Claims use since Sept. 1, 1932.

Reg. No. 314,463. Registered June 26, 1934. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

Tropithin

FOR MEN'S NEGLIGEE AND DRESS SHIRTS, PAJAMAS, AND UNDERWEAR.
Claims use since Nov. 1, 1933.

Reg. No. 323,206. Registered Apr. 9, 1935. INDERA MILLS COMPANY, Winston-Salem, N. C., a corporation of North Carolina. Republished by registrant.

Indera FIGURFIT

FOR KNIT AND WOVEN UNDERWEAR, SWIM SUITS, PRINCESS SLIPS, RAYON UNDERWEAR, DANCE SUITS, SWEATERS, AND LADIES' DRESSES.
Claims use since Mar. 28, 1914.

Reg. No. 324,339. Registered May 14, 1935. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

Vulcatex BY Enro

FOR MEN'S AND BOYS' NEGLIGEE AND DRESS SHIRTS, PAJAMAS AND UNDERWEAR.
Claims use since Oct. 15, 1934.

Reg. No. 327,631. Registered Sept. 3, 1935. G. W. ALEXANDER & CO., INC., West Reading, Pa., a corporation of Pennsylvania. Republished by registrant.

Manor Club

FOR CAPS AND HATS OF FELT, STRAW, CLOTH AND FUR FOR MEN AND WOMEN.
Claims use since Mar. 1, 1935.

Reg. No. 328,429. Registered Sept. 24, 1935. COOPER, WELLS & COMPANY, St. Joseph, Mich. Republished by Walgreen Co., Chicago, Ill., a corporation of Illinois.

GLORY

FOR HOSIERY FOR WOMEN.
Claims use since Apr. 29, 1935.

Reg. No. 330,077. Registered Nov. 19, 1935. DALTON HAT CO. INC., Yonkers, N. Y., a corporation of New York. Republished by registrant.

Hirshiner

FOR MEN'S AND BOYS' SOFT AND STRAW HATS AND CAPS.
Claims use since Apr. 30, 1935.

Reg. No. 334,392. Registered May 5, 1936. JOSEPH P. BUBLA, New York, N. Y. Republished by registrant.

BEAUCREST

FOR DRESS, NEGLIGEE, AND WORK SHIRTS; HOSIERY, AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 15, 1934.

Reg. No. 335,061. Registered May 19, 1936. MORRIS HARRIS, doing business as Union Manufacturing Co., Los Angeles, Calif. Republished by Union Manufacturing Co., Los Angeles, Calif., a partnership.

BOULDERCORD

FOR MEN'S AND BOYS' CLOTHING—NAMELY; TROUSERS, BREECHES, OVERALLS, AND JACKETS.
Claims use since Nov. 25, 1935.

Reg. No. 340,994. Registered Nov. 24, 1936. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Doevel

FOR FABRIC GLOVES.
Claims use since June 4, 1936.

Reg. No. 341,405. Registered Dec. 8, 1936. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

"PARKLANE"

FOR COLLARS, NEGLIGEE AND DRESS SHIRTS, AND PAJAMAS FOR MEN.
Claims use since May 1931.

Reg. No. 343,266. Registered Feb. 16, 1937. LEVIN & CO., New York, N. Y. Republished by Levin & Co., New York, N. Y., a firm, assignor to Levin & Co., Inc. of New York, N. Y., New York, N. Y., a corporation of New York.



The word "Gingham" is disclaimed apart from the mark as shown.
FOR APRONS, HOOVERETTES, HOUSEDRESSES, AND SMOCKS.
Claims use since July 15, 1936.

Reg. No. 363,457. Registered Dec. 27, 1938. LA VOGUE DRESS COMPANY, INCORPORATED, St. Louis, Mo. Republished by Irene Karol, Inc., St. Louis, Mo., a corporation of Missouri.



The word "Original" is disclaimed apart from the mark as shown.
FOR LADIES', MISSES', AND JUNIORS' DRESSES.
Claims use since June 1, 1938.

Reg. No. 363,974. Registered Jan. 17, 1939. THE DOERMAN SHOE MFG. CO., Milwaukee, Wis. Republished by Doerman Shoe Mfg. Co., South Milwaukee, Wis., a corporation of Wisconsin.

Bob and Betty

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Sept. 1, 1937.

Reg. No. 371,497. Registered Sept. 26, 1939. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

Willo Rose

FOR MEN'S DRESS SHIRTS, PAJAMAS.
Claims use since Apr. 21, 1939.

Reg. No. 376,010. Registered Mar. 12, 1940. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

"Drury Lane"

FOR COLLARS SOLD AS SUCH.
Claims use since Dec. 18, 1933.

Reg. No. 381,262. Registered Sept. 17, 1940. BERNHARDT'S CLOTHES, INC., Wheeling, W. Va., a corporation of West Virginia. Republished by registrant.

Clifton Hall

The word "Clifton" is disclaimed apart from the mark as shown.
FOR MEN'S SUITS, TOP COATS, OVERCOATS, AND TROUSERS.
Claims use since Mar. 30, 1940.

Reg. No. 393,064. Registered Jan. 27, 1942. HORTEX MANUFACTURING COMPANY, El Paso, Tex. Republished by Hortex Manufacturing Co., Inc., El Paso, Tex., a corporation of Texas.



FOR BOYS' SPORT SUITS, PANTS, SHIRTS, JACKETS, AND OVERALLS.
Claims use since Oct. 1, 1940.

Reg. No. 412,975. Registered Apr. 3, 1945. HORTEX MANUFACTURING COMPANY, El Paso, Tex. Republished by Hortex Manufacturing Co., Inc., El Paso, Tex., a corporation of Texas.

BILLYALLS

FOR CHILDREN'S PLAY GARMENTS—NAMELY, OVERALLS AND OVERALL UNION SUITS.
Claims use since Apr. 15, 1944.

Reg. No. 424,890. Registered Oct. 29, 1946. L. J. SAMUELS & CO., INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SUPEROCK

FOR MEN'S AND YOUNG MEN'S SUITS, TOPCOATS, AND OVERCOATS.
Claims use since November 1935.

Reg. No. 433,385. Registered Oct. 14, 1947. GRUNWALD-MARX, Los Angeles, Calif. Republished by Grunwald-Marx Inc., Los Angeles, Calif., a corporation of California.

Spire

FOR MEN'S DRESS AND WORK SHIRTS.
Claims use since Aug. 12, 1939.

Reg. No. 433,434. Registered Oct. 14, 1947. M. ARON CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

ARCODOR

FOR NECKTIES.
Claims use since May 3, 1946

Reg. No. 433,468. Registered Oct. 14, 1947. ROGERS PEET COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



FOR MEN'S AND BOYS' SUITS, SPORT JACKETS, SLACKS, OVERCOATS, RAINCOATS, HATS, CAPS, LEATHER SHOES, OUTER SHIRTS, HOSIERY, UNDERWEAR, NECKTIES, PAJAMAS, HANDKERCHIEFS, GARMENT BELTS, AND BATHING TRUNKS.
Claims use since Aug. 9, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 306,613. Registered Sept. 26, 1933. SIEGFRIED BEHR, New York, N. Y. Republished by Ben Hur Products, Inc., New York, N. Y., a corporation of New York.

ALICE IN WONDERLAND

FOR ARTICLES FOR DRESSING AND ORNAMENTING THE HAIR—NAMELY, BANDEAUX, BARRETTES, HAIR PINS, COMBS, WATER WAVERS, AND HAIR ROLLERS.
Claims use since Feb. 1, 1933.

Reg. No. 354,879. Registered Mar. 1, 1938. FRANK THOMAS CO., INC., Norfolk, Va., a corporation of Virginia. Republished by registrant.

CAVALIER QUALITY

The word "Quality" is disclaimed apart from the mark as shown.
FOR NAVAL AND SERVICE UNIFORM ACCOUTREMENTS AND PARAPHERNALIA—NAMELY, EPAULETS CONSISTING OF EMBROIDERED INSIGNIA AND/OR BRAID AND BUTTONS; BRAID AND/OR EMBROIDERED MEDALLIONS AND INSIGNIA FOR WEAR ON THE SLEEVES AND CAPS; CHIN STRAPS MADE OF GILT OR GOLD BRAID: AND SERVICE BUTTONS FOR WEARING APPAREL MADE OF BASE METAL.
Claims use since 1927.

Reg. No. 403,146. Registered Sept. 7, 1943. ARKWRIGHT, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

FIRST LADY

FOR BIAS FOLD TAPE, SHOE LACES, GARMENT LACINGS, ELASTIC BELTING FOR CLOTHING; RIBBONS SOLD IN SHORT LENGTHS—NAMELY, WRIST WATCH RIBBONS AND SHOULDER STRAP RIBBONS; AND NARROW FABRICS—NAMELY, COTTON AND LINEN TAPE.
Claims use since Jan. 1, 1930.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 30,898. Registered Nov. 23, 1897. ADOLPH L. BERNHEIMER, New York, N. Y. Republished by Bear Mill Manufacturing Company, Inc., New York, N. Y., a corporation of New York.

PROSPERITY CLOTH



FOR WOVEN GOODS, SUCH AS COTTON FABRICS OR CLOTHS.
Claims use since June 1, 1896.

Reg. No. 226,132. Registered Mar. 29, 1927. BEAR MILL MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR PIECE GOODS DRILLS.
Claims use since Feb. 1, 1905.

Reg. No. 295,818. Registered July 12, 1932. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

FAUNTEX

FOR LACES IN THE FORM OF PIECE GOODS.
Claims use since Jan. 15, 1932.

Reg. No. 379,377. Registered July 9, 1940. WEIL & DURRSE, New York, N. Y. Republished by Weil & Durrse, Inc., New York, N. Y., a corporation of New York.

GENUINE WILENDUR CLOTH

The words "Genuine" and "Cloth" are disclaimed apart from the mark as shown. The drawing is lined for shading only.
FOR NAPKINS, SCARFS FOR FURNITURE THROWS, TOWELING IN THE PIECE, TABLECLOTHS, AND LINEN AND COTTON PIECE GOODS.
Claims use since October 1939.

Reg. No. 393,774. Registered Mar. 3, 1942. WEIL & DURRSE, New York, N. Y. Republished by Weil & Durrse, Inc., New York, N. Y., a corporation of New York.

America's Pride

The word "America's" is disclaimed apart from the mark as shown.
FOR TABLECLOTHS, LINENS, TOWELING, AND NAPKINS.
Claims use since Apr. 1, 1941.

Reg. No. 418,471. Registered Dec. 25, 1945. INTERSTATE DRY GOODS SYNDICATE, Huntington, W. Va., a corporation of West Virginia. Republished by registrant.

"Invitation"

FOR SHEETS, PILLOW CASES, TABLE LINENS, TOWELS, BED SPREADS.
Claims use since May 2, 1945.

Reg. No. 428,870. Registered Apr. 8, 1947. E. W. TWITCHELL INCORPORATED, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

TEXTILENE SUNSURE

FOR TEXTILE FABRICS MADE OF PAPER, PRODUCED PREFERABLY FROM SULPHATE WOOD PULP, SOLD BY THE YARD.
Claims use since Nov. 6, 1945.

Reg. No. 432,625. Registered Sept. 9, 1947. FOLKER FABRICS CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

BILLIONAIRE

FOR TEXTILE FABRICS IN THE PIECE, OF RAYON AND PROTEIN FIBRES.
Claims use since Nov. 15, 1945.

CLASS 43

THREAD AND YARN

Reg. No. 404,925. Registered Dec. 28, 1943. E. W. TWITCHELL INCORPORATED, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Textilene

FOR YARNS.
Claims use since July 12, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 30,595. Registered Sept. 28, 1897. NAPOLEON C. BECKER, Amsterdam, N. Y. Republished by Robert Z. Lindsay, Delanson, N. Y., assignor to Bernadette B. Makse, Delanson, N. Y.

BECKER'S

A B C PLASTER.

FOR MEDICINAL PLASTERS.
Claims use since Apr. 5, 1894.

Reg. No. 164,538. Registered Feb. 20, 1923. SCHNEFEL BROTHERS, Newark, N. J. Republished by Schnefel Bros., Corporation, Newark, N. J., a corporation of New Jersey.

La Cross

The representation of the portion of the file is disclaimed apart from the mark as shown.
FOR MANICURE FILES.
Claims use since 1921.

Reg. No. 280,084. Registered Feb. 10, 1931. SCHNEFEL BROTHERS, INC., Newark, N. J. Republished by Schnefel Bros., Corporation, Newark, N. J., a corporation of New Jersey.

La Cross

FOR TWEEZERS FOR DENTAL, SURGICAL, AND MANICURE PURPOSES, MANICURE AND PEDICURE NIPPERS, MANICURE AND PEDICURE SCISSORS, FINGER NAIL CLIPS, CUTICLE PUSHERS, AND KNIVES, CORN KNIVES, CORN RAZORS, MANICURE EMERY BOARDS, AND BUFFERS, BLACKHEAD AND PIMPLE REMOVERS, MANICURE ORANGE STICKS, AND STICKS, LEVY OR MANICURE KNIVES FOR SCRAPING FINGER NAILS, AND MANICURE SETS.
Claims use since during the year 1922.

Reg. No. 399,263. Registered Dec. 22, 1942. KARL FOLKE EWESON, doing business as Balico Products Co., New York, N. Y. Republished by registrant.

VACUTEX

FOR INSTRUMENTS FOR REMOVING COMEDOS OR BLACKHEADS FROM THE SKIN.
Claims use since about May 15, 1941.

Reg. No. 409,602. Registered Oct. 10, 1944. BUFFALO DENTAL MANUFACTURING COMPANY, Buffalo, N. Y., a corporation of New York. Republished by registrant.

Robinson's

FOR DENTAL BRISTLE DISCS (UNMOUNTED OR MOUNTED ON MANDRELS).
Claims use since 1889.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 301,307. Registered Feb. 28, 1933. ABE KANNER, Los Angeles, Calif. Republished by registrant.

WILSHIRE CLUB

FOR CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FOR SYRUPS AND EXTRACTS USED IN MAKING THE SAME.
Claims use since Jan. 1, 1931.

Reg. No. 399,930. Registered Feb. 9, 1943. R. J. REYNOLDS, JR., Atlanta, Ga., assignor to Hep, Inc. Republished by Red Rock Company, Atlanta, Ga., a corporation of Georgia.

HEP

FOR NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND CONCENTRATE FOR MAKING THE SAME.
Claims use since June 10, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 24,182. Registered Feb. 6, 1894. HAAS BROTHERS, New York, N. Y., and San Francisco, Calif. Republished by Haas Brothers, San Francisco, Calif., a corporation of California.



FOR OYSTERS IN CANS, PACKAGES, OR PARCELS.
Claims use since early in the year 1876.

Reg. No. 33,314. Registered Aug. 8, 1899. SEEMAN BROTHERS, New York, N. Y. Republished by Seeman Brothers, Inc., New York, N. Y., a corporation of New York.



FOR CANNED AND BOTTLED VEGETABLES, FRUITS, FISH, RELISHES, AND MEATS.
Claims use since May 1894.

Reg. No. 58,411. Registered Dec. 11, 1906. THE NEWTON MILLING & ELEVATOR COMPANY, Newton, Kans. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.

UNITY

FOR WHEAT FLOUR.
Claims use since Apr. 21, 1906.

Reg. No. 64,384. Registered Aug. 6, 1907. F. H. FROMM & Co., Philadelphia, Pa. Republished by Frank H. Fromm doing business as F. H. Fromm & Co., New York, N. Y.

CANUTE

FOR CANNED SARDINES.
Claims use since Jan. 1, 1907.

Reg. No. 78,785. Registered July 12, 1910. JAMES H. FORBES TEA AND COFFEE COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

FORBES'

FOR ALL KINDS OF COFFEE.
Claims use since January 1880.

Reg. No. 81,345. Registered Mar. 28, 1911. LUTZ & SCHRAMM Co., Pittsburgh, Pa. Republished by Lutz & Schramm Inc., Pittsburgh, Pa., a corporation of Delaware.

L&S

FOR CHILI SAUCE, PEPPER-SAUCE, STRAWBERRY PRESERVES, TOMATO PRESERVES, TOMATO CATSUP, PREPARED MUSTARD, PEACH PRESERVES, RED-RASPBERRY PRESERVES, PLUM PRESERVES, BLACKBERRY PRESERVES, CHERRY PRESERVES, PINEAPPLE PRESERVES, QUINCE PRESERVES, APRICOT PRESERVES, MANZANILLA OLIVES, SWEET GHERKINS, SWEET MIXED PICKLES, MIXED PICKLES, SWEET-PICKLE CHUTNEY, SWEET RELISH, SWEET CHUTNEY RELISH AND ONIONS.
Claims use since 1905.

Reg. No. 82,591. Registered July 11, 1911. JAMES H. FORBES TEA AND COFFEE COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

F.F.

FOR BLENDED COFFEE, SPICES AND FOOD-FLAVORING EXTRACTS.
Claims use since January 1880.

Reg. No. 84,413. Registered Dec. 12, 1911. ROSENBERG BROS. & Co., San Francisco, Calif. Republished by Rosenberg Bros. & Co., San Francisco, Calif., a corporation of California.

SULTAN

FOR FIGS.
Claims use since Jan. 1, 1901.

Reg. No. 86,670. Registered May 21, 1912. ROSENBERG BROS. & Co., San Francisco, Calif. Republished by Rosenberg Bros. & Co., San Francisco, Calif., a corporation of California.

IRIS

FOR DRIED FRUITS—NAMELY, APRICOTS, NECTARINES, PEARS, PEACHES, PLUMS, PRUNES, AND RAISINS.
Claims use since Jan. 1, 1896.

Reg. No. 88,935. Registered Oct. 29, 1912. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Y&S

FOR STICK LICORICE, LICORICE CHEWING GUM, AND LICORICE WAFERS.
Claims use since 1870.

Reg. No. 99,804. Registered Sept. 15, 1914. SLATER MILL & ELEVATOR COMPANY, Slater, Mo. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.

Friendship

FOR WHEAT FLOUR, MORE SPECIFICALLY, SELF-RISING FLOUR.
Claims use since Dec. 4, 1913.

Reg. No. 99,805. Registered Sept. 15, 1914. SLATER MILL AND ELEVATOR COMPANY, Slater, Mo. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.

Menu

FOR WHEAT FLOUR.
Claims use since May 24, 1907.

Reg. No. 102,928. Registered Mar. 2, 1915. NORFOLK PACKING Co., Norfolk, Nebr. Republished by Tolerton & Warfield Co., Sioux City, Iowa, a corporation of Iowa.

MORNING LIGHT

FOR CANNED VEGETABLES.
Claims use since Apr. 27, 1912.

Reg. No. 106,396. Registered Oct. 19, 1915. CHRISTIAN L. BENSON, Chicago, Ill. Republished by Benson Fish Company, Inc., Chicago, Ill., a corporation of Illinois.

NOON HOUR

FOR PRESERVED FISH, CANNED SARDINES, CANNED ANCHOVIES, AND CANNED KIPPERED HERRING.
Claims use since Mar. 15, 1910.

Reg. No. 107,911. Registered Jan. 4, 1916. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Harbor Island, Seattle, Wash.

EGGRAIN

FOR POULTRY FOOD, TO WIT, A MIXTURE OF WHEAT, CORN, AND BARLEY.
Claims use since May 15, 1915.

Reg. No. 116,153. Registered Apr. 10, 1917. NATIONAL LICORICE Co., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

PURITY

FOR CONFECTIONERY — VIZ., MANUFACTURED LICORICE.
Claims use since July 1, 1886.

Reg. No. 117,583. Registered July 17, 1917. THE NEWTON MILLING & ELEVATOR Co., Newton, Kans. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.

Meridian

FOR WHEAT FLOUR.
Claims use since Nov. 1, 1916.

Reg. No. 121,700. Registered May 21, 1918. CALIFORNIA PACKING CORPORATION, San Francisco, Calif. Republished by Pomona Products Co., Griffin, Ga., a corporation of Georgia.

SUNSHINE

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since Mar. 1, 1897.

Reg. No. 135,706. Registered Oct. 19, 1920. HUGGINS CANDY Co., Nashville, Tenn. Republished by Standard Candy Company, Nashville, Tenn., a corporation of Tennessee.

BABY BUNTING

FOR CANDY.
Claims use since September 1899.

Reg. No. 159,975. Registered Oct. 10, 1922. THE OREGON DAIRYMEN'S COOPERATIVE LEAGUE, Portland, Oreg. Republished by Coos Bay Mutual Creamery Company, Coos Bay, Oreg., a cooperative association of Oregon.

MELOWEST

FOR FOOD AND INGREDIENTS FOR FOODS, AND SPECIFICALLY CHEESE.
Claims use since Nov. 22, 1920, or thereabouts.

Reg. No. 169,285. Registered June 12, 1923. FRANK H. FROMM, Philadelphia, Pa. Republished by registrant, present address New York, N. Y.

BLUE FEATHER

FOR CANNED SARDINES.
Claims use since 1913.

Reg. No. 173,823. Registered Oct. 2, 1923. FRANK H. H. FROMM, Philadelphia, Pa. Republished by registrant, present address New York, N. Y.

MONTE CRISTO

FOR CANNED FISH.
Claims use since October 1922.

Reg. No. 180,019. Registered Feb. 19, 1924. ROSENBERG BROS. & Co., San Francisco, Calif., a corporation of California. Republished by registrant.

ENSIGN

FOR RICE AND RICE FLOUR.
Claims use since September 1917.

Reg. No. 181,053. Registered Mar. 11, 1924. BARG & FOSTER CANDY COMPANY, Milwaukee, Wis. Republished by Sperry Candy Company, Milwaukee, Wis., a corporation of Wisconsin.

SPERRY'S HOMAID CANDIES
Club Sandwich

The words "Homaid Candies" are disclaimed apart from the other features of the mark.

FOR CONFECTIONERY—NAMELY, CANDY BAR, CHOCOLATE COVERING, WITH CREAM AND NUT FILLING.
Claims use since Mar. 1, 1921.

Reg. No. 181,062. Registered Mar. 11, 1924. BARQ & FOSTER CANDY COMPANY, Milwaukee, Wis. Republished by Sperry Candy Company, Milwaukee, Wis., a corporation of Wisconsin.



The words "Homaid Candies" are disclaimed apart from the other features of the mark.
FOR CONFECTIONERY—NAMELY, CANDY NUT BAR WITH CHOCOLATE COVERING.
Claims use since Dec. 1, 1922.

Reg. No. 182,790. Registered Apr. 15, 1924. FRANK H. FROMM, Philadelphia, Pa. Republished by registrant, present address, New York, N. Y.

HARMONY

FOR SARDINES PACKED IN OIL.
Claims use since 1913.

Reg. No. 186,798. Registered July 22, 1924. PALMER CANDY CO., Sioux City, Iowa. Republished by William D. Palmer, Jr., co-trustee of estate of W. B. Palmer, deceased, doing business as Palmer Candy Company, Sioux City, Iowa.



FOR CANDY.
Claims use since 1897.

Reg. No. 187,153. Registered July 29, 1924. SEA ISLAND CANNING CO., Sapelon Island, Ga. Republished by The Ploeger-Abbott Company, Darien, Ga., a partnership.

SEA ISLAND

FOR CANNED SHRIMP.
Claims use since June 19, 1923.

Reg. No. 188,088. Registered Aug. 19, 1924. A. C. LEGG PACKING COMPANY, INC., Birmingham, Ala., a corporation of Alabama. Republished by registrant.

LEGG'S
OLD
PLANTATION SEASONING
CLOVER MEADE BRAND.

The words "Seasoning" and "Brand" are disclaimed apart from the mark as shown.
FOR SAUSAGE SEASONING.
Claims use since Mar. 25, 1923.

Reg. No. 189,635. Registered Sept. 23, 1924. JAMES H. FORBES TEA AND COFFEE COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

LEFAVOR

FOR COFFEE.
Claims use since about Oct. 1, 1923.

Reg. No. 200,080. Registered June 23, 1925. GEORGE E. HOWARD, doing business as G. E. Howard & Company, Newburgh, N. Y. Republished by G. E. Howard & Co., Newburgh, N. Y., a firm.

SNOW BALL

FOR CANNED VEGETABLES, CANNED FRUITS, AND CANNED FISH.
Claims use since July 1899.

Reg. No. 211,900. Registered Apr. 20, 1926. M. D. HOPPER, Fresno, Calif. Republished by registrant, present address Hanford, Calif.

CARNATION

FOR FRESH GRAPES.
Claims use since Aug. 16, 1920.

Reg. No. 212,770. Registered May 11, 1926. THE URIKO MILLING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant, present address St. Bernard, Ohio.

SUNSET

FOR STOCK AND POULTRY FEED, PARTICULARLY POULTRY SCRATCH FEED.
Claims use since Apr. 20, 1922.

Reg. No. 222,236. Registered Dec. 28, 1926. BATTERTON COFFEE COMPANY, INC., Birmingham, Ala., a corporation of Alabama. Republished by registrant.

ROYAL CUP

FOR COFFEE AND TEA.
Claims use since the Spring of 1908.

Reg. No. 225,399. Registered Mar. 15, 1927. SOCIETA ANONIMA EGIDIO GALBANI, Melzo, Italy. Republished by Bel Paese Sales Co. Inc., New York, N. Y., a corporation of New York.

BEL PAESE

FOR CHEESES.
Claims use since Feb. 26, 1912.

Reg. No. 230,542. Registered July 26, 1927. THE SMOKED SALT COMPANY, Cincinnati, Ohio. Republished by Cutler-Magner Company, Duluth, Minn., a corporation of Minnesota.



The words "Smoked Salt" and "Edwards Process" are disclaimed apart from the mark as shown.
FOR SALT.
Claims use since on or about July 1, 1925.

Reg. No. 231,636. Registered Aug. 23, 1927. PLANTERS NUT AND CHOCOLATE CO., Wilkes-Barre, Pa., Suffolk, Va., and San Francisco, Calif., a corporation of Pennsylvania. Republished by registrant, present address Wilkes-Barre, Pa.

NICKEL
DESSERT

The word "Nickel" is disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since Aug. 2, 1926.

Reg. No. 231,677. Registered Aug. 23, 1927. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

LITTLE COOK

FOR DRIED CURRANTS AND MINCEMEAT.
Claims use since on or about July 1, 1907.

Reg. No. 231,678. Registered Aug. 23, 1927. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

Santa Claus

FOR DRIED CURRANTS AND MINCEMEAT.
Claims use since on or about July 1, 1900.

Reg. No. 232,444. Registered Sept. 6, 1927. EAST HIGHLANDS CITRUS ASSOCIATION, East Highlands, Calif., a corporation of California. Republished by registrant.

DOUBLE A

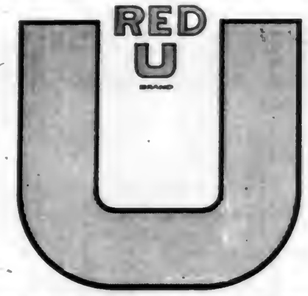
FOR FRESH CITRUS FRUITS.
Claims use since January 1909.

Reg. No. 232,979. Registered Sept. 20, 1927. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.



FOR DRIED CURRANTS, DATES, MINCEMEAT, AND PEANUT BUTTER.
Claims use since on or about Sept. 1, 1922.

Reg. No. 235,588. Registered Nov. 22, 1927. UKIAH FRUIT GROWERS, INCORPORATED, Ukiah, Calif., a corporation of California. Republished by registrant.



The lining on mark indicates red. The word "Brand" is disclaimed apart from the mark as shown.
FOR FRESH PEARS IN THEIR NATURAL STATE.
Claims use since on or about July 18, 1927.

Reg. No. 235,923. Registered Nov. 29, 1927. SUNLIGHT MILLING COMPANY, Mount Vernon, Ind. Republished by Home Mill and Grain Company, Inc., Mount Vernon, Ind., a corporation of Indiana.

SUNLIGHT

FOR PLAIN FLOUR.
Claims use since Sept. 6, 1902.

Reg. No. 237,034. Registered Jan. 3, 1928. PLANTERS NUT AND CHOCOLATE CO., Suffolk, Va., a corporation of Pennsylvania. Republished by registrant, present address Wilkes-Barre, Pa.



FOR CHOCOLATE-COVERED PEANUTS.
Claims use since September 1925.

Reg. No. 237,323. Registered Jan. 10, 1928. EAST HIGHLANDS CITRUS ASSOCIATION, East Highlands, Calif., a corporation of California. Republished by registrant.

CHANTICLEER

FOR FRESH CITROUS FRUITS.
Claims use since January 1909.

Reg. No. 238,618. Registered Feb. 14, 1928. THE WESTERN STAR MILL CO., Salina, Kans., a corporation of Kansas. Republished by registrant.



The representation of a map, the names of the counties and the word Salina, are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since April 1926.

Reg. No. 239,311. Registered Feb. 28, 1928. MARS INCORPORATED, doing business as Mar-O-Bar Company, Minneapolis, Minn. Republished by Mars, Incorporated, Chicago, Ill., a corporation of Delaware.

SNICKERS

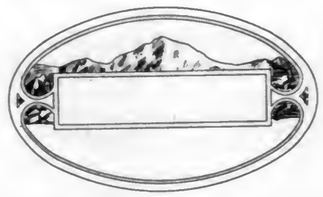
FOR CANDY COMPRISING CANDY BARS.
Claims use since April 1923.

Reg. No. 243,197. Registered June 12, 1928. QUAKER CITY CHOCOLATE & CONFECTIONERY CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

GOOD AND PLENTY

FOR CANDY.
Claims use since September 1908.

Reg. No. 251,872. Registered Jan. 15, 1929. ARPEAKO, INC., Rochester, N. Y. Republished by Tobin Packing Co., Inc., Rochester, N. Y., a corporation of Delaware.



FOR SMOKED PORK PRODUCTS—NAMELY, HAMS, BACON, PORK SHOULDERS, BACON SQUARES, HAM ROLL, SLICED BACON, CORNED BEEF, SMOKED DRIED BEEF, BOILED HAMS, BAKED HAMS, ROASTED HAMS, COOKED PORK LOIN, FRANKFURTERS, BOLOGNA, PORK SAUSAGE, POLISH SAUSAGE, BLOOD SAUSAGE, HEADCHEESE, LIVER SAUSAGE, MINCED HAM, PRESSED HAM, MEAT LOAF, AND FRESH PORK CUTS.
Claims use since May 9, 1926.

Reg. No. 257,769. Registered June 18, 1929. LEO SIMON, doing business as Natchez Baking Company, Natchez, Miss. Republished by Alfred Nickles Bakery, Inc., Navarre, Ohio, a corporation of Ohio.

TOASTMASTER

FOR BREAD.
Claims use since July 5, 1928.

Reg. No. 257,832. Registered June 18, 1929. CHULA VISTA MUTUAL LEMON ASSOCIATION, INC., Chula Vista, Calif., a corporation of California. Republished by registrant.

Gilt-edge

FOR FRESH LEMONS.
Claims use since Sept. 19, 1927.

Reg. No. 260,184. Registered Aug. 20, 1929. ROSENBERG BROS. & CO., San Francisco, Calif., a corporation of California. Republished by registrant.

NOTAWUN

FOR DRIED RAISINS.
Claims use since Feb. 1, 1907.

Reg. No. 260,997. Registered Sept. 3, 1929. CARPINTERIA MUTUAL CITRUS ASSOCIATION, Carpinteria, Calif., a corporation of California. Republished by registrant.

Ocean View

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 1, 1928.

Reg. No. 270,320. Registered May 6, 1930. S. A. EGIDIO GALBANI, Melzo, Milan, Italy. Republished by Bel Paese Sales Co. Inc., New York, N. Y., a corporation of New York.

CERTOSA
/OC AN EGIDIO GALBANI
MELZO - CERTOSA

The word "Melzo" is disclaimed apart from the mark as shown.
FOR CHEESE.
Claims use since Jan. 5, 1927.

Reg. No. 271,090. Registered Mar. 27, 1930. TEXAS COFFEE COMPANY, INCORPORATED, Beaumont, Tex. Republished by Texas Coffee Company, Beaumont, Tex., a firm.



FOR COFFEE.
Claims use since Sept. 14, 1926.

Reg. No. 272,101. Registered July 1, 1930. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

NIBS

FOR LICORICE CANDY IN SEMI-CYLINDRICAL FORM.
Claims use since about May 1923.

Reg. No. 274,352. Registered Aug. 26, 1930. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



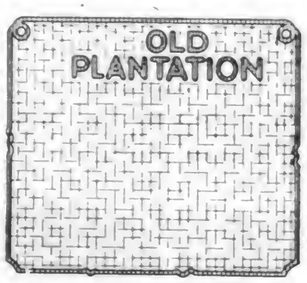
FOR CANDY.
Claims use since about 1904.

Reg. No. 285,453. Registered July 28, 1931. A. C. LEGG PACKING COMPANY, INC., Birmingham, Ala., a corporation of Alabama. Republished by registrant.



The drawing is lined to indicate the colors red, blue, yellow, and purple.
FOR SEASONING FOR SAUSAGES, MEATS, OR OTHER FOODS.
Claims use since Nov. 9, 1929.

Reg. No. 286,124. Registered Aug. 18, 1931. A. C. LEGG PACKING COMPANY, INC., Birmingham, Ala., a corporation of Alabama. Republished by registrant.



The drawing is lined to indicate the colors red and yellow.
FOR SEASONING FOR SAUSAGES, MEATS, OR OTHER FOODS.
Claims use since Sept. 25, 1927.

Reg. No. 288,488. Registered Oct. 27, 1931. WORCESTER SALT COMPANY, New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

UNIVERSAL

FOR SALT.
Claims use since about June 15, 1915.

Reg. No. 291,110. Registered Jan. 26, 1932. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

FREE WHEELING

FOR CANDY AND LICORICE.
Claims use since about Sept. 1, 1931.

Reg. No. 291,205. Registered Feb. 2, 1932. R. U. DELAPENHA & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.



The word "Brand" is disclaimed.
FOR PREPARED FOODS—NAMELY, CANNED SARDINES.
Claims use since October 1913.

Reg. No. 297,951. Registered Oct. 4, 1932. FREIHOFER BAKING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Thrifty Twins

FOR BREADS, CAKES, BUNS, MUFFINS, DOUGHNUTS, AND CRULLERS.
Claims use since Apr. 27, 1931.

Reg. No. 298,137. Registered Oct. 11, 1932. MARS, INCORPORATED, Chicago, Ill. Republished by Mars, Incorporated, Chicago, Ill., a corporation of Delaware.

Milky Way Whole Eggs

The words "Whole Eggs" are disclaimed apart from the mark as shown.
FOR WHOLE EGGS.
Claims use since Jan. 2, 1932.

Reg. No. 298,138. Registered Oct. 11, 1932. MARS, INCORPORATED, Chicago, Ill. Republished by Mars, Incorporated, Chicago, Ill., a corporation of Delaware.

Milky Way Egg Whites

The words "Egg Whites" are disclaimed apart from the mark as shown.
FOR EGG WHITES.
Claims use since Jan. 2, 1932.

Reg. No. 298,139. Registered Oct. 11, 1932. MARS, INCORPORATED, Chicago, Ill. Republished by Mars, Incorporated, Chicago, Ill., a corporation of Delaware.

Milky Way Egg Yolks

The words "Egg Yolks" are disclaimed apart from the mark as shown.
FOR EGG YOLKS.
Claims use since Jan. 2, 1932.

Reg. No. 298,995. Registered Nov. 15, 1932. MARS, INCORPORATED, Chicago, Ill. Republished by Mars, Incorporated, Chicago, Ill., a corporation of Delaware.



FOR CANDY.
Claims use since May 1, 1932.

Reg. No. 303,773. Registered June 6, 1933. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

GEM

FOR DRIED CURRANTS.
Claims use since Nov. 1, 1892.

Reg. No. 304,055. Registered June 20, 1933. MARS, INCORPORATED, Chicago, Ill. Republished by Mars, Incorporated, Chicago, Ill., a corporation of Delaware.

MARS

FOR CANDY.
Claims use since May 1, 1932.

Reg. No. 306,421. Registered Sept. 19, 1933. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

OFFICIAL

FOR WHEAT FLOUR.
Claims use since Apr. 7, 1933.

Reg. No. 307,085. Registered Oct. 17, 1933. JOHN B. HARDWICKE, doing business as John B. Hardwicke Co., Corpus Christi, Tex. Republished by John B. Hardwicke Co., Corpus Christi, Tex., a co-partnership.

BRAHMA

FOR FRESH VEGETABLES, FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS.
Claims use since Sept. 8, 1932.

Reg. No. 307,758. Registered Oct. 31, 1933. ROMANOFF CAVIAR COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



The words "Brand" and "NKPA" are disclaimed apart from the mark as shown.
FOR IMPORTED RUSSIAN STURGEON CAVIAR.
Claims use since 1906.

Reg. No. 308,303. Registered Nov. 28, 1933. WHITTIER SELECT CITRUS ASSOCIATION, Whittier, Calif., a corporation of California. Republished by registrant.

BLUE W

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 14, 1914.

Reg. No. 308,306. Registered Nov. 28, 1933. WHITTIER SELECT CITRUS ASSOCIATION, Whittier, Calif., a corporation of California. Republished by registrant.

GOLDEN W

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 14, 1914.

Reg. No. 308,958. Registered Dec. 26, 1933. MARS, INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Mars ALMONETS

FOR CANDY.
Claims use since June 1, 1933.

Reg. No. 309,382. Registered Jan. 9, 1934. WHITTIER SELECT CITRUS ASSOCIATION, Whittier, Calif., a corporation of California. Republished by registrant.



The representation of the oranges is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since May 8, 1929.

Reg. No. 312,415. Registered Apr. 24, 1934. WHITTIER SELECT CITRUS ASSOCIATION, Whittier, Calif., a corporation of California. Republished by registrant.

"Atta Boy"

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 25, 1922.

Reg. No. 316,733. Registered Sept. 4, 1934. MARS, INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.

A Mars Confection Two Bits 5¢

The words "Confection" and the character "5¢" are disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since Feb. 21, 1934.

Reg. No. 322,903. Registered Mar. 26, 1935. CORONA CITRUS ASSOCIATION, Corona, Calif., a corporation of California. Republished by registrant.

Corona Cooler

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 16, 1934.

Reg. No. 337,299. Registered Aug. 4, 1936. HALES & HUNTER CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



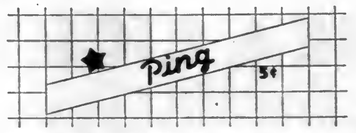
FOR HORSE AND CATTLE FEED.
Claims use since June 1, 1910.

Reg. No. 343,146. Registered Feb. 9, 1937. MARS INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.



FOR CANDY.
Claims use since Sept. 23, 1936.

Reg. No. 351,130. Registered Oct. 19, 1937. MARS, INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The words or charactera "5¢" are disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since May 10, 1937.

Reg. No. 352,245. Registered Nov. 23, 1937. CENTRAL POPCORN COMPANY, Schaller, Iowa. Republished by Central Popcorn Company, Schaller, Iowa, a corporation of Iowa.

BANG-O

FOR POPCORN IN ITS NATURAL STATE.
Claims use since May 4, 1937.

Reg. No. 353,272. Registered Dec. 28, 1937. CARPINTERIA MUTUAL CITRUS ASSOCIATION, Carpinteria, Calif., a corporation of California. Republished by registrant.

MARINER

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 16, 1937.

Reg. No. 353,396. Registered Jan. 4, 1938. CARPINTERIA MUTUAL CITRUS ASSOCIATION, Carpinteria, Calif., a corporation of California. Republished by registrant.

SEA TREAT

FOR FRESH CITRUS FRUIT.
Claims use since Aug. 16, 1937.

Reg. No. 353,936. Registered Jan. 25, 1938. MARS INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The words "Butter Creams," and also the words or characters "5¢" are disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since Apr. 21, 1937.

Reg. No. 355,204. Registered Mar. 8, 1938. CARPINTERIA MUTUAL CITRUS ASSOCIATION, Carpinteria, Calif., a corporation of California. Republished by registrant.

SEA LIGHT

FOR LEMONS.
Claims use since Feb. 27, 1931.

Reg. No. 356,117. Registered Apr. 12, 1938. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

DEBS

FOR LICORICE CANDY.
Claims use since Apr. 29, 1937.

Reg. No. 357,600. Registered June 7, 1938. MARS, INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.

BUCK-A-ROO

FOR CANDY.
Claims use since Jan. 20, 1938.

Reg. No. 358,283. Registered July 5, 1938. BRADENS CALIFORNIA PRODUCTS, INC., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TABLE TREASURES

FOR PRESERVED FOODS, PARTICULARLY FRUITS AND FRUIT PRESERVES IN CANS AND JARS.
Claims use since about Jan. 28, 1938.

Reg. No. 359,280. Registered Aug. 9, 1938. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

"Glyza"

FOR LICORICE CANDY.
Claims use since May 7, 1936.

Reg. No. 360,071. Registered Sept. 6, 1938. WARD DANIELS, Fillmore, Calif. Republished by registrant, present address Montalvo, Calif.

SILVER CRAFT

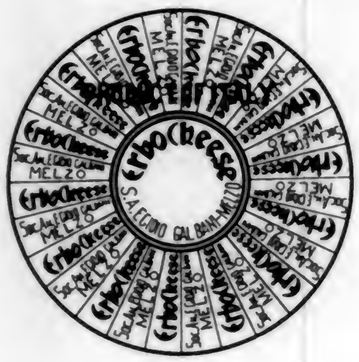
FOR FRESH CITRUS FRUIT.
Claims use since Mar. 3, 1938.

Reg. No. 372,067. Registered Oct. 24, 1939. SOC. AN. EGIDIO GALBANI, Melzo, Milan, Italy. Republished by Bel Paese Sales Co. Inc., New York, N. Y., a corporation of New York.

"ERBO CHEESE,,

All the wording except "Erbo" is disclaimed apart from the mark as shown.
FOR CHEESE.
Claims use since Mar. 23, 1937.

Reg. No. 372,068. Registered Oct. 24, 1939. Soc. AN. EGIDIO GALBANI, Melzo, Milan, Italy. Republished by Bel Paese Sales Co. Inc., New York, N. Y., a corporation of New York.



All the wording except "Erbo" and applicant's name is disclaimed apart from the mark as shown.
FOR CHEESE.
Claims use since Mar. 23, 1937.

Reg. No. 374,411. Registered Jan. 9, 1940. ELDERWOOD CITRUS ASSOCIATION, Woodlake, Calif., a corporation of California. Republished by registrant.

REGULAR

FOR FRESH CITRUS FRUITS.
Claims use since 1922.

Reg. No. 375,791. Registered Feb. 27, 1940. SEQUOIA CITRUS ASSOCIATION, Lemon Cove, Calif., a corporation of California. Republished by registrant.

TREE TOP

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 5, 1939.

Reg. No. 376,122. Registered Mar. 12, 1940. GEORGE B. VROOMAN, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

TUXY

FOR TOMATO JUICE, SPAGHETTI SAUCE, JELLIES, PICKLES, PICKLED CUCUMBERS, CANNED VEGETABLES, CANNED FRUITS, VINEGAR, AND SALT, CANNED CITRUS JUICES FOR FOOD PURPOSES, STRAWBERRY PRESERVES, APRICOT PRESERVES, PEACH PRESERVES, GRAPE PRESERVES, ORANGE MARMALADE, APPLE BUTTER, PICKLE RELISH SPREAD AND CEREAL BREAKFAST FOOD MADE FROM GRAIN, SUCH AS BUCKWHEAT, BARLEY, RICE, AND MILLET.
Claims use since January 1937.

Reg. No. 377,211. Registered Apr. 23, 1940. MARS INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Dr. I. Q.

FOR CANDY.
Claims use since Nov. 28, 1939.

Reg. No. 383,049. Registered Nov. 19, 1940. H. F. PELPHREY & SON, Los Angeles, Calif., a firm. Republished by registrant.

Pel-Freez

FOR QUICK FROZEN CALIFORNIA DOMESTIC RABBIT.
Claims use since Oct. 27, 1939.

Reg. No. 390,287. Registered Sept. 16, 1941. ROMANOFF CAVIAR COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

Romets

FOR BOUILLON CUBES.
Claims use since Feb. 10, 1941.

Reg. No. 394,365. Registered Mar. 31, 1942. SARDAMACK FISHERIES, INC., Wilmington, Calif. Republished by Pan-Pacific Fisheries, Inc., Wilmington, Calif., a corporation of California.

SWEEPSTAKES

FOR CANNED FISH.
Claims use since Nov. 17, 1941.

Reg. No. 394,956. Registered May 5, 1942. SEQUOIA CITRUS ASSOCIATION, Lemon Cove, Calif., a corporation of California. Republished by registrant.

TWIN TREE

The drawing is lined for shading only.
FOR FRESH CITRUS FRUITS.
Claims use since Jan. 1, 1941.

Reg. No. 400,227. Registered Feb. 23, 1943. SOUTHERN FOOD STORES, INC., Miami, Fla., now by change of name Margaret Ann Super Markets, Inc. Republished by Margaret Ann Super Markets, Inc., Miami, Fla., a corporation of Florida.

MARGARET ANN

FOR CANNED PORK AND BEANS, COFFEE, FOOD FLAVORING EXTRACTS, AND MINCEMEAT.
Claims use since February 1940.

Reg. No. 411,310. Registered Jan. 9, 1945. ESCALON PACKERS, INC., Escalon, Calif., a corporation of California. Republished by registrant.

CAL-NIA

FOR CANNED FRUITS.
Claims use since June 1944.

Reg. No. 411,526. Registered Jan. 23, 1945. TOBIN PACKING CO., INC., Fort Dodge, Iowa, a corporation of Delaware. Republished by registrant, present address Rochester, N. Y., and Fort Dodge, Iowa.

TOBIN'S TRIPLE TREAT

The name "Tobin's" is disclaimed apart from the mark as shown.

FOR LIVESTOCK AND POULTRY FEEDS—NAMELY, TANKAGE, MEAT SCRAPS, AND PIG MEAL.

Claims use since on or about Jan. 5, 1942.

Reg. No. 412,294. Registered Feb. 27, 1945. ESCALON PACKERS, INC., Escalon, Calif., a corporation of California. Republished by registrant.

DORA

FOR CANNED FRUITS.

Claims use since June 1944.

Reg. No. 412,319. Registered Feb. 27, 1945. MARS, INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.

TORRID ZONE

FOR CANDY BARS.

Claims use since Aug. 25, 1944.

Reg. No. 414,933. Registered July 3, 1945. MARS, INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.

TORRID ZONE

VANILLA

The word "Vanilla" is disclaimed apart from the mark as shown.

FOR CANDY BARS.

Claims use since Dec. 6, 1944.

Reg. No. 417,301. Registered Oct. 23, 1945. ESCALON PACKERS, INC., Escalon, Calif., a corporation of California. Republished by registrant.

6 IN 1

FOR TOMATO PASTE.

Claims use since Oct. 10, 1944.

Reg. No. 417,505. Registered Oct. 30, 1945. OROSI FOOTHILL CITRUS ASSOCIATION, Orosi, Calif., a corporation of California. Republished by registrant.

TOM CAT

FOR FRESH CITRUS FRUITS.

Claims use since Aug. 1, 1922.

Reg. No. 417,559. Registered Oct. 30, 1945. SCIENTROL, INC., Shawano, Wis., a corporation of Wisconsin. Republished by registrant.

Scientrol

FOR EVAPORATED MILK.

Claims use since Jan. 15, 1945.

Reg. No. 417,616. Registered Nov. 6, 1945. ROMANOFF CAVIAR COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

ROMAR

FOR POWDERED GRAVY MIX, POWDERED SOUP MIXES, GRANULATED BOUILLON CUBES, AND CAVIAR.

Claims use since Jan. 7, 1938.

Reg. No. 419,524. Registered Feb. 19, 1946. MIDLAND COOPERATIVE DAIRY ASS'N., Shawano, Wis., a corporation of Wisconsin. Republished by registrant.

R and E

FOR EVAPORATED MILK.

Claims use since July 13, 1945.

Reg. No. 421,940. Registered June 25, 1946. ESCALON PACKERS, INC., Escalon, Calif., a corporation of California. Republished by registrant.

MERCATO

FOR CANNED FRUITS, CANNED VEGETABLES, AND TOMATO PASTE.

Claims use since October 1944.

Reg. No. 425,804. Registered Dec. 3, 1946. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

A-M

FOR BREAKFAST CEREALS.

Claims use since July 23, 1945.

Reg. No. 432,085. Registered Aug. 19, 1947. ROSE VALLEY PRODUCE COMPANY, Woodland, Calif., a copartnership. Republished by registrant.

PONY BOY

FOR FRESH DECIDUOUS FRUITS, FRESH VEGETABLES AND FRESH MELONS.

Claims use since June 1934.

Reg. No. 432,235. Registered Aug. 26, 1947. ROSE VALLEY PRODUCE COMPANY, Woodland, Calif., a copartnership. Republished by registrant.

ROSY DAWN

FOR FRESH DECIDUOUS FRUITS, FRESH VEGETABLES AND FRESH MELONS.

Claims use since Jan. 15, 1936.

Reg. No. 433,672. Registered Oct. 28, 1947. BRUCE VARNEY, doing business as Caro-Green Laboratories, Kansas City, Mo., assignor to Caro-Green, Inc. Republished by Caro-Green, Inc., Kansas City, Mo., a corporation of Missouri.

CARO-GREEN

The word "Green" is disclaimed apart from the mark as shown.

FOR ANIMAL AND POULTRY FOODS—NAMELY, DEHYDRATED GREENS AND FORAGE CROPS FOR CATTLE, HOGS, HORSES, SHEEP, CHICKENS, DUCKS, TURKEYS, GUINEAS AND THE LIKE.

Claims use since Mar. 7, 1945.

Reg. No. 434,002. Registered Nov. 4, 1947. CARO-GREEN, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

SUN-DRATED

The drawing is lined to indicate orange and green. The representation of alfalfa is disclaimed apart from the mark as shown.

FOR ANIMAL AND POULTRY FOODS—NAMELY, ALFALFA MEAL FOR CATTLE, HOGS, HORSES, SHEEP, CHICKENS, DUCKS, TURKEYS, GUINEAS, AND THE LIKE.

Claims use since May 21, 1946.

Reg. No. 434,052. Registered Nov. 4, 1947. DORSET FOODS, LTD., Long Island City, N. Y., a corporation of New York. Republished by registrant.

CHICKTAIL

FOR FOOD BEVERAGE CONSISTING OF CHICKEN BROTH, WINE, FLAVORING FROM FRESH VEGETABLES, SALT AND SPICES.

Claims use since Dec. 26, 1946.

CLASS 47

WINES

Reg. No. 91,703. Registered May 20, 1913. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

ARMADA

Sandeman Bucktop

FOR SHERRY WINE.

Claims use since Oct. 25, 1912.

Reg. No. 316,340. Registered Aug. 21, 1934. COMPANHIA GERAL DA AGRICULTURA DAS VINHAS DO ALTO DOURO, doing business as Royal Oporto Wine Company, Oporto, Portugal, a limited-liability company of Portugal. Republished by registrant.

COMPANHIA VELHA

FOR WINES.

Claims use since Nov. 23, 1928.

Reg. No. 328,081. Registered Sept. 17, 1935. COMPANHIA GERAL DA AGRICULTURA DAS VINHAS DO ALTO DOURO, doing business as Royal Oporto Wine Company, Oporto, Portugal, a limited-liability company of Portugal. Republished by registrant.

The Old Company
A COMPANHIA VELHA

FOR WINES.
Claims use since Dec. 5, 1931.

Reg. No. 338,236. Registered Sept. 1, 1936. COMPANHIA GERAL DA AGRICULTURA DAS VINHAS DO ALTO DOURO, doing business as Royal Oporto Wine Company, Oporto, Portugal, a limited-liability company of Portugal. Republished by registrant.

ROYAL OPORTO WINE COMPANY.

The words "Oporto Wine Company" are disclaimed apart from the mark as shown.
FOR WINES.
Claims use since May 31, 1932.

Reg. No. 352,820. Registered Dec. 14, 1937. SUPREME WINE CO., INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SW

FOR WINES.
Claims use since January 1935.

Reg. No. 395,601. Registered June 2, 1942. NAPA & SONOMA WINE CO., San Francisco, Calif. Republished by California Cellars, San Francisco, Calif., a corporation of California.

GOLDEN POPPY

FOR WINES.
Claims use since 1910.

Reg. No. 397,354. Registered Sept. 1, 1942. HIPOLITO SANCHEZ, Cucamonga, Calif. Republished by registrant.

CUCAMONGA BEAUTY

The word "Cucamonga" is disclaimed apart from the mark as shown.
FOR WINES.
Claims use since Mar. 1, 1942.

Reg. No. 406,223. Registered Mar. 14, 1944. SCHENLEY IMPORT CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Aurora

FOR WINES.
Claims use since 1893.

Reg. No. 408,761. Registered Aug. 29, 1944. R. U. DELAPENHA & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Devonshire Cream

The word "Devonshire" is disclaimed apart from the mark as shown.
FOR SHERRY.
Claims use since Oct. 19, 1943.

Reg. No. 421,420. Registered June 4, 1946. CREST VIEW WINERY, INC., Fresno, Calif., a corporation of California. Republished by registrant.

Crestview

FOR WINES.
Claims use since July 12, 1944.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 63,050. Registered June 4, 1907. JOHN ROBERTSON & SON, LIMITED, Dundee, Scotland, a limited liability company of Great Britain. Republished by registrant, present address Leith, Scotland.

J R D

FOR SCOTCH WHISKY.
Claims use since Mar. 15, 1877.

Reg. No. 73,476. Registered Apr. 20, 1909. MITCHELL BROTHERS LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

HEATHER DEW.

FOR BLENDED SCOTCH WHISKIES.
Claims use since about 1879.

Reg. No. 90,561. Registered Mar. 4, 1913. MITCHELL BROTHERS LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.



FOR BLENDED WHISKY.
Claims use since about June 1880.

Reg. No. 303,740. Registered June 6, 1933. JAMES BUCHANAN & CO. LIMITED, London, England, a company organized unnder the laws of Great Britain. Republished by registrant.

BUCHANAN'S

FOR WHISKY.
Claims use since 1880.

Reg. No. 312,961. Registered May 15, 1934. JOHN HOPKINS & CO. LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

GLEN GARRY
OLD SCOTCH WHISKEY
SOLE AGENTS,
JOHN HOPKINS & Co., LONDON.

The words "Old Scotch Whiskey," "Sole Agent," and "London" are disclaimed apart from the mark as shown.
FOR WHISKY.
Claims use since 1878.

Reg. No. 313,015. Registered May 15, 1934. WRIGHT & GREIG LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

WRIGHT & GREIG LTD.
DISTILLED AND BOTTLED IN SCOTLAND
TRADE MARK
RODERICK DHU
OLD
SCOTCH WHISKY.
GLASGOW LONDON MANCHESTER & LIVERPOOL
Sole Proprietors - BALLAT DHU DISTILLERY PC FORBES N B

No claim is made to the wording with the exceptiion of "Roderick Dhu" and applicant's name, nor to the device of a red seal.
FOR SCOTCH WHISKY.
Claims use since July 16, 1884.

Reg. No. 313,400. Registered May 29, 1934. DANIEL CRAWFORD & SON LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

ESTD 1850
Daniel Crawford's
OLD MATURED
Scotch Whisky
DISTILLED BLENDED AND BOTTLED IN SCOTLAND
Daniel Crawford & Sons Ltd
GLASGOW

The words "Old Matured Scotch Whisky Distilled, Blended and Bottled in Scotland" and "Glasgow" are disclaimed apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since Dec. 30, 1926.

Reg. No. 313,425. Registered May 29, 1934. MITCHELL BROTHERS LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

GREYBEARD

FOR WHISKY.
Claims use since 1891.

Reg. No. 314,055. Registered June 19, 1934. WRIGHT & GREIG LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

SPECIAL OLD SCOTCH WHISKY
PREMIER

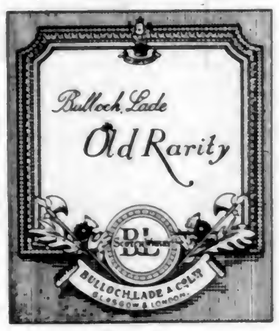
All wording is disclaimed apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since Jan. 13, 1912.

Reg. No. 317,156. Registered Sept. 18, 1934. JOHN & ROST. HARVEY & COMPANY LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.



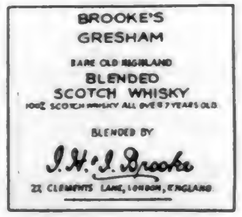
The words "Scotch Whisky," "Sole Proprietors," and "Glasgow" are disclaimed apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since Dec. 4, 1924.

Reg. No. 320,177. Registered Dec. 18, 1934. BULLOCH LADE & CO. LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.



The words "Scotch Whisky," "Glasgow" and "London" are disclaimed apart from the mark as shown.
FOR WHISKY.
Claims use since 1925.

Reg. No. 341,075. Registered Dec. 1, 1936. J. H. & J. BROOKE LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



All the notations on the drawing are disclaimed except "Brooke's," "Gresham," and "J. H. & J. Brooke."
FOR SCOTCH WHISKY.
Claims use since December 1933.

Reg. No. 341,076. Registered Dec. 1, 1936. J. H. & J. BROOKE LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

J. H. & J. Brooke

FOR WHISKY, RUM, GIN, AND BRANDY.
Claims use since at least the year 1900.

Reg. No. 343,391. Registered Feb. 16, 1937. WHITE, KEELING (RUM) LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



The words "Rum" and "London" are disclaimed apart from the mark as shown.
FOR RUM.
Claims use since Dec. 20, 1876.

Reg. No. 346,426. Registered May 25, 1937. WILLIAM GRANT & SONS LIMITED, Dufftown, Scotland, a limited liability company of Great Britain. Republished by registrant, present addresses Glasgow and Dufftown, Scotland.

GRANT'S

FOR BLENDED SCOTCH WHISKY (IN BOTTLES ONLY).
Claims use since 1887.

Reg. No. 347,489. Registered June 29, 1937. FINDLATER MACKIE TODD & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



FOR SCOTCH WHISKY.
Claims use since at least Feb. 20, 1895.

Reg. No. 363,448. Registered Dec. 27, 1938. SACCONE, SPEED & JENNEY, INC., New York, N. Y. Republished by Mount Gay Distilleries, Ltd., Bridgetown, Barbados, British West Indies, a corporation of the Island of Barbados.



The map of the island of Barbados is disclaimed apart from the mark as shown.
FOR RUM.
Claims use since November 1936.

Reg. No. 369,476. Registered July 25, 1939. WILLIAM GREER & CO. LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.



The outline of the label and all the wording except "Greer's," "O.V. H" and "Wm. Greer & Co." are disclaimed apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since 1890.

Reg. No. 380,009. Registered Aug. 6, 1940. THE SPEYBURN-GLENLIVET DISTILLERY CO. LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

SPEYBURN

FOR SCOTCH WHISKY.
Claims use since Dec. 30, 1899.

Reg. No. 389,969. Registered Sept. 2, 1941. JOHN ROBERTSON & SON LIMITED, Dundee, Scotland, a limited liability company of Great Britain. Republished by registrant, present address Leith, Scotland.

ROBERTSON'S
J. R. D.
YELLOW LABEL
Choice Liqueur
SCOTCH WHISKY
BLENDED AND BOTTLED BY
JOHN ROBERTSON & SON LTD
DUNDEE. Scotland

No claim is made to a yellow colored label per se or to the words "Robertson's," "Choice Liqueur Scotch Whisky," "Blended and Bottled by John Robertson & Son Ltd., Dundee, Scotland" apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since Feb. 28, 1911.

Reg. No. 396,809. Registered Aug. 4, 1942. NAPA & SONOMA WINE CO., San Francisco, Calif. Republished by California Cellars, San Francisco, Calif., a corporation of California.



The letters "V. S. P." and the word "Sonoma" are disclaimed apart from the mark as shown.
FOR BRANDY.
Claims use since Jan. 2, 1942.

Reg. No. 403,827. Registered Oct. 19, 1943. R. U. DELAPENHA & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Kirschwasser
Rathaus

The word "Kirschwasser" is disclaimed apart from the mark as shown.
FOR BRANDY.
Claims use since Nov. 24, 1942.

Reg. No. 411,821. Registered Feb. 6, 1945. W. A. HALLER COMPANY, INC., Pittsburgh and Philadelphia, Pa. Republished by W. A. Haller Corporation, Philadelphia, Pa., a corporation of Delaware.

CONESTOGA

FOR POTABLE DISTILLED SPIRITUOUS BEVERAGES—NAMELY, WHISKEY.

Claims use since May 26, 1943.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 434,158. Registered Nov. 11, 1947. WEYMOUTH ART LEATHER COMPANY, South Braintree, Mass., a corporation of Massachusetts. Republished by registrant.

WEYMOLITE

FOR COATED CLOTH RESEMBLING ARTIFICIAL LEATHER.

Claims use since Jan. 2, 1946.

REISSUES

DECEMBER 21, 1948

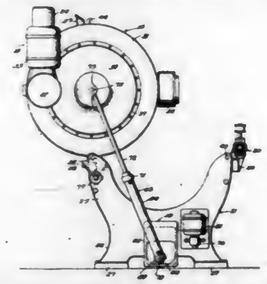
23,065

WASHING MACHINE WITH PIVOTALLY SUPPORTED OUTER AND INNER SHELLS AND POWER MEANS ON THE OUTER SHELL FOR ROTATING THE INNER SHELL

Hubert C. Ellis, Evanston, Ill., assignor to The Ellis Drier Co., Chicago, Ill., a corporation of Illinois

Original No. 2,436,883, dated March 2, 1948, Serial No. 565,234, November 27, 1944. Application for reissue October 8, 1948, Serial No. 53,402

16 Claims. (Cl. 68—140)



1. A washing machine of the character described, comprising a supporting structure, an outer shell having an access opening therein and provided with means whereby it is mounted on the supporting structure so that it is capable of being moved bodily back and forth between a normal operating position wherein the access opening faces upwards and a discharging position wherein the access opening faces downwards, an inner shell within the outer shell provided with a door closed access opening, adapted to hold the articles to be washed and supported so that it is rotatable relatively to the outer shell, and power mechanism for rotating the inner shell, mounted entirely on, and movable bodily with, said outer shell.

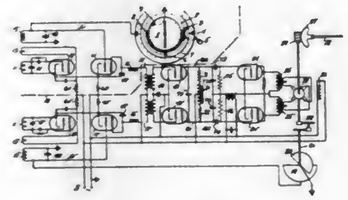
23,066

ELECTRICAL CONTROL SYSTEM

Francis L. Moseley, Chevy Chase, Md., assignor to The Sperry Corporation, a corporation of Delaware

Original No. 2,126,910, dated August 16, 1938, Serial No. 27,471, June 20, 1935. Application for reissue July 23, 1940, Serial No. 347,045

23 Claims. (Cl. 318—489)

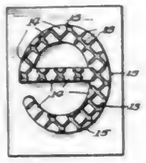


22. An automatic control system for dirigible craft comprising a control surface, a servomotor for operating said surface, a reference device for providing a reference for craft attitude control about a given axis thereof, means for producing a unidirectional signal voltage proportional to displacement of said craft about said axis relative to said reference, a series connected resistance-capacitance circuit to which said signal voltage is applied, said circuit having such values of resistance and capacitance as to develop a voltage across said resistance substantially proportional to a first time derivative of the signal voltage supplied thereto, amplifier means having its output connected in controlling relation to said servomotor, and means connecting said resistance in circuit with said amplifier means to supply the derivative voltage developed across said resistance in controlling relation to said amplifier means.

PATENTS

GRANTED DECEMBER 21, 1948

2,456,608
TYPE FOR GRAVURE PRINTING
Harley C. Alger, Chicago, Ill.
Substituted for application Serial No. 69,005, March 16, 1936. This application October 24, 1942, Serial No. 463,232
2 Claims. (Cl. 101—399)



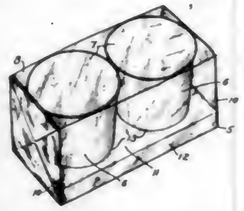
1. A relief type member having a flat printing surface consisting of continuous peripheral walls and a plurality of protuberances more or less uniformly distributed throughout the area bounded by said walls, each protuberance being on the order of from one one-hundredth to two one-hundredths of an inch in width and being separated from adjacent protuberances by a groove substantially narrower than the minimum printing surface dimension of the protuberance, said groove being narrowed and pointed at the ends near the periphery of the member and said walls being substantially thinner than said dimension said flat printing surface being adapted to transfer ink from its walls and protuberances while printing and to leave bare the areas corresponding to said grooves.

2,456,609
WELDING ELECTRODES
William Andrews, Gateshead-on-Tyne, England, assignor to Metal and Thermit Corporation, New York, N. Y.
No Drawing. Application January 18, 1946, Serial No. 642,117. In Great Britain February 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 14, 1964
10 Claims. (Cl. 219—8)

1. A flux-coated non-ferrous welding electrode for welding non-ferrous metals such as aluminum, copper, nickel, alloys of the foregoing, and nickel-chromium stainless steel, in which the flux coating is made from (1) 15 to 35% by weight of a paste hereinafter described and (2) the balance a mixture of halides of lithium, sodium, potassium, and magnesium, said halides being selected from the class consisting of chlorides and fluorides, said paste comprising 15 to 25% by weight of water, 35 to 45% by weight of sodium chloride, and 30 to 40% by weight of a synthetic colloidal cryolite obtained by the double decomposition of aluminum chloride and a fluoride of an alkali metal selected from the class consisting of sodium and lithium in the presence of water, the amounts of the paste ingredients being based upon the paste, and said flux coating having been dried on the electrode.

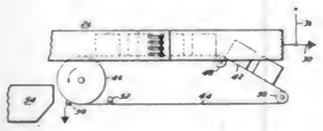
2,456,610
PACKAGE ASSEMBLY
James A. Baker, Shorewood, Wis., assignor to Milprint, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 2, 1945, Serial No. 602,821
4 Claims. (Cl. 206—45.33)

2. A package assembly comprising, a unitary cardboard blank having a base provided with



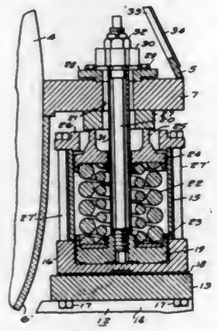
hingedly connected opposite end walls and with a deck having one edge hingedly connected to the adjacent edge of said base by a spacer wall and provided along its opposite edge with a spacer flap, said deck having therein receptacle positioning openings and said blank being foldable to cause said spacer wall and flap to position said deck a definite distance above said base and said end walls being thereafter foldable upwardly against the opposite ends of the deck, receptacles having their lower ends resting directly upon said base and confined within said deck openings while their upper ends lie substantially flush with the upper edges of said walls, and a transparent wrapper coacting with said base and walls and with the tops of said receptacles to provide a prismatic enclosure for the receptacles.

2,456,611
HIGH-FREQUENCY DIELECTRIC HEATING APPARATUS
Robert M. Baker, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 28, 1944, Serial No. 556,141
1 Claim. (Cl. 219—47)



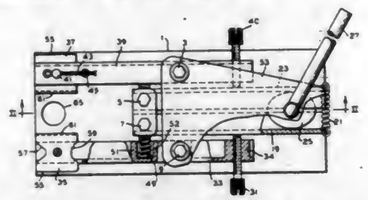
Dielectric heating apparatus for the high-frequency heating of dielectric material, comprising, in combination, high frequency power generating and transmitting means comprising a plurality of spaced substantially parallel elongated upstanding plate-like conductors and connections to said conductors for providing a standing-wave voltage pattern lengthwise thereon during operation of said means, said pattern having a pair of spaced points at substantially ground potential, and conveyor means having a material-carrying run having a horizontal portion arranged to move said material horizontally lengthwise between said conductors, and portions at the ends of said horizontal portion arranged to carry the material into and out of the space between said conductors substantially at said points.

2,456,612
DYNAMOELECTRIC MACHINE
René A. Baudry, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1947, Serial No. 755,697
6 Claims. (Cl. 171—252)



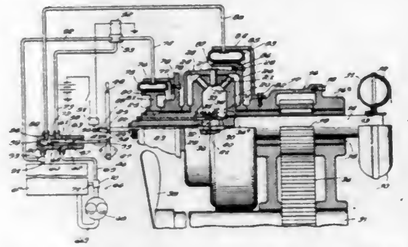
1. A dynamo-electric machine having a stator member and a rotor member, stationary supporting means for said machine, spring means for mounting the stator member on said supporting means to permit limited movement of the stator member relative to the supporting means, and guide means for restricting movement of the stator member to rotary movement.

2,456,613
QUICKLY ADJUSTABLE CLAMPING VISE
Anthony A. Archambault, Canton, Mass.
Application July 13, 1945, Serial No. 604,948
3 Claims. (Cl. 81—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An adjustable vise comprising a base, a pair of jaws, means for operating said jaws toward and away from each other comprising a pair of levers disposed substantially parallel to each other and pivoted at one end to said base, a cam disposed between said levers for swinging said levers in opposite directions when said cam is rotated, a tension spring connected between the unpivoted ends of said levers whereby said levers are maintained in contact with said cam, a pair of members on which said jaws are mounted, said members being pivotally mounted on said base and disposed substantially parallel to and oppositely of said levers, said members being operated by said levers to open and close said jaws, means for continuous adjustment of the angular relation of said members with respect to said levers, and a pair of springs adapted to maintain said members in engagement with said levers through said last mentioned means.

2,456,614
MARINE REVERSING GEAR
Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application September 30, 1943, Serial No. 504,385
7 Claims. (Cl. 74—297)

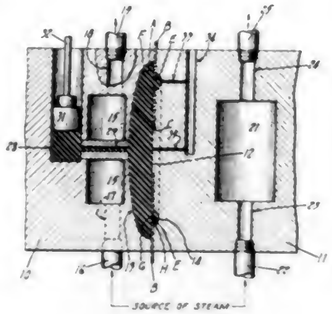


1. In a drive mechanism, in combination, a drive shaft, a driven shaft, and means drivingly connecting said shafts for rotation of said driven shaft in opposite directions from the drive shaft comprising a first gear journaled on said drive shaft, a second gear mounted on said drive shaft to rotate therewith, a planet gear having opposite sides engaging said gears, a carrier for said planet gear rotatably mounted with respect to said drive shaft, means including engageable clutch parts for drivingly engaging said drive shaft and said first gear to rotate said driven shaft in one direction, means responsive to separation of said clutch parts for stopping rotation of said drive and driven shafts, brake means appliable to constrain rotation of the carrier and thereby condition the driving means for rotating the driven shaft in the opposite direction, and means responsive to further separation of said clutch parts for applying said brake means.

2,456,615
METHOD OF MAKING VENT VALVES FOR CONTAINERS
Ralph M. Berglund, Seattle, Wash., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 23, 1944, Serial No. 550,744
3 Claims. (Cl. 18—59)

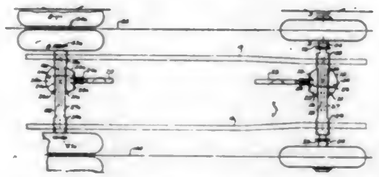
1. The method of molding and securing a member composed of yieldable material in position on opposite sides of a perforated can part having a vent opening therein to form a vent valve therefore, comprising interposing said can part between die members having opposed recesses therein communicating through the perforation in the can part, said recesses together corresponding in shape to the configuration of the completed vent valve, then forcing a yieldable extrudable material against said can part to fill the recess in one die member and thence through the can part perforation into the recess of the other die member to fill the recess therein and thus complete the molded formation of the valve member on opposite sides of the can part to cover the

vent opening in the latter, heating said die members during the described operations to facilitate the molding into shape and securing of the valve member to the can part, and then conditioning said member by deforming the can part adjacent



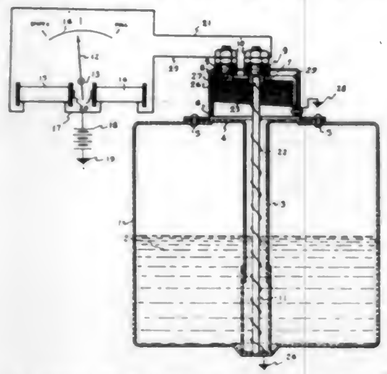
the vent opening so that the valve member will yield under a predetermined gas pressure to permit escape of such gas through the can end vent opening after said end has been secured to a can body filled with a gas generating product.

2,456,616
INTERCHANGEABLE FRONT AND REAR DRIVE AXLE
Lawrence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Original application January 6, 1943, Serial No. 471,494. Divided and this application March 19, 1945, Serial No. 583,548
4 Claims. (Cl. 180—71)



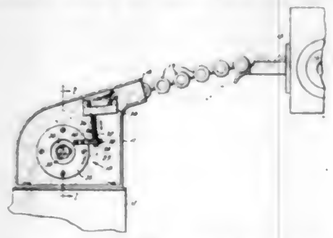
1. An interchangeable front and rear drive axle housing structure for a vehicle comprising an intermediate enlarged differential receiving portion and hollow axle housing arms extending in opposite directions from said differential receiving portion, a drive wheel assembly attachment flange at the outer end of each axle housing arm, said flanges being equidistant from the longitudinal vehicle center line, means for adapting said axle housing structure for interchangeable use as a front steer drive or rear non-steer drive axle housing without rotation of said housing structure in any direction, comprising substantially identical and parallel bolting faces surrounding aligned front and rear openings in said differential receiving portion for attachment thereto of a differential gear carrier or a closure bowl depending on whether the axle housing is used front or rear, and spring seats on the upper sides of said axle housing arms between said differential receiving portion and said attachment flanges, said spring seats having means for locating spring attachment means at different distances apart on the housing depending upon whether the axle housing is used for a front or rear drive axle.

2,456,617
LIQUID LEVEL INDICATOR
Lyndon W. Burch, Detroit, Mich.
Application July 30, 1943, Serial No. 496,697
5 Claims. (Cl. 73—304)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



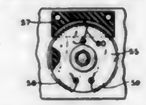
2. A liquid level indicator comprising, in combination with a receptacle, a cap mounted on said receptacle, an insulating rod extending from said cap vertically into said receptacle, a conductor supported along said rod and having a temperature coefficient of resistance, a coil mounted in said cap, two solenoids connected respectively to said conductor and said coil, a movable indicator mounted to be moved by said solenoids, and means for passing current through said conductor, coil and solenoids and connected to said solenoids in a manner to cause them to act oppositely on said indicator.

2,456,618
AMMUNITION BOOSTER CONTROL
Lionel S. Carless, Mountain View, N. J.
Application October 5, 1944, Serial No. 557,349
4 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



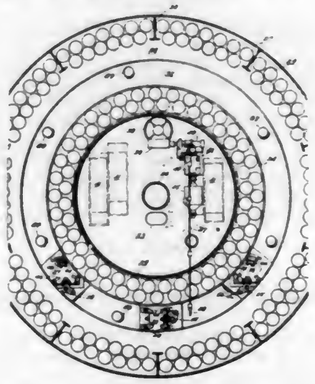
1. A booster for use in feeding a belt of ammunition to a machine gun, said booster comprising a sprocket whereon the belt travels, a motor and means rotative around the motor shaft and operatively connected with the sprocket to operate it so that said motor drives the sprocket enabling it to overrun the motor, a stationary support and bearing means whereby the motor is rotatably mounted in the support, means associated with said support for controlling the motor, said control means including a spring of predetermined loading, and means extending from the bearing means to actuate the spring-equipped control means and being resisted by said spring to normally retain the motor against reactive rotation, whereby, when a torque is applied by the motor to the sprocket for towing the belt a countertorque is set up in the motor and its bearing means, so as to overcome the spring and actuate the control means to cut out the motor whenever a predetermined torque load on the sprocket is reached.

2,456,619
GYROSCOPIC CONTROLLING MEANS
Robert S. Curry, Jr., Baldwin, Arthur W. Lane, Freeport, and Stephen E. Woodbury, Mineola, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application January 19, 1943, Serial No. 472,914
6 Claims. (Cl. 323—75)



5. An electrothermal pick-off comprising a first part having an electrical bridge with an electrically heated resistor having a center tap in a heat conducting quiescent fluid, and a second part movable relative to said first part comprising a heat loss reducing imperforate sheet that in a null position relative to the first part lessens heat loss to the fluid of equal areas of the resistors on the respective sides of the center tap.

2,456,620
AMMUNITION STOWAGE AND HANDLING
George A. Chadwick, Washington Grove, Md., and Philias H. Girouard, Washington, D. C.
Application July 30, 1941, Serial No. 404,676
12 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

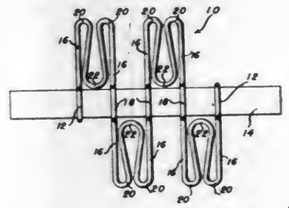


6. A system for stowing and handling large caliber projectiles for guns in rotatable turrets, comprising the combination with a rotatable turret of a plurality of projectile hoists carried by said turret to rotate therewith, a projectile rack disposed around said turret structure at each of two vertically superposed levels, means to secure projectiles individually on said racks, access means in each said hoist at each said level to admit projectiles from said stowage racks into such hoist, and power means to move projectiles between said racks and said hoists.

2,456,621
METHOD OF EXTRUDING POLYTETRAFLUOROETHYLENE AND COATING ARTICLES THEREWITH
Azro Jack Cheney, Jr., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 17, 1946, Serial No. 691,406
5 Claims. (Cl. 18—59)

5. Method of coating wire with polytetrafluoroethylene comprising prebaking finely divided tetrafluoroethylene polymer at a temperature of 300° C.–500° C., introducing substantially simultaneously said prebaked polymer at a temperature of 200° C.–300° C. and said wire into a die having an internal contour of substantially the size and shape of the desired finished article, and passing said polymer and wire through said die while simultaneously baking said polymer at a temperature above 327° C. but not in excess of 500° C. until sintered, thereby extruding the polymer from the die as a uniform, continuous and flexible coating concentrically surrounding said wire.

2,456,622
TOBACCO CLIP
Reid M. Clark, Stoneville, N. C.
Application March 20, 1946, Serial No. 655,815
1 Claim. (Cl. 294—5.5)

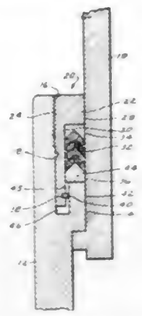


A device of the character described, comprising a clip made from a single strand of wire having end supporting yokes and intermediate supporting yokes and parallel portions having spring loops intermediate said portions extending at right angles from said yokes and formed in parallel planes therewith, but extending in opposed relation to each other on opposite sides of the yokes, and said yokes are made to conform to the support therefor, and said parallel portions are spaced from each other to permit circulation of air about articles suspended thereby.

2,456,623
HYDRAULIC CYLINDER AND PACKING HOLDER
William H. Cooper, Atlanta, Ga.
Application December 3, 1946, Serial No. 713,727
4 Claims. (Cl. 286—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A packing holder which comprises a cylindrical packing housing, an externally threaded portion at the upper end of said housing, a housing bore within said housing adapted to receive a hydraulic ram, a housing counterbore concentric with said housing bore extending upwardly from the underside of the housing adapted to slidably receive a packing consisting of packing rings and packing supporting rings, an annular groove in said housing counterbore considerably below

the lower end of said packing, and a spring snap ring in said annular groove; in combination with a hydraulic cylinder, a cylinder bore in said hydraulic cylinder adapted to slidably receive said hydraulic ram, a cylinder counterbore concentric with said cylinder bore extending downwardly from the upper side of said cylinder adapted to receive said housing, said cylinder counterbore extending to a considerably greater depth than the lower end of said housing, a hollow hub extending upwardly from the lower end of said cylinder counterbore to the underside of said



packing to support said packing, the external diameter of said hub being less than the internal diameter of said snap ring, internal threads at the upper end of said cylinder counterbore adapted to receive the external threads at the upper end of said housing, whereby, when the packing housing is screwed into the cylinder, the packing rings are compressed, and when the packing housing is unscrewed from the cylinder, the packing rings are withdrawn with the housing, and spanner slots for screwing said external housing threads into said internal cylinder threads.

2,456,624

SOLDERING AND TINNING FLUX

Thomas Brooks Crone, Tacoma, Wash.

No Drawing. Application December 15, 1944, Serial No. 568,401

1 Claim. (Cl. 148—25)

A non-evaporating soldering flux consisting of a saturated solution of metallic zinc in hydrochloric acid containing citronella oil and a saturated solution of sal ammoniac; the volumetric contents of said two saturated solutions being equal and the amount of citronella oil being in the proportion of about 1 ounce to each gallon of the hydrochloric acid solution.

2,456,625

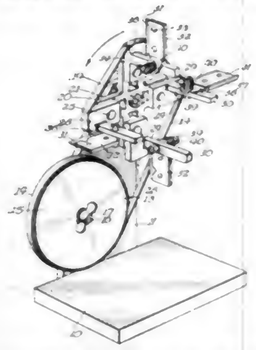
TAPE DISPENSING MECHANISM

Jasper F. Cullin, Detroit, Mich.; Helen A. Cullin administratrix of said Jasper F. Cullin, deceased, assignor, by mesne assignments, to Better Packages, Inc., New York, N. Y., a corporation

Application September 21, 1942, Serial No. 459,129

9 Claims. (Cl. 164—42)

1. Mechanism for dispensing adhesive tape from a roll comprising a rotatable wheel, means rotatable with the wheel and to which the adhesive face of the tape will adhere, for unwinding the tape from the roll, and a plurality of cutting devices rotatable with the wheel and manually and selectively shiftable for severing a strip from the tape adhering to the wheel, and means whereby the devices may be radially adjusted on the



wheel, for varying the length of the tape between them.

2,456,626

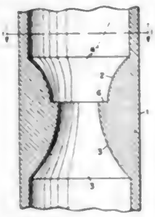
DEVICE FOR THE CONTROL OF FLOW OF FLUIDS

Henry Dahnke, Banning, Calif.

Application May 15, 1945, Serial No. 593,913

3 Claims. (Cl. 138—44)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A fluid flow governor comprising a Venturi tube for automatically restricting the flow of fluid upon increase of velocity of flow, said Venturi tube comprising two separate opposite portions abutting at the throat of the tube and having fluid passageways flaring outwardly from the throat of the tube, the outwardly flaring passageway of one of said portions being of smaller cross-sectional area than the other passageway at the throat of the tube whereby said portions form a right angle annular shoulder in the throat of the tube.

2,456,627

METHOD FOR MAKING POLYSILOXANE RESINS

Charles D. Doyle, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application November 21, 1945, Serial No. 630,137

4 Claims. (Cl. 260—46.5)

1. The process of making resinous polysiloxanes which comprises adding a mixture of hydrocarbon chlorosilanes having a hydrocarbon-to-silicon ratio greater than 1 and less than about 1.5 and containing a major portion of methyltrichlorosilane to a hydrolysis medium consisting of water and an ether solvent selected from the class consisting of bis (beta-ethoxyethyl) ether and ethylene glycol diethyl ether at a temperature above room temperature but not exceeding reflux temperatures during at least a major portion of the hydrolysis, the amount of water present in said medium being between 1 and 1.4 times the amount calculated as necessary to convert the chlorosilanes to the corresponding polysiloxanes.

2,456,628

CONDENSATION OF POLYMERIZED FURFURYL ALCOHOL WITH A HYDROXYBENZENE

Andrew P. Dunlop, Riverside, Ill., and Edward A. Reineck, Appleton, Wis., assignors to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey

No Drawing. Application August 21, 1944, Serial No. 550,491

8 Claims. (Cl. 260—47)

3. The process of producing a new thermosetting resin which consists in mixing resorcinol and a partial condensation-resinification product derived from the condensation of furfuryl alcohol with itself and condensing the aforesaid reactants under the influence of heat until the said resin is formed.

2,456,629

SOLUBLE AND INFUSIBLE SYNTHETIC RESINS AND METHOD OF PRODUCING THE SAME

Gilbert B. Gehrenbeck, White Bear Lake, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application January 15, 1942, Serial No. 426,896

6 Claims. (Cl. 260—22)

1. In the preparation of a synthetic resin product, the steps which comprise preparing a tung oil-maleic anhydride adduct, next esterifying said adduct with mannitol, and then reacting sulfuryl chloride with the resulting infusible gelatinous ester.

2,456,630

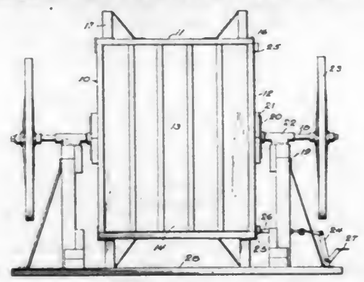
MILK TURNING MACHINE

John W. Gibler, United States Army, Mattoon, Ill.

Application October 10, 1945, Serial No. 621,644

5 Claims. (Cl. 259—57)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An inverting device comprising a receptacle adapted to receive a stack of articles, said receptacle having a pair of side walls, a pair of end walls and a back wall, the front of said receptacle being open, means on said side walls for supporting said receptacle in spaced relation from and close to the ground and for swinging said receptacle in an arc of 180°, a base member, and a stop on each of said end walls of said receptacle and extending outwardly therefrom laterally of the plane which is perpendicular to said end walls and which passes through the axis of rotation of said receptacle, to contact said base member upon completion of the swinging movement of said receptacle, whereby said articles may be conjointly inserted into, inverted in, and removed from said receptacle.

2,456,631

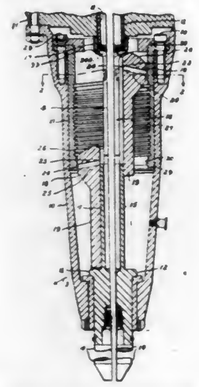
PERCUSSION TOOL

Rudolf Goldschmidt, Sheffield, England

Application March 19, 1946, Serial No. 655,632

In Great Britain March 22, 1945

14 Claims. (Cl. 125—33)



1. A percussion tool including a tubular body having a helical groove on its interior surface, an anvil in said body, a striker rotatable within said body and capable of reciprocation along the axis of said body towards and away from said anvil, a motor drivably connected with said striker for maintaining it in rotation, a centrifugal flyweight mounted in said striker so as to be constrained to follow its rotation and reciprocation but free to move at least in part radially under the influence of centrifugal force into engagement with said helical groove, the direction of rotation of said motor and the hand of said helical groove being such that when said flyweight is engaged with said groove said striker is wound away from said anvil, means for reversing the translatory motion of said striker at the end of its stroke away from said anvil, and means for maintaining said flyweight out of said groove during substantially the whole of the stroke of said striker towards said anvil.

2,456,632

EDUCATIONAL DEVICE FOR TEACHING CORRECT PENMANSHIP

Samuel R. Greenberg, New York, N. Y.

Application September 25, 1945, Serial No. 618,440

4 Claims. (Cl. 35—37)

3. In an educational device for teaching penmanship including a guiding plate having figures in outline form thereon and a writing implement for tracing the figures, the combination of, a plate made of a clear plastic material having a plurality of figures outlined therein by means of grooves, a writing implement, said writing implement having a spherically shaped tracing point, the depth of said grooves being substantially greater than the radius of said spherical tracing point, and the width of said grooves being slightly

greater than the diameter of said tracing point, and opaque material on the under surface of said

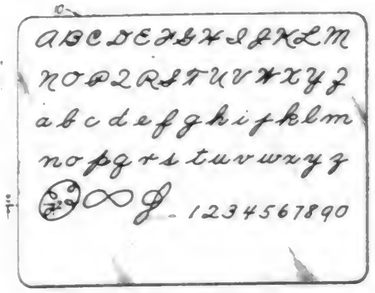
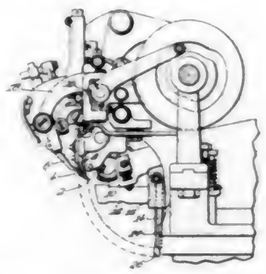


plate outlining the shape of each of the figures on said plate.

2,456,633
CATALYST PREPARATION
Vladimir Haensel, Clarendon Hills, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 29, 1946, Serial No. 713,117
6 Claims. (Cl. 252—250)

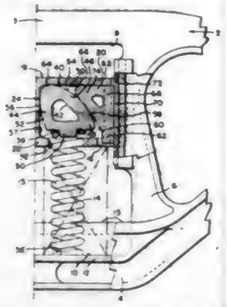
1. A process of catalyst manufacture which comprises treating an inorganic oxide carrier material with a solution of a normally solid aromatic hydrocarbon, and subsequently compositing therewith a metal from group 8 of the periodic table.

2,456,634
SHOE INSEAM SEWING MACHINE
Otto R. Haas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 6, 1947, Serial No. 752,868
3 Claims. (Cl. 112—50)



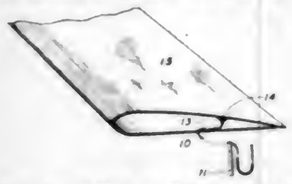
1. A shoe inseam sewing machine having stitch forming devices including a curved hook needle and a needle segment within which the needle is adjustably clamped, a channel guide, mechanism for moving the guide toward and from the work having provision for adjustment to locate the lip of the channel guide transversely to the direction of feed and mechanism for actuating the needle segment to cause the needle to penetrate and retract from the work, in combination with movable gage means arranged to be moved by the operator into a position to indicate the correct relation between the lip of the channel guide and the hook of the needle and to be moved away from said position after the needle and channel guide have been adjusted.

2,456,635
TRUCK
Charles L. Heater, Flossmoor, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Original application August 17, 1945, Serial No. 611,008. Divided and this application January 23, 1947, Serial No. 723,858
17 Claims. (Cl. 105—197)



1. In a railway car truck, a side frame comprising spaced columns, a spring group on said frame, a bolster supported on certain springs of said group, a pocket in said bolster adjacent each column, a friction shoe and bearer member in each pocket, said members being supported on other springs of said group and each presenting arcuate faces on opposite sides thereof merging at one side of the axis of the associated spring, said faces respectively engaging angularly arranged walls of said pocket, and one of said faces additionally engaging a wedge surface on said shoe at the opposite side of the axis of the associated spring, each of said bearer members rotating about its respective points of engagement with said walls under the influence of the associated spring in a direction toward the adjacent column whereby the related shoe is caused to slide on its wedge surface against said one face of the associated member toward the adjacent column for frictional engagement therewith.

2,456,636
COUPLING ASSEMBLY
Alun R. Jones, Los Altos, and Bonne C. Look, Jr., Palo Alto, Calif.
Application May 1, 1945, Serial No. 591,296
1 Claim. (Cl. 285—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



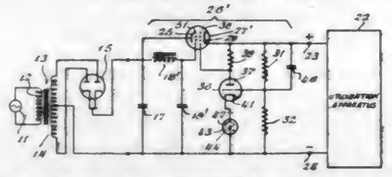
An adapter providing a fluid connection between a port in a smooth-outersurfaced sheet material covering an airfoil and a conduit inside said airfoil, comprising a body portion of resilient material having a passage therethrough, and a flanged portion on one side thereof in the outer surface of which said passage opens at its one end, said outer surface being adapted for cementing to the inside of said sheet material so as to place said passage in communication with said port whereby the smooth outer surface is maintained free of any obstructions, said body portion having a simple hose-fitting connection at the other end of said passage adapted for attachment to said conduit.

2,456,637
OARLOCK SUPPORT
Cresson H. Kearny, United States Army, New York, N. Y.
Application October 6, 1944, Serial No. 557,541
18 Claims. (Cl. 9—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An oar lock support for a boat comprising rigid supporting members pivotally connected together at one of their ends and connected at their other ends to the boat, and guide members attached to one of said supporting members and adapted to receive a shaft inserted therein.

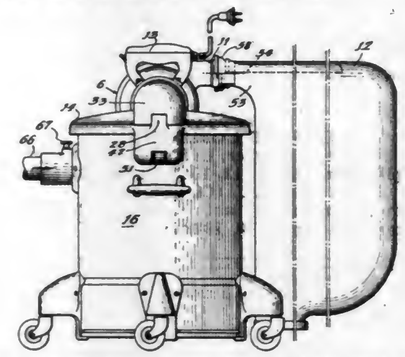
2,456,638
POWER SUPPLY FILTER AND REGULATOR
David E. Kenyon, Smithtown Branch, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application March 22, 1946, Serial No. 656,199
8 Claims. (Cl. 323—30)



1. Filter and voltage regulator apparatus for receiving a rectified voltage and delivering a filtered and regulated voltage, comprising a filter section having an input capacitor, an output capacitor, and an impedance connected therebetween; a voltage regulator tube having an anode, a cathode, a control electrode and a screen grid; means connecting the junction between said input capacitor and said impedance to the anode of said regulator tube; means connecting the junction between said impedance and said output capacitor to the screen grid of said regulator tube; and means coupled to the cathode of said regulator tube and to said control electrode for applying between said cathode and said control electrode a voltage varying in a predetermined relation to the difference between the voltage across said output capacitor and the voltage drop from anode to cathode of said regulator tube.

2,456,639
VACUUM CLEANER
Clarence W. Lanter, Bartlett, Ill., assignor to Breuer Electric Mfg. Company, Chicago, Ill., a corporation of Illinois
Application November 29, 1946, Serial No. 712,849
7 Claims. (Cl. 183—37)

4. In a vacuum cleaner, a tank having an air inlet, a cover mounted on said tank and formed with an air passageway leading from the interior of said tank to the upper side of the cover, a motor-blower unit having an axial inlet and tangential outlet for the passage of air, a reciprocable clamping jaw provided on said cover to secure the motor-blower unit against displacement and with the axial inlet of the latter in communication with the air passageway provided in the cover, a dirt bag, and a trough-shaped nozzle secured to the tangential outlet of said motor-blower unit to support said dirt bag.



7. In a vacuum cleaner, a cylindrical tank having an air inlet, a cover detachably mounted on said tank and formed with an air passageway leading from adjacent the top center of the tank to the upper side of the cover, a motor-blower unit having an axial inlet and tangential outlet for the passage of air, a stud shaft provided on said cover, a clamping jaw mounted for reciprocable movement along said stud shaft to secure the motor-blower unit against displacement from the cover when the axial inlet of the motor-blower unit is in communication with the air passageway provided in the cover, an air nozzle mounted within the air inlet of said tank to direct a stream of air along the inner wall of the tank, and a pair of latches pivotally mounted on diametrically opposed sides of said cover for engagement with said tank.

2,456,640
ELECTRICAL APPARATUS BUSHING
Leonard J. Linde, Drexel Hill, Nicholas F. Arone, Upper Darby, and Benjamin E. Spiro, Philadelphia, Pa., assignors to General Electric Company, a corporation of New York
Application September 14, 1944, Serial No. 554,100
5 Claims. (Cl. 174—152)



3. A bushing for an electric switch comprising a conducting member, an insulating sleeve having a reduced cross section portion intermediate the ends thereof enclosing a substantial portion of said conducting member, supporting means encircling said sleeve including a pair of flanged semi-cylindrical members cemented to said portion of reduced cross section, a thin walled metal tube surrounding said semi-cylindrical members, and means for causing said tube tightly to grip and reinforce said semi-cylindrical members comprising an annular groove in said semi-cylindrical members and a cooperating deformed portion on said metal tube.

2,456,641

SUGAR CANE WAX REFINING

Elbert S. McLoud, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.

No Drawing. Application July 12, 1946, Serial No. 683,141
5 Claims. (Cl. 260—428.5)

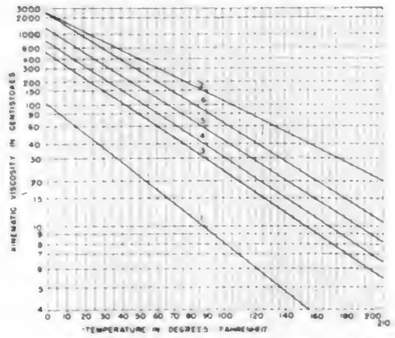
1. A process for removing the resinous fraction from sugar cane wax comprising contacting sugar cane wax from which the soft fraction has been removed with at least four times by weight of a lower alcohol having not more than 3 carbon atoms, heating said mixture sufficiently to put the wax fraction into solution while keeping the alcohol in liquid phase, and separating the resinous fraction from the wax fraction.

2,456,642

GREASE COMPOSITION

Robert L. Merker, United States Navy

Application August 13, 1946, Serial No. 690,195
11 Claims. (Cl. 252—42.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



VISCOSITY CHART FOR BLENDED LUBRICANTS

1. A grease composition compatible with the addition of relatively small proportions of polymer thickeners, oxidation, rust and corrosion inhibitors and extreme pressure additives comprising, 5 to 30 parts by weight of a metallic soap and 95 to 70 parts of a fluid blend of between about 5 and about 95 parts by weight of a diester of a dicarboxylic acid and between about 95 and 5 parts by weight of a silicone.

2,456,643

LIGHTWEIGHT MATERIAL AND ITS PREPARATION

Henry Napier, Joliet, Ill., assignor to F. E. Schundler & Co., Inc., Joliet, Ill., a corporation of Illinois

No Drawing. Application June 12, 1943, Serial No. 490,634
9 Claims. (Cl. 106—86)

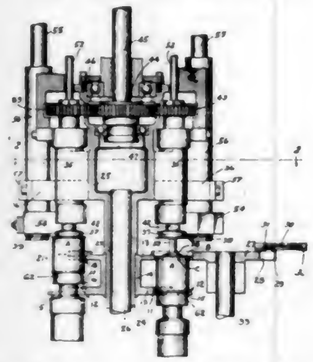
1. The method of making a material of the character described comprising mixing together in an excess of hot water Portland cement and a quantity of material of the group consisting of bentonite, attapulgite, aluminum hydroxide, precipitate, and asbestos fines sufficient to form a voluminous dispersion substantially to hold the particles of Portland cement in separated condition, agitating the mixture to secure initially a thorough distribution of said particles throughout said dispersion, allowing the mixture to rest, periodically repeating said agitation and rest periods to break up incipient bonding between said Portland cement particles until the particles of cement have substantially completely hydrated and have substantially lost their power to bond with like particles, said material containing some free lime after complete hydration of said Portland cement, molding said material and removing excess water, and then applying heat to cause the lime to form a bond.

2,456,644

SEAMER FOR FILLED CANS WITH COUNTERSUNK BOTTOMS

Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 5, 1945, Serial No. 603,286
2 Claims. (Cl. 113—23)



1. In a can closing machine for sealing a cover onto a filled can having a countersunk bottom end, the combination of a seaming head including a rotatable chuck, a cooperating seaming roller and means for rotating said chuck, a support turret having an opening in alignment with the chuck and a flat can supporting surface surrounding the turret opening and extending outwardly to the turret periphery, said flat surface providing a ledge seat defined by a vertical wall spaced from the edge of said opening and located for receiving and stopping a fed turret-supported filled open can of diameter greater than the turret opening in centered position over the turret opening, said turret opening being of a diameter substantially the same as the diameter of said chuck, and a rotatable lifter plunger disposed within said turret opening in vertically spaced relation to the countersunk bottom of the can supported on said turret ledge seat, said plunger being vertically movable within said turret opening to engage within said countersunk can bottom to lift the filled can from said ledge seat and clamp the can and a superimposed cover against said rotating chuck to cause the can and cover to rotate in sealing engagement with said seaming roller when the latter is moved into sealing engagement with the can cover.

2,456,645

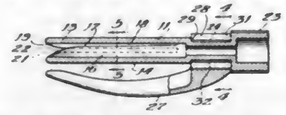
HAIR CURLER

Allan A. Norin and Frank D. Reynolds, Chicago, Ill., assignors to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Delaware

Original application November 24, 1944, Serial No. 564,927. Divided and this application January 24, 1946, Serial No. 643,066
1 Claim. (Cl. 132—34)

A hair curler formed of thermoplastic material, comprising a tubular member having its one

end provided with an enlarged head and its other end formed with diametrically opposed slots extending inwardly toward the enlarged head to provide a pair of opposing fingers, said tubular member being formed with a journal portion of reduced diameter disposed between said enlarged head and the inner ends of said slots, said journal portion being formed with a plurality of spaced longitudinally extending grooves, an arcuate hair confining arm disposed in spaced parallel rota-



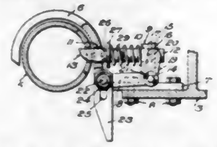
tion to the fingers formed on said tubular member, the inner end of said arm being formed with a pair of resilient bearing arms to snugly engage diametrically opposed sides of the journal portion of said tubular member, and a protuberance formed on the free end of one of said bearing arms for engagement in said grooves to yieldably resist relative step-by-step rotational movement of said tubular member and said hair confining arm.

2,456,646

SAFETY DEVICE FOR HOISTS

Julian E. Patterson, Brownfield, Tex.

Application August 12, 1944, Serial No. 549,247
2 Claims. (Cl. 254—89)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a hoist having a platform, a leg having its upper end pivotally attached thereto on a horizontal axis and adapted to swing by gravity to a vertical position, a bracket attached to said platform at a point thereon spaced from said axis and having a flange engaging said leg to limit upward pivotal movement thereof, a latch member movably mounted on said bracket, a spring arranged to move said latch member into engagement with said leg to hold said leg in locked position adjacent said bracket, a pivotally mounted bell crank lever arranged to move said latch member, and a finger carried by said bell crank lever and extending below said platform for engagement with the ground to retract said latch member when the platform is lowered.

2,456,647

ACRYLIC ESTERS OF OLEFINIC ALCOHOLS AND POLYMERS THEREOF AND METHOD FOR MAKING THEM

Chessie E. Rehberg, Glenside, and Charles H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application July 15, 1944, Serial No. 545,164
7 Claims. (Cl. 260—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

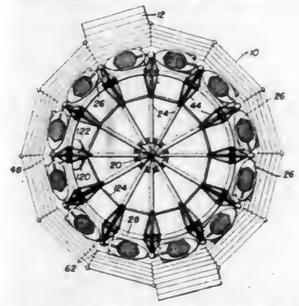
1. The process of preparing an unsaturated resin which comprises copolymerizing an alkenyl acrylate of the formula $CH_2=CHCOOR'$, in which R' is a radical having at least one olefinic double bond and at least four carbon atoms in its open olefinic chain, with a lower alkyl ester of acrylic acid, in the presence of a polymerization regulator taken from the group consisting of mercaptans and carbon tetrachloride, the alkenyl acrylate being present in the proportion of one to five percent of the mixture of lower alkyl acrylate and alkenyl acrylate.

2,456,648

PASSENGER OPERATED ROUNDABOUT

Robert E. Restall, Hamilton, Ontario, Canada

Application November 18, 1946, Serial No. 710,709
9 Claims. (Cl. 272—36)



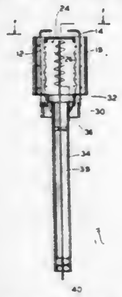
1. In an amusement device having a plurality of supporting arms radially disposed about a vertical axis of rotation and a plurality of passenger cars supported between adjacent arms, in combination, an annular undulating track, supporting wheels adjacent the extremities of said arms and riding on said track, said supporting wheels constituting a power source for effecting rotation of said cars about their longitudinal axes, and passenger operated means for controlling the rotation of said cars.

2,456,649

CATHODE

Glenn F. Rouse, Long Branch, N. J.

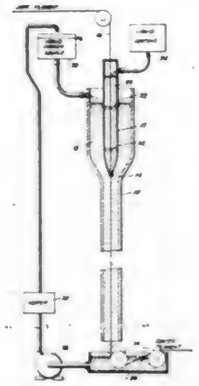
Application June 12, 1943, Serial No. 490,624
3 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cathode for an electron emission tube, said cathode comprising a piece of wire screen made of high temperature metal bent to cylindrical configuration, and closed at one end by a disc, the opposite end being carried by a tubular lead-in of substantial diameter coaxial with the cathode, a heater filament inside said cathode, a lead-in wire for said heater filament passing coaxially

through the aforesaid tubular lead-in, and a coating of metal oxide electron emissive material applied in varying thickness to the aforesaid cylindrical screen.

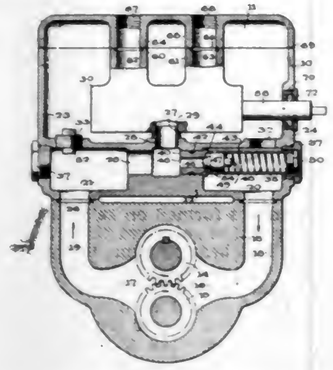
2,456,650
METHOD OF COATING FILAMENTS
Albert O. Ryan, Oradell, N. J., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn., a corporation of Delaware
Application October 20, 1944, Serial No. 559,497
6 Claims. (Cl. 117—115)



1. The method of forming a coated filament which comprises causing a stream of a confining and supporting liquid to flow through a confining space at such a speed that the liquid flows through said space under conditions of viscous flow, discharging under pressure a continuous annular stream of a solidifiable liquid coating material about a continuous axially moving filament, introducing the moving filament and surrounding liquid coating material into the center of said viscously flowing confining liquid stream at substantially the same speed and in the same direction as the center of said stream, continuing the movement of said filament and surrounding coating liquid along with said stream of viscously flowing confining liquid at substantially the same speed while causing the coating material to solidify, whereby said stream of viscously flowing confining liquid supports and holds the liquid coating material in shape during movement thereof through said space, and then withdrawing the filament and the surrounding solidified coating material from said confining liquid in the form of a coated filament.

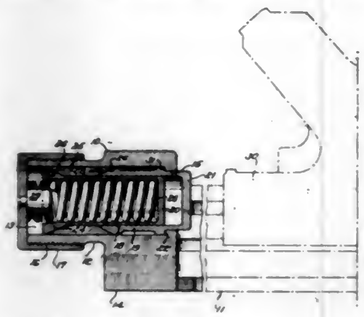
2,456,651
TANK UNIT WITH SUBMERGED VALVE AND EXTERNAL PUMP
Herbert H. Schmiel, Cleveland, Ohio, assignor to Hydraulic Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application October 11, 1946, Serial No. 702,603
21 Claims. (Cl. 60—52)

13. In a pump, valve and tank package unit, in combination, a cast metal tank having a removable side wall, a chamber cast integral with the bottom wall and having a port facing said side wall, a pump mounted on the outer side of the bottom wall and having an inlet passage extending through said bottom wall and a discharge passage extending through said bottom wall and into said chamber, a control valve housing mounted on said removable side wall and having a "hoist" port, a waste discharge opening into the tank and an inlet port positioned to be registered with said chamber port when the wall is secured to the tank.



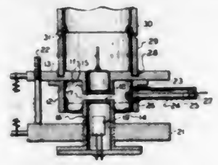
19. A reservoir for a hydraulic hoist system comprising an open sided tank, means for attaching a pump to the outer surface of a wall of said tank, a cover for the open side of said tank, a control valve housing attached to said cover and having a port opening therethrough, a port in said tank connected to the pump discharge, a port in said housing for the valve inlet, said last mentioned two ports being so positioned that they register when the cover is applied to the tank.

2,456,652
BUFFER MECHANISM FOR FIREARMS
Clarence E. Simpson, Springfield, Mass., assignor to the United States of America as represented by the Secretary of War
Application April 8, 1947, Serial No. 740,035
5 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



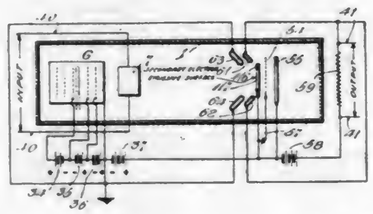
5. In a firearm having a reciprocating breech member, a buffer mechanism comprising, a housing having a longitudinal bore therethrough, a stepped shoulder in said bore, a first tube having a closed end slidably mounted in said bore, said first tube constructed and arranged to abut said shoulder while said closed end projects forwardly out of said housing, said first tube having a conically chamfered open end, a second tube having a closed end, said second tube having an annular conical ring disposed about the open end thereof, said second tube being slidably mounted within said first tube with said closed end adjacent said closed end of said first tube, a split sleeve surrounding said second tube, said sleeve having an inwardly tapered edge on each end being engaged on one end by said conical end of said first tube and by said ring of said second tube on the other end thereof, a helical spring inserted in said second tube, a cap member secured to said housing to retain said spring in said second tube, said spring being provided to resist rearward movement of said sleeve on impact of the breech member with said closed end of said first tube to permit expansion of said sleeve to transmit the recoil energy of the breech member to the bore of said housing and to return said tubes and sleeve forwardly as the breech member returns to battery position.

2,456,653
SEAL FOR HIGH-FREQUENCY TRANSMISSION LINES
Donald L. Snow, Hempstead, and William W. Hansen, Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application December 10, 1942, Serial No. 468,603
3 Claims. (Cl. 174—28)



2. In an efficient high frequency transmission line, two conductors made of nickel-cobalt-iron alloy, a sealing body of glass between said conductors, said alloy having the same low thermal coefficient of thermal expansion as said glass, and a degasified coating of copper between each of said conductors and the glass body.

2,456,654
SECONDARY ELECTRON EMISSION TUBE
Walter Soller, Cincinnati, Ohio, assignor of one-half to William H. Woodin, Jr., San Mateo, Calif.
Original application August 19, 1943, Serial No. 499,260. Divided and this application August 29, 1944, Serial No. 551,689
6 Claims. (Cl. 250—27)



1. An electron discharge system comprising an electron discharge device for propagating an electron beam, means for shaping said beam into substantially rectangular section, means for controlling the angular sweep of said electron beam, a plate system disposed in the path of said electron beam comprising a plate electrode containing a substantially rectangular slot for the passage of said electron beam in central position a secondary electron emitting coating carried by said plate electrode throughout the area surrounding the slot therein, a grid electrode disposed rearwardly of said plate electrode and maintained at negative potential with respect to the aforesaid plate electrode, a plate electrode disposed behind the aforesaid grid electrode and maintained at positive potential with respect to said grid electrode, secondary electron collecting plates disposed adjacent said first mentioned plate electrode, an output circuit including said secondary electron collecting plates and said plate system and activated whenever said electron beam is diverted from a central position passing through the slot in said plate electrode.

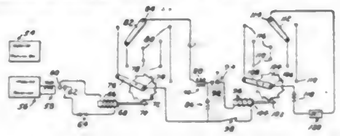
2,456,655
WAX PRODUCTION
Oscar J. Swenson, Ithaca, N. Y., assignor to Colonial Sugars Company, New York, N. Y., a corporation of New Jersey, and S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin
Application July 12, 1946, Serial No. 683,136
12 Claims. (Cl. 260—428.5)

1. A process for separating crude cane wax into various fractions comprising contacting molten crude sugar cane wax with a fat solvent selected from the group consisting of acetone, methylethylketone, ethyl ether, pentane, hexane and heptane in liquid phase to form a hot wax solution, the ratio of fat solvent per pound of crude wax being from about 0.1 to about 0.7, contacting said wax solution with a solvent-wax slurry in which the solvent is selected from the group consisting of acetone, methylethylketone, ethyl ether, pentane, hexane and heptane and the ratio of solvent to wax being at least 4 to 1 by weight, at a temperature at which the hard fraction precipitates from said solution, separating the soluble portion from the precipitate in said solution, reslurrying said precipitate by contacting with a fat solvent selected from the group consisting of acetone, methylethylketone, ethyl ether, pentane, hexane and heptane, heating said slurry sufficiently to put the solids into solution while keeping said solvent in liquid phase, and separating the wax fraction from the resinous fraction.

2,456,656
WAX PRODUCTION
Oscar J. Swenson, Ithaca, N. Y., assignor to Colonial Sugars Company, New York, N. Y., a corporation of New Jersey, and S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin
Application July 12, 1946, Serial No. 683,137
12 Claims. (Cl. 260—428.5)

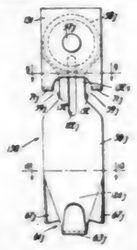
1. A process for recovering a hard wax fraction from crude sugar cane wax comprising contacting molten crude sugar cane wax with a fat solvent selected from the group consisting of acetone, methylethylketone, ethyl ether, pentane, hexane and heptane in liquid phase to form a hot wax solution, the ratio of fat solvent per pound of crude wax being from about 0.1 to about 0.7, contacting said wax solution with a solvent-wax slurry in which the solvent is selected from the group consisting of acetone, methylethylketone, ethyl ether, pentane, hexane and heptane and the ratio of solvent to wax being at least 4:1 by weight, at a temperature at which the hard fraction precipitates from said solution, and recovering the hard wax fraction.

2,456,657
EXPLOSIVE LAND MINE
Hale F. Vagts, San Jose, Calif.
Application December 19, 1944, Serial No. 568,906
1 Claim. (Cl. 102—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



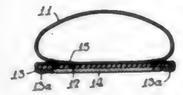
In an explosive mine having a main charge, an electric circuit comprising an electric detonator for exploding said main charge, a battery connected to the detonator for exploding the same, and switch means in said circuit for closing the same thereby actuating said detonator, said switch means comprising a pair of terminals, the first terminal connected to a pivot, a manually operable contact arm rotatably mounted on said pivot and electrically connected thereto, a plurality of spaced contact points disposed along the arc of a circle traversed by the outer end of said contact arm, said contact arm being rotatably adapted to touch any selected contact point, a second pivot electrically connected to the second terminal of said switch means, a second contact arm rotatably mounted on said second pivot and electrically connected thereto, a second plurality of spaced contact points disposed along the arc of the circle traversed by the outer extremity of said second contact arm and equal in number to the first plurality of contact points, corresponding contact points in said first and second pluralities of points being connected together in pairs, electromagnetic means engaging said second pivot for stepwise unidirectional rotation, a source of electric potential for energizing said electromagnetic means for a single impulse, and pressure operated switch means for closing the circuit to said electromagnetic means.

2,456,658
CLOTHESLINE HOLDER
John Waldheim, Elizabeth, N. J.
Original application December 5, 1938, Serial No. 243,955. Divided and this application January 5, 1944, Serial No. 517,288
22 Claims. (Cl. 211—119.02)



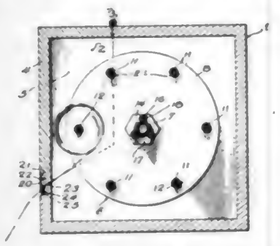
4. In a holder for a pulley clothes line having a plurality of travelling reaches, the combination of a body part, means to grip one of the reaches to cause the holder to travel therewith, and transit means on said holder to travel on another one of said reaches, the gripping means comprising a single member on the body part to engage one side of the associated reach, and two members on the body part to engage the opposite side of said associated reach to form with the first mentioned member a bight in the reach, the three members extending to the same side of the body part and being disposed with reference to the body part to form a gap at one side of the holder through which said associated reach may be passed to or from the gripping means.

2,456,659
LAMINATED MIDSOLE AND OUTSOLE CONSTRUCTION
William Weidner, New York, N. Y.
Application February 20, 1947, Serial No. 729,695
1 Claim. (Cl. 36—30)



A laminated shoe sole construction comprising a mid sole, a stripping of rubber-like material engaging about the marginal edge of said midsole and extending over the bottom surface thereof so as to form the outmarginal portion of the wearing surface, and an outer sole superimposed upon the undersurface of said midsole within said outer marginal portion of said edge stripping, said outer sole being substantially flush with said outer marginal portion so as to form together therewith a substantially even wearing surface.

2,456,660
DISPENSING ROLL HOLDER
Le Roy L. Werner, Washington, D. C.
Application August 8, 1944, Serial No. 548,591
12 Claims. (Cl. 242—55.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A storage and dispensing device, including a cabinet, a closure therefor, a reel rotatably mounted in the cabinet, a knife blade fixed to the free edge of the closure, and a strip of gasket material mounted on the cabinet adjacent the free edge of the closure and lying flat against the knife blade when the closure is shut.

2,456,661
CANE WAX PRODUCTION
Edward A. Wilder, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.
No Drawing. Application November 5, 1947, Serial No. 784,301
12 Claims. (Cl. 260—428.5)

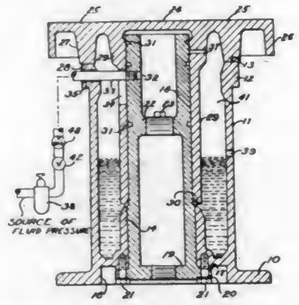
1. A method of treating crude cane wax comprising contacting crude cane wax with at least 3 times its weight of propyl alcohol at a temperature sufficient to place the waxy portion in solution while maintaining the alcohol in liquid phase, then separating the insoluble portion while the waxy portion remains in solution.

2,456,662
HAMMERING DEVICE
William C. Wymer, United States Navy, Oregon City, Oreg.
Application December 10, 1945, Serial No. 634,132
2 Claims. (Cl. 1—50)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



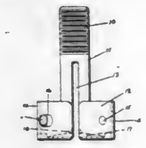
1. A hammering device including, an elongated handle, the handle comprising a pair of telescoping members, means for fastening the members in adjusted telescoped relations, a pair of parallel legs secured to one end of said handle and having their outer ends offset relative to the handle, the outer ends of the legs having means for supporting a fastening element, a lever pivotally supported between the intermediate portions of said legs, an enlarged head mounted on the outer end of the lever and adapted to strike the fastening element upon swinging of said lever relative to the legs, a rope secured to the inner end of the lever and extending to the far end portion of said handle, a ring slidably mounted on the handle and having connection with the rope for swinging said lever, and a sheave rotatably supported between the inner portions of said legs for receiving said rope.

2,456,663
JOLT MOLDING MACHINE
Lester C. Young, Cleveland, Ohio, assignor to Spo, Inc., a corporation of Ohio
Application February 20, 1946, Serial No. 648,997
5 Claims. (Cl. 22—45)



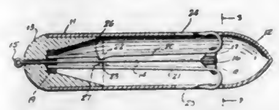
1. A molding machine comprising a base, a shell projecting upwardly from said base and having at its upper end a striking anvil, a jolt table having on the underneath side thereof a surface for striking the anvil, a piston supported and carried by the base and extending upwardly therefrom toward the jolt table, a cylinder surrounding the piston for raising the table relative to the anvil, said piston and cylinder defining an extensible fluid pressure chamber, an inlet for introducing fluid under pressure into said chamber to raise the jolt table relative to the anvil, an outlet through which fluid may be exhausted from said chamber for permitting the table to return by gravity and strike the anvil, said outlet being controllable by the relative movements of the piston and the cylinder, said piston and cylinder each having a portion slidably engaging one another, said piston portion being externally exposed when said cylinder is raised, said cylinder extending downwardly from the table and terminating at a place below the anvil within said shell, whereby when the cylinder is raised the exposed portion of the piston is below the anvil and shielded by said shell.

2,456,664
SPLIT CHUCK FOR ELECTRIC WELDING GUNS
William P. Yurgensen, Sharon Hill, Pa.
Application November 29, 1945, Serial No. 631,762
8 Claims. (Cl. 279—55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. A chuck comprising a body, said body at one end being longitudinally slotted to provide a plurality of longitudinally extending portions, said portions being flexible with respect to each other in a transverse direction, and a plurality of ears detachably secured to the periphery of said portions and located at the slotted end of said body.

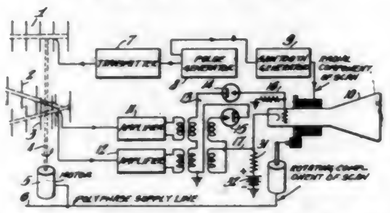
2,456,665
ARTIFICIAL BAIT
Mozel A. Adams, Evangeline, La.
Application March 25, 1947, Serial No. 736,927
3 Claims. (Cl. 43—37)



2. A fishing lure comprising a hollow casing, a plurality of resilient hook members secured in the forward portion of the casing and extending rearwardly therein, a rod member slidably mounted in the forward portion of the casing and substantially centrally disposed with respect to the hook members; a block member carried on the rear portion of the rod member, said block member being formed with radial slots through which the hook members extend, the wall of the casing being open adjacent the rear portions of the hook members, said hook members being formed and arranged with respect to said block member so that the rear portions of the hook members are projected outside the casing responsive to forward movement of said block member, and an inwardly projecting tri-

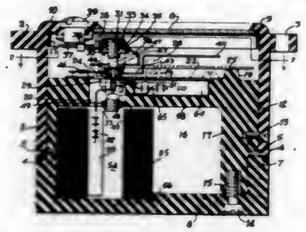
angular lug carried by each hook member at a forward portion thereof adapted to cooperate with said block member to lock the hook member in projected position.

2,456,666
RADIO DIRECTION FINDING SYSTEM
Charlton Stanford Agate, Esher, and Arthur Henry Cooper, Iver, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application November 22, 1943, Serial No. 511,242
In Great Britain September 25, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 25, 1962
16 Claims. (Cl. 343—113)



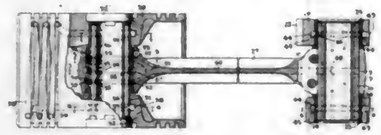
13. In a radio direction indicating system in which separate energy is received in accordance with each of a plurality of radiant action patterns having an inter-relationship indicative of a line of direction, said radiant action patterns being scanned through a given cyclic rotation, means for comparing the received energies, means operatively associated with said comparing means for releasing energy in response to a predetermined ratio of the values of the received energies, an indicator having a given sweep cycle, means to synchronize said sweep cycle with the scanning cycle of said patterns, and means to apply the released energy to said indicator to produce an indication at a corresponding point in said sweep cycle.

2,456,667
ELECTRICAL MEASURING INSTRUMENT
Harry A. Alter, Dayton, Ohio, assignor to The W. W. Boes Company, Dayton, Ohio, a corporation of Ohio
Application February 7, 1944, Serial No. 521,343
7 Claims. (Cl. 171—95)



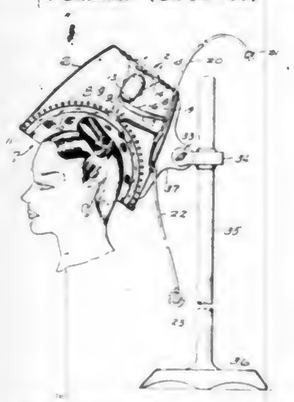
1. An electrical measuring instrument comprising a casing containing a solenoid, an instrument movement cooperating therewith and including a shaft, a pointer secured to one end of the shaft and a magnetic actuating vane secured to the other end of the shaft, a cooperating magnetic vane within the solenoid, a support plate extending across the instrument and a bearing on one side of said plate for supporting the upper end of said shaft, and a bearing on the other side of said plate for supporting the lower end of said shaft.

2,456,668
OIL CIRCULATING MEANS FOR PISTONS AND CONNECTING RODS
Karl V. Anderson, Milwaukee, Wis., assignor to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application September 18, 1946, Serial No. 697,775
4 Claims. (Cl. 123—176)



4. The combination of a piston having an oil cooling passage; a connecting rod having an oil supply passage and an oil return passage; a wrist pin forming a connecting bearing between the piston and connecting rod, said pin having passages which connect the oil supply and oil return passages in the rod with opposite ends of the oil cooling passage in the piston and which respectively communicate at spaced points with the wrist pin bearing; and connections for supplying oil under pressure to said supply passage, the parts being so proportioned and arranged that flowing oil is subjected to a substantial pressure drop as it flows through the piston passage, whereby pressure developed in the wrist pin bearing by oil from the supply passage will resist entrance into the bearing of oil from the return passage.

2,456,669
HAIR DRIER
Russell L. Bauer, Brentwood, Mo.
Application February 25, 1946, Serial No. 649,891
2 Claims. (Cl. 34—99)



1. In a hair drying apparatus, a hood having an open end to be positioned over the head of a person whose hair is to be dried, a vent spaced from said open end, a substantially semi-spherical source of radiant heat near the open end of said hood, a substantially semi-spherical reflector closely associated with said source to diffuse heat throughout the hood, a substantially semi-spherical guard positioned within said reflector, means to cause a flow of unheated air into the open end of said hood and towards said vent, there being passages through said reflector, said source and said guard to permit air to flow therethrough from said open end to said vent.

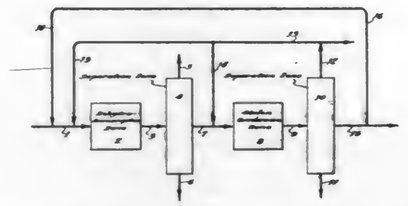
2,456,670
CELLULOSE COMPOUND WRINKLE COMPOSITION
Nathan T. Beynon, Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application August 13, 1945, Serial No. 610,675
10 Claims. (Cl. 106—171)

1. As a new composition of matter, a wrinkle drying coating composition consisting of a conjugated double-bonded fatty oil and a cellulose compound selected from the group consisting of cellulose acetate, ethyl cellulose, and nitrocellulose cold-mixed in proportions of 100 parts by weight of said oil to from 10 to 50 parts by weight of the cellulose compound.

2,456,671
FLEXIBLE MATERIAL WITH WRINKLE-TEXTURED COATING
Nathan T. Beynon, Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 7, 1946, Serial No. 652,819
8 Claims. (Cl. 117—161)

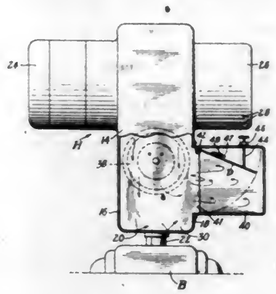
1. The method of manufacturing flexible, wrinkle-coated materials comprising the steps of mixing at room temperature 100 parts by weight of unsaturated fatty oil with varnish solvent and from 10 to 50 parts by weight of aqueous rubber latex, said rubber being selected from the group consisting of butadiene styrene copolymer, butadiene acrylic nitrile copolymer, and neoprene; applying the mixture thus obtained to a base material; and subjecting the coated material to drying, at substantially 130° F. for approximately 30 minutes and then at substantially 180° F. for a period of from about 30 to 60 minutes.

2,456,672
CONVERSION OF HYDROCARBONS
Herman S. Bloch, Chicago, and Raymond E. Schaad, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 31, 1945, Serial No. 585,997
4 Claims. (Cl. 260—671)



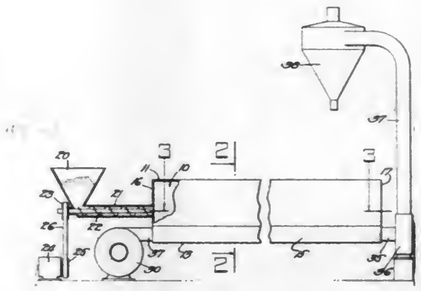
3. A process for the production of branched chain hydrocarbons which comprises simultaneously dehydrogenating and isomerizing a paraffinic hydrocarbon containing at least four carbon atoms per molecule by the action of a dehydrogenating catalyst in physical admixture with a minor proportion of an isomerizing catalyst, reacting the resultant branched chain olefinic product with an alkylatable hydrocarbon at alkylating conditions to form a higher boiling branched chain hydrocarbon and recovering the same, and recycling unconverted paraffinic hydrocarbons to the dehydrogenation-isomerization step.

2,456,673
OIL BURNER BLOWER HOUSING
Ernest Camerino, New York, N. Y.
Application May 14, 1947, Serial No. 748,089
7 Claims. (Cl. 230—114)



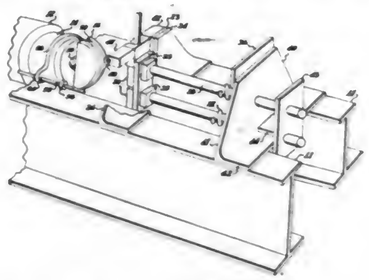
1. In an oil burner blower housing, the combination of an upper impeller section; a substantially rectangular lower section integrally formed with said impeller section; means for dividing the lower section into two separate air chambers; and an intermediate chamber laterally disposed on the side of said lower section for providing air communication between said two chambers.

2,456,674
APPARATUS FOR DRYING FINELY DIVIDED MATERIALS WHILE SUSPENDED IN A GAS
Robert A. Caughey, Wilton, N. H.
Application December 12, 1945, Serial No. 634,417
11 Claims. (Cl. 34—57)



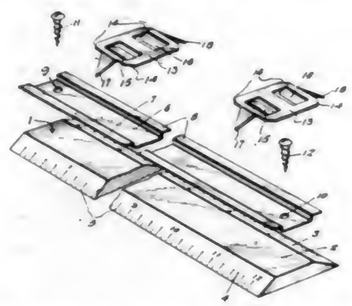
1. An apparatus for drying finely divided material having particles requiring different drying periods which comprises a substantially cylindrical wall and end walls forming a drying chamber, means for introducing a stream of heated air tangentially to the cross section of the said cylindrical wall into the drying chamber at a velocity greater than that required to maintain said material in suspension and for withdrawing air from near one end of the drying chamber and tending to move said heated air in a helical path through said chamber, means for feeding said material into said helically moving stream near the other end of said chamber, and stationary means for successively deflecting said suspended material back away from the withdrawal end of said chamber and against the general direction of movement of the air in said chamber.

2,456,675
TUBE BENDER
Charles Joseph Chaille, Middletown, Ohio, assignor to Aeronca Aircraft Corporation, Middletown, Ohio, a corporation of Ohio
Application January 25, 1947, Serial No. 724,376
2 Claims. (Cl. 153—33)



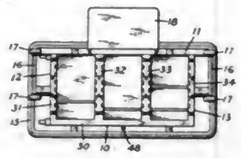
1. A tube bending apparatus comprising, a frame, a hydraulic cylinder and ram unit mounted upon said frame, a forming die carried by said ram and adapted to be advanced and retracted by said ram, a pair of stationary bending dies yieldably mounted upon said frame and cooperating with said forming die, a valve for controlling the advance and retraction of said ram and forming die relative to the bending dies to bend the work to a predetermined angle, a manually operated lever on said valve for initiating the advance of the ram, an adjustable trip mechanism associated with said manually operated lever, and a stop element carried by said ram cooperating with said trip mechanism and arranged to actuate the trip mechanism to reverse the position of said manually operated lever and cause the ram to retract when the forming die bends said work to a predetermined angle.

2,456,676
SLIDE INDICATOR RULE
William C. Chowns, East Detroit, Mich.
Application February 21, 1947, Serial No. 730,003
5 Claims. (Cl. 33—107)



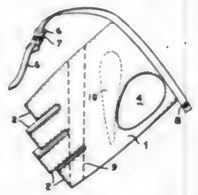
1. In combination with a rule and a slide indicator therefor including a U-shaped guide trackway having opposed outwardly extending bearing flanges formed integrally therewith, means for detachably attaching said trackway to said rule in parallel relation to one edge thereof, and a metal slide indicator having inwardly depending resilient means struck therefrom engageable with the under surfaces of said bearing flanges and slidably mounting said indicator on said trackway.

2,456,677
CHART CARRIER
Josiah S. Clachko, Ridgefield Park, N. J., assignor to S. Blickman, Inc., Weehawken, N. J., a corporation of New York
Application October 17, 1947, Serial No. 780,369
1 Claim. (Cl. 45—2)



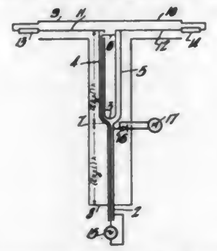
A cabinet having a plurality of spaced slanting parallel racks extending over the top of the cabinet, said racks being provided with spaced pockets open at their upper edges, a locking plate slidably supported on each of the racks and having portions overlying the racks, a side of each of said overlying portions of the locking plates being provided with spaced notches in registration with the pockets in the racks, a pair of slides mounted on the cabinet having roller-engaging cams thereon, and a pair of anti-friction rollers mounted on each locking plate in the path of said cams, a manually operable mechanism for simultaneously moving the slides upwardly on the racks to put the notches in said plates out of register with the pockets in the racks, and means for locking the slides in positions wherein said cams maintain the locking plates in their raised position, combined with chartholders narrower than the distance between the racks and having portions extending from their edges into the pockets in the racks.

2,456,678
GOLF GLOVE
John Dana Cole, Dayton, Ohio
Application September 13, 1946, Serial No. 696,820
1 Claim. (Cl. 2—159)



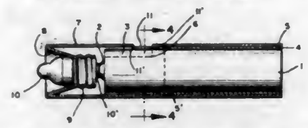
A golf glove comprising an open back, a palm portion and a finger portion, said palm portion having a section removed for the thumb of the user and said finger portion have backs thereon, a projection of triangular shape in plan and of curvilinear shape in section and permanently attached to said palm section with the base of the triangle lying between the removed thumb section and the remotely located side of the glove and extending diagonally across the glove between the said removed thumb section and the finger section so as to leave a diagonally extending area between one side of the projection and the finger section whereby said projection causes the club shaft when grasped to lie in proper inclined position adjacent the finger section so as to be firmly held by the user's fingers and said projection also fills the void in the palm of the user's hand to cause complete gripping contact of the club shaft by said glove during the swing.

2,456,679
HIGH-FREQUENCY IMPEDANCE BRIDGE
Edward Cecil Cork, Ealing, London, and Alan Dower Blumlein, deceased, late of Lescudjack, Penzance, England, by Doreen Blumlein, executrix, Lescudjack, Penzance, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application February 17, 1944, Serial No. 522,830
In Great Britain May 5, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 5, 1961
4 Claims. (Cl. 175—183)



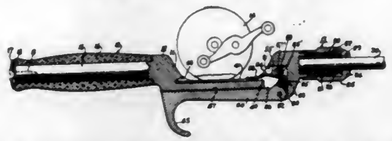
1. In combination, a high frequency bridge measuring circuit including a concentric feeder transmission line circuit comprising inner and outer coaxial conductors, means for applying high frequency signals to said feeder circuit, a pair of quarter-wave branched portions of said outer conductor, said inner conductor continuing through one of said branched portions and being terminated on said other branched portion, a pair of concentric lines respectively connected to different ones of said branched portions thus providing relative phase inversion of said signals in said feeder circuit, means for terminating one of said branched lines in an unknown impedance to be measured, a variable known impedance, means for terminating the other of said branched lines in said variable impedance, means branching from said concentric lines for shielding said feeder circuit and said branch portions, and a signal detector, and means connecting said detector to said feeder line circuit and said shielding means to derive currents indicative of the balanced condition of said bridge.

2,456,680
FLASHLIGHT
Harry E. Croft, Chicago, Ill.
Application November 14, 1946, Serial No. 709,890
1 Claim. (Cl. 240—10.61)



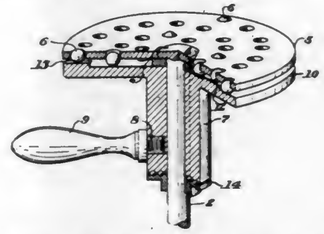
A device of the character described comprising a dry-cell battery having an outer wall, a centrally positioned positive terminal and a cylindrical insulator frictionally secured to said battery, a cutaway portion formed in the forward end of said insulator whereby to expose a portion of said battery wall, in combination with a cylindrical bulb carrying cap, a reflector integrally secured in and to one end of said cap, a bulb socket integrally formed on the inner end of said reflector, a bulb in said socket having a single contact, said contact adapted to continuously abut against said positive terminal, said cap being removably and rotatably frictionally mounted on a portion of the upper end of said battery, and an inwardly extending resilient contact lying in a plane transverse to the axis of said cap and formed by pressing inwardly a portion of the wall of said cap whereby the axial marginal edges of the pressed in portion are connected to the body of the cap and the transverse marginal edges are severed from the body of said cap.

2,456,681
HANDLE ASSEMBLY CASTING ROD
Merlyn M. Culver, Dayton, Ohio
Application February 28, 1946, Serial No. 650,909
16 Claims. (Cl. 43—22)



1. A casting rod handle including, a reel seat, stationary means at one end of said reel seat for holding the base of a reel upon the seat, a movable locking member disposed adjacent the opposite end of said seat and including means upon which said member is oscillatable, and a lever movable relative to said seat operably associated with one end of said locking member for oscillating the same toward or away from said seat.

2,456,682
METAL-WORKING OR LIKE TOOL
William R. Dapprich, Baldwin Township, Allegheny County, Pa.
Application June 21, 1946, Serial No. 678,192
2 Claims. (Cl. 153—32)

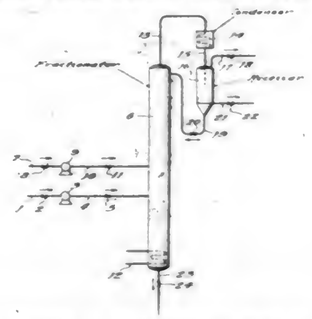


1. A metal working or like tool comprising a rotor, a flexible shaft connected with the rotor through which the rotor is rotated, a series of balls carried by the rotor adapted to be projected to act on work and a cam member carried by the shaft behind the rotor but relatively to which the shaft and rotor rotate, the cam member having a handle connected therewith by which the tool is held, the cam member engaging the balls to project them upon rotation of the rotor.

2,456,683
PROCESS FOR OXIDIZING ALCOHOLS
Richard M. Deanesly, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 6, 1946, Serial No. 660,282
6 Claims. (Cl. 260—596)

1. A process for oxidizing an alcohol having a hydrogen atom attached to the carbon atom of the carbinol group which comprises introducing said alcohol into a fractionating column, introducing an oxygen-containing gas into said column, supplying heat to said column to maintain

a reaction zone therein at an oxidizing temperature below the critical temperature of said alcohol, maintaining said column at a pressure sufficient to retain a substantial portion of said alcohol in liquid phase therein, reacting said alcohol



and said oxygen in said reaction zone to form a carbonyl compound from said alcohol, simultaneously fractionating the reaction products in said column, withdrawing said carbonyl compound from the upper portion of said column, and withdrawing water produced in the oxidation reaction from the lower portion of said column.

2,456,684

PROCESS OF RENDERING LARD

Fred E. Deatherage, Cincinnati, Ohio, assignor to The Kroger Grocery & Baking Company, Hamilton County, Ohio

Application January 31, 1944, Serial No. 520,519

16 Claims. (Cl. 260—412.7)

1. The process of rendering animal fat of the group consisting of mutton, beef and pig fat, which process consists in macerating the animal fat to disintegrate animal tissue therein, adding an aqueous alkali solution in an amount not in excess by weight of the fat and of a concentration of at least 0.4% alkalinity, mixing the same intimately with the reduced fat and tissues and heating the mixture to a temperature between 70° to 100° C. for a period between about 30 to 60 minutes, separating the fat from the aqueous constituents, washing the separated fat with water and thereafter separating the wash water from the fat.

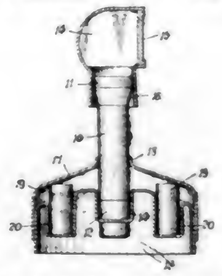
2,456,685

WARNING SIGNAL CONVERSION KIT FOR STANDARD FLASHLIGHTS

Cyril J. Delmotte, Detroit, Mich., assignor of one-half to Edward J. Herrmann, Detroit, Mich.

Application November 14, 1946, Serial No. 709,705

4 Claims. (Cl. 177—329)



2. In combination with a hand flashlight, conversion elements for adapting the flashlight to use as a warning signal device comprising a light box having a downwardly depending tubular socket member for detachable engagement about the lens end of the flashlight, a light-emitting window in said light box, a foot member adapted to engage the base end of said flashlight, and a second member carried by said foot member to engage the body of said flashlight above said foot member.

2,456,686

PROCESS FOR OBTAINING VITAMIN K COMPOUNDS

Edward A. Doisy, Webster Groves, and Sidney A. Thayer, St. Louis, Mo., Donald W. MacCorquodale, Highland Park, Ill., Ralph W. McKee, Newton, Mass., and Stephen B. Binkley, Detroit, Mich., assignors to President & Board of Trustees of St. Louis University, St. Louis, Mo.

No Drawing. Application May 11, 1944, Serial No. 535,204

6 Claims. (Cl. 260—396)

1. Process for obtaining an antihemorrhagic compound comprising treating an extract containing a crude form of a compound of the class consisting of vitamins K_1 and K_2 with a reducing agent and an agent of the class consisting of esterifying and etherifying agents thereby obtaining a crude form of dihydro diester of said vitamin, treating said crude diester product by known methods to obtain a substantially pure diester and converting the latter by hydrolysis and mild oxidation into a substantially pure vitamin.

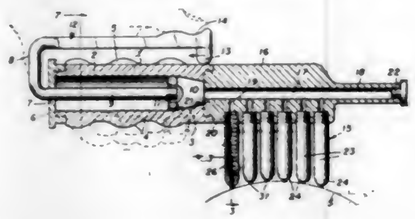
2,456,687

FOUNTAIN COMB

Roberto Dominguez A, Tegucigalpa, D. C., Honduras, assignor of twenty per cent to Maria Agurcia Ayestas, Tegucigalpa, D. C., Honduras

Application March 18, 1947, Serial No. 735,518

3 Claims. (Cl. 132—13.1)



1. In a fountain comb, a hollow handle forming a liquid containing chamber therein, a comb section extending from said handle and including a comb back having a manifold bore therein communicating with said chamber, said back being provided with hollow teeth communicating with said bore, an ejector operative in said chamber from outside the same to force liquid out of said chamber, bore and teeth, and normally closed valve means in said teeth having stems projecting out of said teeth, said valve means being operative to open the same by pressure exerted against said stems, said ejector comprising a U-shaped manipulative member having a leg endwise movable in said chamber with a piston thereon, said member having another leg extending alongside said handle with a thumb grip seat therein for seating the thumb of a hand grasping said handle, whereby said member may be manipulated by the thumb of said hand.

2,456,688

CELLULOSE ESTER STABILIZATION IN ANHYDROUS MEDIUM

Camille Dreyfus, New York, N. Y., and Robert D. Rowley and Robert F. Thompson, Narrows, Va., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 9, 1945, Serial No. 621,380

7 Claims. (Cl. 260—230)

1. In a process for the production of highly stable fully esterified organic acid esters of cellulose wherein cellulose is esterified with an aliphatic acid anhydride and an inorganic acid catalyst employing an aliphatic acid as a solvent, the steps which comprise neutralizing substantially all of the acid catalyst in the primary cellulose ester solution obtained on completion of esterification by adding a neutralizing agent thereto, and then heating the neutralized primary solution containing aliphatic acid anhydride whereby the stability of the fully esterified cellulose ester is improved.

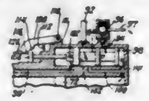
2,456,689

FLUID PRESSURE MOTOR

Fred C. Eastman, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application August 28, 1942, Serial No. 456,564, now Patent No. 2,436,424, dated February 24, 1948. Divided and this application November 4, 1944, Serial No. 561,917

11 Claims. (Cl. 121—38)



8. In a fluid-pressure-operated mechanism, a fluid-pressure motor, passageways for directing fluid under pressure to one side of the movable element of said motor and for exhausting fluid from the other side of the movable element, and means operative in response to progressive increases in the pressure of the fluid on said one side of the movable element for first cutting off the exhaust of fluid from said other side while the fluid is admitted to said first side, then admitting fluid under pressure to the other side while the fluid is admitted to the first side, and finally exhausting the fluid from the first side.

2,456,690

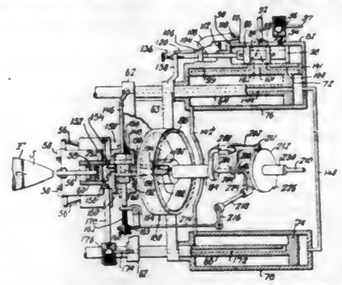
FLUID-PRESSURE-OPERATED MECHANISM

Fred C. Eastman, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application August 28, 1942, Serial No. 456,564, now Patent No. 2,436,424, dated February 24, 1948. Divided and this application November 4, 1944, Serial No. 561,918

7 Claims. (Cl. 60—97)

1. In a fluid-pressure-operated mechanism, a first fluid-pressure-operated motor comprising a cylinder and a piston movable therein, a rotary fluid-pressure-operated motor, means mounting said rotary motor for movement with said piston, means for directing fluid under pressure to said first motor, a passageway through the piston of the first motor for directing fluid under pressure to the rotary motor, a normally closed valve opened in response to a predetermined pressure in said passageway to direct fluid from said passageway to the rotary motor, and means operative after a movement of predetermined extent in one direction only has been imparted to the movable element of the rotary motor for



closing said valve to interrupt the flow of fluid to said rotary motor.

2,456,691

PROCESS FOR TREATING FATTY MATERIALS

William R. Eipper, Philadelphia, Pa.

No Drawing. Application January 27, 1948, Serial No. 4,697

11 Claims. (Cl. 260—405.6)

1. The process of isomerizing a natural fat containing glyceryl esters of oleic acid comprising mixing a solution of said fat in a liquid organic fat solvent with a solution of nitrous acid in a water-miscible organic fat solvent, said solvents being miscible with each other and inert to the acid in the presence of said fat, and maintaining the temperature of the reaction below the temperature at which the isomerized fat will remain in solution.

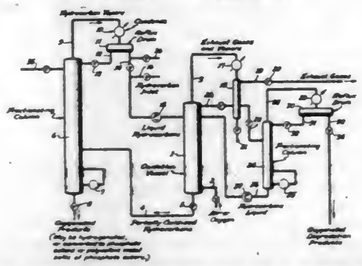
2,456,692

LUBRICATING OIL COMPOSITION

Adalbert Farkas and Arthur F. Stribley, Jr., Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application August 16, 1943, Serial No. 498,776

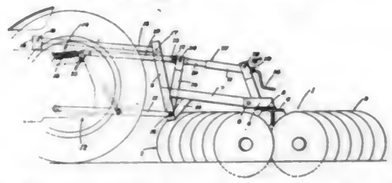
3 Claims. (Cl. 260—429)



1. A process for producing a lubricating oil addition agent comprising the partial oxidation of a non-aromatic cyclic hydrocarbon by contacting said hydrocarbon with an oxygen containing gas at temperatures in the order of from about 100° F. to about 500° F. and at pressures in the order of from about normal atmospheric pressure to about 300 pounds per square inch gage to produce partial oxidation products containing the same number of carbon atoms per molecule as said non-aromatic cyclic hydrocarbon and containing one atom of oxygen per molecule, reacting said partial oxidation products with a phosphorus compound selected from

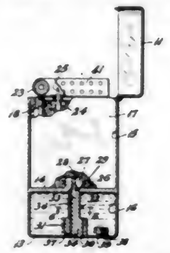
the class of phosphorus compounds comprising phosphorus pentasulfide and phosphorus pentoxide to form phosphate esters and reacting said phosphate esters with the oxide of a polyvalent metal.

2,456,693
LIFTING HITCH FOR IMPLEMENTS
Frank M. Fraga, Fresno, Calif.
Application August 26, 1946, Serial No. 693,139
13 Claims. (Cl. 97—50)



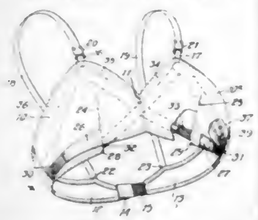
1. An implement lifting hitch for a tractor which includes, at the rear, a transversely spaced pair of lift links, and a longitudinally movable thrust arm operative to cause actuation thereof, the hitch comprising a rigid draft frame structure adapted to pivotally connect between the lift links and the implement, said draft frame structure having a rigid upstanding member thereon, a longitudinal tension link adapted to pivotally connect between the tractor and said member above the lift links, and a thrust assembly adapted to connect between the implement and said thrust arm arranged so that drag reaction of the implement acts to urge said thrust arm longitudinally.

2,456,694
CIGAR OR CIGARETTE LIGHTER
Aaron Geiger, Brooklyn, N. Y.
Application July 23, 1947, Serial No. 762,888
1 Claim. (Cl. 67—7.1)



An article of the class described comprising an upright housing having a roof closing the top thereof and a wall closing the bottom thereof, said housing having a partition therein intermediate the height thereof dividing the interior into an upper and a lower compartment, said upper compartment being adapted to have a mass of cotton therein, said roof having an opening therethrough, a wick extending through said opening and having the lower portion thereof positioned in said upper compartment, means for igniting said wick above said roof, said lower compartment being adapted to have liquid fuel therein, said partition and said bottom wall having openings therethrough, valve means mounted in said last-named openings for simultaneously opening or closing said last-named openings, said last-named openings being aligned, said opening in said partition being countersunk on the underside thereof to provide a valve seat, said valve means comprising a stem having the upper end thereof tapered complementarily to said valve seat and adapted to register in said seat, said stem extending downward through said lower compartment and having the lower end thereof longitudinally movably mounted in said opening in said bottom wall, said stem having a non-axial longitudinal passage therein extending from said tapered end thereof to a point adjacent the lower extremity thereof, said stem having a lateral passage therein extending from the side thereof to and communicating with the lower end of said longitudinal passage, said bottom wall having a circumferential upright wall surrounding said opening therethrough, said circumferential wall normally closing the outer free end of said lateral passage and said seat normally closing the upper free end of said longitudinal passage, and means for releasably retaining said stem in normal position whence the free ends of said passages are closed as aforesaid.

2,456,695
BRASSIÈRE AND SIMILAR GARMENTS
Edwin W. Gluckin, Brooklyn, N. Y.
Application February 21, 1945, Serial No. 578,977
3 Claims. (Cl. 2—42)

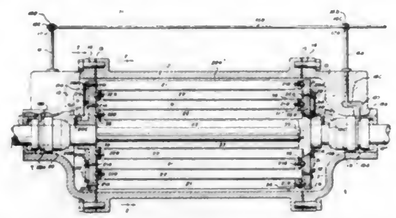


1. A brassière of the class described comprising a pair of similar breast pockets, means joining adjacent edge portions of the pockets, means attached to outer side edges and upper portions of the pockets for adjustably supporting the same upon the body of the wearer, each pocket having centrally of the lower portion thereof free relatively movable parts, each pocket having diverging suspending straps extending from the free outer part of one pocket to the upper central portion of an opposed pocket and to the outer side edge of said opposed pocket, means adjustably coupling the suspending straps to each pocket, one strap of each pocket crossing the corresponding strap of an opposed pocket centrally between said pockets, and means coupling inner free portions of the pockets with outer edges thereof.

2,456,696
VARIABLE PITCH FLUID TRANSMISSION
Ralph Goldberg, Baltimore, Md., assignor of one-half to Joseph H. Colvin, Baltimore, Md.
Application October 8, 1945, Serial No. 620,989
5 Claims. (Cl. 192—58)

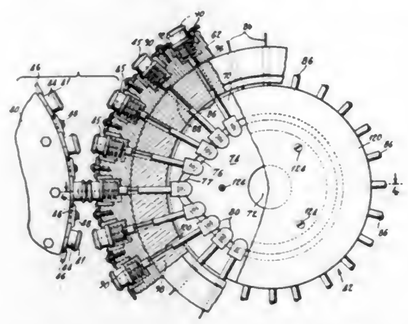
1. In a vehicle power transmission, a housing containing hydraulic fluid therein, a driving shaft rotatably supported in one end of said housing and adapted to be connected to a power source, a driven shaft rotatably supported in the other end of said housing, a plurality of driving vanes arranged longitudinally in said housing and operatively connected to said driving shaft for imparting a rotary motion to said fluid when said driving shaft is rotated, a plurality of driven vanes arranged longitudinally in said housing and operatively connected to said driven shaft

for rotating the latter in response to rotation of said fluid, and means operatively connected to



each of said driving and driven vanes for varying the pitch of the latter.

2,456,697
APPARATUS FOR FORMING GLASS BEADS AND THE LIKE ARTICLES
Andrew Gruenwald, New York, N. Y., assignor to Novelty Jewelry Corporation, New York, N. Y., a corporation of New York
Application March 14, 1944, Serial No. 526,428
7 Claims. (Cl. 49—29)



1. A device of the character described comprising a support having thereon a pair of oppositely positioned continuously rotating roller members, a plurality of axially apertured die members on the periphery of each roller and projecting outwardly therefrom and movable along therewith, the rollers being so disposed on the support as to bring successively the dies on one roller into aligned and abutting relation to the dies on the other roller during their rotation, aperturing means in one roller and means to gradually move the aperturing means through one set of dies and then into the dies of the opposing set on the other roller as and when the pairs of opposed dies are brought into aligned and abutting relation.

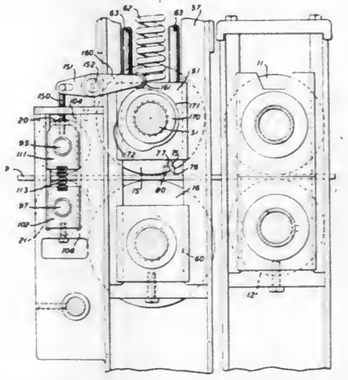
2,456,698
ELECTRIC WATER HEATER
Stanley W. Hall, Oshkosh, Wis., assignor to United States Motor Corporation, a corporation of Wisconsin
Application October 10, 1945, Serial No. 621,451
6 Claims. (Cl. 219—38)

1. In a displacement type water heater, a jacketed tank adapted to contain a body of water and having a lower cold water inlet and an upper warm water outlet, a water circulator tube mounted upright entirely within said tank spacedly between the tank inlet and outlet, the bore of said tube being slightly upwardly tapered, an



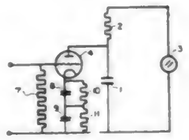
immersion-type electric heating element within a portion of said tube in the path of water circulating therethrough, and an internally baffled syphon head in the warm water outlet in substantial alinement with the upper end of said tube.

2,456,699
APPARATUS FOR SHEARING STRIPS OF PLASTIC MATERIAL
Estyle D. Hanson and Oscar G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1946, Serial No. 704,372
13 Claims. (Cl. 164—84.5)



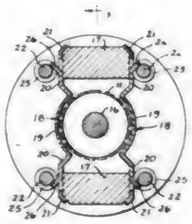
1. An apparatus for shearing strips of plastic material, which comprises means for advancing a strip of plastic material at a predetermined rate of speed, a pair of relatively movable rolls, means for driving the rolls to advance the strip from the strip advancing means at a rate of speed which is greater than the first-mentioned rate, means positioned between the rolls and the strip advancing means for reducing a portion of the strip to a membrane, and means for moving the rolls together and apart so that the strip is engaged tightly by both of the rolls when they are together and is engaged by only one of the rolls when they are moved apart, whereby the membrane is ruptured when the rolls are moved together.

2,456,700
DEVICE ADAPTED TO PRODUCE SAW-TOOTH OSCILLATIONS
Johan Haantjes, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 24, 1946, Serial No. 664,499
In the Netherlands November 20, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 20, 1962
3 Claims. (Cl. 250—36)



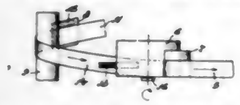
1. An arrangement for generating sawtooth oscillations having a predetermined periodicity, said arrangement comprising a condenser, a resistor, a source of constant potential connected across said condenser through said resistor, a gaseous discharge device having a control electrode, a first resistance-capacitance parallel network, a second resistance-capacitance parallel network, said device being connected in series with said first and second networks across said condenser, the discharge period of said first network being smaller than and the discharge period of said second network being greater than the oscillation period of the sawtooth oscillations to be generated, and means to apply the voltage developed across the series-connected first and second networks to said control electrode.

2,456,701
SPEED CONTROL MECHANISM FOR ELECTRIC MOTORS
William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to The Hansen Manufacturing Company, Inc., Princeton, Ind., a corporation of Indiana
Application July 18, 1945, Serial No. 605,776
7 Claims. (Cl. 172—36)



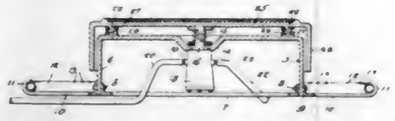
1. An electric motor comprising an armature and field member, said field member including a permanent magnet having a pole face adjacent the armature, a plurality of rods extending lengthwise of the armature, and a pair of oppositely disposed non-magnetic straps spanning said rods and adapted to supportably receive the permanent magnet between them.

2,456,702
FILM DRIVING APPARATUS
Johannes Adrianus Haringx, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 29, 1946, Serial No. 665,667
In Belgium February 9, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 9, 1965
6 Claims. (Cl. 88—18.6)



1. A device for moving and guiding a thin band-shaped carrier having a thickness of the order of tens of microns, comprising a film handling member having a longitudinal axis and having a surface extending in the direction of said axis and about which said carrier is positioned, means to continuously maintain said carrier positioned on said handling member at an angle departing from the normal to said axis to thereby helicoidally arrange said carrier on said handling member at all times during the operation of this device, and a stop member positioned in displaced relationship from said handling member along the path of said carrier to said handling member and adjacent one edge of said carrier to limit lateral movement of the carrier along the said axis of the handling member.

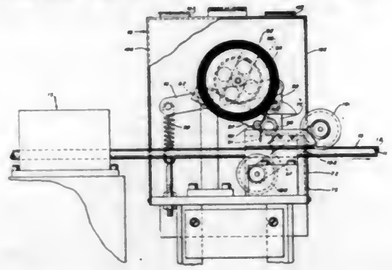
2,456,703
AUTOMATIC BATH SHOWER
Andrew H. Hatchette, Cleveland, Ohio
Application January 16, 1946, Serial No. 641,497
1 Claim. (Cl. 4—145)



A portable shower bath comprising a circular base having vertical side walls and having an open bottom, arms extending an appreciable distance outwardly from the base, a spray ring having discharge openings fitted around the base, the outer ends of the arms being curved around the spray ring, securing the ring in position, a water supply pipe connected with the spray ring, a valve in the water supply pipe controlling the passage of water therethrough, a circular platform fitted over the vertical side walls of the base in spaced relation therewith, springs disposed between the platform and base, normally holding the platform elevated, and said valve being connected with the movable platform and operated to open the valve by the weight of a person standing on the platform.

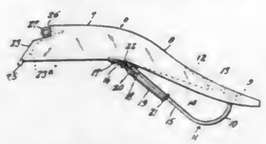
2,456,704
APPARATUS FOR TESTING AND MARKING INSULATED CONDUCTORS
George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 30, 1945, Serial No. 596,797
6 Claims. (Cl. 175—183)

1. In an apparatus for testing and marking insulated conductors including a test set for locating defects in an insulated conductor being advanced therepast, a tape-applicator, which comprises means for holding a pad of adhesive tape, means for pressing against the insulated conductor an end of the adhesive tape, means for actuating the tape-pressing means, means for moving the tape-pressing means away from the



insulated conductor a predetermined period of time after the tape-pressing means is actuated, and means for severing the tape when the tape-pressing means is moved away from the insulated conductor.

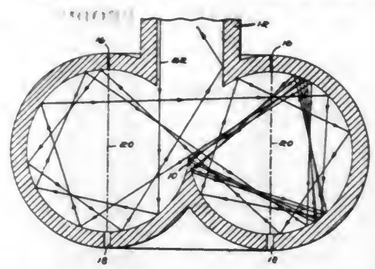
2,456,705
SINGLE HOOK WEEDLESS FISHING PLUG
Earl A. Herring, Donaldson, Pa., assignor of fifty per cent to Alice Dinger Herring, Donaldson, Pa.
Application March 30, 1945, Serial No. 585,633
1 Claim. (Cl. 43—39)



A single hook weedless fishing plug comprising an elongated buoyant body forming a float, said body having a rearwardly tapered and downwardly slanting tail portion, said tail portion having a slot and said slot being inwardly of the rear end of said tail portion, said tail portion having a kerf in its top side communicating with said slot, and being further provided with a longitudinal groove in its bottom also in communication with said slot, a conventional fishing hook having its bight portion operating in said slot and having its bill portion arranged for coaction with said kerf, an anchoring loop on the bottom of said body, said hook including a shank operable in said groove and provided with an eye, said eye being pivotally mounted in said loop, and a spring, one end of said spring being attached to said loop and the opposite end of said spring being formed with a lateral eye which embraces and is slidably mounted on the shank of said hook.

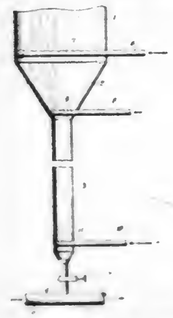
2,456,706
ACOUSTIC CHAMBER
Caperton B. Horsley, Stamford, Conn., assignor to Ultrasonic Corporation, Boston, Mass., a corporation of Massachusetts
Application February 2, 1946, Serial No. 645,224
7 Claims. (Cl. 259—1)

1. An acoustic chamber comprising walls forming a toroidal chamber, means for flowing material continuously through said chamber, an inlet located in the axis of the chamber for introducing compression waves therein, and a substantially conical projection disposed opposite said inlet



for reflecting compression waves from said inlet toward the sides of said chamber.

2,456,707
PROCESS FOR STRIPPING SPENT FLUID CATALYSTS
Percival C. Keith, Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y.
Application August 17, 1944, Serial No. 549,947
11 Claims. (Cl. 196—52)

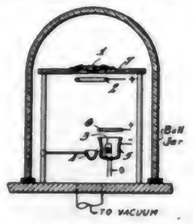


1. In hydrocarbon [illegible]version processes wherein hydrocarbons are [illegible]erted by passage through a fluidized mass of [illegible]inuted contact material and wherein said co[illegible]t material becomes fouled with carbonaceous [illegible]ter during the conversion and is subjected to [illegible]egeneration, the improvement of stripping hydrocarbons from fouled contact material through the fluidization of said fouled contact material with oxygen of not less than 95% purity.

2,456,708
APPARATUS FOR IMPROVING THE DURABILITY OF OPTICAL COATINGS
Edward W. Kellogg, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application May 1, 1944, Serial No. 533,554
5 Claims. (Cl. 91—12.2)

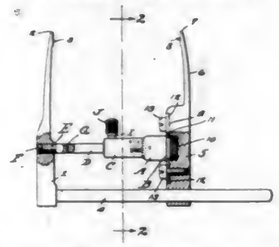
1. In apparatus for producing a thin durable layer upon an optical glass surface of a body, an evacuated chamber arranged to removably receive said body, means for evacuating said chamber, means for supporting said body in said chamber, means for vaporizing material within said chamber, a source of electrons within said chamber, said source comprising thermal responsive means located within said chamber and positioned from said vaporizing means, and means for generating an electrical field within said chamber, said field

being adjacent the path of the electrons for directing the stream of electrons from said source



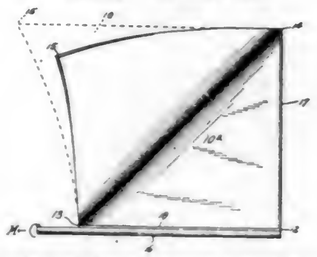
to said coated surface, whereby said layer is hardened.

2,456,709
MICROMETER ATTACHMENT
Charles L. Kemp, Klamath Falls, Oreg.
Application April 26, 1946, Serial No. 665,248
2 Claims. (Cl. 33—167)



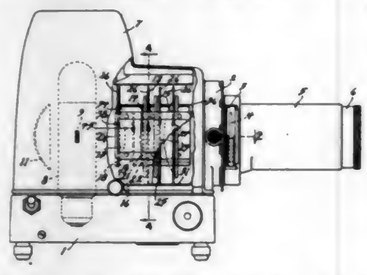
2. The combination with the thimble, sleeve and spindle of a micrometer, and means for holding the spindle adjustably to the sleeve, of opposed jaws, a guide rod extending from one of the jaws, the other jaw being slidably mounted on the rod and having a socket, the thimble of the micrometer being seated and rotatable within the socket, means detachably secured to the slidable jaw and cooperating with the thimble for retaining said thimble in the socket, an adjustable, detachable connection between the spindle and the other jaw, and extensions on the jaws projecting away from the rod, said extensions having inner working faces constituting means for engaging the outer surface of an object to be measured.

2,456,710
FAN BLADE
Andrew Kern, Orofino, Idaho
Application July 12, 1944, Serial No. 544,538
2 Claims. (Cl. 170—135)



1. A rotating fan structure comprising a rotating drive shaft, a plurality of curved fan blades each secured longitudinally along said shaft; each blade having been formed from a blank of substantially quadrilateral shape and having two straight edges of equal length at right angles to each other, one of said edges being secured lengthways of the drive shaft and the other forming the leading edge projecting radially from the shaft; the angle formed at the apex between the remaining two sides being less than 90° and the said apex and associated portion of the blade having a curvature resulting in locating the said apex a linear distance from the angle opposite said apex substantially equal to the length of the diagonal formed by taking the square root of the sum of the squares of the said sides of equal length.

2,456,711
ADJUSTABLE CONDENSER LENS FOR PROJECTION SYSTEMS
Norman T. Knutson, Chicago, and Paul C. Foote, Lake Bluff, Ill., assignors to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application March 14, 1947, Serial No. 734,750
3 Claims. (Cl. 88—24)

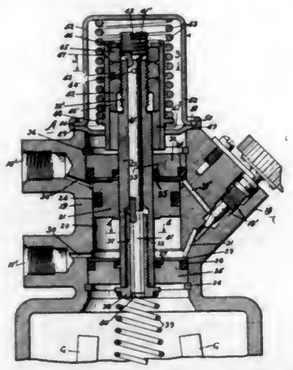


1. In an adjustable condenser lens for a projection system involving interchangeable projection lenses of preselected different focal lengths, the combination of a condenser lens comprising three components of which the middle component is shiftable relative to the end components to vary the equivalent focal length of the condenser and of which the end components are fixed relative to a light source of the projection system, and positioning means for positioning said end components and selectively positioning said middle component in a plurality of predetermined positions to approximately match the light cone from the condenser lens with the acceptance cone of any of said interchangeable projection lenses and comprising three carrier plates upon which said components are respectively mounted and a plurality of mounts greater in number than that of said components and predeterminately spaced longitudinally of the condenser lens axis and on the end mounts of which the carrier plates of said end components are respectively mountable and on the intermediate mounts of which the carrier plate of said middle component is selectively mountable, each of said mounts comprising a pair of parallel slide elements spaced transversely of and disposed on opposite sides of the condenser lens axis and with which opposite edge portions of a carrier plate is slidably engageable, and a single latch means operative to releasably retain said components on said mounts.

2,456,712
HYDRAULIC CONTROL MECHANISM
Arthur E. Kremiller, Glendale, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application March 13, 1945, Serial No. 582,460
5 Claims. (Cl. 60—54.6)

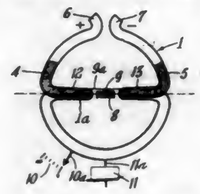
2. In a mechanism of the character referred to, in combination with a cylinder and piston

working therein, a piston rod extension from the opposite sides of said piston, one end of said piston rod being threaded and provided with a nut to function as a stop nut, a sleeve over the end of said piston rod and said stop nut and movable thereover, means interlocking the inside of said



sleeve and said stop nut against relative rotation, a spring over the outside of said sleeve and operable to automatically move said sleeve, said stop nut and said piston rod and piston to a predetermined position, and operating connections on the other end of said piston rod for engagement with the part to be moved.

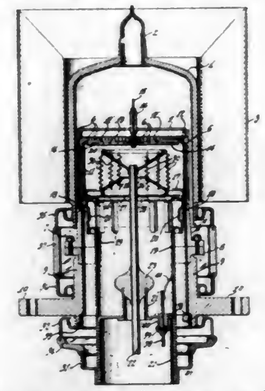
2,456,713
PRESSURE MEASURING INSTRUMENT
Albin Laternser, Horgen, Switzerland, assignor to Landis & Gyr, A. G., a body corporate of Switzerland
Application May 14, 1946, Serial No. 669,691
In Switzerland June 27, 1945
5 Claims. (Cl. 73—405)



1. A ring balance for measurement of small pressure differences having a hollow annulus the ends of which are uppermost and connectible to the pressures to be measured, said hollow annulus communicating at either side of its vertical center with a horizontally extending loop.

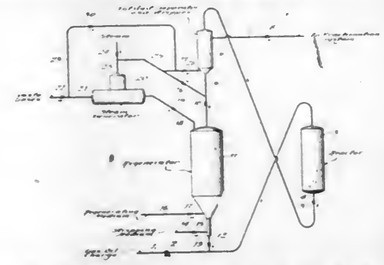
2,456,714
THERMIONIC CATHODE AND HEATER
Russell R. Law, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 11, 1947, Serial No. 760,407
6 Claims. (Cl. 250—27.5)

1. A cathode assembly comprising a cathode cylinder having a thermionically active outer surface, a hollow metal cone coaxial with said cathode cylinder and having a base at one end of said cathode cylinder and an apex facing the other end thereof, a second hollow metal cone coaxial with the first cone having a base adjacent to the other end of the cathode cylinder and an apex adjacent the apex of the other cone and



a plurality of heater wires extending from the base of one cone to the base of the other cone and conductively connected thereto.

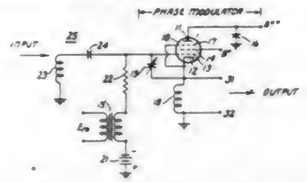
2,456,715
CONVERSION OF HYDROCARBONS
Frederick W. Leffer, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 15, 1945, Serial No. 635,325
11 Claims. (Cl. 196—52)



1. A catalytic conversion process which comprises introducing a suspension of solid catalyst particles in a fluid organic reactant into the upper portion of a reaction zone maintained at conversion conditions and containing a compact bed of said catalyst particles; passing said catalyst and reactant downwardly through said reaction zone and effecting conversion of said reactant therein; withdrawing the resultant reaction products together with contaminated catalyst from the lower portion of said reaction zone as a stream of catalyst suspended in said products; passing said stream, without addition thereto of any other transporting medium, to a separation zone disposed at a higher elevation than said reaction zone, the pressure in said reaction zone being maintained sufficiently high to effect the transfer of said stream to said separation zone; separating said contaminated catalyst from said reaction products in said separation zone; transferring separated contaminated catalyst by gravity flow from said separation zone to a regeneration zone disposed at substantially the same elevation as said reaction zone; passing an oxygen-containing gas upwardly through said contaminated catalyst in said regenerating zone to form a fluidized dense catalyst phase therein

and removing contaminants by combustion thereof; discharging hot regenerated catalyst from said regeneration zone into a stream of said fluid organic reactant to form said first-named suspension and passing the latter directly to said reaction zone.

2,456,716
PHASE MODULATION SYSTEM
Sidney W. Lewinter, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 25, 1946, Serial No. 699,169
8 Claims. (Cl. 332—27)



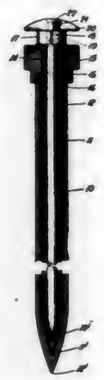
1. In a phase-modulation system; a vacuum tube having cathode, plate and grid; a source of alternating input voltage of predetermined frequency connected between said grid and a point of reference potential; a source of direct-current plate voltage connected between said plate and said point; a first reactance, having substantial magnitude at the frequency of said input voltage, connected between said cathode and said point, said first reactance being common to the grid-cathode and plate-cathode circuits of said tube; a second reactance of opposite sign connected directly between said grid and said cathode, the magnitude of said second reactance at the frequency of said input voltage being substantially larger than that of said first reactance; modulating means connected in the grid-cathode circuit of said tube for varying the tube's mutual conductance at a frequency lower than the frequency of said input voltage; and means for deriving an output voltage between said cathode and said point.

2,456,717
IMPREGNATING COMPOSITION COMPRISING COUMARONE INDENE RESIN, CETYL ACETAMIDE, AND ETHYL CELLULOSE
William P. Lowden, Pitman, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application February 16, 1945, Serial No. 578,362
5 Claims. (Cl. 260—17)

1. An impregnating and coating composition having good electrical properties comprising about 65 per cent coumarone-indene resin, about 13 per cent of a penetrant selected from the group consisting of vegetable oils and hydrogenated methyl abietate, about 10 per cent of a plasticizer consisting of the ricinoleate of ethylene glycol ethyl ether, about 7 per cent of cetyl acetamide wax and about 5 per cent ethyl cellulose.

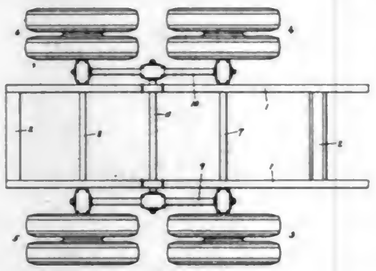
2,456,718
COMPOUND KNITTING NEEDLE
Davis Marinsky, Bronx, N. Y.; Louis H. Morin executor of the Estate of said Davis Marinsky, deceased
Application January 3, 1948, Serial No. 431
7 Claims. (Cl. 66—117)

1. A compound knitting needle of the character described comprising a plurality of telescoping needle members, means at one end of the needle members for maintaining all of the needle members in collapsed assembled relationship one with respect to the other, said means forming a head



for predetermined tubular needle members, the innermost needle member being in the form of a rod, and said innermost needle member having an independent head disposed beyond the first named head.

2,456,719
VEHICLE TANDEM AXLE RUNNING GEAR
William E. Martin, Kewanee, Ill.
Application April 20, 1946, Serial No. 663,654
1 Claim. (Cl. 280—104.5)



A structure of the character indicated comprising a quadrilateral frame of which the forward and rearward elements are axles upon which vehicle wheels are mounted, said axles having loops adjacent the wheels to receive the other elements of the frame, said other elements comprising lateral elements connecting the forward and rearward elements adjacent the wheels, spool-shaped rubber bushings connecting the frame elements at the corners of the quadrilateral frame, said bushings being under compression in the loops sufficient to prevent slipping between the rubber and the frame elements but allowing distortion of the frame in all directions, vehicle side frame members to which the quadrilateral frame is connected, the connecting means between the vehicle side frame members and the quadrilateral frame comprising loops, shaft-like means and rubber bushings connecting the loops and shaft-like means, the last mentioned bushings allowing distortion of the quadrilateral frame under stress and causing return of said frame to normal shape upon removal of said stress.

2,456,720
EASEL PICTURE FRAME
Carroll C. Miles, Leominster, Mass.
Application June 24, 1947, Serial No. 756,592
8 Claims. (Cl. 248—37)



2. A display frame adapted to be supported upright on either of two edges and comprising a backboard and a middle board, a rotary easel on the latter and the former having stop edges contacted by the easel to limit the rotary motion of the easel, the latter extending through the backboard between the stop edges.

2,456,721
CATALYST MANUFACTURE
Thomas H. Milliken, Jr., Moylan, Pa., and Irving H. Welinsky, Claymont, Del., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 2, 1945, Serial No. 619,896
11 Claims. (Cl. 252—259)

1. The process of preparing a catalyst which comprises forming an acid hydrogel of silica and zirconia in the pH range of 2.5 to about 6, subjecting the hydrogel to accelerated aging to a controlled extent in an atmosphere maintaining a moisture content of not less than 68% relative humidity under conditions including temperature in the range of 170–220° F., for a period within the range of about 45 minutes to three hours, then subjecting the hydrogel to rapid drying conditions effecting thereby moisture removal to abate further substantial aging, the recited rapid drying being continued until the hydrogel is brought to dried gel state.

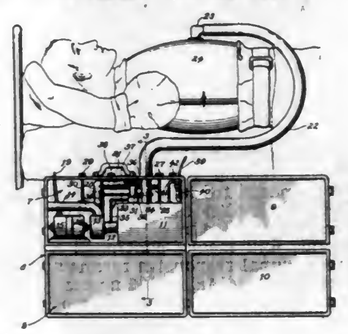
2,456,722
SELECTIVE COPPER SOLVENT FOR DIOLEFIN EXTRACTION
Charles E. Morrell, Westfield, and Miller W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1945, Serial No. 638,518
5 Claims. (Cl. 260—681.5)

1. A process for separating a C_5 diolefin from a C_5 mono-olefin in a mixture thereof which comprises selectively absorbing the C_5 diolefin in an alkyl amine cuprous salt complex solution having a pH value above about 10, leaving the C_5 monoolefin undissolved by said solution freed of the absorbed C_5 diolefin.

2,456,723
SELECTIVE COPPER SOLVENT FOR DIOLIFIN EXTRACTION
Leland K. Beach, Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 13, 1946, Serial No. 669,453
8 Claims. (Cl. 260—681.5)

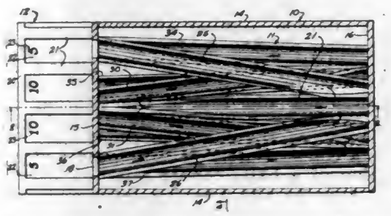
1. Improvement in separating an unsaturated hydrocarbon from a mixture containing a relatively more saturated hydrocarbon which comprises absorbing the said unsaturated hydrocarbon in a solution of an alkyl amine cuprous acetate complex containing from 1.5 to 10 mols of water per liter and in which the alkyl amine has from 1–4 carbon atoms and the mol ratio of alkyl amine to anion varies from 2.0 to 3.5.

2,456,724
RESPIRATOR
Wilbur J. Mullikin, Washington, D. C.
Application May 6, 1946, Serial No. 667,594
4 Claims. (Cl. 128—30)



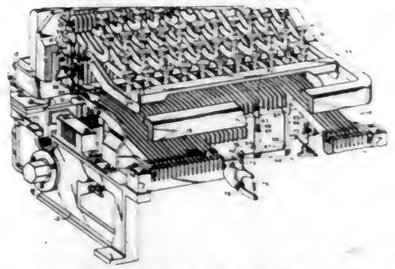
1. A respirator comprising a torso embracing jacket, an air pump having its vacuum end and its pressure end in communication with said jacket, valve means for alternately closing communication from said jacket to the vacuum end and the pressure end of said pump, and a vacuum motor in communication with the vacuum end of said pump to automatically operate said valve.

2,456,725
INCLINED RAIL BALL ROLLING CHANCE DEVICE
Charles N. Netherton, Gilman City, Mo.
Application January 16, 1948, Serial No. 2,728
5 Claims. (Cl. 273—120)



1. Game apparatus comprising sets of inclined grooved rails arranged in oppositely inclined directions so that the lower ends of the rails of one set communicate with the upper ends of the rails of the next lower set with the lower end of a single rail in simultaneous communication with the upper ends of a pair of rails disposed immediately below it, whereby a ball may be discharged from said single rail to either one of said pair of rails, and receptacle means having respective compartments communicating with the rails of the lowermost set of rails for receiving balls from said lowermost rails, said receptacle means providing scoring values for balls discharged from the various rails of said lowermost set.

2,456,726
TRANSLATING DEVICE
Robert G. Neuhaus, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 12, 1946, Serial No. 676,154
9 Claims. (Cl. 164—112)



1. A telegraph signal code translator including a perforator having a special key lever, a signal responsive means for initiating operation of said key lever, a plurality of normally operating key levers each controlled by individual signal responsive means, and means controlled by said first mentioned signal responsive means and effective upon operation of one of said normally operating key levers for causing full operation of said special key lever.

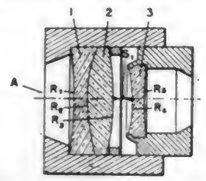
2,456,727
COPPER FUNGICIDES AND PROCESS OF PRODUCING SAME
Alexander A. Nikitin, College Park, Ga., assignor to Tennessee Copper Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 12, 1947, Serial No. 785,535
4 Claims. (Cl. 260—414)

1. The process of manufacturing copper fungicides which comprises reacting an aqueous solution of copper and aluminum salts with an alkali and a fatty acid soap, said copper salt being selected from the group consisting of copper sulphate, copper chloride, copper nitrate, copper fluoride, copper fluosilicate and copper lactate, and said aluminum salts being selected from the group consisting of aluminum sulphate, aluminum chloride, sodium aluminate, and normal aluminum acetate, said reactants being in the proportions of 100 parts copper salt to 5–30 parts aluminum salt to 0.5–3.5 parts fatty acid soap, alkali being added until the solution becomes approximately neutral thereby precipitating a basic copper-alumina-soap compound.

3. A copper fungicide containing a major proportion of a basic copper salt together with 1–10% alumina and 0.5–3.5% fatty acid soap, said basic copper salt being of the group consisting of basic copper sulphate, chloride, nitrite, fluoride, fluosilicate and lactate.

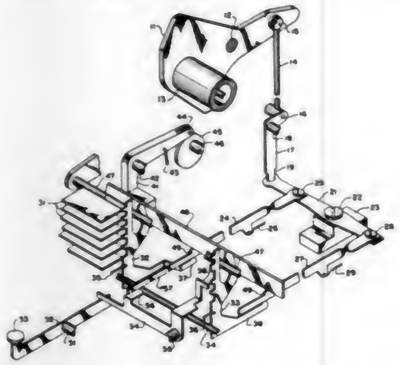
2,456,728
LENS SYSTEM WITH CHROMATIC ABERRATION AND WITHOUT NOTICEABLE MAGNIFICATION
Karl Yngve Öhman, Saltsjobaden, Sweden, assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden, a corporation of Sweden
Application August 30, 1944, Serial No. 551,878
In Sweden October 15, 1943
4 Claims. (Cl. 88—57)

1. A shooting glass consisting of a lens system comprising at least one positive lens of high focal power and at least one negative lens with principally the same focal power as that of the positive lens or lenses for a certain wavelength of visible light and with about 1.25 dioptric less focal power as that of the positive lens for another



wavelength of visible light, said positive and negative lenses being placed at a distance from each other which is small compared with the focal length of any of the lenses.

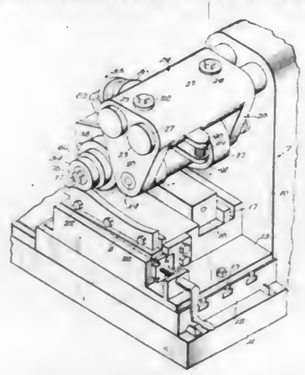
2,456,729
MANUAL UNSHIFT MECHANISM
William M. O'Neil, Oak Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 16, 1947, Serial No. 780,222
5 Claims. (Cl. 178—27)



1. In a telegraph printer, a plurality of function performing means, each of said function performing means being responsive normally to a signal corresponding thereto to cause a corresponding function to be performed, a special key, a lever operable when said special key is depressed for normally engaging one of said function performing means to cause it to perform its specified function, and means on said lever for engaging a second function performing means when a signal corresponding to said function performing means has been received to prevent said lever from engaging said first function performing means.

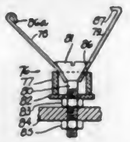
2,456,730
MILLING MACHINE ATTACHMENT
James G. Patton, Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application August 6, 1945, Serial No. 609,279
8 Claims. (Cl. 90—13.2)

1. In combination with a milling machine embodying a horizontally slidable power fed bed plate provided with means for holding a work piece and having a contour guide plate in side by side relation with the holding means, and in addition a rotary power driven arbor positioned over the bed plate and extending transversely of the path of movement of said bed plate, an attachment adapted in conjunction with the guide plate to mill the work piece to a contour corresponding to that of the guide plate and comprising a frame pivoted on the power driven arbor to swing upwards and downwards, an auxiliary arbor disposed in parallel relation with said power driven arbor, mounted rotatably on the distal portion of



the frame and provided with a cutter for milling the work piece, a guide element associated with the frame and arranged and adapted in connection with feed of the bed plate to engage the guide plate and cause the auxiliary arbor to swing in conformity with the contour of the guide plate, and means for driving the auxiliary arbor from the power driven arbor.

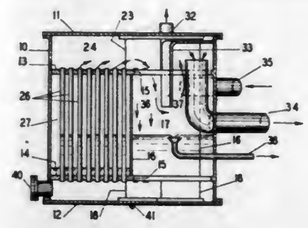
2,456,731
BIRDPROOFING
Julius Stanley Peles, New York, N. Y.
Application December 4, 1943, Serial No. 512,951
1 Claim. (Cl. 20—1)



Birdproofing including a series of free ended wires of such height and spacing as to prevent birds from roosting therebetween, a tubular member, an axial bolt in the member affording a continuous annular space therebetween and having a conoidal head partly above the member, said wires being angularly spaced with their lower free ends extending into the member between the upper edge of the member and the conoidal head of the bolt to form an upwardly divergent group, and means for tensioning the bolt to secure the wires.

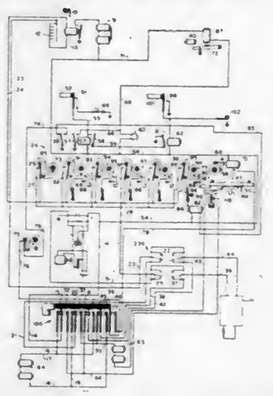
2,456,732
COMBINED EVAPORATOR AND BOILER
John E. Pottharst, Jr., New Orleans, La.
Application February 19, 1946, Serial No. 648,706
4 Claims. (Cl. 122—32)

3. A unitary evaporator structure comprising an outer enclosure, a bank of tubes in which a supply of the solution to be evaporated is maintained, a heating chamber through which said tubes extend, a second bank of tubes extending through said chamber and through which tubes hot gases are caused to travel, a baffle extending upwardly from the floor of the heating chamber and separating the lower portions of the two banks of tubes, means for maintaining a supply of liquid in the portion of the chamber walled



off by the baffle and surrounding the second bank of tubes, which liquid is boiled by the hot gases and the steam thus generated flows over the baffle and evolves vapors from the solution in the first bank of tubes, means for withdrawing from the evaporator the vapors thus evolved, and means for withdrawing from the chamber the condensate from the steam.

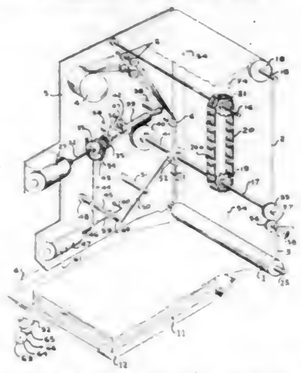
2,456,733
CIPHER CHECKING SYSTEM
Louis M. Potts, deceased, late of Evanston, Ill., by Martha W. C. Potts, executrix, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 27, 1946, Serial No. 672,466
3 Claims. (Cl. 178—22)



1. In a secret message transmission system, the combination of a first station, a second station, a communication channel associating said stations, means at said first station for selecting variable code combinations of impulses for transmission over said channel, ciphering means operating step by step in accordance with the operation of said selecting means to encipher said selected code combinations, means at said second station for receiving successive enciphered code combinations, deciphering means operative step by step in accordance with the operation of said receiving means to decipher said received code combinations, and means for checking whether the ciphering and deciphering means are in

phase comprising a transmitter at said second station inoperative during normal transmission and reception, means responsive to a special code combination transmitted by said first station, enciphered by said ciphering means, received at said second station, and deciphered by said deciphering means to condition said transmitter for operation, means operated by a subsequent enciphered code combination transmitted from said first station and deciphered at said second station for storing the deciphered code combination in the conditioned transmitter and for causing said transmitter to transmit the deciphered code combination enciphered by said deciphering means to said first station to be deciphered thereat by said ciphering means, whereby the proper reception of said code combination is indicative of the proper phase relationship between said ciphering and deciphering means, and means operative by another code combination to restore said transmitter to normal inoperative condition.

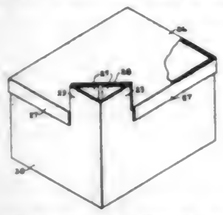
2,456,734
PAPER AND RIBBON FEEDING MECHANISM FOR MANIFOLDING MACHINES
Robert W. Ritzert, New York, N. Y., assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Original application April 28, 1943, Serial No. 484,810. Divided and this application June 6, 1945, Serial No. 597,840
7 Claims. (Cl. 197—126)



1. In a typing machine having a platen, first means shiftable to move paper to be typed over and across said platen, second means operable to move a ribbon transversely across said paper and axially along said platen, control means connected to effect movement of said first and second means in unison, said control means including an electric motor and a disengageable clutch, an electro-magnet for controlling said clutch, and a switch for controlling said electro-magnet, said switch being operable in accordance with the desired line spacing and sweep feeding operations.

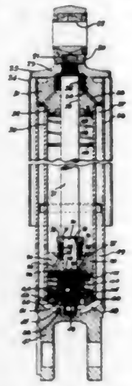
2,456,735
CONTAINER
Walter A. Roselle, New York, N. Y.
Application November 19, 1945, Serial No. 629,372
3 Claims. (Cl. 229—7)

1. A container comprising a body of angular cross-section and a top plate secured to the upper edges of the body, said body having a portion at one corner extending above the level of the top plate forming a spout, said extending portion having flanges bent toward each other, said top plate having an upturned flange secured to the



flanges of the extending portion of the body to form a permanently projecting spout.

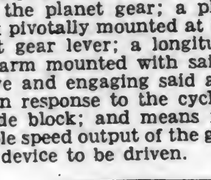
2,456,736
SHOCK ABSORBER
Edwin F. Rossman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 25, 1945, Serial No. 574,522
10 Claims. (Cl. 188—88)



1. An hydraulic shock absorber comprising in combination, a pressure cylinder; a piston slidably engaging the inner walls of said cylinder and comprising a solid body containing two sets of open ended passages, each set inclining from a large diameter circle on one side to a smaller diameter circle on the other side of said body, valves upon the sides mentioned of the body directly controlling the open ends of the passages at the smaller diameter circles, the open ends of the passages at the larger diameter circles being outside and always free of said valves; and a fluid metering groove of predetermined lesser fluid flow capacity than the passages in each end surface of said body, directly beneath each valve thereon so as to be covered by the valve, each groove interconnecting the open ends of the passages in each smaller diameter circle.

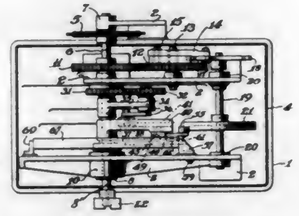
2,456,737
DISPLAY FIXTURE
Clemens Scheuer, Forest Hills, N. Y.
Application February 23, 1946, Serial No. 649,502
2 Claims. (Cl. 211—133)

1. A merchandise display fixture having the combination of a chain consisting of links hinged to each other, each of said links embodying an upright socket adapted for thereto securing the lower end portion of a post for carrying a merchandise display device, and said chain being capable of assuming a variety of convolutions so



as to constitute a supporting base for one or a plurality of said posts.

2,456,738
VARIABLE-SPEED DEVICE
Edgar H. Schmidt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 22, 1947, Serial No. 770,093
7 Claims. (Cl. 74—394)

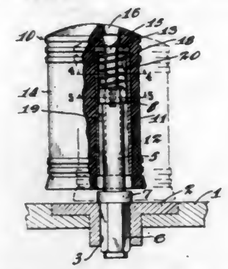


1. A variable speed driving device which comprises a planetary crank gear train having a rotatable drive shaft, a stationary sun gear, a planet gear meshing with the sun gear, a planet driving arm driven by the drive shaft, said driving arm carrying a stub shaft journaled therein and said stub shaft carrying said planet gear and a planet gear lever which are mounted on the stub shaft to turn integrally therewith, said planet gear lever having a radius greater than the pitch radius of the planet gear; a planet gear lever slide block pivotally mounted at the outer end of the planet gear lever; a longitudinally grooved rotatable arm mounted with said slide block in said groove and engaging said arm for rotating the arm in response to the cycloidal movement of the slide block; and means for transmitting the variable speed output of the grooved rotatable arm to a device to be driven.

2,456,739
ADJUSTABLE BIER PIN
Earl L. Schofield, Rockford, Ill., assignor to Superior Coach Corporation, Lima, Ohio, a corporation of Ohio
Application June 28, 1946, Serial No. 680,132
5 Claims. (Cl. 296—18)

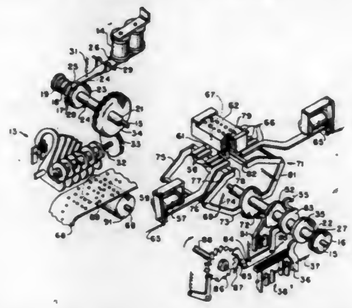
1. A bier pin comprising a cylindrical body member having therein an eccentric socket parallel with its axis, a spindle having one end mounted in said socket for limited longitudinal movement therein and having its other end projecting beyond the end of the body member and out-of-round for non-rotatable mounting, a portion of the spindle within the socket being out-of-round, a portion of the socket receiving said out-of-round portion for free rotation, and a longitudinally spaced portion of the socket being

shaped to engage said out-of-round portion in any



one of a plurality of relative axial positions and lock it in that position against rotation.

2,456,740
TAPE PERFORATOR
Reginald G. Schuler, Highland Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 22, 1946, Serial No. 678,572
6 Claims. (Cl. 178—92)

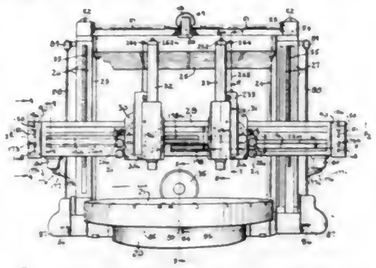


1. In combination, means to receive signal code combinations and a perforator including a tape to be perforated, a plurality of sets of punch instrumentalities successively conditionable by said means, a punch operator for each of said sets of punch instrumentalities, means for successively actuating said punch operators to successively punch rows of perforations in said tape, and means to periodically feed said tape a number of positions equivalent to the number of rows of perforations punched by said punch operators.

2,456,741
BORING MILL
Otto E. Schurr, Hamilton, Ohio, assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio, a corporation of Virginia
Application August 8, 1945, Serial No. 609,625
8 Claims. (Cl. 29—26)

1. In a vertical boring mill having a frame, a rotary work table on said frame, and a cross rail on said frame associated with said work table, a pair of tool carrying saddles movable in facing feed movements radially of the axis of said work table on spaced guide ways on said rail, hydraulic actuating means for moving said saddles in said facing feed movements comprising a pair of hydraulic cylinders rigidly mounted inside of said rail between said guide ways to form integral

strengthening members for said rail, pistons in said cylinders, piston rods, connected to said pistons, each extending along the side of the other



cylinder, and means connecting said piston rods to said saddles so that fluid pressure applied in said cylinders effects said facing feed movement of said saddles on said rail.

2,456,742

SEPARATION OF ISOMERS OF AMINO ACIDS

Anthony C. Shabica, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application January 10, 1947, Serial No. 721,451

11 Claims. (Cl. 260—534)

1. The process for the separation of dl-isoleucine in the form of the sodium salt from mixtures of dl-isoleucine and dl-allo-isoleucine, which comprises reacting said mixture with a hot solution of a substance selected from the group which consists of sodium and sodium hydroxide in a lower aliphatic alcohol, cooling the reaction mixture and removing the precipitated sodium salt of dl-isoleucine.

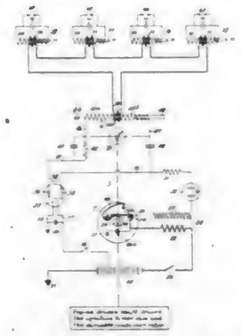
2,456,743

HIGH-FREQUENCY IGNITION SYSTEM

Brooks H. Short, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 23, 1945, Serial No. 606,645

19 Claims. (Cl. 315—210)



1. In an ignition system for an internal combustion engine having a spark-plug; a timer operated by the engine; an oscillator including a coil and a condenser; a resonator connected with the spark plug and inductively coupled with the oscillator coil; an oscillator control tube responsive to the application of a required voltage for causing operation of the oscillator; and means under control by the timer for effecting the application of the required voltage upon the control tube at the time when ignition is required.

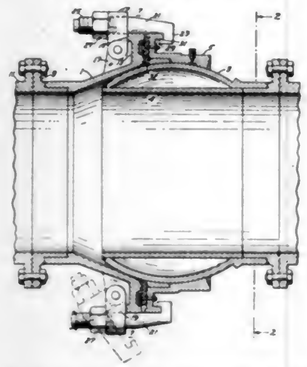
2,456,744

UNIVERSAL PIPE COUPLING

John G. Sjoberg, Oakland, Calif., assignor to Pacific Coast Engineering Company, Alameda, Calif., a corporation of California

Application January 11, 1947, Serial No. 721,640

5 Claims. (Cl. 285—94)



1. In a universal pipe coupling, a section; a plurality of bolts, each terminating at its head end in a hook and having its tail end threaded; a tightening nut threaded on each bolt; and means pivotally anchoring said bolts to said section at spaced peripheral locations, said means including a lug for each bolt pivotally secured to said section at its prescribed location, such lug having a passage therethrough for slidably receiving a bolt to permit arbitrary positioning of the same in such lug with its center of gravity to one side or the other of the center of said lug, preliminary to assembling said section in said coupling.

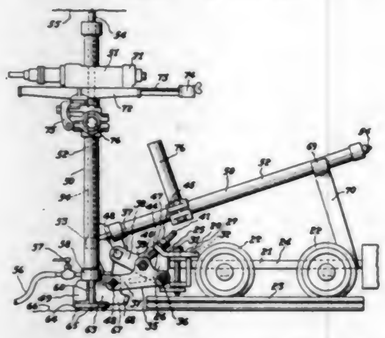
2,456,745

MOUNTING FOR ROCK DRILLS

Fred M. Slater, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application January 19, 1946, Serial No. 642,291

1 Claim. (Cl. 255—51)



A mounting, comprising a bracket, a link, a pivot connecting one end of the link to the bracket to permit of swinging movement of the link in a vertical plane, a column base, a pivot to connect the other end of the link to the column base and being arranged in parallelism with the first mentioned pivot, a screw pivotally connected to the intermediate portion of the link and extending slidably through the bracket at a point above the first mentioned pivot, a nut on the screw bearing against the bracket for moving the link and the column base about the first mentioned pivot, and a stop member on the column base underlying the link for engagement therewith to limit movement of the column base in one direction about the second mentioned pivot.

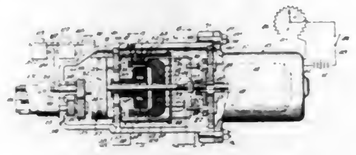
2,456,746

SPEED GOVERNOR

Ira J. Snader, Detroit, Mich., assignor to Avco Manufacturing Corporation, a corporation of Delaware

Application December 17, 1943, Serial No. 514,729

3 Claims. (Cl. 264—11)



1. A governor adapted to maintain an engine at a predetermined speed and comprising a rotary member provided with means for connecting it for drive by one of the operating parts of the engine, a second rotary member provided with means for driving it at a constant predetermined speed, a movably mounted speed control element, means automatically operative when the first mentioned member is driven at a speed different from the second mentioned member due to gradual acceleration or deceleration to move the element to a limited extent, and cam means operative automatically and substantially instantaneously when the first mentioned member is driven at a speed different from the second mentioned member due to abrupt acceleration or deceleration to move the element to a greater extent.

2,456,747

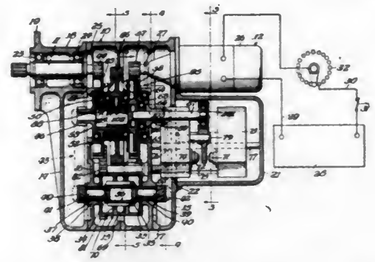
SPEED GOVERNOR

Ira J. Snader, Detroit, Mich., and Archibald Graham Forsyth, Cheam, England, assignors of one-half to Avco Manufacturing Corporation, a corporation of Delaware, and one-half to The Fairey Aviation Company, Ltd., Hayes, Middlesex, England

Application March 23, 1944, Serial No. 527,836

8 Claims. (Cl. 264—11)

1. A governor mechanism adapted to maintain an engine at a predetermined speed and comprising a rotary member provided with means whereby it may be connected for drive by one of the driven parts of the engine, a second rotary member provided with means for driving it at a predetermined speed, speed control means, means operative automatically when the first mentioned member is driven at a speed different from the second member due to gradual acceleration or deceleration of the engine from its predetermined speed gradually to actuate the speed control means, and means wholly separate from the fourth mentioned means, including a rotary part connected for drive by the first mentioned member, and operative automatically and substantially instantaneously when said first mentioned member is driven at a speed different from said



second member due to abrupt or sudden acceleration or deceleration of the engine from its predetermined speed abruptly to actuate said speed control means.

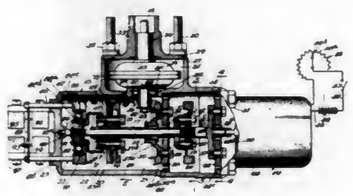
2,456,748

SPEED GOVERNOR

Ira J. Snader, Detroit, Mich., assignor to Avco Manufacturing Corporation, a corporation of Delaware

Application August 25, 1944, Serial No. 551,152

12 Claims. (Cl. 264—11)



12. A governor adapted for use with a prime mover and comprising a rotary member adapted to be driven by the prime mover, a second rotary member provided with means for driving it at a predetermined speed, a speed control element, means operative upon relative rotation of said rotary members to actuate said element, and an operating connection between the two members arranged and designed to limit relative rotation of said members and operative during drive of said members and in response to centrifugal action to urge the members to rotate conjointly.

2,456,749

BENDING MEANS

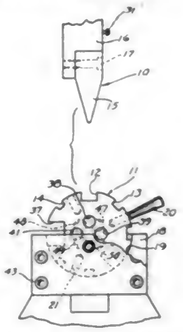
James P. Steibel, Racine, Wis.

Application January 12, 1945, Serial No. 572,459

9 Claims. (Cl. 153—21)

1. A sheet bending means comprising a base member having a seat therein at least in part circular in transverse cross section, a substantially cylindrical die member conforming to said seat and rotatably supported therein in imbedded relation, said die member having a plurality of longitudinal circumferentially-spaced slots, a punch member adapted to be brought into engagement with said longitudinal circumferentially spaced slots so as to bend a sheet of mate-

rial placed between said die and said punch, and



means to selectively position said slots in working position relative to said punch.

2,456,750

REACTION PRODUCTS OF PYRIDINE AND ALLERGENIC EXTRACTS OF PLANTS OF THE GENUS RHUS

Margaret B. Strauss, New York, N. Y.

No Drawing. Application March 31, 1945, Serial No. 586,026
13 Claims. (Cl. 260—236.5)

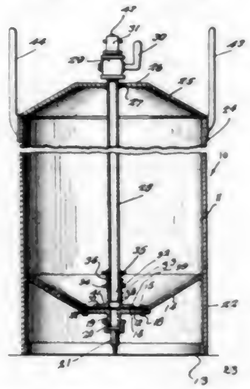
1. The process for preparing antigenic substances characterized by stability of physiological activity upon storage, that comprises directly treating parts of plants of the genus Rhus containing a non-proteinaceous physiologically active principle, with pyridine to form a reaction product of pyridine with said principle, treating the reaction product thus obtained with a substance selected from the class consisting of aqueous mineral acid solution and acidic aqueous alum solution to cause separation of a substantially insoluble allergenic product, and recovering said allergenic product.

2,456,751

GREASE GUN FILLER

Cole Strong, Estancia, N. Mex.

Application November 17, 1945, Serial No. 629,219
1 Claim. (Cl. 222—400)



A lubricant dispenser comprising a fluid-tight container having an axial filling opening in one end and an axial dispensing opening in its opposite end, a dispensing tube entering the container through the dispensing opening and terminating near the filling opening, a control valve at the outer end of the dispensing tube, a cover plate closing the filling opening, said cover plate having an air inlet opening in axial alignment with the dispensing tube, an air inlet check valve closing said air inlet opening, a baffle plate slidably mounted on the inner end of the dispensing tube, means yieldingly to urge the baffle plate toward the cover plate and an annular row of radially spaced lugs projecting from the under side of the baffle plate whereby the baffle plate will be spaced from the coverplate to form an annular passage through which lubricant may enter the discharge tube.

2,456,752

RESOLUTION OF RACEMIC TARTARIC ACID

Joseph D. Surmatis, Nutley, N. J., assignor, by mesne assignments, to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 2, 1946, Serial No. 666,827
7 Claims. (Cl. 260—536)

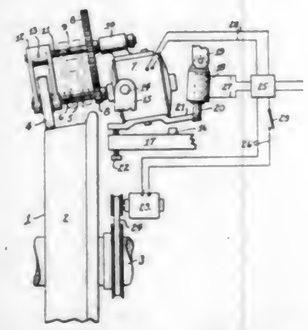
1. The method of separating racemic tartaric acid into its optically active isomers which comprises making a solution in hot water of racemic tartaric acid and 2-(d-gluco-d-gulo-hepto-hexahydroxy-hexyl)-benzimidazole, and removing heat from said solution while maintaining it with only its original constituents and thereby separating the resulting levo benzimidazole salt from the dextro salt.

2,456,753

CAR WHEEL GRINDER

Elmo E. Swanee, San Francisco, Calif., assignor of two-thirds to Monroe C. Kidder, Los Angeles, Calif.

Application May 12, 1945, Serial No. 593,431
6 Claims. (Cl. 51—254)



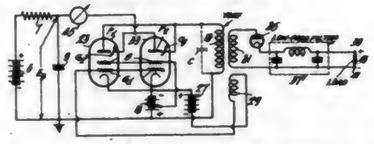
3. A machine for grinding the wheel of a railway car while in motion comprising a movable bracket, an abrasive grinding wheel rotatably carried by said bracket and positioned by the movement thereof in and out of contact with the tread of the car wheel, power transmitting means connecting the car wheel with the grinding wheel whereby said grinding wheel is driven by the rotation of said car wheel, and servo-motor means actuated by the car wheel and responsive to the speed thereof, said servo-motor means including a movable element connected with said bracket for moving the same.

2,456,754

ELECTRONIC SAW-TOOTH PULSE GENERATOR

George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 20, 1945, Serial No. 583,801
9 Claims. (Cl. 171—97)



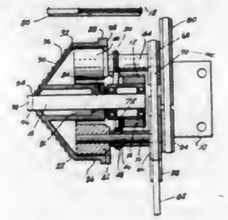
8. A high voltage unipotential system including a storage capacitor, a relatively low voltage unipotential source, means connecting said low voltage source to said capacitor to charge said capacitor, thermionic tube means comprising at least a cathode, a control electrode, a pair of secondary-electron-emissive anodes and a pair of secondary-electron-collector electrodes, each of said collector electrodes being responsive to secondary electrons derived substantially only from an adjacent one of said anodes, a transformer having primary and secondary windings, a discharge path for said capacitor including means connecting said capacitor to one of said anodes and to the one of said collectors adjacent to the other of said anodes for discharging said capacitor through said tube means and said transformer primary winding, a second discharge path for the capacitance of said transformer primary winding including means connecting said transformer primary winding to the other of said anodes and the other of said collectors adjacent said one of said anodes for discharging said transformer primary winding through said tube means and said capacitor, means including said transformer comprising a source of keying pulses, means for applying said keying pulses to said control electrode to effect alternate discharges of energy from said capacitor and said transformer, a rectifier responsive to high alternating potentials derived from said transformer, and means for deriving a high D. C. voltage for said rectifier.

2,456,755

HELICAL COIL BUTT GROUND WINDING MACHINE

Claude J. Terrell, Quincy, Ill.

Application January 31, 1947, Serial No. 725,626
3 Claims. (Cl. 153—64)



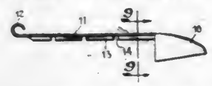
1. A device for forming helical ground coils, comprising a support, a rotary shaft journaled upon the support, a winding drum mounted upon the shaft for rotation therewith, the winding drum comprising a hub for engagement upon the shaft; an axial cylindrical portion spaced radially outwardly from the hub and including an inner annular flange having teeth formed thereon, a conically tapered portion arranged axially outwardly of the cylindrical portion and having an external spiral formation thereon, the outer end of the rotary shaft extending axially beyond the outer end of the conically tapered portion, an element mounted upon the support and engaging the teeth to prevent backward rotation of the winding drum, driving connecting means for rotating the winding drum, and manually operable means to control the rotation of the drum.

2,456,756

SHOE TREE

Chester Tietig, Park Hills, Ky.

Application November 23, 1945, Serial No. 630,238
3 Claims. (Cl. 12—128.1)



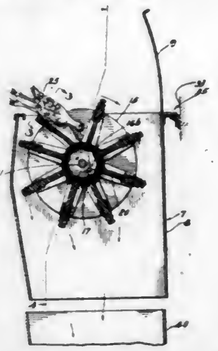
1. A shoe tree comprising a hollow curved toe portion of bent thin material of high resilience and high strength in proportion to its weight, said toe portion being open at its bottom, a resilient shank extending rearwardly from the toe portion being integral therewith, and a channel interrputed by openings, extending along the shank substantially on the middle line thereof the stock from which said openings were formed in said channel being depressed and camming surfaces formed on the ends of said depressions, some of which surfaces bear against each other when the shank is depressed during use of the tree.

2,456,757

POULTRY PICKER

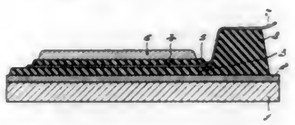
Frank C. Valenta, Burbank, Calif.

Application April 24, 1946, Serial No. 664,523
12 Claims. (Cl. 17—11.1)



1. In a poultry picker, a bobbin-shaped member, means whereon said member is mounted to rotate about its axis, a circumferentially spaced series of arcuate members mounted upon said bobbin-shaped member in which series the individual arcuate members have their opposite ends secured to the opposed flanges of said bobbin-shaped member with the concave side of the arcuate member directed outwardly, an elastic web carried by each said arcuate member and occupying the concave side thereof, said web when in an unstressed condition extending in a plane radial to the axis of said bobbin-shaped member, and a row of plucking fingers carried by the radially outward edge of said web.

2,456,758
BLOCKING-LAYER ELECTRODE SYSTEM
Willem Christiaan van Geel, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee
Application August 28, 1945, Serial No. 613,153
In the Netherlands April 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 21, 1961
9 Claims. (Cl. 175—366)

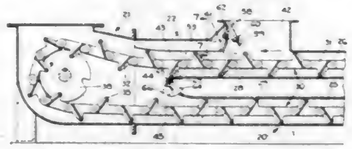


8. A blocking layer cell comprising a cathode electrode consisting of selenium, an anode electrode of which at least that surface portion facing the cathode consists of cuprous iodide, said cathode electrode having an electron emissive capacity not greater than the electron emissive capacity of said anode electrode, and a blocking layer between said electrodes, a selenium grid embedded in said blocking layer, said selenium grid having an electron emissive capacity not greater than the emissivity of said anode electrode, and said grid electrode also having an electron emissive capacity not greater than the emissivity of said cathode electrode.

2,456,759
ACETYLENE TETRAMETHACRYLATE AND POLYMERS THEREOF
Jesse O. White, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 16, 1943, Serial No. 506,552
4 Claims. (Cl. 260—83)

1. Acetylene tetramethacrylate.

2,456,760
ENDLESS CONVEYER, INCLUDING MOVABLE CUTOFF AND CULLING MEANS IN ITS FEED STRUCTURE
Paul V. Whitney, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application March 11, 1943, Serial No. 478,781. Divided and this application January 27, 1944, Serial No. 519,834
1 Claim. (Cl. 241—200)



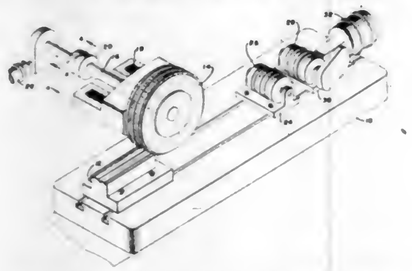
A conveyor including a casing having enclosing working and return runs, chain conveyor mechanism having flights which traverse substantially the entire cross-sectional area of said working and return runs, a feed hopper adjacent one end of the return run where material is fed thereto and conveyed reversely, a feed chamber rearwardly of said hopper adapted to receive said reversely fed material by way of a short feed section of the return run and feed it to the working run, said short feed section having a cross-sectional area greater than the normal cross-sectional area of the return and working runs, cut off and culling means movable under the influence of material to vary the effective size of the opening between the feed chamber and said working leg, said cut off and culling means including a swingable member pivoted adjacent its top, said swingable member having an arcuate bottom, a rearwardly projecting cutting and culling edge, means limiting its swinging movement in a rearward direction, and resilient means urging it rearwardly whereby some of the particles of material being conveyed from said feed chamber into said working leg will be culled out, other particles cut, and still others pressed between the flights of the chain conveyor mechanism upon entering said working leg.

2,456,761
RUGGED CATHODE
Paul D. Williams, Palo Alto, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application April 19, 1947, Serial No. 742,489
5 Claims. (Cl. 250—27.5)



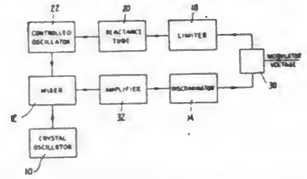
1. A carburized thoriated tungsten cathode having a layer of tungsten carbide and a bonding agent cementing the crystalline structure together in said layer.

2,456,762
APPARATUS FOR CRUSH DRESSING GRINDING WHEELS
John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application September 27, 1945, Serial No. 618,814
16 Claims. (Cl. 125—11)



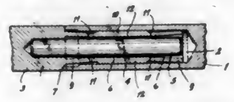
1. In a grinding machine; a work table; a grinding wheel movable relative to said work table; a dressing roller on said table; intermediate roller means on said table adapted to be shaped by the application of pressure thereto; means for transferring the configuration of said dressing roller to said intermediate roller means by bringing the same together under pressure and then rotating the said rollers at the same surface speeds; and means for transferring the said configuration from said intermediate roller means to said grinding wheel by bringing the same together under pressure and then rotating them at the same surface speeds.

2,456,763
FREQUENCY STABILIZATION
Marc Ziegler, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 26, 1943, Serial No. 488,582
6 Claims. (Cl. 179—171.5)



3. In the method of controlling the frequency of a source of an adjustable oscillation, the steps comprising generating a control voltage having amplitude variations proportional to frequency variations of the difference frequency between said adjustable oscillation and a pilot oscillation, controlling the frequency of said source proportional to the amplitude of said generated voltage, and limiting the generated voltage to amplitude variations within a given range of amplitude values at which said source is limited to frequency variations about only one condition of stable equilibrium.

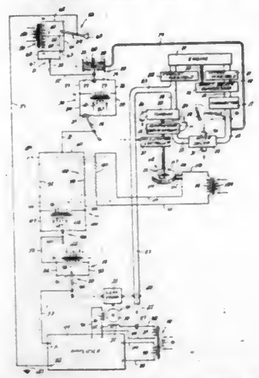
2,456,764
ELECTRICAL CONNECTOR
Peter J. Bach, Brentwood, and James H. Simpson, St. Louis, Mo., assignors to Mines Equipment Company, St. Louis, Mo., a corporation of Missouri
Application April 30, 1945, Serial No. 591,164
10 Claims. (Cl. 287—76)



1. A connector comprising a member having a cylindrical socket therein and a member having a hollow cylindrical plug adapted for endwise insertion in said cylindrical socket, said hollow cylindrical plug having a straight clylindrical portion of larger diameter than said cylindrical socket, said straight cylindrical portion of said cylindrical plug having a plurality of helical slits therein, whereby said straight cylindrical portion is adapted when compressed in the smaller diameter cylindrical socket to bear resiliently throughout its entire length against the wall thereof and thus frictionally resist endwise separation of said members.

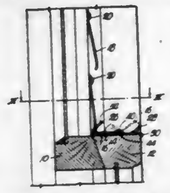
2,456,765
HOT-WIRE BRIDGE OVERSPEED CONTROLLER
George L. Borell, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 18, 1945, Serial No. 589,078
13 Claims. (Cl. 230—11)

1. An electrical control system for a variable velocity device, comprising in combination, a voltage responsive control means for said device for varying the velocity of said device, means including an electrical impedance means connected to said control means for varying the voltage applied to said control means in accordance with the impedance of said impedance means, thermally operated means responsive to an increase in velocity of said device above a predetermined maximum to vary the impedance of said impedance means at a rapid rate and apply to said control



means a voltage operative to cause said control means to reduce the velocity, said thermally operated means being thermally lagged to retard the rate at which the impedance value of said impedance means is returned to its normal value as said velocity diminishes.

2,456,766
SAFETY WINDOW LOCK
Harry E. Bundren and Victor A. Vicksell, Kansas City, Mo.
Application May 12, 1947, Serial No. 747,404
6 Claims. (Cl. 292—254)

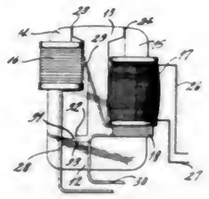


1. A lock for rectilinearly reciprocable windows comprising a plate member adapted for attachment to a window to be locked; a cam element swingably secured to said plate member; and shiftable means disposed in the path of travel of said window and positioned to limit the extent of movement of the window in one direction, said cam element being movable to and from a position rendering said shiftable means inoperable as the window is moved in said one direction, said shiftable means comprising a resilient stop, said cam element being operable to depress the stop out of the path of travel of said window.

2,456,767
COMBINATION OF MAGNETIC TRANSDUCING AND ERASING HEADS
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application November 29, 1945, Serial No. 631,682
14 Claims. (Cl. 179—100.2)

12. An electromagnetic transducer head for transducing signal energy between a traveling magnetic record medium and an electric circuit

comprising a core plate of relatively thin paramagnetic material having a base portion of three upstanding legs all disposed in substantially the same plane, the center leg of the three having a T-shaped extremity and the other legs, one on either side of said center leg, being substantially straight, the extremities of said side legs being disposed in slightly spaced relationship with the ends of the T-shaped extremity of said center



leg to provide non-magnetic gaps therebetween, a magnetic erasing coil on one of said side legs, an electric signal coil and a high frequency component coil on the other of said side legs, said high frequency biasing coil being serially connected with said erase coil, said side leg on which said transducer coil and said high frequency biasing coil is mounted being substantially longer than said side leg upon which said erase coil is mounted.

2,456,768

POLYFLUORINATED PROPIONITRILES

David W. Chaney, Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 28, 1946, Serial No. 680,055

5 Claims. (Cl. 260—465.7)

2. Nitriles of the formula $CF_2XCClXCN$ where X is selected from the group consisting of chlorine and fluorine.

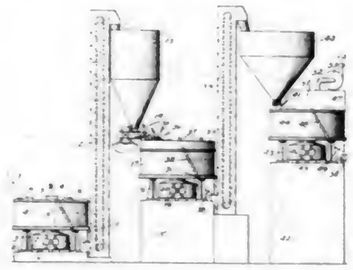
2,456,769

METHOD OF RECLAIMING FOUNDRY SAND

Alfred C. Christensen, Chicago, and Robert L. McIlvaine, Glencoe, Ill., assignors to Herbert S. Simpson, Evanston, Ill.

Application February 16, 1944, Serial No. 522,560

4 Claims. (Cl. 22—217)



1. In a method of conditioning used bonded foundry sand for re-use, the steps of first wet scrubbing and mulling the sand to break up the sand and to moisten the particles thereof so that the sand is thoroughly mulled in a paste-like form and thereafter while the sand is in said divided form with the grains thereof in a substantially free state transferring the sand to a heating station, and at said station contemporaneously heating and mulling the sand to loosen and substantially remove carbonaceous and combustible foreign material from the grains of sand.

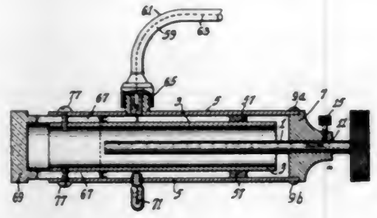
2,456,770

IMPEDANCE MATCHING DEVICE

John B. Dearing, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 14, 1944, Serial No. 522,224

1 Claim. (Cl. 178—44)



Apparatus of the character described, comprising in combination a source of high frequency electrical energy, a concentric resonant line constituted by an outer hollow cylindrical conductor, a calibrated inner conductor contained within and concentric with said outer conductor and an intermediate hollow cylindrical conductor nested between and concentric with and radially spaced from said inner and outer conductors, said conductors being composed of material having a high resistance to high frequency currents, said line having an open end and a closed end, a conductive end member at said closed end having an aperture therein, said inner conductor being of equal diameter with and slidable within said aperture whereby to form an adjustable connection at said closed end between said inner and outer conductors, said intermediate conductor extending from said open end towards, but spaced from, said end member, a connection from said source to said line, and a slidable calibrated short-circuiting cylinder adapted to be inserted between said outer and intermediate conductors at said open end to form an adjustable connection between said outer and intermediate conductors.

2,456,771

ELECTROMECHANICAL MECHANISM FOR ACTUATING CALCULATING MACHINES

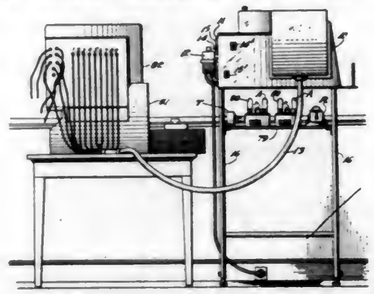
Michele Guglielmo de Simone, Stapleton, N. Y., assignor to A. Gifford Agnew, New York, N. Y.

Continuation of application Serial No. 438,890, April 14, 1942. This application June 14, 1947, Serial No. 754,751

8 Claims. (Cl. 235—61.6)

1. A record-controlled electro-mechanical mechanism for actuating a calculating machine having keys arranged in denominational columns and digital rows, means for feeding record cards having indicia differentially located in similarly arranged columns and rows, and indicia sensing device for each column, said record cards being fed past said sensing devices by said feeding means, an electrical circuit for each sensing device and closed thereby as an indicium is sensed, an electro-magnet in each circuit, a positioning bar for each column of keys and shifted in response to energization of a related electromagnet, a

plurality of key-operating members arranged in operative relation with the calculating machine keys, movable setting members carried by said operating members, each of the setting members in a denominational column being operated when the related positioning bar is shifted, a plurality of trapping devices, one for each digital row of keys and adapted to trap operated setting members in operated position, operating magnets for



each of said trapping devices, a distributor operated in timed relation to the record-feeding means, and circuits including said distributor, said operating magnets and a portion of said first-mentioned circuits, whereby the trapping devices operate to trap in each denominational column only that one of the setting members having a digital value corresponding to the indicium sensed in the related record column.

2,456,772

COUPLED CIRCUITS FOR HIGH IMPEDANCE AERIALS

Charles William Eggleton, Walton-on-Thames, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

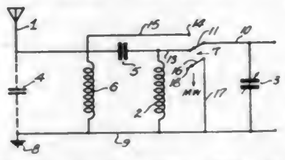
Application January 5, 1946, Serial No. 639,275

In Great Britain September 6, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires August 27, 1965

4 Claims. (Cl. 250—20)



1. In a multi-band receiver, first and second coils, a variable condenser, switch means for selectively connecting said condenser across each of said coils for tuning the receiver through different wavebands, a signal source, means for coupling said source to the first of said coils, and a capacity connected between the high potential sides of said coils, the arrangement being such that in one position of the band-switch means the variable condenser and the second coil constitute the tunable circuit of the receiver for one waveband and the first coil forms a parallel resonant circuit with a capacity which is constituted in whole or in part by stray capacity, said parallel resonant circuit being capacity coupled to the tunable circuit, and in another position of the band-switch means the variable condenser and the first coil constitute the tunable circuit of the receiver for another waveband and the second coil is short-circuited.

2,456,773

RESOLUTION OF NITROGEN BASE MIXTURES

Karl Henry Engel, Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 29, 1943, Serial No. 512,241

5 Claims. (Cl. 260—290)

5. In a process for resolving into its components a mixture of 3-picoline, 4-picoline and 2,6-lutidine, the steps that comprise treating the mixture with approximately the stoichiometric amount of zinc chloride to react with the picolines substantially completely to form picoline-zinc chloride addition product, subjecting the resulting mixture to steam distillation to remove said 2,6-lutidine substantially completely as distillate, decomposing the residual picoline-zinc chloride addition product to liberate therefrom a picoline mixture substantially free from other nitrogen bases, and precipitating 3-picoline as phosphate from said picoline mixture.

2,456,774

ISOLATION OF QUINOLINE FROM A MIXTURE OF NITROGEN BASES

Karl H. Engel, Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application June 27, 1945, Serial No. 601,937

4 Claims. (Cl. 260—283)

1. In a process for separating quinoline from a mixture thereof with closely-related, like-boiling nitrogen bases, in which mixture quinoline constitutes at least 70% by weight of the total bases present and in which quinaldine is present only in relatively small amounts, the step that comprises treating the mixture in the presence of water with a quantity of phosphoric acid sufficient to react with a substantial portion of the nitrogen bases to precipitate quinoline phosphate from an aqueous solution of the mixture, the amount of water present being sufficiently high to retain in solution substantially all the nitrogen bases except quinoline, and sufficiently low to cause substantial precipitation of quinoline phosphate.

2,456,775

HEAT EXCHANGER

Arthur J. Fausek and Irwing F. Fausek, Clayton, Mo.

Application November 16, 1944, Serial No. 563,647

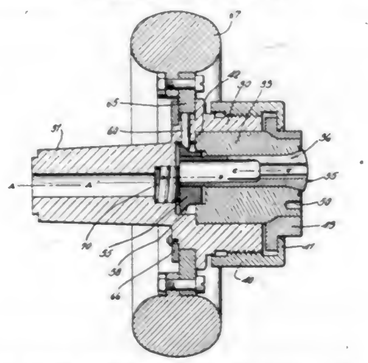
4 Claims. (Cl. 257—246)



1. A heat exchanger comprising an elongated housing which is closed at its opposite ends, an inlet conductor and an outlet conductor leading to and from the interior of said housing respectively, an inner tubular member extended longitudinally through said housing with the wall of said inner tubular member spaced from the wall of said housing, inlet and outlet conductors leading to and from said inner tubular member respectively for passage through said inner tubular member of a medium, an intermediate spirally corrugated tubular member disposed in the space between the wall of said inner tubular member and the wall of said housing, said spirally corrugated intermediate tubular member having a

convex spirally extended corrugation portion which contacts with the inner face of the wall of said housing and a concave spirally extended corrugation portion which contacts with the outer face of the wall of said inner tubular member, whereby one spiral passageway is provided through the heat exchanger by a spiral of said intermediate tubular member and an adjacent spiral portion of the outer face of the wall of said inner tubular member, and a second spiral passageway is provided through the heat exchanger by a spiral portion of said intermediate member and an adjacent spiral portion of the inner face of the wall of said housing, said spiral passageway formed by a portion of said intermediate tubular member and a portion of the wall of said housing communicating directly with the interior of said housing for passage therethrough of medium which enters said housing, inlet and outlet conductors leading to and from the other of said spiral passageways respectively for passage through said other spiral passageway of another medium, and a spiral element arranged in one of said spiral passageways.

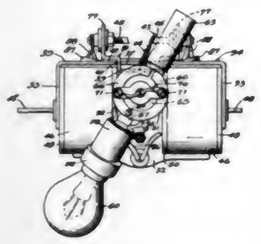
2,456,776
ECCENTRIC CHUCK
Rudolph E. Faust, Brooklyn, N. Y.
Application February 5, 1946, Serial No. 645,579
7 Claims. (Cl. 279—6)



1. A lathe chuck for turning eccentrics comprising an outer hollow body member having a bore parallel to but offset with respect to the axis about which the chuck as a whole rotates, a cylindrical inner block member adapted to fit within the bore of the outer member and having a bore parallel to but offset with respect to its cylindrical outer surface, a collet for grasping a lug on the article to be eccentrically turned slidably fitting within the bore of the inner member, and means including a clamping ring rotatively rigid and axially movable with respect to said outer body member for clamping said members together in adjusted position.

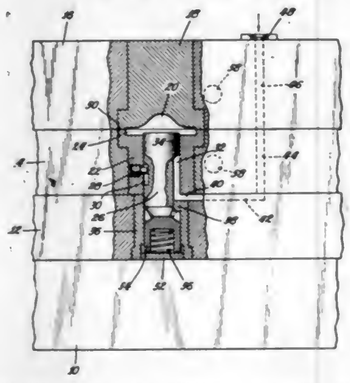
2,456,777
OSCILLATING MECHANISM FOR SWINGING MEMBERS
Jefferson C. Gibson, Chicago, Ill.
Application May 31, 1944, Serial No. 538,138
3 Claims. (Cl. 172—126)

2. An oscillating mechanism for a swinging member comprising a stationary frame, a rotatable shaft journaled in said frame, a reciprocating shuttle armature, a pair of spaced solenoid coils carried by said frame in surrounding relation to opposite ends of said armature, an arm carried by said shaft, one end of said arm cooperating with said armature to convert the reciprocal longitudinal movement of said armature to a reciprocating rotary motion of said shaft, a spring member secured at one end to the opposite end of said arm, the opposite end of said spring member being secured to a pivoted switch ele-



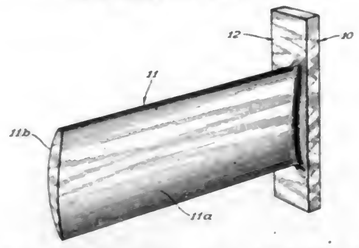
ment, said switch element having a circuit connection with said coils and being adapted to be snapped past dead center position with each swing of said arm, a pair of contacts positioned to be alternately contacted by said switch element and circuit elements connecting the respective contacts each with one of said solenoid coils for alternately energizing the coils.

2,456,778
INJECTION MOLDING OF PLASTIC MATERIAL
John E. Gilchrist, Chicago, Ill.
Application March 13, 1946, Serial No. 654,068
4 Claims. (Cl. 18—42)



1. Equipment for forming molded articles without gates which comprises: mold means defining a cavity having the configuration of a finished article; said mold means including a slidable plug member; said plug member having a passage opening into said cavity upon movement of said plug member into said cavity, and means for closing said opening on movement of said plug member out of said cavity; the area of said plug member exposed to the pressure in said cavity being greater than the area of said valve passage; means for delivering plastic material under pressure to said valve passage; resilient biasing means for holding said plug projected into said cavity with said valve passage open; and means for heating and cooling said molds.

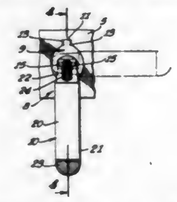
2,456,779
COMPOSITE MATERIAL AND SHAPED BODIES THEREFROM
Claus G. Goetzel, Yonkers, N. Y., assignor to American Electro Metal Corporation, Yonkers, N. Y.
Application July 8, 1948, Serial No. 37,617
In Great Britain January 27, 1947
13 Claims. (Cl. 75—22)



1. The method of making a composite shaped body, which comprises compacting powdered ferrous metal particles to form a shaped porous mass, contacting the mass with cuprous infiltrant associated with another metal selected from the group consisting of manganese, nickel, chromium, silicon and titanium, heating said contacted mass and infiltrant to melt the infiltrant and associated metal and infiltrate them into the mass, and further heating the infiltrated mass to temperatures above about 500° C. to alloy with said ferrous metal of the mass some of said cuprous infiltrant and associated metal thus carried into and distributed throughout said mass.

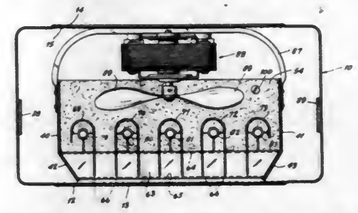
2. A composite metal article comprising a 70% to 90% sintered powdered ferrous metal matrix having intercommunicating pores, and a 30% to 10% cuprous metal infiltrant containing another metal selected from the group consisting of manganese, nickel, chromium, silicon and titanium filling said pores, and said matrix metal and infiltrant therein having been heat treated above about 5000 C. to alloy the said matrix metal with some of the infiltrant metal and other metal contained therewith in said matrix.

2,456,780
WINDOW LOCK
Frank C. Gorham, Los Angeles, Calif.
Application January 30, 1945, Serial No. 575,209
5 Claims. (Cl. 292—342)



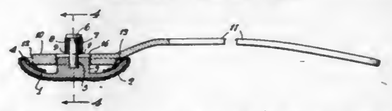
1. A window sash lock comprising, in combination, a fixed member adapted to be attached to an upper window sash, a wedge shaped member adapted to depend from said fixed member and to extend out into the path of the lower window sash to limit the vertical movement thereof, supporting means projecting outwardly from the face of one of said members and having a greater extent in one direction than transversely to said one direction, and means on the other of said members adapted to pass over and receive said supporting means only when the wedge-shaped member is turned at an angle to its vertical position whereby when said wedge-shaped member is in vertical position it is restrained from horizontal movement and is permitted only limited vertical movement.

2,456,781
BLOWER TYPE RADIANT HEATER
Edwin F. Hardey, Kansas City, Mo., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application October 5, 1945, Serial No. 620,542
6 Claims. (Cl. 219—39)



1. In a heater, a frame having four sides, a plurality of elongated heating coils extending between two sides and arranged in spaced relation across the frame, a plurality of substantially impervious elongated reflectors of heat conducting material having rounded backs and forwardly extending side walls shaped with respect to the heating elements to reflect heat from the elements forwardly through the front of the frame, one reflector being associated with each heating coil, said reflectors extending at least substantially the full length of the coils and opening forwardly of the frame, the side walls of adjacent reflectors being directed forwardly of the casing and spaced to provide air passages that can discharge forwardly toward the front opening, a fan support on the frame, a fan supported thereon behind the reflectors and positioned to direct air against the back walls of the reflectors and through the air passages, said frame and the foregoing parts being assembled as a unit, a casing having an opening, the assembled unit being insertable into the casing to discharge heat from the opening, and means to secure the assembled unit in the casing.

2,456,782
WASHCLOTH AND PAD HOLDER FOR THE BATH
Peter C. Hartman, Chicago, Ill.
Application December 6, 1944, Serial No. 566,794
2 Claims. (Cl. 15—231)



1. In a wash cloth and pad holder for the bath, a concavo-convex head for receiving a cloth about its convex and into its concave portion, a recessed riser disposed centrally of the concave portion of said head, a keeper freely received in said head for engagement with the cloth, said keeper formed with a perforation complementary to said riser to permit telescopic engagement therewith, said keeper when disengaged from said riser freeing the cloth for removal and replacement, a headed pin extending through the keeper perforation fixed into the recess in said riser, a flanged button pivotally arranged upon

said pin shaped complementary to said keeper perforation to permit telescopic engagement with said keeper in one position of said button relative thereto, the flanges of said button then extending beyond said keeper perforation, said button in non-telescoped relation with said keeper being adapted for disposal at an angle to said keeper perforation to retain said keeper upon said riser in binding engagement with the cloth, and a handle for said keeper.

2,456,783

SILOXANE COPOLYMERS

James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application November 27, 1942, Serial No. 467,146

8 Claims. (Cl. 260—46.5)

3. A copolymeric organo-siloxane comprising hydrocarbon-substituted silicon units which correspond to the formulae $RSi\equiv$ and $R'R''R'''Si-$, respectively, and which are interconnected by oxygen atoms through siloxane linkages, where R, R', R'' and R''' are monovalent hydrocarbon radicals which are attached to silicon through carbon silicon linkages, the silicon atoms of said units being the only silicon atoms in said organo-siloxane.

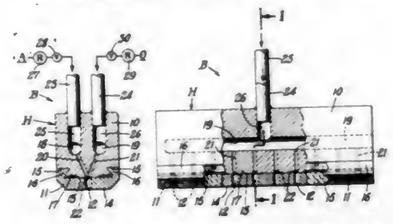
2,456,784

BLOWPIPE APPARATUS

Homer W. Jones, Westfield, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York

Application March 9, 1944, Serial No. 525,658

8 Claims. (Cl. 158—27.4)



1. In a blowpipe nozzle, the combination with a body of the type adapted to produce a post-mixed oxy-fuel-gas flame, having an inclined fuel-gas passage and an inclined oxidizing-gas passage converging at a common orifice in a surface of the body, which flame is subject to undesirable diffused shape rendering it unsuitable for welding, of means for improving the shape of such flame for welding, said means comprising a tip operatively associated with said body, said tip having a mixed-gas passageway extending from said surface to the outer surface of the tip, the cross-sectional area of said passageway being equal at least to that of both said passages, and the length of said passageway being of the order of twice the diameter of said passageway.

2,456,785

PRODUCTION OF AMIDES

John A. King, Albany, N. Y., assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 28, 1945, Serial No. 607,671

7 Claims. (Cl. 260—558)

1. A process for preparing carboxylic acid amides which comprises heating a ketone having the formula R—CO—R', where R is alkyl and R' is a member of the group consisting of alkyl and aralkyl, with aqueous ammonium polysulfide at 150–330° C.

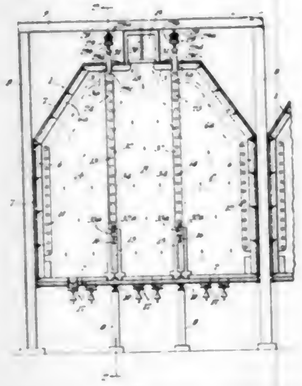
2,456,786

HEATING OF HYDROCARBON FLUIDS

Ludwig Kniel, Scarsdale, and Pierre Lambert, Jackson Heights, N. Y., and Herbert R. Treat, Teaneck, N. J., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware

Application May 18, 1945, Serial No. 594,410

13 Claims. (Cl. 196—110)



1. The method of cracking a hydrocarbon fluid, comprising conducting combustion predominantly within lower regions of each of two side-by-side zones, passing said fluid in a confined stream progressively in one vertical direction along a serpentine course through an outer wall region within one of said zones and remote from the other zone, to preheat the fluid predominantly by radiant heat, passing said preheated fluid from said course progressively downward in a confined stream along a serpentine course leading from a point materially higher than said first course downwardly between said zones, equally exposing opposite sides of said downward course to radiant heat from both zones and, in said downward course, further heating the fluid to a cracking temperature by direct radiant heat from both of said zones, by reflection of radiant heat upon an upper portion of the course and by discharge of the products of combustion of one of said zones across an upper portion of the course.

2,456,787

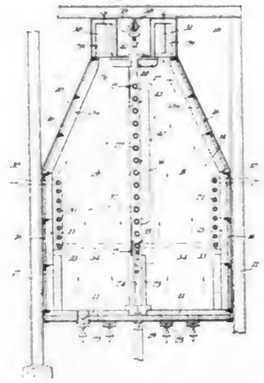
PROCESS AND APPARATUS FOR HEATING HYDROCARBON FLUIDS

Ludwig Kniel, Scarsdale, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application March 9, 1946, Serial No. 653,289

9 Claims. (Cl. 196—110)

1. The method of heating a hydrocarbon fluid, comprising conducting combustion within two side-by-side zones to effect a high degree of heating within regions of one end of the zones and progressively diminishing heating toward the opposite end of the zones, conducting said fluid in separate streams along confined courses within said highly heated regions and at the remote sides thereof and, within said courses, effecting preheating of the fluid predominantly by radiant heat, uniting said streams of the fluid thus preheated and conducting the preheated fluid along a relatively short confined course between said highly heated regions and in substantially equal exposure to radiant heat from said regions simultaneously and from the two regions together around substantially the entire cross section of the course, conducting the fluid from said relatively short course to a point between regions of the opposite end of the zones and thence along a longer confined course



between the zones and in substantially equal exposure to radiant heat from said zones simultaneously and from the two zones together around substantially the entire cross section of the course, and, in said longer course, advancing the fluid progressively toward said highly heated regions, and conducting combustion gases of at least one of said zones over said longer course to heat the fluid therein by convection also.

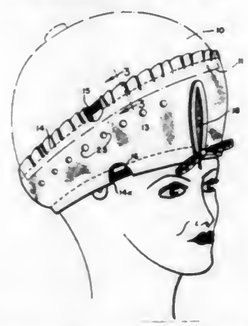
2,456,788

HAIR DRIER HELMET

Bernard Kritzer, Chicago, Ill.

Application February 28, 1947, Serial No. 731,651

3 Claims. (Cl. 34—90)



1. A helmet of the type described comprising a band adapted to encompass the hair of the wearer and including means at the upper and lower peripheries of the band for securing the helmet to the dryer hood and the customer's head respectively, said band having a hair-inspecting opening therethrough, and a closure for said opening hingedly secured along at least one edge thereof to said band.

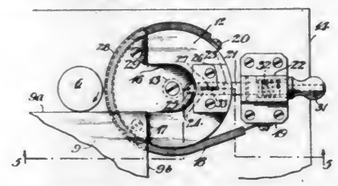
2,456,789

AUXILIARY ROLLER GUIDE FOR TEMPLATES

Emil F. Krohn, Centerville, Mich., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application December 7, 1946, Serial No. 714,754

7 Claims. (Cl. 33—23)



3. The combination of a template follower having a roller and means to rotate the same, a template having edge faces in contact with which said roller is adapted to roll and having a sharp corner at the intersection of two of the edge faces, guiding means for directing the movement of the roller around the corner of the template so that the path followed by the roller axis will have a corner corresponding in sharpness and angularity to that of the template corner, said guiding means comprising a member pivoted to turn about an axis which extends in the same direction as the roller axis and which is located externally of said template corner equidistant from the planes of said intersecting edge faces and spaced from each of such planes a distance substantially equal to the radius of said roller, said member having a slot into which the roller can move when it rolls off the first of said intersecting edge faces of the template, one side of said slot being substantially flush with such edge face and forming in effect an extension thereof when said member is in roller-receiving position, means for turning said member about the axis of its pivot from its roller-receiving position in which said slot is in position to receive the roller to a roller-discharging position, the other side of said slot being substantially flush with the second of said intersecting edge faces of the template when said member is in its roller-discharging position, and a stop for limiting the turning movement of said member when it reaches its roller-discharging position.

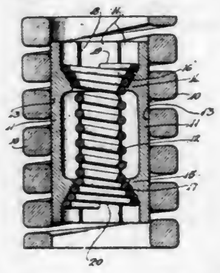
2,456,790

TRUCK BOLSTER SPRING

Charles P. Leese, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey

Application March 4, 1944, Serial No. 525,021

8 Claims. (Cl. 267—9)



2. A friction bolster spring for a railway car truck comprising a load supporting helical spring,

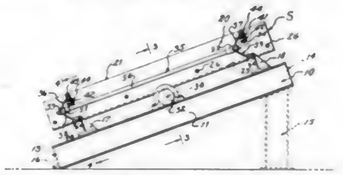
a plurality of friction shoes, arcuate in cross section, and arranged within the load supporting spring to bear directly against the inner perimeter thereof; each shoe being provided on its inner face with a pair of wedge forming faces which converge toward the longitudinal center of the load supporting spring and are positioned in horizontal alignment with the corresponding wedge forming face of an adjacent shoe, means for forcing the shoes outwardly including outwardly flared wedge portions engaging the wedge-forming faces on said shoes, and a tension spring arranged within the space defined by said shoes and connected to said wedge portions for pressing the shoes outwardly against the load supporting spring.

2,456,791

VIBRATING SCREEN

Arthur W. Lippmann, Milwaukee, Wis., assignor to Lippmann Engineering Works, Milwaukee, Wis.

Application September 10, 1945, Serial No. 615,252
1 Claim. (Cl. 209—326)



A vibrating screen comprising a base frame, a power driven eccentric shaft journaled on said base frame, a vibratory screen body supported substantially entirely upon said eccentric shaft and actuated thereby, and a stabilizing device for connecting the ends of the screen body with the ends of the base frame including a longitudinally extending floating bar, upstanding brackets secured to the base frame having supporting blocks, brackets secured to the screen body having supporting blocks, substantially V-shaped leaf springs having their opposite ends secured to the blocks and means clamping the bight portions of the springs to the terminals of the bar each of the bight portions extending toward the same end of the screen.

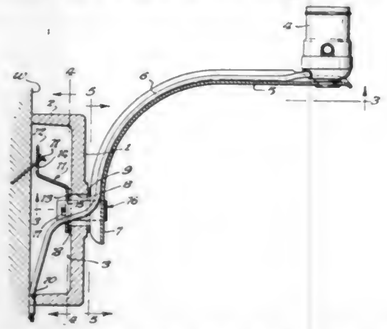
2,456,792

WALL BRACKET ELECTRIC LIGHT FIXTURE

Albert J. D. Ohm, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York

Application December 12, 1946, Serial No. 715,702
2 Claims. (Cl. 248—224)

1. A wall bracket electric light fixture of the "pin-up" type comprising a sconce of dish-shaped cross section having a wall engaging flange which provides a chamber, the body of the sconce having an opening which extends between its faces, an electric cord carrying arm for the support of an electric lamp socket, said arm having a vertical portion which adjoins the body of the sconce and extends across said opening, a hanger element enclosed within said chamber and having a part formed for supporting engagement with a wall carried nail or the like and also having an attachment part which adjoins the inner face of the body of the sconce adjacent said opening, said attachment part having an opening which registers with the opening in the sconce, a U-shaped clip extending through said openings and having a bow portion which projects beyond the sconce and is conformably engaged over the vertical part of said arm and also having parallel legs which project through said openings, means associated with the terminal portions of said legs and adjoining and cooperating with said attachment part to prevent relative displacement in an outward direction of said clip and said attachment part means within the chamber for



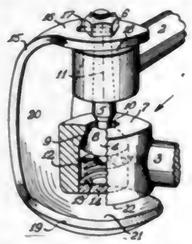
exerting pressure upon said attachment part whereby the hanger element, the sconce and the arm are connected as a unit and rigidly maintained in operative relationship, the electric cord passing through said openings into the chamber and thence through a recess in the flange of the sconce and having its portion which passes through said openings disposed between the legs of the clip.

2,456,793

SAFETY RETAINING DEVICE FOR PIVOTAL JOINTS

George Frederick Reed and William Henry Gould, Johannesburg, Transvaal, Union of South Africa

Application October 20, 1944, Serial No. 559,632
In the Union of South Africa December 8, 1943
9 Claims. (Cl. 280—96.1)



8. The combination of a brake backing plate and a steering arm rigid with said plate and fitted with a ball and socket joint, and a bracket on the backing plate positioned beneath the socket of the ball joint and spaced therefrom by a distance commensurate with preventing the members of the joint from parting.

2,456,794

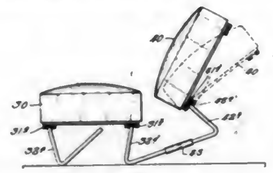
CONVERTIBLE FURNITURE UNIT

Ambrose M. Richardson, Chicago, Ill.

Application August 16, 1944, Serial No. 549,674
12 Claims. (Cl. 155—196)

11. A furniture unit, comprising, a supporting member having a rigid base portion having two sides, connector devices attached along the two

sides of said base portion, a plurality of rod-like legs each having an acute angle bend intermediate of its length and forming a knee-portion adapted to rest on the floor and an upper and lower section, each of said upper sections having



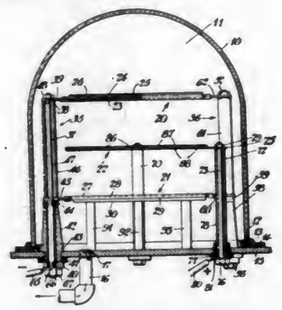
on its upper end a plate adapted to be detachably connected with one of said connector devices, and each of said lower sections forming an upwardly extending acute angle with the floor when the knee-portion rests thereon.

2,456,795

CATHODE SPUTTERING APPARATUS FOR COATING OSCILLATOR PLATES

Wallace H. E. Samuelson, Weehawken, N. J., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa., a corporation of Pennsylvania

Application October 6, 1945, Serial No. 620,721
5 Claims. (Cl. 204—298)



1. In apparatus for depositing films of metal on quartz oscillator plates and the like, means defining a chamber, a pair of vertically spaced cathodes in said chamber and of the metal to be deposited, an anodic support in said chamber for the plates having an upper plate supporting surface, said support horizontally disposed and located substantially midway between said cathodes, said support provided with a vertically extending hole of a size across which a plate may be disposed with the plate in contact with said upper surface of the support about said hole whereby that portion of the lower face of the plate exposed through the hole and the entire upper face of the plate will be covered with films of metal from said cathodes.

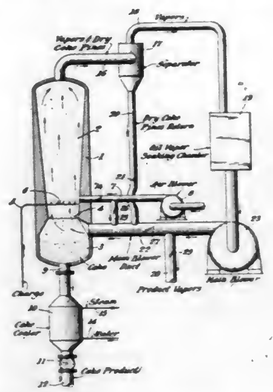
2,456,796

HYDROCARBON COKING

August Henry Schutte, Hastings on Hudson, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application September 28, 1944, Serial No. 556,261
13 Claims. (Cl. 202—8)

1. The method of coking heavy oil comprising, injecting particles of said oil into a generally upwardly moving current of heated gases and vapors in a confined space while supplying sufficient combustion air for partial combustion, burning part of the contents of said space for converting said oil particles into coke particles, and control-



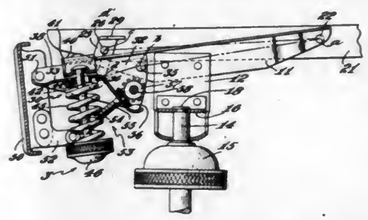
ling the velocity of said contents of said space in such manner that coke particles above a predetermined size drop out of the contents of said space for collection as production coke while drawing off coke particles below a predetermined size from the upper portion of said space.

2,456,797

CHAIR IRON FOR TILTABLE SEATS AND BACKS

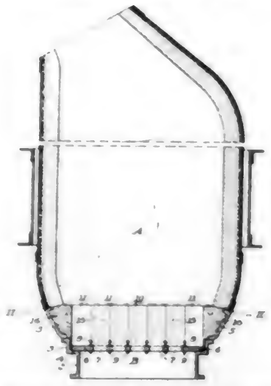
Henry W. Sheldrick, Gardner, Mass., assignor to Collier-Keyworth Company, Gardner, Mass., a corporation of Massachusetts

Application May 25, 1945, Serial No. 595,684
2 Claims. (Cl. 155—77)



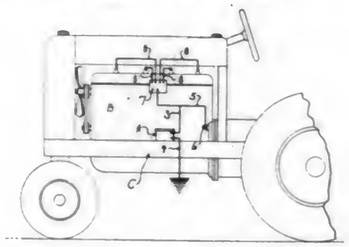
1. In a chair of the type having separate seat and back members, a chair iron for supporting the seat and back members for simultaneous tipping movement, comprising a fixed member, a seat-supporting member pivotally connected to said fixed member adjacent to one end, a back-supporting member pivotally connected to said fixed member adjacent to its opposite end, a link pivotally connected to said seat-supporting member and to said back-supporting member, the upper end of said link having a stop engageable with said fixed member for limiting the downward tipping movement of said seat-supporting member relative to said fixed member, and resilient means constructed and arranged to react against said fixed member and said back-supporting member so as to oppose downward tipping movement of the seat member with a greater force than the force opposing rearward tipping movement of said back member.

2,456,798
BOTTOM STRUCTURE FOR BESSEMER CONVERTERS
Edwin E. Slick, Pittsburgh, Pa.
Application October 6, 1944, Serial No. 557,516
15 Claims. (Cl. 266—35)



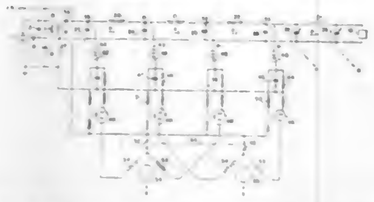
1. A converter bottom comprising a metal supporting plate having a plurality of rows of openings therein, a plurality of contiguous rows of bricks standing on end with their edges in contacting relation resting on the top of the plate, the bricks extending along and over the rows of openings, some of the bricks providing passageways through the brick work which register with the openings in the plate, and interfitting means on the top of the plate for holding the bricks on the plate, said interfitting means comprising rails whose flanged portions fit into grooves formed on the side edges of the smaller dimensions of the bricks.

2,456,799
MAGNETO CUTOUT MERCURY SWITCH FOR TRACTORS
Melvin J. Smies, Sheboygan, Wis.
Application January 24, 1947, Serial No. 724,101
1 Claim. (Cl. 180—82)



In a tractor frame attachment for grounding the ignition circuit system of a tractor comprising a closed horizontally disposed housing secured to the tractor frame upon a horizontal plane, the same being provided with an obliquely disposed wall; a make and break switch comprising an upwardly inclined tube seated upon the obliquely disposed housing wall and interrupted by a restricted passage to form a lower chamber and an upper chamber, a volume of mercury normally filling the lower chamber, whereby it is confined against splashing, due to minor vibrations of the tractor, and a pair of electric conductors extending into the end of the upper tube chamber, in circuit with the ignition system, whereby said ignition system is grounded when the front end of the tractor reaches a sustained elevation of approximately 30°.

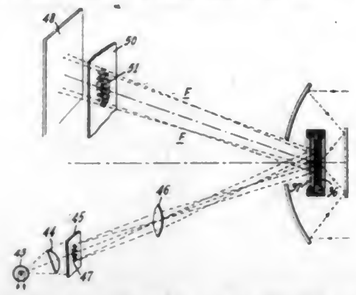
2,456,800
IMPEDANCE MATCHING ARRANGEMENT
Maurice K. Taylor and John Greenhalgh, Hollinwood, England, assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application August 3, 1945, Serial No. 608,686
In Great Britain December 1, 1944
14 Claims. (Cl. 178—44)



1. A wave-translating arrangement comprising, a guide for electromagnetic waves effective to establish current and voltage conditions along its length in accordance with its operating wave length and the magnitude and phase angle of a load impedance connected to said guide at a predetermined point, a first pair of pickup devices coupled to said guide for developing a first control effect determined by the ratio of predetermined ones of said current and voltage conditions at two selected points so spaced along said guide with respect to said predetermined point that said first control effect varies with the effective magnitude of said load impedance, a second pair of pickup devices including at least one device in addition to said first pair and coupled to said guide for developing a second control effect determined by the ratio of predetermined ones of said current and voltage conditions at two selected points so spaced along said guide with respect to said predetermined point that said second control effect varies with the effective phase angle of said load impedance, and means for utilizing said first and second control effects so to vary the effective magnitude and phase angle of said load impedance that said ratios approach predetermined values.

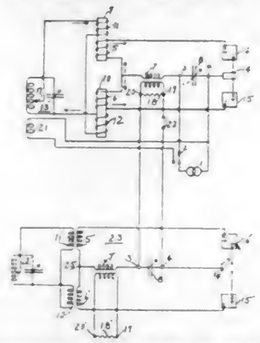
2,456,801
OPTICAL HEAT DETECTION SYSTEM
William A. Tolson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 14, 1944, Serial No. 522,346
7 Claims. (Cl. 250—83)

4. In a heat detecting system, a plurality of heat-responsitive cells forming a mosaic, each cell operating to transform heat waves into compression waves, a light-reflecting element, an optical system including a plate having apertures arranged in the same geometrical pattern as said cell mosaic for projecting beams of light on said element respectively opposite said cells, said plate being so located that circles of light on said mosaic due to said apertures are approximately the same dimension as the individual cells in the mosaic, means actuated by the compression waves in the respective cells for varying the contour of said element according to the amplitude variations of the respective waves thereby to deflect the light beams reflected from said element, a second plate having apertures respectively registering with the reflected light beams, said apertures being arranged in the same geometrical pattern as said cell mosaic, and a screen receiving



the respective modulated light beams from said second plate to produce visibly an image informative of the object from which said heat waves emanate.

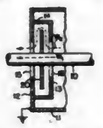
2,456,802
OSCILLATOR SYSTEM
Philip J. Walsh, San Francisco, Calif.
Application July 22, 1946, Serial No. 685,335
5 Claims. (Cl. 250—36)



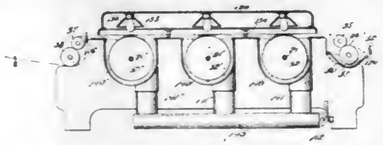
1. In combination, a tuned circuit having two branches and a common branch, a source of direct current in each of said two branches, and means including a source of alternating current potential coupled to said common branch to alternately oppose the flow of current from one of said direct current sources while increasing the flow of current through the other direct current source during each cycle, and an output circuit coupled to said common branch.

2,456,803
HIGH-FREQUENCY ENERGY LEAKAGE SUPPRESSOR
Harold A. Wheeler, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application March 15, 1946, Serial No. 654,566
11 Claims. (Cl. 178—44)

11. A by-pass arrangement comprising, a conductor of electrical currents a conductive shield structure having an aperture through which said conductor projects, and a transversely extending planar conductive electrode structure comprising a segmented disc having a radius approximately equal to an odd integral multiple of one-quarter wave length corresponding to a preselected signal frequency, said segmented disc comprising a pair of diametrically opposed and similar sectors connected to said conductor but spaced from said shield and providing with said shield and said conductor at least two parallel paths of such different lengths that signals of said frequency are transmitted therethrough in phase opposition, thereby effectively to suppress transmission of signals of said frequency through said aperture.

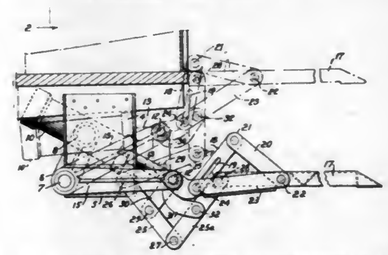


2,456,804
THREAD FINISHING MACHINE
Albert E. Winslow, Norwich, Conn., assignor, by mesne assignments, to Universal Winding Company, Cranston, R. I., a corporation of Massachusetts
Original application January 11, 1944, Serial No. 517,862. Divided and this application December 9, 1944, Serial No. 567,388
5 Claims. (Cl. 34—154)



1. In a thread finishing apparatus, a heating unit through which sized threads pass comprising brushes positioned to engage the threads to distribute the size thereon, a heating chamber for drying said size on the threads positioned directly over said brushes and comprising top, side and end walls with an open bottom over the threads, means for feeding the threads through the chamber, means in the chamber to generate heat, a casing about said brushes opened at one end adjacent the path of the threads and having an opening in a wall opposite the opened end, said brushes drawing the heat downwardly through the threads and out through said opening to dry the threads.

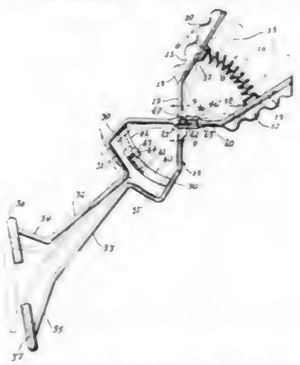
2,456,805
SIDE GATE ELEVATOR FOR TRUCKS
Walter W. Wohlforth, San Francisco, Calif., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 1, 1947, Serial No. 731,753
6 Claims. (Cl. 214—77)



1. A platform as described comprising, a highway truck having a doorway formed in the side

thereof and a shallow recess formed in the side edge thereof the truck floor to coincide with the width of the door opening, an elevating platform operative as a closure for the said doorway, and platform operating means for said platform comprising supporting means depending from the truck body, an hydraulic cylinder associated with the supporting means for rotative movement on a horizontal axis, a horizontally disposed bar carried by the outer end of the hydraulic cylinder, a shaft rotatively mounted relative to the supporting means, and parallelly arranged relative to the horizontal bar, bearing members centered upon the axis of the said shaft and supporting said bar, a bell-crank shaped element projecting forwardly from one of said bearing members and having a slot formed longitudinally therein, a link pivotally attached to the outer end of said element at one end and to the platform at its other end, a link pivotally connected to said last mentioned end having slidable connection with the element and a parallel motion linkage connecting the supporting means with the rear edge of the platform.

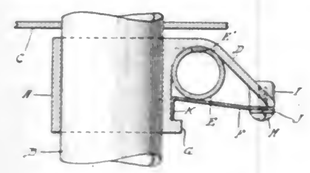
2,456,806
VAGINAL GAUGE
Erwin B. Wolffe, Chicago, Ill.
Application January 14, 1947, Serial No. 722,001
4 Claims. (Cl. 33—174)



1. A vaginal gauge of the character described comprising, a pair of crossed lever members articulately secured intermediate their ends, each of said lever members provided with a terminal handle portion and an arcuate gauging portion secured to its other terminus, spring means confined between the handle portions of the said lever members normally urging the said handle portions and the gauging portions in spaced relationship, and equalizer fulcrum means comprising, a pivot secured to one of the said lever members, the other of said lever members being provided with a slotted portion slidably and articulately mounted on the said pivot, a pinion secured to the said pivot, and rack means on the said lever member in meshing engagement with the said pinion.

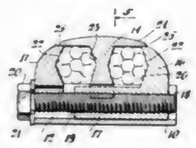
2,456,807
ANTIFREEZE DRAIN FITTING
John J. Yindrock and John Van Vulpen, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation, a corporation of Delaware
Application August 9, 1946, Serial No. 689,546
2 Claims. (Cl. 138—32)

2. An anti-freeze connection between a water drain conduit and a conduit containing heating medium, comprising a metallic element formed with a cylindrical sleeve adapted to fit over the outer surface of the drain conduit, an angular flange extending outwardly from the sleeve and cooperating therewith to embrace and engage a



portion of the conduit for the heating medium, and means for clamping the device to the last mentioned conduit comprising a clamping plate of angular configuration reversibly secured to the said sleeve and said angular flange to accommodate conduits of different diameters.

2,456,808
LINE TAP CLAMP
Stephen P. Becker, Poughkeepsie, N. Y., assignor to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y., a corporation of New York
Application October 23, 1947, Serial No. 781,562
5 Claims. (Cl. 24—81)

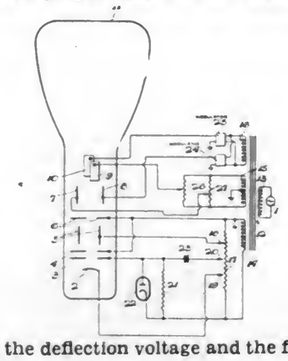


1. A clamp including a body, a jaw fixed with respect to said body and extending outwardly from one end of the same, a second jaw mounted for slidable movement towards and away from said first jaw, means supported by said body and cooperating with said second jaw for moving the same, a separator bar slidably supported by said body and interposed between the inner faces of said jaws, the upper edge of said separator bar extending into a plane beyond that in which the upper edges of said jaws extend and cable retaining means projecting from the extended portion of said bar in the direction of said jaws.

2,456,809
CATHODE-RAY TUBE
Leslie Herbert Bedford, London, and John Bell and Eric Miles Langham, Teddington, England, assignors to A. C. Cossor Limited, London, England, a British company
Original application November 30, 1943, Serial No. 512,402. Divided and this application July 26, 1946, Serial No. 686,476. In Great Britain November 30, 1942
14 Claims. (Cl. 315—14)

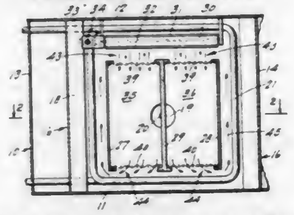
1. Apparatus comprising a cathode ray tube having a pair of deflector plates, means to excite the final anode of the gun and all other gun electrodes which substantially influence the focus with cophased alternating voltage relative to cathode, and means to apply between said deflector plates a cophased alternating voltage,

whereby the focus is maintained and a deflection is produced proportional to the relative ampli-



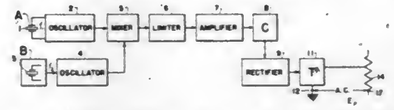
tudes of the deflection voltage and the final anode voltage.

2,456,810
FRENCH FRYING APPARATUS
Kenneth E. Bemis, Oakland, Calif.
Application December 23, 1946, Serial No. 717,878
6 Claims. (Cl. 99—406)



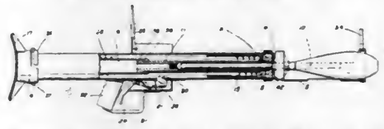
4. Deep-fat frying apparatus comprising; a receptacle for the fat and heating means and control means therefor for heating the fat to a frying temperature; foraminous containers for the material to be cooked; and combined circulating means and pulsating means in direct cooperative relation with the foraminous containers when the containers are lowered into the fat for circulating and pulsating the fat within the containers for dispersing the individual portions of materials to be fried and maintaining them in a dispersed condition for continuous frying of the superficial surfaces of the respective portions; said apparatus including two of said foraminous containers and a compartment for each container, said compartments having a common center wall and each having a side wall and being open at the forward and rearward ends and on the bottom, and with said combined circulating and pulsating means located in closely spaced and clearing relation to one of said ends, with the hot fat circulatory path being defined through each container forwardly through the front and bottom and thence about the side walls of the respective compartments; said combined circulating and pulsating means comprising a paddle wheel having a length equal to one horizontal dimension of the containers and having its axis parallel thereto and having blades in clearing relation to the walls of the containers with each blade operating to draw hot fat through one quadrant of its circuit, project the hot fat into and through the container through the second quadrant and partially withdraw fat from the container in its third quadrant and project fat for reheating in the fourth quadrant of its circuit, and driving means for said paddle wheel.

2,456,811
PIEZOELECTRIC TEMPERATURE MEASURING AND CONTROL SYSTEM
Richard K. Blackburn, East Hartford, Conn., assignor to Crystal Research Laboratories, Incorporated, Hartford, Conn., a corporation of Connecticut
Application October 23, 1945, Serial No. 623,933
2 Claims. (Cl. 250—27)



1. In a temperature control system a pair of piezoelectric crystals, one of said piezoelectric crystals being sensitive to changes in temperature for producing shifts in frequency and variable frequency oscillations corresponding thereto, the other of said piezoelectric crystals being temperature controlled for the production of constant frequency oscillations, means for combining the oscillations from each of said piezoelectric crystals, a resistive capacitive network interposed in a path common to the combined oscillations, a rectifier connected with said resistive capacitive network, an electron tube including input and output circuits, a connection between said input circuit, and the output of said rectifier, a load circuit and a power source connected with said output circuit, whereby, the power impressed upon said load circuit is controlled in accordance with the frequency difference between said piezoelectric crystals.

2,456,812
RECOILLESS GUN
Latham Valentine Stewart Blacker, Fittleworth, Pulborough, England
Application September 19, 1944, Serial No. 554,820
In Great Britain May 4, 1938
11 Claims. (Cl. 89—1.7)



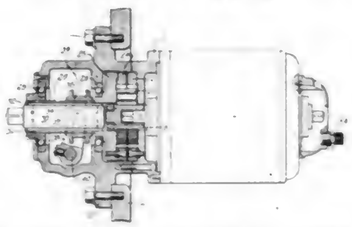
1. In combination, a projectile and gun, the projectile being provided with an axial bore open at its rearward end, a propellant cartridge positioned in the bore in advance of said rearward end, said cartridge including an obturator portion movable along said bore and arranged to form a gas seal therein, the gun including a casing, a heavy dynamic mass including a forwardly extending firing pin, means for driving said mass toward the forward end of said casing, sear means for holding said mass against the action of said driving means, trigger means to operate said sear means to release position, means to support the projectile with its propellant cartridge in the path of movement of said firing pin, said firing pin having sufficient length to extend into the projectile recess and detonate the propellant cartridge when said mass is moved forward, whereby detonation of said cartridge will drive said obturator portion of the projectile propellant cartridge rearwardly in the projectile bore and in gas-sealing relation to the bore to thereby move said mass rearwardly with respect to said casing, said mass and driving means therefor being sufficiently heavy that the momentum of said mass will substantially absorb recoil resulting from discharge of the projectile cartridge.

2,456,813
GOLF PUTTING DEVICE
Omar A. Cavins, Taft, Calif.
Application June 20, 1947, Serial No. 755,847
2 Claims. (Cl. 273—35)



1. A game device comprising an elongated channel member having a floor and sides, said channel member being composed of a plurality of detachable, longitudinally extending segments with the end of a first segment arranged to have its floor and sides telescope within the floor and sides of a second segment to which said first segment is joined, a floor covering on the exposed surfaces of the floor of each segment of a texture to simulate the putting surface of a golfing green, the thickness of the floor covering on said second segment being equal to the combined thickness of the floor covering on said first segment and the floor of said first segment to render the upper surfaces of the floor coverings flush with each other when the segments are joined, a plurality of depressions in the floor of said channel member near one end thereof, and means for supporting said end of said channel member at various elevations above the opposite end thereof.

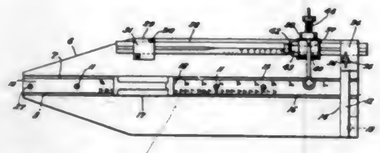
2,456,814
POWER-OPERATED WRENCH
Albert E. Church, New Britain, Conn., assignor to Union Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application December 16, 1947, Serial No. 792,107
7 Claims. (Cl. 172—36)



1. A power wrench comprising in combination, a motor, a speed reduction unit connected thereto, a shaft rotated by said motor through said unit, a spline connection between said unit and shaft permitting axial movement of said shaft, a manually operated lever for moving said shaft axially, and switches on said lever for opening and closing circuits for rotating said motor in opposite directions, said switches being opened and closed by movement of said lever at right angles to the direction of movement thereof to axially move said shaft.

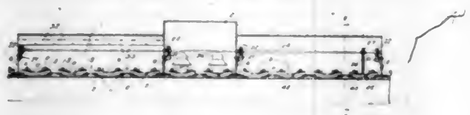
2,456,815
GRADUATING AND MEASURING DEVICE FOR SHOE LASTS
Henry G. Clausing, Portsmouth, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio
Application December 19, 1946, Serial No. 717,131
5 Claims. (Cl. 33—3)

4. In a device of the character described the combination of a base, an elongate rule secured to the base having observable calibrations thereon graduated to indicate last sizes, a fixed cross-head on the base having a vertical last contacting surface disposed across and at right angles to the rule and adapted to serve as a zero reference surface for said rule, a sliding cross-head mounted for rectilinear movement on the rule and having a vertical last contacting face lying in a plane parallel to the face of the fixed cross-head, a standard spaced transversely from the rule and mounted upon the base intermediate its length, a last center indicator bar mounted on the standard and the fixed cross-head for axial movement in a direction parallel to the rule, said bar having consecutive last size calibrations on its face disposed substantially centrally with reference to the calibrations on the



rule and each last size calibration on the bar graduated in equal linear divisions half the length of each linear division for the corresponding last size on the rule, means for locking the bar in a predetermined position on the base, a block slidably mounted on the bar, means for locking the block on the bar at a predetermined position relative to the rule, a marker arm pivotally mounted on the block for movement in a vertical plane parallel to and intermediate the contacting faces of the cross-heads, and a pointed end on the marker arm movable into a position directly above the rule upon pivotal movement of said arm.

2,456,816
APPARATUS FOR INSPECTION OF ARTICLES BY MEANS OF X-RAY PHOTOGRAPHS
Webster James Daly, Los Angeles, Calif.
Application January 23, 1945, Serial No. 574,090
5 Claims. (Cl. 250—52)



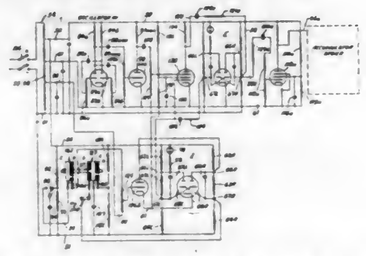
1. Apparatus for inspecting objects by X-ray photography in which the inspection station is remote from the photographing station, comprising a conveyor consisting of a chain of tables each of X-ray permeable material on which one or more objects to be inspected are laid, means beneath each table for removably holding a photographic film, there being successive positional areas along the line of travel of said conveyor through which said conveyor passes, constituting successively a film loading station, an exposure station, a developing station, and an inspection station, means for moving said conveyor step by step so as to present said tables successively with the objects to be inspected unmoved with respect to said tables, first to said film loading station, next to said exposure station where the image of the object is photographed, next to a developing station where the exposed film is removed, developed, and returned to said film holding means, and finally to said inspection station, at which stage the relative positions of the object and its photographed image on the film are the same as they were at said exposure station.

2,456,817
PORTABLE CHECKING COUNTER
James A. Davenport, Cincinnati, Ohio, assignor to The Kroger Grocery & Baking Company, Cincinnati, Ohio
Application February 2, 1946, Serial No. 645,149
4 Claims. (Cl. 280—36)



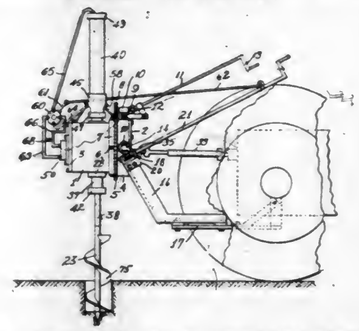
1. A mobile package container comprising a double X frame forming a carriage, wheels disposed at each end of the frame elements, a top member pivotally secured to one side of said frame and releasably engaged with the other side thereof, a single level package receiving compartment supported by said top member, said compartment comprising a pair of open-ended tray elements disposed in telescopic relationship, and a support element for preventing longitudinal upsetting of the carriage when the compartment is overloaded, said support element comprising a frame element extending transversely between the X frame elements exterior of one of the pairs of wheels and only slightly above the ground level, whereby upon tipping of the carriage the frame element will contact the ground and prevent over-turning.

2,456,818
ELECTRONIC TRIGGER CIRCUIT WITH PULSE OUTPUT ATTENUATING MEANS
Arthur H. Dickinson, Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application December 27, 1943, Serial No. 515,719. Divided and this application March 17, 1945, Serial No. 583,273
2 Claims. (Cl. 250—27)



1. The combination with a controlled circuit capable of responding to positive and negative pulses of adequate amplitude; of an electronic trigger circuit having two alternative stable states and comprising a pair of parallel, resistive, voltage dividers adapted to be energized from a source of voltage, first and second electronic tubes corresponding to the first and second of said dividers respectively, each of said tubes having an anode and a cathode connected in parallel circuit relation with a portion of the corresponding divider and also having a grid, the anode of each tube being connected to a first intermediate point on the corresponding divider and the grid being connected to a second intermediate point on said portion of the other divider, and first and second condensers corresponding to said first and second dividers, respectively, each condenser being connected between the first and second points on the corresponding divider, the first tube being conductive and the second tube being non-conductive in one of said stable states of the trigger circuit with the conductive status of the tubes being reversed in the opposite stable state, whereby the grid of the first tube is at a higher voltage level in said one stable state than in said opposite stable state, said trigger circuit being switchable from either stable state to the other upon an application thereto of an unbalancing potential, whence upon the trigger circuit being switched to said one state a positive voltage pulse appears at the grid of the first tube and upon being switched to said opposite state a negative voltage pulse appears at that grid, the condenser connected between the first and second points on the second divider being charged while the second tube is non-conductive and thereafter discharged through the second tube and a part of said portion of the second divider when the second tube becomes conductive upon the trigger circuit being switched to said opposite state, to cause the negative pulse at the grid of the first tube to exceed the positive pulse in amplitude; and pulse-attenuating reactance means coupling the grid of the first tube to the controlled circuit for transmitting pulses appearing at said grid of the first tube to the controlled circuit while attenuating such pulses to an extent that the positive pulse is inadequate to operate the controlled circuit while the negative pulse of greater amplitude is adequate.

2,456,819
POSTHOLE AUGER
Richard H. Dobbs, Atlanta, Kans.
Application March 5, 1945. Serial No. 581,020
1 Claim. (Cl. 255—22)



In a post hole auger, a cylindrical shell, the longitudinal axis of which is horizontally disposed, said shell having removable heads for its ends to function as a container for oil, one head being the carrying means for a hydraulic pump and having a shaft journalled to extend therethrough and a bevel-gear secured to its end inward of the shell, said shaft being connected to drive the pump, a pair of nipples axially aligned

and extending inward toward each other on a diameter of the shell, the nipples being integrally joined to the shell to function as carrying means for ball bearings, said nipples being internally threaded a spaced distance inward from their outer ends, ball bearings engaging in the confronting ends of the nipples and being secured by lock nuts engaging with said internal threads of the nipples that terminate where they meet the bearings to secure the same against end thrust, said nipples having packing glands as oil-seal means for the shell, a tubular element having a ring gear integrally joined thereto, the ends of the tubular element fitting between the bearings, a cylindrical element extending through the tubular element and outward of the packing glands and below and above the cylindrical shell, said cylindrical element having an opening therethrough rectangular in cross section, a square stem slidably fitting said opening and extending beyond both ends of the cylindrical element, a coupling and means to carry the same rigidly to the cylindrical shell and through which the cylindrical element extends, gland means for the lower end of the coupling to engage on the cylindrical element, packing gland means for each end of the cylindrical element and through which the said stem slidably engages, a hydraulic cylinder secured to the coupling co-axial therewith and into which the stem extends, and a piston secured to the stem for reciprocal movement thereof, there being pipe means to connect the ends of the hydraulic cylinder with the pump, said other head of the cylindrical shell having a shaft axially aligned with the shaft of the first said head and having a pinion secured at its inner end meshing with the ring gear, and power means to turn the shaft.

2,456,820
SAFETY PIN
Masena E. Edwards, Denver, Colo.
Application January 12, 1946, Serial No. 640,761
4 Claims. (Cl. 24—161)

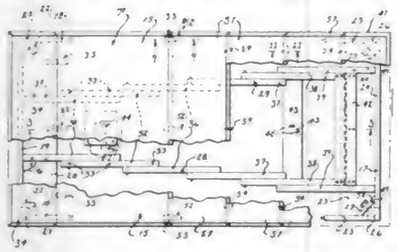
What I claim as new is:



1. A safety pin comprising, an elongated frame formed from a single piece of resilient wire, the two legs being connected by at least one complete loop, the legs crossing each other adjacent the loop, one end terminating in a sharp point and the other in a substantially U-shaped keeper, the legs being biased towards each other to normally hold the pointed end in engagement with the outer surface of the keeper, the latter having a depressed area for the reception of the pointed end, the keeper having a groove on its inside for the reception of the pointed end when the pin is in closed position, and means comprising a cam attached to the frame adjacent the loop for engagement with the leg having the pointed end and movable transversely of the frame, for moving the pointed leg to open position.

2,456,821
EXTENSION TABLE
Alvin M. Ellington, Watertown, Wis.
Application June 21, 1945, Serial No. 600,674
1 Claim. (Cl. 311—61)

In an extensible table of the drop leaf type, a main table top, and frames movable under the table top and beyond the table top, ground supports rigidly connected with the frames, sets of table slide sections, means rigidly securing companion section of the slide sets to the table top, means rigidly securing one end frame to companion slide sections carried by the said first companion slide sections, a hinged drop leaf carried by one edge of the main table top adapted to be supported by said end frame when the same is moved beyond the table top, a table leg rigidly secured to the main table top, means rigidly securing the other end frame to the companion



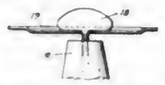
outer slide sections of the table slide sets, a brace board rigidly connecting the companion slide sections which are adjacent to the outermost slide sections, a supporting table leg secured to said brace board, a piano hinge having one leaf rigidly connecting the outer ends of the last mentioned companion slide sections together, whereby said hinge and said brace board form, in conjunction with said last mentioned companion slide sections, a rigid box-like frame, a drop leaf supported by said piano hinge whereby said last mentioned drop leaf is moveable relative to the main table top and the end frames.

2,456,822
SLIDER FOR SLIDING FASTENERS
Erich Engel, Tonteg, near Pontypridd, England, assignor to Aero Zipp Fasteners Limited, London, England, a British company
Application April 13, 1943, Serial No. 482,835
In Great Britain January 25, 1943
14 Claims. (Cl. 24—205.15)



1. A slider for a sliding fastener comprising two wings, each with inturned flanges, connected at a neck portion, and at least one substantially Y-shaped insert arranged adjacent the inner surface of one of said wings so as to lie between the inner surface of said wing and the fastener when the slider is attached to the fastener.

2,456,823
HEATING UNIT FASTENER
Morris A. Feinstein, Chicago, Ill.
Application November 6, 1946, Serial No. 708,161
4 Claims. (Cl. 24—221)

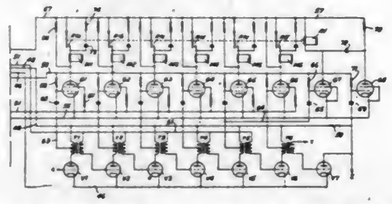


1. A structure for securing a plate in the hollow of a vessel comprising a support directed from the bottom of the vessel toward the plate, the latter having an elongated slot opposite the support, and means for retaining the plate to the support comprising a thumbscrew directed through the slot to thread into said support, the head of the thumbscrew engaging the plate from the outer side when turned away from the slot, and means to lock said head from rotation.

2,456,824
OIL-SOLUBLE DRIER METAL SALT COMPOSITIONS
Alfred Fischer, Bronx, N. Y., assignor to Nuodex Products Co., Inc., Elizabeth, N. J., a corporation of New York
No Drawing. Application July 10, 1946, Serial No. 682,586
6 Claims. (Cl. 106—310)

1. A composition of matter consisting essentially of an oil-soluble drier metal salt and a lesser amount of an alkyl acid phosphate wherein the alkyl group embodies not more than 8 carbon atoms.

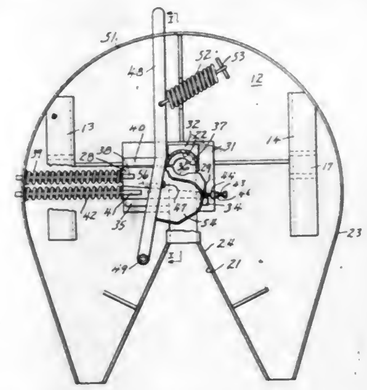
2,456,825
DISTRIBUTOR
Clyde J. Fitch, Endicott, and Robert N. Eichorn, Vestal, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 18, 1945, Serial No. 623,024
19 Claims. (Cl. 178—88)



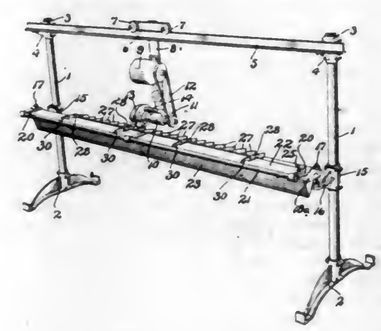
1. In a receiver for receiving combinational code signals, a set of gaseous trigger tubes, one for each code signal element, each tube having at least a first and a second grid, means normally impressing upon the first grids of all of said tubes a biasing potential sufficiently negative to prevent said tubes from being fired by high potentials applied to their second grids, means operating in response to the received signal for applying concurrently to the second grids of all of said tubes, high or low potentials, in dependence upon the marking or spacing character of the successive code signal elements, and means for lifting the potential on the first grids of the tubes in succession, each at the time of reception of the related signal element, whereby each tube will be fired in which the lifting of the potential on its first grid finds a high potential on its second grid, due to a marking signal element.

2,456,826
TRAILER COUPLER
John P. K. Fontaine and Arnoldus S. Brumby, Birmingham, Ala.; said Brumby assignor to said Fontaine
Application April 11, 1946, Serial No. 661,227
18 Claims. (Cl. 280—33.05)

1. In a trailer coupler, a fifth wheel comprising a plate having a radial opening terminating in a slot for receiving a king pin, a locking member movable across the slot to retain the king pin when coupled, a wedging member for limiting relative motion between the king pin and the locking member, and operating means on the fifth wheel disposed to engage the locking member and move it out of the path of the king pin and concomitantly therewith to move the wedging member out of wedging position.

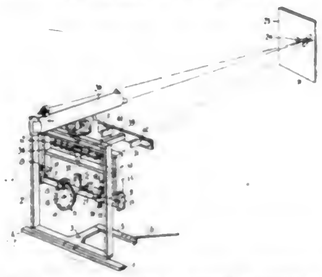


2,456,827
SICKLE BLADE GRINDER
Leo O. Greeley, Cadillac, Mich., assignor to General Sales Company of Cadillac, Cadillac, Mich., a limited partnership of Michigan
Application August 19, 1946, Serial No. 691,498
4 Claims. (Cl. 51—36)



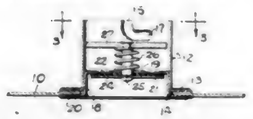
1. A machine of the class described comprising, a frame, a horizontal upper track on said frame, a carriage mounted to traverse said track and to rock thereon on an axis parallel to the track, a depending support on said carriage, a grinding wheel rotatably mounted on the lower part of said depending support, means for rotating said grinding wheel, an elongated horizontal support mounted on said frame below said track, means for clamping a blade on the horizontal support and in the path of said grinding wheel, means for pivotally mounting said horizontal support to swing on an axis longitudinal thereof, means for manually swinging said support on its pivot during the grinding operation, and adjustable means to limit the swinging movement of said support in the direction which moves the blade toward the grinding wheel.

2,456,828
TARGET PRACTICE APPARATUS
Philip George Hawe, Weston, Ontario, Canada
Application December 2, 1944, Serial No. 566,335
16 Claims. (Cl. 35—25)



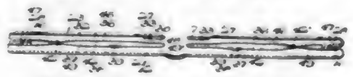
16. In a target aiming device, means for projecting a moving target, means for projecting an indication on the target, means for normally maintaining said indication projecting means in synchronism with the target projecting means, aiming means, and means controlled by the aiming means for causing the indication projecting means to momentarily synchronize with the aiming means.

2,456,829
VALVE
Roy Wilson Hays, Rockford, Ill.
Application November 29, 1946, Serial No. 712,765
2 Claims. (Cl. 284—14)



1. A valve of the character described, comprising a cylindrical shell having an outturned flange at one end, a cup having a valve hole in its closed end and an outturned flange around its open end cooperating with said first flange to form a clamp, the defining edge of said hole being depressed out of the plane of said cup and, the closed end portion of said cup being pressed into said shell to close said clamp, a disk within said cup axially spaced inwardly and cooperating with said pressed out edge to form a valve, a stem carrying said disk at one end and projecting slidably through the closed end of said cup, means on the other end of said shell forming one element of a detachable connection and adapted for engagement with a nozzle when the latter is telescoping with said shell, and means on said stem engageable with the nozzle and operable to hold said disk away from said hole while said connection is maintained.

2,456,830
COMBINATION WALLET
Henry M. Herbener, Thomasville, Ga.
Application June 7, 1945, Serial No. 598,038
6 Claims. (Cl. 150—38)



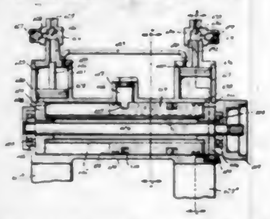
3. A combination wallet, comprising connected main sides foldable over each other, each main side having extensions at its longitudinal edges, a pocket unit for each main side, each pocket unit including inner and outer sides, the inner and outer sides of the pocket unit being stitched together near and inwardly of their marginal edges, forming a pocket inwardly of the stitching, one side of the pocket unit having an opening leading into the pocket, means connecting the adjacent ends of each pocket unit and main side, the extensions of each main side being foldable inwardly of such main side and inserted between the inner and outer sides of the pocket unit outwardly of the stitching and secured to one side of the pocket unit and outwardly of such stitching.

2,456,831
CRYSTAL SEED AND METHOD OF OBTAINING IT
Bengt R. F. Kjellgren, University Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application August 20, 1947, Serial No. 769,576
4 Claims. (Cl. 171—327)



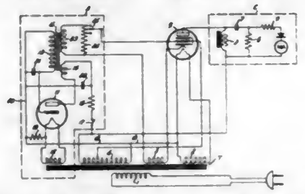
4. The process of obtaining a seed plate of P-type crystalline material from a mother crystal having a flawed center portion comprising severing a plate from the said flawed center portion, the major faces of said plate being substantially perpendicular to the Z-axis of the crystalline material.

2,456,832
FLUID-DRIVEN PUMP
Fred A. Lane, Shelburn, Ind., assignor to Lane Motors, Inc., Terre Haute, Ind., a corporation of Indiana
Original application December 18, 1942, Serial No. 469,386. Divided and this application April 15, 1946, Serial No. 662,202
6 Claims. (Cl. 103—44)



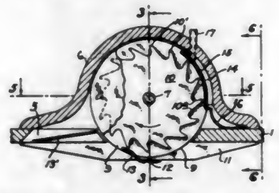
1. Pumping mechanism comprising a cylindrical housing, a shaft mounted for rotation with a portion thereof within said housing, a series of radially-disposed cylinders peripherally grouped about said housing and each communicating with the interior of said housing adjacent one end of the latter through a port, a valve disc fixed on said shaft within said housing in closing relation to said ports, said valve disc being formed with a notch in its peripheral surface providing, when in registry with one of said ports, communication between the associated cylinder and the interior of said housing, a second series of radially-disposed cylinders peripherally grouped about said housing and each communicating with the interior of said housing adjacent the opposite end of the latter through a port, a second valve disc fixed on said shaft within said housing in closing relation to said last-mentioned ports, said second valve disc being formed with a notch in its peripheral surface providing, when in registry with one of said last-mentioned ports, communication between the associated cylinder and the interior of said housing, a valved inlet and a valved outlet for each cylinder of each series, independent of said ports, a piston axially reciprocable in said housing between said discs, and means for converting rotation of said shaft into reciprocation of said piston.

2,456,833
MUTUAL CONDUCTANCE TESTER
Oliver James Morelock, Short Hills, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application October 31, 1945, Serial No. 625,761
13 Claims. (Cl. 315—370)



1. In apparatus for measuring the mutual conductance of a tube having a grid electrode and one or more other electrodes cooperating with a cathode, one of said electrodes being a plate; means for impressing alternating current voltages upon said electrodes to energize the tube, means for imposing an alternating current signal voltage of a different frequency upon said grid, and indicating means responsive only to the plate current component resulting from said applied signal voltage, said indicating means providing a direct indication of the mutual conductance of the tube.

2,456,834
PROPULSION MEANS FOR BOATS
John Napoli, Monterey, Calif.
Application January 31, 1945, Serial No. 575,446
2 Claims. (Cl. 170—104)



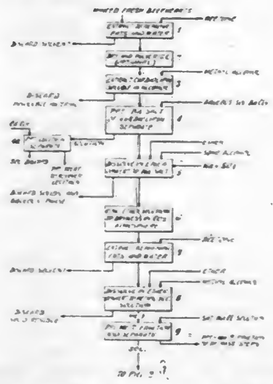
1. In a boat having a keel provided with an opening, a housing mounted on the keel and arranged above the opening, a shaft rotatably supported by the housing, a plurality of spaced circular rotors keyed to the shaft and having peripheral teeth, circular spacing discs interposed between the rotors, the discs being larger at their diameters than the rotors, whereby annular open channels are formed around the rotors, the said rotors and the discs being positioned with parts thereof projecting through the keel opening and below the keel, and means for directing water into the channels and against the teeth of the rotors as the boat is propelled forwardly, whereby the rotors are rotated to impart rotary motion to the shaft.

2,456,835
REFECTORY TABLE
John J. Nash, St. Louis, Mo., assignor to American Fixture & Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application July 31, 1944, Serial No. 547,457
2 Claims. (Cl. 311—56)



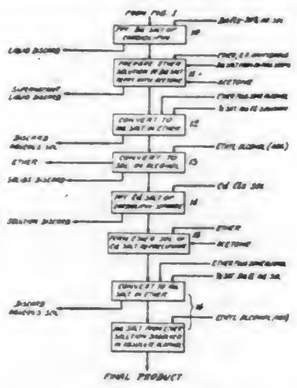
1. In a refectory table, a slide frame consisting of two identical L-shaped stampings each having a relatively long rectangular plate section and a relatively short flange section disposed at right angles to the plate section, said stampings being adapted to fit in end-for-end reversed relation with their plate sections in spaced parallel position and with the flange section of one stamping extending across and projecting laterally beyond the end of the plate section of the other stamping, said stampings being, in such relation, secured rigidly together, each of said stampings being provided with a pair of complementarily shaped track forming slots having lower portions substantially aligned horizontally with each other and then being inclined upwardly, one end of one slot extending above the adjacent end portion of the other slot and the other end of the latter-mentioned slot terminating in an upwardly and rearwardly extending return bend, and slide arms shiftably mounted on said stampings and having rollers for movement in said slots.

2,456,836
METHOD OF RECOVERING AND REFINING CARDIOLIPIN
Mary C. Pangborn, Albany, N. Y., assignor to the People of the State of New York
Application March 30, 1946, Serial No. 658,567
2 Claims. (Cl. 167—74)



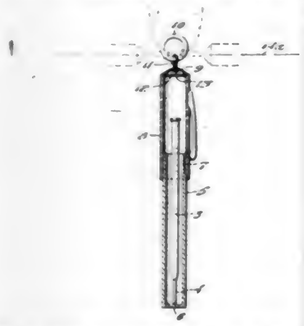
1. The process of recovering and refining cardiolipin, which comprises the steps of removing fat and water from comminuted beef hearts containing cardiolipin by extracting such material with acetone and discarding the extracted material, extracting cardiolipin from the remaining solid material with methyl alcohol and discarding the solid residue, precipitating the cardiolipin from the alcohol extract solution as an insoluble salt by treating such solution with an aqueous solution of barium chloride and

separating and discarding the admixed liquid, converting the precipitate thus formed to an alcohol-soluble sodium salt of cardiolipin in the presence of alcohol by dissolving it in ether and adding an aqueous solution of sodium sulphate, separating and discarding the resultant barium sulphate and the aqueous liquid, concentrating the liquid ether phase substantially to dryness in an atmosphere of carbon dioxide, removing remaining fats and water by extracting the resulting material with acetone in which the sodium salt of cardiolipin is substantially insoluble and discarding the acetone extract, dissolving the acetone-insoluble residue in ether and converting it to a solution in methyl alcohol by adding a predetermined volume of methyl alcohol and removing the ether by vacuum distillation, adding a concentrated aqueous solution of sodium chloride and maintaining the resultant materials at a temperature above but approaching the freezing point for a predetermined time to precipitate a portion thereof, separating this precipitated portion from the remaining liquid, precipitating from the remaining liquid an alcohol- and water-insoluble barium salt of cardiolipin by adding an aqueous solution of barium chloride and separating the resulting precipitate from the liquid, dissolving this precipitate in anhydrous ether and reprecipitating the same salt



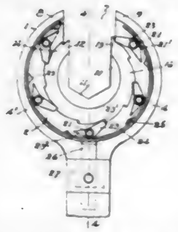
therefrom by adding a substantal excess of acetone in which the barium salt of cardiolipin is insoluble, separating and discarding the liquid from this precipitate, reprecipitating the barium salt of cardiolipin a plurality of times by dissolving in ether and precipitating it therefrom by adding an excess of acetone, converting this reprecipitated barium salt of cardiolipin into a sodium salt thereof by dissolving the barium salt in ether, adding ethyl alcohol and an aqueous solution of sodium chloride and substantially removing the ether by distillation and preparing an alcohol solution of the sodium salt of cardiolipin, precipitating the cadmium salt of cardiolipin from this alcohol solution by adding an aqueous solution of cadmium chloride thereto and separating the resultant precipitate of the alcohol-insoluble cadmium salt of cardiolipin from the liquid, dissolving this precipitate in ether and reprecipitating it therefrom by adding a substantial amount of acetone in which the cadmium salt of cardiolipin is insoluble and separating and discarding the liquid, and dissolving the resultant purified cadmium salt in ether and converting it to the form of an alcohol-soluble sodium salt of cardiolipin in the presence of ethyl alcohol by adding such alcohol and an aqueous solution of sodium chloride, and preparing an alcohol solution of the sodium salt of cardiolipin as the final product.

2,456,837
THERMOMETER CASE WITH ROTATING MEANS
Roy L. Papermaster, Los Angeles, Calif.
Application October 18, 1946, Serial No. 704,258
2 Claims. (Cl. 73—373)



1. In a thermometer case, a pair of case sections, a ring adapted to be held between the fingers of an operator, with a portion thereof projecting, and a short length of elastic material looped around said ring and secured to the end of one of said sections, said elastic material being stretchable to extend the distance between the ring and the end of the case when the case is swung in a generally circular path, and being adapted to slide back and forth in said projecting portion of the ring as it is thus swung.

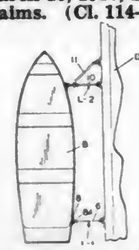
2,456,838
PIVOTED PAWL RATCHET WRENCH WITH RADIALLY SLOTTED HEAD AND SOCKET
Albert Peterson and Robert Peterson, St. Clements, Manitoba, Canada
Application May 30, 1945, Serial No. 596,608
1 Claim. (Cl. 81—61)



A wrench embodying a hollow head with an extending handle and having a permanent and a removable face plate, a socket rotatably mounted in the head and formed integral with a ratchet wheel, said head, wheel and socket being cross slotted to provide registrable passages for a nut to enter the socket, a plurality of spaced pivot pins permanently secured to the permanent plate and grouped concentric to the socket, a plurality of similar dogs pivotally mounted on the pins and engageable with the ratchet teeth, said dogs being provided with extending tail pieces, an arcuate spring surrounding and contacting with flat faces provided on the dogs, said flat faces and spring

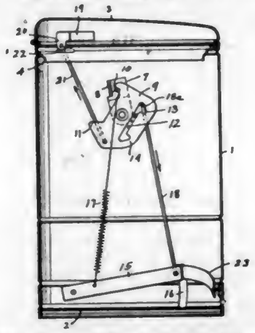
acting to hold the dogs normally engaged with the ratchet teeth, strikers secured to the spring and engageable with the tail pieces in the endwise shifting of the spring to simultaneously disengage the dogs, and manual means for end shifting the spring.

2,456,839
BOAT MOORING DEVICE
Joseph Weston Princell, Minneapolis, Minn.
Application March 10, 1947, Serial No. 733,508
4 Claims. (Cl. 114—230)



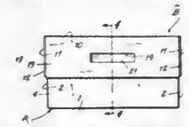
2. A boat mooring device comprising a link, a hook formed integrally with one end thereof and means on the other end thereof to pivotally attach said link to a fixed structure, said hook being of inverted U-shaped configuration, said U being so spaced between the legs thereof as to loosely engage an eye and of a size to be embraced by the hasp of a padlock between the sides of the U to thereby retain said eye and U in locked inter-engagement, and an abutment formed adjacent the juncture of the link and hook to hold the lock in eye-retaining position.

2,456,840
HOUSEHOLD TRASH CAN
John C. Rogers and Redding Sims, New Orleans, La.
Application January 19, 1946, Serial No. 642,330
6 Claims. (Cl. 220—36)



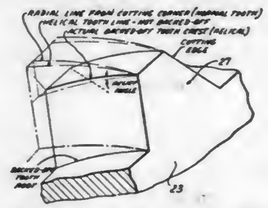
1. A utensil comprising, a container, a cover pivotally mounted on the container, a member mounted to rotate on the container and having eccentric seats, oscillatable means on the container accessible to an operator, a shiftable connector attached to said means and having means thereon engageable alternately with said seats, as the oscillatable means is successively operated to oscillate said member, a connector attached to the cover and eccentrically connected to said member and effective to move the cover to open and closed position as said member oscillates, and yieldable means connected to said member and arranged to impart the final cover-opening movement to said member.

2,456,841
CONTAINER
Fred L. Rushing, Tampa, Fla., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application June 22, 1945, Serial No. 600,953
1 Claim. (Cl. 229—45)



A shipping carton comprising an upwardly opening body and a removable and replaceable self-locking slip cover therefor, said body including upstanding end wall panels having hand hole openings therethrough and upper marginal flaps folded downwardly on the inner sides of said panels extending to the bottom thereof and covering said openings, said slip cover including depending rim panels having hand holes therethrough opposite said openings and lower marginal flaps folded upwardly on the inner sides of said rim panels over the hand holes therethrough, said lower marginal flaps having inverted U-shaped slits providing thereon opposite said hand holes upwardly and inwardly inclined locking tongues adapted when said cover is slipped over said body to snap into the openings in the wall panels thereof with their upper ends in abutting relation to the upper edges of said openings and adapted to be disengaged from said openings by inserting the fingers upwardly between said wall panels and said upwardly folded marginal flaps and pressing said tongues outwardly clear of said openings.

2,456,842
ROTARY CUTTER
Clarence C. Rutbell, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 13, 1943, Serial No. 506,073
10 Claims. (Cl. 29—105)

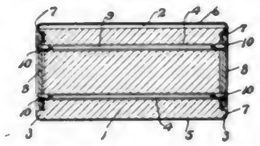


1. In a fly cutter, a cylindrical tool body with a cutting tooth, said tooth formed as a portion of a helical thread, the axis of generation of said helical thread being eccentric with respect to the axis of said tool body to back off the tooth surfaces enough to provide relief angles on all sides.

2,456,843
DOOR STOP
Leonard J. Semeyn, Lamont, Mich.
Application June 24, 1946, Serial No. 679,002
5 Claims. (Cl. 292—344)

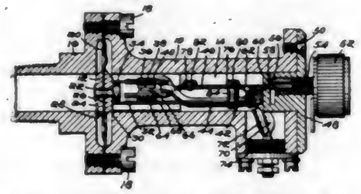
5. A door stop comprising, a block of rectangular parallelopiped form, a fabric covering around the sides of said block having end portions extending beyond each end thereof and located against said ends of the block, means for

clamping said end portions of the fabric against the ends of the block, said end portions of the cover extending beyond the end of the block partially covering each end of the block, said means for clamping said end portions of the



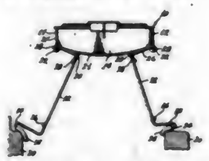
covering comprising, a clamping plate located against each end of the block at the outer side of each of said end portions of the covering, and means extending through the block for connecting said plates together and drawing them against the covering portions over which located.

2,456,844
PRESSURE SWITCH
Norman J. Smith, Medfield, Mass., assignor to Smith Control and Instrument Corporation, Needham, Mass., a corporation of Massachusetts
Application April 12, 1946, Serial No. 661,500
14 Claims. (Cl. 200—83)



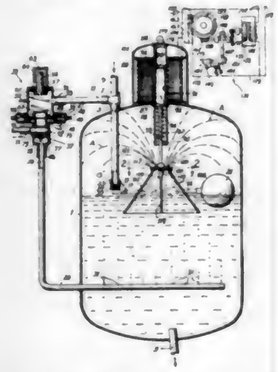
1. In a pressure switch, a housing, a pressure sensitive diaphragm, a resilient leaf spring mounted in said housing, a contact carried by the free end of said leaf spring, a contact adapted to be engaged by said first mentioned contact, a member having one end mounted on said diaphragm and means engaging the other end of said member with said leaf spring for causing a relative movement between said contacts by a variation in the pressure upon the diaphragm.

2,456,845
COMBINATION BATH AND DRESSING TABLE FOR INFANTS
Ivan E. Stine and Harry A. La Fayette, Los Angeles, Calif.
Application July 5, 1947, Serial No. 759,220
8 Claims. (Cl. 4—4)



1. A combination bath and dressing table for infants comprising a rigid tray having upstanding walls and a bottom, and a supporting means adapted to hold the tray comprising a leg member on each side rotatably secured to the tray at locations remote from the center of the bottom and adjacent the lower edges of the respective side wall, said leg members having angularly disposed portions greater in length than the height of the side walls and in erected relation extending under and in engagement with the bottom, and feet on the leg members adapted to support the table when in erected position, said table having a folded position wherein the leg members are adapted to fold over the side walls and the top of the tray.

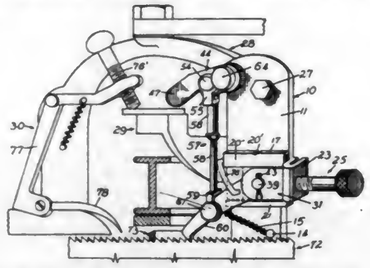
2,456,846
INTERMITTENTLY VIBRATING ELECTRIC MOTOR
Parke H. Thompson, Kirkwood, Mo., assignor to AMP Corporation, St. Louis, Mo., a corporation of Missouri
Original application March 2, 1946, Serial No. 651,647. Divided and this application December 26, 1946, Serial No. 718,562
6 Claims. (Cl. 318—120)



1. In apparatus of the character described, a plunger, a solenoid for operating said plunger, a circuit for connecting said solenoid to a source of electrical energy, relatively movable contacts in said circuit, means for periodically maintaining said contacts closed for a predetermined period and for maintaining said contacts open for a different period, a switch in said circuit, and means for continuously and rapidly opening and closing said switch, whereby, when said contacts are closed, said solenoid is rapidly energized and deenergized, thereby reciprocating said plunger.

2,456,847
SAW STABILIZER FOR SAW FILING MACHINES
Sylvester B. Underwood and Lulu Mae Underwood, Santa Cruz, Calif., assignors to Foley Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application June 3, 1946, Serial No. 673,936
7 Claims. (Cl. 76—77)

6. The combination with a saw filing machine comprising tooth filing means, means for supporting a saw relative to said filing means and whereby the saw may be advanced to present successive teeth for filing by said filing means, a normally retracted saw-advancing pawl, and means for actuating said pawl to cause it to intermittently engage the saw teeth and present successive teeth of the saw for filing by said filing means, of a saw stabilizing attachment comprising a locking pawl having its nose shaped to engage in the gullets between adjacent saw teeth to lock the saw against longitudinal movement in either direction during the operation of said filing means, a bracket secured to the machine frame and having a stirrup mounted for sliding movement therein in a direction substantially parallel to the saw teeth, said stirrup providing a pivotal support for said locking pawl, spring means constantly urging the locking pawl into locking engagement with the saw teeth, and a rocker pivotally suported on said bracket above



the locking pawl and having an operative connection with the locking pawl, one end of said rocker being positioned to be engaged by the actuating means for the saw-advancing pawl whereby the locking pawl is operated to release the saw each time the saw-advancing pawl is actuated to advance the saw.

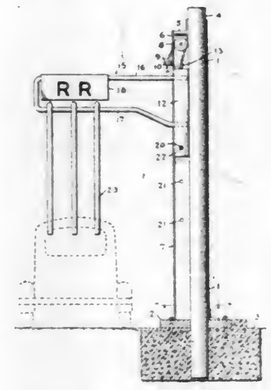
2,456,848
NECKTIE ACCESSORY
James Martin Walsh, Los Angeles, Calif.
Application June 24, 1946, Serial No. 678,753
2 Claims. (Cl. 2—153)



1. A four-in-hand tie having incorporated in the small end thereof at the approximate location where the knot is normally positioned, a bendable stiffener extending longitudinally of the tie and formed of a material which when once bent to a given position will remain in that position until bent therefrom, said stiffener having an integral loop thereon forming a head which encircles the small end of the tie at a point spaced from the location of the knot.

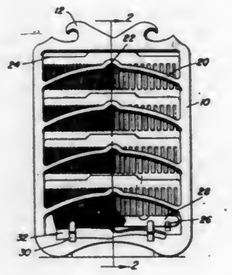
2,456,849
HIGHWAY SIGNAL
Jesse E. Waters, Pratt, Kans.
Application February 17, 1948, Serial No. 8,980
4 Claims. (Cl. 116—63)

1. In a highway signal, the combination of a metallic casing open at both ends, a pole extending down through and filling said casing, said casing provided with a pair of outwardly-extending parallel flanges, a pulley mounted between said flanges and positioned near their upper ends, said flanges having inwardly-extending lips producing a slot there between, a chain guide mounted upon said flanges, said chain guide provided with an eye, said chain guide positioned beneath said pulley, a sliding weight only between said parallel flanges, said weight provided on its upper end with an eye, a flexible lifting member



attached to said eye of the weight and passed partly around said pulley and threaded through said eye of said chain guide, said flanges provided with sets of registering apertures, said sliding weight provided with an aperture being adapted to register with either one of the sets of said apertures on said flanges, a pin in one of the sets of apertures on said flanges and in the aperture of said sliding weight, and a signal-carrying overhanging bracket secured to said weight.

2,456,850
ARTICLE RACK
Robert Lee Willis, Baltimore, Md.
Application August 25, 1947, Serial No. 770 503
5 Claims. (Cl. 211—133)

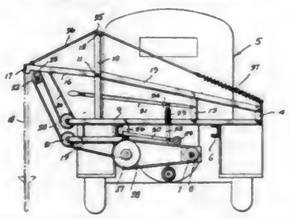


1. A utility rack comprising a panel, means for supporting said panel in an inclined position, and pairs of arcuate arms having their terminals rigidly secured to said panel, said arms being disposed at an inclined angle to said panel.

2,456,851
ALKYLNICOTINIUM ARYLSULFONATE PESTICIDE
Charles F. Woodward, Abington, Donald H. Saunders, Oreland, and Raymond C. Provost, Jr., Washington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application February 2, 1945, Serial No. 575,830
9 Claims. (Cl. 167—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

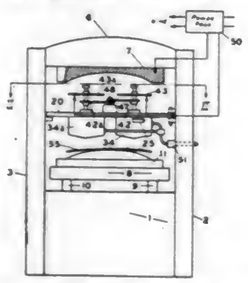
9. A pesticide comprising an alkylnicotinium arylsulfonate and a carrier therefor, said alkylnicotinium arylsulfonate having the general formula $B(RX)_n$, in which B represents nicotine, R represents a monvalent alkyl group, X represents the group aryl—SO_3—, and n is an integer not greater than 2, R and X of each RX grouping being linked to the same nitrogen atom of the nicotine nucleus.

2,456,852
POWER-OPERATED FENCE POST DRIVER
Clarence N. Anderson, Northwood, Iowa
Application January 11, 1946, Serial No. 640,520
5 Claims. (Cl. 254—128)



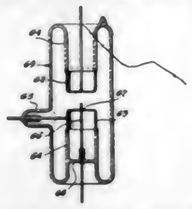
1. A post-driving apparatus comprising a support adapted for mounting on a power-operated vehicle having a power take-off, said support including a post, an arm pivotally mounted on said post, one end of the arm engaging a post to be driven in the ground, a winch operatively connected to the power take-off of the vehicle, and a cable connecting the arm to the winch for winding thereon to move the arm downwardly.

2,456,853
MOLD COATING METHOD AND APPARATUS
Thomas J. Arbron, Romeo, Mich.
Application June 19, 1946, Serial No. 677,832
10 Claims. (Cl. 18—1)



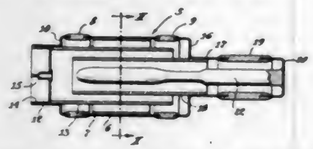
1. In a method of applying a coating to a molded article by applying a film of coating material to a surface of the mold prior to the insertion of a mold preform into the mold, the improvement comprising: while said mold is in open position interposing between said mold parts a means for sub-dividing and ionizing the coating material; creating in a zone adjacent to a mold face a plurality of relatively small ionized subdivisions of the coating material; creating around said zone an electrostatic field of which one terminal is the mold face upon which coating material is to be placed; permitting said sub-divisions of coating material to be deposited upon said mold face by electrostatic attraction in a selected quantity, removing said sub-dividing and ionization means.

2,456,854
HIGH-PRESSURE MODULATOR TUBE
Edward G. F. Arnott, Upper Montclair, Charles M. Slack, Glen Ridge, and Clarence E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1943, Serial No. 491,496
4 Claims. (Cl. 250—27.5)



1. A high pressure, triggered, spark-gap device comprising an envelope provided with oppositely disposed reentrant stems, a pair of main electrodes disposed in said envelope and forming an hermetic sealed end-closure for said reentrant steams for supporting a high current arc discharge upon the application of several kilovolts therebetween, an ionizable medium in said envelope at a pressure ranging from one to five atmospheres, and a trigger electrode disposed closer to one of said main electrodes than to the other and operable upon the application of a potential between said trigger electrode and the adjacent main electrode to cause ionization of the ionizable medium and the initiation of the high current discharge between said main electrodes.

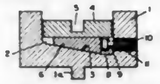
2,456,855
UNITARY MULTIPLE SPARK-GAP DEVICE
Edward G. F. Arnott, Upper Montclair, and Clarence E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 2, 1944, Serial No. 556,755
6 Claims. (Cl. 315—230)



1. A unitary high voltage spark-gap device for supporting a plurality of high voltage arc discharges in series relationship comprising a sealed envelope provided with an ionizable gas therein at relatively high pressure, and a plurality of concentrically disposed metallic electrodes in said envelope having their parallel adjacent surfaces

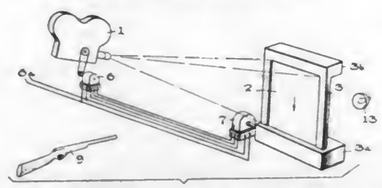
spaced equi-distant from each other throughout substantially their entire respective lengths to cause the arc initiating voltage between adjacent electrodes to remain uniform throughout the useful life of said device.

2,456,856
BOLSTER BLOCK
Cyril J. Bath, Cleveland, Ohio, assignor to The Cyril Bath Company, a corporation of Ohio
Application October 11, 1947, Serial No. 779,308
4 Claims. (Cl. 153—21)



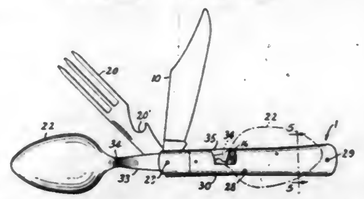
1. A bolster block adapted to be interposed between a die of a press brake and its associated leaf and comprising a body which is an elongated extruded metal section in substantially the cross-sectional shape in which extruded and which is predominately aluminum and which is of substantially uniform cross section and has a longitudinally extending channel opening in one of its faces, an elongated vertically movable die supporting member fitting in the channel so as to be constrained thereby from movement transversely relative to the body, a plurality of wedges interposed between and bearing against the underside of the member and the inside bottom wall of the channel and movable transversely of the body for adjusting the member vertically, said wedges being arranged in a row in substantially abutting relation with each other endwise of the row for substantially their full width transversely of the row and said row extending substantially the entire length of the die supporting member, screw means mounted in said body for movement transversely thereof and operatively connected to the wedges, respectively, for moving the wedges, respectively, transversely to different adjusted positions, and anchor means in the form of an integral elongated rib on the body adapted to interconnect the body and the associated leaf to constrain the body from movement transversely.

2,456,857
MOTION-PICTURE TARGET
Philip Bergh, Forest Hills, N. Y.
Application January 24, 1944, Serial No. 519,583
1 Claim. (Cl. 273—105.1)



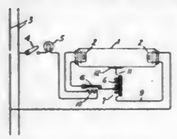
In target apparatus wherein a motion picture image sequence of a moving target is projected upon a screen, the improvement which consists in a screen formed of an elongated strip of sheet material on which the field of projection of said projected pictures covers only a small linear portion thereof, said strip having a line marked thereon throughout its length, the position of said line in different linear portions of said strip coinciding with the aiming spot of the target image within the picture area in successive portions of the image sequence.

2,456,858
COMBINATION KNIFE, FORK, AND SPOON
William F. Bolling, Norton, Va.
Application July 29, 1946, Serial No. 686,819
3 Claims. (Cl. 30—143)



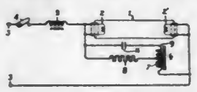
1. An article of the class described, comprising a handle having spaced plates each of which is provided with a plurality of longitudinally disposed slots formed therethrough, said slots having enlargements constituting eyes spaced from at least one of the ends of the slots, locking means comprising inwardly directed projections on said spaced plates adjacent the enlargements of said slots, second and third handles each having a plate provided with heads offset therefrom and adapted to pass through said eyes, said heads being connected to said last plates by means adapted to be received in said slots and slidable therein to carry the heads beyond said projections, and a blade carried by each of said handles.

2,456,859
ELECTRIC DISCHARGE APPARATUS
John H. Campbell, Altamont, N. Y., assignor to General Electric Company, a corporation of New York
Application March 29, 1944, Serial No. 528,535
4 Claims. (Cl. 315—100)



1. In combination, an electric discharge device having spaced electrodes and an electrode preheating circuit connected in shunt therewith and including a time delay starting switch, means including a ballast impedance for connecting said device to be operated from a source of current supply, and a step-up transformer having its primary connected to be energized from said source and controlled by said switch and its secondary connected between one of said electrodes and a point of said device intermediate its electrodes.

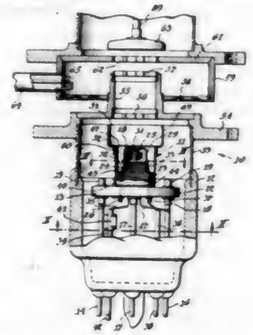
2,456,860
ELECTRIC DISCHARGE APPARATUS
John H. Campbell, Altamont, N. Y., assignor to General Electric Company, a corporation of New York
Application April 29, 1944, Serial No. 533,335
2 Claims. (Cl. 315—276)



1. In combination, an electric discharge device having spaced electrodes, a ballast imped-

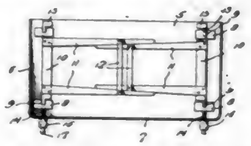
ance, means connecting said device and impedance in series across a source of alternating current, and a step-up autotransformer having its primary connected in shunt with said device to be energized by current taken from said source, and a capacitor connected between only one of said electrodes and the free end of the secondary of said transformer.

2,456,861
GENERATOR AND CATHODE CONSTRUCTION FOR ELECTRICITY OF ULTRA HIGH FREQUENCY
John M. Carter, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 6, 1943, Serial No. 485,852
14 Claims. (Cl. 315—5)



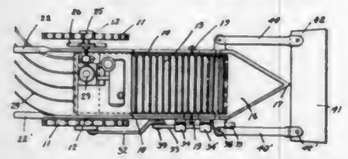
11. A generator for electricity of ultra-high frequency comprising a cathode mount, and insulator on which said mount is fixed, a cup-shaped vitreous envelope portion, lead-in conductors passing through said envelope portion and supporting said insulator, a hollow metal cylindrical portion with one end connected to the edge of said vitreous envelope portion, and a cavity resonator connected to the other end of said metal cylindrical portion completing the envelope.

2,456,862
FOLDABLE KITCHEN TABLE
Mary E. H. Chapman, Crane, Mo.
Application November 1, 1944, Serial No. 561,439
1 Claim. (Cl. 311—84)



A foldable table comprising a top, a pair of leg assemblies, means pivotally connecting said leg assemblies to said top, and means operative to lock said leg assemblies in extended position relative to said top, said top having an apertured, depending flange along the front edge thereof, each of said leg assemblies comprising a pair of tapered legs, a bridging member secured to the upper ends of said legs, a pintle extending outwardly from each end of said bridging member, one of said pintles being externally screw threaded, and a laterally-disposed lug on the other of said pintles adjacent the outer end thereof, said means pivotally connecting said leg assemblies to said top comprising a pair of blocks for each leg assembly said blocks being secured to the underside of said top and each block having an aperture receiving a corresponding pintle and a respective notch adapted to receive the adjacent end of said bridging member in one case and said lug in the other case to lock the corresponding leg assembly in extended position relative to said top, said leg assemblies being so connected to said top by said blocks that said screw-threaded pintles extend through respective apertures in said top flange, and said locking means comprising barrels threaded onto said screw-threaded pintles outside of said top flange to draw said lugs and bridging members into said block notches and releasably retain them in locked condition therein.

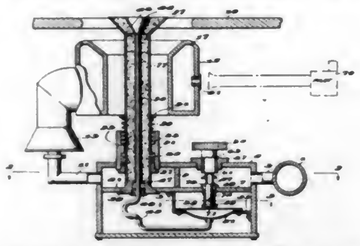
2,456,863
HARVESTING MACHINE FOR ONIONS
Joseph Chizek, Franksville, and Frank J. Gast, Racine, Wis.
Application March 2, 1945, Serial No. 580,602
4 Claims. (Cl. 55—9)



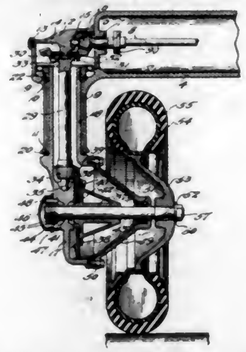
1. A device of the character described comprising a frame consisting of two vertical side members supported by cross braces, traction wheels mounted toward the rearward end of said frame, vertically adjustable wheels mounted forward on side members of said frame, an excavating point mounted at the front of said frame and extending outward therefrom, a conveyor chain journaled within said frame between said side members, said chain extending from said excavating point to the rearward end of said frame, actuating means mounted within said frame for operating said chain to convey the commodity from the excavating point rearward, a plurality of tines supported by and extending rearwardly from said frame to receive the commodity conveyed by said conveyor chain, means for employing the power from said actuating means to rotate said traction wheels, a topping blade pivotally attached to said side members and extending outward and forward from said excavating point at a slight distance above said excavating point and means for pivotally actuating said topping blade horizontally in a reciprocating manner when the traction wheels are brought into motion, said actuating means in the form of a gear and gear rack mounted to the side plates of said frame.

2,456,864
GAS FLAME REGULATOR
Frank Bruce Cole, Asheville, N. C.
Application July 24, 1945, Serial No. 606,798
2 Claims. (Cl. 126—52)

1. In a domestic gas burner, a perforated circular combustion chamber, a cooking pot supporting grid positioned in spaced relation above the said combustion chamber, a normally closed reciprocable valve controlling the flow of gas to said combustion chamber, said valve having a tubular stem passing through the circular combustion chamber and extending above the supporting grid whereby the stem and valve thereon are depressed and the valve opened when a pot is placed on the said grid, a second normally open valve arranged in spaced relation to the first mentioned valve and controlling the flow of gas to the first mentioned valve, a heat responsive expansive fluid containing chamber positioned to move the second mentioned valve toward closed position when the fluid therein increases in volume, and a flexible, expansible fluid filled tube communicating with the said expansive fluid containing chamber and extending throughout the length of the said tubular stem in such a manner that the upper end of said tube is subjected to radiant heat from the bottom of a cooking pot on the supporting grid.

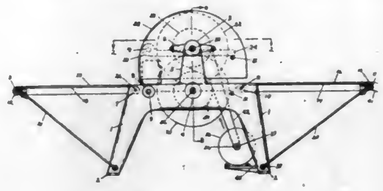


2,456,865
FLEXIBLE WHEEL DRIVE
Howard L. Cottingham, Racine, Wis.
Application October 9, 1946, Serial No. 702,175
4 Claims. (Cl. 180—43)



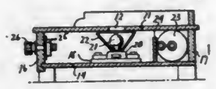
1. In combination with a vehicle, of a flexible wheel drive means therefor including a transversely disposed gear casing, a depending tubular gear casing supported on each end of said transverse gear casing, a combined cover plate and bearing member disposed on the upper end of each of said depending tubular gear casings, a drive shaft extending through each end of said transverse gear casing with the outer ends of each mounted for rotation in said cover plates and bearing members, a rotatable lower gear casing formed with a vertically extending tube extending through and supported by each of said depending tubular gear casings, a vertical driving shaft extending axially through each of said vertically extending tubes mounted for rotation between said combined cover plates and bearing members and said lower gear casings, bevel gears on the outer ends of said drive shafts, ring gears on the upper end of each vertical driving shaft intermeshed with said bevel gears, transverse wheel-supporting shafts rotatably mounted in each of said lower gear casings, wheels on the inner end of each of said wheel-supporting shafts, intermeshing bevel gears and ring gears mounted on the lower end of each of said vertical driving shafts and on said wheel-supporting shafts, respectively, and steering means disposed upon the upper ends of each of said vertically extending tubes.

2,456,866
BREAD SLICING MACHINE, INCLUDING GANGS OF ROTARY DISK KNIVES
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application September 11, 1944, Serial No. 553,619
10 Claims. (Cl. 146—98)



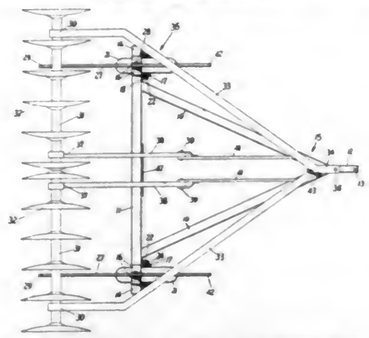
1. In a bread slicing machine, a supporting frame, a pair of spaced transverse shafts mounted on the frame, one substantially above the other, each shaft carrying a plurality of thin circular cutting blades and the blades on each shaft overlapping in axially spaced relation and alternating with the blades on the other shaft, and means for revolving the shafts simultaneously in opposite directions the radius of the overlapping portions of said blades being equal to or slightly longer than the height of the loaves of bread to be sliced thereby, in combination with slotted arms supported by the frame extending transversely from front to rear of the cutting blades at the upper and lower portions of their cutting courses to hold said blades against lateral bending or displacement at the front and rear edges thereof.

2,456,867
BED TABLE
Bartholomew da Costa, Long Island City, N. Y.
Application January 26, 1946, Serial No. 643,545
3 Claims. (Cl. 240—4)



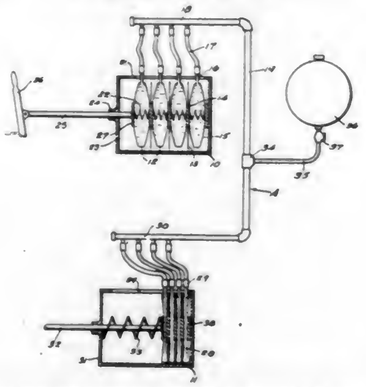
1. A table having a table panel, said panel having an opening therethrough, a drawer slidably mounted in said table under said panel, a base mounted in said drawer and so positioned as to lie under said opening when the drawer is closed, said base having a lamp socket so positioned thereon as to lie under said opening when said drawer is closed, said socket being adapted to have a lamp bulb mounted therein, a reflector surrounding said socket to reflect the light from said bulb upward, the greatest diameter of said reflector being larger than the diameter of said opening, and means for energizing said bulb.

2,456,868
TRAILER FOR DISKING MACHINES
Frank M. Dominic, Duncombe, Iowa
Application September 25, 1946, Serial No. 699,121
4 Claims. (Cl. 214—77)



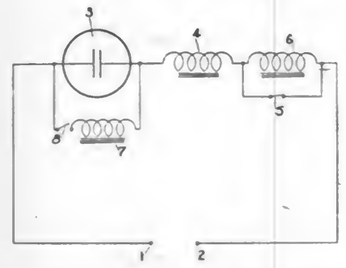
1. A trailer for a discing machine having a transverse disc supporting shaft and a frame extended forwardly therefrom, said trailer including a triangular frame structure connectible at its apex end with a tractor, ground wheels mounted at opposite ends of the base of said frame structure; a pair of transversely spaced longitudinally extended lifting levers pivotally supported intermediate their ends on the top of said base for up and down pivotal movement, and disc-shaft engaging and supporting members at the rear ends of said lifting levers, said lifting levers, on movement of said frame structure below said disc frame, being movable to positions such that said supporting members are below said disc shaft and the forward ends thereof are located below said disc frame, with said forward ends, on downward movement of the disc frame to a substantially superposed position on said frame structure, being engaged and moved by the disc frame to elevate said disc shaft, and means for holding said disc frame on said frame structure against upward movement.

2,456,869
HYDRAULIC PULSATOR SYSTEM
Clarence E. Fowler, Hollywood, Calif.
Application April 12, 1944, Serial No. 530,618
5 Claims. (Cl. 60—54.5)



1. A mechanism of the kind described, comprising cylinders, a series of separate and independent expansible and contractible chambers having thin flexible metallic walls arranged interiorly of the cylinders, a transmission fluid in said chambers, external parallel outlet connections for each of one series of chambers, a common outlet conduit adapted to be connected to said outlet connections, external parallel inlet connections for each of the other series of chambers, a common inlet conduit adapted to be connected to said inlet connections, a common supply line connected to the ends of said inlet and outlet conduits whereby one series of chambers is normally contracted, and the other series of chambers are normally expanded, fluid exchange between the chambers on expansion and contraction thereof, means for contracting the normally expanded chambers, and means operated by the expansion of the normally contracted chambers.

2,456,870
CIRCUIT FOR ELECTRIC DISCHARGE DEVICES
Victor J. Francis, Aylesbury, and Evan H. Nelson, Harrow Weald, England, assignors to The General Electric Company, a corporation of New York
Application August 22, 1944, Serial No. 550,498
In Great Britain January 1, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 1, 1963
5 Claims. (Cl. 315—284)

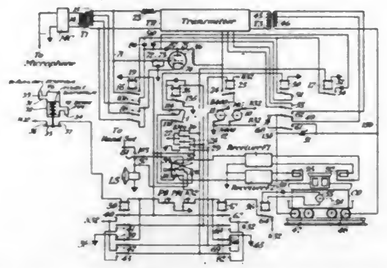


1. The method of regulating the operation of a high pressure metal vapor electric discharge device comprising a sealed envelope containing spaced electrodes, which method comprises operating an electric discharge at full power rating between said electrodes in series with a ballast impedance, and then connecting in shunt across only the discharge device, while it is operating, an inductance capable of materially reducing the power dissipated in the discharge and thus maintaining the device in condition to operate substantially instantaneously at full power rating upon disconnecting the said shunting inductance.

2,456,871
RAILWAY TRAIN EMERGENCY ALARM APPARATUS
Lars O. Grondahl, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 24, 1945, Serial No. 595,566
8 Claims. (Cl. 246—169)

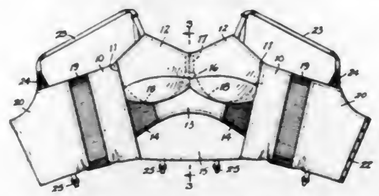
1. In combination, a railway train vehicle having mounted thereon transmitting apparatus operable to supply either a first or a second current of different preselected carrier frequencies, generating means operable to supply oscillations

of either a first or a second preselected tone frequency, said generating means connected to said transmitting apparatus to modulate the first and second carrier frequency current by said first and second tone frequencies respectively to supply a first and a second alarm current, control means having contacts to govern the condition-



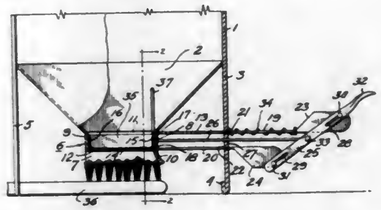
ing of said transmitting apparatus and said generating means to alternately supply said first and second alarm currents in a cyclic manner, and means including a contact member connected to a given element of said vehicle to automatically govern said control means when a predetermined operating condition occurs.

2,456,872
BRASSIÈRE
John V. Hollar, Bridgeport, Conn., assignor to The La Resista Corset Company, Bridgeport, Conn., a corporation of Connecticut
Application May 24, 1945, Serial No. 595,509
2 Claims. (Cl. 2—42)



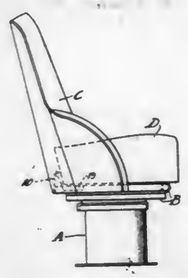
1. A brassière comprising a body encircling band adapted to be detachably connected at its lower edge to a girdle having its upper marginal portion underlying said brassière, said body encircling band comprising a back section, side sections, and a front section, said front section comprising an upper bust pocket part, including a pair of bust pocket portions and a transverse band portion secured to the lower edges of said bust pocket portions having laterally yieldable insert means, and having its lower edge arched upwardly and secured at each end to the forward edges of said side sections in upwardly spaced relation to the lower edges of said side sections, a lower panel part secured at its side edges to the forward edges of said side sections having its upper portion overlapped by the band portion of said bust pocket part and having a central upwardly extending portion adapted to lie between the busts of the wearer and being relatively movable vertically with respect to said band portion, and having its lower edge in substantially lateral line with the lower edges of said side sections, shoulder straps connected between said bust pocket portions and said back section adapted to support the upper edges of said bust pocket portions in substantially fixed relation to the portion of the wearer's body engaged thereby, and a vertically elastic suspension member secured at its upper end to said relatively fixed upper edge of said bust pocket portions and secured at its lower end to the central upwardly extending portion of said lower panel part to yieldably support the latter.

2,456,873
DISPENSER FOR TOOTH POWDER AND THE LIKE
Richard W. Hopkins, Troy, N. Y.
Application June 24, 1946, Serial No. 678,857
4 Claims. (Cl. 222—126)



1. A dispensing container comprising a hopper provided with a measuring chamber at its bottom, open at upper and lower ends; upper and lower gates for the chamber slidable to open and closed positions; actuating means connected with the gates for moving the same in opposite directions to close the upper gate as the lower gate is opened and vice versa; and members carried by the gates for scraping the walls of the hopper and the chamber as the gates are moved.

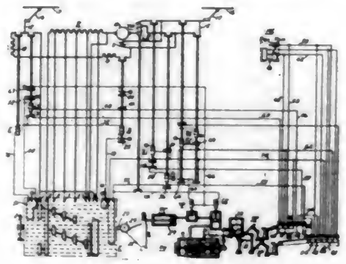
2,456,874
TILTING CUSHION STRUCTURE
Kenneth K. Horner, Chicago, and Laurence W. Hiltman, Palos Heights, Ill., assignors to S. Karpen & Bros., Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 642,308
2 Claims. (Cl. 155—120)



1. In a seat structure, a cushion carried thereby, a back equipped with a plate having a plurality of spaced recesses therein, said plate having an upper shoulder and lower shoulder, a bracket carried at the back of the cushion, a latch member pivotally mounted upon said bracket, a spring member normally urging said pivoted latch member toward said recesses, said latch member being provided with a recess adapted to be engaged by said spring to latch the same

in inoperative position when said latch member engages the upper shoulder of said plate and being released from engagement with said recess when said latch member engages the lower shoulder of said plate, and link means connecting said brackets and preventing movement of said cushion member beyond said upper position wherein said spring engages said latch member to lock it in inoperative position.

2,456,875
MOTOR CONTROL SYSTEM
William M. Hutchison, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1943, Serial No. 508,264
7 Claims. (Cl. 318—390)



7. In a control system for a motor, in combination, a resistor for controlling the motor current, a controller for shunting said resistor step-by-step, switching means controlled by said controller for controlling the operation of said motor, fluid-pressure means for actuating said controller, regulating means for varying the fluid pressure on said fluid-pressure means, a plurality of manually operable means individually operable to adjust said regulating means to control said fluid pressure, electrically-operated valve means for releasing the pressure fluid from said fluid-pressure means independently of said regulating means, control means actuated by any one of said manually operable means and co-operating with said switching means to control the operation of said valve means, and additional control means associated with said controller and cooperating with said control means to prevent the reapplication of pressure to said fluid-pressure means prior to the return of said controller to a predetermined position.

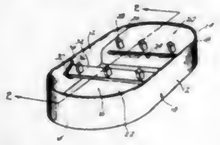
2,456,876
RAKE
William J. Keller and Nellie G. Keller, St. Louis, Mo.
Application October 27, 1944, Serial No. 560,630
2 Claims. (Cl. 56—400.17)

1. In a leaf rake, a semi-hexagonally shaped head defined by folded over bottom and top plates to provide a space therebetween and having a plurality of equally spaced openings at the fold edge, the bottom plate having opposed cutouts to provide upright side wings and an upright rear wing folded over corresponding marginal edge portions of the top plate to cover and conceal corresponding marginal edge portions of the top plate, and rake tines having their inner end portions passing through the aforesaid openings into the space between the bottom and top plates and occupying the entire space between the apertured folded edge and the upright rear wing, the rear ends of the tines contacting the upright wing and each tine being integrally secured to the bottom wall closely adjacent the upright



rear wing to become a unit therewith, the arrangement preventing the tines from becoming loose with relation to the bottom plate and displaced between the bottom and top plates.

2,456,877
SOAP DISH
John Kirkbride, Detroit, Mich.
Application January 18, 1946, Serial No. 642,052
1 Claim. (Cl. 45—28)

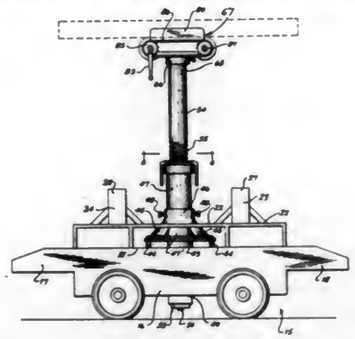


A device of the character described, comprising a soap dish having a bottom, straight side walls and curved end walls perpendicular to said bottom, a raised platform in said dish at one end thereof, the top surface of said platform being inclined downwardly toward the bottom of the dish from the upper end of one of the curved walls thereof relatively spaced upstanding square shaped lugs on said platform adjacent the forward end thereof for supporting one end of a cake of soap, a well formed in the dish forwardly of said raised platform, opposed parallel U-shaped supporting ledges formed on the side walls of said dish on the inner sides thereof above the well in inclined relation thereto and a removable bar at the other end thereof in said ledges having square shaped lugs formed thereon for supporting the opposite end of said soap.

2,456,878
TIMBERMAN'S JACK
Helen G. Krupka and Joseph Jack Krupka, Fairmont, W. Va.
Application January 31, 1945, Serial No. 575,442
9 Claims. (Cl. 254—85)

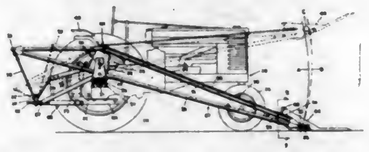
1. A mine car, a pair of spaced-apart platforms thereon, a turn-table mounted on one platform and projecting through the other platform and a jack supported by the turn-table, said jack comprising telescopically connected tubes, one of

which is screw-threaded and a threaded collar seated upon the other tube for operating the threaded tube, levers connected to the collar by means of which it is turned, a trough head for



said threaded tube, rollers carried by said head for supporting a timber, means for turning said rollers, one of said rollers being spiked to bite into the timber.

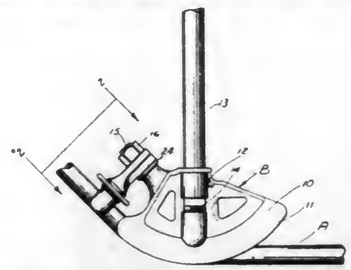
2,456,879
LOADER MACHINE
Joseph B. Kucera, Traer, Iowa
Application January 11, 1946, Serial No. 640,545
5 Claims. (Cl. 214—140)



1. A loader attachment for a tractor having a rear axle, including a pair of pivoted lifting arms arranged at opposite sides of said tractor, a load carrying unit supported between the forward ends of said arms, upright members on said arms intermediate the ends thereof, a pair of upright supports oppositely arranged on said axle, means pivoting said upright members on said upright supports for up and down pivotal movement, means on said upright supports guidably engageable with said upright members to hold said arms against lateral movement at any pivotally moved position therefor, and power operated means adapted to act on the rear ends of said arms to pivotally move said arms to raise and lower said load carrying unit.

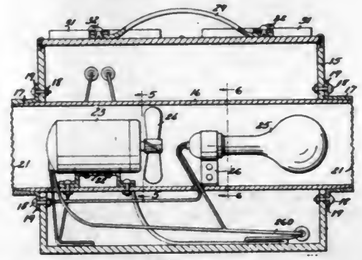
2,456,880
TUBE AND CONDUIT BENDING HAND TOOL
Burnham Lampert, Sacramento, Calif.
Application June 14, 1945, Serial No. 599,453
1 Claim. (Cl. 81—15)

In a pipe bending tool, the combination of a segmental-shaped anvil having a peripheral groove adapted to receive a pipe, a radial socket on said anvil, a handle secured in said socket, a pivot lug extending from said anvil in the plane thereof, swinging jaws pivoted on said lug for movement in a plane normal to the plane of said anvil, opposed gripping claws having a curvature substantially equal to that of said peripheral groove, said claws being formed on said jaws opposed to each other and movable in a common plane normal to the plane of said anvil for embracing the pipe, a coiled expansion spring attached to and interposed between said jaws for moving the same away from each other, a pin-and-slot means on said jaws for limiting relative



movement therebetween, means on said lug retaining thereon said swinging jaws, a locking collar slidably encircling the jaws for moving the same, and thereby the claws toward each other for frictionally locking the pipe therebetween.

2,456,881
PORTABLE HEATER AND DRIER
John H. Leather, Newton, N. J.
Application April 29, 1947, Serial No. 744,639
3 Claims. (Cl. 219—39)

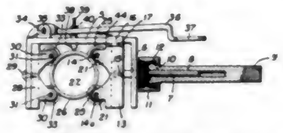


1. A portable heater comprising a casing, a central tube extending longitudinally through the casing, an electric fan mounted within the central tube, a heating element mounted in the central tube in advance of the electric fan, and said central tube extending beyond the ends of the casing, screens over the ends of the tube, ring elements surrounding the extended ends of the tube and connected to the casing, tubes fitted upon the ring elements at the end of the central tube, said tubes serving as an outlet passage for the heated air after it has passed over a concentrated area of a body surface, a flexible casing connected between the outlet and return tubes and adapted to be laced to the body being heated in such a manner as to prevent escape of the heated air from the opposite ends of the same and at the same time permit the circulation of air therethrough.

2,456,882
INSULATION CUTTING TOOL
George W. Mackey, St. Louis, Mo., assignor of fifty per cent to Sidney S. Hogan, St. Louis, Mo.
Application February 7, 1947, Serial No. 727,093
8 Claims. (Cl. 30—91)

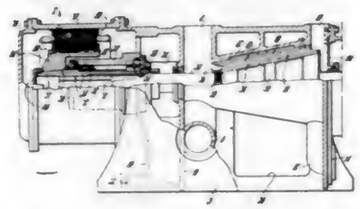
1. In a device of the class described, a channel member, a stationary frame removably secured

to the inner wall of one side thereof, a movable frame at the other side of said channel member, longitudinally extending shafts carried by each of the frames, a plurality of spacing sleeves on the shafts, a pair of cutting wheels loosely mounted on each of the shafts and adapted to form cir-



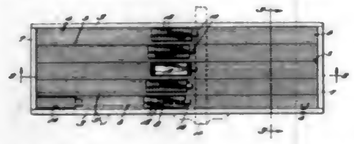
cumferential cuts in the insulating covering of a conductor positioned between the frames and parallel to the shafts, and means carried by the members and connected to the movable frame for advancing the movable frame toward the stationary frame.

2,456,883
JORDAN APPARATUS
William Messinger, Philadelphia, Pa., and Dwight E. Jones, Pittsfield, Mass., assignors to E. D. Jones & Sons Company, Pittsfield, Mass., a corporation of Massachusetts
Application September 27, 1945, Serial No. 618,912
3 Claims. (Cl. 92—27)



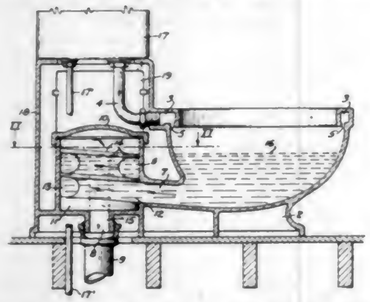
3. A unitary self-contained motor-driven Jordan apparatus comprising in combination, a supporting casing having forward rotatable bearing means and a conical bore in axial alignment therewith intermediate its forward and rear ends, a motor stator secured to the rear end of the casing and entirely supported thereby, a hollow rear bearing support secured to the rear end of the casing disposed concentrically of said motor stator spaced inwardly thereof and terminating intermediate the ends of said stator, a quill within said bearing having an outer end extending beyond the outer end of said bearing support and provided with an axial bore, separate bearing means adjacent said bearing support rotatably supporting said quill, a motor rotor around said bearing support within and operably related to said stator having a portion secured to the outer end of said quill, a single elongated main shaft having a tapering plug supporting portion intermediate forward and rear ends thereof, forward and rear ends of said shaft disposed in said forward bearing means and bore of said quill, said bore and rear end of said main shaft therein provided with complemental angularly disposed faces whereby said shaft and quill are relatively non-rotatable and the shaft may be withdrawn from said quill, cooperating blading carried by the conical bore of the casing and plug supporting portion of the main shaft, said shaft being entirely supported in the forward bearing means and quill, and means at the forward end of the casing adapted to move said main shaft axially.

2,456,884
SLIDING BLOCK GAME
George Mikula, Jr., Jersey City, N. J.
Application January 11, 1946, Serial No. 640,535
3 Claims. (Cl. 273—108)



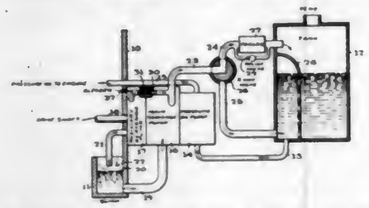
1. In a game including a board having a plurality of longitudinal channels and stop members at the ends of said channels, a marker block slidably mounted in one of said channels, a group of game pieces slidably mounted in the other of said channels, and resilient bumpers carried by each of said game pieces and said marker block for engaging the stop members and to rebound therefrom.

2,456,885
TOILET
James F. Molloy, Oakland, Calif.
Application August 26, 1948, Serial No. 46,337
4 Claims. (Cl. 4—69)



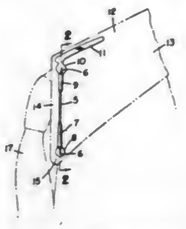
1. A toilet bowl with a water inlet and a tangential outlet and a trap chamber open to said outlet and having a sewer discharge outlet; and a block sealed in said trap chamber and having a helical groove in its perimeter and a central passage therethrough and connecting with the sewer discharge outlet of said chamber.

2,456,886
APPARATUS FOR DRY SUMP LUBRICATION OF ENGINES
Ernest A. Mori, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application October 12, 1945, Serial No. 621,886
5 Claims. (Cl. 184—6)



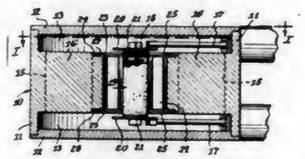
1. A dry sump lubrication system for engines comprising an oil supply tank separate from the engine and a pressure pump delivering oil therefrom to the engine, a main scavenge pump having an inlet which is submerged in oil retained in the engine sump, an auxiliary scavenge pump having an inlet which is normally above the level of oil in the sump, a common discharge pipe for both the main and auxiliary scavenge pumps leading to said supply tank, a valved connection between the discharge of said auxiliary scavenge pump and said common discharge pipe, and means for bleeding off air which is normally pumped by said auxiliary scavenge pump.

2,456,887
COLLAR SUPPORT
Grover C. Morrison, Huntington, W. Va.
Application January 8, 1947, Serial No. 720,750
4 Claims. (Cl. 2—132)



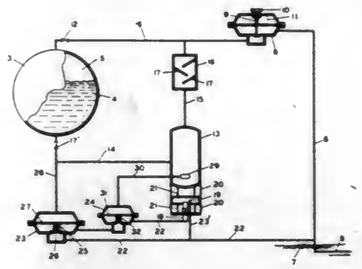
1. A collar support comprising an elongated substantially straight spring pointed at each end, a sleeve carried by each end of said spring, guards integrally formed with said sleeves and adapted to extend at one side of the pointed ends of said spring, and an arm extending rearwardly from one of said guards at an obtuse angle with said spring adapted to support the upper edge of a collar when the spring is positioned on the adjacent front edges of said collar.

2,456,888
MAGNETRON
Ernest C. Okress, Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 28, 1943, Serial No. 473,829
6 Claims. (Cl. 315—40)



1. A strapped anode for a magnetron comprising an anode body providing a plurality of radiating partitions the longitudinal ends whereof are in common planes and form the end plane of the anode, said anode having a circular recess in the end thereof, said recess being stepped so as to be deeper next one periphery of the recess than the other, and a strap overlying the deeper part of said recess out of contact thereat from the anode, said strap having projections in the less deep part of the recess and in contact with and supported by selected ones of said partitions.

2,456,889
VAPORIZER
Andrew R. Olson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 9, 1945, Serial No. 598,609
7 Claims. (Cl. 62—1)

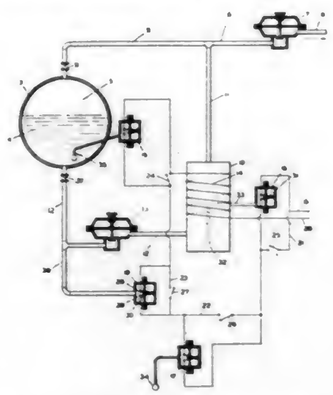


4. A storage and vaporizing system for liquefied gases comprising in combination a storage tank for the liquefied gas, said storage tank having a vapor outlet and a liquid outlet, a vapor supply conduit connected to said vapor outlet, a vaporizing tank, a liquid supply conduit connecting said liquid outlet and said vaporizing tank, said vaporizing tank having a vapor outlet, a connecting vapor conduit connecting the vapor outlet of said vaporizing tank with said vapor supply conduit, a vapor liquid separator in said connecting vapor conduit, means to heat said vaporizing tank comprising a main burner, a main burner supply conduit connecting said main burner and said vapor supply conduit, a pilot burner, a pilot burner supply conduit connecting said pilot burner and said main burner supply conduit, a fluid pressure actuated shut-off valve in said main burner supply conduit at a point between said pilot burner supply conduit and said main burner, and a fluid pressure supply conduit connecting said liquid outlet of said storage tank and said shut-off valve whereby a predetermined pressure in said storage tank actuates said shut-off valve.

2,456,890
VAPORIZER
Theodore A. St. Clair, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 9, 1945, Serial No. 598,610
12 Claims. (Cl. 62—1)

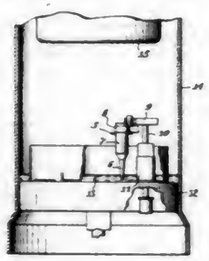
1. A storage and vaporizing system for liquefied gases comprising in combination a storage tank for the liquefied gas, said storage tank having a vapor outlet and a liquid outlet, a vapor supply conduit connected to said vapor outlet, a pressure regulating valve in said vapor supply conduit for limiting the vapor pressure in that portion of said vapor supply conduit on the other side of said regulating valve from said storage tank, a vaporizing tank, a liquid supply conduit connecting said liquid outlet and said vaporizing tank, a pressure regulating valve in said liquid supply conduit, said vaporizing tank having a vapor outlet, a connecting vapor conduit connecting the vapor outlet of said vaporizing tank with said vapor supply conduit at a point between said storage tank and said pressure regulating valve, means to heat said vaporizing tank comprising a main burner, a main burner supply conduit connecting said main burner and said vapor

supply conduit at a point on the other side of said pressure regulating valve from said storage tank, a pilot burner, a pilot burner supply conduit connecting said pilot burner and said main burner supply conduit, a first fluid pressure actuated shut-off valve in said main burner supply conduit at a point between said pilot burner supply conduit and said main burner, a fluid pressure supply conduit connecting said liquid outlet of said storage tank and said first shut-off



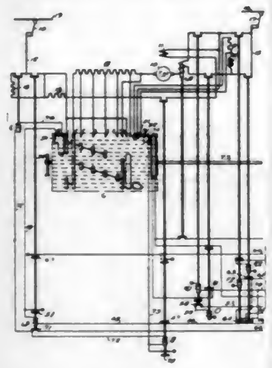
valve whereby a predetermined pressure in said storage tank closes said first shut-off valve, a second fluid pressure actuated valve in said main burner supply conduit at a point between said pilot burner supply conduit and said main burner, a thermal pressure fluid supply bulb disposed so as to be heated by said vaporizing tank, and a thermal pressure fluid conduit connecting said second shut-off valve and said supply bulb whereby a predetermined temperature in said vaporizing tank closes said second shut-off valve.

2,456,891
IGNITOR
William W. Rigrod, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 4, 1945, Serial No. 571,256
10 Claims. (Cl. 250—27.5)



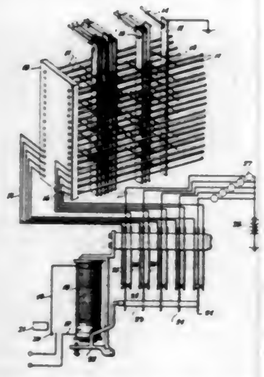
1. An ignitor comprising ingredients of boron and carbon, and an additional ingredient of a metallic compound inclusion whereof gives to the composition a less negative and more positive temperature coefficient of resistance.

2,456,892
MOTOR CONTROL SYSTEM
Lynn G. Riley, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1943, Serial No. 508,265
4 Claims. (Cl. 318—259)



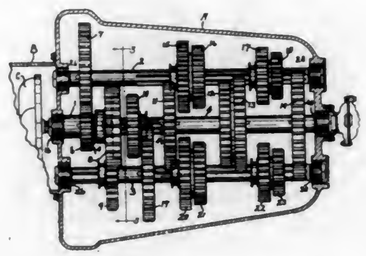
1. In a motor control system, in combination, switching means for connecting the motor to a power conductor to accelerate the vehicle, reversing switches for controlling the direction of operation of the motor, additional switching means cooperating with said reversing switches to establish dynamic braking connections for the motor, a controller for controlling the motor current during both acceleration and dynamic braking, and relay means responsive to the motor current for controlling the operation of said controller, the operating characteristics of said relay means being changed by the operation of said reversing switches.

2,456,893
SWITCHING ARRANGEMENT FOR SELECTORS
Bert W. Roth, Riverdale, N. Y., assignor to Trans-Lux Corporation, New York, N. Y., a corporation of Delaware
Application April 11, 1946, Serial No. 661,272
4 Claims. (Cl. 177—353)



1. A controller including in combination a plurality of moveable actuating units, groups of elements arranged according to predetermined permutations, at least certain of said actuating units mounting a pair of said groups to extend in different directions, two assemblies of contact members arranged to be engaged by the individual elements of the different groups upon the actuating units mounting the same being moved to establish electrical contacts between such elements and members and shiftable switch means connected to all of said contact members and operable to complete and interrupt circuits through one and the other of said contact assemblies.

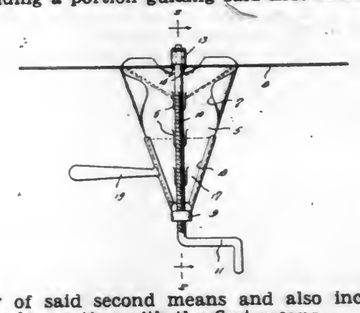
2,456,894
TRANSMISSION FOR MOTORIZED VEHICLES
Elwood A. Ryker, Spokane, Wash.
Application December 17, 1946, Serial No. 716,747
3 Claims. (Cl. 74—343)



1. In a transmission, a drive shaft, a main shaft aligned with the drive shaft and having one end rotatably engaged with the drive shaft, a low speed countershaft, a high speed countershaft intermeshing gears fixed to the low speed countershaft and the drive shaft, a large gear fixed to the drive shaft and disposed about the adjoining end portion of the main shaft and having inner and outer teeth, a gear slidable along the high speed countershaft into and out of mesh with the outer teeth of the large gear, a large gear fixed to the high speed countershaft, a small gear slidable along the main shaft from a position in mesh with the large gear of the high speed countershaft into a position to fit within and mesh with the internal teeth of the large gear of the drive shaft, a series of gears of different sizes fixed upon the main shaft, and gears smaller than the last mentioned gears on the main shaft and of different sizes slidable along the low speed countershaft and the high speed countershaft into and out of position for selective meshing with companion ones of the said last mentioned gears on the main shaft.

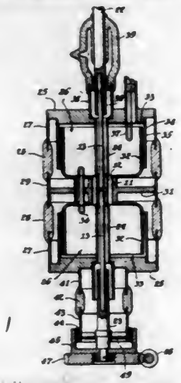
2,456,895
WIRE STRETCHER
Hugo Sattler, Doss, Tex.
Application April 10, 1944, Serial No. 530,382
2 Claims. (Cl. 24—71.1)

1. A wire stretcher comprising a rigid plate member having at opposite edges flanges spaced from the remaining part and disposed in substantial alignment, a plurality of hooks on the side of the plate facing said flanges and spaced from one another on a line intermediate the edges of said plate, a holder disposed against the other side of said plate and having at opposite edges guides engaging the edges of said plate, means for engaging a wire extending above the flanges, a second means cooperating with the holder and including a portion guiding said first means ax-



ially of said second means and also including threads coacting with the first means.

2,456,896
ULTRA HIGH FREQUENCY DEVICE
Charles M. Slack, Glen Ridge, Ilia E. Mouromtseff, Montclair, and George M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 8, 1944, Serial No. 548,584
7 Claims. (Cl. 315—5)

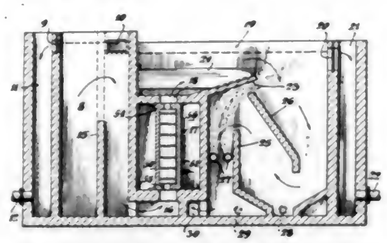


1. An ultra high frequency device comprising an anode and a grid in proximity thereto, and a pair of electrode members between which an arc is adapted to form and constitute the cathode, said members providing a gap therebetween within which said arc may form and from which said arc may expand laterally, said members being located on the opposite side of the grid from the anode in at least as close proximity to said gap as the proximity of the grid to said members and within range of expansion of the arc to said grid from said gap.

2,456,897
ELECTROLYTIC CLARIFICATION APPARATUS
Lloyd Dunn Smiley, Jackson Heights, and Edward S. Lansing, New York, N. Y., assignors, by direct and mesne assignments, of one-half to said Lansing and one-half to Howard B. Bishop, Summit, N. J.
Application May 19, 1942, Serial No. 443,596
2 Claims. (Cl. 204—232)

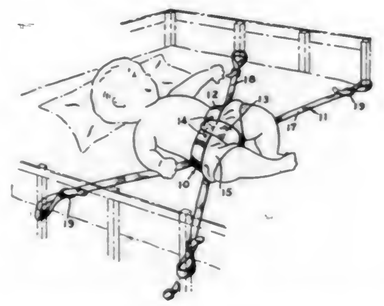
1. An apparatus for treating electrolytically liquids containing solids, comprising a relatively

deep tank of extended cross-sectional area, a substantially vertical conduit in said tank of smaller cross-sectional area than said tank, said conduit having an open top terminating below the top of said tank, an electrolytic cell in said conduit having pairs of horizontally spaced electrodes defining substantially vertical flow paths therebetween, means for supplying a liquid to be treated to the bottom of said conduit for flow



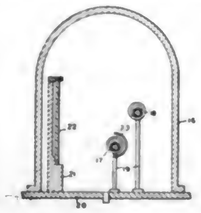
upwardly therethrough and discharge into said tank, a shelf extending laterally from adjacent the top of said conduit to form a relatively shallow pond above said conduit in which the velocity of liquid flow is sufficiently reduced to minimize agitation at flotation level, means beneath said shelf for directing a gas upwardly to aid in floating said solids, overflow means for discharging said floating solids continuously adjacent the top of said tank, and discharge means for said liquid below the first-mentioned discharge means.

2,456,898
BODY RESTRAINT FOR INFANTS
Harry I. Strandhagen, Fort Lauderdale, Fla., assignor, by mesne assignments, of one-half to Bassett Research Corporation, a corporation of Michigan
Application September 3, 1946, Serial No. 694,470
2 Claims. (Cl. 128—134)



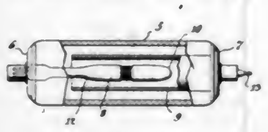
1. An infant harness comprising a garment having a waist-encircling portion and having a portion depending from the waist-encircling portion intermediate the ends of the latter and adapted to be looped between the legs of the infant for attachment to the free ends of the waist-encircling portion, relatively narrow straps extending transversely with respect to one another and diagonally with respect to the waist-encircling portion at the outer side of the garment, said straps being secured at the point of crossing to the garment intermediate the ends of the waist-encircling portion adjacent the juncture of the depending portion with the waist-encircling portion.

2,456,899
USE OF SILICON COMPOUNDS IN PRODUCING QUARTZ COATINGS IN A VACUUM
John Donovan Strong, Baltimore, Md., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 3, 1947, Serial No. 783,837
7 Claims. (Cl. 117—106)



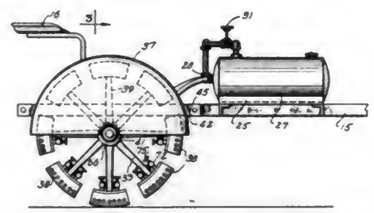
4. The method of coating a surface with quartz by evaporation technique within a vacuum, comprising heating quartz in contact with a material selected from the group consisting of silicon and silicon carbide reactive with the quartz to form silicon monoxide when heated on a heat radiating support body in a high vacuum to react the quartz to form silicon monoxide, continuing the application of heat to evaporate the silicon monoxide, depositing the silicon monoxide on a support surface, and oxidizing the deposit to form a quartz coating.

2,456,900
SPARK-GAP DEVICE AND ELECTRODE THEREFOR
Harold J. Sullivan, Cranford, and Edward G. F. Arnott, Upper Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 2, 1944, Serial No. 552,414
3 Claims. (Cl. 250—27.5)



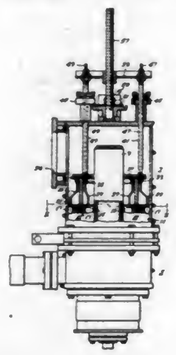
1. A spark-gap device comprising a vitreous envelope provided with metallic end closure members hermetically sealed thereto, a cathode supported by one of said closure members and an anode supported by the other of said closure members in telescopic relation with said cathode, an ionizable medium in said envelope for supporting a discharge between said electrodes upon the application of a potential thereto, said anode being provided with an end devoid of an abrupt change in radius of curvature at its inner extremity and having a similar surface of curvature adjacent the inner extremity of said cathode, said anode having a roughened surface to offset the effect of sputtered particles accumulated thereon from said surrounding cathode, and the pressure of said ionizable medium being higher than that normally employed for the same applied potential with an anode of smooth surface.

2,456,901
COTTON CHOPPER WITH BURNERS
Luther B. Swafford, England, Ark.
Application October 11, 1946, Serial No. 702,792
7 Claims. (Cl. 97—22)



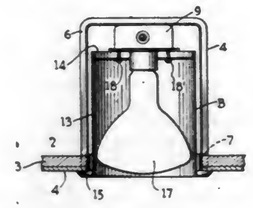
1. A crop destroying agricultural implement comprising a main frame, a transversely extending axle structure on the frame, wheel-supporting devices comprising a hub portion journaled to the axle structure and containing a distributing fuel mixture arrangement, a plurality of circumferentially spaced radially extending spokes connected in fluid communication with the hub portion, heating box structures secured to the outer ends of the spokes, said spokes having passageway means for communicating the fluid to the outer ends of the spokes, and burners extending into the box structures and connected to the passageways of the spokes to receive fuel therefrom, said heating box structures adapted to be heated by the burner means whereby as the implement is drawn over the row crop, the plants will be destroyed from the heat communicated to them from the box structures, and fuel supply means for delivering fluid to the axle structure.

2,456,902
CONTACT AND SHORTING MECHANISM
Robert L. Treuthart, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 17, 1945, Serial No. 583,295
12 Claims. (Cl. 173—324)



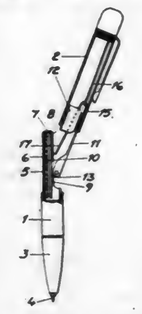
1. In combination with two spaced and facing surfaces of an electric circuit, an elongated hollow member expansible lengthwise and having an inlet and an outlet permitting a continuous supply of cooling fluid through the interior of said member under pressure to cool and expand it, said member being positioned lengthwise between said surfaces and forming when expanded an electrical interconnection therebetween for the conduction of current.

2,456,903
LIGHTING FIXTURE
Kurt Versen, Tenafly, N. J.
Application May 18, 1946, Serial No. 670,680
5 Claims. (Cl. 240—78)



1. A recessed lighting fixture comprising a fixture housing provided with a bottom flange extending outwardly therefrom, a supporting cage surrounding said housing and comprising a base frame, provided with a top flange extending outwardly therefrom and having secured thereto at least one overhead bridge, and a junction box including lamp socket, said housing and said cage being connected by interlocking means operative in a direction perpendicular to the lanes of said flanges, with an intervening space between said housing and said cage to allow for compensation of variations in thickness and surface of the mounting surface, said flanges being adapted to engage therebetween the mounting surface in a vise-like grip.

2,456,904
STAMP
Nils Harald Wahlström, Stockholm, Sweden
Application August 4, 1945, Serial No. 608,891
In Sweden December 21, 1944
3 Claims. (Cl. 101—333)

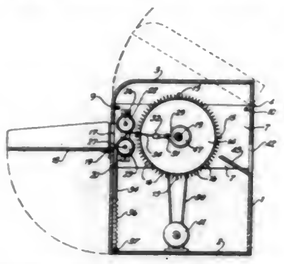


1. A stamping assembly comprising in combination a slotted sleeve, a stamp pad in said sleeve, a stamp plate adapted to be inserted through the slot of said sleeve for contact with said pad, and a telescopic handle pivotally attached to said stamp plate and adapted to telescope on said sleeve in closed position of the stamp plate and upon itself in operable position.

2,456,905
FIBER RENOVATING MACHINE
Elmer J. Wines, South Gate, Calif.
Application July 11, 1946, Serial No. 682,775
6 Claims. (Cl. 19—80)

1. A fiber renovating machine including a cabinet having opposite inlet and discharge apertures, a combined combing and blower cylinder

rotatably mounted in said cabinet, means for driving said cylinder, opposed eccentrics on the ends of said cylinder, cooperating feed rollers



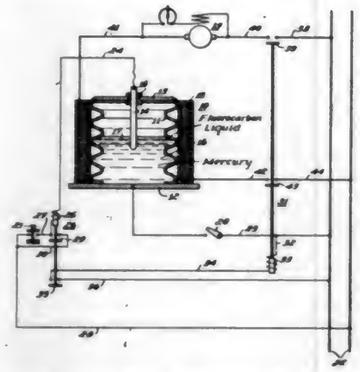
mounted between said inlet apertures and said cylinder, and belts connected between said eccentrics and said rollers for alternately driving the opposite ends of said rollers.

2,456,906
SUPPORTING SURFACES FOR AIRCRAFT
Louis Béchereau, Paris, France; vested in the Attorney General of the United States
Application December 16, 1939, Serial No. 309,655
In Luxemburg December 19, 1938
6 Claims. (Cl. 244—42)

1. In a wing structure characterized by a relatively stationary main wing portion and a pivotable wing portion; a fixed air passage provided by a slot formed through said main wing portion, said slot inclining rearwardly from the undersurface of said main wing portion and terminating through the trailing edge surface of said main wing portion, said trailing edge surface being concave, and said leading edge of the pivotable wing portion being formed with mating parts convexed to conformably engage with concave parts of the trailing edge of said main wing portion and located above and below the rearward opening of said passage in a manner to substantially close said rearward opening of the passage while the pivotable wing portion is in coplanar relation to the main wing portion, and pivot means mounting said pivotable wing portion on said main wing portion in a manner enabling said pivotable wing portion to be swung away from said coplanar relation to a position wherein said mating parts are dislocated with respect to each other and the rearward opening of said passage is open for the passage of air rearwardly over said pivotable wing portion.

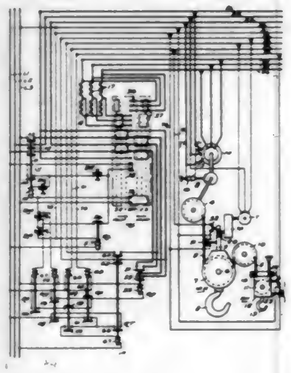
2,456,907
OVERLOAD RELAY
Leo J. Berberich, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1947, Serial No. 765,114
6 Claims. (Cl. 200—122)

1. In a switch, in combination, a container capable of expanding and contracting in response to changes in internal pressure, mercury in the container to be used as one of the electrodes of the switch, a second electrode disposed in the container to move into and out of the mercury as the container contracts and expands, respectively, with changes in internal pressure to perform switching operations, and a quantity of a



completely fluorinated hydrocarbon liquid floating on the mercury to maintain substantially constant vapor-pressure characteristics in the container and to protect the mercury from contamination during the operation of the switch to make and break circuits carrying electric current.

2,456,908
CRANE CONTROL
Remi Bollaert, Oakland, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 12, 1946, Serial No. 696,568
10 Claims. (Cl. 254—173)

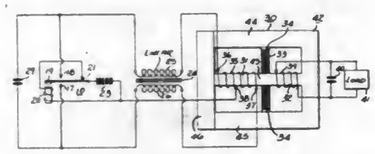


1. A control system for a hoist having a heavy main hook assembly, a light auxiliary hook assembly and a single cable from which said assemblies are suspended, and comprising in combination a hoist motor for operating said cable to selectively hoist and lower one of said assemblies, means for latching said main assembly in its top limit position, an electric device for releasing said latching means to permit lowering said main assembly from said position, limit switch means disposed to be actuated by said main assembly when the latter is in said top position, limit switch means disposed to be actuated by said auxiliary assembly when the latter is in top limit position, operator-actuable master control means connected to said motor for controlling its speed torque performance in hoisting and lowering direction, operator-actuable contact means for selecting of said assemblies for operation by said motor, and relay means connecting said selector contacts and said master controller with said limit switch means and said latch releasing device so as to permit releasing said latch means, for subsequent lowering of said main assembly from said top position, only when said auxiliary assembly is in its top position and said master control means in "off" condition and to permit selecting said auxiliary assembly, for subsequently lowering it from its top position, only when said main assembly is latched and said master control means is in "off" condition.

2,456,909
METHOD OF STERILIZING AND PRESERVING
Arno Brasch, Brooklyn, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation, a corporation of Delaware
No Drawing. Application September 28, 1946, Serial No. 700,167
17 Claims. (Cl. 21—54)

1. Method of sterilizing a substance, such as a foodstuff or a drug, without developing harmful side effects by bombarding the same with high speed electrons of a velocity equivalent to more than one million volts during at least one very short time period lasting less than 10^{-4} of a second.

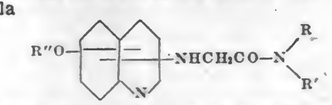
2,456,910
VIBRATOR REGULATING SYSTEM
Harold J. Brown, Indianapolis, Ind., assignor to Electronic Laboratories Incorporated, a corporation of Indiana
Application June 19, 1944, Serial No. 540,933
2 Claims. (Cl. 175—365)



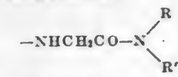
1. In a vibrating system having a vibrator with contact means energized by a direct current source and producing a pulsating current, the improvement of a regulating circuit energized by said pulsating current, said improvement comprising a leakage reactance transformer having a primary core portion with a continuous permeable circuit, a secondary core portion, and magnetic shunt means disposed between the primary and secondary core portions, primary winding means mounted on the primary core portion and energized by the pulsating current, secondary winding means mounted on the secondary core portion and adapted to supply an alternating current, inductance means for limiting the surge of primary current during the starting period of said vibrating system, said inductance means being connected between the contact means of the vibrator and the primary winding means, and capacitive means for producing substantially unity power factor operation of said transformer during steady-state conditions, whereby said inductance means thereafter has little regulating effect upon the system, said capacitive means being connected in parallel with the secondary winding means.

2,456,911
DISUBSTITUTED ACETAMIDYL DERIVATIVES OF AMINO QUINOLINES
William F. Bruce, Penfield, Upper Darby, Pa., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 4, 1945, Serial No. 592,062
7 Claims. (Cl. 260—287)

1. Substituted alkoxyquinolines of the general formula



where the R''O radical may be substituted in any of the 2–7 positions and the

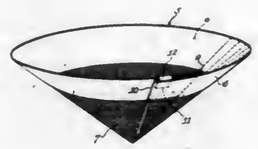


radical may be substituted in any of the 2–8 positions in the quinoline ring and where R'' is a lower alkyl radical and



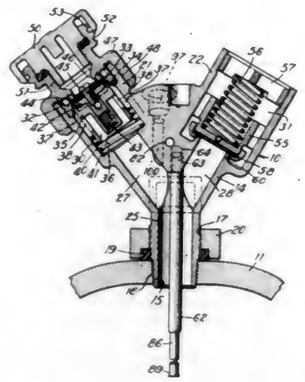
is a radical selected from the group consisting of a piperidyl radical and a radical where R represents a member of the group consisting of alkyl and cycloalkyl radicals and R' represents a member of the group consisting of alkyl, alkenyl and cycloalkyl radicals.

2,456,912
COLLAPSIBLE AND ADJUSTABLE FILTER AND STRAINER
Edwin N. Burrows, Detroit, Mich.
Application March 22, 1945, Serial No. 584,105
2 Claims. (Cl. 210—161)



2. An adjustable filter and strainer for varying sizes of receptacles comprising a pair of superimposed annular frame members of flexible sheet material with a central aperture therethrough, said frame members being foldable into frustoconical form along fold lines determined by the size of the receptacle opening and providing reversely folded overlapping portions, a flexible filtering element secured between said superimposed frame members across said aperture and foldable along lines approximately co-extensive with the fold lines of said frame members, and an integral locking tab projecting radially outward from the periphery of said frame members and foldable thereover into interlocking engagement between folds of said reversely folded overlapping portion.

2,456,913
FITTING
William C. Buttner, Evanston, and Savin L. Surdstrom, Chicago, Ill., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application March 25, 1947, Serial No. 736,994
3 Claims. (Cl. 62—1)



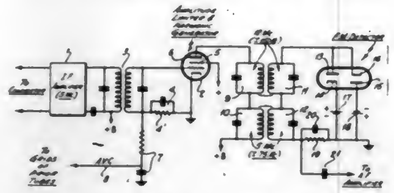
3. For use in a fitting, a filler valve comprising a cylindrical passage having a shoulder at one end and an inwardly facing conical seat at the other, a valve member substantially filling and disposed within said passage, means for urging said member toward said conical seat, an annular groove opening into said member from the end opposite said seat, a plurality of flutes on the sides of said member for supporting said member in said passage, a radial hole connecting each flute with said annular groove, a second valve seat coaxial with said conical seat, and a second valve member supported by said first member but movable independently therefrom for closing against said second seat.

2,456,914
CHUCK
John Edwin Ingliston Cairns, Chalfont-St.-Peter, and Charles Dickson Docherty, Hayes, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application January 31, 1947, Serial No. 725,698
In Great Britain November 23, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 23, 1964
4 Claims. (Cl. 279—2)



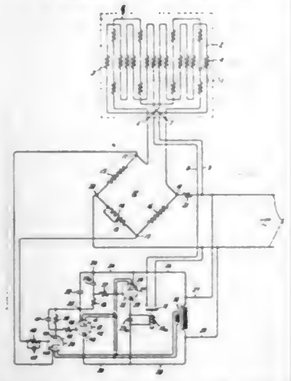
4. A chuck for resiliently engaging protrusions on the inside surface of a cylindrical glass part, comprising a cylindrical member, bearing members longitudinally disposed and peripherally spaced on said member, and projecting outwardly therefrom, a resilient band surrounding a periphery of said member and engaging said bearing members, said resilient band being responsive to said protrusions to engage a peripheral portion of said member intermediate said bearing members, whereby said chuck holds said glass part against rotation.

2,456,915
ANGLE MODULATED WAVE DETECTOR
Wendell L. Carlson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 22, 1945, Serial No. 595,209
14 Claims. (Cl. 250—27)



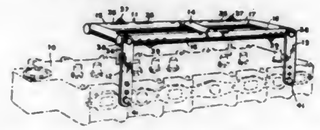
1. In a method of detecting angle modulated high frequency waves, deriving from the waves a fundamental and an harmonic angle modulated wave, combining said fundamental and harmonic waves to produce a resultant high frequency wave which has a wave form having a variable degree of asymmetry dependent on the angle modulation, and subjecting the resultant wave to symmetrical, non-linear detection to provide a voltage representative of the said variable asymmetry.

2,456,916
ELECTRIC BLANKET CONTROL
Harry W. A. Chalberg, Berne, N. Y., assignor to General Electric Company, a corporation of New York
Application January 9, 1946, Serial No. 639,993
3 Claims. (Cl. 219—46)



1. An electric blanket and the like comprising a blanket body, heating means for said body, means for controlling said heating means including a control circuit therefor controlling said heating means in accordance with the current in said circuit, a source of alternating current voltage, means for supplying half-wave unidirectional current to said control circuit comprising a controlling electric valve provided with an anode, a cathode and a control grid, and having its anode-cathode path included in a circuit with said source and said control circuit, means for supplying to said grid a voltage having a periodically varying component and a direct component comprising a capacitor having connections to said grid and cathode and a pair of reversely connected electric valves connected in circuit with said capacitor across said source, one of said reversely connected valves having an anode, a cathode and a control grid, and means for supplying to the grid and cathode of said reversely connected valve a voltage responsive to the temperature variations of the blanket body so as to supply a voltage to the grid of said controlling electric valve to control the current in said control circuit in order to hold a substantially constant temperature.

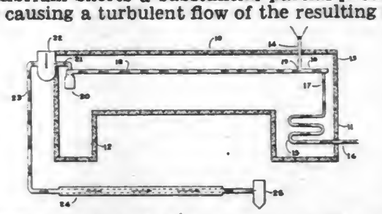
2,456,917
ENGINE HEAD LIFTING TOOL
Alvah R. Cheek, Thurman, Iowa
Application October 23, 1946, Serial No. 705,001
5 Claims. (Cl. 294—15)



5. A cylinder head lifting tool comprising a frame composed of an H-shaped central member and two U-shaped frame portions, one to each side of said H-shaped central member, said U-shaped frame portions being each telescopically adjustable relative to the parallel legs of said H-shaped central member so as to permit adjustment of the length of the frame symmetrically to said central member, slots in one of the two longitudinal sides of said frame extending through said longitudinal side in a plane perpendicular to the plane of said frame to permit the passage through said slots of stud-bolts extending out of the top of said cylinder head, two links attached in a tightenable manner to the other of said two longitudinal sides of said frame and extending in a plane perpendicular to the plane of said frame, and means provided at the free end of each link for the attachment of the latter to the side of the cylinder head, said links rigidly supporting said frame in a position parallel to the top surface of the cylinder head at a distance therefrom when these links are tightened on said longitudinal side of the frame and said side of the cylinder head, but being foldable upon said frame when the tool is removed from the cylinder head.

2,456,918
DISTILLATION OF VOLATILIZABLE METALS
Howard Church, Los Gatos, Calif., assignor to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
Application September 5, 1945, Serial No. 614,521
6 Claims. (Cl. 75—67)

1. In the method of refining a mixture of a volatilizable metal and less volatile solid impurity, wherein the mixture is heated to a temperature sufficient to vaporize the metal but insufficient to vaporize the impurity, and the metal vapor is separated from the unvaporized impurity, the improvement which comprises supplying at least the major portion of the heat of vaporization of the metal by means of a preheated inert gas by adding the said mixture of metal and impurity in finely divided form to the preheated gas in proportions such that a suspension of the solids in the gas is formed in which the metal at thermal equilibrium exerts a substantial partial pressure, and causing a turbulent flow of the resulting suspension thereby rapidly vaporizing the metal from the suspended solids by virtue of the heat transferred from the preheated gas to the solids suspended therein, and separating the suspended solid impurity from the gaseous mixture of inert gas and metal vapor.



2,456,919
METHOD FOR IMPROVING WATER-RESISTANT CHARACTERISTICS OF RESINS AND RESINOUS ARTICLES, AND RESINOUS PRODUCTS RESULTING THEREFROM
Loring Coes, Jr., Brookfield, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Original application September 28, 1942, Serial No. 459,956. Divided and this application April 1, 1947, Serial No. 738,718
12 Claims. (Cl. 260—39)

5. A composition of matter capable of curing to a water resistant resin comprising aniline formaldehyde resin, a poly-glycol dichloride selected from the group consisting of di-, tri-, tetra- and penta-, poly-glycol dichlorides, and a metal selected from the group consisting of lead, iron, zinc and copper, the metal being capable of reacting with the HCl which, during subsequent heating of the composition, becomes bonded to the N atoms of the amino groups, the Cl being derived from the poly-glycol dichloride, to form metal chloride in well distributed minute quantities in said resin but chemically not a part thereof.

2,456,920
METHOD FOR IMPROVING WATER-RESISTANT CHARACTERISTICS OF RESINS AND RESINOUS ARTICLES, AND RESINOUS PRODUCTS RESULTING THEREFROM
Loring Coes, Jr., Brookfield, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Original application September 28, 1942, Serial No. 459,956. Divided and this application April 1, 1947, Serial No. 738,719
12 Claims. (Cl. 260—39)

5. A composition of matter capable of curing to a water resistant resin comprising aniline formaldehyde resin, a poly-glycol dichloride selected from the group consisting of di-, tri-, tetra-, and penta, poly-glycol dichlorides, and a metal oxide selected from the group consisting of zinc, lead and cobalt oxides, the metal oxide being capable of reacting with the HCl which, during subsequent heating of the composition, becomes bonded to the N atoms of the amino groups, the Cl being derived from the poly-glycol dichloride, to form metal chloride and water in well-distributed quantities in said resin but chemically not a part thereof.

2,456,921

METHOD FOR IMPROVING WATER-RESISTANT CHARACTERISTICS OF RESINS AND RESINOUS ARTICLES, AND RESINOUS PRODUCTS RESULTING THEREFROM

Loring Coes, Jr., Brookfield, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Original application September 28, 1942, Serial No. 459,956. Divided and this application April 1, 1947, Serial No. 738,720

9 Claims. (Cl. 260—39)

3. A composition of matter capable of curing to a water resistant resin comprising aniline formaldehyde resin, a poly-glycol dichloride selected from the group consisting of di-, tri-, tetra- and penta-, poly-glycol dichlorides and a salt of a weak acid selected from the group consisting of sodium silicate and zinc borate, the salt being capable of reacting with the HCl which, during subsequent heating of composition, becomes bonded to the N atoms of the amino groups, the Cl being derived from the poly-glycol dichloride, to form metal chloride and weak acid in well-distributed minute quantities in said resin but chemically not a part thereof.

2,456,922

FABRIC

Edward J. Cogovan, Amsterdam, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York

Application March 21, 1946, Serial No. 656,102

9 Claims. (Cl. 154—45.9)



1. A fabric which comprises a backing sheet, a thin film of adhesive on one surface of the sheet, and a plurality of loosely-twisted heavy yarns on the sheet, said yarns having flattened surfaces on opposite sides extending lengthwise of the yarns and of a width equal at least to half the width of the yarns, the yarns lying side by side with the flattened surface of each yarn lying in contact with like flattened surfaces of adjacent yarns, said yarns also having flattened surfaces of substantial width extending the full length of the yarns and lying in the plane of said film of adhesive and affixed to the sheet thereby along the entire length of the yarns, said film of adhesive forming the sole means for securing the yarns to said backing sheet, each yarn including a major proportion of fibres which are not potentially adhesive and a minor proportion of material distributed throughout it and binding the fibres which are not potentially adhesive.

2,456,923

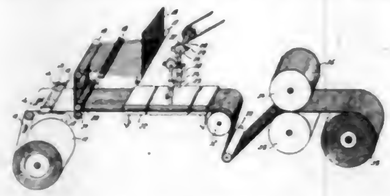
METHOD OF MAKING FABRICS

Edward J. Cogovan, Amsterdam, and Lewis R. Jones, Broadalbin, N. Y., assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York

Application April 12, 1946, Serial No. 661,530

10 Claims. (Cl. 154—90)

1. A method of making a fabric, which comprises applying a thin film of adhesive to the surface of a backing sheet, laying a plurality of heavy yarns side by side and in lateral contact on the coated surface, and, while supporting the sheet, intermittently applying pressure simultaneously to all the yarns over substantial lengths thereof to increase the widths of their areas in



contact with the coated surface of the sheet and with one another.

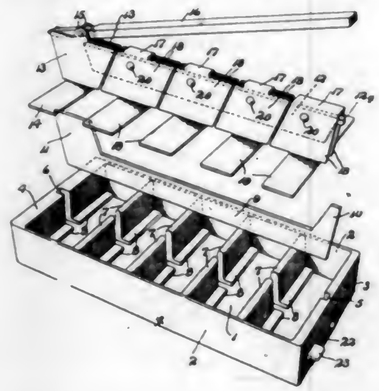
2,456,924

ICE CUBE TRAY

Hugh Collister, Grand Rapids, Mich.

Application July 23, 1945, Serial No. 606,616

6 Claims. (Cl. 62—108.5)



5. An ice tray having a bottom, sides and ends, transverse partitions extending between said sides dividing said tray into compartments, a bar extending longitudinally of said tray and across said partitions and having a fulcrum near one of said ends, means for forcibly lifting the other end of the bar about said fulcrum, a lifting device in each compartment lying adjacent said bottom, and means for connecting said lifting devices to said bar each having a limited vertical movement relative to the bar whereby upon raising the bar about said fulcrum the lifting devices will be individually and successively raised.

2,456,925

THREAD DRYING APPARATUS

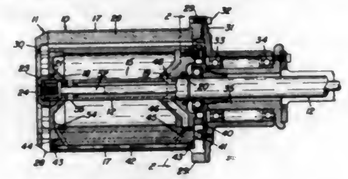
Lorin A. Corey, Cleveland Heights, and Thomas S. Mayner, Willoughby Township, Lake County, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application November 27, 1946, Serial No. 712,476

6 Claims. (Cl. 34—153)

1. An apparatus for drying thread or the like comprising a reel embodying two interdigitating sets of bar members forming a generally circular periphery over which the thread or the like is adapted to pass, means for actuating the bar members to advance the thread in a helical path, one of said sets of bar members being hollow and

serving as heating fluid conductors for the flow of a heating fluid therethrough, and a heating



fluid inlet and outlet means to said heating fluid bar member conductors.

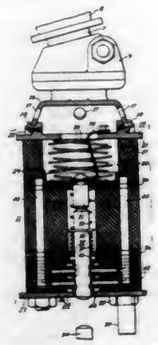
2,456,926

CIRCUIT INTERRUPTER

James M. Cumming, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 10, 1944, Serial No. 548,815

18 Claims. (Cl. 200—150)



1. In a circuit interrupter, a pressure-generating contact, an intermediate contact, a movable contact, a first biasing means biasing the intermediate contact to its open circuit position, and a second biasing means associated with the intermediate contact and acting following a predetermined opening travel of the intermediate contact in opposition to the first biasing means to obtain a hesitating opening travel of the intermediate contact.

2,456,927

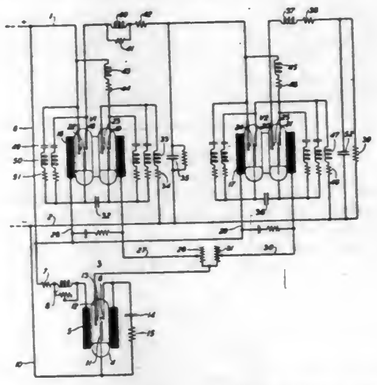
DIRECT-CURRENT VOLTAGE MULTIPLIER

Austen M. Curtis, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 2, 1945, Serial No. 591,487

4 Claims. (Cl. 171—97)

4. In a voltage multiplier in combination, a source of direct current potential, a load circuit, a plurality of condensers including a storage condenser, a plurality of magnetic switching devices having mercury wetted front and back contacts and a reed armature adapted to vibrate therebetween, means for periodically vibrating the armature of said devices at a predetermined rate, means for limiting the flow of current through said contacts during the initial making and final breaking period thereof, said means comprising inductance in series with said contacts and series resistance and capacity in shunt thereto, said contacts being so connected that when the armatures of two of said devices close their respective front contacts a first one of said condensers will be connected to said source of potential and second and third condensers will be connected in a series circuit including said storage condenser and load circuit in parallel,



and when said armatures reverse their positions and close their respective back contacts, said first condenser will be connected in series with said potential source and in parallel with said second and third condensers.

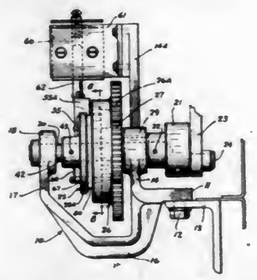
2,456,928

LATCH OPERATED CLUTCH

Franklin E. Curtis, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application December 4, 1944, Serial No. 566,487

9 Claims. (Cl. 192—28)



1. In a quick-pickup clutch, a constantly rotating driving member, an annular element on said driving member having an annular series of internal clutch teeth formed thereon concentric with the rotative axis of said driving member, a driven member supported for rotation on an axis concentric with the rotative axis of said driving member, a pair of clutch dogs pivoted on said driven member on axes parallel to and disposed on opposite sides of the rotative axis of said driven member, said clutch dogs having teeth formed thereon adjacent to corresponding ends thereof for engagement with the teeth on said annular element of said driving member, a control member pivoted on said axis of rotation of said driven member between said clutch dogs and operatively associated with said clutch dogs for imparting clutch engaging and disengaging movement to said clutch dogs upon rocking

movement of said control member relative to said driven member, spring means acting between said control member and said driven member and tending to rock said control member in one direction with relation to said driven member to impart clutch engaging movement to said clutch dogs, and means on said control member projecting in a generally radial direction beyond said driven member and adapted for engagement to impart rocking movement to said control member in the other direction to thereby disengage said clutch dogs from said driving member.

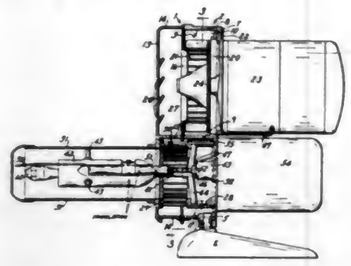
2,456,929
TRAY STRUCTURE
Herbert C. Dee, Kenilworth, Ill., assignor to Woodall Industries, Inc., Detroit, Mich., a corporation of Michigan
Application April 28, 1944, Serial No. 533,202
4 Claims. (Cl. 211—126)



1. A multidecked letter tray comprising a plurality of trays each having a base and four side walls interconnected by corner members, each corner member having a generally triangular cross section and two longitudinal grooves arranged at angles to each other, each groove adjacent one side having a projecting tongue portion adapted to cooperate with a complementary groove in the side wall, each groove of the corner member being closed adjacent its upper end, each side wall having adjacent each end a tongue and groove for complementary cooperation with a groove and tongue of said corner, each base being secured to its associated corner members by fastening means extending through the base from the bottom thereof into longitudinal bore portions in the corner members, and spacing members mounted between the top of the corner of the lower tray and the bottom of the upper tray, said spacing members each being provided with a longitudinal bore for receiving fastening means to retain said spacing member in position.

2,456,930
FAN HOUSING CONSTRUCTION
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Original application January 20, 1945, Serial No. 573,697. Divided and this application July 8, 1946, Serial No. 681,846
1 Claim. (Cl. 230—133)

A fan housing construction, made up of two castings, each having a flat wall with a marginal flange along its top and sides, means for securing said castings together with their marginal flanges abutting to form an enclosure of which the flat walls form the front and back walls and the abutting pairs of marginal flanges the top and side walls of the housing, the front wall having upper and lower openings therethrough respectively forming an inlet and an outlet for the fan, an annular flange integral with the front wall and extending toward the rear wall the same distance as the marginal flange on the front wall and surrounding said outlet opening, a second flange integral with the back wall and extending toward the front wall for the same distance as the marginal flange on the back wall, said second flange forming a scroll chamber for the fan and a plenum chamber below the scroll chamber together with a passage connecting said chambers, a thin sheet metal plate clamped between said castings and having one face abutting the second flange and the other face abutting said annular



flange, said plate having upper and lower openings therethrough one for connecting said inlet opening to the scroll chamber and the other for connecting said plenum chamber to the space within said annular flange and to said outlet opening, and a tubular air director located within the plenum chamber and said space and extending in coaxial relation with the outlet opening from the front wall to the back wall with its ends engaged one with the front wall and one with the back wall.

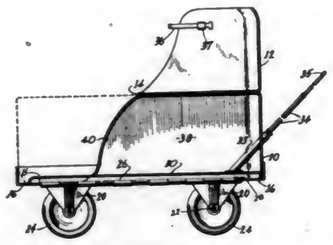
2,456,931
ANODIZING MAGNESIUM ALLOYS
Herbert K. De Long, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application December 26, 1946, Serial No. 718,590
3 Claims. (Cl. 204—56)

1. In a method of producing an anodic coating upon an article of a magnesium-base alloy wherein the article is subjected to electrolysis at a current density between 1 and 100 amperes per square foot and a potential not exceeding about 10 volts in a solution consisting of water, an alkali metal hydroxide in a concentration of at least 30 grams per liter of solution, and a water-soluble aliphatic hydroxyl compound selected from the group consisting of methanol, ethanol, ethylene glycol, propiyene glycol, glycerol, mannitol, diethylene glycol in a concentration between 50 and 500 milliliters per liter of solution, said solution being maintained at a temperature between 60° and 100° C., the steps which consist in soaking the article in the solution both before and after the electrolysis for a period of about 2 to 10 minutes, the article remaining immersed in the solution from the beginning to the end of the method.

2,456,932
FOLDING INFANT-CARRYING VEHICLE
Joseph B. Dostal, Kansas City, Mo.
Application November 23, 1945, Serial No. 630,278
1 Claim. (Cl. 280—37)

A foldable infant-carrying vehicle comprising, an oblong body member having collapsible wheel structures adapted to be retracted into inoperative position within said body member, one end

of said body member comprising a swinging seat portion movable into operative position on top of the remaining portion of the body member, and a swinging panel forming a partition between said

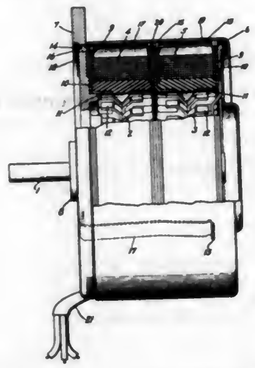


seat portion and remaining body portion and serving as a closure for the space within said remaining portion of said body member when said seat portion is in raised operative position.

2,456,933
BRAZING ALLOY
Wasil W. Dyrkacz, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application November 25, 1943, Serial No. 511,710
1 Claim. (Cl. 75—173)

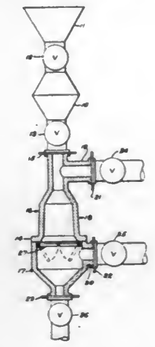
A brazing alloy for use in brazing copper to fernico alloys, said brazing alloy consisting of 86% silver, 13% copper and 1% phosphorus.

2,456,934
CASING AND FASTENING MEANS THEREFOR
Karl M. Feiertag, Lagrange, Ind., assignor to General Electric Company, a corporation of New York
Application August 28, 1947, Serial No. 771,019
6 Claims. (Cl. 172—36)



1. In combination, a casing for a device with a longitudinal groove formed in the outer periphery thereof, said casing having an opening formed in a wall thereof communicating with said groove, a cover for said casing having an opening formed therein in alignment with said groove, and a fastening member for securing said cover to said casing, said member being adapted to be inserted in said groove through said cover opening and having a lip formed at one end and a reverse lip formed at the other end thereof, said member being bowed in its longitudinal dimension whereby on insertion in said groove said reverse lip is forced into said casing opening and said first named lip maintains said cover securely in place.

2,456,935
REFINING OF VOLATILIZABLE METALS
Harmon F. Fisher, Sunnyvale, Calif., assignor to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
Application November 5, 1946, Serial No. 707,819
9 Claims. (Cl. 75—66)

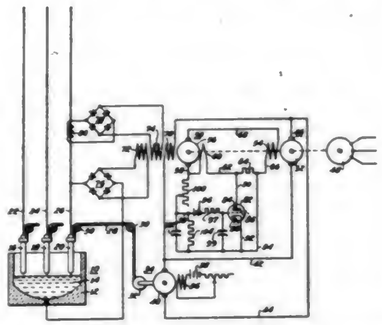


1. In the method of refining a mixture of a volatilizable metal and less volatile solid impurity, wherein the mixture is heated to a temperature sufficient to vaporize the metal but insufficient to vaporize the impurity, and the metal vapor is separated from the unvaporized impurity, the improvement which comprises: supplying the heat of vaporization of the metal directly to a bed of agglomerates of said mixture by means of a preheated inert gas, by passing a stream of the hot preheated gas through said bed of the mixture at a temperature and at a rate such that the metal exerts a substantial vapor pressure, thereby vaporizing the metal from said mixture into said stream of hot inert gas at a substantial rate by virtue of the heat transferred from the hot preheated gas to the bed of the mixture; and separating the metal from the hot inert gas stream.

2,456,936
REGULATOR SYSTEM
Harold G. Frostick, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 16, 1947, Serial No. 741,726
6 Claims. (Cl. 314—75)

1. In a furnace-regulator system, a movable electrode, a regulator for governing the operation of said electrode and comprising an electrode motor, a main generator for supplying energy thereto in either of two polarities for operating the motor in either of two directions, a field winding having a resistor in circuit relation for the main generator, an exciter generator for controlling the energization of the main generator field winding, the exciter generator having a plurality of control field windings energized in accordance with the electrical conditions of the electrode circuit, the exciter generator having a polarity dependent upon the energization of the control field windings, and an electric discharge valve disposed to be rendered

conducting to shunt the resistor in circuit with the field winding of the main generator under



predetermined polarity and operating conditions of the exciter generator.

2,456,937

STABILIZED FAT COMPOSITIONS

Paul Gyorgy, Cleveland, and Martin B. Williamson and Eric T. Stiller, Chagrin Falls, Ohio, assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 29, 1944, Serial No. 524,494
15 Claims. (Cl. 99—163)

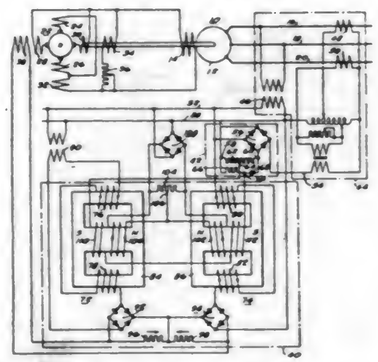
15. An edible composition of matter comprising an edible substance containing a significant percentage of free fat and an antioxidant consisting substantially only of at least about 1% by weight of water and an organic sulfur compound selected from the group consisting of an organic sulfhydryl and a sulfur compound containing an unsubstituted amino group, said compound being capable of enolizing in the environment of the composition to furnish a sulfhydryl group.

2,456,938

REGULATING SYSTEM

Edwin L. Harder, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 7, 1946, Serial No. 714,823
3 Claims. (Cl. 322—28)



1. In a regulating system for maintaining a quantity of an alternating-current system substantially constant, in combination, an amplifying network disposed to be operated in accordance with variations of the quantity from a predetermined value, the network comprising a pair of saturable core amplifiers having alternating-current windings thereon connected to be supplied from a source of alternating current, a rectifier for each of the amplifiers connected to be supplied through the alternating-current windings of the associated saturable core amplifier, means for applying a fixed bias to each of the saturable core amplifiers to effect the operation thereof on the high amplification part of its characteristic curve, a direct-current control winding disposed on each of the saturable core amplifiers, means for providing a direct-current measure of the alternating-current quantity, a resistance bridge circuit including a non-linear resistance element connected to said direct-current measuring means for sensing the direction and magnitude of departure of the direct-current measure of the alternating-current quantity from a predetermined value and to provide a directional direct-current output therefrom dependent upon said direction and magnitude of departure, the direct-current control windings of the reactors being connected to be energized in accordance with the directional output of the bridge circuit, the direct-current control winding of each of the saturable core amplifiers being disposed thereon to cooperate with the associated fixed bias thereof to effect opposite changes in the saturation of the core amplifiers and thereby effect opposite changes in the output from the rectifiers associated therewith, and means connected in circuit relation with the rectifiers disposed to be energized in response to the output therefrom for regulating the quantity.

2,456,939

WHEELED CONCRETE BURIAL VAULT

Wilbert W. Haase, Forest Park, Ill., assignor to Wilbert Manufacturers Association, Forest Park, Ill., a corporation of Illinois

Application September 15, 1945, Serial No. 616,626
4 Claims. (Cl. 280—48)



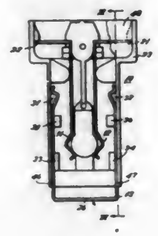
2. A vehicle of the character described, comprising, in combination, a concrete burial vault comprising a unitary concrete vault body including side walls, a front wall, a rear wall and a bottom wall having transversely extending bearing openings formed integrally in the concrete thereof, said transversely extending bearing openings extending inwardly in said bottom wall at substantially right angles to the said side walls of said vault body, the said bottom wall of said vault body having an additional and longitudinally extending bearing opening formed integrally therein and said additional and longitudinally extending bearing opening extending rearwardly in the said bottom wall of said vault body from the said front wall thereof along a line approximately midway between and substantially parallel to the side walls of said vault body, said additional and longitudinally extending bearing opening in the said bottom wall of said body opening at its front end upon the front surface of the front wall of said vault body, each of said transversely extending bearing openings having a wheel-bearing shaft removably journaled therein, said additional and longitudinally extending bearing opening having a supporting shaft removably journaled therein, said burial vault body having a pony wheel steering device mounted on said supporting shaft, said steering device including a plate member having a front end portion attached to said supporting shaft and projecting forwardly of the front wall of said vault body and having a pair of pony steering wheels swivelly mounted thereon, and said plate member including a portion projecting under the bottom wall of the said burial vault body.

2,456,940

LAMP HOLDER FOR FLUORESCENT LAMPS

Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Application February 9, 1945, Serial No. 576,952
9 Claims. (Cl. 173—328)



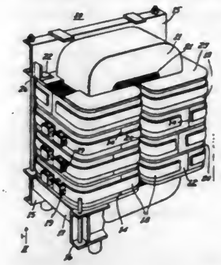
9. A lamp holder for use with tubular discharge lamps comprising, a shell-type housing having a slot in the face and one end thereof to receive the contact members of a lamp, said housing having a pair of transverse slots in one end thereof on opposite sides of the slot entrance, said housing also having a pair of oppositely disposed internal projections on the opposite side walls thereof intermediate the ends thereof, a pair of contact springs mounted within the housing in cooperative relation with the slot, a U-shaped locking member mounted on the housing for movement in and out of the housing with its leg portions extending into the housing through said transverse slots in sliding engagement with the internal side walls of the housing and its connecting portion disposed across the entrance portion of the slot, said leg portions of the locking member and the internal side walls of the housing being so shaped as to cause said locking member to swing back away from the slotted face of the housing when partially withdrawn from the housing into an unlocking position, thereby to reduce the amount of longitudinal movement of said member to a minimum to give sufficient clearance of the entrance portion of the slot for insertion of a lamp, said leg portions having hook shaped ends extending beyond the internal projections and disposed to engage said projections to limit the outward longitudinal movement of the locking member.

2,456,941

TRANSFORMER STRUCTURE

John K. Hodnette, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 29, 1944, Serial No. 520,221
1 Claim. (Cl. 175—356)



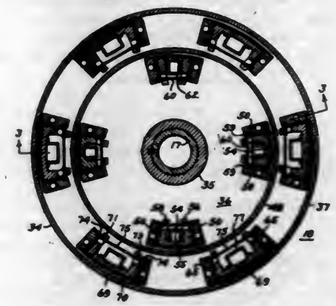
In a transformer structure, in combination, a plurality of supports capable of carrying the weight of the transformer disposed in spaced relation to provide a base, a wound core having a plurality of turns of electrical strip steel bonded to one another, the wound core being cut into a plurality of core sections, a preformed coil, a plurality of core sections fitted through the preformed coil and disposed between the supports, the turns of the core sections being on edge thus giving them strength when employed as beams, a plurality of other core sections fitted around the coil and meeting within the coil thus not bridging the supports, the core sections fitted around the coil cooperating to completely fill the window of the coil, the sections fitted through the preformed coil being disposed in close proximity to one another without an in-between support thereby to reduce losses from stray currents and to reduce the mean turn length of the turns of the preformed coils, the weight of the core and coils being carried by the on-edge sections bridging the space between the supports, and means for retaining the core sections and coils in position on the base.

2,456,942

POWER TRANSMISSION FOR HELICOPTER ROTORS

John A. Holbrook, Worcester, Mass., assignor to Worcester Polytechnic Institute, Worcester, Mass., a corporation of Massachusetts

Application January 26, 1944, Serial No. 519,698
7 Claims. (Cl. 170—135.5)



1. In combination, a helicopter lifting rotor, a rotatable driving element including a substan-

tially cylindrical drum, a rotatable driven element coaxial with the driving element and also including a substantially cylindrical drum, means connecting the driven element to the lifting rotor to revolve the same, a set of primary friction shoes revoluble with the driving element and movable outwardly by centrifugal force into engagement with the inner surface of the drum of the driven member, spring means restraining outward movement of the primary shoes to establish a primary engaging speed, a set of secondary friction shoes revoluble with the driven element and movable outwardly by centrifugal force into engagement with the inner surface of the drum of the driving member, and spring means restraining outward movement of the secondary shoes to establish a secondary engaging speed appreciably less than the said primary engaging speed.

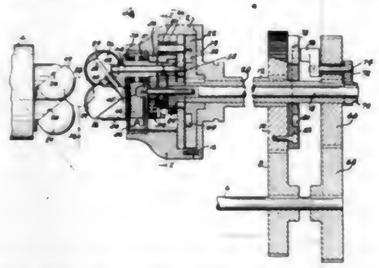
2,456,943
PRINTING DEVICE
Carl J. Hueber, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application March 16, 1945, Serial No. 583,050
2 Claims. (Cl. 164—111)



1. A device to be marked by punching a hole in a selected position including a carrier having a plurality of openings formed therein adjacent an edge thereof, retaining means along said edge of the carrier and including a portion disposed to at least in part overlie the part of the carrier adjacent to such openings and arranged in spaced relation with such part of said carrier whereby a card or the like may be disposed beneath said portion to overlie said openings, said portion having guide elements formed therein that are respectively aligned with said openings and which are respectively open at one side so as to be effective to guide a perforating implement such as a stylus or a lead pencil through the card and into the opening aligned with the respective guide element to thereby produce a perforation in the card.

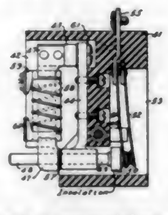
2,456,944
BALL WINDING MACHINE
Hiram N. Huse, Providence, R. I.
Application October 25, 1947, Serial No. 782,069
9 Claims. (Cl. 242—3)

1. In a ball winding machine, the combination of opposed rotatable winding heads, ball-driving rollers carried by said heads, means for normally rotating said rollers on their individual axes in a common direction, supports for said rollers carried by said heads, means for intermittently rotating said supports first in one direction and then in the opposite direction in parallel relation on their individual axes, and means for intermittently deviating the normal rotation of the ball-driving rollers to cause the rollers to rotate in-



tegrally with the roller supports during rotation of the latter in either direction.

2,456,945
RELAY
Ferdinand C. Iglehart, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1944, Serial No. 535,835
7 Claims. (Cl. 200—116)

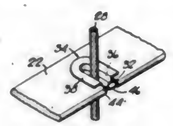


1. A thermal relay comprising a support, contact means mounted on said support, a plunger member movably arranged in said support for controlling said contact means and biased for motion in a given axial direction and having radially extending stop means, two bimetal strips arranged substantially in parallel to each other and straddling said member for engaging said means when cold in order to hold said member against its bias, said strips being mounted for moving in opposite directions radially away from said member when heated, and current responsive heating means mounted on said support separate from said strips and disposed between said strips for heating both strips substantially equally for causing them to release said member in response to an overload current, and an adjusting device disposed for varying the heat-responsive radial travel of said strips relative to said member in order to calibrate the relay for a given current rating and having a part displaceably mounted on said support so that the position of said part is indicative of said current rating said device being associated with both said strips so that said radial travel of both said strips is changed simultaneously by a positional change of said part.

2,456,946
VENETIAN BLIND
Frederick D. Irwin, Warsaw, Ind.
Application May 25, 1946, Serial No. 672,276
4 Claims. (Cl. 160—173)

1. In a Venetian blind, a slat having a transversely elongated cord-receiving opening therein, said openings being of substantially uniform width

and open at one end, a member fitting in and lining said opening and terminating spaced from said open end, said member cooperating with the

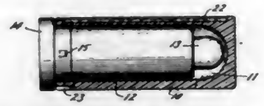


walls of said opening to define a socket, and a retainer spanning said open end and including a portion fitting in said socket.

2,456,947
CORROSION RESISTANT COATING FOR METAL SURFACES
George W. Jernstedt, Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 21, 1944, Serial No. 569,274
11 Claims. (Cl. 148—6.15)

3. A stable aqueous solution for activating the surface of a metal selected from the group consisting of ferrous, zinc, cadmium metals and alloys in which they form the predominant constituent, for subsequent reaction with phosphate coating solutions consisting essentially of, in combination, at least 0.01% by weight of disodium phosphate combined with at least one water-soluble compound of a metal selected from the group of metals consisting of titanium, zirconium, tin and arsenic, at least 0.01% of a soap of a fatty acid and an amine and the balance being water.

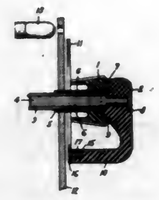
2,456,948
LIPSTICK CASE
Harriette K. Kaye, Chicago, Ill.
Application May 16, 1947, Serial No. 748,543
3 Claims. (Cl. 132—79)



1. A lipstick container comprising a case having a longitudinal pocket of generally cylindrical shape to receive a lipstick holder and having its external cross section shaped to provide side faces, at least one of which is provided with a recess on one face thereof, a mirror fitting snugly within said recess with the lips of the recess extending above the face of the mirror and the case forming a backing for the mirror with the portion of the case between the longitudinal pocket and the recess being solid and arch-shaped in cross-section to provide a sturdy backing for the mirror.

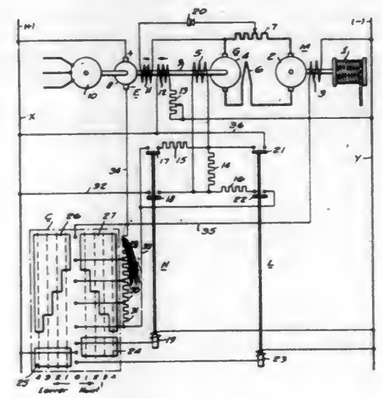
2,456,949
CONTROL DEVICE INDICATOR
Donald B. Keim, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application September 30, 1947, Serial No. 776,884
2 Claims. (Cl. 116—124.2)

1. A control knob arrangement for a pair of coaxial shafts comprising a first knob adapted to engage the outer of said shafts, said first knob having a hole extending longitudinally thereof, the inner of said shafts extending through said hole, a second knob being attached to said inner shaft, said second knob having a depending portion extending substantially parallel with said second shaft and spaced from said second shaft



by a distance greater than the radius of said first knob, and an annular dial attached to said depending portion, said dial having a central aperture having a diameter greater than the diameter of said first knob, and said dial having indicia thereon for indicating the position of said second knob.

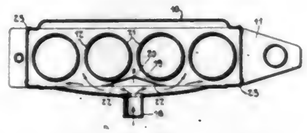
2,456,950
ELECTRIC HOIST CONTROL SYSTEM
George E. King, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 27, 1947, Serial No. 794,165
6 Claims. (Cl. 318—154)



6. A motor control system, comprising a direct-current hoist motor having an armature and field means, a main generator having an armature circuit connected with said motor armature to provide variable voltage therefor and having two mutually differential field windings for jointly controlling said voltage, an exciter having an armature connected to one of said generator field windings to provide excitation therefor and having a control field winding connected to said armature circuit for varying said excitation in dependence upon the current flowing in said armature circuit, current supply means of substantially constant voltage connected to said other generator field winding, said exciter armature and said current supply means being connected to said motor field

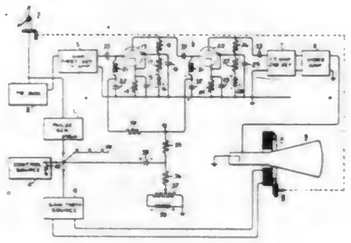
means in cumulative relation to each other relative to the resultant excitation of said motor field means.

2,456,951
COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Paul Klotsch, Cincinnati, Ohio, assignor to Crosley Motors, Inc., Cincinnati, Ohio, a corporation of Ohio
Application May 1, 1946, Serial No. 666,455
7 Claims. (Cl. 123—173)



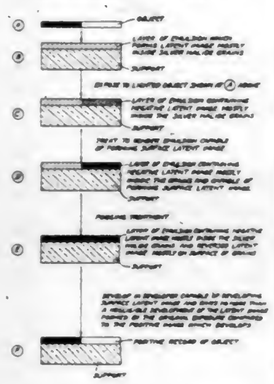
6. A sheet metal water jacket which comprises a shell surrounding cylinders of an engine, said shell having a plurality of longitudinal ribs constructed and arranged longitudinally to strengthen the water jacket and to permit expansion of the water jacket, a water inlet pipe associated with one of said ribs, and a baffle in spaced relationship with the water inlet, said baffle having an orifice adapted to channel part of the cooling water about the cylinders in front of the baffle, and said baffle having a pair of wings adapted to channel the rest of the cooling water into the rib associated with the water inlet to flow about the rest of the cylinders of the engine.

2,456,952
SENSITIVITY TIME CONTROL
Edward C. Kluender, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 3, 1946, Serial No. 666,897
3 Claims. (Cl. 179—171)



2. In combination, an electron discharge device having cathode, anode, and control electrodes, a pulse generating source, two capacitors in series connection across said source, means connecting the cathode-control electrode space path of said device across one of said capacitors so that said control electrode becomes positive with respect to said cathode when a positive pulse is applied from said source, means for applying a negative potential to said control electrode at the termination of said pulse, thus causing said control electrode to have a negative potential relative to said cathode, and means for discharging said capacitors to remove said negative potential at a predetermined rate.

2,456,953
PHOTOGRAPHIC REVERSAL PROCESSES
Edward Bowes Knott and Guy William Willis Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 1, 1947, Serial No. 765,632
In Great Britain February 9, 1942
15 Claims. (Cl. 95—5)



1. The method of producing a reversed photographic image, which comprises exposing to a lighted object or image, a layer of a light-sensitive silver halide emulsion, a test layer of which coated on a transparent support and the layer exposed to a light intensity scale for a fixed time between $^1/_{100}$ and 1 second, and development for 3 minutes at 20° C. in the following developer (IIa):

Hydroquinone	grams	15
N-methyl-p-aminophenol sulphate	do	15
Sodium sulphite, anhydrous	do	50
Potassium bromide	do	10
Sodium hydroxide	do	25
Sodium thiosulphate, crystals	do	20
Water to	ccs	1000

gives a transmitted density at any point along the $\log_{10}E$ axis, over a density range of 3.0 starting from the threshold of the characteristic curve beginning at a density of 0.1 above fog, at least 5 times the transmitted density obtained when an identical test layer of the emulsion is developed for 4 minutes at 20° C. in the following developer (I):

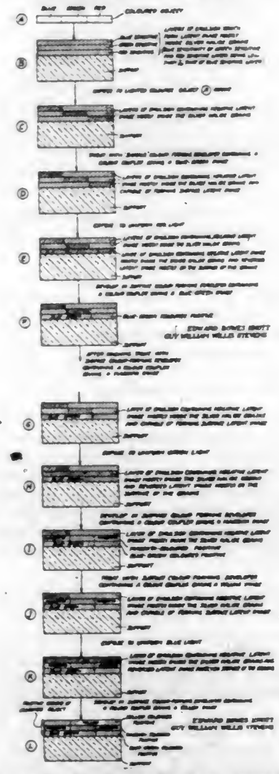
p-Hydroxyphenylglycine	grams	10
Sodium carbonate, crystals	do	100
Water to	ccs	1000

the measurements of density being made at the same points on the $\log_{10}E$ axis, treating the exposed emulsion layer to render it capable of forming latent image developable by the following developer (III):

Hydroquinone	grams	12
N-methyl-p-aminophenol sulphate	do	3
Sodium sulphite, crystals	do	90
Potassium bromide	do	4
Sodium carbonate, crystals	do	150
Water to	ccs	1000

uniformly fogging the emulsion layer to produce latent image some of which is developable by the aforesaid developer III, and then developing the emulsion layer in a developer which develops the latent image which is developable by said developer (III) and gives no more than a negligible development of the negative latent image formed by the original exposure compared with the positive image which is developed.

2,456,954
PHOTOGRAPHIC REVERSAL PROCESSES
Edward Bowes Knott and Guy William Willis Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 1, 1947, Serial No. 765,633
8 Claims. (Cl. 95—5)



1. The method of producing reversed photographic images comprising exposing to a lighted object or image a photographic material comprising inseparably combined and extending over the same area on a single support a plurality of photographic silver halide emulsions a test layer of any one of which emulsions coated on a transparent glass support upon exposure to a light intensity scale for a fixed time between 1/100th and 1 second and development for 3 minutes at 20° C. in the following developer (IIa):

Hydroquinone	grams	15
N-methyl-p-aminophenol sulphate	do	15
Sodium sulphite, anhydrous	do	50
Potassium bromide	do	10
Sodium hydroxide	do	25
Sodium thiosulphate, crystals	do	20
Water to	ccs	1000

gives a transmitted density at any point along the $\log_{10}E$ axis, over a range of 3.0 starting from the threshold of the characteristic curve beginning at a density of 0.1 above fog, at least 5 times the transmitted density obtained when an identical test layer of the emulsion is developed for 4 minutes at 20° C. in the following developer (I):

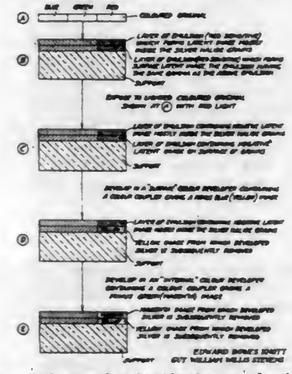
p-Hydroxyphenylglycine	grams	10
Sodium carbonate, crystals	do	100
Water to	ccs	1000

the measurements of density being made at the same points on the $\log_{10}E$ axis, then without developing up the latent images so formed in said emulsions to visible images treating an exposed emulsion to render it capable of forming latent image developable by the following developer (III):

Hydroquinone	grams	12
N-methyl-p-aminophenol sulphate	do	3
Sodium sulphite, crystals	do	90
Potassium bromide	do	4
Sodium carbonate, crystals	do	150
Water to	ccs	1000

uniformly exposing to light the so-treated emulsion to produce latent image some of which is developable by the aforesaid developer (III), developing the uniformly fogged emulsion in a developer which develops the latent image which is developable by developer (III) and gives no more than a negligible development of the negative latent image formed by the original exposure compared with the positive image which is developed, then uniformly exposing to light another of said exposed emulsions which has also been treated to render it capable of forming latent image developable by the aforesaid developer III to produce latent image some of which is developable by the aforesaid developer (III), and developing the second uniformly fogged emulsion in a developer which develops the latent image which is developable by developer (III) and gives no more than a negligible development of the negative latent image formed by the original exposure compared with the positive image which is developed in said second emulsion.

2,456,955
PHOTOGRAPHIC PROCESSES AND LIGHT-SENSITIVE ELEMENTS THEREFOR
Edward Bowes Knott and Guy William Willis Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 1, 1947, Serial No. 765,634
In Great Britain June 2, 1944
12 Claims. (Cl. 95—5)



1. The method of selectively producing photographic images in a photographic material containing, inseparably combined and extending over the same area on a single support, two photographic emulsions having the same gamma, one

of said emulsions being a light-sensitive silver salt photographic emulsion (I) a test layer of which coated on a transparent glass support upon exposure to a light intensity scale for a fixed time between 1/100 and 1 second and development for 3 minutes at 20° C. in the following developer (IIa):

Hydroquinone	grams	15
N-methyl-p-aminophenol sulphate	do	15
Sodium sulphite, anhydrous	do	10
Potassium bromide	do	10
Sodium hydroxide	do	25
Sodium thiosulphate, crystals	do	20
Water to	ccs	1000

gives a transmitted density at any point along the $\log_{10}E$ axis, over a range of 1.0 starting from the threshold of the characteristic curve beginning at a density of 0.1 above fog, at least 5 times the transmitted density obtained when an identical test layer of the emulsion is developed for 4 minutes at 20° C. in the following developer (I):

p-Hydroxyphenylglycine	grams	10
Sodium carbonate, crystals	do	100
Water to	ccs	1000

the measurements of density being made at the same points on the $\log_{10}E$ axis, and the other of said emulsions being a light-sensitive silver salt photographic emulsion (II) a test layer of which coated on a transparent glass support upon exposure to a light intensity scale for a fixed time between 1/100 and 1 second and development for 4 minutes at 20° C. in the following developer (IIb):

Hydroquinone	grams	12
N-methyl-p-aminophenol sulphate	do	3
Sodium sulphite, crystals	do	90
Potassium bromide	do	4
Sodium carbonate, crystals	do	150
Sodium thiosulphate, crystals	do	20
Water to	ccs	1000

gives a transmitted density at any point along the $\log_{10}E$ axis of the curve between the range of 0 to 2.0 which does not exceed the transmitted density obtained when an identical test layer of the emulsion (II) is developed for 4 minutes at 20° C. in the following developer (III):

Hydroquinone	grams	12
N-methyl-p-aminophenol sulphate	do	3
Sodium sulphite, crystals	do	90
Potassium bromide	do	4
Sodium carbonate	do	150
Water to	ccs	1000

the measurements of density being made at the same points on the $\log_{10}E$ axis of the curve, comprising simultaneously exposing the aforesaid emulsions to a lighted object or image, then treating the whole material with a developer which develops substantially only the latent image which is developable by developer (III) and then developing the whole material in a developer which develops the latent image which is developable by developer (IIa).

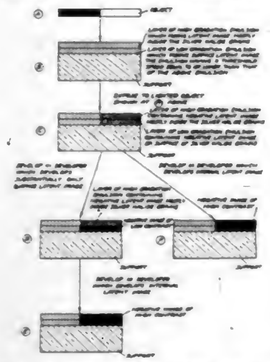
2,456,956

PHOTOGRAPHIC PROCESSES AND LIGHT-SENSITIVE ELEMENTS THEREFOR

Edward Bowes Knott and Guy William Willis Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 1, 1947, Serial No. 765,636
In Great Britain February 9, 1942
11 Claims. (Cl. 95—2)

1. A method of selectively producing photographic images in a photographic element containing, inseparably combined and extending over the same area on a single support, a light-sensitive silver salt photographic emulsion (I) a test layer of which coated on a transparent support



and the layer exposed to a light intensity scale for a fixed time between 1/100 and 1 second and development for 3 minutes at 20° C. in the following developer (IIa):

Hydroquinone	grams	15
N-methyl-p-aminophenol sulphate	do	15
Sodium sulphite, anhydrous	do	50
Potassium bromide	do	10
Sodium hydroxide	do	25
Sodium thiosulphate, crystals	do	20
Water to	ccs	1000

gives a transmitted density at any point along the $\log_{10}E$ axis over a density range of 3.0 starting from the threshold of the characteristic curve beginning at a density of 0.1 above fog, at least 5 times the transmitted density obtained when an identical test layer of the emulsion is developed for 4 minutes at 20° C. in the following developer (I):

p-hydroxyphenylglycine	grams	10
Sodium carbonate, crystals	do	100
Water to	ccs	1000

the measurements of density being made at the same points on the $\log_{10}E$ axis, and another light sensitive silver salt photographic emulsion (II) a test layer of which coated on a transparent support and the layer exposed to a light intensity scale for a fixed time between 1/100 and 1 second and development for 4 minutes at 20° C. in the following developer (IIb):

Hydroquinone	grams	12
N-methyl-p-aminophenol sulphate	do	3
Sodium sulphite, crystals	do	90
Potassium bromide	do	4
Sodium carbonate, crystals	do	150
Sodium thiosulphate, crystals	do	20
Water to	ccs	1000

gives a transmitted density between the range of 0 to 2.0 which does not exceed the transmitted density obtained when an identical test layer of the emulsion (II) is developed for 4 minutes at 20° C. in the following developer (III):

Hydroquinone	grams	12
N-methyl-p-aminophenol sulphate	do	3
Sodium sulphite, crystals	do	90
Potassium bromide	do	4
Sodium carbonate, crystals	do	150
Water to	ccs	1000

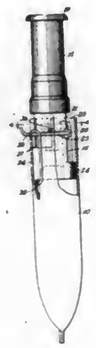
comprising exposing each emulsion to light, then treating the whole element with a developer which develops substantially only the latent image which is developable by developer (III) and then developing the whole element in a developer which develops the latent image which is developable in developer (IIa).

2,456,957

GUN TRAP

Harold B. Koch and John U. Lehn, Lititz, Pa., assignors to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania

Application September 28, 1945, Serial No. 619,122
7 Claims. (Cl. 43—84)



1. In a gun trap, the combination with a socket member, a hollow cylinder longitudinally movable in said socket member, a cartridge holder movable with said hollow cylinder, and a spring-pressed firing pin movable within said hollow cylinder to contact and to fire a cartridge in said holder of a resilient catch adapted to engage said firing pin and normally urged by its resilience into engagement with said firing pin to hold the firing pin in cocked position, means movable independently of the aforesaid elements for positively camming said catch out against its resiliency to release said firing pin when said holder is moved vertically in one direction, and means for restricting the movement of said holder in the opposite direction to prevent release of the catch by such movement.

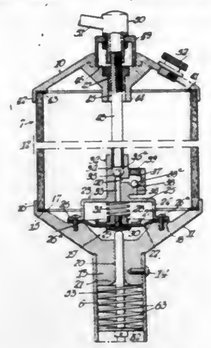
2,456,958

LIQUID DISPENSER

Frederick H. Kretschmer and Chester G. Filter, Dubuque, Iowa, assignors to Midland Laboratories, Dubuque, Iowa, a corporation of Iowa

Application November 18, 1944, Serial No. 564,040
3 Claims. (Cl. 222—179)

1. In a liquid dispenser, a bottom functioning as part of a reservoir and constituting a support for the remainder of the reservoir, said bottom being provided with a radial seat and a cavity inside of and below said seat, the periphery of said seat being spaced inwardly from the periphery of said bottom, a flexible diaphragm having its margin engaged upon said seat, a dome-like member having a marginal flange coextensive with and engaged upon the margin of said diaphragm and coacting therewith in forming a pump chamber, means for removably securing said flange and the margin of said diaphragm in a sealed position on said seat so that the dome-like member is removable and replaceable as a unit, means providing a valved intake side for said pump chamber and which is in communication with said reservoir, means providing a valved discharge side for said chamber arranged coaxially of the reservoir, liquid discharge means leading upwardly from the valved discharge side of said chamber to a point exteriorly of said reservoir, and means operable in said cavity for flexing the diaphragm.

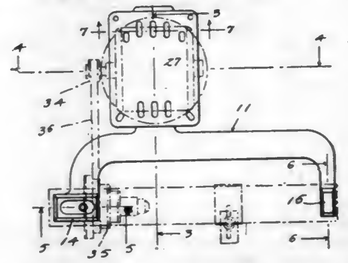


2,456,959

LATHE AND MOTOR BASE FOR WATCHMAKERS' LATHES

Elbert M. La Mont and Bruce M. Fry, Leavenworth, Kans.

Application December 15, 1947, Serial No. 791,792
3 Claims. (Cl. 248—23)



1. A combined watchmakers' lathe and motor mounting comprising a U-shaped base member, said member being formed with a relatively long bight and relatively short legs, rubber foot members carried by the forward ends of said legs, an upstanding lathe bed supporting lug carried by the forward ends of said legs, means engaging at least one lug for securing the lathe bed on said lugs, an arm extending rearwardly from said bight, a rubber foot carried by said arm, a motor supporting plate, and means securing said plate on said arm.

2,456,960

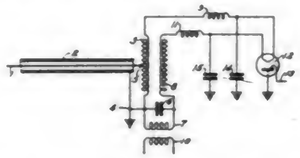
PULSE SHAPING CONTROL SYSTEM

Reuben Lee, Linthicum Heights, and Philip A. Duffy, Jr., Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 27, 1945, Serial No. 607,434
2 Claims. (Cl. 250—27)

2. In combination with a source of substantially rectangular voltage pulses, a transformer winding having one end terminal and an intermediate terminal impressed with said pulses, a second transformer winding having an end connected

to said one end by a channel offering substantially zero impedance to the frequencies embodied in said voltage pulses, a magnetron having its anode grounded and having a cathode with two connections, a pair of capacitors connecting the ends of said cathode to ground, two inductors respectively connected between said pair of connections and



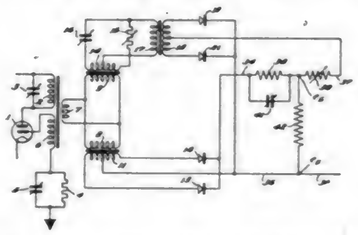
the free ends of said windings, and an interconnection between said one end and ground, the square root of the ratio of the total inductance in henries of the circuit connected to said pair of connections to its effective capacitance in farads lying between the limits of 0 25 and 3.0 times.

2,456,961

SAW-TOOTH WAVE GENERATOR

Reuben Lee, Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 12, 1946, Serial No. 696,574
5 Claims. (Cl. 178—44)



5. In combination a first full-wave rectifier, having input and output terminals, a second full-wave rectifier, having input and output terminals, means for impressing sinusoidal oscillations of substantially the same wave form on said input terminals of both said rectifiers, means for displacing the outputs of said rectifiers in phase, means for combining the outputs of said rectifiers so displaced in phase in such manner that one output is subtracted from the other output and means for so distorting one of said outputs that the combined output has a wave form the negative slope branch of which is substantially linear.

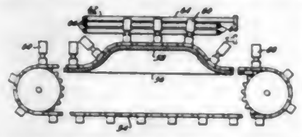
2,456,962

INDUCTION HEATING APPARATUS WITH WORK CONVEYER

Reuben Lee, Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 19, 1947, Serial No. 742,677
1 Claim. (Cl. 219—47)

An induction heating system of a type described comprising, in combination, a table having a raised section with a substantially straight top and sloping portions at each end thereof, a flexible conveyor movable along said table and arranged to ride up a first of said sloped end-portions, along said substantially straight top, and then down the other of said sloped end-portions, and a multi-turn inductor coil arranged near said raised section, each turn of said inductor coil having spaced elongated substantially straight side-conductors, each side-conductor being longer than said substantially straight top-portion and extending beyond said top-portion at both ends thereof, said conveyor having means for receiving



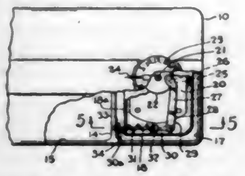
material to be inductively heat-treated, and carrying such material along therewith as it rides on said raised section of said table, with the material moving lengthwise of and between said side-conductors for inductive heat treatment, the material entering said inductor coil as it rides up a first of said sloped end-portions and leaving said inductor coil as it rides down the other of said sloped end-portions.

2,456,963

CIGARETTE OR LIKE DISPENSING CASE

Ward D. Leatherman, Akron, Ohio

Application May 15, 1946, Serial No. 669,966
3 Claims. (Cl. 70—273)



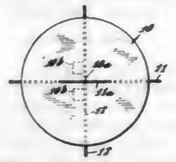
1. A cigarette or light dispenser, comprising relatively shiftable members forming a container adapted to be opened and closed, one of said members having a compartment for containing cigarettes or like articles, a clockwork mounted in one of said members, a cam rotatable by said clockwork, a pivoted lever having a cam-engaging portion on the free end thereof, spring means for yieldingly urging said lever into operative engagement of said portion thereof with said cam, said cam having a deviation operable in a predetermined position of rotation of the cam to pivot said lever against the action of said spring means and the deviation including a stop shoulder engageable by said cam-engaging portion to stop rotation of the cam, a locking device including an element shiftably mounted in said one member and a catch on the other member engageable by the element to lock the members in closed position of said container, said element having a connection to said lever to be urged out of locking engagement with said catch in said predetermined position of rotation of the cam, and indexing means for selectively setting said cam in a position of rotation thereof with said deviation away from said cam-engaging portion of the lever, whereby the cam is rotated for a given period of time during which said locking device is locked and at the end of which period engagement of said cam-engaging portion with said deviation pivots said lever to unlock the locking device and permit opening the container for removal of articles therefrom.

2,456,964

SEPARABLE HAT REST OR THE LIKE

Jacques E. Ledure, New York, N. Y., assignor to Eleanor O. Ledure, New York, N. Y.

Application December 4, 1944, Serial No. 566,573
3 Claims. (Cl. 211—148)



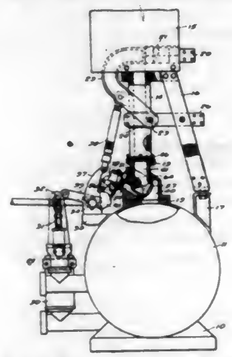
1. In a device of the class described comprising a plurality of intersecting and interlocking standard members, each having a base portion, a table support hinged to the top of one of said standard members, whereby said table support may be hingedly moved to a vertical or horizontal position thereupon, a slot approximately centrally located on said table support through which the upper portion of a second standard interlocking member is projected, a pair of shoulders on said second standard member upon which said table support is caused to rest upon the projection of said second standard member through said slot on the table support aforesaid.

2,456,965

VALVE

Raymond H. Leitzel, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 5, 1944, Serial No. 566,725
5 Claims. (Cl. 200—148)



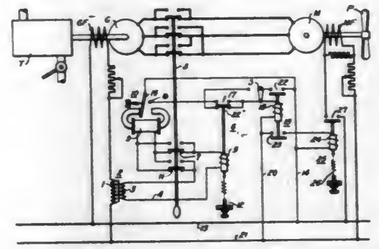
1. In a circuit breaker of the gas blast type having an operating mechanism including a rotary member movable during contact opening and contact closing operations of the circuit breaker, a blast valve assemblage therefor comprising a casing structure having fluid inlet and discharge passages, normally closed valve means operatively mounted in said casing structure for controlling communication from said inlet passage to said discharge passage, a cam member adjustably mounted on said rotary member, a bell crank lever journalled on said casing structure and having one end operatively associated with said valve means, adjusting means associated with said valve means and said bell-crank lever for determining the amount of opening movement of said valve means, a pawl member operatively connected to the other end of said bell crank for engagement by said adjustable cam member, said pawl member being interlocked with said bell crank for actuating said valve means in response to movement of said cam member during a normal opening operation of the circuit breaker, yieldable means permitting movement of said pawl to a non-operative position relative to said bell crank during normal closing operation of the circuit breaker, and auxiliary operating means carried by said adjustable cam member for limited operative engagement with said pawl member prior to return thereof from said non-operative position, whereby repeated operation of said valve means is insured in the event of sudden reopening operation of the circuit breaker from a partially closed position, and means for adjusting said adjustable cam and said auxiliary operating means relative to said rotary member to determine the time the valve will open during a normal opening operation and also during a reopening operation.

2,456,966

MOTOR SYNCHRONIZING SCHEMES

Simon L. Lindbeck, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 13, 1947, Serial No. 734,356
8 Claims. (Cl. 318—148)



1. A starting control for a synchronous motor, in combination, an alternator driven at a selected speed by a suitable prime mover, a source of direct current, a field winding for the alternator connected to said source of direct current, a synchronous motor of a size to constitute the main load for the alternator connected to the alternator, a field winding for the synchronous motor, electromagnetic switching means for connecting the motor field windings to said source of direct current, and means responsive to the frequency and phase position of the alternating-current component in the alternator field winding for controlling the operation of said electromagnetic switching means.

2,456,967

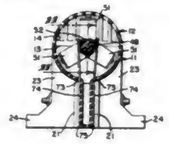
ELECTRIC MOTOR

Carlos B. Livers, North Hollywood, Calif., assignor to Variety Development and Engineering Company, Los Angeles, Calif., a copartnership consisting of Carlos B. Livers and Ralph E. Middleton

Application December 17, 1946, Serial No. 716,853
14 Claims. (Cl. 172—36)

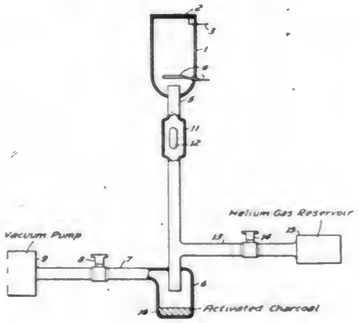
1. In an electric motor, a rotor assembly comprising: a shaft, an armature winding carried by said shaft, a round commutator core of insulating material on said shaft having circumferentially spaced axially extending ribs on its surface and axially extending grooves in its surface between

the ribs, segmental members extending between said ribs secured to said core, and conductors connecting said segmental members with said wind-



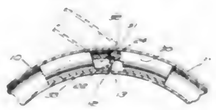
ing, each of said conductors having an end portion disposed in one of said grooves in contact with the associated segmental member.

2,456,968
PROCESS FOR OUTGASSING PHOTOCELLS CONTAINING ANTIMONY
Richard L. Longini, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 18, 1947, Serial No. 792,545
18 Claims. (Cl. 316—24)



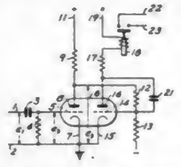
1. The process of outgassing a high vacuum container which comprises exhausting it to a high vacuum, filling the container with an atmosphere of helium, heating the container to a temperature sufficient to outgas it, exhausting any gases evolved from the walls of said container at said temperature by means of an absorption trap, and then removing said helium atmosphere.

2,456,969
BRACELET HINGE
Everett H. Lundsten, Attleboro, Mass., assignor to J. & L. Tool & Findings Co., Attleboro, Mass., a copartnership
Application May 17, 1945, Serial No. 594,292
2 Claims. (Cl. 63—7)



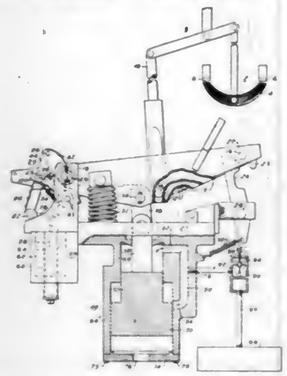
1. In a bracelet, a pair of arcuate sections each having a substantially round tubular end portion in end to end adjacency and having inner and outer walls, a hinge connecting said sections comprising a pair of members, one member held in one section and the other member held in the other section, a tongue fixed on one member at substantially the edge of the inner wall of one arcuate section and extending across the joint between the sections and pivotally connected to the other member at substantially the edge of the outer wall of the other arcuate section whereby the section in which the tongue is fixed is moved outwardly upon initial swinging about the hinge connection to cause its end to clear the end of the other section in which the pivot is located.

2,456,970
CONTROL CIRCUIT
Angus A. Macdonald, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 19, 1945, Serial No. 589,253
6 Claims. (Cl. 250—27)



2. In combination with an input circuit for impressing voltage pulses which are short compared with the time periods separating them, a first pair of principal electrodes and a control electrode associated with them, means for impressing said voltage pulses through a capacitor in series with a resistor on said control electrode, a resistor fed through said principal electrodes from a source of substantially constant voltage, means for impressing fluctuations in voltage between said principal electrodes on a second control electrode, a second pair of principal electrodes associated with said second control electrode, a load circuit connecting a second source of substantially constant voltage to said second pair of principal electrodes and a capacitor connected between said second control electrode and a point on said load circuit.

2,456,971
CIRCUIT BREAKER
John B. MacNeill, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 25, 1944, Serial No. 560,222
7 Claims. (Cl. 200—82)



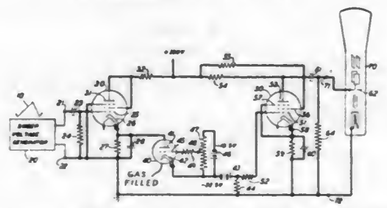
2. A circuit breaker comprising, separable contact means at least one of which is movable into and out of engagement with the other, fluid motor means for at least actuating said movable contact means in a direction to engage the other of said contact means, actuating mechanism connecting said motor means and movable contact for transmitting movement of said motor means to said contact means to close the breaker, said motor means comprising a cylinder and piston one of which is movable and operatively connected with said actuating mechanism, said piston and cylinder having corresponding stepped portions differing in cross section area, means for admitting fluid under pressure to the cylinder portion of small cross section area to initiate circuit closing movement of said movable contact, and means responsive to circuit closing operation of said motor means an amount sufficient to actuate said movable contact means from its open circuit position spaced away from the other of said contact means to a position in proximity to but still spaced from said other contact means for automatically admitting said fluid under pressure to the cylinder portion of larger cross section to thereby increase the closing force transmitted to said contact means during the latter part of contact closing movement, and the last mentioned means including a fluid inlet for said large cylinder portion which is separate and independent of the fluid inlet for the small cylinder portion.

2,456,972
CONTAINER CLOSURE
Henry G. Maeder, Jr., Belmont, and Morgan R. Day, North Scituate, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Application August 24, 1945, Serial No. 612,420
8 Claims. (Cl. 215—40)



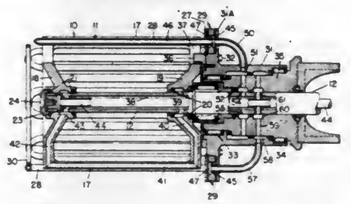
1. A container closure including a closure element and a self-adherent solid, pit-free vulcanized sealing element, the latter being the reaction product of a vulcanizable elastomeric polymer, a vulcanizing agent, and a rubber peptizer in the presence of a plasticizer, the peptizer being in proportion sufficient to have liquefied the polymer at a temperature above 68° F.

2,456,973
TRACE BLANKING CIRCUIT FOR CATHODE-RAY OSCILLOSCOPES
Yu-Yueh A. Mao, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1945, Serial No. 621,579
6 Claims. (Cl. 315—22)



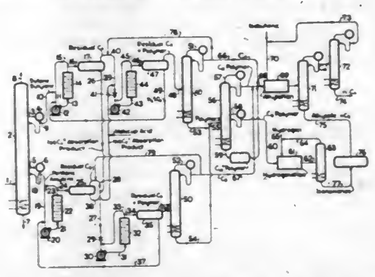
1. In an electrical circuit including a cathode ray oscilloscope provided with a screen on which an electron spot moves in accordance with a repetitive voltage, said spot varying in intensity in accordance with a control voltage, means responsive to the repetitive voltage for varying the control voltage to extinguish the spot during an interval of the repetitive voltage and means for controlling the responsive means to define the interval.

2,456,974
THREAD DRYING APPARATUS
Thomas S. Mayner, Willoughby Township, Lake County, and E. Paul Hurayt, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application November 27, 1946, Serial No. 712,477
8 Claims. (Cl. 34—153)



1. An apparatus for drying thread or the like comprising a reel embodying two interdigitating sets of hollow heating medium conducting thread-bearing members, said thread-bearing members serving as conduits for a heating medium adapted to flow therethrough, and a heating medium supplying and exhausting means for said hollow heating medium conducting thread bearing members.

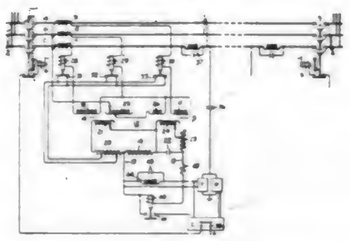
2,456,975
PRODUCTION OF MOTOR FUEL COMPONENTS
Sumner H. McAllister, Lafayette, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 18, 1944, Serial No. 564,114
2 Claims. (Cl. 260—683.15)



1. In a process for producing high yields of hydrocarbons of high power output from hydrocarbon cracking products by fractionating said cracking products to separate a fraction consisting of butanes, isobutylene and normal butylenes and another fraction consisting of pentanes, tertiary amylenes and normal amylenes, wherein isobutylene is selectively extracted from said butane-butylene fraction with aqueous sulfuric acid and tertiary amylene is selectively extracted from the pentane-amylene fraction, isononylenes are produced by separately reacting the isbutylene-containing extract with the residual hydrocarbon

from said tertiary amylene extraction to effect interpolymerization of absorbed isobutylene with n-amylenes and reacting the tertiary amylene-containing extract with residual hydrocarbon from said isobutylene extraction to effect interpolymerization of absorbed tertiary amylene with normal butylene, the hydrocarbon products of said interpolymerizations are separated from the acid present during said interpolymerizations, and the nonylenes produced are hydrogenated, the improvement which comprises feeding the acid separated from the hydrocarbon products of said isobutylene-n-amylenes interpolymerization to said tertiary amylene absorption and feeding the acid separated from the hydrocarbon products of said tertiary amylene-normal butylene interpolymerization to said isobutylene absorption.

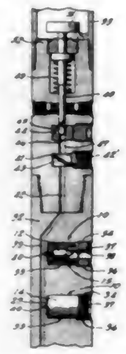
2,456,976
PHASE RESPONSIVE PROTECTIVE RELAYING SYSTEM
Andrew J. McConnell, Albany, N. Y., assignor to General Electric Company, a corporation of New York
Application May 25, 1945, Serial No. 595,722
12 Claims. (Cl. 175—294)



2. In a protective arrangement for a polyphase circuit, means for deriving from said circuit a single phase voltage the magnitude of which depends solely upon the magnitude of the negative phase sequence component of the circuit current, and means responsive to a fault involving all of the conductors of said circuit for rendering said first mentioned means operative to derive a single phase voltage the magnitude of which depends upon the positive phase sequence component of the circuit current.

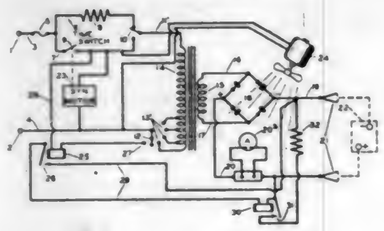
2,456,977
WELL CASING PERFORATING GUN AND CARTRIDGE
Ira J. McCullough, Los Angeles, Calif., assignor to McCullough Tool Company, Los Angeles, Calif., a corporation of Nevada
Application November 1, 1941, Serial No. 417,418
4 Claims. (Cl. 89—1)

1. In a well casing perforating gun of the character described: a gun body having a chamber for a primary firing charge, means to ignite the firing charge, a duct leading away from said firing charge chamber, and a cartridge chamber connected to said duct so as to receive fluid pressure resulting from the burning of said firing charge; a removable wall closing the front end of said cartridge chamber and having a bore therein for passage of a projectile to the exterior; and a cartridge in said cartridge chamber, said cartridge comprising a shell having a wall movable relatively to the remaining walls of the cartridge by externally applied fluid pressure, an opening with a projectile therein aligned with said bore, a powder chamber with a propelling powder charge therein and means acting in response to move-



ment of said movable wall by said fluid pressure to ignite said powder charge.

2,456,978
BATTERY CHARGER
Lewis Abbott Medlar, Oreland, Pa., assignor to Fox Products Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 28, 1948, Serial No. 4,778
9 Claims. (Cl. 320—14)

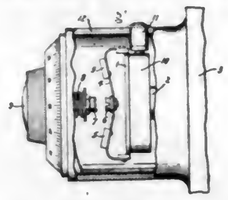


1. A battery charger comprising a transformer having primary and secondary windings, a pair of power leads, a resistor, a time-controlled switch, means connecting said leads to said primary winding to constitute an input circuit and comprising manual means for selectively including either said resistor or time-controlled switch in said input circuit as desired, an electric powered motor for actuating said switch, said motor being connected with said power leads but energized only when said switch is closed, and means for supplying rectified current from the secondary of said transformer to the battery to be charged.

2,456,979
SPEED GOVERNOR
Frank W. Merrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 19, 1945, Serial No. 573,552
4 Claims. (Cl. 200—80)

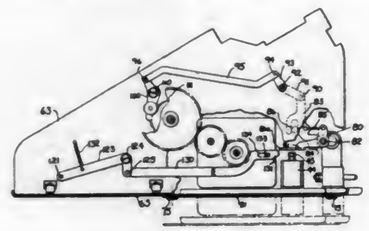
1. An electric motor speed regulator of the centrifugally actuated center contact type comprising a fixed center contact having a tapered contact surface, and axially vibratory rotating contact having at least one slot formed therein, centrifugal means for opening and closing said con-

tacts responsive to the speed of said motor, said contacts co-acting to interrupt the electric circuit through the regulator contacts at least once



for each revolution of said regulator in addition to the opening and closing of said contacts responsive to the said centrifugal means.

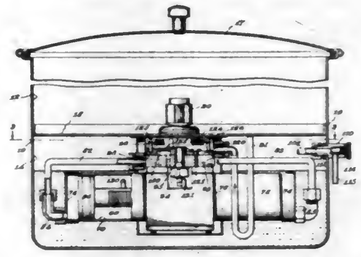
2,456,980
MOTOR AND CLUTCH CONTROL MECHANISM
John L. Moody, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Original application July 30, 1945, Serial No. 607,825. Divided and this application June 10, 1946, Serial No. 675,565
4 Claims. (Cl. 192—.02)



1. In an electrically-driven calculating machine, drive mechanism adapted to be driven by an electric motor, a clutch in said drive mechanism, a control for said clutch, a plurality of machine operation keys, means actuated by depression of any of said keys to operate said clutch control, a motor switch having a control element movable from a normal position to an operated position to render said switch effective, means actuated by said clutch control including a member resiliently urged to move said switch control element from its said normal position to its said operated position, and means actuated to by one of said keys to restrain said member and prevent it from moving said control element to its said operated position until release of said one key, whereby said motor switch is closed only after depression and release of said one key and is closed immediately upon depression of another of said keys.

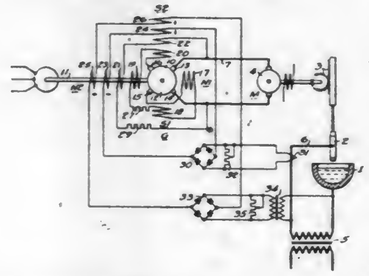
2,456,981
SELF-STIRRING COOKING UTENSIL
Paul E. Monath, Hewlett, N. Y.
Application April 18, 1945, Serial No. 589,013
13 Claims. (Cl. 257—74)

1. In a cooking utensil, the combination with a cooking vessel, of heating and stirring mechanism comprising a steam pressure generating chamber in heat transferring relation to but out of communication with said vessel, a stirring element in said vessel mounted for rotative movement about an axis, and steam operated driving mechanism for said stirring element positioned within said steam generating chamber including



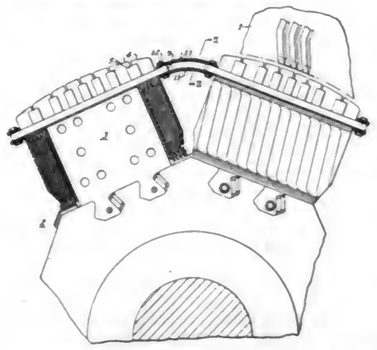
a piston and cylinder, and means to translate the reciprocating movement of said piston into rotary movement and drive said stirring element.

2,456,982
MOTOR CONTROL
Raymond W. Moore, Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 27, 1945, Serial No. 579,920
8 Claims. (Cl. 318—143)



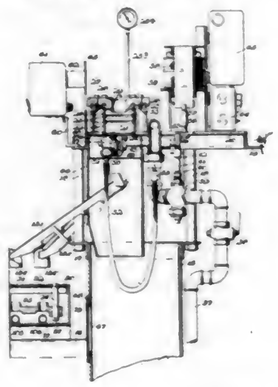
1. A control system for regulating load adjusting means of an electric load circuit, comprising a direct-current adjusting motor; a generator having a field structure with four poles of alternately different polarities and a four-circuit armature having a commutator with two main brushes and two regulator brushes, said main brushes being connected to said motor to energize it by controlled output voltage, two adjacent poles of said structure being provided with main field windings respectively for controlling said voltage, said two other poles being each provided with a feed-back field winding, a stabilizing field winding, a current-responsive field winding and a voltage-responsive field winding, said feed-back field winding being connected with said main field windings across said regulator brushes and having a resistance characteristic approximately coincident with the no-load magnetization characteristic of said other poles, said stabilizing field winding being connected across said main brushes, said current-responsive field winding and said voltage-responsive field winding being differential and balanceable relative to each other; circuit means connected to said current-responsive field winding for exciting it in dependence upon the current of the load-circuit; and circuit means connected to said voltage-responsive field winding for exciting it in dependence upon the voltage of the load-circuit.

2,456,983
DAMPER-WINDING FLEXIBLE CONNECTIONS
William H. Morse, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 7, 1947, Serial No. 778,380
2 Claims. (Cl. 172—120)



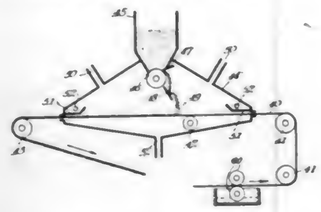
1. A dynamo-electric machine having a salient-pole rotor, damping bars in the pole-face portions of the salient poles, a damper-segment at each end of each salient pole, each damper-segment being secured to the undersides of the extending ends of its damping bars, and separate flexible connectors between the adjacent ends of the several segments at each end of the machine, each separate connector comprising an arched stack of thin conductor-straps having the respective ends of said stack bolted to an end of a damper-segment with one or more radially extending bolts.

2,456,984
APPARATUS FOR QUENCHING METALLIC ARTICLES
Frank H. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application December 8, 1942, Serial No. 468,280
15 Claims. (Cl. 134—57)



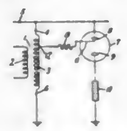
1. Quenching apparatus comprising a quenching chamber having a charging opening and a bottom opening, a support movable to and from a fixed position under said bottom opening wherein it is adapted to support an article immovably in said chamber, means for moving said support to supporting position and for holding the same against relative movement in said position, means activated by an article which is being passed into said charging opening for initiating operation of said moving means, and means for removing the support to a non-supporting position after a predetermined period to release the article.

2,456,985
APPARATUS FOR THE MANUFACTURE OF ABRASIVE WEBS
Nicholas E. Oglesby, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts
Original application March 3, 1933, Serial No. 659,565. Divided and this application August 25, 1943, Serial No. 499,984
20 Claims. (Cl. 91—18)



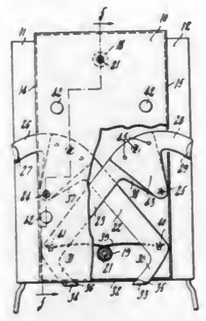
1. Apparatus for the manufacture of granular coated webs comprising means for applying liquid adhesive to a web, means whereby the partial pressure of a solvent in the atmosphere in a chamber may be controlled to prevent drying, grain applying means for applying granular particles to said adhesive coated web, and means for passing said adhesive coated web through said chamber and past said grain applying means whereby the granular material is applied to the web while the adhesive is in condition for receiving said granular material.

2,456,986
PROTECTIVE ARRANGEMENT FOR ELECTRICAL WINDINGS
Konstantin K. Paluev, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application February 12, 1945, Serial No. 577,543
13 Claims. (Cl. 175—294)



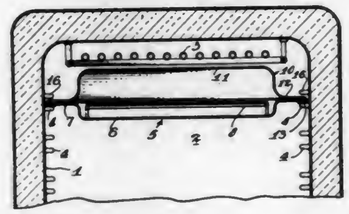
1. An electrical protective system comprising, in combination, an electrical apparatus having an essential winding which is subject to different voltage-stress distributions for different types of voltages impressed across its terminals, a unitary overvoltage-discharge device having a pair of main discharge electrodes and an auxiliary electrode for controlling the discharge characteristics of said main electrodes for various types of voltages, electrical connections for applying to said discharge electrodes voltages to which said apparatus becomes subjected and certain of which it may become desirable to discharge, and an electrical connection between said auxiliary electrode and a point on said winding other than said terminals which is subject to substantial changes in voltage with respect to one of said terminals for varying types of voltages impressed across the terminals of said winding for causing said auxiliary electrode to initiate selective discharge between said main electrodes at lower levels of those terminal voltages which give rise to objectional voltage stresses within said apparatus.

2,456,987
FLATIRON HOLDER BRACKET
Ralph E. Perkins, Ashland, Mass.
Application March 17, 1947, Serial No. 735,123
10 Claims. (Cl. 248—117.1)



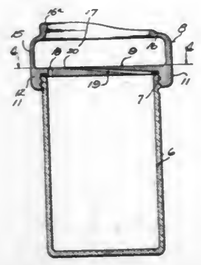
1. A flatiron holder comprising a base adapted to be mounted on a wall structure, and clamping means in articulated connection with said base; said clamping means including side clamps and a bottom clamp interconnected so that downward movement of the bottom clamp from a raised position causes the side clamps to be moved toward one another.

2,456,988
BROILER PAN GUARD
Charles A. Pierson, Maumee, Ohio, assignor to Associated Products, Inc., Toledo, Ohio, a corporation of Ohio
Application December 5, 1945, Serial No. 632,902
7 Claims. (Cl. 99—446)



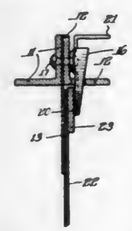
6. The combination with a substantially rectangular broiler pan having opposing laterally projecting side flanges, of a spatter guard for the pan having three side walls, with one side open, adapted to rest on the pan adjacent to its respective side and rear end edges and extending upwardly and inwardly from said edges, said walls forming a top opening over the major portion of the pan for the admission of a broiling heat, said open side permitting an interior view of the pan and guard during broiling and said walls deflecting and directing any side spatter of grease upwardly through said top opening, the base edge portions of opposing side walls of said spatter guard extending outwardly substantially parallel to and resting on the respective side flanges of the pan in interengaged longitudinal sliding engagement therewith.

2,456,989
TUMBLER
Bernard H. Polcyn, Milwaukee, Wis.
Application May 25, 1944, Serial No. 537,259
5 Claims. (Cl. 65—13)



1. A cup-like extension for a drinking receptacle having a bottom for capping the receptacle said bottom being provided with a restricted aperture near one margin through which liquid may be slowly poured from the receptacle, said bottom also being obliquely perforated to form a vent leading from its upper surface near said aperture downwardly and across the bottom to a point in its under surface near its opposite side, and said extension having side walls inturned at their upper margins to retain liquid escaping through the aperture when the receptacle and its extension is tilted at right angles to the normal upright position, and said side walls having portions arcuately extended horizontally.

2,456,990
DISPLAY APPLIANCE
James Thomas Powers, Jr., Chicago Heights, Ill., assignor to Funk Forging Company, Chicago Heights, Ill., a corporation of Illinois
Application February 11, 1948, Serial No. 7,670
6 Claims. (Cl. 24—66)



1. In a display holder, the novel combination of an angle-bar having an aperture through one flange, a cam-member, means rockingly mounting said cam-member on the adjacent face of the other flange of the bar and adapted to project through said aperture, a fixedly mounted backing-sheet depending from said angle-bar, and a clamp-member, said cam-member being adapted to be rocked manually through said aperture and engage said clamp-member to secure a dis-

play-sheet between said clamp-member and said backing-sheet by reason of the action of the cam-surface of said cam-member bearing on a wall of said aperture.

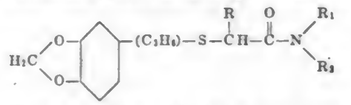
2,456,991

3,4-METHYLENEDIOXYPHENYL-PROPYLENE COMPOUND

Edward A. Prill, Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc., a corporation of New York

No Drawing. Application January 16, 1946, Serial No. 641,631
4 Claims. (Cl. 260—338)

1. A compound represented by the formula:



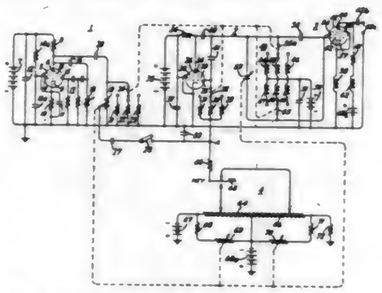
where R is a member of the group consisting of hydrogen, methyl, and ethyl; R_1 and R_2 taken together comprise at least one member of the group consisting of hydrogen, alkyl, alkenyl, cycloalkyl, divalent polymethylene and divalent polymethylene interrupted by ethereal oxygen; not more than one of the R_1 and R_2 groups being hydrogen.

2,456,992

FREQUENCY SHIFT KEYING PLUS PHASE MODULATION

Donald W. Pugsley, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application December 26, 1947, Serial No. 794,029
2 Claims. (Cl. 178—66)



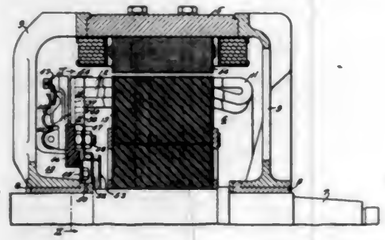
1. In a wave signaling system of the carrier-shift type, a source of radio frequency signals, a source of audio frequency signals, a reactance tube circuit and a keying circuit, means including said reactance tube circuit for modulating the frequency of said radio frequency signals with said audio frequency signals, further means including said reactance tube circuit for causing the mean frequency of said frequency modulated radio frequency signals to shift a predetermined amount on either side of said mean frequency in response to mark and space signals from said keying circuit, means for changing the frequency of said radio frequency signals throughout a wide range of frequencies, means for varying the amplitude of said audio frequency signals, means for varying the apparent reactance of said reactance tube circuit, means for varying the amplitude of said mark and space signals, mechanical means coupling said changing and varying means for unicontrol operation for maintaining a substantially fixed predetermined frequency variation of said carrier wave signal as said carrier wave frequency is changed throughout said wide range of frequency.

2,456,993

RADIAL COMMUTATOR ASSEMBLY

Rawdon E. Rambo, Pittsburgh, and Charles F. Jenkins, Laughlintown, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 24, 1945, Serial No. 624,287
3 Claims. (Cl. 172—321)



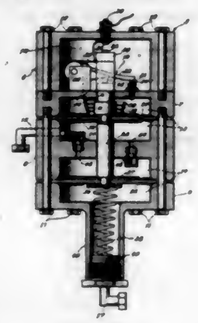
1. A dynamo-electric machine having a commutator-type rotor-member, a shaft for the rotor-member, a radial commutator disposed at one end of the rotor-member in spaced relation to the shaft, a single brushholder-supporting ring disposed approximately in the space between the shaft and the inner periphery of the radial commutator, in spaced relation to the latter, and a plurality of radially disposed brushholders supported on said brushholder-supporting ring in position to carry brushes bearing on said commutator.

2,456,994

FLUID PRESSURE SWITCH

William M. Robison, Mount Holly, N. J.

Application January 4, 1946, Serial No. 639,108
4 Claims. (Cl. 200—81.5)



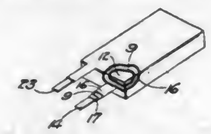
1. An oil supply indicator for internal combustion engines comprising, a casing composed of a plurality of rimmed sections defining therebetween a plurality of chambers, a diaphragm spanning each of two adjacent chambers, a switch within a third chamber adapted to be electrically connected with an ignition circuit to provide an electrical connection between such circuit and the casing, said switch embodying a spring normally holding it closed, a push rod for the switch connected to one of said diaphragms, a second switch push rod in alignment with the first push rod and connected to the other of said diaphragms, a spring acting directly on the first diaphragm to urge it in a direction away from the switch, a spring acting directly on the second diaphragm to urge it in the direction of the switch, the first mentioned diaphragm and push rod being arranged to exert pressure directly on the switch against the force of its spring in response to pressure conditions in the oil lubricating system, and the second mentioned push rod and diaphragm being in alinement with the first push rod and diaphragm to exert pressure on the switch through the first mentioned push rod in response to conditions of vacuum in the intake manifold, of an internal combustion engine; said casing being adapted to be connected in direct communication with the oil lubricating system and intake manifold of an internal combustion engine.

2,456,995

PIEZOELECTRIC CRYSTAL WITH MOISTUREPROOF COATINGS

Arthur M. Robinson, Boston, Mass., assignor, by mesne assignments, to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application April 18, 1946, Serial No. 663,239
8 Claims. (Cl. 171—327)



1. A piezo-electric salt crystal having a moisture-proof continuous coating comprising a waterproof inner layer and outer layer of metal plating.

2,456,996

DEHYDRATION OF HYDROXYLATED OILS

John B. Rust, East Hanover, N. J., assignor, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application August 31, 1946, Serial No. 694,411
4 Claims. (Cl. 260—405.5)

3. The process which comprises reacting, at between about 200° C. and 300° C., castor oil with from 0.2 to 10% of a mixture of boric and phosphoric acids in proportions to form boron phosphate whereby the oil is dehydrated and converted to a low-viscosity drying oil.

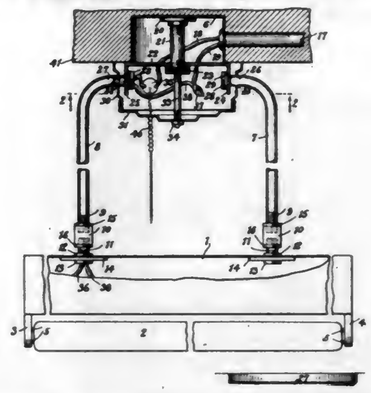
2,456,997

ELECTRIC FIXTURE

Morris Sachs, New York, N. Y.

Application February 12, 1947, Serial No. 727,995
6 Claims. Cl. 248—343)

1. An electric fixture mounting comprising, an outlet box having a stud, a bar mounted on the stud and provided with downwardly-bent ends, a canopy surrounding the downwardly-bent ends, an electric fixture having a pair of upwardly-extending tubular supports, the upper ends of said supports being bent substantially horizontally and extended through and swingingly mounted in the downwardly-bent ends of the bar, means on the ends of the supports for maintaining the same in



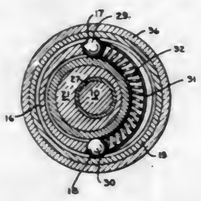
the bar, and a cover plate removably fitted over the lower end of the canopy.

2,456,998

CONTROL DEVICE

Victor N. Schubel, Dearborn, Mich.

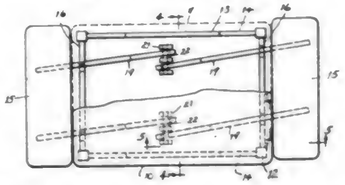
Application November 9, 1946, Serial No. 709,074
3 Claims. (Cl. 192—8)



1. In combination, a stationary circular guide bearing race and a circular driven bearing race mounted eccentrically one within the other to provide an eccentric space therebetween, said driven bearing race being mounted for eccentric rotation about the center of said guide bearing race, two movable riders seated in contact with said two races and spaced apart within said eccentric space to partition said eccentric space essentially into an oversized and undersized portion relative to said riders, a tubular spring housing disposed between said riders within the oversized portion of said eccentric space and secured to said driven bearing race and opening adjacent each of said riders, resilient means protruding from the openings of said tubular spring housing to urge each of said riders toward its seat and the undersized portion of said eccentric space, said driven bearing race being adapted by eccentric rotation in either direction to rotate against one of said riders and to immobilize that rider by friction contact with said stationary guide bearing race and thereby to prevent further rotation of said driven bearing race, drive means rotatable concentrically about the center of said stationary guide bearing race, driving lugs provided by said drive means and positioned within the undersized portion of said eccentric space adjacent each of said riders to drive one or the other of said riders along said stationary guide bearing race upon rotation of said drive means

in either direction, motion of either of said riders against said adjacent tubular spring housing being communicated thereto to rotate said driven bearing race.

2,456,999
EXTENSION TABLE
Irving Segal, New York, N. Y.
Application June 15, 1945, Serial No. 599,633
5 Claims. (Cl. 311—55)



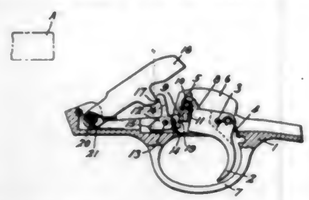
4. In an extension table, a supporting frame, a table top rigidly affixed to said supporting frame, an auxiliary leaf movable from a position beneath the top to an extended position at one side thereof, a pair of spaced slide bars secured at their outer ends to the under side of said leaf and extending beneath the table top diagonally with reference to the longitudinal edges thereof, said top and supporting frame having guides in which the bars are longitudinally slidable in angular relation to the edges of the top to thereby dispose the leaf in extended relation with the ends thereof offset out of alignment with opposite edges of the table top and said bars being provided with shoulders extending inwardly in corresponding side faces thereof adapted to overlie and seat upon the upper edge of the frame adjacent said guides therein for supporting the leaf upon said frame in longitudinal alignment with the top.

2,457,000
BUCKLE
Clifford L. Sevin, Houston, Tex.
Application May 11, 1945, Serial No. 593,264
2 Claims. (Cl. 24—73)



1. A device of the character described comprising a frame having a lower end bearing, a plate on the frame having a lower end bearing arranged to register with the frame bearing, means for clamping the upper end of the plate to the frame, a pin through said bearings, a strap hanger having links one of which is provided with an oblong slot and the other of which is provided with a J-slot, said pin extending also through said slots and means on the plate for the connection of a suspender thereto.

2,457,001
TRIGGER ACTION FOR AUTOMATIC FIREARMS
Wilfred I. Smith, Chicopee Falls, Mass., assignor to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware
Application October 4, 1945, Serial No. 620,361
1 Claim. (Cl. 89—144)



Trigger mechanism for firearms comprising in combination, a longitudinally extending trigger plate having a spring actuated rocking hammer pivoted on the forward end thereof, a spring actuated sear pivoted thereon rearwardly of said hammer and a spring actuated trigger pivoted thereon rearwardly of said sear, said hammer being provided with a hammer notch, said sear comprising a vertically disposed hook arm to engage said hammer notch, a forwardly extending arm for abutting said plate as a stop for limiting forward rocking of said sear, and a rearwardly extending arm with a rear vertical face having a sear notch therein, said trigger having an upper horizontal extension projecting forwardly of its pivot with a front vertical face in juxtaposition to the rear vertical face of said sear, a pivoted trigger pawl vertically hung from the front end of said trigger extension in position between said faces, and a pawl spring pressing said pawl against the sear notch face of said sear, with the face of said trigger extension serving as a back stop for said pawl, said parts being so constructed and arranged that said trigger pawl will engage in and drive said sear notch on the first part of a trigger pull movement and will slide out of said sear notch in the latter part of a trigger pull movement, and at all times said pawl will be confined between said sear rear face and the front face of said trigger extension.

2,457,002
INSULATING HOUSING FOR ELECTRICAL APPARATUS
Benjamin E. Spiro, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application December 20, 1944, Serial No. 568,984
4 Claims. (Cl. 217—69)



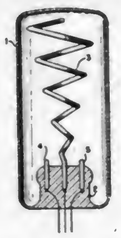
1. An insulating housing for protecting electrical apparatus, said housing including a plurality of insulating side panels maintained juxtaposed in predetermined angular relationship, means for conjoining together certain adjacent edges of said panels comprising a junction strip of resilient insulating material which integrally includes a pair of outer flanges angularly disposed relative to one another and an inner L-

sectioned member spaced therefrom to define therebetween a pair of longitudinal recesses in said strip into which said certain adjacent panel edges are received, the included angle between the flanges of said flexible strip when free of said panels being less than that maintained between said adjacent panels so that said flanges press effectively upon the panel surfaces to form a gas seal thereat, and means for locking said certain panel edges in said recesses including cooperatingly matching projections and indentations for said panel edges and said junction strip.

2,457,003
FRICTION ELEMENT
Ray E. Spokes, Ann Arbor, Mich., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 31, 1944, Serial No. 547,523
2 Claims. (Cl. 260—3)

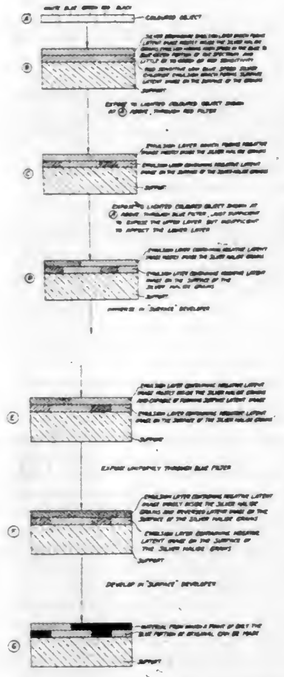
1. A friction element for use upon vehicular brakes and comprised of a mass of friction material, inert filler, and friction modifying agents bonded with the heat-reaction product of a mixture of vulcanizable hydrocarbon selected from the group consisting of natural rubber, reclaimed rubber and synthetic vulcanizable butadiene copolymers and mixtures thereof, a vulcanizing agent, a heat-reactive phenolic-aldehyde resin, and polymerized cashew nut shell liquid which has been polymerized until it is highly viscous and of a rubbery consistency and contains not substantially more than twenty-two per cent of its weight of benzol-extractable unpolymerized material, the heat-reactive phenolic-aldehyde resin component and the vulcanizable hydrocarbon component of the bond being incorporated therein in a ratio of not substantially less than two parts of the heat-reactive phenolic-aldehyde resin to one part of the vulcanizable hydrocarbon, by weight, the polymerized cashew nut shell liquid component and the vulcanizable hydrocarbon component of the bond being incorporated therein in a ratio of not substantially more nor substantially less than 4.0 parts of the polymerized cashew nut shell liquid to 2.75 parts of vulcanizable hydrocarbon, by weight.

2,457,004
TUNING INDICATOR IN RADIO RECEIVERS
Jörgen Christian Stannow, Lidingo, Sweden, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 23, 1945, Serial No. 595,291
In Sweden June 14, 1944
5 Claims. (Cl. 250—27.5)



1. A cathode-glow-discharge type of incremental-voltage indicator comprising, a gas-enclosing envelope, a cathode of conical spiral configuration supported within said envelope and having a pitch between its turns comparable to the diameter of the mean turn thereof, and a control electrode supported to extend within said envelope only at the region of the apex of said cathode and at a distance therefrom not substantially greater than the value of said pitch.

2,457,005
PHOTOGRAPHIC PROCESS
Guy William Willis Stevens, Harrow, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 1, 1947, Serial No. 765,635
In Great Britain January 31, 1945
6 Claims. (Cl. 95—5)



1. The method of selectively producing images in a photographic material comprising, inseparably combined and extending over the same area on a single support, two photographic emulsions, one of said emulsions being a light-sensitive silver salt emulsion (I) a test layer of which coated upon a transparent glass support upon exposure to a light intensity scale for a fixed time between $^1/_{100}$ and 1 second and development for 3 minutes at 20° C. in the following developer (IIa):

Hydroquinone	grams	15
N-methyl-p-aminophenol sulphate	do	15
Sodium sulphite, anhydrous	do	10
Potassium bromide	do	10
Sodium hydroxide	do	25
Sodium thiosulphate, crystals	do	20
Water to	cc	1,000

gives a transmitted density at any point along the $\log_{10}E$ axis, over a range of 1.0 starting from the threshold of the characteristic curve beginning at a density of 0.1 above fog, at least 5 times the transmitted density obtained when an identical

test layer of the emulsion is developed for 4 minutes at 20° C. in the following developer (I):

p-Hydroxyphenylglycine	grams	10
Sodium carbonate, crystals	do	100
Water to	cc	1,000

the measurements of density being made at the same points on the $\log_{10}E$ axis, and the other of said emulsions being a light-sensitive silver salt emulsion (II) a test layer of which coated on a transparent glass support upon exposure to a light intensity scale for a fixed time between $^1/_{100}$ and 1 second and development for 4 minutes at 20° C. in the following developer (IIb):

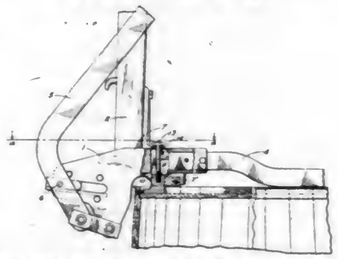
Hydroquinone	grams	12
N-methyl-p-aminophenol sulphate	do	3
Sodium sulphite, crystals	do	90
Potassium bromide	do	4
Sodium carbonate, crystals	do	150
Sodium thiosulphate, crystals	do	20
Water to	cc	1,000

gives a transmitted density at any point along the $\log_{10}E$ axis of the curve between the range of 0 to 2.0 which does not exceed the transmitted density obtained when an identical test layer of the emulsion (II) is developed for 4 minutes at 20° C. in the following developer (III):

Hydroquinone	grams	12
N-methyl-p-aminophenol sulphate	do	3
Sodium sulphite, crystals	do	90
Potassium bromide	do	4
Sodium carbonate, crystals	do	150
Water to	cc	1,000

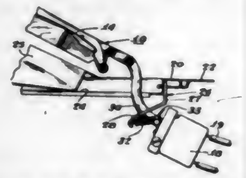
the measurements of density being made at the same points on the $\log_{10}E$ axis of the curve, comprising selectively exposing both emulsions to a lighted object or image to form latent image in both emulsions, treating the photographic material to render the emulsion (I) capable of forming latent image developable by the aforesaid developer (III), then uniformly exposing to light the photographic material to produce latent image in emulsion (I) some of which is developable by the aforesaid developer (III), said uniform exposure to light being insufficient to have any practical effect on said emulsion (II), then developing the photographic material in a developer which develops the latent image developable by said developer (III) and gives no more than a negligible development of the negative latent image formed by the original exposure in emulsion (I) compared with the positive image which is developed in said emulsion (I).

2,457,006
STAPLING MACHINE
Clarence C. Stuewe, Cleveland, Ohio
Application August 23, 1945, Serial No. 612,172
6 Claims. (Cl. 1—49)



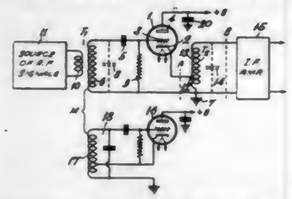
1. In a stapling machine having a stapling head adapted to drive staples extending to one side of a barrel and provided with a pair of spaced parallel side walls extending over the barrel head, a shoe for supporting said machine from said barrel head comprising a body member having grooves for receiving said side walls, fastening means extending into said shoe body and between said side walls, said shoe having portions extending laterally from said side walls, the ends of said shoe being provided with feet, said shoes and feet being provided with interlocking tongues and grooves and screw means extending through said feet into said body for adjustably holding said feet to said body.

2,457,007
ELECTRIC RANGE SURFACE UNIT
Ernest E. Sutherland, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 2, 1946, Serial No. 713,516
2 Claims. (Cl. 219—37)



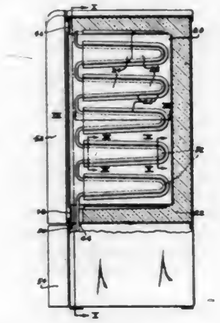
1. An electric surface heating unit comprising a sheathed resistance heater disposed substantially in a horizontal plane and having its terminal portions disposed below said plane and adjacent each other, an annular ring supporting said sheathed heater, an inverted T-shaped member fastened to said annular ring, said T-shaped member having its vertical portion disposed between two terminal portions of said sheathed heater and having its crossbar extending beneath and adjacent said terminal portions, said crossbar being longer than the space between said two adjacent terminal portions and adapted to engage said terminal portions and act as a support and fulcrum therefor upon upward arcuate movement of said sheathed heater relative to said annular ring.

2,457,008
FREQUENCY CONVERTER CIRCUIT
George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 21, 1944, Serial No. 569,228
5 Claims. (Cl. 250—20)



1. The combination, in a superheterodyne receiver, of an electron discharge converter having a cathode, a control grid and an anode, a circuit tuned to the frequency of signal oscillations connected between the control grid and ground, a source of local oscillations coupled to said tuned circuit, and an output circuit for deriving the resultant intermediate frequency having one end connected to ground and an intermediate point connected to the cathode of the converter.

2,457,009
REFRIGERATION APPARATUS
Elo C. Tanner, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 13, 1946, Serial No. 690,156
6 Claims. (Cl. 257—21)



1. Refrigerating apparatus comprising an insulating cabinet including a metal inner liner, metallic means secured to said liner in heat-transfer relationship therewith, said means forming a plurality of pockets on said liner, said pockets being tapered in breadth, and a metal tube bent into a plurality of loops, each of said loops being wedged into one of said pockets, said tube being adapted to conduct a refrigerant liquid.

2,457,010
PORTABLE BOAT
John H. Thedick, Oakland, Calif.
Application February 28, 1947, Serial No. 731,537
2 Claims. (Cl. 9—2)



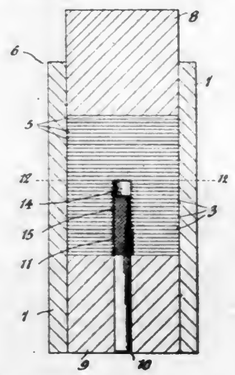
1. For a knockdown boat having a plurality of separable hull sections including a bow section, a stern section, and intermediate sections, means for holding said sections in abutting relation under uniform pressure comprising a plurality of flexible cables each having one end thereof secured to the bow section, means carried by the stern section for anchoring the opposite ends of said cables against movement toward the bow section, an elongated recess in a hull section adjacently underlying of the cables, a sheave rotatably mounted within each recess having its peripheral edge substantially conterminous with the mouth of the recess and adapted to be engaged by the adjacent cable, a first class lever eccentrically mounted for pivotal action at the mouth of each recess, a rotatable sheave mounted on the working arm of said lever, and overlying the cable, said latter sheave being effective upon a pivotal movement of the lever in one direction to travel on the cable and enter the recess to laterally displace a portion of the cable from its unstressed position and force said portion within the recess to place the cable under tension.

2,457,011
ELECTRIC CIRCUIT FOR ELECTROMAGNETS
Lester G. Tubbs, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1945, Serial No. 597,206
4 Claims. (Cl. 175—320)



1. The combination of an alternating-current voltage relay having a magnet structure provided with two cumulative windings, one of said windings having high inductance, said other winding having low inductance, a parallel circuit connected across said high-inductance winding and including a resistor and a capacitor in series-arrangement with said low-inductance winding so that said circuit has high impedance at normal frequency and low impedance at harmonic frequencies, whereby said relay is caused to have approximately constant voltage sensitivity over an increased range of different frequencies.

2,457,012
ABRASIVE ARTICLE AND METHOD OF MAKING
Frederick A. Upper, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application June 27, 1944, Serial No. 542,323
5 Claims. (Cl. 51—193)



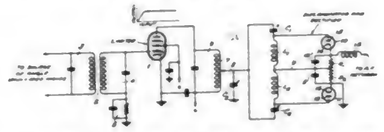
1. The method of making abrasive articles of manufacture which comprises forming an abrasive body having a re-entrant part adapted for reception of a mounting spindle by assembling a plurality of layers of felted fibrous, abrasive-containing sheet material of the desired size and shape in superimposed relation, compressing said assembly of sheet material to roughly form the desired abrasive body, applying a coating of adhesive to the re-entrant surfaces so provided in said abrasive body and drying the adhesive to limit penetration of the adhesive into the abrasive body, roughening the surface of the spindle to be inserted into the said abrasive body, coating said roughened surface with an adhesive and drying, inserting the spindle into the re-entrant part of the abrasive body, and subjecting the assembly to heat and pressure to firmly secure the spindle to the abrasive body and form the abrasive shape.

2,457,013

ANGLE MODULATED WAVE DISCRIMINATOR

George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 28, 1944, Serial No. 546,959
1 Claim. (Cl. 250—27)



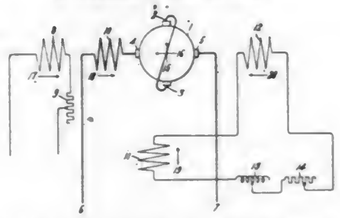
In combination with a source of angle modulated carrier waves, a resonant circuit tuned to a predetermined reference frequency coupled to said source, a pair of series-resonant circuits tuned to respective peak frequencies equidistantly located on opposite sides of said reference frequency, said pair of series resonant circuits being connected in parallel relation, a relatively low impedance coupling connection from a relatively low potential point on said resonant circuit to a common connection point of said pair of circuits, a pair of opposed rectifiers, each of said rectifiers comprising an anode and a cathode, each series resonant circuit consisting of a condenser and an inductance, said common connection point being the common connection between the condensers of said series resonant circuits, said low impedance coupling connection consisting of a reactive impedance connected between said common connection point and the cathodes of said rectifiers, a connection from the anode of each respective rectifier to the junction of the condenser and inductance of a respective one of said series resonant circuits, and a common connection from the cathodes of said rectifiers to the common connection of said inductances whereby there is applied to each respective one of said rectifiers the voltages developed across the respective inductances of said series-resonant circuits.

2,457,014

DYNAMOELECTRIC MACHINE

André Valentin, Belfort, France, assignor to General Electric Company, a corporation of New York

Application April 9, 1947, Serial No. 740,410
In France April 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires April 12, 1963
5 Claims. (Cl. 322—19)



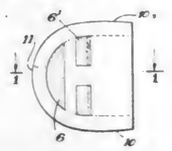
1. In a dynamoelectric machine of the armature reaction type, an armature provided with a commutator and a winding attached thereto, a set of primary brushes for providing a primary circuit through said armature winding, a set of secondary brushes for providing a secondary circuit through said armature winding, a control field winding arranged to provide a component of magnetic excitation along the axis of said secondary brushes, means for varying the energization of said control field winding, a compensating winding arranged to provide a component of magnetic excitation along the axis of said secondary brushes, a third field winding, said third winding being arranged to have induced therein a momentary electromotive force in response to sudden change in the energization of said control field winding, a fourth field winding, said fourth field winding being arranged to provide a component of magnetic excitation along said secondary brush axis, means for electrically interconnecting said third field winding and said fourth field winding so that a transient electromotive force induced in said third winding will cause in said fourth winding ampere turns which produce a momentary component of magnetic excitation substantially opposing change in control field energization, and means for modifying the amount and phase relationship of the transient current in said fourth winding with respect to the transient electromotive force induced in said third winding whereby an adjustable damping action is provided to prevent oscillations and hunting of said machine.

2,457,015

RUBBER HEEL

Tiemen van der Veen, Amsterdam, Netherlands

Application May 22, 1946, Serial No. 671,514
In the Netherlands November 27, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires November 27, 1960
4 Claims. (Cl. 36—70)



4. A rubber heel comprising in combination a rubber heel body having a flat bottom face, a front face and a rear face; a flat cavity arranged within said rubber heel body parallel to said flat bottom face and extending from said front face almost to said rear face; a hole arranged near said rear face of said rubber heel body and connecting said cavity within said rubber heel body with said bottom face thereof; at least one additional hole arranged in said bottom face of said rubber heel body at substantially equal distance from said rear face and said front face thereof and connecting said flat cavity within said rubber heel body with said bottom face thereof; and a water-absorbent sponge member arranged within said flat cavity and said holes and extending to said front face and said bottom face of said rubber heel body.

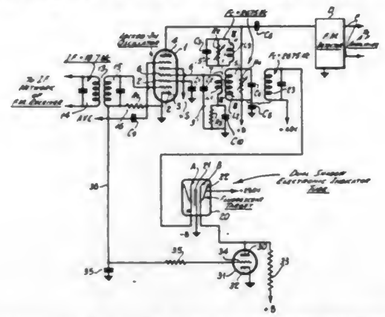
2,457,016

FREQUENCY MODULATION RECEIVER TUNING AID

Benjamin S. Vilkomerson, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 26, 1945, Serial No. 624,785
9 Claims. (Cl. 250—40)

1. In combination with the locked-in oscillator of a frequency modulation receiver, said oscillator continuously producing oscillations of a predetermined center frequency in the absence of received signals, an electronic indicator tube of the dual shadow type, means responsive to variations in center frequency of the lock-in oscillations for controlling one of the shadow areas of said indicator tube, and means responsive to the magnitude of received signals for controlling the second shadow area of said indicator tube.

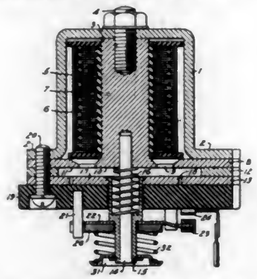


2,457,017

ELECTROMAGNETIC CONTROL DEVICE

Omar C. Walley, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 8, 1945, Serial No. 621,078
5 Claims. (Cl. 175—336)



1. An electromagnetic control device, comprising a field structure having a centrally located core and magnetizing coil means disposed on said core, said structure having magnetic pole faces of different magnetic polarity, an armature movable between a closed position in which it bridges said pole faces and an open position axially away from said pole faces, spring means for biasing said armature toward said open position, and magnetic means forming an extension of said frame structure which projects beyond said pole faces toward said armature when the latter is in said open position so as to include said armature in a magnetic pick-up circuit extending through said frame structure, said extension and said armature in said open position of the latter, said magnetic means having a portion extending substantially in the plane of said armature in its open position and another portion extending substantially in the plane of said armature in its closed position.

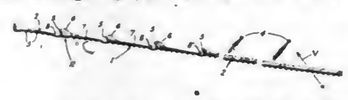
2,457,018

DEWATERING SCREEN

Joseph W. Wantling, Allwood, N. J., assignor, by mesne assignments, to Hewitt-Robins Incorporated, a corporation of New York

Application December 16, 1944, Serial No. 568,432
8 Claims. (Cl. 209—267)

1. A screen deck comprising a series of closely spaced, straight bars running lengthwise of the deck to provide a washing section followed by a de-watering section, said bars having, at intervals throughout the length of the de-watering section only, transversely aligned short lengths thereof downwardly depressed to form spaced shallow troughs extending transversely across the deck, the depressed portions of certain of the bars being laterally and oppositely deformed to bring certain of the trough portions of the bars closer together into groups, the groups thereby also being more widely spaced from each other than the adjacent straight portions of the bars, a transverse baffle plate upstanding from the deck at the entrance side of each trough and canted forwardly, with respect to the direction of movement of the material being screened, to overhang its adjacent trough, one of said troughs and baffles being located near the discharge end of the screen, and a supplementary, similar trough located immediately ahead of said last-mentioned baffle.

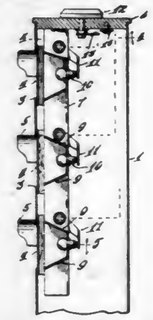


2,457,019

SIGNAL LAMP

Earl E. Weber, Greene Township, Hamilton County, Ohio

Application August 20, 1945, Serial No. 611,499
2 Claims. (Cl. 177—337)



1. An electric signal lamp, comprising a casing having a plurality of window openings in spaced alignment longitudinally thereof, a closure cap for one end of the casing, and an electric light bulb sustaining and reflector fixture consisting of a sheet metal strip of channel form in cross-section having sections of the web at intervals longitudinally thereof bent laterally inward of the channel in opposing divergent pairs, each pair, with a portion of each of the side walls of the channel therebetween providing a reflector in registration with a relative window opening in the casing for an electric light bulb socketed in an aperture of the web intervening and from which a pair of sections of the web diverge, said fixture having an end thereof fixed to said cap to dependingly sustain the same within the casing.

2,457,020

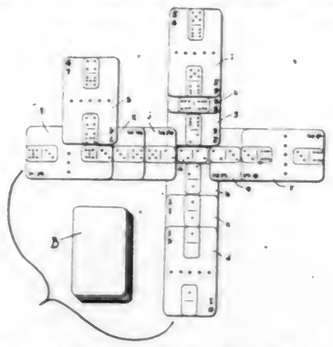
PLAYING CARDS

Clarence G. Whitney, Camden, N. J.

Application August 23, 1946, Serial No. 692,587
3 Claims. (Cl. 273—152)

1. A deck of playing cards corresponding to a set of dominoes, each card bearing a pair of

replicas of a single domino, said replicas being disposed adjacent the ends of the cards, the replicas of different-half dominoes being ar-

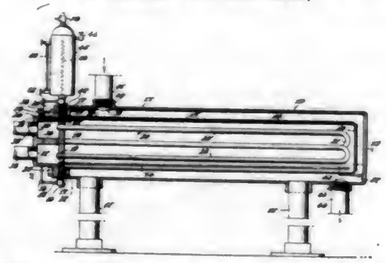


ranged so that opposite halves are outermost at the ends of each card, the replicas of double-dominoes being distinguished one from the other on each double-domino card.

2,457,021
PALLADIUM PLATING
Edmund Merriman Wise, Westfield, N. J., and Raymond Francis Vines, Queens Village, N. Y., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application June 25, 1940, Serial No. 342,286, now Patent No. 2,335,821, dated November 30, 1943. Divided and this application September 23, 1943, Serial No. 503,530. In Canada May 20, 1940
4 Claims. (Cl. 204—47)

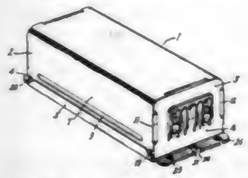
1. A process for electrodepositing thick, ductile coatings of palladium which comprises establishing an aqueous bath containing about 10 to about 175 grams per liter of palladium principally as palladium chloride and about 50 cc. to 700 cc. per per liter of concentrated hydrochloric acid, said bath having a pH not greater than about pH 2.0, immersing a palladium anode and a cathode in said bath, said anode consisting of substantially pure palladium melted under non-reducing conditions, and passing electric current through said bath whereby ductile deposits of palladium up to about 0.025 inch thick are obtained.

2,457,022
PREHEATING APPARATUS
Henry F. Yula, New York, N. Y.
Application November 1, 1945, Serial No. 626,035
2 Claims. (Cl. 257—239)



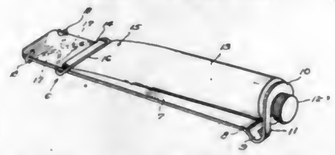
1. In an apparatus for preheating fuel oil for rendering the same relatively fluid when fed to a fuel oil burner, an outer casing, a container located within said casing in spaced relation to the walls thereof, a head secured to said casing in closing relation with one end of said container and formed with a plurality of apertures opening through the opposite faces thereof, a plurality of U shaped coils disposed within said container having open ends secured in said apertures in said head, an outer head secured upon said first named head and having ribs providing a plurality of recesses between said inner and outer heads, said outer head having an inlet opening into one of said recesses and an outlet opening into another of said recesses, at least one of said coils having an open end opening through said inner head into said recess having the inlet opening and at least one of said coils having an open end opening through said inner head into said recess having the outlet opening and at least two of the remaining coils each having an open end opening through said inner head into the remaining recesses for admitting fuel to said coils for circulating the same therethrough and through said recesses, an expansion tank, said first named head mounting said expansion tank and having means establishing communication between said expansion tank and said container for venting said container through said expansion tank, said container and expansion tank being adapted to contain a fluid for circulation about the coils, said casing having inlet and outlet openings adapted to be connected with a source of heated fluid for circulation thereof between said casing and said container for heating the fluid in said container and a conduit connected with the container at the top and bottom thereof for permitting of the circulation of the fluid in the container for heating the fuel oil in the coils.

2,457,023
ENCASING ASSEMBLY
Elmer J. Zelt, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application June 11, 1948, Serial No. 32,352
3 Claims. (Cl. 174—50)



1. An encasing assembly comprising a hollow casing member having at least one open end and an open side, said casing member having inwardly projecting extensions from said open end, at least two of said extensions lying in a common plane different from that of the other of said extensions, said casing member having at least two notches originating at said open end, an end member for closing said open end, said end member having a shape similar to that of the interior outline of said casing member and fitting therein so as to fill substantially the volume described by said casing member and said planes of said extensions, a bracket member having a body and a turned up edge extending therefrom, said bracket member being disposed so that said edge is in contact with the interior surface of said end member and cooperates with said extensions of said casing member for securing said end member in position, said edge having extensions which cooperate with said notches of said casing member for securing said bracket member and said end member to said casing member, a baseplate member communicating with said ends of said casing member and closing said open side, and means for securing said baseplate to said bracket.

2,457,024
COLLAPSIBLE TUBE HOLDER
Claus Arp, San Francisco, Calif.
Application February 13, 1945, Serial No. 577,603
2 Claims. (Cl. 248—108)



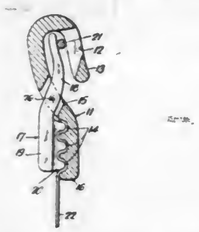
1. As a new article of manufacture and as a component part of a collapsible tube holder of the class described, an elongated flat plate forming a collapsible tube accommodating and supporting base, said plate being fashioned and formed at one end into a transverse, curvilineal bend, said bend including a bight portion projecting laterally from and disposed on a plane below the underside of the plate and a limb portion of the bend terminating in a laterally directed portion apertured and forming a horseshoe-shaped tube neck adapter, said adapter being at right angles to the plate to accommodate and permit passage of said neck equipped end and the opposite end portion of said plate being rectilinearly straight, longitudinally viewed, and transversely flat in order to accommodate a slidably mounted manually shiftable tube anchoring clip.

2,457,025
FUNGUS-PROOFING COMPOSITION
Paul George Benignus, Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 11, 1944, Serial No. 549,139
11 Claims. (Cl. 260—22)

4. A fungus-proofing and water-proofing composition for the treatment of cellulosic substances comprising (1) a water-in-oil emulsion in which the ratio of water phase to oil phase is in the range of 1:4 to 4:1, said emulsion having an oil phase comprising ½–5% of a halogenated 8-hydroxyquinoline derivative selected from the group consisting of 5,7-dibromo-8-hydroxyquinoline, 5,7-dichloro-8-hydroxyquinoline and the copper salts thereof, 2–10% of a modified alkyd resin made from a polyhydroxy alcohol and a modifying substance selected from the group consisting of fatty oil and fatty oil acids, said resin containing 20–40% of phthalic radical calculated as phthalic anhydride, said resin being soluble in mineral spirits, 3–25% of a chlorinated diphenyl mixture containing 20–68% of chlorine and mineral spirits and (2) a resinous hydrocarbon-soluble condensation product selected from the group consisting of dimethylol urea resins, dimethylol urea ether resins, tetramethylol melamine resins and tetramethylol melamine ether resins.

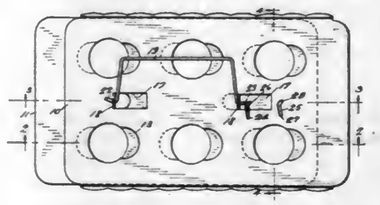
2,457,026
CLOTHESPIN
Joseph F. Bergantino, San Francisco, Calif.
Application February 7, 1947, Serial No. 727,267
1 Claim. (Cl. 24—137)

A clothespin comprising a combination hook and gripping jaw element; the hook having an elongated slot therein and said element having a transverse opening therethrough at the approximate longitudinal center thereof, a combination lever and gripping jaw element extending through said transverse opening of said first named element approximately at its longitudinal center with the gripping jaws of the elements aligned in opposed relationship; the lever of said



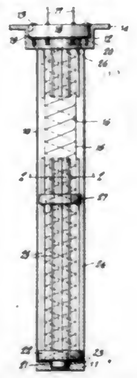
second named element passing through the slot of the hook upon the opening of the clothespin, and a pivot pin piercing both said elements at their approximate longitudinal center to connect the elements for pivotal movement; said pivot pin serving as a fulcrum when the clothespin is suspended from a clothesline forcibly to urge the gripping elements toward one another.

2,457,027
BOTTLE HOLDER AND CARRIER
William A. Bertram, Chicago, Ill.
Application June 29, 1945, Serial No. 602,349
16 Claims. (Cl. 224—45)



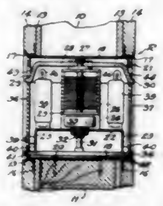
8. A bottle carrier comprising a body portion for supporting bottles by their necks or rims, the body portion including apertured upper and lower members of sheet material slidably adjustable one relative to the other into bottle-receiving and bottle-carrying positions, the upper member having other openings therein, lugs on the lower member projecting through said openings, and a handle pivoted to said lugs outside the upper member and extending outwardly therefrom into carrying position and foldable down alongside the member out of carrying position, said handle having its hand-gripping portion overlying one of the bottle-openings in the members when in folded position and an extension beyond one of its pivots over the face of the upper member and engaging the same when the members are in bottle-receiving position and the handle is slightly raised toward the carrying position by a bottle extending through said opening, whereby the descent of the body on the necks of the bottles is limited in loading, said upper member having an opening to receive said extension when the members are slid into carrying position to thereby unlock the handle so that it may be swung into carrying position, said extension and opening simultaneously locking the members in carrying position.

2,457,028
IMMERSION HEATER
Zolton J. Bors, Tonawanda, N. Y.
Application November 24, 1944, Serial No. 564,947
3 Claims. (Cl. 219—41)



1. An electrical immersion heater unit, comprising a metallic tube-like body provided at one end with a plug and at its other end with an attaching ring, and a heating element removably arranged in said body and including a core extending substantially from end to end thereof in annular spaced relation thereto to provide an air chamber and provided at its outer end with a terminal-bearing head, a heating coil disposed about said core and having its ends connected to the terminals of said head, longitudinal retaining strips disposed in spaced relation about said coil, and retaining rings spaced lengthwise of the core about said strips.

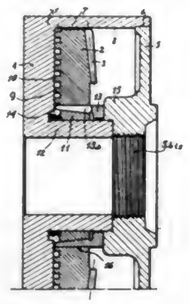
2,457,029
WALL RADIO
Wilhelm W. Brockway, Los Angeles, Calif.
Application September 13, 1946, Serial No. 696,726
12 Claims. (Cl. 250—16)



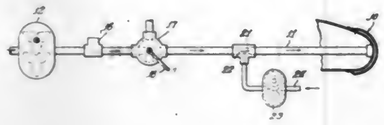
1. In a radio receiver apparatus, in combination with a partition wall separating two rooms of a building, said wall having a through opening, means framing said opening at each side of said wall, and a radio receiver mounted in said opening and having controls that are accessible from both of said rooms.

2,457,030
CHUCK
Ettore Bugatti, Paris, France
Application September 11, 1945, Serial No. 615,634
In France May 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 16, 1964
8 Claims. (Cl. 279—116)

5. In a chuck of the type described, the combination of a chuck body having a hub with a stationary abutment thereon; a ring on said hub, on one side of said abutment, having a close fit with said hub; a split ring with a cylindrical outer periphery and an inner conical periphery, on the first ring; a jaw control ring revolubly borne on the split ring; resilient means operatively interposed between one of the first two rings and the stationary abutment, for urging said ring in one axial direction; and means adjustably secured on said hub, providing an adjustable abutment for the other of said first two rings.

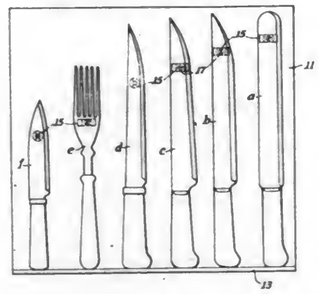


2,457,031
AIRCRAFT ANTI-ICING ARRANGEMENT
John D. Campbell, Lakewood, and Jay M. Roth, Euclid, Ohio, assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 5, 1942, Serial No. 467,958
1 Claim. (Cl. 244—134)



In an aircraft anti-icing or de-icing arrangement, means defining a porous leading surface subject to the formation of ice thereon under low temperature flying conditions, means effective to form and deliver a mixture of air and anti-icing or de-icing fluid to the back side of said leading surface for continuous passage therethrough, said means including a conduit leading to the area adjacent the back side of said leading surface, means for moving air through said conduit to the back side of said leading surface comprising a rotary dry air pump, means providing a supply of anti-icing or de-icing fluid, means for introducing said fluid into said conduit at a point therein, in the travel of said air from the outlet of said dry air pump to the back side of said leading surface, said introducing means comprising means defining a Venturi-like restriction or throat in said conduit, a discharge nozzle extending through the wall of said conduit with the discharge terminal portion thereof disposed centrally of said restricted Venturi portion of said conduit, and means for supplying said fluid to said nozzle including a gear metering pump.

2,457,032
CUTLERY DISPLAY BOARD
Emerson E. Case, Perry, N. Y., assignor to Robeson Cutlery Company, Inc., Perry, N. Y., a corporation of New York
Application February 17, 1947, Serial No. 729,099
5 Claims. (Cl. 211—89)



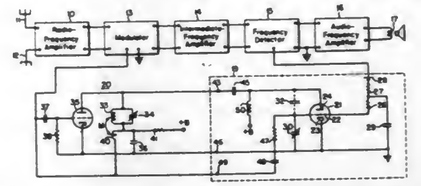
1. A cutlery display device comprising a non-magnetic board adapted to be mounted in an approximately vertical position, a support projecting outwardly from the face of said board and adapted to have a handle of a cutlery article rest on said support, and a magnet mounted on said board and associated with said support and having an outer face adapted to lie against one face of a blade of the cutlery article whose handle rests on said support, to hold said blade against tilting, said face of said magnet being offset outwardly from the face of said board through a distance equal approximately to one half the thickness of the handle of the cutlery article less one half the thickness of the blade thereof, so that said blade, when engaged with said face of said magnet will lie approximately parallel to the face of said board.

2,457,033
TREATMENT OF WOOL TO IMPART SHRINKAGE RESISTANCE THERETO
Harry F. Clapham, Wilmington, Del., and Milton Harris, Bethesda, and Arthur L. Smith, Suitland, Md.; said Harris and said Smith assignors to Harris Research Laboratories, a partnership
No Drawing. Application January 31, 1946, Serial No. 644,664
13 Claims. (Cl. 8—128)

1. A process for imparting shrinkage resistance to wool and to fabrics comprising wool, said process comprising: treating said material with a hypochlorite solution and a buffer system comprising borax, said solution having a hydrogen ion concentration of between pH 8.0 and pH 9.0.

2,457,034
ARRANGEMENT FOR SIMULATING A REACTIVE IMPEDANCE
Leslie F. Curtis, Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application June 21, 1946, Serial No. 678,263
11 Claims. (Cl. 178—44)

1. An arrangement for simulating, over a selected range of frequencies, a controllable substantially pure reactive impedance comprising: an electron tube having control electrode and cathode input electrodes and having anode and cathode output electrodes between which said controllable reactive impedance is developed; means for applying to said output electrodes a first high-frequency alternating potential having a frequency within said range; and a phase-shifting network having at least one phase-shifting resistive impedance and having phase-shifting reactive impedances comprised only by capacitance between said input electrodes and between said anode and said control electrode so that said reactive impedances have values varying in the same sense with frequency, said network including means for applying through said resistive impedance to the junction of said reactive impedances at said control electrode a second high-frequency alternating potential having the same frequency but opposite polarity to that of said first alternating potential, the values of said impedances being so selected that said network is responsive to said first and to said second alternating potentials to apply to said input electrodes a resultant alternating potential of a phase to cause said tube to provide at said output electrodes a space current which is substantially in phase-quadrature relation to said first alternating potential over said selected range of frequencies.



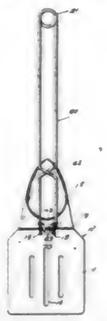
2,457,035
HEAT STABILIZED POLYVINYL CHLORIDE COMPOSITIONS
Joseph Raymond Darby, Richmond Heights, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 11, 1947, Serial No. 768,081
15 Claims. (Cl. 260—31.8)

1. A composition comprising a polymerized vinyl resin containing predominantly combined vinyl chloride, a minor amount of a basic lead salt and from 0.1 to 3% by weight of finished composition of an ester selected from the group consisting of monoalkyl fumarates and monoalkyl maleates wherein the alkyl substituents contain at least 1 and not more than 12 carbon atoms.

2,457,036
COFFEE CONCENTRATE AND THE PROCESS OF PRODUCING IT
Albert A. Epstein, New York, N. Y.
No Drawing. Application April 10, 1946, Serial No. 661,077
7 Claims. (Cl. 99—71)

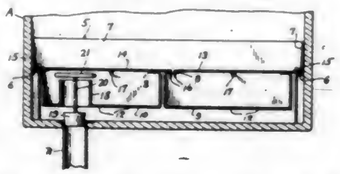
1. A water soluble coffee concentrate in the form of a vitrified non-hygroscopic mass comprising extractives derived from coffee beans and a carbohydrate base which vitrifies upon cooling from the molten state, said coffee extract being homogeneously fused into the said vitrified carbohydrate to seal-in the volatile aromatic and flavor components and potency factor thereof, said carbohydrate base having a melting point under 100° C. whereby the coffee extractives are taken up by the fused base without charring or loss of volatile components and whereby the solubility of the concentrate is enhanced by melting thereof.

2,457,037
COMPOUND CULINARY IMPLEMENT
Herbert John Fadeley, Jr., North Wales, Pa.
Application August 17, 1944, Serial No. 549,933
1 Claim. (Cl. 7—16)



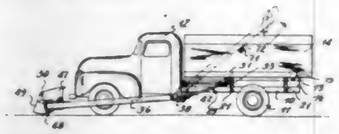
In a compound culinary instrument the combination with a reversible sheet metal member having a spatula at one end thereof and a spoon at its opposite end, said spatula and spoon being disposed at an obtuse angle with respect to one another, a pair of spaced ears struck from the member at the junction of the spatula and spoon, each ear having an aperture the axis of which extends parallel to the junction of the spatula and spoon and a groove extending from the aperture adjacent and parallel to the spatula, and each ear also having a groove extending from the aperture adjacent and parallel to the spoon, of a handle comprising a spring loop, yieldable legs extending tangentially from the loop said legs being crossed intermediate their ends and inturned lugs at the free ends of the legs, said lugs being adapted to enter the apertures in the ears pivotally to connect the member and the handle in such manner that when the spatula or the spoon is in operative position portions of the legs will lie in the grooves whereby accidental movement of the member about the lugs will be avoided.

2,457,038
SANITARY SINK STRAINER
Tom A. Garonis, Santa Barbara, Calif.
Application June 25, 1945, Serial No. 601,394
2 Claims. (Cl. 4—190)



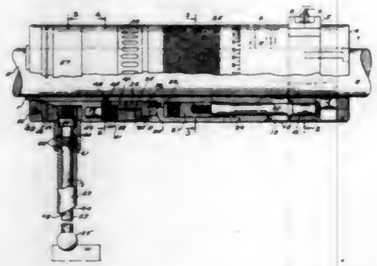
1. The combination with a sink, a drain tray supporting unit resting on the bottom of the sink, a ledge formed around the tray supporting unit in spaced relation to the bottom of the sink, a flange formed on the ledge and having its free edge bearing against the inner side walls of the sink, drain trays having apertured bottoms suspended from the aforesaid ledge of the tray supporting unit, an inwardly extending neck formed on the bottom of one of the drain trays in register with the drain of the sink, a stopper of lesser diameter than the neck seated over the sink drain, an elongated stem on the stopper, a knob of greater diameter than the neck formed on the stem and disposed over the upper end thereof, apertured cover plates hinged at opposite ends of the tray supporting unit, one of which extending over the opposed walls of the drain trays and the other of which having its free end opposed to the free end of the first mentioned drain tray and remote to the space between the opposed walls of the drain trays, and hand grips formed on the trays.

2,457,039
SELF-LOADING TRUCK
Michael Graves and Anatoly Lankovski, Los Angeles, Calif., assignors to Matthew B. Butler, Los Angeles, Calif.
Application December 29, 1945, Serial No. 637,872
16 Claims. (Cl. 214—78)



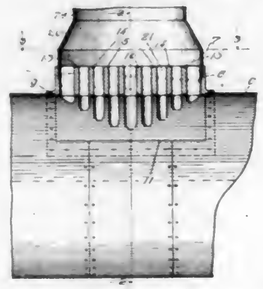
1. A truck having frames pivotally mounted upon the sides thereof, arms pivotally mounted upon said frames, a scoop or shovel mounted upon the arms adapted to be positioned thereby forwardly of the truck or swung upwardly over the truck to dump into its body, fluid pressure operated means mounted upon said frames and operatively connected to the arms to swing the arms, and means for supplying said fluid pressure operated means with fluid pressure.

2,457,040
BORING HEAD
William Penn-Gaskell Hall, Berwyn, Pa.
Application January 10, 1945, Serial No. 572,121
9 Claims. (Cl. 77—57)



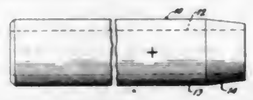
1. A self-contained boring head adapted to be slid longitudinally over the end of and along a boring bar to a predetermined position thereon and comprising a hollow generally cylindrical body affording an uninterrupted passage for receiving the bar, means operable to removably secure the body to the bar in said position, a slide movable radially of the body having spaced legs extending on opposite sides of the bar when the head is seated thereon, cutter holding means adjacent one end of the slide, camming means on the inner faces of the legs of the slide, a cam block housed in the body and slidable longitudinally thereof having camming means cooperative with those on the slide, an internally threaded sleeve rotatably mounted on the body, an element having threads cooperative with those on the sleeve arranged for longitudinal movement in the body, and means connecting said element with the block whereby rotation of the sleeve is operative to move the element and block longitudinally and through the interaction of the respective camming means on the block and slide to move the latter radially of the body.

2,457,041
PIPE T
Leroy F. Harza, Highland Park, Ill.
Application September 6, 1944, Serial No. 552,921
4 Claims. (Cl. 285—105)



1. A pipe T comprising a main pipe and a branch pipe at an angle thereto, the main pipe having an opening in its wall for the branch pipe, a saddle fitting extending around and secured to the edge of the opening, the fitting having a plurality of ribs extending across the opening and conforming in curvature to the inside radius of the main pipe to carry the wall strength of the main pipe across the opening, the ribs varying in length from the center to the edges of the opening.

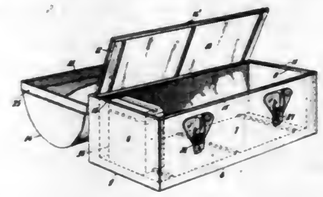
2,457,042
ELECTRODE FOR ARC LIGHTS
Robert W. Hickman, Chicago, Ill., assignor to Frederick B. Hinrichs, Chicago, Ill.
Application October 24, 1945, Serial No. 624,135
4 Claims. (Cl. 176—121)



1. In an electric arc lamp, the combination of a pair of electrodes having a substantially oval cross section and having a cross sectional area just sufficient to carry the arc current for producing a substantially oval and steady arc crater.

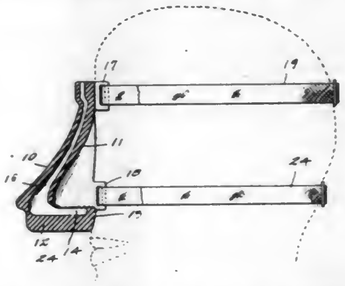
2,457,043
LUNCH BOX
Albert Ralph Histand, Croyden, Pa.
Application June 14, 1947, Serial No. 754,720
1 Claim. (Cl. 206—4)

In a temporary storage carrier or lunch box of the type described including the closure and a removable ice container means for selectively-locating and positionally-holding the ice-container within the said carrier or box comprising opposingly-related ribs across the inner bottom face of said container and correspondingly across the under face of the inner closure; and grooves in the outer bottom face of the container



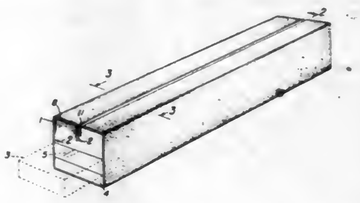
and complementally sectioned grooves in the outer upper face of its cover for selective coaction with a pair of the opposing ribs aforesaid.

2,457,044
BREATH DIVERTER FACE MASK
Frank L. Hower, Rawson, Ohio
Application April 3, 1946, Serial No. 659,303
1 Claim. (Cl. 128—148)



A face mask of the character described comprising a substantially thick nose conforming guard provided with a head encircling means for holding the guard snugly against the nasal portion of the face, said guard being of resilient material and formed with a depression on the top of its bottom portion and ducts extending from said depression upwardly through the guard to open through the top portion thereof, said ducts being of downwardly increasing cross-sectional area to the point where they meet the said depression.

2,457,045
SANDING BLOCK
Jesse C. Kitterman, Corydon, Ind., assignor of one-half to Maurice W. Dyer, Corydon, Ind.
Application October 10, 1947, Serial No. 779,019
2 Claims. (Cl. 51—187)



1. A sanding block comprising a top block member formed with a longitudinally extending slot

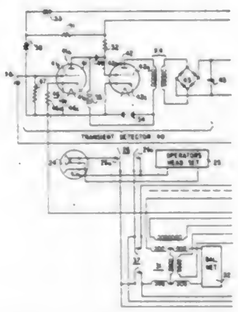
in its upper surface, an inverted V-shape clamping strip disposable therein, a pair of wedge-shaped block members supported below said top member, the intermediate or upper wedge-shaped block member being longitudinally slotted and movable with respect to said top block member, securing screws extending through the lower wedge-shaped block member and through the slot in said intermediate block member into said top block member, and a sheet of sand paper disposed about said block members having its opposite edges secured in the slot in the top of said top block member by means of said inverted V-shape clamping strip.

2,457,046

TELEPHONE SIGNALING APPARATUS

Barney J. Kucera, Cleveland, Ohio, assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware

Application July 15, 1942, Serial No. 450,987
23 Claims. (Cl. 179—175.2)



1. In a telephone system which includes subscriber controlled automatic switching apparatus for setting up connections between the substations thereof, an observation point, means controllable from said observation point for selecting any desired one of said substations, means at said observation point for controlling said switching apparatus to force completed connections involving said one substation to be set up over a route which includes said observation point, and means at said observation point for monitoring connections set up over said route.

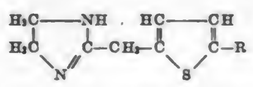
2,457,047

2-(2'-THENYL)-4,5-DIHYDROIMIDAZOLES AND PROCESS FOR MAKING THE SAME

Lucas P. Kyrides, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 13, 1946, Serial No. 647,430
9 Claims. (Cl. 260—309.6)

1. Compounds having a structural formula of the type:



in which R represents a radical selected from the group consisting of hydrogen and methyl, and acid salts thereof.

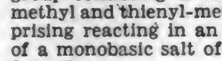
2,457,048

PROCESS OF MAKING TERTIARY AMINES

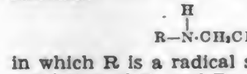
Lucas P. Kyrides and Ferdinand B. Zienty, St. Louis, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 4, 1946, Serial No. 701,078
10 Claims. (Cl. 260—329)

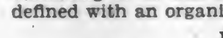
1. In the process of making a tertiary amine of the formula:



in which R_1 is a radical selected from the group consisting of aryl-methyl and thienyl-methyl radicals and R_2 is a radical selected from the group consisting of aryl, alkyl, cycloalkyl, aryl-methyl and thienyl-methyl radicals, the step comprising reacting in an organic solvent a mixture of a monobasic salt of a secondary amine of the formula:



in which R is a radical selected from the group consisting of R_1 and R_2 radicals as hereinbefore defined with an organic halide of the formula:



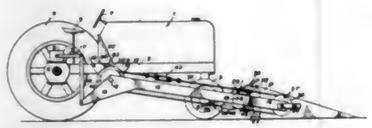
in which R' is a radical selected from the group consisting of R_1 radicals as hereinbefore defined.

2,457,049

TRACTOR-MOUNTED SCOOP CONTROL

Edward H. Lacey, Sioux Falls, S. Dak.

Application April 18, 1947, Serial No. 742,334
6 Claims. (Cl. 214—140)



1. In combination with a tractor, spaced parallel bell crank arms pivoted thereto, a scoop pivotally supported between the forward ends of said arms, pulleys supported for movement with said arms and scoop, an operating cable disposed about said pulleys, a latch for said scoop, a leveling drum secured to one of said pulleys being formed with a plurality of peripheral locking notches, and an operating lever having a pivoted dog thereon engageable with said locking notches for holding said leveling drum stationary to cause the cable to hold said scoop level as it is raised by said bellcrank arms operating said latch.

2,457,050

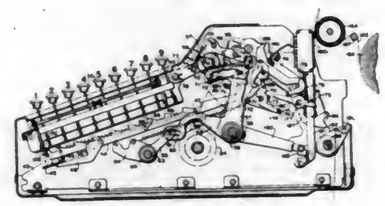
PRINTING MECHANISM FOR ADDING MACHINES

Harry L. Lambert, East Rochester, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application April 3, 1945, Serial No. 586,361. Divided and this application May 10, 1946, Serial No. 668,749
7 Claims. (Cl. 101—93)

1. In a machine of the class described, the combination of a differentially positionable type supporting means; two groups of type carriers mounted on the supporting means; two printing

hammers, one hammer, being normally effective and located in relation to the groups of type carriers whereby the hammer strikes a type carrier of one group for making a record, the other hammer being normally ineffective and located in relation to the groups of type carriers whereby the hammer strikes a type carrier of the other group for making a record; a bank of keys for controlling the adjustment of the supporting



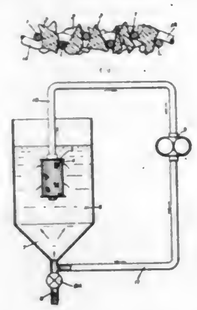
means to position a type carrier of each group at the printing line; a second bank of keys; and means rendered effective when one of the keys of said second bank is depressed for causing said one hammer to be rendered ineffective and said other hammer to be rendered effective so as to cause a record to be made from said other group of type carriers rather than from said one group of type carriers.

2,457,051

METHOD OF MAKING REINFORCED POROUS METAL MEMBERS

Camille Clare Sprankling Le Clair, Acton, London, England, assignor to Tecalemit Limited, Brentford, England, a corporation of Great Britain

Application May 25, 1945, Serial No. 595,714
In Great Britain August 18, 1944
4 Claims. (Cl. 29—148)



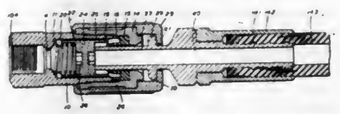
1. The method of constructing a porous member having a support consisting of a perforated member or the like, comprising the steps of suspending metal or metal alloy particles in a flowing stream of fluid, at least a portion of said particles being of such size as not readily to pass through the interstices of the support causing said stream to flow under pressure, positioning the support in the path of said stream flowing under pressure so that at least a portion of the particles suspended in said stream become evenly distributed in and firmly wedged into the interstices of the support, and finally sintering the particles so that they adhere to the support.

2,457,052

COUPLING FOR USE IN FLUID SUPPLY SYSTEMS

Camille Clare Sprankling Le Clair, Acton, London, England, assignor to Tecalemit Limited, Brentford, England, a corporation of Great Britain

Application January 24, 1947, Serial No. 723,923
In Great Britain January 30, 1946
12 Claims. (Cl. 284—19)



1. A coupling for use in fluid systems comprising two coupling members each formed with a duct for the passage of fluid therethrough and means for coupling said members together in a fluid-tight manner with the fluid duct in one member in communication with the fluid duct in the other member, one of said coupling members comprising a body part and a tubular ferrule part extending therefrom, and the other of said coupling members comprising a body-part, a valve having a tubular portion provided with an annular valve face, and a resilient element mounted in said body part, said resilient element comprising an annular section, one face of which forms a seat for said valve, and a tubular section projecting from said annular section inside said tubular portion of said valve, the arrangement being such that when the coupling members are coupled together the ferrule part on the first member passes through the resilient element in the second member, the tubular section of the resilient element forming a fluid-tight seal with the outer surface of the ferrule part and being adapted to be urged into contact with said surface by fluid pressure within the coupling member, whereafter the ferrule part engages said valve and moves it off its seat, thereby allowing fluid to flow from one coupling member to the other through said ferrule part.

2,457,053

CIGARETTE LIGHTER

Frederick Daniel Lewis, Jr., Miami, Fla.

Application September 11, 1945, Serial No. 615,659
1 Claim. (Cl. 67—4.1)



A self-standing table-type pyrophoric lighter of the class described comprising a primary unit embodying a base and an integral, vertically elongated shell, said base being flat and weighted and adapted to sit in a position to prevent tilting of the shell under normal handling conditions, said shell being hollow and open at its top and provided at said top with a reduced cylindrical neck, an insert unit, the latter including a hollow shell protruding into said first-named shell

and constituting a receptacle for lighter fluid, the upper portion of said insert projecting beyond said neck and having an outstanding annular bead resting on the adjacent end of the neck, that portion beyond said bead constituting an adapter sleeve for a separate, removable and insertable pyrophoric lighter unit, and a lighter unit fitted telescopically into said neck, said lighter unit including a casing, said casing being open at its bottom and containing the usual absorbent filler wad and wick, said wad being adapted to be doused with lighter fluid from said receptacle whenever necessary or desired, pyrophoric lighting means on said lighter unit, said casing having an outstanding bead, said bead resting on an adjacent end of said adapter sleeve, and a removable cap enclosing the adjacent portion of said lighter unit and fitted on said adapter sleeve, said first-named bead constituting a stop for the adjacent end of the cap.

2,457,054

LUMINESCENT MATERIALS FOR ELECTRIC DISCHARGE DEVICES

Humboldt W. Leverenz, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

No Drawing. Application December 31, 1941, Serial No. 425,023

6 Claims. (Cl. 252—301.4)

1. A crystalline luminescent multi-metal oxygen compound consisting of an oxide of a first member selected from the group consisting of silicon, and germanium and mixtures thereof, an oxide of a second member selected from the group consisting of beryllium, magnesium, zinc, and cadmium, and mixtures thereof, and an oxide of a third member selected from the group consisting of tin, and lead and mixtures thereof, said oxides being co-crystallized, and a manganese activator in said co-crystallized oxides in activator proportions, the molal ratio of said second member to said third member being 1:20 to 50:1 and the molal ratio of said second member to said first member being from 3:1 to 1:6, said compound constituting a single crystal structure.

6. The method of making silicate and germanate phosphor compounds which consists in heating together a member of the group consisting of oxides of silicon, and germanium and mixtures thereof, a member of the group consisting of oxides of zinc, beryllium, calcium, cadmium, magnesium, strontium, and barium, and mixtures thereof, a member of the group consisting of the oxides of tin and lead and mixtures thereof, the said ingredients being in the proportions necessary to form the desired phosphor compounds and a manganese activator in activator proportions, said heating being at a temperature between 600° C. and 1600° C. in a current of live steam containing entrapped ammonia.

2,457,055

PRODUCTION OF STAINLESS STEEL

Donald L. Loveless, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio

No Drawing. Application May 21, 1945, Serial No. 595,063

5 Claims. (Cl. 75—12)

1. In the production of stainless steel of low carbon and low sulphur contents, the art which includes, melting in an electric arc furnace having a chromite lining a charge including high-sulphur stainless steel scrap and high-carbon ferrochrome thereby forming a bath of high-sulphur metal; maintaining said bath under an oxidizing slag blanket at a high temperature to remove carbon from the bath, this action being accompanied by a loss of chromium into the slag; adding an excess of silicon-containing reducing agent to the slag whereby chromium contained in the slag is precipitated into the underlying bath; removing the residual slag from the surface of said bath; building up on the bath a sulphur-reactive lining finishing slag comprising substantial amounts of burnt lime and ilmenite; and then rabbling the slag and bath to effect removal of sulphur from the bath while minimizing contamination with chromite.

2,457,056

ROOF TRUSS

Stanley Macomber, North Canton, Ohio

Application December 16, 1946, Serial No. 716,636

13 Claims. (Cl. 108—23)



1. A fabricated truss including a top chord, a pair of vertically spaced bottom chords, struts connected at their upper ends to the top chord and connected at their lower ends to the uppermost of the bottom chords, and load bearing plates extending between and connected to the uppermost and lowermost bottom chords beneath the points of connection of the struts to the uppermost of the bottom chords.

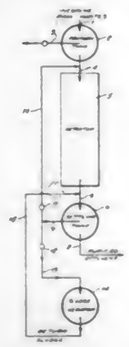
2,457,057

WASTE PURIFICATION PROCESS AND APPARATUS

Edward B. Maliory, Tenafly, N. J.

Application June 30, 1945, Serial No. 602,546

2 Claims. (Cl. 210—8)



1. A waste purification process of the character described which includes passing wastes to be purified successively through an aerator and clarifier, settling sludge in said clarifier, withdrawing settled sludge from said clarifier, aerating sludge which has been so withdrawn, returning thus aerated sludge to the aforesaid clarifier to settle and contract the size of the sludge particles in admixture with the wastes in said clarifier, and then returning thus aerated and contracted sludge back into admixture with wastes under treatment in said aerator.

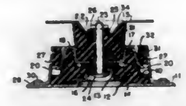
2,457,058

SUPPORTING ARRANGEMENT

Jesse Markowitz, Forest Hills, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application September 5, 1945, Serial No. 614,542

13 Claims. (Cl. 248—24)



1. An arrangement for yieldably supporting a first object with reference to a second object comprising, a first resilient member to be supported at one end on the second of said objects, a second resilient member in partially nested relation with respect to the opposite end of said first resilient member and having a free end for receiving the first of said objects, a separator disposed between said first and second resilient members, a pin projecting through said resilient members and said separator for aligning said resilient members having retaining means at one end for engaging said first resilient member in the vicinity of said one end thereof and having retaining means at the other end for engaging said first object, and stop means for limiting the motion of said separator in a direction away from said second object.

12. An arrangement for yieldably supporting a first object with reference to a second object comprising, a first resilient member to be supported at one end on the second of said objects, a second resilient member in partially nested relation with respect to the opposite end of said first resilient member and having a free end for receiving the first of said objects, a separator disposed between said first and second resilient members, means for engaging said first resilient member in the vicinity of said one end thereof and for engaging said first object, and stop means for limiting the motion of said separator in a direction away from said second object.

2,457,059

METHOD FOR BONDING A NICKEL ELECTRODEPOSIT TO A NICKEL SURFACE

Ralph Crysler McQuire, Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 26, 1946, Serial No. 650,389. In Canada December 3, 1945

10 Claims. (Cl. 204—32)

1. A method for obtaining improved bonding of a nickel electro-deposit to a nickel surface which comprises immersing a nickel starting sheet for about 5 minutes without the application of electric current from an external source in an aqueous bath containing about 100 grams per liter of sulfuric acid, about 50 grams per liter of sodium chloride and about 5 grams per liter of copper in the form of copper sulfate and the balance essentially water, maintaining said copper in the cupric state by passing air through said bath, removing said nickel starting sheet from said aqueous bath, rinsing said starting sheet with water, immersing said starting sheet in a nickel electro-plating bath and electro-depositing nickel on said nickel starting sheet.

2,457,060

METHOD FOR BONDING A NICKEL ELECTRODEPOSIT TO A NICKEL SURFACE

Ralph Crysler McQuire, Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 18, 1945, Serial No. 635,775. In Canada October 25, 1945

13 Claims. (Cl. 204—32)

1. A method for obtaining improved bonding of a nickel electro-deposit to an article having a nickel surface which comprises anodically treating said article having said nickel surface for about 5 minutes in an aqueous chloride-bearing bath consisting of about 50 to about 200 grams per liter of sulfuric acid, about 50 to about 60 grams per liter of sodium chloride, copper sulfate in an amount to provide a cupric ion concentration of about 5 grams per liter of cupric ion, and the balance essentially water at a current density of about 15 amperes per square foot; removing said article from said bath; rinsing said article; transferring said article to a nickel electroplating bath; and electro-depositing nickel on the anodically treated nickel surface of said article whereby an improved bonding of a nickel electrodeposit to said treated nickel surface of said article is obtained.

2,457,061

METHOD FOR BONDING A NICKEL ELECTRODEPOSIT TO A NICKEL SURFACE

Ralph Crysler McQuire, Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 18, 1945, Serial No. 635,774. In Canada October 25, 1945

7 Claims. (Cl. 204—32)

1. A method for obtaining improved bonding of a nickel electro-deposit to an article having a nickel surface which comprises anodically treating said article having said nickel surface for about 2 to about 5 minutes in an aqueous acid bath consisting of about 10 to about 200 grams per liter of sulfuric acid, copper sulfate in an amount to provide about 0.5 to about 30 grams per liter of cupric ion in said bath and the balance essentially water at current densities of about 10 to about 25 amperes per square foot; and electro-depositing nickel on said anodically treated nickel surface of said article whereby an improved bonding of a nickel electro-deposit to said nickel surface of said article is obtained.

2,457,062

QUENCHED AMPLIFIER SYSTEM

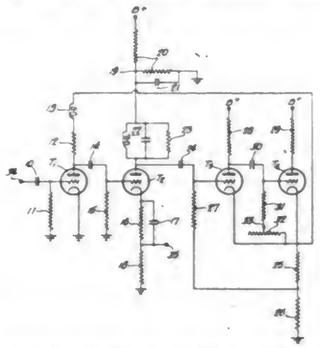
Robert C. Moore, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application August 2, 1944, Serial No. 547,720

7 Claims. (Cl. 250—27)

5. In combination, a pulse-responsive amplifier including an input tube having an anode and a cathode loaded output tube, a normally-inoperative electron tube device adapted to operate for a predetermined period in response to a triggering potential applied thereto, means operable by said amplifier in response to a pulse signal for trigger-

ing said device, and means responsive to operation of said device for reducing the anode potential of said input tube and for simultaneously biasing said

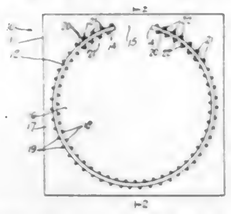


output tube below cut-off, so as to render said amplifier substantially inoperable during the operation of said device.

2,457,063
DEHYDRATED MEAT SCRAPPLE AND METHOD OF MAKING THE SAME
Agnes Fay Morgan, Berkeley, Calif., and Betty M. Watts, Pullman, Wash., assignors to the United States of America as represented by the Secretary of War
No Drawing. Application December 5, 1944, Serial No. 566,774
9 Claims. (Cl. 99—208)

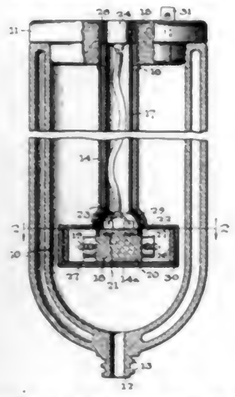
1. A scrapple food product comprising a dehydrated mixture of comminuted meat normally subject to oxidative change, cereal meal capable of passing through a sieve having openings of 2 mm. diameter and incapable of passing through a sieve having openings of 0.5 mm. diameter, and in an amount less than said cereal meal an antioxidative substance substantially uniformly distributed through said mixture, said substance being selected from soybean flour, ascorbic acid and tocopherol, whereby a non-crumbly rehydratable, dehydrated, rancidity-inhibited scrapple food product is provided.

2,457,064
HAND KNITTING DEVICE
Anthony Parisi, Brooklyn, N. Y.
Application March 18, 1947, Serial No. 735,337
8 Claims. (Cl. 66—4)



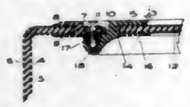
1. A device for the knitting of a fabric including a one-piece plate-like member having a narrow slot opening extending along a generally curved path whose ends are spaced from each other to define a neck integrally interconnecting the plate portion within the slot with the plate portion beyond the slot, and a series of equally spaced pin-like elements on each section closely adjacent to said opening, the spacing between the elements of one section being approximately equal to those of the other section, and said spacing being such that the fabric is knitted by looping yarn around the elements for stitch forming to produce a fabric passing through said opening.

2,457,065
ELECTRICAL HEATING UNIT
Harry M. Parmley, Harrisburg, Pa.
Application December 20, 1945, Serial No. 636,221
5 Claims. (Cl. 219—41)



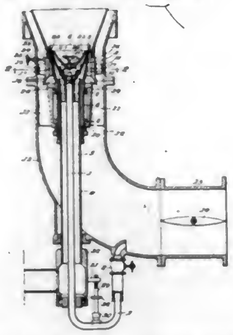
1. An electrical heating unit adapted to be removably positioned in a liquid container, said unit comprising spaced, concentric inner and outer tubular members mounted at their upper ends in a closure for said container, said inner member being formed of electrical insulating material and said outer member being of metal, spacer members having air passages therein interposed between said inner and outer members, an electrical heating unit supported at the lower end of the inner member, lead wires extending through the inner member from said resistance element to the upper end of the inner tubular member, and a cylindrical metal casing for said resistance unit mounted on the lower end of said outer member.

2,457,066
ACCESS DOOR FOR LIQUID CONTAINERS
Francis J. Pepersack, Towson, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application August 25, 1943, Serial No. 499,897
5 Claims. (Cl. 150—3)



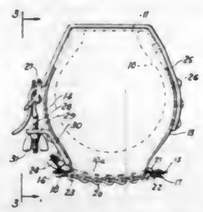
5. In a tank for liquids, a wall of flexible, rubber-like material having an access opening, a perforated rigid ring assembly secured to the tank in liquid sealing relation to said opening, a door of similar flexible material for said opening having a peripheral portion provided with an outer surface to engage the inner surface of the rigid ring assembly about the said opening, a perforated rigid ring embedded in said peripheral portion of said door, and means including screw-threaded members disposed in aligned perforations of said ring and said ring assembly for pressing the said inner and outer surfaces together with liquid-sealing contact.

2,457,067
ATOMIZING OIL BURNER
Attilio Perretti, Milan, Italy
Application April 21, 1939, Serial No. 269,159
In Italy April 26, 1938
2 Claims. (Cl. 158—77)



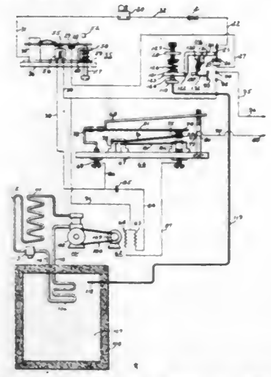
1. A burner for crude oil comprising a main air pipe, a secondary air pipe within said main air pipe and an oil pipe within said main air pipe and surrounding said secondary air pipe; conical bell shaped cups at the discharge ends of said pipes, the cups at the ends of said secondary air pipe and said oil pipe having portions of their conical surfaces substantially parallel to one another and forming an annular conical passage for the oil discharged from said oil pipe, the cup at the end of said oil pipe being rotatably connected thereto and provided with a turbine wheel with blades protruding into said main air pipe, means to shift the cup at the end of said secondary air pipe longitudinally relatively to the cup at the end of said oil pipe, to vary the cross sectional area of said annular conical passage.

2,457,068
ANTISKID CHAIN
Alfred Peterson, Wheaton, Ill.
Application April 16, 1947, Serial No. 741,843
4 Claims. (Cl. 152—237)



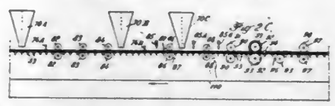
2. An anti-skid device for a wheel-mounted vehicle tire comprising a pair of side plates shaped to conform to opposed side walls of a tire section, cross chains secured to the plates and adapted to extend from plate to plate across the tread of the tire, a chain attached to the outer peripheral edge portion of each plate for contact with the roadway upon each rotation of the tire on which the device is mounted, and co-operating members each carried by one of the plates for securing the device to a wheel-mounted tire.

2,457,069
ALARM SYSTEM FOR HEAT EXCHANGE DEVICES
Herbert H. Rauh, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application February 5, 1945, Serial No. 576,290
6 Claims. (Cl. 177—311)



1. In a control system for a heat exchange device of the character described including a storage compartment and power operated means for circulating a fluid refrigerant to provide for cooling the compartment, in combination, a main circuit supplying power to said power operated means, a main switch in said circuit for controlling the flow of power therein, an electrically responsive means energized when said switch is closed, a signal circuit including a switch actuated by said means, said signal circuit including a third switch, means operable in response to temperature changes at the upper and lower limits of a predetermined temperature range within the storage compartment to actuate the main switch, and said means also operably constructed to respond to temperature changes above and below the upper and lower limits respectively of said predetermined temperature range and close the signal circuit through said third switch in response thereto.

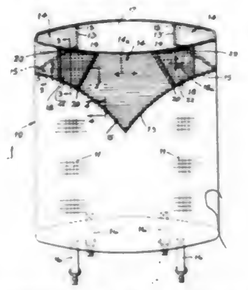
2,457,070
APPARATUS FOR MAKING BUILDING UNITS
John A. Scharwath, Montclair, N. J., assignor of one-third to Herman J. Scharwath, Union, N. J.
Application July 13, 1944, Serial No. 544,796
2 Claims. (Cl. 91—14)



1. In an apparatus for making building units, means for moving a plurality of separated prefabricated slabs in a plane in one general direction, means for passing the separated slabs through a liquid and drying said slabs, means for moving the slabs in the same general direction into abutting relation, and a plurality of longitudinally spaced instrumentalities positioned for successively acting upon the abutted moving slabs, said instrumentalities comprising means for depositing material on the upper surface of the slabs, means for compacting and shaping said material on the slabs, means for

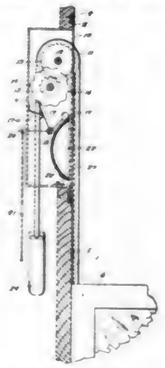
severing the deposited material on the lines of abutment between adjacent slabs, means for breaking the covered slabs apart at the lines of severance, and means for accelerating the movement of the slabs to separate the slabs from one another.

2,457,071
WAISTLINE CONTROL GARMENT
Louis Shulman, New York, N. Y.
Application July 10, 1946, Serial No. 682,565
2 Claims. (Cl. 2—43)



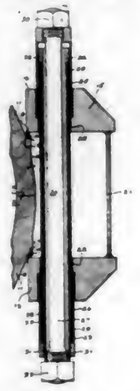
1. In an improved waistline control garment, a body engaging section having a top edge portion, garters mounted on the bottom of said body engaging section, a waistband proper of one way stretch elastic material stretchable horizontally and set into said top edge portion and stitched thereto along adjacent edges except at restricted areas located vertically above said garters, elastic pieces of one way stretch elastic material stretchable vertically and having top and bottom and side edges and being positioned upon said waistband proper at areas located vertically above said garters, said elastic pieces having their top and side edges stitched to the material of said waistband proper, and said elastic pieces having their bottom edges stitched to said restricted areas of the top edge portion of said body engaging section.

2,457,072
BURGLAR ALARM
Bernard W. Smith, Hartford, Conn.
Application October 25, 1946, Serial No. 705,746
5 Claims. (Cl. 116—90)



1. A burglar alarm for a window having a frame, a sash slidable in said frame, a cord running along the side of said frame and having an end secured to said sash; the said alarm comprising a casing secured to the side of and within said frame, a pulley rotatable in said casing and adapted to receive said cord, weighted means within the frame providing frictional engagement between said cord and pulley for rotation of said pulley upon movement of the sash, a cam wheel rotatable by said pulley, a bell, and a hammer operable upon rotation of said cam wheel for striking said bell to render an audible signal.

2,457,073
TURBINE CYLINDER JOINT
Kenneth R. Stearns, Springfield, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1946, Serial No. 708,334
3 Claims. (Cl. 189—36)



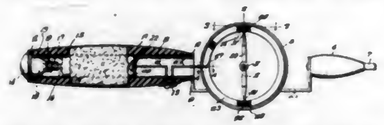
1. In a cylinder structure, a cylinder including halves having joint faces, such halves having oppositely-facing lugs at opposite sides of the joint, and clamping means bearing against the lugs causing the joint faces to engage under pressure; said clamping means comprising a plurality of clamps and each clamp including a pair of jaws having lug-engaging inner ends, a strut connecting the outer end portions of the jaws, said jaws having aligned openings between the strut and the inner ends thereof, first and second tension members extending through the aligned openings, said members each having one end thereof acting compressively on the respective jaws, a compression member extending through the openings and compressively engaging the other end of the second tension member, and a nut carried by the other end of the first tension member and compressively engaging the compression member.

2,457,074
PROPENYL ETHACOL
Oliver J. Weinkauff, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 6, 1945, Serial No. 597,951
1 Claim. (Cl. 260—613)

1-propenyl-2-hydroxy-3-ethoxy benzene.

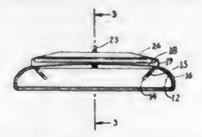
2,457,075
FISHING POLE
Thomas J. Williams, Gas City, Ind.
Application September 19, 1946, Serial No. 697,977
3 Claims. (Cl. 43—17)

1. The combination with a fishing pole having a handle, of a reel on the pole, a lens in the rear end of the handle, and means operative under control of said reel to intermittently illuminate said lens from within said handle when the reel is revolving, said means comprising an electric light in said handle, a contact ring fixed to the fishing pole and electrically connected to one side



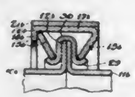
of the electric light with a battery in the line of connection, said ring having circumferentially spaced insulation inserts therein, and a conductive member revolved by said reel in wiping engagement with said ring and electrically connected to the other side of the electric light.

2,457,076
ABRASIVE TOOL
Merlyn G. Williams, Jr., Downers Grove, and Arthur Dahl, Chicago, Ill.
Application October 11, 1946, Serial No. 702,636
2 Claims. (Cl. 51—187)



2. An abrasive tool comprising a pad of rectangular plan having a flat bottom face, transverse end faces rising upwardly therefrom, and a top face substantially parallel to said bottom face, transverse slots intersecting the top face in proximity to said transverse end faces, a strip of abrasive encircling said bottom face and transverse end faces and having its end portions disposed in said slots, and means adapted to exert downward [redacted] portions of said abrasive strip immediately outside said slots to hold said strip taut including a clamping member having a bottom face overlapping said portions of the abrasive strip immediately outside said slots, said bottom face of the clamping member being concave throughout the area thereof intermediate portions engaged with the abrasive strip, and a central upright spindle connecting said pad and clamping member about which said pad may be horizontally turned toward and away from a position in engagement with said abrasive strip.

2,457,077
TUBE CLAMP
Theodore Alan Woolsey, Inglewood, Calif., assignor to Marman Products Co., Inc., a corporation of California
Application December 10, 1946, Serial No. 715,249
7 Claims. (Cl. 285—129)



1. Means for clamping together the abutting ends of tubular members, comprising a retainer ring including a rim portion and a shoulder projecting radially inwardly from at least one side thereof, a pair of frusto-conical compression rings extending inwardly and toward each other from the respective sides of said retainer ring, at least one of said compression rings floating between the retainer ring and a respective tubular member, the rim portion and shoulder of said retainer ring defining a corner in which the periphery of said floating compression ring is confined against movement relative to the retainer ring and adapted to tilt in response to compressive action thereagainst by the retainer ring, said compression rings functioning to resolve inwardly directed compressive forces into axial pressures applied to said tubular members so as to urge them toward each other, said tubular members having outwardly extending radial flanges and sealing ring having a channel portion receiving and embracing said flanges and axially projecting shoulder portions at the inner extremities of said channel portion, in which the inner peripheries of said compression rings are seated, the side walls of said channel portion being adapted to be pressed into sealing engagement with the outer surfaces of said two flanges by the axial pressures exerted thereagainst, and to thereby press said flanges into face to face engagement, whereby to effect a double seal.

2,457,078
METHOD FOR BROMINATING HETEROCYCLIC COMPOUNDS
Ferdinand B. Zienty, St. Louis, and Lucas P. Kyrides, Webster Groves, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 29, 1944, Serial No. 547,276
11 Claims. (Cl. 260—298)

1. The process of substituting bromine for hydrogen on an olefinic carbon atom in the ring structure of a 5-membered amino-substituted heterocyclic compound which contains in the ring structure at least 1 nitrogen atom, at least 1 atom of an element selected from the group consisting of sulfur and selenium, and a formation in the ring represented by



and which compound is stable in acidic aqueous solutions, comprising, heating said compound in water in the presence of an acid substantially to the boiling point of the mixture, adding bromine slowly to the mixture and recovering the brominated product from the reaction mixture.

2,457,079
STABILIZATION OF 2-THENYL CHLORIDE
Ferdinand B. Zienty, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 18, 1946, Serial No. 704,287
16 Claims. (Cl. 260—329)

1. A stable composition consisting of 2-thenyl chloride and a small portion of an amine of the formula type:



in which R represents a radical selected from the group consisting of hydrogen, alkyl, cycloalkyl, and aralkyl radicals, R_1 and R_2 each represent a radical selected from the group consisting of alkyl radicals containing at least 8 carbon atoms, cycloalkyl radicals containing at least 5 carbon atoms in their ring structure and aralkyl radicals.

2,457,080

STABILIZATION OF 2-THENYL CHLORIDE

Ferdinand B. Zienty, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 18, 1946, Serial No. 704,288
16 Claims. (Cl. 260—329)

1. A stable composition consisting of 2-thenyl chloride and a small portion of an amine selected from the group consisting of morpholinyl and piperidyl derivatives of the formula type:



in which A is a divalent residue selected from the group consisting of —O— and —CH_2— radicals, and R is a radical selected from the group consisting of alkyl radicals containing at least 12 carbon atoms, cycloalkyl radicals containing at least 5 carbon atoms and aralkyl radicals.

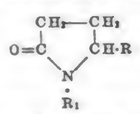
2,457,081

STABILIZATION OF 2-THENYL CHLORIDE

Ferdinand B. Zienty, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 18, 1946, Serial No. 704,289
16 Claims. (Cl. 260—329)

1. A stable composition consisting of 2-thenyl chloride and a small portion of an amine selected from the group consisting of pyrrolidones of the formula type:



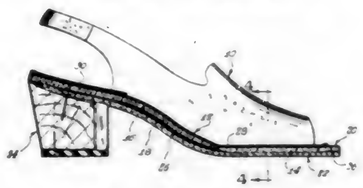
in which R represents a radical selected from the group consisting of hydrogen and alkyl radicals containing from 1 to 3 carbon atoms, and R_1 represents a radical selected from the group consisting of alkyl radicals containing at least 12 carbon atoms, cycloalkyl radicals containing at least 5 carbon atoms, and aralkyl radicals.

2,457,082

PLATFORM SHOE

William Michael Fennessy, Carlisle, Pa., assignor to Carlisle Shoe Company, Carlisle, Pa., a corporation of Pennsylvania

Application October 1, 1946, Serial No. 700,432
3 Claims. (Cl. 36—19.5)



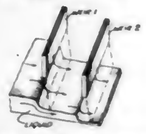
1. In a shoe having an upper, an insole, and a platform cover stitched together, a middle sole secured in position and encased by said platform cover, the latter having a top marginal edge portion positioned at the top of said middle sole and having a lower marginal edge portion folded inwardly over said middle sole at the bottom thereof, said upper having a marginal edge portion underlying the marginal edge portion of said insole, said marginal edge portion of the upper, said top edge portion of said platform cover and said stitching being disposed inwardly of the crease line of the shoe and lying substantially flatly against the upper surface of said middle sole and said middle sole having its upper surface abutting the under side of said insole, an outer sole, and means for securing said outer sole in position including a line of stitching through said platform cover, middle sole and outer sole at the outerside of the crease line of the shoe.

2,457,083

PROCESS FOR CONTROLLING THE FLOW OF METALLURGICAL LIQUIDS

James Fernando Jordan, Huntington Park, Calif.

Application June 27, 1947, Serial No. 757,580
6 Claims. (Cl. 75—93)



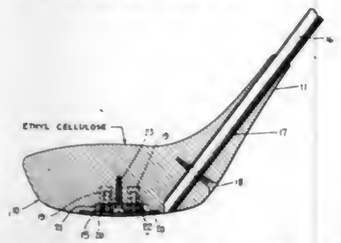
1. In the process of conducting a metallurgical liquid along a refractory trough, the method of controlling the rate of flow of said liquid along said trough, which comprises: jetting down into said flowing liquid, from an orifice that is positioned above the free surface of said liquid, a barrier of gas that forms an indentation in and across the flowing liquid stream, and thereby blocks the free flow of said liquid stream; and controlling the rate of flow of said liquid stream by regulating the pressure exerted by said barrier on said liquid stream in the range between zero and that pressure at which a boiling action ensues at the liquid-gas interface, by regulating the pressure at which the gas is supplied to said orifice.

2,457,084

GOLF CLUB HEAD

Edward P. Kearsley, Springfield, and Emil J. Marciniak, Easthampton, Mass., assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware

Application December 20, 1944, Serial No. 568,954
4 Claims. (Cl. 273—77)



1. In a golf club of the "wood" type, a head of molded ethyl cellulose.

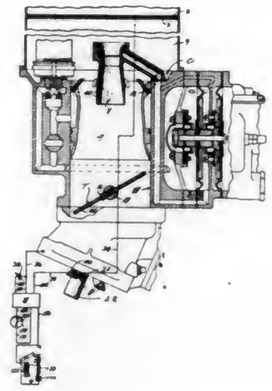
2,457,085

CARBURETOR ICE RESPONSIVE DEVICE

Waldo H. Kliever, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 23, 1943, Serial No. 499,653
4 Claims. (Cl. 177—311)

1. In a device of the class described, in combination, a carburetor having a metallic wall and a metallic venturi subject to the formation of ice, dielectric means spacing said venturi and said wall to comprise an electrical condenser whose



capacitance is varied by the presence and thickness of said ice, and means for making electrical connection to said condenser.

2,457,086

FLOOR

Pullan Mitchell, Linthorpe, and Uttley Ranson Mitchell, Guiseley, England

Application July 31, 1944, Serial No. 547,347
In Great Britain July 15, 1943
3 Claims. (Cl. 189—34)



1. A floor beam formed of unitary sheet material having a top flange, a bottom flange, a primary web connecting the top flange at one end to the bottom flange, a secondary web at the other end of said top flange, said primary web and said secondary web being joggled with a lower portion offset in relation to the upper portion, the joggle of said primary web adapted to interfit with the joggle of the secondary web of an adjoining beam of the same shape, loops provided in the primary and secondary webs below the joggles with their axes vertical, the loop on the primary web adapted to interfit the loop on the secondary web of an adjoining beam of the same shape, and the top flange having an opening above one of the loops whereby a cotter can be inserted vertically from above to engage a loop to secure adjoining webs together.

2,457,087

SEALING COMPOUNDS

John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

No Drawing. Application March 30, 1945, Serial No. 585,822
14 Claims. (Cl. 260—30.6)

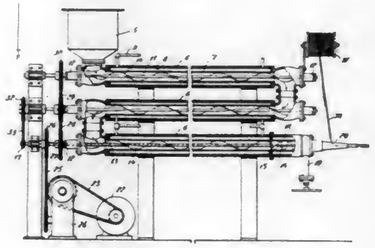
6. A compound for sealing mechanical joints comprising a gel of from about 4 to 16⅔ per cent of a substantially fully polymerized, thermosetting, reaction product of phenol-formaldehyde condensation dispersed in from about 96 to 83⅓ per cent of an oily liquid of low vapor pressure chosen from the group consisting of tri-o-cresyl phosphate, tri-octyl phosphate, and di-butyl phthalate; and a filler uniformly mixed with said gel.

2,457,088

METHOD FOR THE PRODUCTION OF CANDLES

Ernest F. Pinney, Glen Cove, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application September 26, 1945, Serial No. 618,767
2 Claims. (Cl. 18—55)



1. That method for the production of candles which comprises flowing a liquid candle stock melt into a chiller and advancing it therethrough while chilling it to a plastic condition, mixing and extruding the chilled plastic stock from said chiller through a candle rod forming die, disposing a wick in said stock prior to extrustion so that it will extend axially of the candle rod formed by extrusion, passing the candle rod through a first controlled cooling at a temperature of from about 15° F. to about 40° F. below the melting point of the stock, said first cooling step being of a duration of from about ½ to 1½ minutes and sufficient to permit adjustment of its internal structure to a substantially non-oriented crystal arrangement and then through a second cooling step to harden it to a point where it will withstand mechanical handling, and severing the continuously extruded rod into desired lengths.

2,457,089

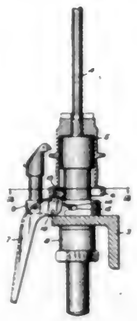
SPINDLE BRAKE MECHANISM

Lester W. Pray, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine

Application February 1, 1946, Serial No. 644,965
2 Claims. (Cl. 57—88)

1. In a spindle structure, the combination with a spindle blade, a whirl secured fast thereon and a base in which said blade is mounted for rotation, said whirl being provided with a downwardly

extending circular skirt of a lever fulcrumed on said base at the forward side of the spindle, said lever having an end portion positioned inside the



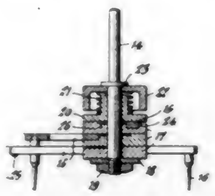
skirt of said whirl, and a brake shoe releasably interlocked with the end portion of said lever and positioned for engagement with the inner surface of said skirt to stop rotation of the spindle.

2,457,090

ATTACHMENT FOR DENTAL SURVEYING INSTRUMENTS

Charles J. Ringle and Roy W. Smith, Buffalo, N. Y., assignors to Williams Gold Refining Company, Inc., a corporation of New York

Application November 2, 1945, Serial No. 626,328
2 Claims. (Cl. 32—67)



1. In a dental instrument of the character described, a spindle, upper and lower abutments mounted in spaced relation on said spindle, a plurality of disks rotatably supported in juxtaposed relation on the spindle between said upper and lower abutments, a spring in bearing relation against one of said abutments and the opposing disk to maintain said several disks in frictional facial relation, and contact point bearing arms disposed between said disks for frictional longitudinal adjustment therebetween.

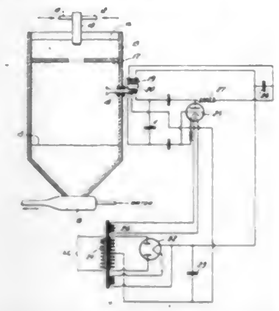
2,457,091

GELATION PROCESS INVOLVING SUPERSONIC TREATMENT

Carleton H. Schlesman, Allentown, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application April 9, 1947, Serial No. 740,297
5 Claims. (Cl. 252—317)

1. In a process of forming inorganic oxide hydrogels from inorganic oxide hydrosols capable of setting to hydrogels by forming a hydrosol and injecting said hydrosol into a water immiscible liquid as a plurality of globules, the improvement



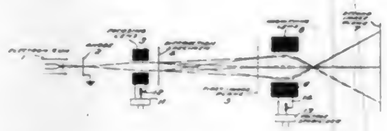
which comprises subjecting said liquid to supersonic vibrations during gelation of said hydrosol.

2,457,092

METHOD AND APPARATUS FOR PRODUCING ELECTRON DIFFRACTION SPECTRA

Gerald L. Simard, Stamford, and Charles R. Stryker, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application April 17, 1945, Serial No. 588,738
6 Claims. (Cl. 250—49.5)



1. A process of producing images of electron diffraction spectra form which crystal interplanar spacings can be measured which comprises producing an electron beam of predetermined convergent, divergent or parallel characteristics and of suitable wave length for diffraction spectral work, causing said beam to impinge on a sample, the electron diffraction spectrum of which is to be measured, subjecting the undiffracted beam and the divergent diffracted rays to electron optical magnification not exceeding 20 diameters and through a field stop sufficiently large to pass a large portion of an electron diffraction pattern to produce a magnified image of the diffracted rays on a predetermined plane.

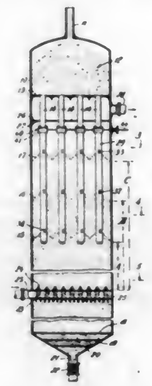
2,457,093

APPARATUS FOR CONVERSION OF HYDROCARBONS

Thomas P. Simpson and Louis P. Evans, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application August 3, 1943, Serial No. 497,178
5 Claims. (Cl. 23—288)

1. In a reactor for converting fluid reactants in the presence of a moving particle-form solid contact mass material, means defining a vertical reaction chamber, means to introduce fluid reactants thereinto located near one end thereof, means to remove reaction products located near the opposite end of the reaction chamber, a contact mass feed hopper located above said reaction chamber, at least one fixed contact mass feed pipe extending from said feed hopper into said reaction chamber, a plurality of orifices distributed along the length of said feed pipe and at different levels in said reaction chamber, orifice selecting means whereby orifices at one level may be held open while orifices at other levels are held closed to permit discharge of the con-



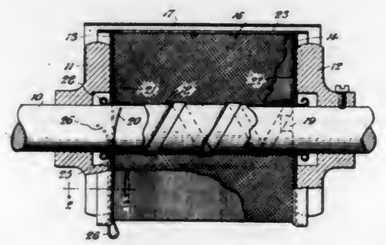
tact mass into the reaction chamber at any selected level, means to remove contact mass from the bottom or the reaction chamber, and control means thereover which may be adjusted in relation to the rate of contact mass feed to maintain the reaction chamber substantially filled with contact mass up to the selected level of contact mass feed.

2,457,094

METHOD OF PACKAGING WIRE

John H. Smith, Upper Darby, Pa., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey

Application February 24, 1945, Serial No. 579,654
15 Claims. (Cl. 29—148)



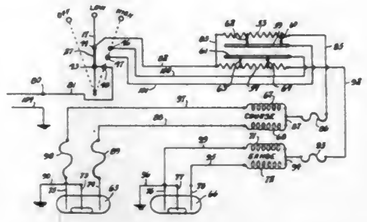
9. The method of packaging wire, which method comprises helically wrapping a lining material on a mandrel between end discs, connecting an end portion of a wire to the outer end of the helically wound lining, winding the wire over the lining to form a coil, continuing the winding of the coil until it acquires a predetermined diameter, applying a shell around the coil, connecting the shell to the end discs to complete the package and then removing the mandrel to leave the leading end of the helically wound lining accessible for pulling the lining and wire end out of the package when the wire is to be used.

2,457,095

RHEOSTAT WITH RECTILINEAR SLIDE

Fred P. Strother, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application December 26, 1944, Serial No. 569,693
7 Claims. (Cl. 201—48)



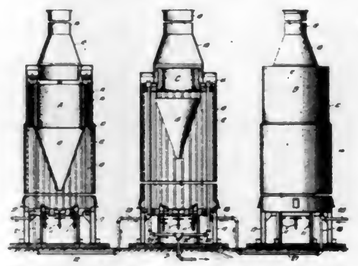
1. In a control: a resistance winding; a shorting bar; a plurality of contact members slidably mounted on said shorting bar for making movable connection with said winding; a multi-position switch; an input connection; an output connection; means connecting one end of said winding to said output connection; means, including said switch in one of its positions, for connecting said input connection to the other end of said winding; and means, including said switch in another of its said positions, for connecting said input connection to said shorting bar.

2,457,096

METHOD OF HEATING FLUIDS

Harry R. Swanson, Katonah, N. Y., assignor, by mesne assignments, to Petro-Chem Process Company Incorporated, New York, N. Y., a corporation of Delaware

Application March 20, 1943, Serial No. 479,923
2 Claims. (Cl. 196—66)

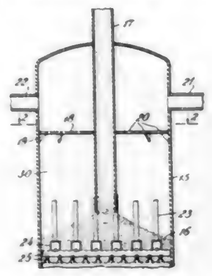


1. In the conversion of light hydrocarbons, the steps of heating a light oil in a first zone to a predetermined outlet temperature, heating separately in a second zone a normally gaseous fluid to a temperature different from that to which the fluid is heated in said first zone, then passing streams from said first and second zones separately into a third zone where the temperatures of the two streams are increased by a common heat source, combining said streams in the third zone and regulating the discharge temperature from said third zone by independently controlling the temperatures of the fluids passing from said first and second zones into said third zone.

2,457,097
POLYMERIC COMPOSITION AND METHOD OF MAKING SAME
Theodore A. Te Grotenhuis, Olmsted Falls, Ohio
No Drawing. Application October 21, 1944, Serial No. 559,848
14 Claims. (Cl. 260—29.7)

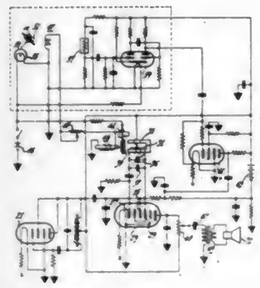
1. A latex comprising an aqueous dispersion of an unmasticated polymerization-cross-linked polymerization product of a liquid comprising butadiene and styrene as main polymerizable constituents and of a polymerization product having relatively few cross links and of a liquid comprising butadiene and styrene as main polymerizable ingredients, said polymerization-cross-linked product being relatively tough and having a high resistance to plastic flow compared to said polymerization product having relatively few cross links, the mass of said polymerization-cross-linked polymerization product being at least equal to the mass of said product having relatively few cross links, a substantial proportion of said product having relatively few cross links being relatively free of a continuous phase of relatively tough product, whereby upon mastication of the dried coagulum from said latex the polymerization product having relatively few cross links being more plastic than the cross-linked product coalesces into a matrix having particles of the relatively tough polymerization - cross - linked product distributed therethrough, said dried coagulum being vulcanizable to the resilient state generally characteristic of vulcanized soft rubber.

2,457,098
APPARATUS FOR CONDUCTING REACTIONS IN THE PRESENCE OF A CONTACT MASS
Ernest Utterback, Upper Darby, and Edward L. Sinclair, Philadelphia, Pa., and John A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 29, 1943, Serial No. 496,648
6 Claims. (Cl. 23—288)



1. In a reactor wherein gasiform hydrocarbons are contacted with a downwardly moving column of particle-form solid contact mass material, a substantially vertical reactor vessel having a substantially constant horizontal cross-sectional area along a major portion of its vertical length, conduit means adapted for substantially continuous introduction of contact material into said reactor extending downwardly into said reactor and extending vertically within said reactor a substantial distance within said major portion of the reactor length wherein the horizontal cross-sectional area is substantially constant, thereby providing within the upper section of said reactor above the lower extremity of said conduit means a substantially vertical straight gas disengaging space having a cross-sectional area for gas flow along its entire length substantially equal to the total cross-sectional area of that portion of said reactor which is below the lower extremity of said conduit means and which is occupied by a substantially compact column of said contact material, an outlet for hydrocarbons spaced substantially above the lower extremity of said conduit means, and between the level of said outlet and said disengaging space baffle means across said reactor defining the upper extremity of said disengaging space and adapted to provide a plurality of apertures substantially uniformly distributed with respect to the cross-sectional area of the reactor, said apertures having a total gas passage area sufficiently restricted to cause a substantial pressure differential between said disengaging space and said outlet.

2,457,099
ELECTRONIC READING AID FOR THE BLIND
Vladimir K. Zworykin and Leslie E. Flory, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 8, 1946, Serial No. 675,506
7 Claims. (Cl. 250—41.5)

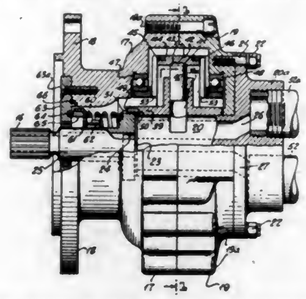


1. In a reading aid having a variable frequency oscillator and a light source for scanning a line of printed matter, the combination of an intermittent contact vibrator having a vibratable armature, a reactance element which controls the frequency of operation of said oscillator, means including said armature for varying the reactance of said element in accordance with the movement of said armature to thereby modulate the frequency of said oscillator, and means controlled by said vibrator for moving a beam of light from said source so as to scan said line of printed matter in synchronism with the modulation of the frequency of said oscillator.

2,457,100
HYDRAULIC MOTOR WITH ROTATING RADIAL CYLINDER BLOCK AND RECIPROCATING PISTONS REACTING AGAINST OUTSIDE ANNULAR GROOVED CAM
Roger F. Horton, Hempstead, N. Y.
Application November 11, 1944, Serial No. 562,947
24 Claims. (Cl. 121—61)

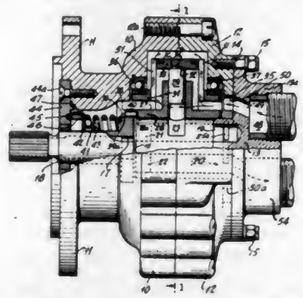
3. In a radial power converter, a rotatable cylinder block having a number of radial cylinders and pistons in said cylinders respectively, and a rotatable track ring engaged by said pistons, the heads of said pistons being spherical with the outermost extremities thereof removed to provide a spherical segment and said track ring having a circumferential groove in which said pistons travel and adapted to contact the spherical surfaces of said spherical segments.

4. In a radial motor, a casing, a pintle mounted centrally in the casing and having a port to receive low pressure propulsion fluid for discharge



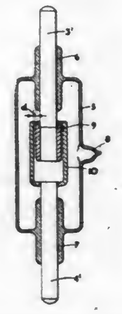
from the motor, and a conduit extending through the casing wall and communicating between the interior of the casing and said port.

2,457,101
HYDRAULIC PUMP
Roger F. Horton, Hempstead, N. Y.
Application February 28, 1945, Serial No. 580,142
8 Claims. (Cl. 103—161)



1. In a radial pump, a casing, a pintle mounted centrally in the casing, and a rotor assembly rotatable in said casing around said pintle including a radial cylinder block, a track ring, means for supporting the track ring comprising members positioned on opposite sides of the rotor each having an annular, radially extending disk-like portion and a hub portion, said casing having bearings to receive said hubs respectively, said disk-like portions having their outer peripheries in interengagement with the sides of the track ring respectively, said pintle having two axially extending bores and two circumferentially spaced ports communicating between said bores respectively and the interior of said cylinder block, and having a third port communicating with one of said bores, and spaced axially of the pintle from said other ports, a conduit extending through the casing wall and communicating between the interior of the casing and said third port, means for delivering low pressure fluid into said casing, means for acting on the fluid within the casing to increase its rate of flow from within the casing to the interior of the cylinder block, said means comprising cut outs in said disk-like portions extending radially of said portions and open at the outer periphery of said portions forming slots adapted to be filled with fluid within the casing and to discharge it under centrifugal force, and conduit means adapted to register with one of the said pintle bores to receive high pressure fluid from the pump.

2,457,102
SPARK GAP
Frank Llewellyn Jones, Millbank, London, England, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England
Application March 27, 1945, Serial No. 585,165
In Great Britain February 17, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 4, 1962
2 Claims. (Cl. 315—56)



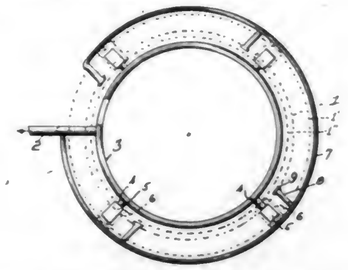
1. A spark gap device comprising electrodes, arranged in parallel spaced relationship such that a substantially uniform electric field is creatable between them, made of materials having thermionic work functions greater than 4.0 electron volts, at least one electrode surface having deposited thereon an oxide of the material of the electrode to enable the gap to operate at a high sparking rate, the electrodes being rigidly mounted and spaced apart a distance greater than approximately 0.2 mm. within a sealed envelope filled with nitrogen at a pressure of between 50 and 100 cm. mercury at 15° C.

2,457,103
FIRE HAZARD AND SAFETY DEVICE FOR AIRPLANES
Nazaire Lacrotte, Paris, France; Le Directeur des Domaines, temporary (provisional) executor or administrator of the estate of said Lacrotte, deceased
Application April 25, 1938, Serial No. 204,097
In Luxemburg April 26, 1937
Section 3, Public Law 690, August 8, 1946
Patent expires April 26, 1957
6 Claims. (Cl. 244—1)



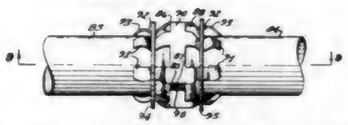
1. A safety device for aeroplanes, comprising in combination with an aeroplane body; a movable cockpit, means pivotally connecting said cockpit with the aeroplane body, a seat means connected with said seat and said cockpit for suspending said seat from the roof of said cockpit, a telescopic buffer connected with said aeroplane body and the second-mentioned means, another telescopic buffer situated at the front of the aeroplane body, and means connecting the second-mentioned buffer with said seat.

2,457,104
SUCTION APPARATUS FOR KNITTING MACHINES
David Pelton Moore, Roslyn, N. Y., assignor to Godfrey Bloch, Incorporated, a corporation of Delaware
Application June 22, 1946, Serial No. 678,588
5 Claims. (Cl. 66—9)



1. The combination with a rotary cylinder knitting machine, and a fiber feeding machine having a needle feeding brush for wiping short loose fibers into the needles in transit, of air suction means for carrying away any flying fibers from the rotary brush of the fiber feeding machine, and suction means for drawing the free ends of the needle held fibers to the outer sides of the shanks of the needles.

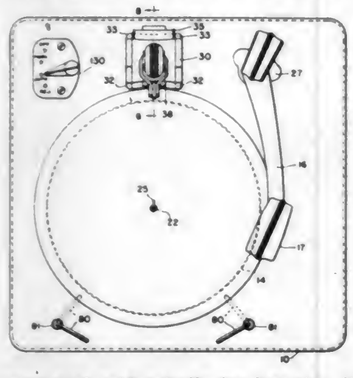
2,457,105
COUPLING
Charles E. Patterson, Los Angeles, Calif.
Application December 20, 1944, Serial No. 569,007
8 Claims. (Cl. 285—163)



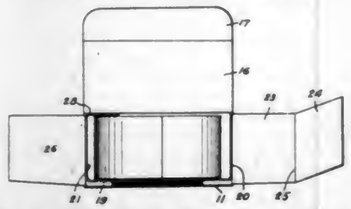
1. In connecting means, telescoping, tubular conduit elements; a resilient, deformable ring between the elements, the elements being dimensioned to frictionally engage the ring means as the elements are slid together, deforming the ring means during such sliding connection to place the ring under compression, a band around overlapping parts of the elements and inter-engaging with the elements and holding same together, the band having resilient fingers projecting in opposite directions and providing recesses peripherally and rigid ring means surrounding the band and disposed in the recesses and clamping the band in its element engaging position.

2,457,106
PHONOGRAPH APPARATUS
Jackson H. Pressley, Marion, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application January 24, 1944, Serial No. 519,430
16 Claims. (Cl. 274—10)

1. An automatic phonograph comprising a turntable, a spindle centered with respect to said turntable and including a shoulder adapted to engage the lowermost record of a record stack adjacent its centering aperture, a first peripheral record-supporting means including shelves movable for engaging the peripheral edge portions of either a small or a large record in said stack, a second peripheral record-supporting means disposed adjacent said turntable and opposite said first peripheral record-supporting means and pivotally mounted for movement under or away from the peripheral edge of said lowermost record, means for driving said phonograph, cam means operatively associated with said driving means and said spindle for elevating it, cam means operatively associated with said driving means and said second peripheral record-supporting means for rotating it into supporting relation with said lowermost record after said spindle is elevated, cam means operatively associated with said driving means and said spindle for lowering it after said second peripheral record-supporting means is operated, record-moving means operatively associated with said driving means and said movable shelves for moving them toward or away from said spindle to move a record to such a position that its centering aperture is in alignment with said spindle and to release a record and cam means operatively associated with said driving means for returning said second peripheral record-supporting means to its original position simultaneously with movement of said shelves away from said spindle to drop said record to the turntable.



2,457,107
DISPENSING CONTAINER
Stanley Verner, Montreal, Quebec, Canada
Application February 24, 1945, Serial No. 579,585
In Canada November 30, 1944
2 Claims. (Cl. 229—27)

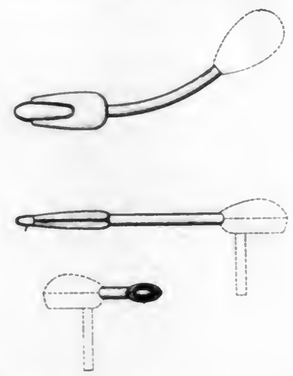


1. In a container of the character described for housing a supply of gummed paper and formed from a single sheet of material, the combination of integral front, back, side, and bottom walls, a pocket in said container, said pocket comprising an auxiliary wall integral with the bottom edge of said front wall, and connected thereto by a folded edge and slightly spaced inwardly therefrom, a pair of opposite auxiliary flaps extending from said auxiliary wall, said auxiliary flaps overlying the inner surfaces of said side walls.

DESIGNS

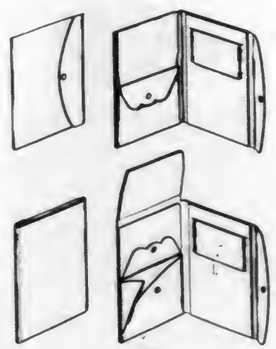
DECEMBER 21, 1948

152,133
DESIGN FOR A TONE ARM
Lloyd J. Andres, Itasca, Ill., assignor to Fidelitone Incorporated, Chicago, Ill., a corporation of Illinois
Application April 23, 1947, Serial No. 138,569
Term of patent 14 years
(Cl. D26—14)



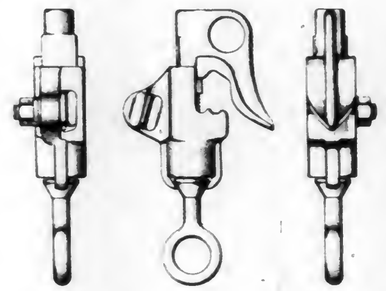
The ornamental design for a tone arm, substantially as shown and described.

152,134
DESIGN FOR A COMBINED BILLFOLD, PURSE, AND MEMORANDUM PAD HOLDER
Howard A. Bauman, West Bend, Wis., assignor to Enger-Kress Company, West Bend, Wis., a corporation of Wisconsin
Application September 20, 1947, Serial No. 141,506
Term of patent 3½ years
(Cl. D87—3)



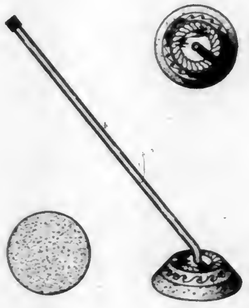
The ornamental design for a combined billfold, purse, and memorandum pad holder, as shown.

152,135
DESIGN FOR A HOT LINE TAP
Stephen P. Becker, Poughkeepsie, N. Y.
Application March 23, 1946, Serial No. 127,881
Term of patent 7 years
(Cl. D26—1)



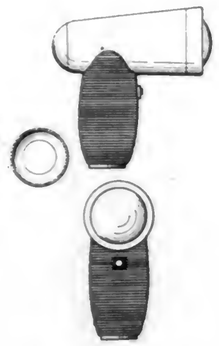
The ornamental design for a hot line tap, as shown.

152,136
DESIGN FOR A WASHING DEVICE OR SIMILAR ARTICLE
James D. Berry, Los Angeles, Calif.
Application June 7, 1948, Serial No. 146,799
Term of patent 14 years
(Cl. D9—2)



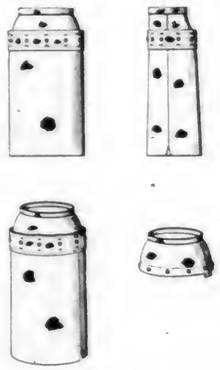
The ornamental design for a washing device or similar article, substantially as shown.

152,137
DESIGN FOR A FLASHLIGHT OR SIMILAR ARTICLE
Sidney Bersudsky, Sidney, Nova Scotia, Canada
Application June 3, 1947, Serial No. 139,425
Term of patent 7 years
(Cl. D48—25)



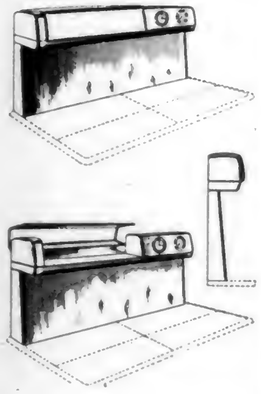
The ornamental design for a flash light or similar article, substantially as shown.

152,138
DESIGN FOR A SKIRT ENSEMBLE OR SIMILAR ARTICLE OF WEARING APPAREL
Oscar H. Cohen, Brighton, Mass., assignor to Century Sportswear Co., Inc., Boston, Mass., a corporation of Massachusetts
Application May 12, 1948, Serial No. 146,326
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a skirt ensemble or similar article of wearing apparel, substantially as shown and described.

152,139
DESIGN FOR A COMBINED TOP, BACK GUARD PANEL, TIMER, AND UTILITY COMPARTMENT FOR A COOKING RANGE
Laird F. Covey, Stamford, Conn., assignor to Boston Stove Foundry Company, Reading, Mass., a corporation of Massachusetts
Application February 6, 1948, Serial No. 144,335
Term of patent 14 years
(Cl. D81—25)



The ornamental design for a combined top, back guard panel, timer, and utility compartment for a cooking range, as shown and described.

152,140
DESIGN FOR A CARGO CONTAINER
Marion B. Crawford, Western Springs, and Edwin C. Mitchell, Oak Park, Ill., assignors to United Air Lines, Inc., Chicago, Ill., a corporation of Delaware
Application March 20, 1946, Serial No. 127,714
Term of patent 7 years
(Cl. D58—4)



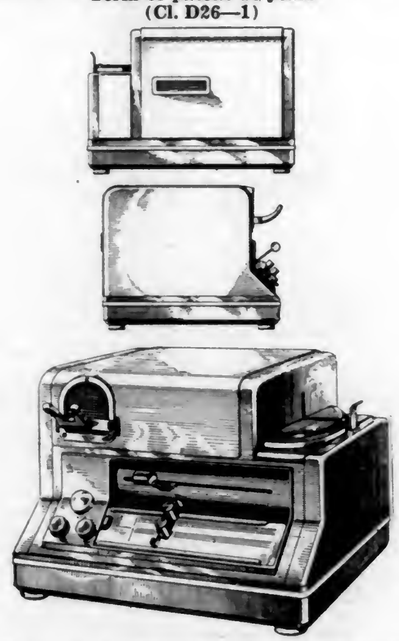
The ornamental design for a cargo container, substantially as shown.

152,141
DESIGN FOR A CARGO CONTAINER
Marion B. Crawford, Western Springs, and Edwin C. Mitchell, Oak Park, Ill., assignors to United Air Lines, Inc., Chicago, Ill., a corporation of Delaware
Application March 20, 1946, Serial No. 127,715
Term of patent 7 years
(Cl. D58—4)



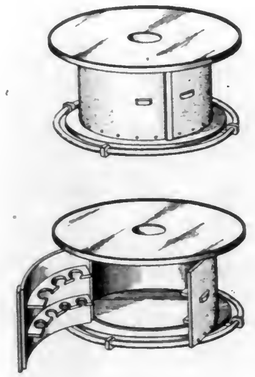
The ornamental design for a cargo container, substantially as shown.

152,142
DESIGN FOR A DICTATING MACHINE
Charles W. Dann, Malden, Mass., and Gustav F. Braun, Elizabeth, and Richard M. Somers, West Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application November 18, 1947, Serial No. 142,616
Term of patent 14 years
(Cl. D26—1)



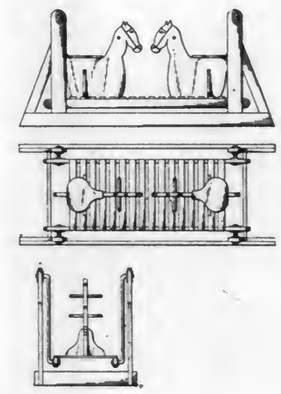
The ornamental design for a dictating machine, substantially as shown.

152,143
DESIGN FOR A COMBINATION COFFEE TABLE AND BAR
Gordon Douglas, Los Angeles, Calif.
Application June 29, 1946, Serial No. 131,160
Term of patent 14 years
(Cl. D33—19)



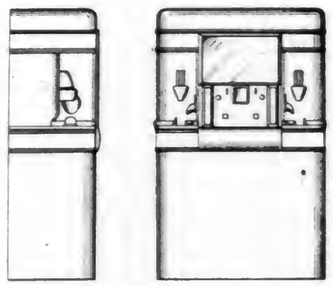
The ornamental design for a combination coffee table and bar, as shown.

152,144
DESIGN FOR A GLIDER SWING
Matthew L. Drewniak, Buffalo, N. Y.
Application April 15, 1946, Serial No. 128,611
Term of patent 7 years
(Cl. D15—11)



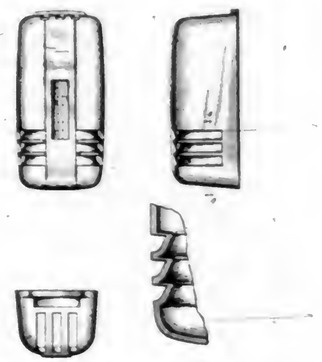
The ornamental design for a glider swing, substantially as shown.

152,145
DESIGN FOR A DRINK VENDING MACHINE
William J. During, Fayetteville, and John J. Punke, Dewitt, N. Y., assignors to C. C. Bradley & Son, Inc., Syracuse, N. Y., a corporation of New York
Application November 15, 1946, Serial No. 134,810
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a drink vending machine, substantially as shown.

152,146
DESIGN FOR A THERMOSTAT COVER
Joseph G. Eldridge, Spring Valley, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 13, 1947, Serial No. 137,588
Term of patent 7 years
(Cl. D52—7)



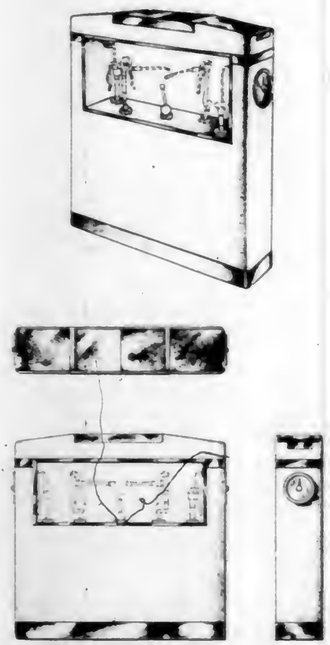
The ornamental design for a thermostat cover, substantially as shown and described.

152,147
DESIGN FOR A WATCH BAND CLIP
George M. Ellesson, Bridal Veil, Oreg., assignor to G. M. Ellesson Company, Chicago, Ill., a corporation of Illinois
Application March 17, 1948, Serial No. 145,179
Term of patent 14 years
(Cl. D45—4)



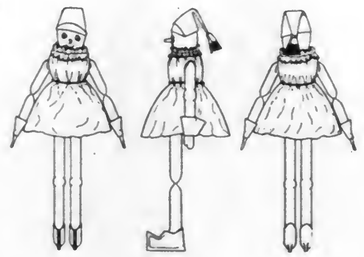
The ornamental design for a watch band clip, substantially as shown.

152,148
DESIGN FOR A CABINET FOR LUBRICATING EQUIPMENT
Richard P. Field, Cincinnati, Ohio, assignor to Balcrank, Inc., Disney, near Marburg, Cincinnati, Ohio, a corporation of Ohio
Application January 14, 1947, Serial No. 136,143
Term of patent 7 years
(Cl. D52—2)



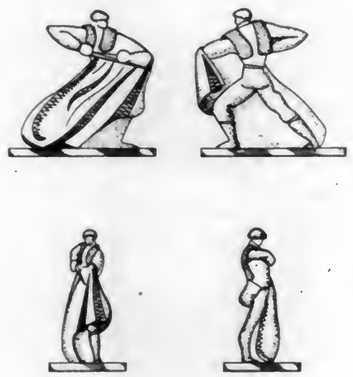
The ornamental design for a cabinet for lubricating equipment, substantially as shown and described.

152,149
DESIGN FOR A DOLL
Alex Fine, St. Paul, Minn., assignor to Stuart Inc., St. Paul, Minn., a corporation of Minnesota
Application February 6, 1947, Serial No. 136,730
Term of patent 14 years
(Cl. D34—4)



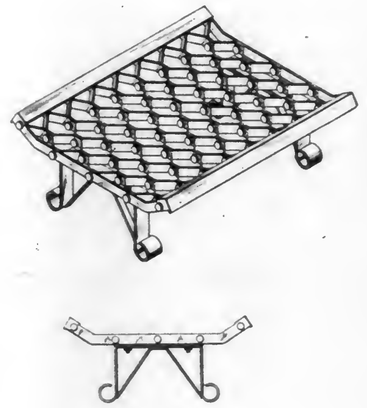
The ornamental design for a doll, as shown.

152,150
DESIGN FOR A TOY FIGURE
Marvin Glass, Chicago, Ill.
Application August 1, 1946, Serial No. 132,166
Term of patent 3½ years
(Cl. D34—15)



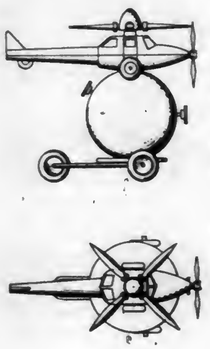
The ornamental design for a toy figure, as shown.

152,151
DESIGN FOR A FIRE GRATE
Fred W. Goodwin, Berkeley, Calif.
Application December 31, 1946, Serial No. 135,857
Term of patent 14 years
(Cl. D81—18)



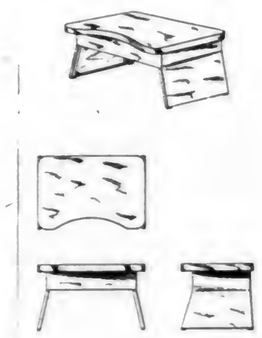
The design for a fire grate, substantially as shown.

152,152
DESIGN FOR AN AIRPLANE TOY
Andrew Halvas, Astoria, N. Y.
Application August 2, 1946, Serial No. 132,243
Term of patent 3½ years
(Cl. D34—15)



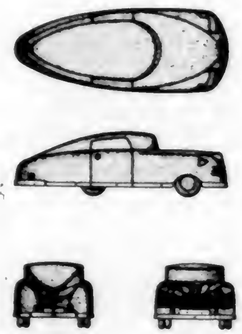
The ornamental design for an airplane toy, as shown.

152,153
DESIGN FOR A STEP
Norman J. Harvey, Bellevue, Nebr.
Application May 1, 1946, Serial No. 129,169
Term of patent 14 years
(Cl. D15—8)



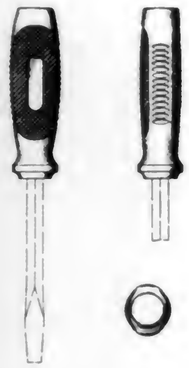
The ornamental design for a step, as shown.

152,154
DESIGN FOR A TOY AUTOMOBILE
William Edward Hoffmann, St. Louis, Mo., assignor to Timely Toys, Inc., St. Louis, Mo., a corporation of Missouri
Application October 28, 1946, Serial No. 134,350
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy automobile, substantially as shown.

152,155
DESIGN FOR A SCREW DRIVER
Sydney Jacoff, Kew Gardens, N. Y.
Application August 14, 1947, Serial No. 140,862
Term of patent 14 years
(Cl. D93—4)



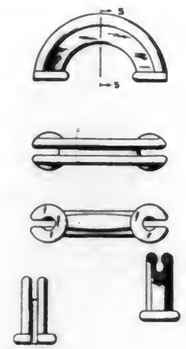
The ornamental design for a screw driver, as shown and described.

152,156
DESIGN FOR A RADIO RECEIVER CABINET
Albert L. Jenks, Dixon, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application August 23, 1947, Serial No. 141,026
Term of patent 7 years
(Cl. D56—4)



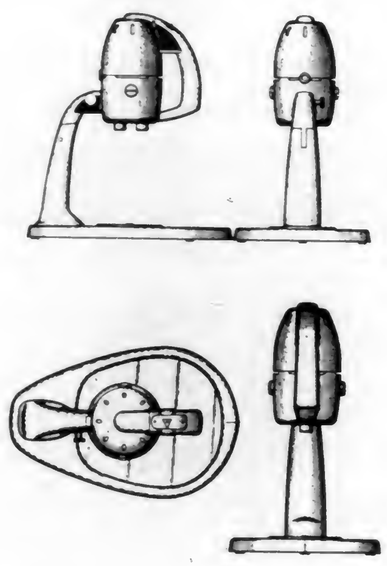
The ornamental design for a radio receiver cabinet, substantially as shown and described.

152,157
DESIGN FOR A HAND PROTECTING GRIP
Llewellyn T. Jones, Akron, Ohio
Application November 6, 1946, Serial No. 134,547
Term of patent 3½ years
(Cl. D17—5)



The ornamental design for a hand protecting grip, as shown.

152,158
DESIGN FOR A FOOD MIXER
Clarence Karstadt, Glen Ellyn, Ill.
Application January 11, 1947, Serial No. 136,095
Term of patent 14 years
(Cl. D44—1)



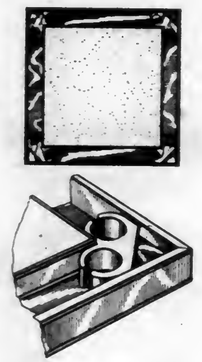
The ornamental design for a food mixer, as shown.

152,159
DESIGN FOR A PITCHER
Robert J. Kemper, San Carlos, Calif.
Application November 12, 1946, Serial No. 134,724
Term of patent 14 years
(Cl. D44—21)



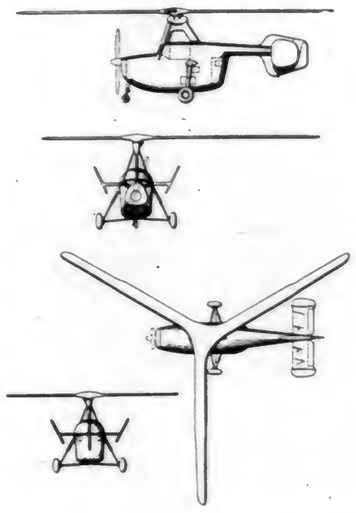
The ornamental design for a pitcher, as shown.

152,160
DESIGN FOR A GAME TABLE TOP
Joseph Klotz, Chicago, Ill., assignor to Mason-Williams Company, Chicago, Ill., a corporation of Illinois
Application June 21, 1947, Serial No. 139,858
Term of patent 14 years
(Cl. D33—14)



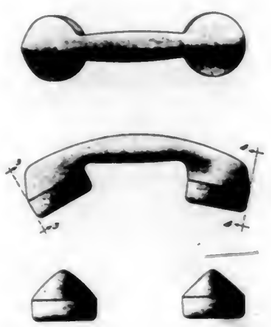
The ornamental design for a game table top, as shown.

152,161
DESIGN FOR A ROTARY WINGED AIRCRAFT
Frederick J. Knack, New York, N. Y., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application May 25, 1946, Serial No. 130,063
Term of patent 14 years
(Cl. D71—1)



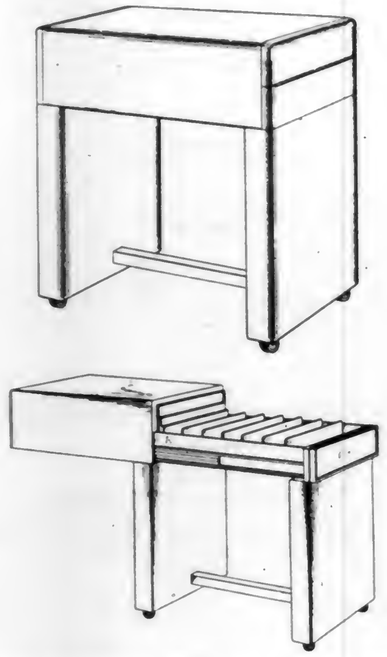
The ornamental design for a rotary winged aircraft, as shown and described.

152,162
DESIGN FOR A TELEPHONE HAND SET
Louis Kniep, Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 24, 1947, Serial No. 137,830
Term of patent 14 years
(Cl. D26—14)



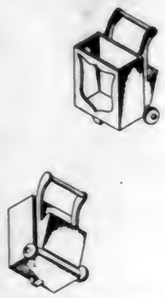
The ornamental design for a telephone hand set, substantially as shown.

152,163
DESIGN FOR A RECORD FILE
George H. Kress, Johnson City, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 31, 1947, Serial No. 136,605
Term of patent 14 years
(Cl. D33—19)



The ornamental design for a record file, as shown and described.

152,164
DESIGN FOR A COMBINATION CIGARETTE AND MATCH CONTAINER
Henry E. Larsen, Hollywood, Calif.
Application September 29, 1947, Serial No. 141,639
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a combination cigarette and match container, substantially as shown.

152,165
DESIGN FOR A WHIRLING TOY
John Merrico, Amelia, Ohio
Application January 21, 1947, Serial No. 136,268
Term of patent 14 years
(Cl. D34—15)



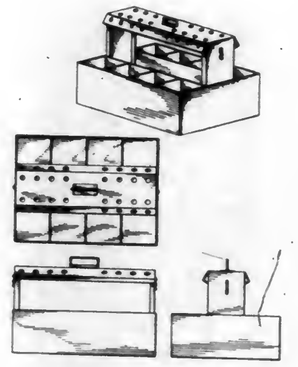
The ornamental design for a whirling toy, as shown and described.

152,166
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Minger, Manhattan Beach, Calif., assignor to Mabs, Inc., Los Angeles, Calif., a corporation of California
Application November 6, 1947, Serial No. 142,341
Term of patent 3½ years
(Cl. D92—1)



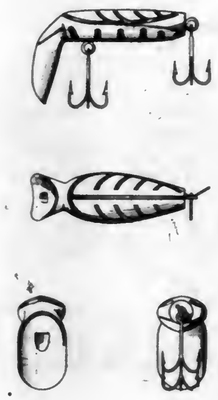
The ornamental design for a textile fabric or similar article, substantially as shown and described.

152,167
DESIGN FOR A PARTS BOX
Gerald C. Montague, Urbana, Ohio
Application June 24, 1946, Serial No. 130,969
Term of patent 14 years
(Cl. D58—13)



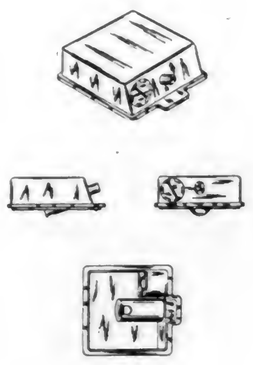
The ornamental design for a parts box, substantially as shown.

152,168
DESIGN FOR A FISH LURE
Berlee M. Potter, El Dorado, Kans.
Application June 6, 1946, Serial No. 130,471
Term of patent 14 years
(Cl. D31—4)



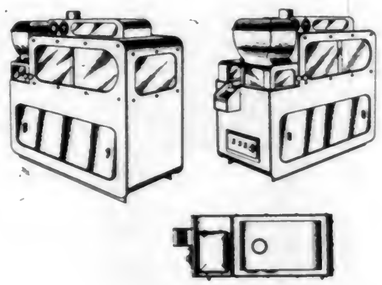
The ornamental design for a fish lure, as shown.

152,169
DESIGN FOR A STORAGE BATTERY COVER
Robert M. Raney, Euclid, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application September 25, 1946, Serial No. 133,566
Term of patent 14 years
(Cl. D26—6)



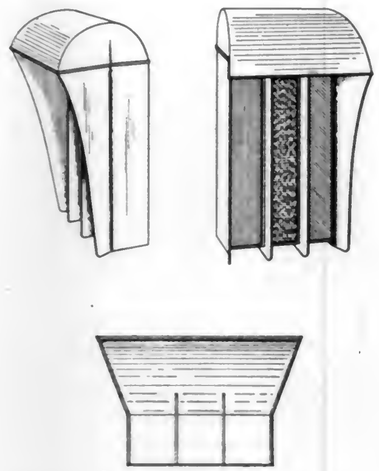
The ornamental design for a storage battery cover, substantially as shown.

152,170
DESIGN FOR AN AUTOMATIC DOUGHNUT MACHINE
Ernest J. Roth, Rockleigh, N. J., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application June 10, 1947, Serial No. 139,558
Term of patent 14 years
(Cl. D81—10)



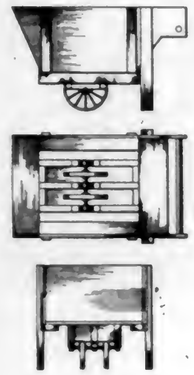
The ornamental design for an automatic doughnut machine, as shown and described.

152,171
DESIGN FOR A TRAFFIC SIGNAL OR SIMILAR ARTICLE
Peyton R. Russell, Beaver, Pa.
Application September 4, 1946, Serial No. 133,054
Term of patent 14 years
(Cl. D72—1)



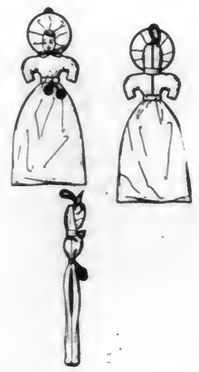
The ornamental design for a traffic signal or similar article, as shown.

152,172
DESIGN FOR A WHEELBARROW
Lee H. Ryder, Dover, N. H.
Application September 9, 1947, Serial No. 141,280
Term of patent 7 years
(Cl. D14—3)



The ornamental design for a wheelbarrow, as shown.

152,173
DESIGN FOR A LAUNDRY BAG OR THE LIKE
William Seidler, New York, N. Y.
Application November 10, 1947, Serial No. 142,422
Term of patent 3½ years
(Cl. D58—2)



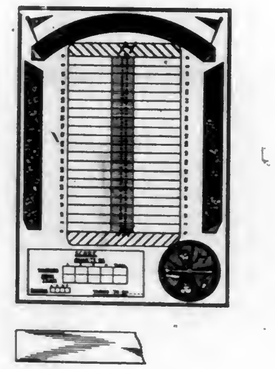
The ornamental design for a laundry bag or the like, as shown.

152,174
DESIGN FOR A GAME BOARD
Max H. Silverman, New York, N. Y.
Application February 27, 1947, Serial No. 137,199
Term of patent 3½ years
(Cl. D34—5)



The ornamental design for a game board, as shown and described.

152,175
DESIGN FOR A GAME BOARD
Max H. Silverman, New York, N. Y.
Application February 27, 1947, Serial No. 137,200
Term of patent 3½ years
(Cl. D34—5)



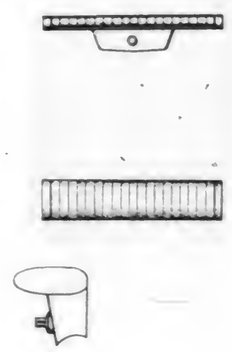
The ornamental design for a game board, as shown and described.

152,176
DESIGN FOR A FISH LURE
Alexander Sisco, Bronson, Mich., assignor to Shurebite Inc., Bronson, Mich., a corporation of Michigan
Application May 31, 1946, Serial No. 130,298
Term of patent 14 years
(Cl. D31—4)



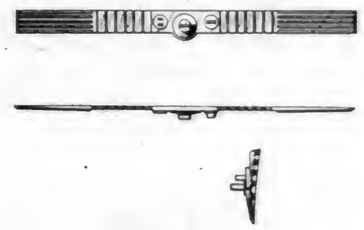
The ornamental design for a fish lure, as shown.

152,177
DESIGN FOR AN ACCESSORY LAMP FOR A COOK STOVE
Bertrand N. Trombley, Birmingham, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 28, 1946, Serial No. 128,030
Term of patent 7 years
(Cl. D81—25)



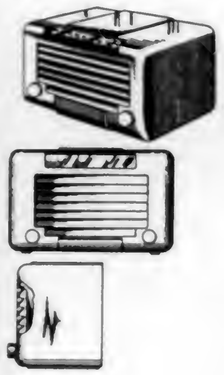
The ornamental design for an accessory lamp for a cook stove, substantially as shown.

152,178
DESIGN FOR A SPLASH BACK TRIM FOR A STOVE
Bertrand N. Trombley, Birmingham, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 28, 1946, Serial No. 128,031
Term of patent 7 years
(Cl. D81—25)



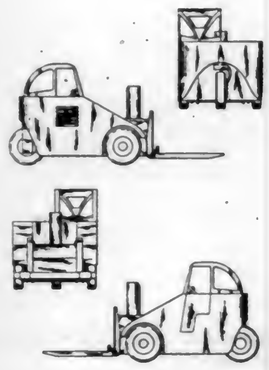
The ornamental design for a splash back trim for a stove, substantially as shown.

152,179
DESIGN FOR A RADIO CABINET
Earl M. Valley, Englewood, Ohio
Application May 3, 1946, Serial No. 129,289
Term of patent 3½ years
(Cl. D56—4)

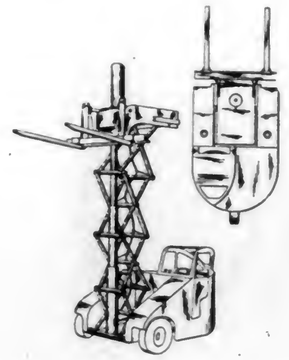


The ornamental design for a radio cabinet, substantially as shown.

152,180
DESIGN FOR A LIFT TRUCK
Elmer A. Wagner, Portland, Oreg.
Application June 21, 1947, Serial No. 139,865
Term of patent 14 years
(Cl. D14—3)

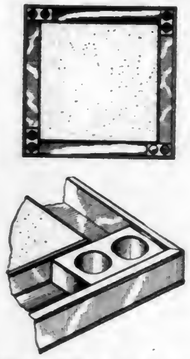


152,180—Continued



The ornamental design for a lift truck, substantially as shown.

152,181
DESIGN FOR A GAME TABLE TOP
Michael M. Warner, Winnetka, Ill., assignor to Mason-Williams Company, Chicago, Ill., a corporation of Illinois
Application June 28, 1947, Serial No. 139,988
Term of patent 14 years
(Cl. D33—14)



The ornamental design fora game table top, as shown.

December 28, 1948 Volume 617 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

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Trade-Marks	72	No. 441,670 to No.	441,741, inclusive
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T. M. Renewals	47		
Reissues	1	No. 23,067	
Plant Patents	2	No. 816 to No.	817, inclusive
Patents	689	No. 2,457,108 to No.	2,457,796, inclusive
Designs	53	No. 152,182 to No.	152,234, inclusive
Total	1,057		

Patents expiring: Patent Numbers 1,838,079 to 1,839,189, inclusive, issued December 29, 1931, expire December 29, 1948

Condition of Applications Under Examination at Close of Business Dec. 10, 1948

Total number of patent applications awaiting action, 153,961. Date of oldest new application, December 3, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	6-26-47	5-15-47	2835
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-19-47	11-19-46	2930
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	3-23-48	3-12-48	1261
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	4-11-47	3-12-47	4124
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	7-5-47	1-4-47	1670
6. SURLE, H., Carbon Chemistry (part)	2-11-48	11-12-47	1898
7. HANLIN, GEORGE, Optics; Photographic Apparatus	3-12-48	12-16-47	1669
8. LEWIS, R. O., (Acting), Furniture; Racks and Cabinets	4-16-47	1-17-47	4484
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-10-47	2-24-47	2463
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	3-22-48	1-27-48	1546
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	1-3-48	3-29-48	813
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	12-30-47 12-3-46	10-5-46 12-18-46	2242 2424
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	2-16-48	12-3-47	1343
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	8-4-47	6-12-47	2018
15. HENKIN, B. Plastics; Plastic Block and Earthenware Apparatus; Glass	3-16-48	8-28-47	1610
16. LOVEWELL, N. N., Television; Telephony	5-28-47	11-8-46	2130
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	8-27-47	12-19-46	2102
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	12-29-47	3-17-47	1859
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	4-25-47	3-12-47	2068
20. BROWN, L. M., Miscellaneous Hardware; Closure Fastners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	12-20-47	10-22-47	1246
21. MADER, R. C., Textiles	1-23-47	4-17-47	1727
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	1-7-48	12-21-46	1172
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	11-14-47	10-10-47	2804
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	3-12-48	4-18-47	1753
25 BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	7-12-47	3-7-47	1298
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	7-31-47	2-7-47	3677
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	11-25-47	11-24-47	931
28. BRAUNER, R. H., (Acting), Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	4-7-47	4-17-47	3199
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	2-20-48	1-5-48	1109
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	4-2-48	4-1-48	2092
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-14-47	11-5-46	3205
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	4-10-47	1-9-47	3637
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	8-11-47	1-17-47	1414
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	7-21-47	12-31-46	3459
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	1-3-47	11-13-46	2021
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	3-8-48	5-16-47	1379
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	9-9-47	7-15-47	1661
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	8-11-47	10-2-46	3096
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	2-6-48	3-3-47	3279
40. DRUMMOND, E. J., Receptacles (part); Packages	2-2-48	11-15-46	2289
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-23-48	3-17-48	1185
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	3-20-48	1-21-48	1206
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	12-19-46	10-15-46	1025
44. HARVEY, L. P., Refrigeration; Preserving	6-25-47	11-22-46	2549
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	8-7-47	1-9-47	1866
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.			

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,961. Date of oldest new application, December 3, 1946; date of oldest amended application, April 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	2-24-48	9-4-47	2189
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	3-16-48	7-1-47	1478
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	10-24-47	10-3-47	1538
50. LEVIN, SAMUEL. Synthetic Resins	3-18-48	12-1-47	2147
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	3-15-48	11-7-47	1688
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	7-23-47	1-7-47	3883
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	6-27-47	11-14-46	3611
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	3-16-48	8-18-47	1692
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	12 6-47	11-4-47	1893
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	2 29-48	1-6-48	914
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys.	7-10-47	2-6-47	3550
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	4-1-47	1982
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	3-20-47	9-28 46	1541
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-17-48	10-22-47	1297
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	1-21-47	9-9-46	3844
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	1-27-48	3-10-47	1710
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	11-6-47	9-23-47	1764
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	5-4-48	4-27-48	1540
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	3-13-48	9-8-47	2276
66. LISANN, I., Geometrical Instruments	6-16-47	4-16-46	2024
67. Krafft, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	1-13-48	7-16-47	1970
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	4-26-48	10-27-47	1501
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	8-8-47	2-19-47	2126
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	12-24-46	7-11-46	822
DESIGNS: BREHM, G. L.	4-10-47	3-15-48	7213

Total number of trade-mark applications awaiting action (including renewals and republications) 37,334 Date of oldest new application, Oct. 10, 1947; date of oldest amended application, Jan. 13, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	2-24-48	8-3-48	3211
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	10-17-47	6-23-48	5888
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-10-47	7-2-48	5063
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-28-47	5-7-48	4626
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	12-1-47	5-18-48	3586
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-8-48	1-13-48	3254
7. KEYS, O. M., Classes 16, 19, 55	11-17-47	4-1-48	2226
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	10-25-48	11-9-48	110
	12-19-47	11-9-48	9370

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Affiliated Products, Inc.: *See*—
Whitehall Pharmacal Company.

Aktieselskabet Bing & Grøndahls Porcellaensfabrik (Porcelainfabrikerne Bing & Grøndahl Og Norden A/S), Copenhagen, Denmark. Porcelain and cockery ware. Serial No. 498,743, Dec. 28. Class 30.

American Continental Corporation, Paterson, N. J. Piece goods. Serial No. 538,484, Dec. 28. Class 42.

American Crossarm & Conduit Company, Chicago, Ill. Crossarms, braces, pins, and brackets. Serial No. 539,377, Dec. 28. Class 12.

American Gum Products Company, New York, N. Y. Chemical compound. Serial No. 538,984, published Dec. 28. Class 6.

Ampco Metal, Inc., Milwaukee, Wis. Metallic welding rods and arc welding electrodes. Serial No. 550,288, Dec. 28. Class 14.

Apco Corporation, The, Los Angeles, Calif. Mobile electrical high voltage apparatus. Serial No. 520,248, Dec. 28. Class 23.

Arkwright Merchandising Corporation, New York, N. Y. Men's hosiery. Serial No. 532,546, Dec. 28. Class 39.

Armour and Company, Chicago, Ill. Fertilizers. Serial No. 528,420, Dec. 28. Class 10.

Arteo Products Co.: *See*—
Turner, Arthur R.

Artists Technical Supply Co., Los Angeles, Calif. Artist's manikins. Serial No. 531,985, Dec. 28. Class 50.

Baker Brush Co., Inc., New York, N. Y. Paint brushes. Serial No. 540,970, Dec. 28. Class 29.

Baker Brush Co., Inc., New York, N. Y. Paint brushes. Serial No. 540,972, Dec. 28. Class 29.

Blackhawk Mfg. Co., Milwaukee, Wis. Valves for controlling the flow of fluids; metallic pipes and tubes, etc. Serial No. 502,796, Dec. 28. Class 13.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece, etc. Serial No. 530,290, Dec. 28. Class 42.

Brand, Joe, Laredo, Tex. Men's clothing. Serial No. 505,280, Dec. 28. Class 39.

Brown Company, Berlin, N. H. Wood pulp. Serial No. 543,563, Dec. 28. Class 1.

Brush Development Company, The, Cleveland, Ohio. Piezoelectric crystals. Serial No. 537,410, Dec. 28. Class 21.

Buckley, Josephine, doing business as Fronz-Buckley Co., Brooklyn, N. Y. Liniment. Serial No. 553,671, Dec. 28. Class 6.

Cardinal Chemical Corporation, Newark, N. J. Lubricating oils. Serial No. 536,496, Dec. 28. Class 15.

Caribcraft: *See*—
Scott, Jack H.

Castleton China Incorporated, New York, N. Y. China tableware and china art objects. Serial No. 526,941, Dec. 28. Class 30.

Century Electric Company, St. Louis, Mo. Castings of iron. Serial No. 534,742, Dec. 28. Class 14.

Chatham Pharmaceuticals, Inc., Newark, N. J. Hemostatics for the control of venous and capillary bleeding, medicinal preparation, and ointments. Serial No. 533,538, Dec. 28. Class 6.

Chemicals, Inc., doing business as So Kleen Products, Oakland and San Francisco, Calif. Household bleach. Serial No. 531,440, Dec. 28. Class 6.

Chicago Steel and Wire Company, Chicago, Ill. Round bookbinders' wire, flat bookbinders' wire and boxmakers' wire. Serial No. 549,120, Dec. 28. Class 14.

Clayton Mark & Company, Evanston, Ill. Unions for connecting pipes or rods, union check valves. Serial No. 474,081, Dec. 28. Class 13.

Clean-Be-Tween Toothbrush Corporation, Los Angeles, Calif. Toothbrushes and replaceable toothbrush elements. Serial No. 544,055, Dec. 28. Class 29.

Continental Scale Corporation, Chicago, Ill. Weighing scales. Serial No. 432,567, Dec. 28. Class 26.

Corn Products Refining Company, Nhew York, N. Y. Combination of dry starches used as an adhesive in paste form. Serial No. 553,467, Dec. 28. Class 5.

Corn Products Refining Company, Nhew York, N. Y. Starch. Serial No. 553,468, Dec. 28. Class 6.

Corn Products Refining Company, New York, N. Y. Combinations of dry starches, dextrines, or gums for pasting purposes. Serial No. 553,469, Dec. 28. Class 5.

Corn Products Refining Company, New York, N. Y. Core binder. Serial No. 553,470, Dec. 28. Class 5.

Cortunon Co., Inc., New York, N. Y. Medicinal preparation. Serial No. 557,429, Dec. 28. Class 6.

Cramer Chemical Co., The, Gardner, Kans. Analgesic balm and ointment preparation. Serial No. 516,821, Dec. 28. Class 6.

Crane Co., Chicago, Ill. Ball cocks, float rods, float valves, etc. Serial No. 521,245, Dec. 28. Class 13.

Daven Company, The, Newark, N. J. Control equipment for use in electrical communication service. Serial No. 526,829, Dec. 28. Class 21.

De Boom Paint Co., San Francisco, Calif. Paints, varnishes, paint and baking enamels, etc. Serial No. 540,046, Dec. 28. Class 16.

Delapenha, R. U. & Co., Inc., New York, N. Y. Olive oil, barleduc jelly, canned sliced chicken, etc. Serial No. 532,573, Dec. 28. Class 46.

DeMert & Dougherty, Inc., Chicago, Ill. Linseed oils, chemical paint and varnish removers, shellacs, etc. Serial No. 509,505, Dec. 28. Class 16.

Denver Chemical Manufacturing Company, The, New York, N. Y. Medicinal preparation. Serial No. 550,031, Dec. 28. Class 6.

De Witt, E. C., & Co. Inc., Chicago, Ill. Preparations for internal and external use in liquid form, semiliquid or solid form, etc. Serial No. 558,109, Dec. 28. Class 6.

Diversey Corporation, The, Chicago, Ill. Can washer solution feeders and disinfectant sprayers. Serial No. 531,779, Dec. 28. Class 23.

Durabla Manufacturing Company, New York, N. Y. Gaskets. Serial No. 551,546, Dec. 28. Class 35.

Edelson, N., Sons Corporation, New York, N. Y. Women's and misses' slips, nightgowns, pajamas, etc. Serial No. 550,034, Dec. 28. Class 39.

Edison Climatic Control Refrigerator Co., Newark, N. J. Electric household refrigerators. Serial No. 544,337, Dec. 28. Class 31.

Efco Manufacturing, Inc., Hamilton, R. I. Wrenches and wrench parts. Serial No. 520,689, Dec. 28. Class 23.

Eli Lilly and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 556,016, Dec. 28. Class 6.

Eprahs Medicine Co.: *See*—
Sharpe, Albert S.

Evangeline Products, Inc., Brooklyn, N. Y. Shoe dye. Serial No. 551,174, Dec. 28. Class 6.

Excello Cravats Inc., New York, N. Y. Men's neckties. Serial No. 539,948, Dec. 28. Class 39.

Feinberg, Archie S., doing business as Great National Air Conditioning Company, Dallas, Tex. Device adapted for manual setting and disposed at a point remote from an evaporative cooler, etc. Serial No. 509,083, Dec. 28. Class 26.

Fox Products Co., New York, N. Y. Liquid floor polish. Serial No. 524,061, Dec. 28. Class 16.

Franklin Research Company, Philadelphia, Pa. Wax for floors. Serial No. 543,806, Dec. 28. Class 16.

Frank's, Inc., St. Louis, Mo. Hosiery and underwear. Serial No. 529,453, Dec. 28. Class 39.

French, Charles J., doing business as French Manufacturing Company, Oklahoma City, Okla. Decorative plastic rosettes in the nature of ornaments for mirrors and furniture. Serial No. 513,735, Dec. 28. Class 32.

French Manufacturing Company: *See*—
French, Charles J.

Fronz-Buckley Co.: *See*—
Buckley, Josephine.

Fruit Growers Co-Operative, Sturgeon Bay, Wis. Canned cherries. Serial No. 533,290, Dec. 28. Class 46.

Gairee Products Co., Inc., New York, N. Y. Moth preventative and insecticide. Serial No. 530,396, Dec. 28. Class 6.

Gaylord Bros., Inc., Syracuse, N. Y. Library adhesive. Serial No. 553,357, Dec. 28. Class 5.

Globe-Union Inc., Milwaukee, Wis. Variable resistance devices used as volume controls for radio receiving sets. Serial No. 545,980, Dec. 28. Class 21.

Granberg Equipment, Inc., Oakland, Calif. Meters. Serial No. 487,617, Dec. 28. Class 26.

Great National Air Conditioning Company: *See*—
Feinberg, Archie S.

Great Plains Seed Co., Sioux Falls, S. Dak. Farm and garden seeds. Serial No. 541,538, Dec. 28. Class 1.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather in the piece. Serial No. 529,042, Dec. 28. Class 1.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather for outer soles or inner soles. Serial No. 529,043, Dec. 28. Class 1.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather. Serial No. 529,051, Dec. 28. Class 1.

Grumbacher, M., Inc., New York, N. Y. Artists' brushes. Serial No. 543,599, Dec. 28. Class 29.

Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Niacin. Serial No. 543,700, Dec. 28. Class 6.

Haloid Company, The, Rochester, N. Y. Photographic developing papers. Serial No. 528,207, Dec. 28. Class 26.

Halsam Products Company, Chicago, Ill. Toy building blocks, play blocks, blocks for games, etc. Serial No. 531,209, Dec. 28. Class 22.

Harlingen Canning Company. Canned vegetables, canned fruits, canned citrus fruit juices for food purposes, etc. Serial No. 536,079, Dec. 28. Class 46.

Hathaway, C. F., Co., Waterville, Maine. Outer shirts. Serial No. 534,435, Dec. 28. Class 39.

Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned fruits, canned fruit juices, etc. Serial No. 507,186, Dec. 28. Class 46.

Herb Farm Shop Ltd., The, Elizabeth, N. J., and New York, N. Y. Perfume, toilet water, sachet powder, etc. Serial No. 539,166, Dec. 28. Class 6.

Hettrick Manufacturing Company, The, Toledo, Ohio. Power transmission belting. Serial No. 539,054–5, Dec. 28. Class 35.

Hines, Edward, Lumber Co., Chicago, Ill. Ponderosa pine lumber. Serial No. 541,140, Dec. 28. Class 12.

Hirsch, Leah A., doing business as Holdafone Co., Memphis, Tenn. Portable telephone stand. Serial No. 539,169, Dec. 28. Class 22.

Hoffmann-La Roche Inc., Nutley, N. J. Preparations exhibiting antispasmodic and antihistaminic activity. Serial No. 556,267, Dec. 28. Class 6.

Holdafone Co.: *See*—
Hirsch, Leah A.

Houghton, E. F., & Co., Philadelphia, Pa. Textile finishing agents. Serial No. 533,579, Dec. 28. Class 6.

Huber, J. M., Corporation, New York, N. Y., and Locust, N. J. Carbon black and clay fillers. Serial No. 542,409, Dec. 28. Class 1.

Huber, J. M., Corporation, New York, N. Y., and Locust, N. J. Clay. Serial No. 542,410, Dec. 28. Class 1.

Hudnut, Richard, New York, N. Y. Face powder, rouge, and lipstick. Serial No. 521,133, Dec. 28. Class 6.

Hudnut, Richard, New York, N. Y. Rouge and lipstick. Serial No. 523,778, Dec. 28. Class 6.

Hudson Pulp & Paper Corporation, Portland, Maine, and New York, N. Y. Gummed tape. Serial No. 551,802, Dec. 28. Class 5.

Hume, G. W., Company, Turlock, Calif. Canned fruits and canned vegetables. Serial No. 536,088, Dec. 28. Class 46.

Humko Co., The, Memphis, Tenn. Popcorn seasoning. Serial No. 527,409, Dec. 28. Class 46.

Huntley, W. C., & K. S. Wright, Portland, Oreg. Spinners and spoons. Serial No. 546,389, Dec. 28. Class 22.

Illinois Canning Co., The, Hoopeston, Ill. Canned vegetables, canned pork and beans, and canned tomato juice. Serial No. 536,690, Dec. 28. Class 46.

Interchemical Corporation, New York, N. Y. Pigment dispersions, pigments, flatting agents for the paint trade, etc. Serial No. 516,897, Dec. 28. Class 16.

International Nickel Company, Inc., New York, N. Y. Nickel alloys and alloys of nickel, chromium and iron. Serial No. 539,060, Dec. 28. Class 14.

Insto-Gas Corporation, Detroit, Mich. Blow torch, soldering iron torch, plumber's furnace and spart parts. Serial No. 542,136, Dec. 28. Class 34.

Joell Manufacturing Co.: *See*—
Menschik, Murray.

Jose Escalante & Co., Chicago, Ill. Cigars. Serial No. 532,935, Dec. 28. Class 17.

Kaw River Valley Fertilizer Co., Lawrence, Kans. Fertilizer and plant food. Serial No. 551,981, Dec. 28. Class 10.

Kerr, Alexander H., & Co., Inc., Los Angeles, Calif. Glass containers. Serial No. 506,173, Dec. 28. Class 33.

Keystone View Company, Meadville, Pa. Apparatus for testing and training of vision. Serial No. 517,853, Dec. 28. Class 26.

Kimball, C. M., Co., Boston, Mass. Bottled liquid, which when sprayed into the air deodorizes the same. Serial No. 536,404, Dec. 28. Class 6.

Kling-Tite Paint Products Company, Chicago, Ill. Paint in liquid and paste form. Serial No. 539,715, Dec. 28. Class 16.

Kolpin, Edward A., Jr., Santa Monica, Calif. Smoking tobacco. Serial No. 549,449, Dec. 28. Class 17.

Kornpointner, William A., doing business as National Chemical Exterminating Co., Montreal, Canada. Insecticides and raticides. Serial No. 512,195, Dec. 28. Class 6.

Krakaur, Eugene K., Patchogue, Long Island, N. Y. Plain adhesive paper tape. Serial No. 531,809, Dec. 28. Class 5.

Lactona Incorporated, St. Paul, Minn. Hair brushes. Serial No. 542,597, Dec. 28. Class 29.

Larus & Brother Company, Inc., Richmond, Va. Tobacco and tobacco products. Serial No. 550,331, Dec. 28. Class 17.

Lawrence, W. W., & Company, Pittsburgh, Pa. Varnishes. Serial No. 538,775, Dec. 28. Class 16.

Lehn & Fink Products Corporation, Bloomfield, N. J. Soap and washing and spotting compound. Serial No. 554,314, Dec. 28. Class 4.

Lehn & Fink Products Corporation, Bloomfield, N. J. Perfumes, eau de cologne, toilet water, etc. Serial No. 558,145, Dec. 28. Class 6.

Lenthéric Incorporated, New York, N. Y. Perfumes, toilet waters and cosmetic creams. Serial No. 556,457, Dec. 28. Class 6.

Les Parfums de Dana, Inc., New York, N. Y. Perfume, toilet waters, lipsticks, etc. Serial No. 558,901, Dec. 28. Class 6.

Lockport Cotton Batting Co., Lockport, N. Y. Cotton which has been treated to render it fireproof. Serial No. 536,540, Dec. 28. Class 1.

Lorie: *See*—
Rexall Drug Company.

MacDermid Incorporated, Waterbury, Conn. Chemical preparation for cleaning metals prior to electroplating. Serial No. 548,973, Dec. 28. Class 6.

MacDermid Incorporated, Waterbury, Conn. Dry alkaline cleansing preparations. Serial No. 548,975, Dec. 28. Class 6.

McCord Corporation, Detroit, Mich. Sheet packing. Serial No. 547,748, Dec. 28. Class 35.

Mellor, W. L., Co., The: *See*—
Mellor, W. Laurence.

Mellor, W. Laurence, doing business as The W. L. Mellor Co., Kansas City, Mo. Cotton fabrics impregnated with a plastic water-proofing material. Serial No. 549,163, Dec. 28. Class 42.

Menschik, Murray, doing business as Joel Manufacturing Co., Brooklyn, N. Y. Leather goods. Serial No. 549,563, Dec. 28. Class 8.

Meyer Chemical Company, Detroit, Mich. Parenteral solution containing progesterone alpha-estradiol, with chlorobutanol. Serial No. 557,673, Dec. 28. Class 6.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Men's and women's jewelry. Serial No. 534,908, Dec. 28. Class 28.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Men's and women's costume jewelry. Serial No. 534,909, Dec. 28. Class 28.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper veneer tape. Serial No. 543,015, Dec. 28. Class 5.

Miles Shoes Incorporated, New York, N. Y. Shoes, slippers and boots, etc. Serial No. 541,867, Dec. 28. Class 39.

Mohawk Rubber Company, The, Akron, Ohio. Pneumatic tires and inner tubes. Serial No. 555,430, Dec. 28. Class 35.

Mondeaux Millwork and Supply Company, Medford, Wis. Window sashes in weather-stripped window frames, door and window frames, etc. Serial No. 532,622, Dec. 28. Class 12.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins in the form of solutions and emulsions, etc. Serial No. 568,090, Dec. 28. Class 1.

Morehouse Mustard Mills, Los Angeles, Calif. Prepared mustard. Serial No. 510,527, Dec. 28. Class 46.

Mor-Pak Preserving Corporation, San Francisco, Calif. Canned fruit. Serial No. 539,335, Dec. 28. Class 46.

Myers, Earle T.: *See*—
Paramount Canning Company.

Nashua Gummed and Coated Paper Company, Nashua, N. H. Paper binding bands. Serial No. 542,478, Dec. 28. Class 37.

Natalun Company: *See*—
Schuyler, Charles V.

National Aluminum Manufacturing Co., Peoria, Ill. Pressure cookers, and aluminum kitchen utensils. Serial No. 516,561, Dec. 28. Class 13.

National Chemical Exterminating Co.: *See*—
Kornpointner, William A.

Oca Medicine Company, Inc., The, New York, N. Y. Preparations indicated in and for the treatment of headaches, neuralgias, coughs, etc. Serial No. 551,728, Dec. 28. Class 6.

Odorbase Manufacturing Company, New York, N. Y. Concentrated perfumes. Serial No. 538,442, Dec. 28. Class 6.

Old Town Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Carbon paper. Serial No. 535,990, Dec. 28. Class 11.

Oscar Schmidt-International, Incorporated, Jersey City, N. J. Musical instrument. Serial No. 528,650, Dec. 28. Class 36.

Paramount Canning Company, assignor to E. T. Myers, Haines City, Fla. Canned citrus juices. Serial No. 539,204, Dec. 28. Class 46.

Pardee, Clara N., Hastings-on-Hudson, N. Y. Dried beef. Serial No. 520,229, Dec. 28. Class 46.

Parfums Evyan Co.: *See*—
Westall, Evelyn.

Park Square, Incorporated, St. Paul, Minn. Writing paper and correspondence envelopes. Serial No. 512,131, Dec. 28. Class 37.

Par-Metal Products Corp., Long Island City, and New York, N. Y. Relay racks, desk panels, cabinet racks, etc. Serial No. 545,388, Dec. 28. Class 21.

Peavey, F. H., & Company, Minneapolis, Minn. Agricultural seeds. Serial No. 524,413, Dec. 28. Class 1.

Pendleton Woolen Mills, Pendleton and Portland, Oreg. Outer skirts, lounging robes, trousers and slacks, etc. Serial No. 535,993, Dec. 28. Class 39.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 521,403, Dec. 28. Class 6.

Philadelphia Chewing Gum Corporation, The, Philadelphia, Pa. Chewing gum. Serial No. 543,324, Dec. 28. Class 46.

Philip Carey Manufacturing Company, The, Cincinnati, Ohio. Magnesia, light calcined magnesia, light calcined magnesia powder, etc. Serial No. 556,408, Dec. 28. Class 6.

Pollak, Henry, Inc., New York, N. Y. Cellulose coating for millinery braids and hat bodies, etc. Serial No. 516,997, Dec. 28. Class 6.

Pond's Extract Company, New York, N. Y. Toilet, cosmetic and pharmaceutical products. Serial No. 552,489, Dec. 28. Class 6.

Portable Seismograph, Inc., San Antonio, Tex. Oil exploration service rendered to oil companies. Serial No. 549,840, Dec. 28. Class 55.

Prestopress Corporation of America, Brooklyn, N. Y. Steam pressing machines and parts thereof, and puff-iron appliances and parts thereof. Serial No. 543,520, Dec. 28. Class 24.

Proctor Electric Company, Philadelphia, Pa. Electric irons. Serial No. 532,874, Dec. 28. Class 21.

Queen Manufacturing Co., Inc., Chicago, Ill. Drying frames. Serial No. 518,037, Dec. 28. Class 24.

Ralston Purina Company, St. Louis, Mo. Scandinavian style bread. Serial No. 538,813, Dec. 28. Class 46.

Rawl Chemists Co.: *See*—
Wise, Milford H.

Reuben Company, Chicago, Ill. Loose leaf binders and ring binders. Serial No. 508,310, Dec. 28. Class 37.

Rexall Drug Company, doing business as Lorie, Los Angeles, Calif. Cosmetics. Serial No. 550,260, Dec. 28. Class 6.

Richmond Rubber Company, Inc., Richmond, Va. Pneumatic tires and inner tubes. Serial No. 552,718, Dec. 28. Class 35.

Rig Company, The: *See*—
Guy, Ralph I.

Riverdale Chemical Company, Harvey, Ill. Insecticide. Serial No. 549,277, Dec. 28. Class 6.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Weighing scales. Serial No. 541,061, Dec. 28. Class 26.

Rodriguez, Joachim, Los Angeles, Calif. Hair tonic. Serial No. 533,677, Dec. 28. Class 6.

Rexon Inc., New York, N. Y. Cigarette and cigar cases, cigarette and cigar holders, and ash trays. Serial No. 513,639, Dec. 28. Class 8.

Rubinstein, Helena, Inc., New York, N. Y. Perfumes. Serial No. 540,457, Dec. 28. Class 6.

Russakov Company of America, Chicago, Ill. Food receptacles. Serial No. 508,067, Dec. 28. Class 2.

Russell, I. D., Co. Laboratories: *See*—
Russell, Isaiah D.

Russell, Isaiah D., doing business as I. D. Russel Co. Laboratories, Kansas City, Mo. Medicine for poultry. Serial No. 514,467, Dec. 28. Class 6.

Ryden Golf Co., Inc., Warren, R. I. Golf balls. Serial Nos. 549,465–7, Dec. 28. Class 22.

Scherel, Bernard, New York, N. Y. Handkerchiefs. Serial No. 520,059, Dec. 28. Class 39.

Schuyler, Charles V., doing business as Natalun Company, Philadelphia, Pa. Identification medals. Serial No. 518,577, Dec. 28. Class 50.

Scott, Jack H., doing business as Caribcraft, Port-au-Prince, Haiti, West Indies. Cups, bowls, trays, etc. Serial No. 536,452, Dec. 28. Class 2.

Sears, Roebuck and Co., Chicago, Ill. Group A—Faucet washers, and combinations of the same; Group B—Packing (asbestos wick) pump cup leathers. Serial No. 550,452, Dec. 28. Class 35.

Sharpe, Albert S., doing business as Epraha Medicine Co. Preparation for diabetes, asthma, and a pile lotion. Serial No. 535,086, Dec. 28. Class 6.

Silversmiths, Inc., Washington, D. C. Sterling silver flatware and hollow ware. Serial No. 548,191, Dec. 28. Class 28.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oleoresinous varnish. Serial No. 525,418, Dec. 28. Class 16.

So Kleen Products: *See*—
Chemicals, Inc.

Southern Biscuit Company, Incorporated, Richmond, Va. Cookies. Serial No. 516,321, Dec. 28. Class 46.

Southern Friction Materials Company, Charlotte, N. C. Adhesives. Serial Nos. 549,024–5, Dec. 28. Class 5.

Standard Horse Nail Corporation, New Brighton, Pa. Nails. Serial No. 530,347, Dec. 28. Class 13.

Star Expansion Bolt Company, New York, N. Y. Metal expansion shields. Serial No. 501,025, Dec. 28. Class 13.

Stein, Hall & Company, Inc., New York, N. Y. Converted starch product suitable for uses similar to glue. Serial No. 555,459, Dec. 28. Class 5.

Stephano Brothers, Philadelphia, Pa. Cigarettes. Serial No. 549,592, Dec. 28. Class 17.

Stevens & Wallis, Inc., Salt Lake City, Utah. Book covers. Serial No. 442,219, Dec. 28. Class 37.

Straub, Paul A., & Co., Inc., New York, N. Y. China and earthenware. Serial No. 514,441, Dec. 28. Class 30.

Stunzi Sons Silk Company, Inc., New York, N. Y. Silk piece goods. Serial No. 538,825, Dec. 28. Class 42.

Superior Beauty Products Co. Cream shampoo. Serial No. 542,680, Dec. 28. Class 6.

Sutherland Paper Company, Kalamazoo, Mich. Collapsible cartons. Serial No. 518,802, Dec. 28. Class 2.

Sutton, O. A., Corporation, Inc., The, Wichita, Kans. Electric fans. Serial No. 545,558, Dec. 28. Class 21.

Sutton Shirt Corp., New York, N. Y. Men's shirts and sport shirts. Serial No. 532,176, Dec. 28. Class 39.

Table Rock Laboratories, Inc., Greenville, S. C. Solution of the whole vitamin B complex and compressed tablets. Serial No. 527,447, Dec. 28. Class 6.

Taylor, Morrison I., Inc., Jacksonville, Fla. Real estate brokerage service, and the writing of automobile insurance, etc. Serial No. 548,198, Dec. 28. Class 55.

Tennessee Eastman Corporation, Kingsport, Tenn. Organic chemical preparation, etc. Serial No. 496,874, Dec. 28. Class 6.

Turner, Arthur R., doing business as Artco Products Co., Wilmington, Calif. A preparation used as a wood preservative, etc. Serial No. 507,224, Dec. 28. Class 6.

United Royalties Corporation, New York, N. Y. Egg beaters, mixer churns, beverage beaters, etc. Serial No. 518,443, Dec. 28. Class 23.

Valcort Hosiery Corporation, New York, N. Y. Ladies' and misses' hosiery. Serial No. 536,178, Dec. 28. Class 39.

Van Pelt and Brown, Incorporated, Richmond, Va. Preparation in liquid, tablet, and lozenge form. Serial No. 556,498, Dec. 28. Class 6.

Walker Vitamin Products, Inc., Mount Vernon, N. Y. Various vitamin preparations. Serial No. 510,985, Dec. 28. Class 6.

Warner, William R., & Co., Inc., New York, N. Y. Penicillin preparations. Serial Nos. 557,799–800, Dec. 28. Class 6.

Weka, S. P. R. L., Brussels, Belgium. Garlic oil extract in capsules. Serial No. 514,385, Dec. 28. Class 6.

Westall, Evelyn, doing business as Parfums Evyan Co., New York, N. Y. Perfumes and colognes. Serial No. 487,539, Dec. 28. Class 6.

Western Machine Tool Works, Holland, Mich. Nut tapping machines. Serial No. 520,845, Dec. 28. Class 23.

Whitehall Distributors, Inc., New York, N. Y. Motorcycle tires, inner tubes, and tire repair kits. Serial No. 542,381, Dec. 28. Class 35.

Whitehall Pharmacal Company, assignor to Affiliated Products, Inc., now by change of name Whitehall Pharmacal Company, New York, N. Y. Medical salve. Serial No. 537,641, Dec. 28. Class 6.

Wiegand, Edwin L., Company, Pittsburgh, Pa. Temperature indicators, temperature recorders, thermostats, etc. Serial No. 527,669, Dec. 28. Class 26.

Willett, Consider H., Inc., Louisville, Ky. Living room furniture, dining room furniture, bedroom furniture. Serial Nos. 536,198–9, Dec. 28. Class 32.

Wimelbacher & Rice, Inc., New York, N. Y. Fabric gloves. Serial No. 522,887, Dec. 28. Class 39.

Wise, Milford H., doing business as Rawl Chemists Co., New York, N. Y. Capsules. Serial No. 557,330, Dec. 28. Class 6.

Wood, J. B., doing business as Wood Manufacturing Co., El Dorado, Ark. Artificial fish lures. Serial No. 516,516, Dec. 28. Class 22.

Wood Manufacturing Co.: *See*—
Wood, J. B.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Modified soda. Serial No. 515,647, Dec. 28. Class 6.

Yorkville Paper Co. Inc., New York, N. Y. Bags formed of paper, wax paper, or Cellophane. Serial No. 507,450, Dec. 28. Class 2.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Antacid and digestant. 243,080, renewed June 12, 1948. O. G. Dec. 28. Class 6.

Accurate Parts Manufacturing Company, The, Cleveland, Ohio. Clutches and parts thereof, clutch plates, coil springs, etc. 291,003, Jan. 26, 1932. Republished Dec. 28. Class 23.

Accurate Parts Manufacturing Company, The, Cleveland, Ohio. Screws, bolts, nuts, metal washers, lock washers, and coil springs. 296,766, Aug. 23, 1932. Republished Dec. 28. Class 13.

Accurate Parts Manufacturing Company, The, Cleveland, Ohio. Clutch plates and discs. 298,002, Oct. 11, 1932. Republished Dec. 28. Class 23.

Accurate Parts Manufacturing Company, The, Cleveland, Ohio. Clutch plates and discs. 298,077, Oct. 11, 1932. Republished Dec. 28. Class 23.

Ackerman-Johnson Co., Chicago, Ill. Fastening devices. 505,175, Dec. 28; Serial No. 527,543, published Sept. 21, 1948. Class 13.

Acme Machine & Fabrication Co., Birmingham, Ala. Toy coaster wagons. 441,723, Dec. 28; Serial No. 521,232, published Sept. 7, 1948. Class 22.

Adjustable Fixture Co., The, Milwaukee, Wis. Light and heat reflectors for therapeutic purposes. 253,671, renewed Mar. 5, 1949. O. G. Dec. 28. Class 44.

Advance Electric and Relay Co., Los Angeles, Calif. Battery chargers. 505,277, Dec. 28; Serial No. 544,679, published Sept. 21, 1948. Class 21.

Airadio, Incorporated, Stamford, Conn. Radio receivers, transmitters, electrical sound recording apparatus, etc. 505,238, Dec. 28; Serial No. 534,859, published Sept. 21, 1948. Class 21.

Aircraft and Mechanical Productions Limited, High Wycombe, Great Britain, now by change of name Airmec Limited. Radio receiving sets, radio transmitting sets, etc. 437,901, Apr. 6, 1948. Corrected. O. G. Dec. 28. Class 21.

Air Reduction Sales Company, New York, N. Y. Flux-coated metallic welding rods. 505,291, Dec. 28; Serial No. 547,304, published Sept. 7, 1948. Class 14.

Aktiebolaget Mölnbacka-Trysil, Forsbaga, Sweden. Bleached sulphite pulp for the manufacture of paper and rayon. 441,676, Dec. 28; Serial No. 490,616, published Sept. 21, 1948. Class 1.

Alabama-Georgia Syrup Company, Montgomery, Ala. Syrups. 63,089, June 4, 1907. Republished Dec. 28. Class 46.

Alabama-Georgia Syrup Co., Montgomery, Ala. Cane syrup. 82,129, June 6, 1911. Republished Dec. 28. Class 46.

Alabama-Georgia Syrup Co., Montgomery, Ala. Corn and cane syrup. 89,971, Jan. 28, 1913. Republished Dec. 28. Class 46.

Alabama-Georgia Syrup Co., Montgomery, Ala. Table syrup. 120,005, Jan. 1, 1918. Republished Dec. 28. Class 46.

Alabama-Georgia Syrup Company, Montgomery, Ala. Cane sirup. 216,625, Aug. 17, 1926. Republished Dec. 28. Class 46.

Alabama-Georgia Syrup Company, Montgomery, Ala. Cane sirup. 217,072, Aug. 24, 1926. Republished Dec. 28. Class 46.

Alabama-Georgia Syrup Company, Montgomery, Ala. Table syrup. 384,344, Jan. 14, 1941. Republished Dec. 28. Class 46.

Alabama-Georgia Syrup Company, Montgomery, Ala. Cane syrup. 384,458, Jan. 21, 1941. Republished Dec. 28. Class 46.

Albany Packing Company, Inc., Colonie, by Tobin Packing Co., Inc., Rochester and Albany, N. Y. Meats and meat products. 394,776, Apr. 28, 1942. Republished Dec. 28. Class 46.

Alex, Mary, doing business as Mary Alex Products, Chicago, Ill. Cosmetics, lipsticks, cologne, perfume, etc. 505,318, Dec. 28; Serial No. 534,716. Class 6.

Alex, Mary, Products: *See*—
Alex, Mary.

Allen Innovations, Inc., New York, N. Y. Slide fasteners. 505,180, Dec. 28; Serial No. 528,135, published Sept. 21, 1948. Class 13.

Allen, W. D., Manufacturing Co., Chicago, Ill. Separable hose couplings, and hose menders. 505,151, Dec. 28; Serial No. 517,447, published Sept. 14, 1948. Class 13.

Allied Chemical & Dye Corporation: *See*—
General Chemical Company.

Allied Kid Company, Boston, Mass. Mouton Furs and patent and side leathers. 505,262, Dec. 28; Serial No. 541,484, published Sept. 21, 1948. Class 1.

Alsco, Inc., Akron, Ohio. Storm windows and storm doors. 427,307, Feb. 4, 1947. Republished Dec. 28. Class 12.

American Cyanamid Company, New York, N. Y. Synthetic thermosetting resins and plastics of the polyester type. 505,192, Dec. 28; Serial No. 529,430, published Sept. 21, 1948. Class 1.

American Manufacturing Company, Brooklyn, N. Y. Rope, cord, lines, and twine. 115,269, Feb. 6, 1917. Republished Dec. 28. Class 7.

American Oil and Disinfectant Corp., New York, N. Y. Chemically neutral aqueous paste. 505,149, Dec. 28; Serial No. 516,656, published Aug. 3, 1948. Class 4.

American Type Founders, Inc., by American Type Founders, Incorporated, Elizabeth, N. J. Leads, slugs, and rules cast in type metal. 374,254, Jan. 2, 1940. Republished Dec. 28. Class 14.

Ames Baldwin Wyoming Co.: *See*—
Wyoming Shovel Works, The.

Ampco Metal, Inc., Milwaukee, Wis. Metallic welding rods and arc welding electrodes. 426,798, Jan. 14, 1947. Corrected. O. G. Dec. 28. Class 14.

Anderson & Shaw, Limited, by J. Deans & Co. Limited, Glasgow, Scotland. Whisky. 312,564, May 1, 1934. Republished Dec. 28. Class 49.

Aristocrat Leather Products, Inc., New York, N. Y. Apparel belts, suspenders, garters, etc. 505,240, Dec. 28; Serial No. 534,974, published Sept. 7, 1948. Class 39.

Arkansas Company, Inc., Newark, N. J. Assistants useful in dyeing procedures and textile processing. 441,716, Dec. 28; Serial No. 517,954, published Sept. 7, 1948. Class 6.

Armour and Company, Chicago, Ill. Strings for tennis, badminton and squash rackets. 505,184, Dec. 28; Serial No. 528,415, published Sept. 7, 1948. Class 22.

Arn & Zweifel Company: *See*—
Wittwer, Edward & Bro.

Arrow-Hart & Hegeman Electric Company, The, Hartford, Conn. Electric switches. 505,220, Dec. 28; Serial No. 532,993, published Sept. 21, 1948. Class 21.

Arrowhead Rubber Company, Vernon, Calif. The following items, made wholly or in part from rubber or rubber substitutes or from synthetic resins: nonmetallic washers nonmetallic faucet cushions, etc. 505,141, Dec. 28; Serial No. 510,994, published Sept. 21, 1948. Class 35.

Arto Manufacturing Co., Philadelphia, Pa. Paint enamel finish, lacquer, and varnish. 441,707, Dec. 28; Serial No. 515,063, published Aug. 10, 1948. Class 16.

Atlas Underwear Company, The, Piqua, Ohio. Undergarments. 386,915, Apr. 29, 1941. Republished Dec. 28. Class 39.

Atlas Underwear Company, The, Piqua, Ohio. Undergarments and underwear. 390,587, Sept. 30, 1941. Republished Dec. 28. Class 39.

Auto-Chlor System, Inc., Memphis, Tenn. Chemical solutions. 505,303, Dec. 28; Serial No. 550,378, published Sept. 21, 1948. Class 6.

Autographic Register Company, Hoboken, N. J. Carbon discs. 505,176, Dec. 28; Serial No. 527,567, published Sept. 21, 1948. Class 11.

Auto-Lite Battery Corporation, Niagara Falls, N. Y. Electric storage batteries and parts thereof. 505,272, Dec. 28; Serial No. 544,025, published Sept. 21, 1941. Class 21.

Automatic Recording Safe Company, The, Chicago, Ill. Portable savings banks. 505,217, Dec. 28; Serial No. 532,198, published Aug. 31, 1948. Class 22.

Avco Manufacturing Corporation, Cincinnati, Ohio. Electric ranges. 505,244, Dec. 28; Serial No. 536,989, published Sept. 21, 1948. Class 21.

Avon Products, Inc., New York, N. Y. Lipsticks, rouges, and nail polish. 434,186, Nov. 11, 1947. Republished Dec. 28. Class 6.

Avon Products, Inc., New York, N. Y. Lipstick, rouge, nail polish. 434,322, Nov. 18, 1947. Republished Dec. 28. Class 6.

Avon Products, Inc., New York, N. Y. Perfumes, toilet waters, and colognes. 434,354, Nov. 18, 1947. Republished Dec. 28. Class 6.

Ayerst, McKenna & Harrison Limited, New York and Rouses Point, N. Y. Anterior hypophyseal gonadotropic factor and growth complex; antipertussis serum; bile salt tablets; etc. 505,248, Dec. 28; Serial No. 537,866, published Aug. 31, 1948. Class 6.

Babbitt, B. T., Inc.: *See*—
Ford, J. B., Company, The.

Baker Castor Oil Company, The, Bayonne, N. J., and elsewhere in the United States. Stabilizers. 505,264. Dec. 28; Serial No. 541,910, published July 20, 1948. Class 6.

Baker, Jack, Sportswear Co. Inc., New York, N. Y. Ladies' suits, jackets, and skirts. 428,190, Mar. 11, 1947. Republished Dec. 28. Class 39.

Bally Manufacturing Co., Chicago, Ill. Ball rolling games having a board and balls. 505,218, Dec. 28; Serial No. 532,200, published Sept. 14, 1948. Class 22.

Barrell, William L., Company: *See*—
Barrell, William L., Co. of New York, Inc.

Barrell, William L., Co. of New York, Inc., by William L. Barrell Company, New York, N. Y. Cotton duck in the piece. 246,969, Sept. 18, 1928. Republished Dec. 28. Class 42.

Bates Manufacturing Company: *See*—
York Manufacturing Company.

Baxter Laboratories, Inc., Glenview, Ill. Injectable pyrogen. 505,234, Dec. 28; Serial No. 534,592, published Sept. 14, 1948. Class 6.

Bel Paese Sales Co. Inc.: *See*—
Galbani, Egidio.
Galbani, S. A., Egidio.

Belknap Hardware & Manufacturing Company, Louisville, Ky. Ice-cream freezers. 233,215, Sept. 27, 1927. Republished Dec. 28. Class 31.

Bennett, Paul E., doing business as Oralaid Company, Toledo, Ohio. Paste-like modality. 505,270, Dec. 28; Serial No. 543,268, published Sept. 21, 1948. Class 6.

Benz, Geo. & Sons, St. Paul, Minn., by Schenley Import Corporation, New York, N. Y. Wines. 305,572, Aug. 22, 1933. Republished Dec. 28. Class 47.

Blitwell Company, Inc., St. Louis, Mo. Men's trousers. 505,241, Dec. 28; Serial No. 534,984, published Sept. 7, 1948. Class 39.

Bingham-Herbrand Corporation, The: *See*—
Herbrand Co., The.

Bin-Hay Corporation, Rochester, N. Y. Hangers or brackets. 505,219, Dec. 28; Serial No. 532,799, published Sept. 21, 1948. Class 13.

Blackhawk Mfg. Co., Milwaukee, Wis. Automobile jacks. 348,634, Aug. 3, 1937. Republished Dec. 28. Class 23.

Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic jacks and wrench sets. 352,718, Dec. 7, 1937. Republished Dec. 28. Class 23.

Blackhawk Mfg. Co., West Allis, Wis. Wrenches and twisting tool sets. 371,408, Sept. 26, 1939. Republished Dec. 28. Class 23.

Blackhawk Mfg. Co., West Allis, Wis. Wrenches and twisting tool sets. 416,406, Sept. 11, 1945. Republished Dec. 28. Class 23.

Blau, Joseph, New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 505,265, Dec. 28; Serial No. 541,907, published Aug. 17, 1948. Class 39.

Blaul's, John, Sons Company, Burlington, Iowa. Canned vegetables, canned fruits, canned salmon, etc. 88,998, Nov. 5, 1912. Republished Dec. 28. Class 46.

Blaul's, John, Sons Co., Burlington, Iowa. Tea and roasted coffee. 106,733, Oct. 26, 1915. Republished Dec. 28. Class 46.

Blaul's, John, Sons Company, Burlington, Iowa. Tea, coffee, cocoa, etc. 240,432, Mar. 27, 1928. Republished Dec. 28. Class 46.

Blaw-Knox Company: *See*—
Union Steel Casting Company.

Blomgren, Theodore O., St. Louis Park, Minn. Temperature responsive circuit control switches. 505,145, Dec. 28; Serial No. 514,933, published Sept. 21, 1948. Class 26.

Blue Bell, Inc., Greensboro, N. C. Western style dungarees and pants. 441,727, Dec. 28; Serial No. 522,610, published Dec. 16, 1947. Class 39.

Bode, Joe C., Jr., doing business as Manson Distributors, Aurora, Ill. Preparation in stick form which is applied to windows to prevent fogging and formation of ice in cold weather. 505,317, Dec. 28; Serial No. 530,717. Class 4.

Boehm, Paul F., doing business as Instrumaster Industries, Greenwich, Conn. Instruments for draftsmen. 441,683–4, Dec. 28; Serial Nos. 498,750–1, published Sept. 21, 1948. Class 26.

Bone Dry Shoe Mfg. Co., Tacoma, Wash. Leather logger shoes. 505,228, Dec. 28; Serial No. 533,840, published Sept. 7, 1948. Class 39.

Boonton Full Fashion Hosiery Mills, Boonton, N. J. Hosiery. 505,212, Dec. 28; Serial No. 531,295, published Sept. 7, 1948. Class 39.

Booth Fisheries Corporation: *See*—
Booth Fisheries Sardine Co.
Booth Fisheries Sardine Company.

Booth Fisheries Corporation, Chicago, Ill. Fresh water frozen fish, salt water frozen fish, and frozen shell fish. 364,953, Feb. 21, 1939. Republished Dec. 28. Class 46.

Booth Fisheries Sardine Co., Eastport, Maine, by Booth Fisheries Corporation, Chicago, Ill. Canned sardines. 124,437, Feb. 18, 1919. Republished Dec. 28. Class 46.

Booth Fisheries Sardine Company, by Booth Fisheries Corporation, Chicago, Ill. Canned sardines. 142,938, May 24, 1921. Republished Dec. 28. Class 46.

Borg-Warner Corporation: *See*—
Mechanics Machine Company.

Boston Top Lift Company, The: *See*—
Freedman, Harry.

Bourjois Inc., to Bourjois, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 254,644, renewed Mar. 26, 1949. O. G. Dec. 28. Class 6.

Boye Needle Company, The, Chicago, Ill. Sewing-machine belts. 505,254, Dec. 28; Serial No. 539,804, published Sept. 21, 1948. Class 35.

Brearley Company, The, Rockford, Ill. Weighing scales. 433,340, Oct. 7, 1947. Republished Dec. 28. Class 26.

Breeze Corporations, Inc., Newark, N. J. Casings for the electrical equipment of motors and similar power apparatus. 441,673, Dec. 28; Serial No. 483,167, published Sept. 21, 1948. Class 21.

Briggs Lemon Association, Santa Paula, Calif. Fresh citrus fruit. 349,105, Aug. 17, 1937. Republished Dec. 28. Class 46.

Briggs Lemon Association, Santa Paula, Calif. Fresh citrus fruit. 350,947, Oct. 12, 1937. Republished Dec. 28. Class 46.

Bright Biscuit Company, Kansas City, Mo., by Bright Biscuit Company, Inc., Kansas City, Kans. Crackers and cakes. 283,328, May 26, 1931. Republished Dec. 28. Class 46.

Bright Biscuit Company, Kansas City, Mo., by Bright Biscuit Company, Inc., Kansas City, Kans. Crackers. 350,056, Sept. 14, 1937. Republished Dec. 28. Class 46.

Bright Biscuit Company, Inc.: *See*—
Bright Biscuit Company.

Bright Biscuit Company, Inc., Kansas City, Kans. Crackers. 363,128, Dec. 13, 1938. Republished Dec. 28. Class 46.

Bright Biscuit Company, Inc., Kansas City, Kans. Crackers. 363,501, Dec. 27, 1938. Republished Dec. 28. Class 46.

Bright Biscuit Company, Inc., Kansas City, Kans. Soda crackers. 364,320, Jan. 24, 1939. Republished Dec. 28. Class 46.

British Cod Liver Oils (Hull & Grimsby) Limited, Hull, England. Cod liver oils and by-products thereof. 441,696. Dec. 28; Serial No. 509,393, published Sept. 21, 1948. Class 6.

Brizel Leather Corporation, New York, N. Y. Leather bands for caps and hats. 505,276, Dec. 28; Serial No. 544,535, published Sept. 7, 1948. Class 39.

Brown & Bigelow, St. Paul, Minn. Art prints and publications in book and calendar form. 430,724, June 24, 1947. Republished Dec. 28. Class 38.

Brown Manufacturing Company, Inc., Newport News, Va. Stationary bottle openers. 344,264, Mar. 16, 1937. Republished Dec. 28. Class 23.

Bud Radio, Inc., Cleveland, Ohio. Radio apparatus, supplies, and equipment. 303,469, May 23, 1933. Republished Dec. 28. Class 21.

Buddyserge Company, The, Philadelphia, Pa. Men's and young men's suits. 379,444, July 9, 1940. Republished Dec. 28. Class 39.

Bulloch Lade & Co. Limited, Glasgow, Scotland. Scotch whisky. 311,609–10, Mar. 27, 1934. Republished Dec. 28. Class 49.

Bulloch Lade & Co. Limited, Glasgow, Scotland. Scotch whisky. 312,501, May 1, 1934. Republished Dec. 28. Class 49.

Burgess Battery Company, Freeport, Ill. Dry batteries. 505,177, Dec. 28; Serial No. 527,755, published Sept. 21, 1948. Class 21.

Burgess Battery Company, Freeport, Ill. Dry batteries and electric hand lamps, etc. 505,275, Dec. 28; Serial No. 544,520, published Sept. 21, 1948. Class 21.

Burgio Bros., Inc., New York, N. Y. Hosiery. 505,245, Dec. 28; Serial No. 537,141, published Sept. 7, 1948. Class 39.

Burns, E. Reed, Mfg. Corp.: *See*—
Burns, E. Reed, Supply Company.

Burns, E. Reed, Supply Company, by E. Reed Burns Mfg. Corp., Brooklyn, N. Y. Polishing compositions. 148,228, Nov. 8, 1921. Republished Dec. 28. Class 4.

Burroughs Adding Machine Company, Detroit, Mich. Electrical appliances. 505,160, Dec. 28; Serial No. 523,146, published Sept. 21, 1948. Class 21.

Burroughs Adding Machine Company, Detroit, Mich. Electrical appliances. 505,174, Dec. 28; Serial No. 527,356, published Sept. 21, 1948. Class 21.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Antibotic preparation. 505,252, Dec. 28; Serial No. 539,646, published Sept. 21, 1948. Class 6.

Burrus Mill & Elevator Company, The, Fort Worth, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 50,479, Mar. 20, 1906. Republished Dec. 28. Class 46.

Burrus Mill & Elevator Company, The, Fort Worth, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 55,938, Aug. 21, 1906. Republished Dec. 28. Class 46.

Byer-Rolnick Company, Garland, Tex. Men's hats. 505,283, Dec. 28; Serial No. 546,280, published Sept. 21, 1948. Class 39.

California Mission Vintage Co.: *See*—
Guerrieri, Lewis.

Calosso, M., Stockton, Calif. Fresh fruit. 331,834, Jan. 21, 1936. Republished Dec. 28. Class 46.

Caltex Sportswear Co. of California, Inc., Los Angeles, Calif. Women's and children's knitted sportswear. 433,592, Oct. 21, 1947. Republished Dec. 28. Class 39.

Cameraflex Corp., New York, N. Y. Cameras and projectors. 505,138, Dec. 28; Serial No. 509,915, published Sept. 21, 1948. Class 26.

Camlin Corset Co. Inc., by Graceform-Camlin Corset Co. Inc., New York, N. Y. Corsets. 382,007, Oct. 15, 1940. Republished Dec. 28. Class 39.

Cannizzaro Wine Co., Inc., New York, N. Y. Wines. 338,053, Aug. 25, 1936. Republished Dec. 28. Class 47.

Cannon Electric Development Company: *See*—
Cannon, James H.

Cannon, James H., Los Angeles, Calif. Electrical equipment and parts therefor. 418,856, Jan. 15, 1946. Republished Dec. 28. Class 21.

Cannon, James H., Los Angeles, Calif. Electrical equipment and parts therefor. 425,506–8, Nov. 26, 1946. Republished Dec. 28. Class 21.

Cannon, James H., doing business as Cannon Electric Development Company, Los Angeles, Calif. Electric equipment and parts therefor. 505,146, Dec. 28; Serial No. 516,460, published Sept. 21, 1948. Class 21.

Cannon Shoe Company, Baltimore, Md. Shoes. 441,708, Dec. 28; Serial No. 515,069, published Sept. 21, 1948. Class 39.

Carey Salt Company, The, Hutchinson, Kans. Water softener salt, meat curing salt, ice cream salt, etc. 505,246, Dec. 28; Serial No. 537,148, published Aug. 31, 1948. Class 6.

Carner & McKewen: *See*—
McKewen, George E.

Carnrick, John, New York, N. Y., by Reed & Carnick, Jersey City, N. J. Nutritive compound. 25,787, Jan. 1, 1895. Republished Dec. 28. Class 6.

Carpenter Steel Company, The, Reading, Pa. Steel in the form of wire, strips, bars, etc. 441,733, Dec. 28; Serial No. 524,776, published Aug. 31, 1948. Class 14.

Carpinteria Mutual Citrus Association, Carpinteria, Calif. Lemons. 366,012, Mar. 28, 1939. Republished Dec. 28. Class 46.

Carrel, Ltd.: *See*—
Schramm-Johnson, Drugs.

Carrel, Ltd., Chicago, Ill. Lotion. 405,280, Jan. 18, 1944. Republished Dec. 28. Class 6.

Cavendish Trading Corporation, New York, N. Y. Paper products. 408,294, Aug. 1, 1944. Republished Dec. 28. Class 37.

Cavendish Trading Corporation, New York, N. Y. Cooking and baking dishes and tableware. 413,329, Apr. 17, 1945. Republished Dec. 28. Class 30.

Cavendish Trading Corporation, New York, N. Y. Playing cards, noise makers. 413,446, Apr. 24, 1945. Republished Dec. 28. Class 22.

Cavendish Trading Corporation, New York, N. Y. Textile fabrics in the piece. 414,026, May 22, 1945. Republished Dec. 28. Class 42.

Central Chemical Corporation, Hagerstown, Md. Insecticide and fungicide. 410,073, Nov. 7, 1944. Republished Dec. 28. Class 6.

Central Chemical Corporation of Maryland, Hagerstown, Md. Fertilizers. 353,017, Dec. 21, 1937. Republished Dec. 28. Class 10.

Central Chemical Corporation of Maryland, Hagerstown, Md. Fertilizers. 374,186, Jan. 2, 1940. Republished Dec. 28. Class 10.

Central Chemical Corporation of Maryland, Hagerstown, Md. Chemicals and insecticides. 396,215, June 30, 1942. Republished Dec. 28. Class 6.

Central Chemical Corporation of Maryland, Hagerstown, Md. Chemicals and insecticides. 415,402, Aug. 7, 1945. Serial No. 415,402. Republished Dec. 28. Class 6.

Central Indiana Coal Co., by Central Indiana Coal Company, Inc., Indianapolis, Ind. Coal. 173,306, Sept. 18, 1923. Republished Dec. 28. Class 1.

Central Indiana Coal Company, Inc.: *See*—
Central Indiana Coal Co.

Charles of The Ritz Distributors Corp., New York, N. Y. Lipsticks, face powder, rouge, etc. 505,273, Dec. 28; Serial No. 544,326, published Sept. 21, 1948. Class 6.
Charles Stores Company, Inc., New York, N. Y. Women's and misses' shoes and hosiery. 355,380, Mar. 15, 1938. Republished Dec. 28. Class 39.
Charles Stores Company, Inc., New York, N. Y. Men's dress, negligee, and work shirts, etc. 366,011, Mar. 28, 1939. Republished Dec. 28. Class 39.
Chicago Flexible Shaft Company, Chicago, Ill., now by change of name Sunbeam Corporation. Buffet service sets consisting of electrical appliances. 441,675, Dec. 28; Serial No. 488,196, published Sept. 21, 1948. Class 21.
Chore Utensils Corporation of America, The, assignee: *See*—
Kingman, Russell B.
Chore Utensils Corporation of America, The, Orange, by Metal Textile Corporation, Roselle, N. J. Scouring utensils. 163,807, Jan. 30, 1923. Republished Dec. 28. Class 4.
Chore Utensils Corporation of America, The, Orange, by Metal Textile Corporation, Roselle, N. J. Scouring utensils. 167,897, May 8, 1923. Republished Dec. 28. Class 4.
Church & Dwight Co., Inc., New York, N. Y. Bicarbonate of soda (baking soda). 505,166, Dec. 28; Serial No. 526,748, published Sept. 21, 1948. Class 4.
Church & Dwight Co., Inc., New York, N. Y. Sal soda, washing soda, monobydrated carbonate of soda, etc. 505,168, Dec. 28; Serial No. 526,797, published Sept. 14, 1948. Class 4.
Club Aluminum Products Co., Chicago, Ill. Base metal cooking and table hollow ware. 441,679, Dec. 28; Serial No. 495,270, published Feb. 10, 1948. Class 13.
Coast Laboratories, Atlantic City, N. J. Salve. 505,301, Dec. 28; Serial No. 549,617, published Sept. 21, 1948. Class 6.
Cobb, W. R., Company, Providence, R. I. Jewelers' findings. 276,956, Nov. 4, 1930. Republished Dec. 28. Class 28.
Cobb, W. R., Company, Providence, R. I. Jewelry and jewelers' findings. 374,657, Jan. 23, 1940. Republished Dec. 28. Class 28.
Colonial Knife Company, Inc., Providence, R. I. Pocket knives. 378,715, June 18, 1940. Republished Dec. 28. Class 23.
Colorado Fuel and Iron Corporation, The, Denver, Colo. Wire fencing. 441,729, Dec. 28; Serial No. 523,649, published Sept. 14, 1948. Class 13.
Colorgio Products, Whittier, Calif. Cleaner for furniture and automobile upholstery, traffic film remover, and rubbing compound. 324,538, May 21, 1935. Republished Dec. 28. Class 4.
Colorgio Products, Whittier, Calif. Wax preparation and polish. 324,756, May 28, 1935. Republished Dec. 28. Class 16.
Columbia Steel Equipment Company, Philadelphia, Pa. Filing cabinets. 226,636, Apr. 12, 1927. Republished Dec. 28. Class 32.
Columbus McKinnon Chain Corporation, Tonawanda, N. Y. General purpose chains. 441,697, Dec. 28; Serial No. 510,425, published Sept. 14, 1948. Class 13.
Conn, C. G., Ltd., Elkhart, Ind. Fishing-tackle boxes. 505,194, Dec. 28; Serial No. 529,529, published Sept. 7, 1948. Class 22.
Consolidated Iron-Steel Manufacturing Company, The, by The Consolidated Iron-Steel Manufacturing Company of 1932, Cleveland, Ohio. Oil lamp stoves. 163,039–40, Jan. 2, 1923. Republished Dec. 28. Class 34.
Consolidated Iron-Steel Manufacturing Company of 1932, The: *See*—
Consolidated Iron-Steel Manufacturing Company, The.
Consolidated Royal Chemical Corporation: *See*—
Foose, Alphonse P.
Germania Tea Company.
Cook, Paul L., doing business as Spring City Hosiery Mills, Spring City, Pa., by Prim Hosiery, Inc., Chester, Ill. Ladies' hosiery. 194,462, Jan. 27, 1925. Republished Dec. 28. Class 39.
Cooley Finishing Company, The, by Cooley, Incorporated, Pawtucket, R. I. Waterproof cotton duck or similar awning fabric. 269,076, Mar. 25, 1930. Republished Dec. 28. Class 42.
Cooley Finishing Company, The, by Cooley, Incorporated, Pawtucket, R. I. Waterproof cotton duck in the piece. 290,391, Jan. 5, 1932. Republished Dec. 28. Class 42.
Cooley, Incorporated: *See*—
Cooley Finishing Company, The.
Cooper, Wells & Co., St. Joseph, Mich. Hosiery. 505,222, Dec. 28; Serial No. 533,273, published Sept. 7, 1948. Class 39.
Corona Soapcrafters: *See*—
Rothschild, Lee.
Courtley, Ltd., New York, N. Y. Soaps, and shaving creams and soaps. 441,730, Dec. 28; Serial No. 524,302, published Sept. 14, 1948. Class 4.
Courtley, Ltd., New York, N. Y. Shaving creams. 441,731, Dec. 28; Serial No. 524,303, published Sept. 14, 1948. Class 4.
Covalda Date Company, Coachella, Calif. Fresh dates. 432,263, Aug. 26, 1947. Republished Dec. 28. Class 46.
Covina Citrus Association, Covina, Calif. Fresh citrus fruits. 317,344, Sept. 25, 1934. Republished Dec. 28. Class 46.
Coward Shoe, Inc., The, New York, N. Y. Shoes. 505,188, Dec. 28; Serial No. 528,855, published Sept. 7, 1948. Class 39.
Cox, Geo. S., Mfg. Co.: *See*—
Cox, George S.
Cox, George S., doing business as Geo. S. Cox Mfg. Co., St. Louis, Mo. Game boards. 505,261, Dec. 28; Serial No. 541,408, published Sept. 7, 1948. Class 22.
Cox, Irwin W., by The S. O. S. Company, Chicago, Ill. Cleanser and polish. 128,961, Jan. 20, 1920. Republished Dec. 28. Class 4.
Crawford, Daniel, & Son Limited, Glasgow, Scotland. Scotch whisky. 313,381, May 29, 1934. Republished Dec. 28. Class 49.
Creek Chub Bait Co., The, Garrett, Ind. Artificial baits. 242,113, May 15, 1928. Republished Dec. 28. Class 22.
Crib-Derby Co., The, St. Paul, Minn. Cribbage boards. 505,153, Dec. 28; Serial No. 517,836, published Sept. 7, 1948. Class 22.
Crucible Steel Company of America, New York, N. Y. Precision castings. 505,289, Dec. 28; Serial No. 547,236, published Sept. 7, 1948. Class 14.
Cudahy Packing Company, The, Chicago, Ill. Laundry bar soap. 505,311, Dec. 28; Serial No. 558,349, published Sept. 21, 1948. Class 4.
Dairy Laboratories, The, Philadelphia, Pa. Cultures for making starter in the manufacture of buttermilk, butter, etc. 191,831, Nov. 18, 1924. Republished Dec. 28. Class 46.
Dalare Associates, Philadelphia, Pa. Fermented cultures, veterinary antiseptic, deodorants, etc. 330,411, Dec. 3, 1935. Republished Dec. 28. Class 6.
Daly Bros. Shoe Co., Inc., Boston, Mass. Shoes. 441,681, Dec. 28; Serial No. 498,120, published Sept. 21, 1948. Class 39.
Dane, Ernest B., and A. J. Meserve, trustees, doing business as The Shepherd Worsted Mills, by Shepherd Worsted Mills, Newton, Mass. Fingering yarns. 196,816, Mar. 31, 1925. Republished Dec. 28. Class 43.
Dane, Ernest B., and A. J. Meserve, trustees, doing business as The Shepherd Worsted Mills, by Shepherd Worsted Mills, Newton, Mass. Fingering yarns. 196,818, Mar. 31, 1925. Republished Dec. 28. Class 43.
Dan-Mar Trouser Company, Baltimore, Md. Men's and boys suits, trousers and sportswear. 441,703, Dec. 28; Serial No. 513,032, published Sept. 7, 1948. Class 39.
Deans, J., & Co. Limited: *See*—
Anderson & Shaw, Limited.
Delaware Tool Steel Corporation, Wilmington, Del. Bar tool steel. 505,295, Dec. 28; Serial No. 547,976, published Sept. 7, 1948. Class 14.
Dentists' Supply Company of New York, The, New York, N. Y., and York, Pa. Porcelain teeth. 70,927, re-renewed Oct. 20, 1948. O. G. Dec. 28. Class 44.
Denver Chemical Manufacturing Company, The, New York, N. Y. Medicated rub. 505,302, Dec. 28; Serial No. 550,030, published Sept. 7, 1948. Class 6.
Detrex Corporation: *See*—
Rex Products & Mfg. Company.
Deutschmeister Brothers: *See*—
The Oak Press.
De Witt, E. C., & Co., by E. C. De Witt & Co. Inc., Chicago, Ill. Cream for external application. 44,550, July 11, 1905. Republished Dec. 28. Class 6.
De Witt, E. C., & Co., by E. C. De Witt & Co. Inc., Chicago, Ill. Salves. 45,039, Aug. 1, 1905. Republished Dec. 28. Class 6
De Witt, E. C., & Co. Inc.: *See*—
De Witt, E. C., & Co.
De Witt, E. C., & Co. Inc., Chicago, Ill. Eye bath. 192,053, Nov. 25, 1924. Republished Dec. 28. Class 6.
De Witt, E. C., & Co. Inc., Chicago, Ill. Cough sirup. 201,008, July 14, 1925. Republished Dec. 28. Class 6.
De Witt, E. C., & Co. Inc., Chicago, Ill. Expectorant and a cough syrup. 414,502, June 12, 1945. Republished Dec. 28. Class 6.
Diamond Calk Horse Shoe Company, Duluth, Minn. Horseshoes and horseshoe calks. 168,676, May 29, 1923. Republished Dec. 28. Class 3.
Diamond Calk Horse Shoe Company, Duluth, Minn. Wrenches. 209,074, Feb. 16, 1926. Republished Dec. 28. Class 23.
Diamond Calk Horse Shoe Company, Duluth, Minn. Wrenches and parts thereof, adjustable hand wrenches, wrench sets and cases, etc. 401,456, May 18, 1943. Republished Dec. 28. Class 23.
Diamond Calk Horse Shoe Company, Duluth, Minn. Single end adjustable wrenches, double end adjustable wrenches, wrench parts, etc. 401,457, May 18, 1943. Republished Dec. 28. Class 23.
Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y. Vitamin preparations. 505,229, Dec. 28; Serial No. 534,005, published Sept. 7, 1948. Class 6.
Diversey Corporation, The, Chicago, Ill. Cleanser in liquid form. 505,144, Dec. 28; Serial No. 513,810, published Sept. 14, 1948. Class 4.
Diversey Corporation, The, Chicago, Ill. Scale and milkstone deposit remover in powdered form, etc. 505,230, Dec. 28; Serial No. 534,881, published Sept. 14, 1948. Class 4.
Dollfus-Mieg & Cie. Société Anonyme, Mulhausen, Germany, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France. Cotton, linen, silk, etc. 69,438, re-renewed June 16, 1948. O. G. Dec. 28. Class 43.

Dollfus-Mieg & Cie. Société Anonyme, Mulhausen, Germany, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France. Yarns and threads made of cotton, wool, silk, etc. 70,360–1, re-renewed Aug. 25, 1948. O. G. Dec. 28. Class 43.
Dollfus-Mieg & Cie. Société Anonyme, Mulhausen, Germany, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France. Yarns and threads made of cotton, silk, wool, etc. 70,827, re-renewed Oct. 6, 1948. O. G. Dec. 28. Class 43.
Doughboy Industries, Inc., New Richmond, Wis. Electrically heated and operated bar type machine. 432,855, Sept. 16, 1947. Republished Dec. 28. Class 21.
Dowst Manufacturing Company, Chicago, Ill. Miniature toys. 505,201, Dec. 28; Serial No. 530,477, published Sept. 7, 1948. Class 22.
Drackett Chemical Company, The, by The Drackett Company, Cincinnati, Ohio. Caustic soda, chlorinated lime, epsom salt, etc. 303,123, May 9, 1933. Republished Dec. 28. Class 6.
Drackett Company, The: *See*—
Drackett Chemical Company, The.
Dublin, R. V., Company, The, Jacksonville and Laredo, Tex. Fresh vegetables. 405,266, Jan. 18, 1944. Republished Dec. 28. Class 46.
Dublin, R. V., Company, The, Jacksonville, and Laredo, Tex. Fresh fruits and fresh vegetables. 416,893, Oct. 2, 1945. Republished Dec. 28. Class 46.
Dunlap, Ethelbert H., doing business as Dunlap Medicine Company, to Morna Wright, doing business as Morna Wright Medicine Company, Memphis, Tenn. Medicine for the treatment of colic in mules and horses. 248,473, renewed Oct. 23, 1948. O. G. Dec. 28. Class 6.
Dunlap Medicine Company: *See*—
Dunlap, Ethelbert H.
Dunn, Richard T., doing business as The Smile Remedy Company, St. Louis, Mo. Salve for drawing and healing and for treatment of boils. 505,263, Dec. 28; Serial No. 541,748, published Sept. 21, 1948. Class 6.
Eagle Knitting Mills, Milwaukee, Wis., by Eagle Knitting Mills, Inc., Milwaukee, Wis. Knit goods. 225,455, Mar. 22, 1927. Republished Dec. 28. Class 39.
Eagle Knitting Mills, Inc.: *See*—
Eagle Knitting Mills.
Earnshaw Knitting Company, Chicago, Ill., by The Vanta Company, Newton, Mass. Undershirts. 85,801, Mar. 19, 1912. Republished Dec. 28. Class 39.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Infants' and children's knitted underwear. 228,691, June 7, 1927. Republished Dec. 28. Class 39.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Children's and infants' underwear and undergarments and knitted undergarments, etc. 257,158, May 28, 1929. Republished Dec. 28. Class 39.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Children's and infants' fabrics. 257,346, June 4, 1929. Republished Dec. 28. Class 42.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Children's and infants' underwear and undergarments. 262,156, Oct. 1, 1929. Republished Dec. 28. Class 39.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Children's and infants' underwear and undergarments. 262,242, Oct. 1, 1929. Republished Dec. 28. Class 39.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Children's and infants' underwear and undergarments. 291,776, Feb. 23, 1932. Republished Dec. 28. Class 39.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Castile soap. 292,060, Mar. 1, 1932. Republished Dec. 28. Class 4.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Castile soap. 292,130–1, Mar. 1, 1932. Republished Dec. 28. Class 4.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Sterilized baby powder. 292,487–9, Mar. 15, 1932. Republished Dec. 28. Class 6.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Sterilized olive oil. 292,558, Mar. 15, 1932. Republished Dec. 28. Classes 6 and 46.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Sterilized olive oil. 292,579–80, Mar. 15, 1932. Republished Dec. 28. Classes 6 and 46.
Earnshaw Knitting Company, by The Vanta Company, Newton, Mass. Infants' and children's shirts, vests, union suits, etc. 357,492–3, June 7, 1938. Republished Dec. 28. Class 39.
Eastern Gas and Fuel Associates, Boston, Mass. Coal. 505,249, Dec. 28; Serial No. 538,505, published Sept. 21, 1948. Class 1.
Eaton Laboratories, Inc., Norwich, N. Y. Antibacterial preparations. 441,715, Dec. 28; Serial No. 517,837, published Oct. 7, 1947. Class 6.
Ecouomy Auto Stores, Inc., Atlanta, Ga. Accessories, replacement parts and supplies for automotive vehicles. 395,756, June 9, 1942. Republished Dec. 28. Class 19.
Economy Auto Stores, Inc., Atlanta, Ga. Electric generators, spark plugs, radio receiving sets, etc. 396,142, June 30, 1942. Republished Dec. 28. Class 21.
Economy Fuse and Manufacturing Company, Chicago, Ill. Electrical fuses. 180,677, Mar. 4, 1924. Corrected. O. G. Dec. 28. Class 21.
Edelstein, Gus, Gro. & Co., by Gus Edelstein & Bro. Inc., New York, N. Y. Hosiery and underwear. 264,756, Dec. 3, 1929. Republished Dec. 28. Class 39.
Edelstein, Gus, & Bro. Inc.: *See*—
Edelstein, Gus, Bro. & Co.
Educational Research Laboratories: *See*—
Sadony, Arthur J.
Edward Valves, Inc., East Chicago, Ind. Valve stem operating mechanism for fluid control valves. 505,155, Dec. 28; Serial No. 519,383, published Sept. 14, 1948. Class 13.
Edwards, J., & Co., Philadelphia, Pa. Leather shoes. 505,159, Dec. 28; Serial No. 522,731, published Sept. 7, 1948. Class 39.
Electrix Corporation: *See*—
Herman, William P.
Eliscu & Company, Inc., New York, N. Y. Floatable toys comprising various shapes. 441,718, Dec. 28; Serial No. 518,074, published Sept. 7, 1948. Class 22.
Emanuel, Jay, Publications, Inc., Philadelphia, Pa. Trade publication issued annually. 380,043, Aug. 6, 1940. Republished Dec. 28. Class 38.
Endocrine Company, Union City, N. J. Natural and synthetic estrogenic hormone substances. 505,308, Dec. 28; Serial No. 552,046, published Sept. 21, 1948. Class 6.
Enro Shirt Company, The, Louisville, Ky. Negligee and dress shirts, underwear, and pajamas. 307,642, Oct. 31, 1933. Republished Dec. 28. Class 39.
Enro Shirt Company, The, Louisville, Ky. Men's negligee and dress shirts and pajamas. 329,482, Oct. 29, 1935. Republished Dec. 28. Class 39.
Enro Shirt Company, The, Louisville, Ky. Men's negligee and dress shirts, and pajamas. 338,382, Sept. 1, 1936. Republished Dec. 28. Class 39.
Epps, Elias, doing business as Pacific Hop Exchange, Detroit, Mich. Hops. 505,154, Dec. 28; Serial No. 518,394, published Sept. 21, 1948. Class 1.
Evans, L. B., Son Co., Wakefield, Mass. Women's, men's, and boys' house slippers. 505,235, Dec. 28; Serial No. 534,618, published Sept. 21, 1948. Class 39.
Fahrbach Chemical Company: *See*—
Fahrbach, Frank M.
Fahrbach, Frank M., doing business as Fahrbach Chemical Company, Newton, Miss. Chemical preparation. 441,737, Dec. 28; Serial No. 525,811, published Aug. 24, 1948. Class 6.
Fairy Brassiere Co., Inc., by Graceform-Camlin Corset Co., Inc., New York, N. Y. Brassières, girdles, and combination brassières and corsets. 277,010, Nov. 4, 1930. Republished Dec. 28. Class 39.
Famous Lady, Woodbine, N. J. Women's suits and coats. 505,278, Dec. 28; Serial No. 544,716, published Sept. 7, 1948. Class 39.
Faraday Electric Corporation, Adrian, Mich., now by change of name Sperti Faraday Inc. Insulated electric wire strands equipped with terminals thereof. 441,671, Dec. 28; Serial No. 476,605, published Feb. 3, 1948. Class 21.
Farmco, Inc., Jersey City, N. J., and New York, N. Y. Electric refrigerators. 422,089, July 2, 1946. Republished Dec. 28. Class 31.
Farmco, Inc., Jersey City, N. J., and New York, N. Y. Gas water heaters. 422,211, July 9, 1946. Republished Dec. 28. Class 34.
Farmco, Inc., Jersey City, N. J., and New York, N. Y. Electric motors. 423,515, Sept. 3, 1946. Republished Dec. 28. Class 21.
Farmco, Inc., Jersey City, N. J., and New York, N. Y. Electric cream separators. 423,516, Sept. 3, 1946. Republished Dec. 28. Class 23.
Farmco, Inc., Jersey City, N. J., and New York, N. Y. Household type electric clothes washing machines. 431,216, July 15, 1947. Republished Dec. 28. Class 24.
Federal Container Company, Philadelphia, Pa. Boxes and shipping cases. 243,509, June 26, 1928. Republished Dec. 28. Class 2.
Fielding, Michael, doing business as Modern Deodorant Company, Jamaica, Long Island, N. Y. Industrial deodorants. 505,285, Dec. 28; Serial No. 546,573, published Sept. 21, 1948. Class 6.
Fine Products Corporation: *See*—
Nunnally Company, The.
Firth Sterling Steel & Carbide Corp.: *See*—
Globe Wire Co., Ltd.
Fisher Flouring Mills Company: *See*—
Koenigsmark Mill Company.
Sherwood, Edward J.
Fisher Flouring Mills Company, Seattle, Wash. Cereal product. 429,543, May 6, 1947. Republished Dec. 28. Class 46.
Fleming-Green Co. Inc., by The Piknik Products Company, Montgomery, Ala. Mayonnaise, prepared vegetable and egg paste, etc. 188,061, Aug. 19, 1924. Republished Dec. 28. Class 46.
Folsom, H. & D., Arms Co. Inc., The, New York, N. Y. Pistol holsters. 505,297, Dec. 28; Serial No. 548,736, published Sept. 21, 1948. Class 9.
Foose, Alphonse P., Dayton, Ohio, by Consolidated Royal Chemical Corporation, Chicago, Ill. Remedy for foot ailments. 99,387, Aug. 25, 1914. Republished Dec. 28. Class 6.

Foote Mineral Company, Philadelphia, Pa. Lithium salt of a long chain fatty acid having lubricating properties of itself. 505,282, Dec. 28; Serial No. 546,212, published Sept. 21, 1948. Class 6.

Ford Company, J. B., The, Wyandotte, Mich., to B. T. Babbitt, Inc., New York, N. Y. Lye and chlorinated lime. 252,553, renewed Feb. 12, 1949. O. G. Dec. 28. Class 6.

Fox Knapp Mfg. Co., New York, N. Y. Men's and boys' mackinaws and sportswear. 361,590, Oct. 25, 1938. Republished Dec. 28. Class 39.

Franek & Company, Inc., New Orleans, La., by E. & J. Gallo Winery, Modesto, Calif. Wines. 325,327, June 18, 1935. Republished Dec. 28. Class 47.

Frank Bros.-Neptune Mfg. Co., Louisville, Ky. Men's topcoats and overcoats. 505,157, Dec. 28; Serial No. 521,125, published Sept. 21, 1948. Class 39.

Frank Brothers, to Frank Brothers Footwear, Inc., New York, N. Y. Boots and shoes. 71,292, re-renewed Nov. 17, 1948. O. G. Dec. 28. Class 39.

Frank Brothers, to Frank Brothers, Footwear, Inc., New York, N. Y. Boots and shoes. 71,578, re-renewed Dec. 1, 1948. O. G. Dec. 28. Class 39.

Frank Brothers Footwear, Inc.: *See*—
Frank Brothers.

Franklin Picture Frame Co., Chicago, Ill. Picture hangers. 441,709, Dec. 28; Serial No. 515,418, published Sept. 21, 1948. Class 13.

Franklin Silver Plate Company, by Rogers, Lunt & Bowlen Company, Greenfield, Mass. Knives, forks, spoons, napkin rings, napkin markers, cups, bowls, etc. 151,482, Feb. 7, 1922. Republished Dec. 28. Classes 13, 22, 28.

Freedman, Harry, doing business as The Boston Top Lift Company, Boston, Mass. Leather top lifts and heels. 505,137, Dec. 28; Serial No. 509,629, published Sept. 7, 1948. Class 39.

Frozen Arts, by Frozen Arts (1947), Chicago, Ill. Ice cream, ices and frozen puddings. 198,534, May 19, 1925. Republished Dec. 28. Class 46.

Frozen Arts (1947): *See*—
Frozen Arts.

Galbani, Egidio, Melzo, Italy, by Bel Paese Sales Co. Inc., New York, N. Y. Cheeses. 134,502, Sept. 7, 1920. Republished Dec. 28. Class 46.

Galbani, S. A., Egidio, Melzo, Milan, Italy, by Bel Paese Sales Co., Inc., New York, N. Y. Cheese. 270,321, May 6, 1930. Republished Dec. 28. Class 46.

Galbani, S. A. Egidio, Melzo, Italy, by Bel Paese Sales Co. Inc., New York, N. Y. Cheese. 356,936–7, May 17, 1938. Republished Dec. 28. Class 46.

Galbani, S. A. Egidio, Melzo, Italy, by Bel Paese Sales Co. Inc., New York, N. Y. Cheese. 357,538, June 7, 1938. Republished Dec. 28. Class 46.

Gallatin Valley Milling Company, Seattle, Wash. Wheat flour. 148,034–6, Nov. 8, 1921. Republished Dec. 28. Class 46.

Gallatin Valley Milling Company, Seattle, Wash. Wheat flour. 148,039–42, Nov. 8, 1921. Republished Dec. 28. Class 46.

Gallatin Valley Milling Company, Seattle, Wash. Wheat flour. 148,654, Nov. 22, 1921. Republished Dec. 28. Class 46.

Gallatin Valley Milling Co., West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 282,089, Apr. 7, 1931. Republished Dec. 28. Class 46.

Gallatin Valley Milling Co., West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 282,970, May 12, 1931. Republished Dec. 28. Class 46.

Gallo, E. & J., Winery: *See*—
Franek & Company, Inc.

Gallo, E. & J., Winery, Modesto, Calif. Brandy. 395,583, June 2, 1942. Republished Dec. 28. Class 49.

Galter, Jack: *See*—
Schiff, Henry T.
Utility Manufacturing Company, Inc.

Galter Products Co.: *See*—
Match King, Inc.

Gebhardt Chili Powder Company, San Antonio, Tex. Canned tamales. 370,069, Aug. 15, 1939. Republished Dec. 28. Class 46.

Gelles, Max, doing business as Gelles Neckwear Co., Boston, Mass. Men's neckties. 251,076, renewed Dec. 25, 1948. O. G. Dec. 28. Class 39.

Gelles Neckwear Co.: *See*—
Gelles, Max.

General Aniline & Film Corporation, New York, N. Y. Liquid or finely-divided solid organic chemical detergent. 505,310, Dec. 28; Serial No. 537,035, published Sept. 14, 1948. Class 4.

General Chemical Company, now by merger Allied Chemical & Dye Corporation, New York, N. Y. Insecticides and fungicides. 184,349–50, May 20, 1924. Republished Dec. 28. Class 6.

General Chemical Company, now by merger Allied Chemical & Dye Corporation, New York, N. Y. Heavy chemicals. 215,759, July 27, 1926. Republished Dec. 28. Class 6.

General Coal Company, Wilmington, Del., and Philadelphia, Pa. Coal and coke. 192,014, Nov. 25, 1924. Republished Dec. 28. Class 1.

General Coal Company, Philadelphia, Pa. Coal. 390,845, Oct. 7, 1941. Republished Dec. 28. Class 1.

General Steel Warehouse Co., Inc., Chicago, Ill. Cold finished steel bars, aircraft strip steel, cold rolled strip steel, etc. 505,131, Dec. 28; Serial No. 491,474, published Aug. 31, 1948. Class 14.

General Thread Mills, Inc., The, Boston, Mass. Cotton thread. 431,286, July 15, 1947. Republished Dec. 28. Class 43.

Germania Tea Company, Minneapolis, Minn., by Consolidated Royal Chemical Corporation, Chicago, Ill. Medicines. 285,647, Aug. 4, 1931. Republished Dec. 28. Class 6.

Gerson, Sam, by Sam Gerson, Inc., Philadelphia, Pa. Men's clothing. 328,552, Oct. 1, 1935. Republished Dec. 28. Class 39.

Gerson, Sam, by Sam Gerson, Inc., Philadelphia, Pa. Men's clothing. 328,559, Oct. 1, 1935. Republished Dec. 28. Class 39.

Gerson, Sam, Inc.: *See*—
Gerson, Sam.

Gerson, Samuel, by Sam Gerson, Inc., Philadelphia, Pa. Men's an boys' suits. 338,508, Sept. 8, 1936. Republished Dec. 28. Class 39.

Gevaert Photo Producten, N. V., Antwerp, Belgium. Sensitized photographic papers, plates, films, etc. 441,711, Dec. 28; Serial No. 516,127, published Sept. 21, 1948. Class 26.

Givlemme, S. A., Milano, Italy. Perfumes, face powders, toilet waters, etc. 505,256, Dec. 28; Serial No. 539,867, published Sept. 21, 1948. Class 6.

Gladding, B. F. & Co. Inc., South Otselic, N. Y. Fishing lines. 505,171, Dec. 28; Serial No. 527,069, published Sept. 7, 1948. Class 22.

Globe Brewing Company, The: *See*—
Gottlieb Bauernschmidt Straus Brewing Company, The.

Globe Brewing Company, The, Baltimore, Md. Ale and beer. 344,847, Apr. 6, 1937. Republished Dec. 28. Class 48.

Globe Brewing Company, The, Baltimore, Md. Ale. 344,848, Apr. 6, 1937. Republished Dec. 28. Class 48.

Globe Tool & Engineering Company, The, Dayton, Ohio. Dynamic balancing machines. 505,133, Dec. 28; Serial No. 500,076, published Sept. 21, 1948. Class 26.

Globe Wire Company, Limited, Sharpsburg, by Firth Sterling Steel & Carbide Corp., McKeesport, Pa. Polished drill-rods and drawn wire. 67,461, Feb. 4, 1908. Republished Dec. 28. Class 14.

Gorton-Pew Fisheries Company, Limited, Gloucester, Mass. Salted codfish. 426,636, Jan. 7, 1947. Republished Dec. 28. Class 46.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Poultry feed supplement. 433,861, Nov. 4, 1947. Republished Dec. 28. Class 46.

Gottlieb Bauernschmidt Straus Brewing Company, The, by The Globe Brewing Company, Baltimore, Md. Lager-beer. 103,853, Apr. 20, 1915. Republished Dec. 28. Class 48.

Gottlieb Bauernschmidt Straus Brewing Company, by The Globe Brewing Company, Baltimore, Md. Lager-beer. 104,610, June 8, 1915. Republished Dec. 28. Class 48.

Graceform-Camlin Corset Co., Inc.: *See*—
Camlin Corset Co. Inc.
Fairy Brasslere Co., Inc.

Gray, Dorothy, to Lehn & Fink Products Corporation, Bloomfield, N. J. Toilet preparations. 254,056, renewed Mar. 12, 1949. O. G. Dec. 28. Class 6.

Greenberg-Fisch Hat Co., New York, N. Y. Ladies' hats. 441,732, Dec. 28; Serial No. 524,454, published Sept. 7, 1948. Class 39.

Greene, Tweed & Co., New York, N. Y., to Greene, Tweed & Co., North Wales, Pa. Packing for stuffing boxes, etc. 253,531–2, renewed Feb. 26, 1949. O. G. Dec. 28. Class 35.

Greer, William & Co. Limited, Glasgow, Scotland. Scotch whisky. 365,952, Mar. 21, 1939. Republished Dec. 28. Class 49.

Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Liquid preparation for polishing leather shoes. 505,292, Dec. 28; Serial No. 547,627, published Sept. 14, 1948. Class 4.

Groat, H. S., & Company, to Jensen-McLean Company, Inc., Seattle, Wash. Canned fruits. 238,208, renewed Jan. 31, 1948. O. G. Dec. 28. Class 46.

Guerrieri, Lewis, doing business as California Mission Vintage Co., Los Angeles, Calif., assignor to A. Moramarco, by Many, Blanc & Co., Inc., Lawrenceburg, Ind. Wines. 355,314, Mar. 15, 1938. Republished Dec. 28. Class 47.

Guy, Ralph L., doing business as The Rig Company, Glendale, Calif. Vitamin preparation, in tablet form. 505,156, Dec. 28; Serial No. 520,101, published Sept. 14, 1948. Class 6.

Haas, Baruch & Co., Los Angeles, Calif. Canned fruits, canned vegetables, canned fish, etc. 153,740, Mar. 28, 1922. Republished Dec. 28. Class 46.

Hair Research Studio, Chicago, Ill. Hair dressing preparations. 505,284, Dec. 28; Serial No. 546,493, published June 15, 1948. Class 6.

Hanson-Van Winkle-Munning Company, Matawan, N. J. Electroplating bath ingredients. 432,437, Sept. 2, 1947. Republished Dec. 28. Class 6.

Hanson-Van Winkle-Munning Company, Matawan, N. J. Electroplating anodes. 432,438, Sept. 2, 1947. Republished Dec. 28. Class 14.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire brick. 330,697, Dec. 10, 1935. Republished Dec. 28. Class 12.

Harris Eye Lotion Co., Inc., New York, N. Y. Eye lotion, eye drops. 505,181, Dec. 28; Serial No. 528,208, published Aug. 31, 1948. Class 6.

Hat Corporation of America, Norwalk, Conn. Men's hats and caps and hats for women. 505,271, Dec. 28; Serial No. 543,922, published Sept. 7, 1948. Class 39.

Hat Corporation of America, Norwalk, Conn. Men's hats and caps and hats for women. 505,279, Dec. 28; Serial No. 544,733, published Sept. 7, 1948. Class 39.

Heddon's, James, Sons, Dowagiac, Mich. Fishing rods. 505,230, Dec. 28; Serial No. 534,121, published Sept. 14, 1948. Class 22.

Henrite Products Co., Inc., Jersey City, N. J., by Henrite Products Corporation, Ironton, Ohio. Commutator brushes. 230,874, Aug. 9, 1927. Republished Dec. 28. Class 21.

Henrite Products Corporation: *See*—
Henrite Products Co., Inc.

Henrose Co. Inc., The, New York, N. Y. Piece goods. 422,625, Aug. 6, 1946. Republished Dec. 28. Class 42.

Herbrand Co., The, Fremont, by The Bingham-Herbrand Corporation, Toledo and Fremont, Ohio. Wrenches. 266,707, Jan. 28, 1930. Republished Dec. 28. Class 23.

Hercules Powder Company, Wilmington, Del. Specially constructed cartridges. 505,288, Dec. 28; Serial No. 546,904, published Sept. 21, 1948. Class 9.

Herman, William P., Providence, by Electrix Corporation, Pawtucket, R. I. Electrical fixtures. 353,114, Dec. 28, 1938. Republished Dec. 28. Class 21.

Hersey Manufacturing Company, Portland, Maine, and Boston, Mass., by Hersey Manufacturing Company, Boston, Mass. Sugar-granulators, cube machines, driers, etc. 65,724, Oct. 22, 1907. Republished Dec. 28. Class 23.

Hettrick Manufacturing Company, The, Toledo, Ohio. Fabric belting. 505,205, Dec. 28; Serial No. 531,124, published Sept. 21, 1948. Class 35.

Hettrick Manufacturing Company, The, Toledo, Ohio. Fabric belting. 505,206, Dec. 28; Serial No. 531,129, published Sept. 21, 1948. Class 35.

Hilger Company, The: *See*—
Hilger, W. P.

Hilger, W. P., doing business as The Hilger Company, by The Hilger Company, St. Cloud, Minn. Floor sanding machines. 398,941, Dec. 8, 1942. Republished Dec. 28. Class 23.

Hillerich & Bradsby Co., Louisville, Ky. Baseball bats and miniature baseball bats. 505,257, Dec. 28; Serial No. 540,072, published Sept. 14, 1948. Class 22.

Hollywood Silk Mills, by Mabs, Inc., Los Angeles, Calif. Panties, foundation garments, bathing suits, etc. 367,221, May 9, 1939. Republished Dec. 28. Class 39.

Hollywood Silk Mills, by Mabs, Inc., Los Angeles, Calif. Swim suits for women, boys, and men. 420,740, Apr. 30, 1946. Republished Dec. 28. Class 39.

Horrocks-Ibbotson Company, Utica, N. Y. Fishing rods and poles, fishing reels, etc. 441,705, Dec. 28; Serial No. 513,418, published Sept. 7, 1948. Class 22.

Howard, Dorothy D., doing business as Wright Drug Company, Greenville, S. C. Medicine. 505,300, Dec. 28; Serial No. 549,258, published Sept. 21, 1948. Class 6.

Howard, J. W. & A. P., Company: *See*—
Howard, J. W. & A. P., & Co., Ltd.

Howard, J. W. & A. P., Company, Corry, Pa. Sole leather. 280,684, Feb. 24, 1931. Republished Dec. 28. Class 1.

Howard, J. W. & A. P., Company, Corry, Pa. Sole-leather. 330,127, Nov. 19, 1935. Republished Dec. 28. Class 1.

Howard, J. W. & A. P., & Co., Ltd., by J. W. & A. P. Howard Company, Corry, Pa. Sole-leather. 101,288, Nov. 24, 1914. Republished Dec. 28. Class 1.

Hoyle, Joshua, & Sons, Ltd. Inc., to H. J. Timmerman, New York, N. Y. Woolen piece goods, cotton piece goods, wool blankets, etc. 227,723, renewed May 17, 1947. O. G. Dec. 28. Class 42.

Hoyle, Joshua, & Sons, Ltd. Inc., to H. J. Timmerman, New York, N. Y. Beach robes, bath gowns, and bath robes. 228,173, renewed May 24, 1947. O. G. Dec. 28. Class 39.

Independent Milwaukee Brewery, Milwaukee, Wis. Malt beverage. 300,866, Feb. 14, 1933. Republished Dec. 28. Class 48.

Industrial Oil Corporation, Warren, Pa. Cleaning fluid. 441,690, Dec. 28; Serial No. 504,275, published Feb. 17, 1948. Class 4.

Industrial Seals Corporation, Trenton, N. J. Pliable semi-metallic industrial packing. 505,266, Dec. 28; Serial No. 542,318, published Sept. 21, 1948. Class 35.

Instrumaster Industries: *See*—
Boehm, Paul F.

International Commercial Co., Inc., Chicago, Ill., now by change of name International Packers Commercial Co. Inc. Bones and gall. 505,233, Dec. 28; Serial No. 534,533, published Sept. 21, 1948. Class 1.

International Packers Commercial Co., Inc.: *See*—
International Commercial Co., Inc.

International Silver Company, The, Meriden, Conn. Silver plated flat-ware and hollow-ware. 505,251, Dec. 28; Serial No. 539,061, published Aug. 10, 1948. Class 28.

Internationale Cacaofabrieken: *See*—
Van Heusden, John B.

Irvine Valencia Growers, Irvine, Calif. Fresh citrus fruits. 251,277, Jan. 1, 1929. Republished Dec. 28. Class 46.

Irvine Valencia Growers, Irvine, Calif. Fresh citrus fruits. 252,221, Jan. 29, 1929. Republished Dec. 28. Class 46.

Ivanhoe Foods, Inc.: *See*—
Meaker, C. G., Co. Inc.
Symington, W. & Co., Limited.

Ivanhoe Foods, Inc., Auburn, N. Y. Canned salads. 346,186, May 18, 1937. Republished Dec. 28. Class 46.

Ivanhoe Foods, Inc., Auburn, N. Y. Canned salads. 346,227, May 18, 1937. Republished Dec. 28. Class 46.

Ivanhoe Foods, Inc., Auburn, N. Y. Dehydrated vegetables and dehydrated prepared soups. 401,277, May 4, 1943. Republished Dec. 28. Class 46.

Ivanhoe Mutual Orange Association, Ivanhoe, Calif. Fresh citrus fruits. 395,296, May 19, 1942. Republished Dec. 28. Class 46.

Jacobson, James J., New York, N. Y. Skewers. 441,685, Dec. 28; Serial No. 499,237, published Sept. 21, 1948. Class 13.

Jarod Manufacturing Corp., Rockville Centre, N. Y. Men's outer shirts. 441,713, Dec. 28; Serial No. 517,137, published Sept. 21, 1948. Class 39.

Jefferson Island Salt Company, by Jefferson Island Salt Company, Louisville, Ky. Table salt. 317,935–6, Oct. 9, 1934. Republished Dec. 28. Class 46.

Jefferson Island Salt Company, Louisville, Ky. Table salt. 322,953, Mar. 26, 1935. Republished Dec. 28. Class 46.

Jenkins, George O., Company, Bridgewater, Mass. Leather fibre dust guards and wedges. 505,164, Dec. 28; Serial No. 526,667, published Sept. 21, 1948. Class 35.

Jensen-McLean Company, Inc.: *See*—
Groat, H. S. & Company.

Jewel Paint & Varnish Co.: *See*—
Wadsworth-Howland Company.

Jewel Paint & Varnish Co., Chicago, Ill. Metal polish. 275,339, Sept. 23, 1930. Republished Dec. 28. Class 4.

Jewel Paint & Varnish Co., Chicago, Ill. Ready mixed paint, varnish stain, oil stain, iron paint, flat paint, etc. 276,711, Oct. 28, 1930. Republished Dec. 28. Class 16.

Jewel Paint and Varnish Co., Chicago, Ill. Ready mixed paint and paint enamels and varnish. 325,591, July 2, 1935. Republished Dec. 28. Class 16.

Jewel Paint & Varnish Co., Chicago, Ill. Paint and varnish remover. 334,098, Apr. 21, 1936. Republished Dec. 28. Class 16.

Jewel Paint & Varnish Co., Chicago, Ill. Ready mixed and paste paints, varnishes, paint enamels. 388,270, June 17, 1941. Republished Dec. 28. Class 16.

Junior Sports: *See*—
White, Alexander H., Inc.

Kalla Corporation, The, Minneapolis, Minn. Rotary tooth brushes. 505,190, Dec. 28; Serial No. 529,391, published Aug. 24, 1948. Class 29.

Kansas City Wholesale Grocery Co., Kansas City, Mo. Canned fruits, dried fruits, canned vegetables, canned salmon, etc. 74,046, June 15, 1909. Republished Dec. 28. Class 46.

Kansas City Wholesale Grocery Co., by Pickwick Products, Inc., Kansas City, Mo. Canned vegetables, canned fruits, etc. 74,505, July 20, 1909. Republished Dec. 28. Class 46.

Kansas City Wholesale Grocery Co., by Pickwick Products, Inc., Kansas City, Mo. Pencils and school tablets and toilet paper. 222,148, Dec. 21, 1926. Republished Dec. 28. Class 37.

Kansas City Wholesale Grocery Co., by Pickwick Products, Inc., Kansas City, Mo. Paper bags. 222,949, Jan. 11, 1927. Republished Dec. 28. Class 2.

Kansas City Wholesale Grocery Co., by Pickwick Products, Inc., Kansas City, Mo. Soap. 224,295, Feb. 22, 1927. Republished Dec. 28. Class 4.

Kansas City Wholesale Grocery Co., by Pickwick Products, Inc., Kansas City, Mo. Canned vegetables, canned fruit, dried fruit, etc. 225,711, Mar. 22, 1927. Republished Dec. 28. Class 46.

Karen, Kay, Inc., New York, N. Y. Infants', misses' and ladies' dresses, house coats, sport dresses and play suits. 375,231, Feb. 13, 1940. Republished Dec. 28. Class 39.

Kasco Mills, Inc., Waverly, N. Y. Dairy feed calculating chart. 505,167, Dec. 28; Serial No. 526,753, published Sept. 21, 1948. Class 26.

Kaylon Incorporated, New York, N. Y. Women's and children's pajamas, pajama coats, beach coats, etc. 505,243, Dec. 28; Serial No. 536,532, published Sept. 7, 1948. Class 39.

Keith, Theodore R., Nutley, N. J. Board game played with marbles. 505,216, Dec. 28; Serial No. 531,917, published Sept. 7, 1948. Class 22.

Kem Plastic Playing Cards, Inc., New York, N. Y. Playing cards. 505,214–15, Dec. 28; Serial No. 531,483–4, published Sept. 14, 1948. Class 22.

Kestenman Bros. Mfg. Co., Providence, R. I. Jewelry. 409,705, Oct. 17, 1944. Republished Dec. 28. Class 28.

King Cole Candies, Inc.: *See*—
King Cole Company.

King Cole Company, by King Cole Candies, Inc., Chicago, Ill. Candy bars. 408,657, Aug. 22, 1944. Republished Dec. 28. Class 46.

King Cole Company, by King Cole Candies, Inc., Chicago, Ill. Candy bars, peanut brittle and kisses. 420,581, Apr. 23, 1946. Republished Dec. 28. Class 46.

Kingman, Russell B., Orange, N. J., assignor to The Chore Utensils Corporation of America, by Metal Textile Corporation, Roselle, N. J. Scouring cloths. 155,734, June 6, 1922. Republished Dec. 28. Class 4.
Kleinert, I. B., Rubber Company, Inc., New York, N. Y. Crib sheets. 505,314, Dec. 28; Serial No. 518,297. Class 42.
Knoedler, Louis S.: *See*—
The Mother's Remedies Co.
Koenigsmark Mill Company, Waterloo, Ill., by Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 104,120, May 4, 1915. Republished Dec. 28. Class 46.
Krano Sanitary & Janitor Supply Co., Chicago, Ill. Liquid floor cleaner, liquid hand soap, liquid toilet bowl cleaner, etc. 505,170, Dec. 28; Serial No. 526,969, published Aug. 3, 1948. Class 4.
Kress, S. H., and Company, New York, N. Y. Sanitary napkins. 251,482, renewed Jan. 8, 1949. O. G. Dec. 28. Class 44.
Lakeside Aluminum Company, North Menomonie, Wis. Pressure cookers and canners. 505,150, Dec. 28; Serial No. 516,703, published Sept. 21, 1948. Class 13.
Lakeside Malleable Castings Company, Racine, Wis. Ferrous castings. 505,139, Dec. 28; Serial No. 510,258, published Sept. 7, 1948. Class 14.
Lancaster Iron Works, Inc., Lancaster, Pa. Brick machines. 161,795, Nov. 21, 1922. Republished Dec. 28. Class 23.
Landau-Schneider Co., Inc., New York, by Mitchel Schneider Co. Inc., Brooklyn, N. Y. Ladies' knitted and textile underwear, pajamas, and negligees. 252,268, Jan. 29, 1929. Republished Dec. 28. Class 39.
Lanyon, Charles H., by Lester H. Lanyon, Chicago, Ill. Liniment. 29,704, Mar. 16, 1897. Republished Dec. 28. Class 6.
Lanyon, Lester H.: *See*—
Lanyon, Charles H.
Larré Laboratories, Inc., Denver, Col. Medicated jelly and creme. 505,298, Dec. 28; Serial No. 548,820, published Sept. 21, 1948. Class 6.
La Rue, Mervin W., Chicago, Ill. Slide and motion picture films. 505,136, Dec. 28; Serial No. 509,093, published Sept. 21, 1948. Class 26.
Laskin, Eugene B., doing business as Laskin Manufacturing Company, Baltimore, Md. Toy minature gas engines. 505,191, Dec. 28; Serial No. 529,393, published Sept. 7, 1948. Class 22.
Laskin Manufacturing Company: *See*—
Laskin, Eugene B.
Lehn & Fink Products Corporation: *See*—
Gray, Dorothy.
Lehwood Corporation, Mishawaka, Ind. Plywood, unfinished and finished lumber. 505,258, Dec. 28; Serial No. 540,543, published Aug. 31, 1948. Class 12.
Leon, Victor, Waterbury, Conn. Hair lotions and scalp massage cream. 441,670, Dec. 28; Serial No. 470,203, published Dec. 26, 1944. Class 6.
Leroux and Company, Inc., Philadelphia, Pa. Creme de menthe. 417,185, Oct. 16, 1945. Republished Dec. 28. Class 49.
Less, Joseph W., doing business as Ty-Self Tie Co., Fulton, Ill. Neckties. 441,724, Dec. 28; Serial No. 521,526, published Sept. 21, 1948. Class 39.
Levine, L., and Sons, by Louis Levine & Sons, Inc. of Ohio, Cincinnati, Ohio. Women's and misses' clothing. 137,306, Nov. 23, 1920. Republished Dec. 28. Class 39.
Levine, Louis, & Sons, Inc. of Ohio: *See*—
Levine, L., and Sons.
Lewis Bolt & Nut Company, Minneapolis, Minn. Bolts. 505,221, Dec. 28; Serial No. 533,034, published Sept. 21, 1948. Class 13.
Liberty Fire Apparatus Co., Inc., Roanoke, Va. Fire hose. 441,699, Dec. 28; Serial No. 512,067, published Sept. 21, 1948. Class 35.
Livièrato, Bernard A.: *See*—
Livièrato Bros.
Livièrato Bros., by Bernard A. Livièrato, New York, N. Y. Coffee. 35,358, Oct. 30, 1900. Republished Dec. 28. Class 46.
Los Angeles Soap Company, Los Angeles, Calif. Soap. 505,202, Dec. 28; Serial No. 530,744, published Sept. 14, 1948. Class 4.
Losee Products Company, Hebron, Ill. Displacement type automatic electric hot water storage heaters. 505,189, Dec. 28; Serial No. 529,071, published Sept. 21, 1948. Class 21.
Louisiana Furs, Inc., Chicago, Ill. Pelts or unfinished furs. 271,759, June 17, 1930. Republished Dec. 28. Class 1.
Lutz Bros., Allegheny, by Lutz & Schramm Inc., Pittsburgh, Pa. Pickled goods and preserves. 19,486, May 12, 1891. Republished Dec. 28. Class 46.
Lutz & Schramm Inc.: *See*—
Lutz Bros.
Mabs, Inc.: *See*—
Hollywood Silk Mills.
MacGregor, May, New York, N. Y. Equipment for exercising for health and beauty culture. 379,212, July 9, 1940. Republished Dec. 28. Class 22.
Malleable Iron Range Company, Beaver Dam, Wis. Electric ranges, coal electric ranges, and gas electric ranges. 238,982, Feb. 21, 1928. Republished Dec. 28. Class 21.
Manchester Hosiery Mills, Manchester, N. H. Women's hosiery. 505,182, Dec. 28; Serial No. 528,295, published Sept. 7, 1948. Class 39.
Manson Distributors: *See*—
Bode, Joe C., Jr.
Mantua Metal Products Company, assignor to Mantua Metal Products Co., Inc., Woodbury Heights, N. J. Model or miniature railway cars and equipment. 441,704, Dec. 28; Serial No. 513,323, published Sept. 7, 1948. Class 22.
Mantua Metal Products Co., Inc.: *See*—
Mantua Metal Products Company.
Many, Blanc & Co., Inc.: *See*—
Guerrieri, Lewis.
Old Mission Wineries.
Marine Optical Mfg. Co., Boston, Mass. Optical frames. 505,158, Dec. 28; Serial No. 522,060, published Sept. 21, 1948. Class 26.
Market Forge Company, The, Chelsea, by The Market Forge Company, Everett, Mass. Metal trucks. 104,622, June 8, 1915. Republished Dec. 28. Class 19.
Marks, I., & Son, Inc., New York, N. Y. Ladies' and misses' coats and jackets. 505,280, Dec. 28; Serial No. 545,379, published Sept. 7, 1948. Class 39.
Marquette Manufacturing Co. Inc., Minneapolis, Minn. Battery chargers. 505,250, Dec. 28; Serial No. 538,939, published Sept. 21, 1948. Class 21.
Marshall Field & Company, Chicago, Ill. Men's outer suits. 505,223, Dec. 28; Serial No. 533,477, published Sept. 21, 1948. Class 39.
Martell & Company, Cognac, France, by J. & F. Martell, Inc., New York, N. Y. Cognac brandies. 72,228, Jan. 12, 1909. Republished Dec. 28. Class 49.
Martell & Co., Cognac, France, by J. & F. Martell, Inc., New York, N. Y. Brandy. 328,888, Oct. 8, 1935. Republished Dec. 28. Class 49.
Martell & Co., Cognac, France, by J. & F. Martell, Inc., New York, N. Y. Brandy. 328,929, Oct. 8, 1935. Republished Dec. 28. Class 49.
Martell & Co., Cognac, France, by J. & F. Martell, Inc., New York, N. Y. Brandy. 330,844, Dec. 17, 1935. Republished Dec. 28. Class 49.
Martell & Co., Cognac, France, by J. & F. Martell, Inc., New York, N. Y. Brandy. 333,350, Mar. 17, 1930. Republished Dec. 28. Class 49.
Martell, J. & F., Inc.: *See*—
Martell & Company.
Match King, Inc., by Galter Products Co., Chicago, Ill. Pyrophoric cigar and cigarette lighters. 323,757, Apr. 30, 1935. Republished Dec. 28. Class 8.
Matthews, Geo. B., & Sons, by George B. Matthews & Sons, Inc., New Orleans, La. Cattle and stock foods. 159,432, Sept. 26, 1922. Republished Dec. 28. Class 46.
Matthews, George B., & Sons, Inc.: *See*—
Matthews, Geo. B., & Sons.
Matthews, W. N., Corporation, St. Louis, Mo. Height-measuring instruments operating by triangulation. 505,172, Dec. 28; Serial No. 527,129, published Sept. 21, 1948. Class 26.
Maupai, F. P., Dyeing Company, Inc., West New York, N. J. Textile fabrics in the piece. 409,689, Oct. 17, 1944. Republished Dec. 28. Class 42.
McCarthy, Agnes S., doing business as Sur-San Products, Des Moines, Iowa. Vaginal dry douches. 505,237, Dec. 28; Serial No. 534,797, published Aug. 31, 1948. Class 6.
McDermont and Wall, Inc., by E. T. Wall, Grower-Shipper, Riverside, Calif. Fresh citrus fruits. 275,931, Oct. 7, 1930. Republished Dec. 28. Class 46.
McDermont and Wall, Inc., by E. T. Wall, Grower-Shipper, Riverside, Calif. Fresh citrus fruits. 284,644, July 7, 1931. Republished Dec. 28. Class 46.
McKay Company, The, Pittsburgh, Pa. Tire chains and metal industrial chains. 441,677, Dec. 28; Serial No. 491,580, published Sept. 21, 1948. Class 13.
McKelvie Publishing Company, Lincoln, Nebr. Periodical magazine. 226,681, renewed Apr. 19, 1947. O. G. Dec. 28. Class 38.
McKewen, George E., doing business as Carner & McKewen, Baltimore, Md. Children's bibs, aprons, and bib-aprons. 505,143, Dec. 28; Serial No. 513,187, published Sept. 7, 1948. Class 39.
McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston rings and expanders therefor. 434,434, Nov. 18, 1947. Republished Dec. 28. Class 35.
Meaker, C. G., Co. Inc., by Ivanhoe Foods, Inc., Auburn, N. Y. Canned vegetables, canned fish, canned pumpkin, etc. 374,555, Jan. 16, 1940. Republished Dec. 28. Class 46.
Mechanics Machine Company, Rockford, Ill., assignor to Mechanics Universal Joint Company, to Borg-Warner Corporation, Chicago, Ill. Universal joints and change-speed transmissions. 251,466, renewed Jan. 8, 1949. O. G. Dec. 28. Class 23.
Mechanics Universal Joint Company: *See*—
Mechanics Machine Company.
Merita, Inc., New York, N. Y. Powder mitts and puffs. 441,740, Dec. 28; Serial No. 510,333. Class 20.
Meserve, Albert J.: *See*—
Dane, Ernest B., and Meserve, trustees.
Metal Textile Corporation: *See*—
Chore Utensils Corporation of America, The.
Kingman, Russell B.
Metropolitan Industries, Inc., Chicago, Ill. Cameras. 505,315, Dec. 28; Serial No. 519,283. Class 26.

Mid-Continent Airlines, Inc., Kansas City, Mo. Operation of airlines and the transportation of passengers, freight, and mail, etc. 505,323, Dec. 28; Serial No. 531,042. Class 55.
Midland Flour Milling Co., The: *See*—
Midland Milling Company, The.
Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour, bread, self-rising flour, etc. 272,585, July 8, 1930. Republished Dec. 28. Class 46.
Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 275,121, Sept. 16, 1930. Republished Dec. 28. Class 46.
Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 360,380, Sept. 13, 1938. Republished Dec. 28. Class 46.
Midland Flour Milling Co., The, North Kansas City, Mo. Wheat flour. 361,996, Nov. 8, 1938. Republished Dec. 28. Class 46.
Midland Milling Company, The, Kansas City, assignor to Midland Milling Company, by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 119,101, Oct. 23, 1917. Republished Dec. 28. Class 46.
Midland Milling Company, The, Kansas City, by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 119,462, Nov. 20, 1917. Republished Dec. 28. Class 46.
Midland Milling Company, The, Kansas City, by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 119,748, Dec. 11, 1917. Republished Dec. 28. Class 46.
Minuet Lamp Industries, Inc., Chicago, Ill. Electric lamps. 505,269, Dec. 28; Serial No. 542,627, published Sept. 21, 1948. Class 21.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber and leather boots. 505,199, Dec. 28; Serial No. 530,101, published Sept. 7, 1948. Class 39.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubbers and overshoes. 505,200, Dec. 28; Serial No. 530,104, published Sept. 21, 1948. Class 39.
Modern Deodorant Company: *See*—
Fielding, Michael.
Moore-McCormack Lines, Inc., New York, N. Y. Shipping service. 505,312, Dec. 28; Serial No. 536,705, published Sept. 14, 1948. Class 55.
Moramarco, A., assignee: *See*—
Guerrieri, Lewis.
Morton, Sol: *See*—
Steven, Frank, Cosmetic Corporation.
Mosinee Paper Mills Co.: *See*—
Wausau Sulphate Fibre Co.
Mosinee Paper Mills Company, Mosinee, Wis. Thermal insulating paper. 283,238, May 19, 1931. Republished Dec. 28. Class 12.
Mosinee Paper Mills Company, Mosinee, Wis. Reinforced paper for wrapping heavy articles. 288,120, Oct. 20, 1931. Republished Dec. 28. Class 37.
Mosinee Paper Mills Company, Mosinee, Wis. Wrapping paper. 410,633, Dec. 5, 1944. Republished Dec. 28. Class 37.
Mother's Remedies Co., The, to Louis S. Knoedler, Chicago, Ill. Remedies for headache, dyspepsia, stomach catarrh, etc. 71,172, re-renewed Nov. 3, 1948. O. G. Dec. 28. Class 6.
Natchitoches Coffee & Syrup Co., The, Inc., Natchitoches, La. Coffee. 434,321, Nov. 18, 1947. Republished Dec. 28. Class 46.
National Licorice Company, Brooklyn, N. Y. Licorice candy. 253,063, Feb. 19, 1929. Republished Dec. 28. Class 46.
National Licorice Company, Brooklyn, N. Y. Licorice candy. 307,065, Oct. 10, 1933. Republished Dec. 28. Class 46.
National Licorice Company, Brooklyn, N. Y. Lozenges. 330,278, Nov. 26, 1935. Republished Dec. 28. Class 6.
Neenah Paper Company, Neenah, Wis. Bond papers, ledger papers, book papers, and linen writing papers. 109,841, Apr. 18, 1916. Republished Dec. 28. Class 37.
Neenah Paper Company, Neenah, Wis. Bond and ledger paper. 112,540, Sept. 12, 1916. Republished Dec. 28. Class 37.
Neenah Paper Company, Neenah, Wis. Ledger, writing, and bond paper. 149,462, Dec. 13, 1921. Republished Dec. 28. Class 37.
Nestle's Milk Products, Inc., New York, N. Y. Preparation to relieve gastro-intestinal disorders. 505,305, Dec. 28; Serial No. 550,724, published Sept. 21, 1948. Class 6.
New Century Milling Company, The, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 63,316, June 11, 1907. Republished Dec. 28. Class 46.
Newport Industries, Inc., Pensacola, Fla. Zinc calcium resinate. 441,722, Dec. 28; Serial No. 520,966, published Sept. 21, 1948. Class 1.
New York Lubricating Oil Company, New York, N. Y. Lubricating greases and lubricating oils. 253,425, Feb. 26, 1929. Republished Dec. 28. Class 15.
Nicro Steel Products, Incorporated, Chicago, Ill. Non-electric coffee pots and coffee makers, double boilers, sauce pans, etc. 441,695, Dec. 28; Serial No. 508,544, published Sept. 14, 1948. Class 13.
Nunnally Company, The, Atlanta, by Fine Products Corporation, Augusta, Ga. Candy. 195,406, Feb. 24, 1925. Republished Dec. 28. Class 46.
Nunnally Company, The, Atlanta, by Fine Products Corporation, Augusta, Ga. Candy. 199,591, June 16, 1925. Republished Dec. 28. Class 46.
Nunnally Company, The, Atlanta, by Fine Products Corporation, Augusta, Ga. Chocolates and bonbons. 208,186, Jan. 19, 1926. Republished Dec. 28. Class 46.
Nunnally Company, The, Atlanta, by Fine Products Corporation, Augusta, Ga. All kinds of candy. 287,172, Sept. 15, 1931. Republished Dec. 28. Class 46.
Nurserymen's Exchange: *See*—
Pearlstein, Carl.
Nussbaum Bros., Bainbridge, Ga., assignor to The Welch Grape Juice Company, by the Welch Grape Juice Company, Westfield, N. Y. Non-alcoholic carbonated beverage and syrup. 112,798, Sept. 26, 1916. Republished Dec. 28. Class 45.
Oak Press, The, to Deutschmeister Brothers, New York, N. Y. Mailing wrappers. 229,694, renewed July 5, 1947. O. G. Dec. 28. Class 37.
Olafsen Vitamins, Inc., Chicago, Ill. Vitamin preparation for internal use. 413,258, Apr. 17, 1945. Republished Dec. 28. Class 6.
Old Baldy Citrus Association, Upland, Calif. Fresh citrus fruit. 137,842, Dec. 7, 1920. Republished Dec. 28. Class 46.
Old Baldy Citrus Association, Upland, Calif. Fresh citrus fruit. 137,844, Dec. 7, 1920. Republished Dec. 28. Class 46.
Old Baldy Citrus Association, Upland, Calif. Fresh citrus fruits. 138,685, Jan. 4, 1921. Republished Dec. 28. Class 46.
Old Baldy Citrus Association, Upland, Calif. Fresh citrus fruits. 152,922, Mar. 7, 1922. Republished Dec. 28. Class 46.
Old Mission Wineries, Los Angeles, Calif., by Many, Blanc & Co., Inc., Lawrenceburg, Ind. Wines. 422,939, Aug. 20, 1946. Republished Dec. 28. Class 47.
Old Virginia Packing Co., Inc., Front Royal, Va. Fruit preserves and fruit butter. 222,599, Jan. 4, 1927. Republished Dec. 28. Class 46.
Olin Industries, Inc., East Alton, Ill. Shot shells and rifle cartridges. 505,178, Dec. 28; Serial No. 527,902, published Aug. 31, 1948. Class 9.
Omar Products Company: *See*—
Schnelle, Mrs. Omar H.
Omni Products Corporation, New York, N. Y. Thermoplastic and thermosetting molding compounds, cast resins, oil soluble resins, etc. 505,232, Dec. 28; Serial No. 534,462, published Sept. 21, 1948. Class 1.
Oralaid Company: *See*—
Bennett, Paul E.
Pacific Gas Corporation, New York, N. Y. Butane and propane gases. 505,309, Dec. 28; Serial No. 553,127, published Sept. 21, 1948. Class 6.
Pacific Hop Exchange: *See*—
Epps, Elias.
Pacific Undergarment Co. Inc.: *See*—
Radinsky, Abraham, Porto Rican Undergarment Co.
Pacquin, Inc., New York, N. Y., to Pacquin-Lester Company, Litchfield, Conn. Cleansing and shaving soap. 249,628, renewed Nov. 20, 1948. O. G. Dec. 28. Class 4.
Pacquin-Lester Company: *See*—
Pacquin, Inc.
Palter De Liso, Inc., New York, N. Y. Ladies' shoes. 441,735, Dec. 28; Serial No. 525,198, published Sept. 21, 1948. Class 39.
Pan American Refining Corporation, New York, N. Y. Plasticizers. 505,296, Dec. 28; Serial No. 548,681, published Sept. 21, 1948. Class 6.
Paragon-Revolute Corporation, Rochester, N. Y. Machines for making blue-prints and other prints, and machines for drying such prints and photocopy prints. 505,207, Dec. 28; published Sept. 21, 1948. Class 26.
Paragon-Revolute Corporation, Rochester, N. Y. Machines for making blue-prints, and other prints. 505,208, Dec. 28; Serial No. 531,239, published Sept. 21, 1948. Class 26.
Parfa Parfumerie und Kosmetik, A. G., Zurich, Switzerland. After shaving lotion, after shaving skin cream, bath salt, etc. 441,714, Dec. 28; Serial No. 517,583, published Sept. 21, 1948. Class 6.
Paxton & Gallagher, by Paxton & Gallagher Co., Omaha, Nebr. Tea. 21,268, June 7, 1892. Republished Dec. 28. Class 46.
Paxton & Gallagher Co.: *See*—
Paxton & Gallagher.
Paxtrol Mfg. Co., Detroit, Mich. Paint applicator of the roller fountain type. 505,259, Dec. 28; Serial No. 540,703, published Sept. 7, 1948. Class 29.
Peacock, C. D., Inc., Chicago, Ill. Silver polish. 505,187, Dec. 28; Serial No. 528,736, published Sept. 14, 1948. Class 4.
Pearlstein, Carl, doing business as Nurserymen's Exchange, San Francisco, Calif. Flower bulbs. 505,320, Dec. 28; Serial No. 536,831. Class 1.
Pep Boys, Manny, Moe & Jack, The, Philadelphia, Pa. Pneumatic rubber tires, pneumatic tire casings, and tubes. 505,236, Dec. 28; Serial No. 534,666, published Sept. 14, 1948. Class 35.
Pepper, Belle L., Denver, Colo. Cosmetics. 505,287, Dec. 28; Serial No. 546,868, published Sept. 21, 1948. Class 6.
Pfeiffer, S., Mfg. Co., St. Louis, Mo. Preparation for the relief of chapped lips, cold sores and fever sores. 505,247, Dec. 28; Serial No. 537,730, published Sept. 7, 1948. Class 6.

Pick Manufacturing Company, by Pick Manufacturing Company, West Bend, Wis. Oil filters. 379,933, July 30, 1940. Republished Dec. 28. Class 31.

Pickwick Products, Inc.: *See*—
Kansas City Wholesale Grocery Co.

Pierce Company, The, by The Pierce Oil Products Corp., East Rochester, N. Y. Oils for treating artificial and real leather. 165,073, Mar. 6, 1923. Republished Dec. 28. Class 4.

Pierce Oil Products Corp., The: *See*—
Pierce Company, The.

Pierce Oil Products Corp., The, East Rochester, N. Y. Processed vegetable oil product. 399,596, Jan. 19, 1943. Republished Dec. 28. Class 6.

Piknik Products Company, The: *See*—
Fleming-Green Co. Inc.

Plastic Glass Corporation, Brooklyn, N. Y. Plastic material in sheet, rod and tube form. 441,719, Dec. 28; Serial No. 519,026, published Sept. 21, 1948. Class 1.

Plastomic Products Co., Inc., New York, N. Y. Toys. 441,694, Dec. 28; Serial No. 508,243, published Sept. 7, 1948. Class 22.

Piepla, Karl, New York, N. Y. Clocks and watches. 380,394, Aug. 20, 1940. Republished Dec. 28. Class 27.

Piepla, Karl, New York, N. Y. Watches. 400,514, Mar. 16, 1943. Republished Dec. 28. Class 27.

Plystone Company: *See*—
Shelton, Carl M.

Polx, G. M., Inc.: *See*—
Polx, Gabrielle M.

Polx, Gabrielle, M., by G. M. Polx, Inc., New York, N. Y. Brassières. 65,835, Oct. 22, 1907. Republished Dec. 28. Class 39.

Pollak, Henry, Inc., New York, N. Y. Hat bodies. 505,132, Dec. 28; Serial No. 499,658, published July 20, 1948. Class 39.

Pollak, Henry, Inc., New York, N. Y. Straw and felt hat bodies. 505,161, Dec. 28; Serial No. 524,326, published July 20, 1948. Class 39.

Pomona Fruit Growers Exchange, Pomona, Calif. Fresh citrus fruit. 332,204, Feb. 4, 1936. Republished Dec. 28. Class 46.

Poythress, Wm. P., & Co., Inc., Richmond, Va. Preparation useful in the treatment of urinary infection of the colon bacillus origin. 312,053, Apr. 17, 1934. Republished Dec. 28. Class 6.

Poythress, Wm. P., & Co., Inc., Richmond, Va. Diuretic drug. 342,305, Jan. 12, 1937. Republished Dec. 28. Class 6.

Poythress, Wm. P., & Co. Inc., Richmond, Va. Antispasmodic and sedative drug. 366,255, Apr. 4, 1939. Republished Dec. 28. Class 6.

Prim-Era Hosiery Mills, Inc., by Prim Hosiery, Inc., Chester, Ill. Hosiery. 343,593, Feb. 23, 1937. Republished Dec. 28. Class 39.

Prim-Era Hosiery Mills, Inc., by Prim Hosiery, Inc., Chester, Ill. Hosiery. 371,502, Sept. 26, 1939. Republished Dec. 28. Class 39.

Prim-Era Hosiery Mills, Inc., by Prim Hosiery, Inc., Chester, Ill. Hosiery. 376,344, Mar. 19, 1940. Republished Dec. 28. Class 39.

Prim Hosiery, Inc.: *See*—
Cook, Paul L.
Prim-Era Hosiery Mills, Inc.

Procter & Gamble Company, The, Cincinnati, Ohio. Cosmetic creams, shampoos, hair preparations, etc. 505,242, Dec. 28; Serial No. 536,446, published Sept. 7, 1948. Class 6.

Prospect Hill Bottling Co., Somerville, by Prospect Hill Bottling Co., Charlestown, Mass. Carbonated nonalcoholic, noncereal maltless beverages. 265,813, Jan. 7, 1930. Republished Dec. 28. Class 45.

Publicker Industries Inc., Philadelphia, Pa. Ethyl acetate, butyl acetate, amyl acetate, etc. 505,169, Dec. 28; Serial No. 526,798, published Sept. 21, 1948. Class 6.

Pure Oil Company, The, Chicago, Ill. Lubricating oil. 389,465, Aug. 5, 1941. Republished Dec. 28. Class 15.

Quaker Lace Company, Philadelphia, Pa. Lace curtains and curtain lace in piece goods. 245,295, renewed Aug. 7, 1948. O. G. Dec. 28. Class 42.

Quaker Rubber Corporation, Philadelphia, Pa. Belting, air brake hose, air drill hose, etc. 394,790, Apr. 28, 1942. Republished Dec. 28. Class 35.

R. C. A. Rubber Company, The, Akron, Ohio. Rubber composition flooring materials or rubber tiling. 345,612, May 4, 1937. Republished Dec. 28. Class 12.

R. C. A. Rubber Company, The, Akron, Ohio. Rubber tiling in sheet or block form. 345,613, May 4, 1937. Republished Dec. 28. Class 12.

Radinsky, Abraham, doing business as Porto Rican Undergarment Co., to Pacific Undergarment Co. Inc., New York, N. Y. Ladies', misses', and children's textile underwear. 248,782, renewed Oct. 30, 1948. O. G. Dec. 28. Class 39.

Radio Corporation of America to Radio Corporation of America, New York, N. Y. Broadcast transmitters, quartz crystals, condenser microphones, modulation reactors, etc. 253,286, renewed Feb. 26, 1949. O. G. Dec. 28. Class 21.

Rafi Manufacturing Company, Toledo, Ohio. Neon sign equipment. 505,186, Dec. 28; Serial No. 528,643, published Sept. 21, 1948. Class 21.

Randolph Marketing Company, Porterville, Calif. Fresh citrus fruits, fresh deciduous fruits, fresh vegetables, etc. 325,252, June 18, 1935. Republished Dec. 28. Class 46.

Randolph Marketing Company, Porterville, Calif. Fresh citrus fruits. 342,079, Jan. 5, 1937. Republished Dec. 28. Class 46.

Red Feather Products Ltd., assignor to Red Feather Products Ltd., Redwood City, Calif. Carbon paper, typewriter ribbons, and duplicator inks. 441,700, Dec. 28; Serial No. 512,143, published Sept. 21, 1948. Class 11.

Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Synthetic type of soap and grease remover. 441,721, Dec. 28; Serial No. 520,650, published Sept. 14, 1948. Class 4.

Reed & Carnick: *See*—
Carnrick, John.

Reister, Aline M., Detroit, Mich. Dolls. 441,736, Dec. 28; Serial No. 525,679, published Sept. 7, 1948. Class 22.

Reliance Gauge Column Company, The, Cleveland, Ohio. Liquid level gauges and indicators, parts and fittings thereof. 505,195, Dec. 28; Serial No. 529,696, published Sept. 7, 1948. Class 26.

Rex Products & Mfg. Company, to Detrex Corporation, Detroit, Mich. Water-softening powders of trisodium phosphate base. 220,486, renewed Nov. 9, 1946. O. G. Dec. 28. Class 6.

Reynolds Metals Company, Richmond, Va. Textile fabrics in the piece. 441,678, Dec. 28; Serial No. 495,097, published Mar. 9, 1948. Class 42.

Richman, Wm., Supply Corp., New York, N. Y. Screening. 441,739, Dec. 28; Serial No. 526,293, published Sept. 21, 1948. Class 13.

Ridd Laboratories, Incorporated, Edmonds, Wash. Preparation containing fungicidal, germicidal and deodorant properties. 505,183, Dec. 28; Serial No. 528,378, published Sept. 21, 1948. Class 6.

Riedell Shoes, Inc., Red Wing, Minn. Shoes. 505,196, Dec. 28; Serial No. 529,706, published Sept. 21, 1948. Class 39.

Rig Company, The: *See*—
Guy, Ralph I.

Rissman, John, & Son, Chicago, Ill. Jackets, coats, blouses and shirts. 505,173, Dec. 28; Serial No. 527,340, published Sept. 21, 1948. Class 39.

Robbins & Myers, Inc., Springfield, Ohio. Electric fans. 505,227, Dec. 28; Serial No. 533,778, published Sept. 21, 1948. Class 21.

Robertson, Emory H., doing business as Robertson Fireworks Company, Fort Worth, Tex. Whistling auto bomb attached to the spark plugs. 505,290, Dec. 28; Serial No. 547,284, published Sept. 21, 1948. Class 9.

Robertson Fireworks Company: *See*—
Robertson, Emory H.

Robertson, John, & Son Limited, Leith, Scotland. Scotch whisky. 342,723, Jan. 26, 1937. Republished Dec. 28. Class 49.

Robertson, John, & Son Limited, Leith, Scotland. Scotch whisky. 367,490, May 16, 1939. Republished Dec. 28. Class 49.

Roche Fruit & Produce Company, by W. E. Roche Fruit Company, Yakima, Wash. Fresh apples. 231,635, Aug. 23, 1927. Republished Dec. 28. Class 46.

Roche, W. E., Fruit Company: *See*—
Roche Fruit & Produce Company.

Rogers, Lunt & Bowlen Co.: *See*—
Franklin Silver Plate Co.

Rogers, Lunt & Bowlen Company, Greenfield, Mass. Sterling silver knives, forks, spoons, tongs, ladles, sifters, pins, etc. 88,364, Sept. 10, 1912. Republished Dec. 28. Classes 13, 22, 23, 28, and 40.

Rogers, Lunt & Bowlen Company, Greenfield, Mass. Knives, forks, spoons, ladles, tongs, tea balls, tea strainers, sifters, etc. 145,191, July 26, 1921. Republished Dec. 28. Classes 13, 22, 23, 28, and 40.

Rogers, Lunt & Bowlen Company, Greenfield, Mass. Babies' and children's tableware. 161,601, Nov. 14, 1922. Republished Dec. 28. Classes 13, 22, and 28.

Roma Wine Company, Inc., Lodi and Los Angeles, Calif., and New York, N. Y., by Schenley Distillers Corporation, Fresno, Calif. Wines. 361,966, Nov. 8, 1938. Republished Dec. 28. Class 47.

Roma Wine Company, Inc., Fresno, Calif., by Many, Blanc & Co., Inc., Lawrenceburg, Ind. Wines. 386,411, Apr. 8, 1941. Republished Dec. 28. Class 47.

Roosen Silks Limited, London, England. Piece goods made of cotton. 441,687, Dec. 28; Serial No. 502,334, published June 3, 1947. Class 42.

Rothschild, Lee, doing business as Corona Soapcrafters, Redlands, Calif. Bar soap in packaged form. 505,293, Dec. 28; Serial No. 547,772, published Sept. 21, 1948. Class 4.

Rothschild, Lee, doing business as Corona Soapcrafters, Redlands, Calif. Bar soap in packaged form. 505,294, Dec. 28; Serial No. 547,774, published Sept. 21, 1948. Class 4.

Roundup Grocery Company, Spokane, Wash. Canned goods. 221,150, Nov. 23, 1926. Republished Dec. 28. Class 46.

Rubey, Mildred S., Jeffersonville, Ind. Medicated cloth for treatment of the skin. 441,698, Dec. 28; Serial No. 512,022, published Sept. 14, 1948. Class 6.

Rush, Grace A., Inc., Hyde Park, Cincinnati, Ohio. Fruitcakes, black walnut fruit cakes, mapled pecans, etc. 288,918, Nov. 10, 1931. Republished Dec. 28. Class 46.

Rutlee Chemical Company, Inc., Perth Amboy, N. J., and Washington, D. C. Surgical lubricant. 441,710, Dec. 28; Serial No. 515,794, published Aug. 24, 1948. Class 6.

S. O. S. Company, The: *See*—
Cox, Irwin W.

Sadony, Arthur J., doing business as Educational Research Laboratories, Montague, Mich. Toy airplanes, darts, and flying projectiles. 441,688, Dec. 28; Serial No. 502,720, published Sept. 7, 1948. Class 22.

Safir Plan, Inc., New York, N. Y. Men's and women's lounging robes. 505,226, Dec. 28; Serial No. 533,686, published Sept. 7, 1948. Class 39.

Salem Company Incorporated, The, Winston-Salem, N. C. Work clothes. 505,162, Dec. 28; Serial No. 525,496, published Sept. 7, 1948. Class 39.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables. 328,340, Sept. 24, 1935. Republished Dec. 28. Class 46.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables. 328,572, Oct. 1, 1935. Republished Dec. 28. Class 46.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables. 389,192, July 29, 1941. Republished Dec. 28. Class 46.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables. 392,960, Jan. 20, 1942. Republished Dec. 28. Class 46.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Antiseptic for treating poultry and birds. 325,992, July 9, 1935. Amended. O. G. Dec. 28. Class 6.

Sandeman, Geo. G., Sons & Co., Ltd., London, England. Port and sherry wines. 64,221, July 30, 1907. Republished Dec. 28. Class 47.

Sandeman, Geo. G., Sons & Co., Ltd., London, England. Distilled alcoholic spirits. 270,973, May 20, 1930. Republished Dec. 28. Class 49.

Sandler, A., Co., Boston, Mass. Shoes. 441,672, Dec. 28; Serial No. 480,679, published Jan. 6, 1948. Class 39.

Sanger Citrus Association, Sanger, Calif. Oranges. 168,602, May 29, 1923. Republished Dec. 28. Class 46.

San Juan Fishing & Packing Co., Seattle, Wash. Canned salmon. 238,613, Feb. 14, 1928. Republished Dec. 28. Class 46.

San Juan Fishing & Packing Company, Seattle, Wash. Canned, fresh, salt, smoked, and kippered fish. 256,325, May 14, 1929. Republished Dec. 28. Class 46.

Sazerac Co., Inc., The, New Orleans, La. Cocktails. 305,857, Aug. 29, 1933. Republished Dec. 28. Class 49.

Sazerac Company, Incorporated, New Orleans, La. Whiskey. 322,209, Feb. 26, 1935. Republished Dec. 28. Class 49.

Sazerac Company, Incorporated, New Orleans, La. Wines. 327,328, Aug. 20, 1935. Republished Dec. 28. Class 47.

Sazerac Company, Incorporated, New Orleans, La. Gin. 328,454–5, Oct. 1, 1935. Republished Dec. 28. Class 49.

Sazerac Company, Incorporated, New Orleans, La. Whiskey. 333,394, Mar. 17, 1936. Republished Dec. 28. Class 49.

Sazerac Company, Inc., New Orleans, La. Gin. 346,779, June 8, 1937. Republished Dec. 28. Class 49.

Sazerac Co., Inc., New Orleans, La. Whiskey. 381,622, Oct. 1, 1940. Republished Dec. 28. Class 49.

Schenley Distilleries, Inc., by Schenley Distillers Corporation, New York, N. Y. Distillers' dried corn solubles. 396,686, July 28, 1942. Republished Dec. 28. Class 46.

Schenley Distilleries, Inc., by Schenley Distillers Corporation, New York, N. Y. Distillers' dried grains. 410,532, Nov. 28, 1944. Republished Dec. 28. Class 46.

Schenley Distilleries, Inc., by Schenley Distillers Corporation, New York, N. Y. Distillers' dried grains. 410,638, Dec. 5, 1944. Republished Dec. 28. Class 46.

Schenley Distillers Corporation: *See*—
Roma Wine Company, Inc.
Schenley Distilleries, Inc.

Schenley Import Corporation: *See*—
Bens, Geo. & Sons.
Schenley Wine & Spirit Import Corporation.

Schenley Laboratories, Inc., New York, N. Y. Penicillin. 505,147–8, Dec. 28; Serial Nos. 516,581–2, published Sept. 21, 1948. Class 6.

Schenley Wine & Spirit Import Corporation, now by change of name Schenley Import Corporation, by Schenley Import Corporation, New York, N. Y. Sherry wine. 344,715, Apr. 6, 1937. Republished Dec. 28. Class 47.

Schering & Glatz, Inc., assignor to William R. Warner & Co., Inc., New York, N. Y. Medicinal comprising soluble barbital. 441,693, Dec. 28; Serial No. 507,941, published Sept. 21, 1948. Class 6.

Scherl & Roth, Inc.: *See*—
Simson & Frey, Inc.

Scherl & Roth, Inc., Cleveland, Ohio. Strings for violins, violas, cellos, etc. 400,526, Mar. 16, 1943. Republished Dec. 28. Class 36.

Scherl & Roth, Inc., Cleveland, Ohio. Violin, viola, cello, etc., strings. 416,433, Sept. 11, 1945. Republished Dec. 28. Class 36.

Schiff Company, The, Columbus, Ohio, now by change of name Shoe Corporation of America. Children's shoes. 505,140, Dec. 28; Serial No. 510,280, published Aug. 31, 1948. Class 39.

Schiff, Henry T., by Jack Galter, Chicago, Ill. Cameras, photographic lenses, and sensitized photograph films. 364,464, Jan. 31, 1939. Republished Dec. 28. Class 26.

Schiff, Henry T., by Jack Galter, Chicago, Ill. Flashlights and lanterns. 365,951, Mar. 21, 1939. Republished Dec. 28. Class 34.

Schneider, Mitchell, Co. Inc.: *See*—
Landau-Schneider Co., Inc.

Schnelle, Omar H.: *See*—
Schnelle, Mrs. Omar H.

Schnelle, Mrs. Omar H., doing business as Omar Products Company, by Omar H. Schnelle, doing business as Omar Products Company, Columbus, Ohio. Wallpaper cleaner. 319,897, Dec. 11, 1934. Republished Dec. 28. Class 4.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 393,311, Feb. 3, 1942. Corrected. O. G. Dec. 28. Class 44.

Scholl Mfg. Co., Inc., The, New York, N. Y., and Chicago, Ill. Medicated corn, callous, and bunion pads, etc. 505,163, Dec. 28; Serial No. 526,610, published Aug. 31, 1948. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adjustable measuring guage for human feet. 505,316, Dec. 28; Serial No. 530,258. Class 26.

Schramm-Johnson, Drugs, Salt Lake City, Utah, by Carrel, Ltd., Chicago, Ill. Hair dressing, bath salts, almond-meal cream, etc. 180,743, Mar. 4, 1924. Republished Dec. 28. Class 6.

Schutter Johnson Candy Company, Inc., Chicago, Ill., by Universal Match Corporation, St. Louis, Mo. Candy. 287,163, Sept. 15, 1931. Republished Dec. 28. Class 46.

Schutter Johnson Candy Company, Inc., Chicago, Ill., by Universal Match Corporation, St. Louis, Mo. Candy. 301,835, Mar. 14, 1933. Republished Dec. 28. Class 46.

Scully Rubber Mfg. Co., Baltimore, Md. Non-metallic spud washers for toilet bowls. 505,322, Dec. 28; Serial No. 544,119. Class 35.

Scully Signal Company, Cambridge, Mass. Liquid level indicators for tanks. 505,142, Dec. 28; Serial No. 511,507, published Sept. 21, 1948. Class 26.

Scully Signal Company, Cambridge, Mass. Air vent tubes. 505,253, Dec. 28; Serial No. 539,762, published Sept. 21, 1948. Class 13.

Seeman Brothers, by Seeman Brothers, Inc., New York, N. Y. Canned and bottled vegetables, fruits, fish, etc. 33,313, Aug. 8, 1899. Republished Dec. 28. Class 46.

Seeman Brothers, Inc.: *See*—
Seeman Brothers.

Seidlitz Paint & Varnish Co., Kansas City, Mo. Liquid wax polish for floors and other surfaces. 505,319, Dec. 28; Serial No. 536,161. Class 16.

Select Sportswear, Inc., New York, N. Y. Knitted sportswear. 505,231, Dec. 28; Serial No. 534,377, published Sept. 7, 1948. Class 39.

Septigyn Company, The, by Myra G. Thompson, also known as Mrs. O. J. Thompson, trading as the O. J. Thompson Co., Dallas, Tex. Medicines to be used as an antiseptic. 110,997, June 20, 1916. Republished Dec. 28. Class 6.

Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 191,759, Nov. 18, 1924. Republished Dec. 28. Class 46.

Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 191,872, Nov. 18, 1924. Republished Dec. 28. Class 46.

Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 251,563, Jan. 28, 1929. Republished Dec. 28. Class 46.

Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 263,604, Nov. 5, 1929. Republished Dec. 28. Class 46.

Shain & Company, Inc., Boston, Mass. Textile fabrics. 441,741, Dec. 28; Serial No. 521,832. Class 42.

Shapiro Glove Co., Inc., by Smart Set Glove Co., Inc., New York, N. Y. Gloves. 360,475, Sept. 20, 1938. Republished Dec. 28. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Liquid concentration of ergot. 505,299, Dec. 28; Serial No. 540,091, published Sept. 21, 1948. Class 6.

Shelton, Carl M., doing business as Plystone Company, Columbia, S. C. Semi-liquid floor resurfacing material. 441,682, Dec. 28; Serial No. 498,259, published May 6, 1947. Class 12.

Shepherd Worsted Mills: *See*—
Dane, Ernest B., and Merserve, trustees.

Sherman Products: *See*—
Sherman, Sol.

Sherman, Sol, doing business as Sherman Products, New York, N. Y. Bow-ties, neckties, outer shirts, etc. 505,185, Dec. 28; Serial No. 528,588, published Sept. 14, 1948. Class 39.

Sherry, Hal G., Los Angeles, Calif. Radio receiving sets. 441,725, Dec. 28; Serial No. 522,216, published Sept. 21, 1948. Class 21.

Sherwin-Williams Company, The, Cleveland, Ohio. Preparation for the removal of paints, finishes, enamels, etc. 151,233, Jan. 24, 1922. Republished Dec. 28. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, lacquers, varnishes, stains, and paint fillers. 312,965, May 15, 1934. Republished Dec. 28. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Chemicals for exterminating weeds. 505,260, Dec. 28; Serial No. 540,908, published Aug. 31, 1948. Class 6.

Sherwood, Edward J., Mitchell, S. Dak., by Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 124,475, Feb. 18, 1919. Republished Dec. 28. Class 46.

Shirtcraft Company, The, Inc., New York, N. Y. Boys' and men's clothing. 239,603–4, Mar. 6, 1928. Republished Dec. 28. Class 39.

Shoe Corporation of America: *See*—
Schiff Company, The.

Shoe and Leather Reporter Co., Boston, Mass. Periodicals relating to the trade. 290,791, Jan. 19, 1932. Republished Dec. 28. Class 38.

Siegel, Jacob, Company, Philadelphia, Pa. Men's topcoats, overcoats, and suits. 322,916, Mar. 26, 1935. Republished Dec. 28. Class 39.

Sil-O-Ette Underwear Co.: *See*—
Universal Rayon Underwear Corporation.

Simson & Frey, Inc., New York, N. Y., by Scherl & Roth, Inc., Cleveland, Ohio. Wooden reeds. 164,720, Feb. 27, 1923. Republished Dec. 28. Class 36.

Simson & Frey, Inc., New York, N. Y., by Scherl & Roth, Inc., Cleveland, Ohio. Strings for violins and similar instruments. 170,458, July 17, 1923. Republished Dec. 28. Class 36.

Simson & Frey, Inc., New York, N. Y., by Scherl & Roth, Inc., Cleveland, Ohio. Music stands. 191,987, Nov. 25, 1924. Republished Dec. 28. Class 36.

Simson & Frey, Inc., New York, N. Y., by Scherl & Roth, Inc., Cleveland, Ohio. Adjusters or tuners for violins. 227,334, May 3, 1927. Republished Dec. 28. Class 36.

Simson & Frey, Inc., New York, N. Y., by Scherl & Roth, Inc., Cleveland, Ohio. Violin and cello strings. 229,228, June 21, 1927. Republished Dec. 28. Class 36.

Simson & Frey, Inc., New York, N. Y., by Scherl & Roth, Inc., Cleveland, Ohio. Strings for violins and similar musical instruments. 305,485, Aug. 15, 1933. Republished Dec. 28. Class 36.

Singer Manufacturing Company, The, Elizabeth, N. J. Electro-mechanical drives, electric transmitters, electric lighting fixtures, etc. 441,680, Dec. 28; Serial No. 498,089, published Sept. 21, 1948. Class 21.

Smart Set Glove Co., Inc.: *See*—
Shapiro Glove Co., Inc.

Smile Remedy Company, The: *See*—
Dunn, Richard T.

Smith, Bonnie I., Atlanta, Ga. Hand cream. 505,286, Dec. 28; Serial No. 546,798, published Sept. 21, 1948. Class 6.

Smith, Bryan S., Bakersfield, Calif. Fresh vegetables. 408,552, Aug. 15, 1944. Republished Dec 28. Class 46.

Smith, Bryan S., Bakersfield, Calif. Fresh vegetables. 408,636, Aug. 22, 1944. Republished Dec. 28. Class 46.

Smith, Floyd N.: *See*—
Smith Thornburg Co.

Smith, Kline & French Laboratories, Philadelphia, Pa. Sulfonamide preparation. 505,304, Dec. 28; Serial No. 550,623, published Sept. 21, 1948. Class 6.

Smith Thornburg Company, by F. N. Smith, Phoenix, Ariz. Fresh vegetables, cantaloupes, honey dew and casaba melons. 327,817, Sept. 3, 1935. Republished Dec. 28. Class 46.

Societe a Responsabilite Limitee: Societe Chapeliere de Beauvais, Paris France. Hats for men and women. 441,701, Dec. 28; Serial No. 512,715, published Sept. 7, 1948. Class 39.

Societe Anonyme "Stop Fire," Paris, France. Portable fire extinguisher. 221,012, Nov. 23, 1926. Corrected. O. G. Dec. 28. Class 23.

Société "Sécurit's" E. D. L. C., Paris, France. Safety nuts. 441,689. Dec. 28; Serial No. 502,851, published Sept. 21, 1948. Class 13.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Compositions for cleaning water cooling systems, compositions for sealing leaks, etc. 441,734, Dec. 28; Serial No. 524,827, published Aug. 24, 1948. Class 6.

Sokol & Company: *See*—
Thomas, William R.

Solomon, M. & S., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 409,565, Oct. 10, 1944. Republished Dec. 28. Class 39.

Solomon, M. & S., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 415,551, Aug. 7, 1945. Republished Dec. 28. Class 39.

Sonora Radio & Television Corporation, Chicago, Ill. Radio receiving sets, television receiving sets and electrical phonographs. 505,165, Dec. 28; Serial No. 526,696, published Sept. 21, 1948. Class 21.

Sonnenschein, E., & Co., Inc., New York, N. Y. Chemical dyestuffs. 441,728. Dec. 28; Serial No. 522,614, published Sept. 21. 1948. Class 6.

Sperti Faraday Inc.: *See*—
Faraday Electric Corporation.

Sport Products, Inc., Cincinnati, Ohio. Tennis rackets. 505,203, Dec. 28; Serial No. 530,978, published Sept. 7, 1948. Class 22.

Spring City Hosiery Mills: *See*—
Cook, Paul L.

Standard Oil Company, Louisville, Ky. Garden hose. 417,957, Nov. 20, 1945. Republished Dec. 28. Class 35.

Standard Oil Company, Louisville, Ky. Vapor oil, coal spray oil, fuel oil, and burner oil. 422,658, Aug. 6, 1946. Republished Dec. 28. Class 15.

Sterling Stores Co., Inc., Little Rock, Ark. Hosiery. 375,184, Feb. 13, 1940. Republished Dec. 28. Class 39.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. 173,875–6, Oct. 2, 1923. Republished Dec. 28. Class 39.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. 314,316, June 26, 1934. Republished Dec. 28. Class 39.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. 326,131, July 16, 1935. Republished Dec. 28. Class 39.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. 415,923, Aug. 21, 1945. Republished Dec. 28. Class 39.

Steven, Frank, Cosmetic Corporation, Chicago, Ill., assignor to S. Morton. Hand cream. 441,717, Dec. 28; Serial No. 518,057, published Sept. 7, 1948. Class 6.

Stockham, Edward V., Perryman, by Edward V. Stockham, Inc., Havre De Grace, Md. Canned or preserved fruits and vegetables. 34,777, June 12, 1900. Republished Dec. 28. Class 46.

Stockham, Edward V., Inc.: *See*—
Stockham, Edward V.

Streit, C. F., Manufacturing Co., The: *See*—
Streit, C. F., Mfg. Co., The.

Streit, C. F., Mfg. Co., The, by The C. F. Streit Manufacturing Co., Cincinnati, Ohio. Chairs and davenports. 72,021, Dec. 29, 1908. Republished Dec. 28. Class 32.

Stylepark Hats, Inc., Philadelphia, Pa. Men's and women's hats. 505,281, Dec. 28; Serial No. 545,405, published Sept. 7, 1948. Class 39.

Sultan, L. & N., Mfg. Corp., New York, N. Y. Sheets and pillow cases. 505,321, Dec. 28; Serial No. 542,368. Class 42.

Sunbeam Corporation: *See*—
Chicago Flexible Shaft Company.

Sundure Paint Corporation, Syracuse, N. Y. Ready-mixed and paste paints, varnishes, and paint enamels. 441,686, Dec. 28; Serial No. 499,444, published Jan. 7, 1947. Class 16.

Sunland Packing House Company, Porterville, Calif. Fresh citrus fruits. 166,451, Apr. 3, 1923. Republished Dec. 28. Class 46.

Sunland Packing House Co., Porterville, and Sunland, Calif. Fresh citrous fruits. 186,288, July 8, 1924. Republished Dec. 28. Class 46.

Sunland Packing House Company, Porterville, Calif. Fresh citrous fruits. 212,035, Apr. 27, 1926. Republished Dec. 28. Class 46.

Sunland Packing House Company, Porterville, Calif. Fresh oranges. 245,263, Aug. 7, 1928. Republished Dec. 28. Class 46.

Sunland Packing House Company, Porterville, Calif. Fresh citrus fruit. 353,404, Jan. 4, 1938. Republished Dec. 28. Class 46.

Sunland Packing House Company, Porterville, Calif. Fresh citrus fruit. 388,041, June 10, 1941. Republished Dec. 28. Class 46.

Sunny South Packing Co., Arcadia, Fla. Canned fruits and canned vegetables. 185,178, June 10, 1924. Republished Dec. 28. Class 46.

Sunny South Packing Co., Arcadia, Fla. Canned grapefruit juice and grapefruit sections. 377,805, May 14, 1940. Republished Dec. 28. Class 46.

Superior Flux Company: *See*—
Ulmer, William L.

Superior Metal Products Company: *See*—
Tennant, G. H., Company.

Sweeney, W. R., Mfgr., Salisbury, Mo. Rat, mouse, mole, and gopher poison, etc. 505,274, Dec. 28; Serial No. 544,478, published Sept. 21, 1948. Class 6.

Sweet Feet, Incorporated, Gulfport, Miss. Preparation for deodorizing and treating athlete's foot. 343,025, Feb. 9, 1937. Republished Dec. 28. Class 6.

Swift & Company: *See*—
Swift and Company.

Swift and Company, to Swift & Company, Chicago, Ill. Gelatin. 248,184–90, renewed Oct. 16, 1948. O. G. Dec. 28. Class 46.

Swift and Company, to Swift & Company, Chicago, Ill. Gelatin. 248,193–4, renewed Oct. 16, 1948. O. G. Dec. 28. Class 46.

Swift and Company, to Swift & Company, Chicago, Ill. Gelatin. 248,196, renewed Oct. 16, 1948. O. G. Dec. 28. Class 46.

Swift and Company, to Swift & Company, Chicago, Ill. Gelatin. 248,316, renewed Oct. 16, 1948. O. G. Dec. 28. Class 46.

Swift and Company, to Swift & Company, Chicago, Ill. Frying fat. 249,695, renewed Nov. 20, 1948. O. G. Dec. 28. Class 46.

Symington, W., & Co., Limited, Market Harborough, England, by Ivanhoe Foods, Inc., Auburn, N. Y. Preparation for making a sauce or dressing. 84,696, Dec. 26, 1911. Republished Dec. 28. Class 46.

Taco Heaters, Incorporated, Providence, R. I. Thermostatic control valve. 441,726, Dec. 28; Serial No. 522,235, published Sept. 21, 1948. Class 26.

Teksun, Inc., West Los Angeles, Calif. Toy telephones. 441,712, Dec. 28; Serial No. 516,647, published Sept. 7, 1948. Class 22.

Tennant, G. H., Company, Minneapolis, Minn., by Superior Metal Products Company, New York, N. Y., and St. Paul, Minn. Bottle crates. 319,084, Nov. 13, 1934. Republished Dec. 28. Class 2.

Terteling Brothers, Incorporated, Madison, Ky. Coal. 505,209, Dec. 28; Serial No. 531,257, published Sept. 21, 1948. Class 1.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 224,122, Feb. 15, 1927. Republished Dec. 28. Class 46.

Texas Star Flour Mills, Galveston, Tex. Wheat flour, corn products. 224,665, Mar. 1, 1927. Republished Dec. 28. Class 46.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 228,508, June 7, 1927. Republished Dec. 28. Class 46.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 231,399, Aug. 16, 1927. Republished Dec. 28. Class 46.

Texas Star Flour Mills, Galveston, Tex. Wheat flour, graham flour, rye flour, etc. 231,481, Aug. 23, 1927. Republished Dec. 28. Class 46.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 231,507, Aug. 23, 1927. Republished Dec. 28. Class 46.

Tex-O-Kan Flour Mills Co.: *See*—
Burrus Mill & Elevator Company, The.
New Century Milling Co., The.

Thomas Steel Company, The, Warren, Ohio. Plain cold-rolled strip steel, zinc-coated strip steel, nickel-coated strip steel, etc. 505,255, Dec. 28; Serial No. 539,814, published Sept. 7, 1948. Class 14.

Thomas, William R., Los Angeles, Calif., assignor to Vegetable Products Corporation, to Sokol & Company, Chicago, Ill. Bread, wafers. 254,213, renewed Mar. 12, 1949. O. G. Dec. 28. Class 46.

Thompson, Myra G.: *See*—
Septigyn Company, The.

Thompson, Mrs. O. J.: *See*—
Septigyn Company, The.

Thomson Electric Welder Company: *See*—
Thomson Electric Welding Company.

Thomson Electric Welding Company, Boston, by Thomson Electric Welder Company, Lynn, Mass. Electric metal-working apparatus. 130,018, Mar. 23, 1920. Republished Dec. 28. Class 21.

Timmerman, H. J.: *See*—
Hoyle, Joshua, & Sons, Ltd., Inc.

Tobin Packing Co., Inc.: *See*—
Albany Packing Company, Inc.

Tropic-Aire, Incorporated, Chicago, Ill. Heaters. 237,236, Jan. 3, 1928. Republished Dec. 28. Class 19.

Truitt, Martha B., Chicago, Ill. Hair pomade and hair dressing. 505,306, Dec. 28; Serial No. 550,861, published Sept. 21, 1948. Class 6.

Ty-Self Tie Co.: *See*—
Less, Joseph W.

Ulmer, William L., doing business as Superior Flux Company, Cleveland, Ohio. Solder. 441,702, Dec. 28; Serial No. 512,874, published Sept. 7, 1948. Class 14.

Uncas Manufacturing Company, Providence, R. I. Key rings, chain fasteners, snap fasteners, etc. 247,216, Sept. 25, 1928. Republished Dec. 28. Class 28.

Uncas Manufacturing Company, Providence, R. I. Jewelry. 323,624, Apr. 23, 1935. Republished Dec. 28. Class 28.

Uncas Manufacturing Company, Providence, R. I. Finger rings, bracelets, brooches, etc. 398,037, Oct. 6, 1942. Republished Dec. 28. Class 28.

Union Chain and Manufacturing Company, The, Sandusky, Ohio. Chain and chains for general use, and parts thereof and attachments therefor. 505,197, Dec. 28; Serial No. 529,727, published Sept. 21, 1948. Class 13.

Union Drug Co.: *See*—
Walgreen Co.

Union Steel Casting Company, by Blaw-Knox Company, Pittsburgh, Pa. Special alloy steel castings. 279,268, Jan. 13, 1931. Republished Dec. 28. Class 14.

United Distillers Limited, by United Distillers (of Canada) Ltd., Vancouver, British Columbia, Canada. Whiskey, gin and rum. 310,638, Mar. 6, 1934. Republished Dec. 28. Class 49.

United Distillers (of Canada) Ltd.: *See*—
United Distillers Limited.

United Drill & Tool Corporation: *See*—
Whitman & Barnes, Inc.

United Hosiery Mills Corporation, Chattanooga, Tenn. Hosiery, blouses, sunsuits, overalls, etc. 505,224, Dec. 28; Serial No. 533,647, published Sept. 7, 1948. Class 39.

United Hosiery Mills Corporation, Chattanooga, Tenn. Hosiery. 505,225, Dec. 28; Serial No. 533,648, published Sept. 7, 1948. Class 39.

U. S. Automatic Corporation, Amherst, Ohio. Screw machine products. 441,674, Dec. 28; Serial No. 486,011, published Sept. 21, 1948. Class 9.

United States Rubber Company, New York, N. Y. Pneumatic tires for vehicles. 505,198, Dec. 28; Serial No. 529,734, published Sept. 21, 1948. Class 35.

U. S. Standard Products Co., Woodworth, Wis. Pharmaceutical preparation. 434,432, Nov. 18, 1947. Republished Dec. 28. Class 6.

Universal Match Corporation: *See*—
Schutter Johnson Candy Company.

Universal Rayon Underwear Corporation, by Sil-O-Ette Underwear Co., New York, N. Y. Women's rayon underwear. 278,209, Dec. 9, 1930. Republished Dec. 28. Class 39.

Upjohn Company, The, Kalamazoo, Mich. Cod-liver oil. 252,199, renewed Jan. 29, 1949. O. G. Dec. 28. Class 6.

Upland Heights Orange Association, Upland, Calif. Fresh citrus fruits. 311,448, Mar. 20, 1934. Republished Dec. 28. Class 46.

Upland Heights Orange Association, Upland, Calif. Fresh citrus fruits. 331,758, Jan. 21, 1936. Republished Dec. 28. Class 46.

Urbana Manufacturing Company, Urbana, Ohio. Toy metal building sets. 441,692, Dec. 28; Serial No. 507,498, published Sept. 7, 1948. Class 22.

Utility Manufacturing Company, Inc., New York, N. Y., by Jack Galter, Chicago, Ill. Photographic cameras and parts thereof. 300,417, Jan. 17, 1933. Republished Dec. 28. Class 26.

Valentine Laboratories, Inc.: *See*—
Walgreen Co.

Valentine Laboratories, Inc., Chicago, Ill. Shampoo. 393,169, Jan. 27, 1942. Republished Dec. 28. Class 6.

Valentine Laboratories, Inc., Chicago, Ill. Vitamin preparation. 408,195, July 25, 1944. Republished Dec. 28. Class 6.

Valentine Laboratories, Inc., Chicago, Ill. Hair tonic. 413,250, Apr. 17, 1945. Republished Dec. 28. Class 6.

Van Heusden, John B., New York, N. Y., by Internationale Cacaofabrieken, Amsterdam, Netherlands. Prepared cocoa, cocoa butter, cocoa powder, etc. 270,184, Apr. 29, 1930. Republished Dec. 28. Class 46.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 278,045, Dec. 2, 1930. Republished Dec. 28. Class 39.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 384,346, Jan. 14, 1941. Republished Dec. 28. Class 39.

Vanta Company, The: *See*—
Earnshaw Knitting Company.

Vassar Company, Chicago, Ill. Men's and women's knitted and woven union suits, vests, drawers, etc. 433,478, Oct. 14, 1947. Republished Dec. 28. Class 39.

Vegetable Products Corporation: *See*—
Thomas, William R.

Volay of Paris Company, Kalamazoo, Mich. Perfumes. 441,706, Dec. 28; Serial No. 514,156, published Jan. 6, 1948. Class 6.

Wadsworth-Howland Company, by Jewel Paint & Varnish Co., Chicago, Ill. Mixed paint, varnish, enamel, etc. 146,396. Sept. 6, 1921. Republished Dec. 28. Class 16.

Wadsworth-Howland Company, by Jewel Paint & Varnish Co., Chicago, Ill. Semi-gloss enamel finish paint. 229,066, June 21, 1927. Republished Dec. 28. Class 16.

Wagner, Constantin, New York, N. Y. Graduated testing-bottles, graduated flasks, and graduated laboratory-glassware. 60,206, Jan. 29, 1907. Republished Dec. 28. Class 26.

Wakefield, F. W., Brass Company, The, Vermilion, Ohio. Electric luminaires and electric lighting fixtures. 505,193. Dec. 28; Serial No. 529,510, published Sept. 21, 1948. Class 21.

Walgreen Co., doing business as Valentine Laboratories, by Valentine Laboratories, Inc., Chicago, Ill. Tablets. 274,643, Sept. 2, 1930. Republished Dec. 28. Class 6.

Walgreen Co., doing business as Valentine Laboratories, by Valentine Laboratories, Inc., Chicago, Ill. Anti-pain tablet. 355,102, Mar. 8, 1938. Republished Dec. 28. Class 6.

Walgreen Co., doing business as Union Drug Co., by Valentine Laboratories, Inc., Chicago, Ill. Medicine for use as a stomachic preparation. 364,913, Feb. 21, 1939. Republished Dec. 28. Class 6.

Wall, E. T., Grower-Shipper: *See*—
McDermont and Wall, Inc.

Wallis, Marvin E., Salt Lake City, Utah. Thermoplastic wax. 441,691, Dec. 28; Serial No. 505,373, published Sept. 7, 1948. Class 6.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Hair tonic. 505,307, Dec. 28; Serial No. 551,348, published Sept. 21, 1948. Class 6.

Warner, William R., & Co., Inc.: *See*—
Schering & Glatz, Inc.

Wausau Sulphate Fibre Co., Wausau and Mosinee, Wis., by Mosinee Paper Mills Co., Mosinee, Wis. Wrapping paper. 108,877, Feb. 29, 1916. Republished Dec. 28. Class 37.

Wayne Knitting Mills, Fort Wayne, Ind. Stockings. 505,210. Dec. 28; Serial No. 531,269, published Sept. 7, 1948. Class 39.

Weinberg Corporation, Chicago, Ill. Men's and young men's suits, coats, vests, etc. 505,211; Dec. 28; Serial No. 531,271, published Sept. 21, 1948. Class 39.

Welch Grape Juice Company, The: *See*—
Nussbaum Bros.

Wells, Earl J., doing business as Wells Mfg. Co., Comptche, Calif. Micrometers. 505,134, Dec. 28; Serial No. 504,954, published Sept. 21, 1948. Class 26.

Wells Mfg. Co.: *See*—
Wells, Earl J.

Werk, Julius N., Fabrics, Inc., New York, N. Y. Piece goods. 505,152. Dec. 28; Serial No. 517,538, published Sept. 7, 1948. Class 42.

Western Hosiery Company, Chicago, Ill. Gloves and mittens. 175,810, Nov. 13, 1923. Republished Dec. 28. Class 39.

West Virginia Rail Company, The, to West Virginia Steel and Manufacturing Company, Huntington, W. Va. Steel and metal railroad ties and rails, etc. 254,302, renewed Mar. 19, 1949. O. G. Dec. 28. Class 14.

West Virginia Steel and Manufacturing Company, The: *See*—
West Virginia Rail Company, The.

Wheatley Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 505,313, Dec. 28; Serial No. 516,104. Class 42.

White, Alexander H., Inc., by White & Company, doing business as Junior Sports, New York, N. Y. Women's and misses' outer skirts, suits, dresses, etc. 364,087, Jan. 17, 1939. Republished Dec. 28. Class 39.

White & Bagley Company, The, Worcester, Mass. Penetrants and lubricants. 292,045, Mar. 1, 1932. Republished Dec. 28. Class 15.

White & Bagley Company, The, Worcester, Mass. Lubricating oils and greases. 302,872, May 2, 1933. Republished Dec. 28. Class 15.

White & Bagley Company, The, Worcester, Mass. Lubricant oils. 304,246, June 27, 1933. Republished Dec. 28. Class 15.

White & Bagley Company, The, Worcester, Mass. Liquid lubricant. 330,647, Dec. 10, 1935. Republished Dec. 28. Class 15.

White & Bagley Company, The, Worcester, Mass. Liquid flushing and cleaning compound for flushing and cleaning motors. 394,578, Apr. 14, 1942. Republished Dec. 28. Class 6.

White & Company: *See*—
White, Alexander H., Inc.

White, Henry, & Co., by White, Keeling (Rum) Limited, London, England. Rum. 16,486, Apr. 9, 1889. Republished Dec. 28. Class 49.

White Horse Distillers, Limited, Glasgow, Scotland. Scotch whisky. 308,738, Dec. 19, 1933. Republished Dec. 28. Class 49.

White Horse Distillers, Limited, Glasgow, Scotland. Scotch whisky. 310,140, Feb. 13, 1934. Republished Dec. 28. Class 49.

White Horse Distillers, Limited, Glasgow, Scotland. Scotch whisky. 316,134, Aug. 14, 1934. Republished Dec. 28. Class 49.

White, Keeling (Rum) Limited: *See*—
White, Henry & Co.

Whiting-Adams Company, Inc., Boston, Mass. Sash tool brushes. 433,107–8, Sept. 23, 1947. Republished Dec. 28. Class 29.

Whiting-Adams Company, Inc., Boston, Mass. Oval varnish brushes. 433,109–10, Sept. 23, 1947. Republished Dec. 28. Class 29.

Whiting-Adams Company, Inc., Boston, Mass. Flat varnish brushes. 433,111, Sept. 23, 1947. Republished Dec. 28. Class 29.

Whitman & Barnes, Inc., Detroit, Mich., by United Drill & Tool Corporation, Chicago, Ill. Arbors, bits, center reamers, etc. 264,309, Nov. 26, 1929. Republished Dec. 28. Class 23.

Whittier Select Citrus Association, Whittier, Calif. Fresh citrus fruits. 308,035, Nov. 21, 1933. Republished Dec. 28. Class 46.

Widdicomb, John Co., Inc., New York, New York, N. Y. Dining room, bedroom and living room furniture. 378,667, Apr. 2, 1940. Republished Dec. 28. Class 32.

Wilcox, H. F., Oil & Gas Company, to Wilcox Oil Company, Tulsa, Okla. Gasoline, crude oil, illuminating oil, etc. 248,772, renewed Oct. 30, 1948. O. G. Dec. 28. Class 15.

Wilcox Oil Company: *See*—
Wilcox, H. F., Oil & Gas Company.

Williamsville Buff Mfg. Co.: *See*—
Williamsville Manufacturing Company.

Williamsville Manufacturing Company, Killingly, by Williamsville Buff Mfg. Co., Danielson, Conn. Cotton-cloth buff-wheels. 50,120, Mar. 6, 1906. Republished Dec. 28. Class 4.

Williards Chocolates, Limited, Toronto, Ontario, Canada. Confectionery, particularly chocolates. 225,640, renewed Mar. 22, 1947. O. G. Dec. 28. Class 46.

Winkenweder & Ladd, Inc., Chicago, Ill. Reenforced tubing made of synthetic rubber. 505,135, Dec. 28; Serial No. 507,952, published Sept. 21, 1948. Class 35.

Winner, Inc., Berne, Ind. Children's, boys', youths', girls' and misses' play and school togs. 441,720, Dec. 28; Serial No. 519,368, published Sept. 21, 1948. Class 39.

Winpower Mfg. Company, Newton, Iowa. Diesel electric plants. 505,213, Dec. 28; Serial No. 531,408, published Sept. 21, 1948. Class 21.

Wittwer, Edw. & Bro., by Arn & Zweifel Company, Monticello, Wis. Cheese. 102,236, Jan. 26, 1915. Republished Dec. 28. Class 46.

Wolf Brothers & Co., Red Lion, Pa. Cigars. 286,948, Sept. 8, 1931. Republished Dec. 28. Class 17.

Wright Drug Company: *See*—
Howard, Dorothy D.

Wright & Greig Limited, Glasgow, Scotland. Whisky. 311,611, Mar. 27, 1934. Republished Dec. 28. Class 49.

Wright & McGill Co., Denver, Colo. Fish hooks and artificial fish lures. 505,204, Dec. 28; Serial No. 531,071, published Sept. 7, 1948. Class 22.

Wright, Morna: *See*—
Dunlap, Ethelbert H.

Wright, Morna, Medicine Company: *See*—
Dunlap, Ethelbert H.

Wyoming Shovel Works, The, Wyoming, Pa., by Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 96,768, Apr. 28, 1914. Republished Dec. 28. Class 23.

Yomanco Production Co.: *See*—
York Manufacturing Company.

York Manufacturing Company, doing business as Yomanco Production Co., Saco, Maine, to Bates Manufacturing Company, Lewiston, Maine. Water-proofed textile fabrics. 245,467, renewed Aug. 14, 1948. O. G. Dec. 28. Class 42.

Young's Speedy Shoes, Inc., Los Angeles, Calif. Boots, shoes, and slippers. 505,179, Dec. 28; Serial No. 527,983, published Sept. 21, 1948. Class 39.

Zimmerman, Charles H., doing business under the name of Zimmerman Packing Company, Cincinnati, Ohio. Asbestos, duck, fibrous, leather, rubber, and metal packings. 441,738, Dec. 28; Serial No. 526,180, published Sept. 14, 1948. Class 35.

Zimmerman Packing Company: *See*—
Zimmerman, Charles H.

Ziv Steel & Wire Co., Chicago, Ill. Drill and tool steel. 505,267, Dec. 28; Serial No. 542,386, published Aug. 24, 1948. Class 14.

Ziv Steel & Wire Co., Chicago, Ill. Drill and tool steel. 505,268, Dec. 28; Serial No. 542,389, published Aug. 24, 1948. Class 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bones and gall. International Commercial Co., Inc. 505,233, Dec. 28; Serial No. 534,533, published Sept. 21, 1948.

Coal. Central Indiana Coal Co. 173,306, Sept. 18, 1923. Republished Dec. 28.

Coal. Eastern Gas and Fuel Associates. 505,249, Dec. 28; Serial No. 538,505, published Sept. 21, 1948.

Coal. General Coal Company. 390,845, Oct. 7, 1941. Republished Dec. 28.

Coal. Terteling Brothers, Incorporated. 505,209, Dec. 28; Serial No. 531,257, published Sept. 21, 1948.

Coal and coke. General Coal Company. 192,014, Nov. 25, 1924. Republished Dec. 28.

Flower bulbs. C. Pearlstein. 505,320, Dec. 28; Serial No. 536,831.

Hops. E. Epps. 505,154, Dec. 28; Serial No. 518,394, published Sept. 21, 1948.

Molding compounds, cast resins, oil soluble resins, etc., Thermoplastic and thermosetting. Omni Products Corporation. 505,232, Dec. 28; Serial No. 534,462, published Sept. 21, 1948.

Mouton furs and patent and side leathers. Allied Kid Company. 505,262, Dec. 28; Serial No. 541,484, published Sept. 21, 1948.

Pelts or unfinished furs. Louisiana Furs, Inc. 271,759, June 17, 1930. Republished Dec. 28.

Plastic material in sheet, rod, and tube form. Plastic Glass Corporation. 441,719, Dec. 28; Serial No. 519,026, published Sept. 21, 1948.

Pulp for the manufacture of paper and rayon, Bleached sulphite. Aktiebolaget Mölnbacka-Trysil. 441,676, Dec. 28; Serial No. 490,616, published Sept. 21, 1948.

Resins and plastics of the polyester type, Synthetic thermosetting. American Cyanamid Company. 505,192, Dec. 28; Serial No. 529,430, published Sept. 21, 1948.

Sole leather. J. W. & A. P. Howard & Co., Ltd. 101,288, Nov. 24, 1914. Republished Dec. 28.

Sole leather. J. W. & A. P. Howard Company. 280,684, Feb. 24, 1931. Republished Dec. 28.

Sole leather. J. W. & A. P. Howard Company. 330,127, Nov. 19, 1935. Republished Dec. 28.

Zinc calcium resinate. Newport Industries, Inc. 441,722, Dec. 28; Serial No. 520,966, published Sept. 21, 1948.

CLASS 2

Bags, Paper. Kansas City Wholesale Grocery Co. 222,949, Jan. 11, 1927. Republished Dec. 28.

Boxes and shipping cases. Federal Container Company. 243,509, June 26, 1928. Republished Dec. 28.

Crates, Bottle. G. H. Tennant Company. 319,084, Nov. 13, 1934. Republished Dec. 28.

CLASS 3

Horseshoes and horseshoe calks. Diamond Calk Horse Shoe Company. 168,676, May 29, 1923. Republished Dec. 28.

CLASS 4

Bicarbonate of soda (baking soda). Church & Dwight Co., Inc. 505,166, Dec. 28; Serial No. 526,748, published Sept. 21, 1948.

Buff wheels, Cotton-cloth. Williamsville Manufacturing Company. 50,120, Mar. 6, 1906. Republished Dec. 28.

Cleaner for furniture and automobile upholstery and traffic film remover and rubbing compound. Colorgio Products. 324,538, May 21, 1935. Republished Dec. 28.

Cleaner, Wallpaper. Mrs. O. H. Schnelle. 319,897, Dec. 11, 1934. Republished Dec. 28.

Cleaning fluid. Industrial Oil Corporation. 441,690, Dec. 28; Serial No. 504,275, published Feb. 17, 1948.

Cleanser and polish. I. W. Cox. 128,961, Jan. 20, 1920. Republished Dec. 28.

Cleanser in liquid form. Diversey Corporation. 505,144, Dec. 28; Serial No. 513,810, published Sept. 14, 1948.

Deposit remover in powdered form, etc., Scale and milkstone. Diversey Corporation. 505,239, Dec. 28; Serial No. 534,881, published Sept. 14, 1948.

Detergent, Liquid or finely divided solid organic chemical. General Aniline & Film Corporation. 505,310, Dec. 28; Serial No. 557,035, published Sept. 14, 1948.

Floor cleaner, Liquid, liquid hand soap, liquid toilet bowl cleaner, etc. Krano Sanitary & Janitor Supply Co. 505,170, Dec. 28; Serial No. 526,969, published Aug. 3, 1948.

Liquid preparation for polishing leather shoes. Griffin Manufacturing Company, Inc. 505,292, Dec. 28; Serial No. 547,627, published Sept. 14, 1948.

Oils for treating artificial and real leather. Pierce Company. 165,073, Mar. 6, 1923. Republished Dec. 28.

Paste, Chemically neutral aqueous. American Oil and Disinfectant Corp. 505,149, Dec. 28; Serial No. 516,656, published Aug. 3, 1948.

Polish, Metal. Jewel Paint & Varnish Co. 275,339, Sept. 23, 1930. Republished Dec. 28.

Polishing compositions. E. Reed Burns Supply Company. 148,228, Nov. 8, 1921. Republished Dec. 28.

Preparation in stick form which is applied to windows to prevent fogging and formation of ice in cold weather. J. C. Bode, Jr. 505,317, Dec. 28; Serial No. 530,717.

Sal soda, washing soda, monohydrated carbonate of soda, etc. Church & Dwight Co., Inc. 505,168, Dec. 28; Serial No. 526,797, published Sept. 14, 1948.

Scouring cloths. R. B. Kingman. 155,734, June 6, 1922. Republished Dec. 28.

Scouring utensils. Chore Utensils Corporation of America. 163,807, Jan. 30, 1923. Republished Dec. 28.

Scouring utensils. Chore Utensils Corporation of America. 167,897, May 8, 1923. Republished Dec. 28.

Shaving creams. Courtley, Ltd. 441,731, Dec. 28; Serial No. 524,303, published Sept. 14, 1948.

Silver polish. C. D. Peacock, Inc. 505,187, Dec. 28; Serial No. 528,736, published Sept. 14, 1948.

Soap. Kansas City Wholesale Grocery Co. 224,295, Feb. 22, 1927. Republished Dec. 28.

Soap. Los Angeles Soap Company. 505,202, Dec. 28; Serial No. 530,744, published Sept. 14, 1948.

Soap and grease remover, Synthetic type of. Red Spot Paint & Varnish Co., Inc. 441,721, Dec. 28; Serial No. 520,650, published Sept. 14, 1948.

Soap, Castile. Earnshaw Knitting Company. 292,060, Mar. 1, 1932. Republished Dec. 28.

Soap, Castile. Earnshaw Knitting Company. 292,130–1, Mar. 1, 1932. Republished Dec. 28.

Soap, Cleansing and shaving. Pacquin, Inc. 249,628, renewed Nov. 20, 1948. O. G. Dec. 28.

Soap in packaged form, Bar. L. Rothschild. 505,293, Dec. 28; Serial No. 547,772, published Sept. 21, 1948.

Soap in packaged form, Bar. L. Rothschild. 505,294, Dec. 28; Serial No. 547,774, published Sept. 21, 1948.

Soap, Laundry bar. Cudahy Packing Company. 505,311, Dec. 28; Serial No. 558,349, published Sept. 21, 1948.

Soaps, and shaving creams and soaps. Courtley, Ltd. 441,730, Dec. 28; Serial No. 524,302, published Sept. 14, 1948.

CLASS 6

Antacid and digestant. Abbott Laboratories. 243,080, renewed June 12, 1948. O. G. Dec. 28.

Anterior hypophyseal gonadotropic factor and growth complex; antipertussis serum; bile salt tablets, etc. Ayerst, McKenna & Harrison Limited. 505,248, Dec. 28; Serial No. 537,866, published Aug. 31, 1948.

Antibacterial preparations. Eaton Laboratories, Inc. 441,715, Dec. 28; Serial No. 517,837, published Oct. 7, 1947.

Antibiotic preparation. Burroughs Wellcome & Co. (U. S. A.) Inc. 505,252, Dec. 28; Serial No. 539,646, published Sept. 21, 1948.

Antiseptic for treating poultry and birds. Dr. Salsbury's Laboratories. 325,992, July 9, 1935. Amended. O. G. Dec. 28.

Antispasmodic and sedative drug. Wm. P. Poythress & Co. Inc. 366,255, Apr. 4, 1939. Republished Dec. 28.

Assistants useful in dyeing procedures and textile processing. Arkansas Company, Inc. 441,716, Dec. 28; Serial No. 517,954, published Sept. 7, 1948.

Baby powder, Sterilized. Earnshaw Knitting Company. 292,487–9, Mar. 15, 1932. Republished Dec. 28.

Butane and propane gases. Pacific Gas Corporation. 505,309, Dec. 28; Serial No. 553,127, published Sept. 21, 1948.

Caustic soda, chlorinated lime, epsom salt, etc. Drackett Chemical Company. 303,123, May 9, 1933. Republished Dec. 28.

Chemical dyestuffs. E. Sonnenschein & Co., Inc. 441,728, Dec. 28; Serial No. 522,614, published Sept. 21, 1948.

Chemical preparation. F. M. Fahrbach. 441,737, Dec. 28; Serial No. 525,811, published Aug. 24, 1948.

Chemical solutions. Auto-Chlor System, Inc. 505,303, Dec. 28; Serial No. 550,878, published Sept. 21, 1948.

Chemicals and insecticides. Central Chemical Corporation of Maryland. 396,215, June 30, 1942. Republished Dec. 28.

Chemicals and insecticides. Central Chemical Corporation of Maryland. 415,402, Aug. 7, 1945. Republished Dec. 28.

Chemicals for exterminating weeds. Sherwin-Williams Company. 505,260, Dec. 28; Serial No. 540,908, published Aug. 31, 1948.

Chemicals, Heavy. General Chemical Company. 215,759, July 27, 1926. Republished Dec. 28.

Cod-liver oil. Upjohn Company. 252,199, renewed Jan. 29, 1949. O. G. Dec. 28.

Cod liver oils and by-products thereof. British Cod Liver Oils (Hull & Grimsby) Limited. 441,696, Dec. 28; Serial No. 509,393, published Sept. 21, 1948.

Compositions for cleaning water cooling systems, compositions for sealing leaks, etc. Socony-Vacuum Oil Company, Incorporated. 441,734, Dec. 28; Serial No. 524,827, published Aug. 24, 1948.

Concentration of ergot, Liquid. Sharp & Dohme, Incorporated. 505,299, Dec. 28; Serial No. 549,091, published Sept. 21, 1948.

Cosmetic creams, shampoos, hair preparations, etc. Procter & Gamble Company. 505,242, Dec. 28; Serial No. 536,446, published Sept. 7, 1948.

Cosmetics. B. I. Pepper. 505,287, Dec. 28; Serial No. 546,868, published Sept. 21, 1948.

Cosmetics, lipsticks, cologne, perfume, etc. M. Alex. 505,318, Dec. 28; Serial No. 534,716.

Cough sirup. E. C. De Witt & Co. Inc. 201,008, July 14, 1925. Republished Dec. 28.

Cream for external application. E. C. De Witt & Co. 44,550, July 11, 1905. Republished Dec. 28.

Cream, Hand. B. I. Smith. 505,286, Dec. 28; Serial No. 546,798, published Sept. 21, 1948.

Cream, Hand. Frank Steven Cosmetic Corporation. 441,717, Dec. 28; Serial No. 518,057, published Sept. 7, 1948.

Cultures, Fermented, veterinary antiseptic, deodorants, etc. Dalare Associates. 330,411, Dec. 3, 1935. Republished Dec. 28.

Deodorants, Industrial. M. Fielding. 505,285, Dec. 28; Serial No. 546,573, published Sept. 21, 1948.

Diuretic drug. Wm. P. Poythress & Co., Inc. 342,305, Jan. 12, 1937. Republished Dec. 28.

Electroplating bath ingredients. Hanson-Van Winkle-Munning Company. 432,437, Sept. 2, 1947. Republished Dec. 28.

Estrogenic hormone substances, Natural and synthetic. Endocrine Company. 505,308, Dec. 28; Serial No. 552,046, published Sept. 21, 1948.

Ethyl acetate, butyl acetate, amyl acetate, etc. Publicker Industries Inc. 505,169, Dec. 28; Serial No. 526,798, published Sept. 21, 1948.

Expectorant and a cough syrup. E. C. De Witt & Co. Inc. 414,502, June 12, 1945. Republished Dec. 28.

Eye bath. E. C. De Witt & Co. Inc. 192,053, Nov. 25, 1924. Republished Dec. 28.

Eye lotion, eye drops. Harris Eye Lotion Co., Inc. 505,181, Dec. 28; Serial No. 528,208, published Aug. 31, 1948.

Flushing and cleaning compound for flushing and cleaning motors, Liquid. White & Bagley Company. 394,578, Apr. 14, 1942. Republished Dec. 28.

Hair dressing, bath salts, almond-meal cream, etc. Schramm-Johnson, Drugs. 180,743, Mar. 4, 1924. Republished Dec. 28.

Hair dressing preparations. Hair Research Studio. 505,284, Dec. 28; Serial No. 546,493, published June 15, 1948.

Hair pomade and hair dressing. M. B. Truitt. 505,306, Dec. 28; Serial No. 550,861, published Sept. 21, 1948.

Hair tonic. Valentine Laboratories, Inc. 413,250, Apr. 17, 1945. Republished Dec. 28.

Hair tonic. John Wanamaker Philadelphia. 505,307, Dec. 28; Serial No. 551,348, published Sept. 21, 1948.

Injectable pyrogen. Baxter Laboratories, Inc. 505,234, Dec. 28; Serial No. 534,592, published Sept. 14, 1948.

Insecticide and fungicide. Central Chemical Corporation. 410,073, Nov. 7, 1944. Republished Dec. 28.

Insecticides and fungicides. General Chemical Company. 184,349–50, May 20, 1924. Republished Dec. 28.

Jelly and creme, Medicated. Larré Laboratories, Inc. 505,298, Dec. 28; Serial No. 548,820, published Sept. 21, 1948.

Liniment. C. H. Lanyon. 29,704, Mar. 16, 1897. Republished Dec. 28.

Lipstick, rouge, nail polish. Avon Products, Inc. 434,322, Nov. 18, 1947. Republished Dec. 28.

Lipsticks, face powder, rouge, etc. Charles of The Ritz Distributors Corp. 505,273, Dec. 28; Serial No. 544,326, published Sept. 21, 1948.

Lipsticks, rouges, and nail polish. Avon Products, Inc. 434,186, Nov. 11, 1947. Republished Dec. 28.

Lithium salt of a long chain fatty acid having lubricating properties of itself. Foote Mineral Company. 505,282, Dec. 28; Serial No. 546,212, published Sept. 21, 1948.

Lotion. Carrel, Ltd. 405,280, Jan. 18, 1944. Republished Dec. 28.

Lotion, After shaving, after shaving skin cream, bath salt, etc. Parfa Parfumerie und Kosmetik, A. G. 441,714, Dec. 28; Serial No. 517,583, published Sept. 21, 1948.
Lotions, Hair, and scalp massage cream. V. Leon. 441,670, Dec. 28; Serial No. 470,203, published Dec. 26, 1944.
Lozenges. National Licorice Company. 330,278, Nov. 26, 1935. Republished Dec. 28.
Lye and chlorinated lime. J. B. Ford Company. 252,553, renewed Feb. 12, 1949. O. G. Dec. 28.
Medicated cloth for treatment of the skin. M. S. Rubey. 441,698, Dec. 28; Serial No. 512,022, published Sept. 14, 1948.
Medicated rub. Denver Chemical Manufacturing Company. 505,302, Dec. 28; Serial No. 550,030, published Sept. 7, 1948.
Medicinal comprising soluble barbital. Schering & Glatz, Inc. 441,693, Dec. 28; Serial No. 507,941, published Sept. 21, 1948.
Medicine. D. D. Howard. 505,300, Dec. 28; Serial No. 549,258, published Sept. 21, 1948.
Medicine for the treatment of colic in mules and horses. E. H. Dunlap. 248,473, renewed Oct. 23, 1948. O. G. Dec. 28.
Medicine for use as a stomachic preparation. Walgreen Co. 364,913, Feb. 21, 1939. Republished Dec. 28.
Medicines. Germania Tea Company. 285,647, Aug. 4, 1931. Republished Dec. 28.
Medicines to be used as an antiseptic. Septigyn Company. 110,997, June 20, 1916. Republished Dec. 28.
Nutritive compound. J. Carnrick. 25,787, Jan. 1, 1895. Republished Dec. 28.
Olive oil, Sterilized. Earnshaw Knitting Company. 292,558, Mar. 15, 1932. Republished Dec. 28.
Olive oil, Sterilized. Earnshaw Knitting Company. 292,579–80, Mar. 15, 1932. Republished Dec. 28.
Pads, Medicated corn, callous and bunion, etc. Scholl Mfg. Co., Inc. 505,163, Dec. 28; Serial No. 526,610, published Aug. 31, 1948.
Paste-like modality. P. E. Bennett. 505,270, Dec. 28; Serial No. 543,268, published Sept. 21, 1948.
Penicillin. Schenley Laboratories, Inc. 505,147–8, Dec. 28; Serial Nos. 516,581–2, published Sept. 21, 1948.
Perfume, toilet water, face powder, etc. Bourjois Inc. 254,644, renewed Mar. 26, 1949. O. G. Dec. 28.
Perfumes. Volay of Paris Company. 441,706, Dec. 28; Serial No. 514,156, published Jan. 6, 1948.
Perfumes, face powders, toilet waters, etc. S. A. Givlemme. 505,256, Dec. 28; Serial No. 539,867, published Sept. 21, 1948.
Perfumes, toilet waters, and colognes. Avon Products, Inc. 434,354, Nov. 18, 1947. Republished Dec. 28.
Pharmaceutical preparation. U. S. Standard Products Co. 434,432, Nov. 18, 1947. Republished Dec. 28.
Plasticizers. Pan American Refining Corporation. 505,296, Dec. 28; Serial No. 548,681, published Sept. 21, 1948.
Poison, Rat, mouse, mole, and gopher, etc. W. R. Sweeney, Mfgr. 505,274, Dec. 28; Serial No. 544,478, published Sept. 21, 1948.
Powders of trisodium phosphate base, Water-softening. Rex Products & Mfg. Company. 220,486, renewed Nov. 9, 1946. O. G. Dec. 28.
Preparation containing fungicidal, germicidal, and deodorant properties. Ridd Laboratories, Incorporated. 505,183, Dec. 28; Serial No. 528,378, published Sept. 21, 1948.
Preparation for deodorizing and treating athlete's foot. Sweet Feet, Incorporated. 343,025, Feb. 9, 1937. Republished Dec. 28.
Preparation for the relief of chapped lips, cold sores and fever sores. S. Pfeiffer Mfg. Co. 505,247, Dec. 28; Serial No. 537,730, published Sept. 7, 1948.
Preparation to relieve gastro-intestinal disorders. Nestle's Milk Products, Inc. 505,305, Dec. 28; Serial No. 550,724, published Sept. 21, 1948.
Preparation useful in the treatment of urinary infection of the colon bacillus origin. Wm. P. Poythress & Co., Inc. 312,053, Apr. 17, 1934. Republished Dec. 28.
Remedies for headache, dyspepsia, stomach catarrah, etc. Mother's Remedies Co. 71,172, re-renewed Nov. 3, 1948. O. G. Dec. 28.
Remedy for foot ailments. A. P. Foose. 99,387, Aug. 25, 1914. Republished Dec. 28.
Salt, Water softener, meat curing salt, ice cream salt, etc. Carey Salt Company. 505,246, Dec. 28; Serial No. 537,148, published Aug. 31, 1948.
Salve. Coast Laboratories. 505,301, Dec. 28; Serial No. 549,617, published Sept. 21, 1948.
Salve for drawing and healing and for treatment of boils. R. T. Dunn. 505,263, Dec. 28; Serial No. 541,748, published Sept. 21, 1948.
Salves. E. C. De Witt & Co. 45,039, Aug. 1, 1905. Republished Dec. 28.
Shampoo. Valentine Laboratories, Inc. 393,169, Jan. 27, 1942. Republished Dec. 28.
Stabilizers. Baker Castor Oil Company. 505,264, Dec. 28; Serial No. 541,910, published July 20, 1948.
Sulfonamide preparation. Smith, Kline & French Laboratories. 505,304, Dec. 28; Serial No. 550,623, published Sept. 21, 1948.
Surgical lubricant. Rutlee Chemical Company, Inc. 441,710, Dec. 28; Serial No. 515,794, published Aug. 24, 1948.
Tablet, Anti-pain. Walgreen Co. 355,102, Mar. 8, 1938. Republished Dec. 28.
Tablets. Walgreen Co. 274,643, Sept. 2, 1930. Republished Dec. 28.
Thermoplastic wax. M. E. Wallis. 441,691, Dec. 28; Serial No. 505,373, published Sept. 7, 1948.
Toilet preparations. D. Gray. 254,056, renewed Mar. 12, 1949. O. G. Dec. 28.
Vaginal dry douche. A. S. McCarthy. 505,237, Dec. 28; Serial No. 534,797, published Aug. 31, 1948.
Vegetable oil product, Processed. Pierce Oil Products Corp. 399,506, Jan. 19, 1943. Republished Dec. 28.
Vitamin preparation. Valentine Laboratories, Inc. 408,195, July 25, 1944. Republished Dec. 28.
Vitamin preparation for internal use. Olafsen Vitamins, Inc. 413,258, Apr. 17, 1945. Republished Dec. 28.
Vitamin preparation in tablet form. R. I. Guy. 505,156, Dec. 28; Serial No. 520,101, published Sept. 14, 1948.
Vitamin preparations. Distillation Products, Inc. 505,229, Dec. 28; Serial No. 534,005, published Sept. 7, 1948.

CLASS 7

Rope, cord, lines, and twine. American Manufacturing Company. 115,269, Feb. 6, 1917. Republished Dec. 28.

CLASS 8

Lighters, Pyrophoric cigar and cigarette. Match King, Inc. 323,757, Apr. 30, 1935. Republished Dec. 28.

CLASS 9

Bomb attached to the spark plugs, Whistling auto. E. H. Robertson. 505,290, Dec. 28; Serial No. 547,284, published Sept. 21, 1948.
Cartridges, Specially constructed. Hercules Powder Company. 505,288, Dec. 28; Serial No. 546,904, published Sept. 21, 1948.
Pistol holsters. H. & D. Folsom Arms Co., Inc. 505,297, Dec. 28; Serial No. 548,736, published Sept. 21, 1948.
Screw machine products. U. S. Automatic Corporation. 441,674, Dec. 28; Serial No. 486,011, published Sept. 21, 1948.
Shot shells and rifle cartridges. Olin Industries, Inc. 505,178, Dec. 28; Serial No. 527,902, published Aug. 31, 1948.

CLASS 10

Fertilizers. Central Chemical Corporation of Maryland. 353,017, Dec. 21, 1937. Republished Dec. 28.
Fertilizers. Central Chemical Corporation of Maryland. 374,186, Jan. 2, 1940. Republished Dec. 28.

CLASS 11

Carbon discs. Autographic Register Company. 505,176, Dec. 28; Serial No. 527,567, published Sept. 21, 1948.
Carbon paper, typewriter ribbons, and duplicator inks. Red Feather Products Ltd. 441,700, Dec. 28; Serial No. 512,143, published Sept. 21, 1948.

CLASS 12

Fire brick. Harbison-Walker Refractories Company. 330,697, Dec. 10, 1935. Republished Dec. 28.
Floor resurfacing material, Semi-liquid. C. M. Shelton. 441,682, Dec. 28; Serial No. 498,259, published May 6, 1947.
Flooring materials, Rubber composition, or rubber tiling. R. C. A. Rubber Company. 345,612, May 4, 1937. Republished Dec. 28.
Insulating paper, Thermal. Mosinee Paper Mills Company. 283,238, May 19, 1931. Republished Dec. 28.
Plywood, unfinished and finished lumber. Lehwood Corporation. 505,258, Dec. 28; Serial No. 540,543, published Aug. 31, 1948.
Tiling in sheet or block form, Rubber. R. C. A. Rubber Company. 345,613, May 4, 1937. Republished Dec. 28.
Windows, Storm, and storm doors. Alsco, Inc. 427,307, Feb. 4, 1947. Republished Dec. 28.

CLASS 13

Bolts. Lewis Bolt & Nut Company. 505,221, Dec. 28; Serial No. 533,034, published Sept. 21, 1948.
Chain and chains for general use, and parts thereof and attachments therefor. Union Chain and Manufacturing Company. 505,197, Dec. 28; Serial No. 529,727, published Sept. 21, 1948.
Chains, General purpose. Columbus McKinnon Chain Corporation. 441,697, Dec. 28; Serial No. 510,425, published Sept. 14, 1948.
Chains, Tire, and metal industrial chains. McKay Company. 441,677, Dec. 28; Serial No. 491,580, published Sept. 21, 1948.
Coffee pots and coffee makers, Non-electric, double boilers, sauce pans, etc. Nicro Steel Products, Incorporated. 441,695, Dec. 28; Serial No. 508,544, published Sept. 14, 1948.
Couplings, Separable hose, and hose menders. W. D. Allen Manufacturing Co. 505,151, Dec. 28; Serial No. 517,447, published Sept. 14, 1948.
Fasteners, Slide. Allen Innovations, Inc. 505,180, Dec. 28; Serial No. 528,155, published Sept. 21, 1948.
Fastening devices. Ackerman-Johnson Co. 505,175, Dec. 28; Serial No. 527,543, published Sept. 21, 1948.

Hangers or brackets. Bin-Hay Corporation. 505,219, Dec. 28; Serial No. 532,799, published Sept. 21, 1948.
Hangers, Picture. Franklin Picture Frame Co. 441,709, Dec. 28; Serial No. 515,418, published Sept. 21, 1948.
Hollow ware, Base metal cooking and table. Club Aluminum Products Co. 441,679, Dec. 28; Serial No. 495,270, published Feb. 10, 1948.
Knives, forks, spoons, ladies, tongs, tea balls, tea strainers, sifters, etc. Rogers, Lunt & Bowlen Company. 145,191, July 26, 1921. Republished Dec. 28.
Knives, forks, spoons, napkin rings, napkin markers, cups, bowls, etc. Franklin Silver Plate Company. 151,482, Feb. 7, 1922. Republished Dec. 28.
Knives, forks, spoons, tongs, ladies, sifters, pins, etc., Sterling silver. Rogers, Lunt & Bowlen Company. 88,364, Sept. 10, 1912. Republished Dec. 28.
Nuts, Safety. Société "Sécurit's" E. D. L. C. 441,689, Dec. 28; Serial No. 502,851, published Sept. 21, 1948.
Pressure cookers and canners. Lakeside Aluminum Company. 505,150, Dec. 28; Serial No. 516,703, published Sept. 21, 1948.
Screening. Wm. Richman Supply Corp. 441,739, Dec. 28; Serial No. 526,293, published Sept. 21, 1948.
Screws, bolts, nuts, metal washers, lock washers, and coil springs. Accurate Parts Manufacturing Company. 296,766, Aug. 23, 1932. Republished Dec. 28.
Skewers. J. J. Jacobson. 441,685, Dec. 28; Serial No. 499,237, published Sept. 21, 1948.
Tableware, Babies' and children's. Rogers, Lunt & Bowlen Company. 161,601, Nov. 14, 1922. Republished Dec. 28.
Tubes, Air vent. Scully Signal Company. 505,253, Dec. 28; Serial No. 539,762, published Sept. 21, 1948.
Valve stem operating mechanism for fluid control valves. Edward Valves, Inc. 505,155, Dec. 28; Serial No. 519,383, published Sept. 14, 1948.
Wire fencing. Colorado Fuel and Iron Corporation. 441,729, Dec. 28; Serial No. 523,649, published Sept. 14, 1948.

CLASS 14

Anodes, Electroplating. Hanson-Van Winkle-Munning Company. 432,438, Sept. 2, 1947. Republished Dec. 28.
Castings, Ferrous. Lakeside Malleable Castings Company. 505,139, Dec. 28; Serial No. 510,258, published Sept. 7, 1948.
Castings, Precision. Crucible Steel Company of America. 505,289, Dec. 28; Serial No. 547,236, published Sept. 7, 1948.
Drill-rods and drawn wire, Polished. Globe Wire Company, Ltd. 67,461, Feb. 4, 1908. Republished Dec. 28.
Leads, slugs, and rules cast in type metal. American Type Founders, Inc. 374,254, Jan. 2, 1940. Republished Dec. 28.
Railroad ties and rails, etc., Steel and metal. West Virginia Rail Company. 254,302, renewed Mar. 19, 1949. O. G. Dec. 28.
Solder. W. L. Ulmer. 441,702, Dec. 28; Serial No. 512,874, published Sept. 7, 1948.
Steel, Bar tool. Delaware Tool Steel Corporation. 505,295, Dec. 28; Serial No. 547,976, published Sept. 7, 1948.
Steel bars, Cold finished, aircraft strip steel, cold rolled strip steel, etc. General Steel Warehouse Co., Inc. 505,131, Dec. 28; Serial No. 491,474, published Aug. 31, 1948.
Steel castings, Special alloy. Union Steel Casting Company. 279,268, Jan. 13, 1931. Republished Dec. 28.
Steel, Drill and tool. Ziv Steel & Wire Co. 505,267–8, Dec. 28; Serial No. 542,386, published Aug. 24, 1948.
Steel in the form of wire, strips, bars, etc. Carpenter Steel Company. 441,733, Dec. 28; Serial No. 524,776, published Aug. 31, 1948.
Strip steel, Plain cold-rolled; zinc-coated strip steel, nickel-coated strip steel, etc. Thomas Steel Company. 505,255, Dec. 28; Serial No. 539,814, published Sept. 7, 1948.
Welding rods, Flux-coated metallic. Air Reduction Sales Company. 505,291, Dec. 28; Serial No. 547,304, published Sept. 7, 1948.
Welding rods, Metallic, and arc welding electrodes. Ampco Metal, Inc. 426,798, Jan. 14, 1947. Corrected. O. G. Dec. 28.

CLASS 15

Gasoline, crude oil, illuminating oil, etc. H. F. Wilcox Oil & Gas Company. 248,772, renewed Oct. 30, 1948. O. G. Dec. 28.
Greases, Lubricating, and lubricating oils. New York Lubricating Oil Company. 253,425, Feb. 26, 1929. Republished Dec. 28.
Lubricant, Liquid. White & Bagley Company. 330,647, Dec. 10, 1935. Republished Dec. 28.
Lubricant oils. White & Bagley Company. 304,246, June 27, 1933. Republished Dec. 28.
Oil, Lubricating. Pure Oil Company. 389,465, Aug. 5, 1941. Republished Dec. 28.
Oil, Vapor, coal spray oil, fuel oil, and burner oil. Standard Oil Company. 422,658, Aug. 6, 1946. Republished Dec. 28.
Oils and greases, Lubricating. White & Bagley Company. 302,872, May 2, 1933. Republished Dec. 28.
Penetrants and lubricants. White & Bagley Company. 292,045, Mar. 1, 1932. Republished Dec. 28.

Paint and paint enamels and varnish, Ready mixed. Jewel Paint and Varnish Co. 325,591, July 2, 1935. Republished Dec. 28.

CLASS 16

Paint enamel finish, lacquer, and varnish. Arto Manufacturing Co. 441,707, Dec. 28; Serial No. 515,063, published Aug. 10, 1948.
Paint, Ready mixed, varnish stain, oil stain, iron paint, flat paint, etc. Jewel Paint & Varnish Co. 276,711, Oct. 28, 1930. Republished Dec. 28.
Paint, Semi-gloss enamel finish. Wadsworth-Howland Company. 229,066, June 21, 1927. Republished Dec. 28.
Paint, varnish, enamel, Mixed, etc. Wadsworth-Howland Company. 146,396, Sept. 6, 1921. Republished Dec. 28.
Paints, paint enamels, lacquers, varnishes, stains, and paint fillers. Sherwin-Williams Company. 312,965, May 15, 1934. Republished Dec. 28.
Paints, Ready-mixed and paste, varnishes, and paint enamels. Sundure Paint Corporation. 441,686, Dec. 28; Serial No. 499,444, published Jan. 7, 1947.
Paints, Ready mixed and paste, varnishes, paint enamels. Jewel Paint & Varnish Co. 388,270, June 17, 1941. Republished Dec. 28.
Preparation for the removal of paints, finishes, enamels, etc. Sherwin-Williams Company. 151,233, Jan. 24, 1922. Republished Dec. 28.
Remover, Paint and varnish. Jewel Paint & Varnish Co. 334,098, Apr. 21, 1936. Republished Dec. 28.
Wax polish for floors and other surfaces, Liquid. Seidlitz Paint & Varnish Co. 505,319, Dec. 28; Serial No. 536,161.
Wax preparation and polish. Colorglo Products. 324,756, May 28, 1935. Republished Dec. 28.

CLASS 17

Cigars. Wolf Brothers & Co. 286,948, Sept. 8, 1931. Republished Dec. 28.

CLASS 19

Accessories, replacement parts, and supplies for automotive vehicles. Economy Auto Stores, Inc. 395,756, June 9, 1942. Republished Dec. 28.
Heaters. Tropic-Aire, Incorporated. 237,236, Jan. 3, 1928. Republished Dec. 28.
Trucks, Metal. Market Forge Company. 104,622, June 8, 1915. Republished Dec. 28.

CLASS 21

Bar type machine. Electrically heated and operated. Doughboy Industries, Inc. 432,855, Sept. 16, 1947. Republished Dec. 28.
Battery chargers. Advance Electric and Relay Co. 505,277, Dec. 28; Serial No. 544,679, published Sept. 21, 1948.
Battery chargers. Marquette Manufacturing Co. Inc. 505,250, Dec. 28; Serial No. 538,939, published Sept. 21, 1948.
Brushes, Commutator. Henrite Products Co., Inc. 230,874, Aug. 9, 1927. Republished Dec. 28.
Buffet service sets consisting of electrical appliances. Chicago Flexible Shaft Company. 441,675, Dec. 28; Serial No. 488,196, published Sept. 21, 1948.
Casings for the electrical equipment of motors and similar power apparatus. Breeze Corporations, Inc. 441,673, Dec. 28; Serial No. 483,167, published Sept. 21, 1948.
Diesel electric plants. Winpower Mfg. Company. 505,213, Dec. 28; Serial No. 531,408, published Sept. 21, 1948.
Drives, Electro-mechanical, electric transmitters, electric lighting fixtures, etc. Singer Manufacturing Company. 441,680, Dec. 28; Serial No. 498,089, published Sept. 21, 1948.
Dry batteries. Burgess Battery Company. 505,177, Dec. 28; Serial No. 527,755, published Sept. 21, 1948.
Dry batteries and electric hand lamps, etc. Burgess Battery Company. 505,275, Dec. 28; Serial No. 544,520, published Sept. 21, 1948.
Electric fans. Robbins & Myers, Inc. 505,227, Dec. 28; Serial No. 533,778, published Sept. 21, 1948.
Electric lamps. Minuet Lamp Industries, Inc. 505,269, Dec. 28; Serial No. 542,627, published Sept. 21, 1948.
Electric ranges. Avco Manufacturing Corporation. 505,244, Dec. 28; Serial No. 536,989, published Sept. 21, 1948.
Electric switches. Arrow-Hart & Hegeman Electric Company. 505,220, Dec. 28; Serial No. 532,993, published Sept. 21, 1948.
Electrical appliances. Burroughs Adding Machine Company. 505,160, Dec. 28; Serial No. 523,146, published Sept. 21, 1948.
Electrical appliances. Burroughs Adding Machine Company. 505,174, Dec. 28; Serial No. 527,356, published Sept. 21, 1948.
Electrical fuses. Economy Fuse and Manufacturing Company. 180,677, Mar. 4, 1924. Corrected. O. G. Dec. 28.
Equipment and parts therefor, Electrical. J. H. Cannon. 418,856, Jan. 15, 1940. Republished Dec. 28.
Equipment and parts thereof, Electrical. J. H. Cannon. 425,506, Nov. 26, 1946. Republished Dec. 28.

Equipment and parts therefor, Electric. J. H. Cannon. 505,146, Dec. 28; Serial No. 516,460, published Sept. 21, 1948.
Fixtures, Electrical. W. P. Herman. 353,114, Dec. 28, 1938. Republished Dec. 28.
Generators, Electric, spark plugs, radio receiving sets, etc. Economy Auto Stores, Inc. 396,142, June 30, 1942. Republished Dec. 28.
Luminaires, Electric, and electric lighting fixtures. F. W. Wakefield Brass Company. 505,193, Dec. 28; Serial No. 529,510, published Sept. 21, 1948.
Metal-working apparatus, Electric. Thomson Electric Welding Company. 130,018, Mar. 23, 1920. Republished Dec. 28.
Motors, Electric. Farmco, Inc. 423,515, Sept. 3, 1946. Republished Dec. 28.
Neon sign equipment. Rafi Manufacturing Company. 505,186, Dec. 28; Serial No. 528,643, published Sept. 21, 1948.
Radio apparatus, supplies, and equipment. Bud Radio, Inc. 303,469, May 23, 1933. Republished Dec. 28.
Radio receivers, transmitters, electrical sound recording apparatus, etc. Airadio, Incorporated. 505,238, Dec. 28; Serial No. 534,859, published Sept. 21, 1948.
Radio receiving sets. H. G. Sherry. 441,725, Dec. 28; Serial No. 522,216, published Sept. 21, 1948.
Radio receiving sets, radio transmitting sets, etc. Aircraft and Mechanical Productions Limited. 437,901, Apr. 6, 1948. Corrected. O. G. Dec. 28.
Radio receiving sets, television receiving sets and electrical phonographs. Sonora Radio & Television Corporation. 505,165, Dec. 28; Serial No. 526,696, published Sept. 21, 1948.
Ranges, Electric, coal electric ranges, and gas electric ranges. Malleable Iron Range Company. 238,982, Feb. 21, 1928. Republished Dec. 28.
Storage batteries and parts thereof, Electric. Auto-Lite Battery Corporation. 505,272, Dec. 28; Serial No. 544,025, published Sept. 21, 1941.
Storage heaters, Displacement type automatic electric hot water. Losee Products Company. 505,189, Dec. 28; Serial No. 529,071, published Sept. 21, 1948.
Transmitters, Broadcast, quartz crystals, condenser microphones, modulation reactors, etc. Radio Corporation of America. 253,286, renewed Feb. 26, 1949. O. G. Dec. 28.
Wire strands equipped with terminals thereof, Insulated electric. Faraday Electric Corporation. 441,671, Dec. 28; Serial No. 476,605, published Feb. 3, 1948.

CLASS 22

Baits, Artificial. Creek Chub Bait Co. 242,113, May 15, 1928. Republished Dec. 28.
Ball rolling games having a board and balls. Bally Manufacturing Co. 505,218, Dec. 28; Serial No. 532,200, published Sept. 14, 1948.
Baseball bats and miniature baseball bats. Hillerich & Bradsby Co. 505,257, Dec. 28; Serial No. 540,072, published Sept. 14, 1948.
Board game played with marbles. T. R. Keith. 505,216, Dec. 28; Serial No. 531,917, published Sept. 7, 1948.
Boxes, Fishing-tackle. C. G. Conn Ltd. 505,194, Dec. 28; Serial No. 529,529, published Sept. 7, 1948.
Cribbage boards. Crib-Derby Co., The. 505,153, Dec. 28; Serial No. 517,836, published Sept. 7, 1948.
Dolls. Reister, Aline Margaret. 441,736, Dec. 28; Serial No. 525,679, published Sept. 7, 1948.
Equipment for exercising for health and beauty culture. M. MacGregor. 379,212, July 9, 1940. Republished Dec. 28.
Fish hooks and artificial fish lures. Wright & McGill Co. 505,204, Dec. 28; Serial No. 531,071, published Sept. 7, 1948.
Fishing lines. B. F. Gladding & Co. Inc. 505,171, Dec. 28; Serial No. 527,069, published Sept. 7, 1948.
Fishing rods. James Heddon's Sons. 505,230, Dec. 28; Serial No. 534,121, published Sept. 14, 1948.
Fishing rods and poles, fishing reels, etc. Horrocks-Ibbotson Company. 441,705, Dec. 28; Serial No. 513,418, published Sept. 7, 1948.
Floatable toys comprising various shapes. Eliscu & Company, Inc. 441,718, Dec. 28; Serial No. 518,074, published Sept. 7, 1948.
Game boards. G. S. Cox. 505,261, Dec. 28; Serial No. 541,408, published Sept. 7, 1948.
Knives, forks, spoons, ladles, tongs, tea balls, tea strainers, sifters, etc. Rogers, Lunt & Bowlen Company. 145,191, July 26, 1921. Republished Dec. 28.
Knives, forks, spoons, napkin rings, napkin markers, cups, bowls, etc. Franklin Silver Plate Company. 151,482, Feb. 7, 1922. Republished Dec. 28.
Knives, Sterling silver, forks, spoons, tongs, ladles, sifters, pins, etc. Rogers, Lunt & Bowlen Company. 88,364, Sept. 10, 1912. Republished Dec. 28.
Miniature toys. Dowst Manufacturing Company. 505,201, Dec. 28; Serial No. 530,477, published Sept. 7, 1948.
Playing cards. Kem Plastic Playing Cards, Inc. 505,214–15, Dec. 28; Serial Nos. 531,483–4, published Sept. 14, 1948.
Playing cards, noise makers. Cavendish Trading Corporation. 413,446, Apr. 24, 1945. Republished Dec. 28.
Railway cars and equipment, Model or miniature. Mantua Metal Products Company. 441,704, Dec. 28; Serial No. 513,323, published Sept. 7, 1948.
Savings banks, Portable. Automatic Recording Safe Company. 505,217, Dec. 28; Serial No. 532,198, published Aug. 31, 1948.
Strings for tennis, badminton and squash rackets. Armour and Company. 505,184, Dec. 28; Serial No. 528,415, published Sept. 7, 1948.
Tableware, Babies' and children's. Rogers, Lunt & Bowlen Company. 161,601, Nov. 14, 1922. Republished Dec. 28.
Tennis rackets. Sport Products, Inc. 505,203, Dec. 28; Serial No. 530,978, published Sept. 7, 1948.
Toy airplanes, darts, and flying projectiles. A. J. Sadony. 441,688, Dec. 28; Serial No. 502,720, published Sept. 7, 1948.
Toy coaster wagons. Acme Machine & Fabrication Co. 441,723, Dec. 28; Serial No. 521,232, published Sept. 7, 1948.
Toy metal building sets. Urbana Manufacturing Company. 441,692, Dec. 28; Serial No. 507,498, published Sept. 7, 1948.
Toy miniature gas engines. E. B. Laskin. 505,191, Dec. 28; Serial No. 529,393, published Sept. 7, 1948.
Toy telephones. Teksun, Inc. 441,712, Dec. 28; Serial No. 516,647, published Sept. 7, 1948.
Toys. Plastomic Products Co., Inc. 441,694, Dec. 28; Serial No. 508,243, published Sept. 7, 1948.

CLASS 23

Arbors, bits, center reamers, etc. Whitman & Barnes, Inc. 264,309, Nov. 26, 1929. Republished Dec. 28.
Brick machines. Lancaster Iron Works, Inc. 161,795, Nov. 21, 1922. Republished Dec. 28.
Clutch plates and discs. Accurate Parts Manufacturing Company. 298,002, Oct. 11, 1932. Republished Dec. 28.
Clutch plates and discs. Accurate Parts Manufacturing Company. 298,077, Oct. 11, 1932. Republished Dec. 28.
Clutches and parts thereof, clutch plates, coil springs, etc. Accurate Parts Manufacturing Company. 291,003, Jan. 26, 1932. Republished Dec. 28.
Fire extinguisher, Portable. Societe Anonyme "Stop Fire." 221,012, Nov. 23, 1926. Corrected. O. G. Dec. 28.
Jacks and wrench sets, Hydraulic. Blackhawk Mfg. Co. 352,718, Dec. 7, 1937. Republished Dec. 28.
Jacks, Automobile. Blackhawk Mfg. Co. 348,634, Aug. 3, 1937. Republished Dec. 28.
Knives, forks, spoons, ladles, tongs, tea balls, tea strainers, sifters, etc. Rogers, Lunt & Bowlen Company. 145,191, July 26, 1921. Republished Dec. 28.
Knives, Pocket. Colonial Knife Company, Inc. 378,715, June 18, 1940. Republished Dec. 28.
Knives, forks, spoons, tongs, ladles, sifters, pins, etc., Sterling silver. Rogers, Lunt & Bowlen Company. 88,364, Sept. 10, 1912. Republished Dec. 28.
Openers, Stationary bottle. Brown Manufacturing Company, Inc. 344,264, Mar. 16, 1937. Republished Dec. 28.
Sanding machines, Floor. W. P. Hilger. 398,941, Dec. 8, 1942. Republished Dec. 28.
Separators, Electric cream. Farmco, Inc. 423,516, Sept. 3, 1946. Republished Dec. 28.
Shovels, spades, and scoops. Wyoming Shovel Works. 96,768, Apr. 28, 1914. Republished Dec. 28.
Sugar-granulators, cube machines, driers, etc. Hersey Manufacturing Company. 65,724, Oct. 22, 1907. Republished Dec. 28.
Universal joints and change-speed transmissions. Mechanics Machine Company. 251,466, renewed Jan. 8, 1949. O. G. Dec. 28.
Wrenches. Diamond Calk Horse Shoe Company. 209,074, Feb. 16, 1926. Republished Dec. 28.
Wrenches. Herbrand Co. 266,707, Jan. 28, 1930. Republished Dec. 28.
Wrenches and parts thereof, adjustable hand wrenches, wrench sets and cases, etc. Diamond Calk Horse Shoe Company. 401,456, May 18, 1943. Republished Dec. 28.
Wrenches and twisting tool sets. Blackhawk Mfg. Co. 371,408, Sept. 26, 1939. Republished Dec. 28.
Wrenches and twisting tool sets. Blackhawk Mfg. Co. 416,406, Sept. 11, 1945. Republished Dec. 28.
Wrenches, Single end adjustable, double end adjustable wrenches, wrench parts, etc. Diamond Calk Horse Shoe Company. 401,457, May 18, 1943. Republished Dec. 28.

CLASS 24

Washing machines, Household type electric clothes. Farmco, Inc. 431,216, July 15, 1947. Republished Dec. 28.

CLASS 26

Balancing machines, Dynamic. Globe Tool & Engineering Company. 505,133, Dec. 28; Serial No. 500,076, published Sept. 21, 1948.
Calculating chart, Dairy feed. Kasco Mills, Inc. 505,167, Dec. 28; Serial No. 526,753, published Sept. 21, 1948.
Cameras. Metropolitan Industries, Inc. 505,315, Dec. 28; Serial No. 519,283.
Cameras and parts thereof, Photographic. Utility Manufacturing Company, Inc. 300,417, Jan. 17, 1933. Republished Dec. 28.
Cameras and projectors. Cameraflex Corp. 505,138, Dec. 28; Serial No. 509,915, published Sept. 21, 1948.

Cameras, photographic lenses and sensitized photograph films. H. T. Schiff. 364,464, Jan. 31, 1939. Republished Dec. 28.
Circuit control switches, Temperature responsive. T. O. Blomgren. 505,145, Dec. 28; Serial No. 514,933, published Sept. 21, 1948.
Control valve, Thermostatic. Taco Heaters, Incorporated. 441,726, Dec. 28; Serial No. 522,235, published Sept. 21, 1948.
Electrical equipment and parts therefor. J. H. Cannon. 425,507–8, Nov. 26, 1946. Republished Dec. 28.
Films, Slide and motion picture. M. W. La Rue. 505,136, Dec. 28; Serial No. 509,093, published Sept. 21, 1948.
Gauge for human feet, Adjustable measuring. Scholl Mfg. Co., Inc. 505,316, Dec. 28; Serial No. 530,258.
Height-measuring instruments operating by triangulation. W. N. Matthews Corporation. 505,172, Dec. 28; Serial No. 527,129, published Sept. 21, 1948.
Instruments for draftsmen. P. F. Boehm. 441,683–4, Dec. 28; Serial Nos. 498,750–1, published Sept. 21, 1948.
Level gauges and indicators, Liquid, parts and fittings thereof. Reliance Gauge Column Company. 505,195, Dec. 28; Serial No. 529,696, published Sept. 7, 1948.
Level indicators for tanks, Liquid. Scully Signal Company. 505,142, Dec. 28; Serial No. 511,507, published Sept. 21, 1948.
Machines for making blue-prints and other prints. Paragon-Revolute Corporation. 505,208, Dec. 28; Serial No. 531,239, published Sept. 21, 1948.
Machines for making blue-prints and other prints, and machines for drying such prints and photocopy prints. Paragon-Revolute Corporation. 505,207, Dec. 28; published Sept. 21, 1948.
Micrometers. E. J. Wells. 505,134, Dec. 28; Serial No. 504,954, published Sept. 21, 1948.
Optical frames. Marine Optical Mfg. Co. 505,158, Dec. 28; Serial No. 522,060, published Sept. 21, 1948.
Photographic papers, plates, films, etc., Sensitized. Gevaert Photo Producten, N. V. 441,711, Dec. 28; Serial No. 516,127, published Sept. 21, 1948.
Testing-bottles, Graduated, graduated flasks, and graduated laboratory-glassware. C. Wagner. 60,206, Jan. 29, 1907. Republished Dec. 28.
Weighing scales. Brearley Company. 433,340, Oct. 7, 1947. Republished Dec. 28.

CLASS 27

Clocks and watches. K. Plepla. 380,394, Aug. 20, 1940. Republished Dec. 28.
Watches. K. Plepla. 400,514, Mar. 16, 1943. Republished Dec. 28.

CLASS 28

Flat-ware and hollow-ware, Silver plated. International Silver Company. 505,251, Dec. 28; Serial No. 539,061, published Aug. 10, 1948.
Jewelers' findings. W. R. Cobb Company. 276,956, Nov. 4, 1930. Republished Dec. 28.
Jewelry. Kestenman Bros. Mfg. Co. 409,705, Oct. 17, 1944. Republished Dec. 28.
Jewelry. Uncas Manufacturing Company. 323,624, Apr. 23, 1935. Republished Dec. 28.
Jewelry and jewelers' findings. W. R. Cobb Company. 374,657, Jan. 23, 1940. Republished Dec. 28.
Key rings, chain fasteners, snap fasteners, etc. Uncas Manufacturing Company. 247,216, Sept. 25, 1928. Republished Dec. 28.
Knives, forks, spoons, ladles, tongs, tea balls, tea strainers, sifters, etc. Rogers, Lunt & Bowlen Company. 145,191, July 26, 1921. Republished Dec. 28.
Knives, forks, spoons, napkin rings, napkin markers, cups, bowls, etc. Franklin Silver Plate Co. 151,482, Feb. 7, 1922. Republished Dec. 28.
Knives, Sterling silver, forks, spoons, tongs, ladles, sifters, pins, etc. Rogers, Lunt & Bowlen Company. 88,364, Sept. 10, 1912. Republished Dec. 28.
Rings, Finger, bracelets, brooches, etc. Uncas Manufacturing Company. 398,037, Oct. 6, 1942. Republished Dec. 28.
Tableware, Baby's and children's. Rogers, Lunt & Bowlen Company. 161,601, Nov. 14, 1922. Republished Dec. 28.

CLASS 29

Applicator of the roller fountain type, Paint. Paxtrol Mfg. Co. 505,259, Dec. 28; Serial No. 540,703, published Sept. 7, 1948.
Brushes, Flat varnish. Whiting-Adams Company, Inc. 433,111, Sept. 23, 1947. Republished Dec. 28.
Brushes, Oval varnish. Whiting-Adams Company, Inc. 433,109–10, Sept. 23, 1948. Republished Dec. 28.
Brushes, Sash tool. Whiting-Adams Company, Inc. 433,107–8, Sept. 23, 1947. Republished Dec. 28.
Mitts and puffs, Powder. Merita, Inc. 441,740, Dec. 28; Serial No. 510,333.
Tooth brushes, Rotary. Kalla Corporation. 505,190, Dec. 28; Serial No. 529,391, published Aug. 24, 1948.

CLASS 30

Cooking and baking dishes and tableware. Cavendish Trading Corporation. 413,329, Apr. 17, 1945. Republished Dec. 28.

CLASS 31

Freezers, Ice-cream. Belknap Hardware & Manufacturing Company. 233,215, Sept. 27, 1927. Republished Dec. 28.
Oil filters. Pick Manufacturing Company. 379,933, July 30, 1940. Republished Dec. 28.
Refrigerators, Electric. Farmco, Inc. 422,089, July 2, 1946. Republished Dec. 28.

CLASS 32

Cabinets, Filing. Columbia Steel Equipment Company. 226,636, Apr. 12, 1927. Republished Dec. 28.
Chairs and davenports. C. F. Streit Mfg. Co. 72,021, Dec. 29, 1908. Republished Dec. 28.
Dining room, bedroom and living room furniture. John Widdicomb Co., Inc. 376,667, Apr. 2, 1940. Republished Dec. 28.

CLASS 34

Flash-lights and lanterns. H. T. Schiff. 365,951, Mar. 21, 1939. Republished Dec. 28.
Heaters, Gas water. Farmco, Inc. 422,211, July 9, 1946. Republished Dec. 28.
Oil lamp stoves. Consolidated Iron-Steel Manufacturing Company. 163,039–40, Jan. 2, 1923. Republished Dec. 28.

CLASS 35

Belting, air brake hose, air drill hose, etc. Quaker Rubber Corporation. 394,790, Apr. 28, 1942. Republished Dec. 28.
Belting, Fabric. Hettrick Manufacturing Company. 505,206, Dec. 28; Serial No. 531,129, published Sept. 21, 1948.
Belts, Sewing-machine. Boye Needle Company. 505,254, Dec. 28; Serial No. 539,804, published Sept. 21, 1948.
Boxes, Packing for stuffing, etc. Greene, Tweed & Co. 253,531–2, renewed Feb. 26, 1949. O. G. Dec. 28.
Dust guards and wedges, Leather fibre. George O. Jenkins Company. 505,164, Dec. 28; Serial No. 526,667, published Sept. 21, 1948.
Hose, Fire. Liberty Fire Apparatus Co., Inc. 441,699, Dec. 28; Serial No. 512,067, published Sept. 21, 1948.
Hose, Garden. Standard Oil Company. 417,957, Nov. 20, 1945. Republished Dec. 28.
Packing, Pliable semi-metallic industrial. Industrial Seals Corporation. 505,266, Dec. 28; Serial No. 542,318, published Sept. 21, 1948.
Packings, Asbestos, duck, fibrous, leather, rubber, and metal. C. H. Zimmerman. 441,738, Dec. 28; Serial No. 526,180, published Sept. 14, 1948.
Piston rings and expanders therefor. McQuay-Norris Manufacturing Company. 434,434, Nov. 18, 1947. Republished Dec. 28.
Spud washers for toilet bowls, Non-metallic. Scully Rubber Mfg. Co. 505,322, Dec. 28; Serial No. 544,119.
Tires for vehicles, Pneumatic. United States Rubber Company. 505,198, Dec. 28; Serial No. 529,734, published Sept. 21, 1948.
Tires, Pneumatic rubber, pneumatic tires casings, and tubes. Pep Boys, Manny, Moe & Jack. 505,236, Dec. 28; Serial No. 534,666, published Sept. 14, 1948.
Tubing, Reenforced, made of synthetic rubber. Winkenweder & Ladd, Inc. 505,135, Dec. 28; Serial No. 507,952, published Sept. 21, 1948.
Washers, Nonmetallic, nonmetallic faucet cushions, etc. Arrowhead Rubber Company. 505,141, Dec. 28; Serial No. 510,994, published Sept. 21, 1948.

CLASS 36

Adjusters or tuners for violins. Simson & Frey, Inc. 227,334, May 3, 1927. Republished Dec. 28.
Music stands. Simson & Frey, Inc. 191,987, Nov. 25, 1924. Republished Dec. 28.
Reeds, Wooden. Simson & Frey, Inc. 164,720, Feb. 27, 1923. Republished Dec. 28.
Strings for violins and similar instruments. Simson & Frey, Inc. 170,458, July 17, 1923. Republished Dec. 28.
Strings for violins and similar musical instruments. Simson & Frey, Inc. 305,485, Aug. 15, 1933. Republished Dec. 28.
Strings for violins, violas, cellos, etc. Scherl & Roth, Inc. 400,526, Mar. 16, 1943. Republished Dec. 28.
Violin and cello strings. Simson & Frey, Inc. 229,228, June 21, 1927. Republished Dec. 28.
Violin, viola, cello, etc., strings. Scherl & Roth, Inc. 416,433, Sept. 11, 1945. Republished Dec. 28.

CLASS 37

Bond-papers, ledger-papers, book-papers, and linen writing papers. Neenah Paper Company. 109,841, Apr. 18, 1916. Republished Dec. 28.
Paper, Bond and ledger. Neenah Paper Company. 112,540, Sept. 12, 1916. Republished Dec. 28.
Paper for wrapping heavy articles, Reinforced. Mosinee Paper Mills Company. 288,120, Oct. 20, 1931. Republished Dec. 28.
Paper, Ledger, writing, and bond. Neenah Paper Company. 149,462, Dec. 13, 1921. Republished Dec. 28.
Paper products. Cavendish Trading Corporation. 408,294, Aug. 1, 1944. Republished Dec. 28.
Paper, Wrapping. Mosinee Paper Mills Company. 410,633, Dec. 5, 1944. Republished Dec. 28.

Paper, Wrapping. Wausau Sulphate Fibre Co. 108,877, Feb. 29, 1916. Republished Dec. 28.
Pencils and school tablets and toilet paper. Kansas City Wholesale Grocery Co. 222,148, Dec. 21, 1926. Republished Dec. 28.
Wrappers, Mailing. Oak Press. 229,694, renewed July 5, 1947. O. G. Dec. 28.

CLASS 38

Magazine, Periodical. McKelvie Publishing Company. 226,681, renewed Apr. 19, 1947. O. G. Dec. 28.
Periodicals relating to the trade. Shoe and Leather Reporter Co. 290,791, Jan. 19, 1932. Republished Dec. 28.
Prints, Art, and publications in book and calendar form. Brown & Bigelow. 430,724, June 24, 1947. Republished Dec. 28.
Publication issued annually, Trade. Jay Emanuel Publications, Inc. 380,043, Aug. 6, 1940. Republished Dec. 28.

CLASS 39

Bands for caps and hats, Leather. Brizel Leather Corporation. 505,276, Dec. 28; Serial No. 544,535, published Sept. 7, 1948.
Belts, Apparel, suspenders, garters, etc. Aristocrat Leather Products, Inc. 505,240, Dec. 28; Serial No. 534,974, published Sept. 7, 1948.
Bibs, aprons, and bib-aprons, Children's. G. E. McKewen. 505,143, Dec. 28; Serial No. 513,187, published Sept. 7, 1948.
Boots and shoes. Frank Brothers. 71,292, re-renewed Nov. 17, 1948. O. G. Dec. 28.
Boots and shoes. Frank Brothers. 71,578, re-renewed Dec. 1, 1948. O. G. Dec. 28.
Boots, Rubber and leather. Mishawaka Rubber and Woolen Manufacturing Company. 505,199, Dec. 28; Serial No. 530,101, published Sept. 7, 1948.
Boots, shoes, and slippers. Young's Speedy Shoes, Inc. 505,179, Dec. 28; Serial No. 527,983, published Sept. 21, 1948.
Bow-ties, neckties, outer shirts, etc. S. Sherman. 505,185, Dec. 28; Serial No. 528,588, published Sept. 14, 1948.
Brassières. G. M. Poix. 65,835, Oct. 22, 1907. Republished Dec. 28.
Brassières, girdles, and combination brassières and corsets. Fairy Brassiere Co., Inc. 277,010, Nov. 4, 1930. Republished Dec. 28.
Clothing, Boys' and men's. Shirtcraft Company, Inc. 239,603–4, Mar. 6, 1928. Republished Dec. 28.
Clothing, Men's. S. Gerson. 328,552, Oct. 1, 1935. Republished Dec. 28.
Clothing, Men's. S. Gerson. 328,559, Oct. 1, 1935. Republished Dec. 28.
Clothing, Women's and misses'. L. Levine and Sons. 137,306, Nov. 23, 1920. Republished Dec. 28.
Coats and jackets, Ladies' and misses'. I. Marks & Son, Inc. 505,280, Dec. 28; Serial No. 545,379, published Sept. 7, 1948.
Coats, suits, jackets, etc., Ladies' and misses'. J. Blau. 505,265, Dec. 28; Serial No. 541,997, published Aug. 17, 1948.
Coats, suits, jackets, etc., Ladies' and misses'. M. & S. Solomon. 409,565, Oct. 10, 1944. Republished Dec. 28.
Coats, suits, jackets, etc., Ladies' and misses'. M. & S. Solomon. 415,551, Aug. 7, 1945. Republished Dec. 28.
Corsets. Camlin Corset Co. Inc. 382,007, Oct. 15, 1940. Republished Dec. 28.
Dresses, house coats, sport dresses and play suits, Infants', misses', and ladies'. Kay Karen, Inc. 375,231, Feb. 13, 1940. Republished Dec. 28.
Dungarees and pants, Western style. Blue Bell, Inc. 441,727, Dec. 28; Serial No. 522,610, published Dec. 16, 1947.
Gloves. Shapiro Glove Co., Inc. 360,475, Sept. 20, 1938. Republished Dec. 28.
Gloves and mittens. Western Hosiery Company. 175,810, Nov. 13, 1923. Republished Dec. 28.
Hat bodies. Henry Pollak, Inc. 505,132, Dec. 28; Serial No. 499,658, published July 20, 1948.
Hat bodies, Straw and felt. Henry Pollak, Inc. 505,161, Dec. 28; Serial No. 524,326, published July 20, 1948.
Hats for men and women. Societe a Responsabilite Limitee: Societe Chapeliere de Beauvais. 441,701, Dec. 28; Serial No. 512,715, published Sept. 7, 1948.
Hats, Ladies'. Greenberg-Fisch Hat Co. 441,732, Dec. 28; Serial No. 524,454, published Sept. 7, 1948.
Hats, Men's. Byer-Roinich Company. 505,283, Dec. 28; Serial No. 546,280, published Sept. 21, 1948.
Hats, Men's, and caps and hats for women. Hat Corporation of America. 505,271, Dec. 28; Serial No. 543,922, published Sept. 7, 1948.
Hats, Men's, and caps and hats for women. Hat Corporation of America. 505,279, Dec. 28; Serial No. 544,733, published Sept. 7, 1948.
Hats, Men's and women's. Stylepark Hats, Inc. 505,281, Dec. 28; Serial No. 545,405, published Sept. 7, 1948.
Hosiery. Boonton Full Fashion Hosiery Mills. 505,212, Dec. 28; Serial No. 531,295, published Sept. 7, 1948.
Hosiery. Burgio Bros., Inc. 505,245, Dec. 28; Serial No. 537,141, published Sept. 7, 1948.
Hosiery. Cooper, Wells & Co. 505,222, Dec. 28; Serial No. 533,273, published Sept. 7, 1948.
Hosiery. Prim-Era Hosiery Mills, Inc. 343,593, Feb. 23, 1937. Republished Dec. 28.
Hosiery. Prim-Era Hosiery Mills, Inc. 371,502, Sept. 26, 1939. Republished Dec. 28.
Hosiery. Prim-Era Hosiery Mills, Inc. 376,344, Mar. 19, 1940. Republished Dec. 28.
Hosiery. Sterling Stores Co., Inc. 375,184, Feb. 13, 1940. Republished Dec. 28.
Hosiery. United Hosiery Mills Corporation. 505,225, Dec. 28; Serial No. 533,648, published Sept. 7, 1948.
Hosiery. Van Raalte Company, Inc. 278,045, Dec. 2, 1930. Republished Dec. 28.
Hosiery. Van Raalte Company, Inc. 384,346, Jan. 14, 1941. Republished Dec. 28.
Hosiery and underwear. Gus Edelstein Bro. & Co. 264,756, Dec. 3, 1929. Republished Dec. 28.
Hosiery, blouses, sunsuits, overalls, Men's, women's, children's, and infants', etc. United Hosiery Mills Corporation. 505,224, Dec. 28; Serial No. 533,647, published Sept. 7, 1948.
Hosiery, Ladies'. P. L. Cook. 194,462, Jan. 27, 1925. Republished Dec. 28.
Hosiery, Women's. Manchester Hosiery Mills. 505,182, Dec. 28; Serial No. 528,295, published Sept. 7, 1948.
House slippers, Women's, men's, and boys'. L. B. Evans Son Co. 505,235, Dec. 28; Serial No. 534,618, published Sept. 21, 1948.
Jackets, coats, blouses, and shirts. John Rissman & Son. 505,173, Dec. 28; Serial No. 527,340, published Sept. 21, 1948.
Knit goods. Eagle Knitting Mills. 225,455, Mar. 22, 1927. Republished Dec. 28.
Logger shoes, Leather. Bone Dry Shoe Mfg. Co. 505,228, Dec. 28; Serial No. 533,840, published Sept. 7, 1948.
Lounging robes, Men's and women's. Safir Plan, Inc. 505,226, Dec. 28; Serial No. 533,686, published Sept. 7, 1948.
Mackinaws and sportswear, Men's and boys'. Fox Knapp Mfg. Co. 361,590, Oct. 25, 1938. Republished Dec. 28.
Neckties. J. W. Less. 441,724, Dec. 28; Serial No. 521,526, published Sept. 21, 1948.
Neckties. Stern, Merritt Co., Inc. 173,875–6, Oct. 2, 1923. Republished Dec. 28.
Neckties. Stern, Merritt Co., Inc. 314,316, June 26, 1934. Republished Dec. 28.
Neckties. Stern, Merritt Co., Inc. 326,131, July 16, 1935. Republished Dec. 28.
Neckties. Stern, Merritt Co., Inc. 415,923, Aug. 21, 1945. Republished Dec. 28.
Neckties, Men's. M. Gelles. 251,076, renewed Dec. 25, 1948. O. G. Dec. 28.
Pajamas, pajama coats, beach coats, etc., Women's and children's. Kaylon Incorporated. 505,243, Dec. 28, 1948. Serial No. 536,532, published Sept. 7, 1948.
Panties, foundation garments, bathing suits, etc. Hollywood Silk Mills. 367,221, May 9, 1939. Republished Dec. 28.
Play and school togs, Children's, boys', youths', girls', and misses'. Winner, Inc. 441,720, Dec. 28; Serial No. 519,368, published Sept. 21, 1948.
Robes, Beach, bath gowns, and bath robes. Joshua Hoyle & Sons, Ltd. Inc. 228,173, renewed May 24, 1947. O. G. Dec. 28.
Rubbers and overshoes. Mishawaka Rubber and Woolen Manufacturing Company. 505,200, Dec. 28; Serial No. 530,104, published Sept. 21, 1948.
Shirts, vests, union suits, etc., Infants' and children's. Earnshaw Knitting Company. 357,492–3, June 7, 1938. Republished Dec. 28.
Shirts, Men's dress, negligee, and work, etc. Charles Stores Company, Inc. 366,011, Mar. 28, 1939. Republished Dec. 28.
Shirts, Men's negligee and dress, and pajamas. Enro Shirt Company. 338,382, Sept. 1, 1936. Republished Dec. 28.
Shirts, Men's negligee and dress, and pajamas. Enro Shirt Company. 329,482, Oct. 29, 1935. Republished Dec. 28.
Shirts, Men's outer. Jarod Manufacturing Corp. 441,713, Dec. 28; Serial No. 517,137, published Sept. 21, 1948.
Shirts, Negligee and dress, underwear, and pajamas. Enro Shirt Company. 307,642, Oct. 31, 1933. Republished Dec. 28.
Shoes. Cannon Shoe Company. 441,708, Dec. 28; Serial No. 515,069, published Sept. 21, 1948.
Shoes. Coward Shoe, Inc. 505,188, Dec. 28; Serial No. 528,855, published Sept. 7, 1948.
Shoes. Daly Bros. Shoe Co., Inc. 441,681, Dec. 28; Serial No. 498,120, published Sept. 21, 1948.
Shoes. Riedell Shoes, Inc. 505,196, Dec. 28; Serial No. 529,706, published Sept. 21, 1948.
Shoes. A. Sandler Co. 441,672, Dec. 28; Serial No. 480,679, published Jan. 6, 1948.
Shoes, Children's. Schiff Company. 505,140, Dec. 28; Serial No. 510,280, published Aug. 31, 1948.
Shoes and hosiery, Women's and misses'. Charles Stores Company, Inc. 355,380, Mar. 15, 1938. Republished Dec. 28.
Shoes, Ladies'. Palter De Liso, Inc. 441,735, Dec. 28; Serial No. 525,198, published Sept. 21, 1948.
Shoes, Leather. J. Edwards & Co. 505,159, Dec. 28; Serial No. 522,731, published Sept. 7, 1948.
Skirts, suits, dresses, Women's and misses' outer, etc. Alexander H. White, Inc. 364,087, Jan. 17, 1939. Republished Dec. 28.
Sportswear, Knitted. Select Sportswear, Inc. 505,231, Dec. 28; Serial No. 534,377, published Sept. 7, 1948.

Sportswear, Women's and children's knitted. Caltex Sportswear Co. of California, Inc. 433,592, Oct. 21, 1947. Republished Dec. 28.
Stockings. Wayne Knitting Mills. 505,210, Dec. 28; Serial No. 531,269, published Sept. 7, 1948.
Suits and coats, Women's. Famous Lady. 505,278, Dec. 28; Serial No. 544,716, published Sept. 7, 1948.
Suits, coats, vests, Men's and young men's, etc. Weinberg Corporation. 505,211, Dec. 28; Serial No. 531,271, published Sept. 21, 1948.
Suits, jackets, and skirts, Ladies'. Jack Baker Sportswear Co. Inc. 428,190, Mar. 11, 1947. Republished Dec. 28.
Suits, Men's and boys'. S. Gerson. 338,508, Sept. 8, 1936. Republished Dec. 28.
Suits, Men's and young men's. Buddyserge Company. 379,444, July 9, 1940. Republished Dec. 28.
Suits, Men's outer. Marshall Field & Company. 505,223, Dec. 28; Serial No. 533,477, published Sept. 21, 1948.
Suits, trousers and sportswear, Men's and boys'. Dan-Mar Trouser Company. 441,703, Dec. 28; Serial No. 513,032, published Sept. 7, 1948.
Swim suits for women, boys and men. Hollywood Silk Mills. 420,740, Apr. 30, 1946. Republished Dec. 28.
Topcoats and overcoats, Men's. Frank Bros.-Neptune Mfg. Co. 505,157, Dec. 28; Serial No. 521,125, published Sept. 21, 1948.
Topcoats, overcoats, and suits, Men's. Jacob Siegel Company. 322,916, Mar. 26, 1935. Republished Dec. 28.
Top lifts and heels, Leather. H. Freedman. 505,137, Dec. 28; Serial No. 509,629, published Sept. 7, 1948.
Trousers, Men's. Biltwell Company, Inc. 505,241, Dec. 28; Serial No. 534,984, published Sept. 7, 1948.
Undergarments. Atlas Underwear Company. 386,915, Apr. 29, 1941. Republished Dec. 28.
Undergarments and underwear. Atlas Underwear Company. 390,587, Sept. 30, 1941. Republished Dec. 28.
Undershirts. Earnshaw Knitting Company. 85,801, Mar. 19, 1912. Republished Dec. 28.
Underwear and undergarments and knitted undergarments, Children's and infants'. Earnshaw Knitting Company. 257,158, May 28, 1929. Republished Dec. 28.
Underwear and undergarments, Children's and infants'. Earnshaw Knitting Company. 262,156, Oct. 1, 1929. Republished Dec. 28.
Underwear and undergarments, Children's and infants'. Earnshaw Knitting Company. 262,242, Oct. 1, 1929. Republished Dec. 28.
Underwear and undergarments, Children's and infants'. Earnshaw Knitting Company. 291,776, Feb. 23, 1932. Republished Dec. 28.
Underwear, Infants' and children's knitted. Earnshaw Knitting Company. 228,691, June 7, 1927. Republished Dec. 28.
Underwear, Ladies', misses', and children's textile. A. Radinsky. 248,782, renewed Oct. 30, 1948. O. G. Dec. 28.
Underwear, pajamas, and negligees, Ladies' knitted and textile. Landau-Schneider Co., Inc. 252,268, Jan. 29, 1929. Republished Dec. 28.
Underwear, Women's rayon. Universal Rayon Underwear Corporation. 278,209, Dec. 9, 1930. Republished Dec. 28.
Union suits, Men's and women's knitted and woven, vests, drawers, etc. Vassar Company. 433,478, Oct. 14, 1947. Republished Dec. 28.
Work clothes. Salem Company Incorporated. 505,162, Dec. 28; Serial No. 525,496, published Sept. 7, 1948.

CLASS 40

Knives, forks, spoons, ladles, tongs, tea balls, tea strainers, sifters, etc. Rogers, Lunt & Bowlen Company. 145,191, July 26, 1921. Republished Dec. 28.
Knives, Sterling silver, forks, spoons, tongs, ladles, sifters, pins, etc. Rogers, Lunt & Bowlen Company. 88,364, Sept. 10, 1912. Repplished Dec. 28.

CLASS 42

Cotton duck in the piece. William L. Barrell Co. of New York, Inc. 246,969, Sept. 18, 1928. Republished Dec. 28.
Fabrics, Children's and infants'. Earnshaw Knitting Company. 257,346, June 4, 1929. Republished Dec. 28.
Lace curtains and curtain lace in piece goods. Quaker Lace Company. 245,295, renewed Aug. 7, 1948. O. G. Dec. 28.
Piece goods. Henrose Co. Inc. 422,625, Aug. 6, 1946. Republished Dec. 28.
Piece goods. Julius N. Werk Fabrics, Inc. 505,152, Dec. 28; Serial No. 517,538, published Sept. 7, 1948.
Piece goods made of cotton. Roosen Silks Limited. 441,687, Dec. 28; Serial No. 502,334, published June 3, 1947.
Piece goods, Woolen, cotton piece goods, wool blankets, etc. Joshua Hoyle & Sons, Ltd. Inc. 227,723, renewed May 17, 1947. O. G. Dec. 28.
Sheets and pillow cases. L. & N. Sultan Mfg. Corp. 505,321, Dec. 28; Serial No. 542,368.
Sheets, Crib. I. B. Kleinert Rubber Company, Inc. 505,314, Dec. 28; Serial No. 518,297.
Textile fabrics. Shain & Company, Inc. 441,741, Dec. 28; Serial No. 521,832.
Textile fabrics in the piece. Cavendish Trading Corporation. 414,026, May 22, 1945. Republished Dec. 28.
Textile fabrics in the piece. F. P. Maupal Dyeing Company, Inc. 409,689, Oct. 17, 1944. Republished Dec. 28.
Textile fabrics in the piece. Reynolds Metals Company. 441,678, Dec. 28; Serial No. 495,097, published Mar. 9, 1948.
Textile fabrics in the piece. Wheatley Fabrics, Inc. 505,313, Dec. 28; Serial No. 516,104.
Textile fabrics, Water-proofed. York Manufacturing Company. 245,467, renewed Aug. 14, 1948. O. G. Dec. 28.
Waterproof cotton duck in the piece. Cooley Finishing Company. 290,391, Jan. 5, 1932. Republished Dec. 28.
Waterproof cotton duck or similar awning fabric. Cooley Finishing Company. 269,076, Mar. 25, 1930. Republished Dec. 28.

CLASS 43

Cotton, linen, silk, etc. Dollfus-Mieg & Cie. Société Anonyme. 69,438, re-renewed June 16, 1948. O. G. Dec. 28.
Thread, Cotton. General Thread Mills, Inc. 431,286, July 15, 1947. Republished Dec. 28.
Yarns and threads made of cotton, silk, wool, etc. Dollfus-Mieg & Cie. Société Anonyme. 70,827, re-renewed Oct. 6, 1948. O. G. Dec. 28.
Yarns and threads made of cotton, wool, silk, etc. Dollfus-Mieg & Cie. Société Anonyme. 70,360–1, re-renewed Aug. 25, 1948. O. G. Dec. 28.
Yarns, Fingering. E. B. Dane and A. J. Meserve. 196,816, Mar. 31, 1925. Republished Dec. 28.
Yarns, Fingering. E. B. Dane and A. J. Meserve. 196,818, Mar. 31, 1925. Republished Dec. 28.

CLASS 44

Arch supports. Scholl Mfg. Co., Inc. 393,311. Corrected. Feb. 3, 1942. O. G. Dec. 28.
Porcelain teeth. Dentists' Supply Company of New York. 70,927, renewed Oct. 20, 1948. O. G. Dec. 28.
Reflectors for therapeutic purposes, Light and heat. Adjustable Fixture Co. 253,671, renewed Mar. 5, 1949. O. G. Dec. 28.
Sanitary napkins. S. H. Kress and Company. 251,482, renewed Jan. 8, 1949. O. G. Dec. 28.

CLASS 45

Beverage and syrup, Non-alcoholic carbonated. Nussbaum Bros. 112,798, Sept. 26, 1916. Republished Dec. 28.
Beverages, Carbonated nonalcoholic, noncereal maltless. Prospect Hill Bottling Co. 265,813, Jan. 7, 1930. Republished Dec. 28.

CLASS 46

Apples, Fresh. Roche Fruit & Produce Company. 231,635, Aug. 23, 1927. Republished Dec. 28.
Bread, wafers. W. R. Thomas. 254,213, renewed Mar. 12, 1949. O. G. Dec. 28.
Candy. Nunnally Company. 195,406, Feb. 24, 1925. Republished Dec. 28.
Candy. Nunnally Company. 199,591, June 16, 1925. Republished Dec. 28.
Candy. Schutter Johnson Candy Company, Inc. 287,163, Sept. 15, 1931. Republished Dec. 28.
Candy. Schutter Johnson Candy Company Inc. 301,835, Mar. 14, 1933. Republished Dec. 28.
Candy, All kinds of. Nunnally Company. 287,172, Sept. 15, 1931. Republished Dec. 28.
Candy bars. King Cole Company. 408,657, Aug. 22, 1944. Republished Dec. 28.
Candy bars, peanut brittle, and candy kisses. King Cole Company. 420,581, Apr. 23, 1946. Republished Dec. 28.
Candy, Licorice. National Licorice Company. 253,063, Feb. 19, 1929. Republished Dec. 28.
Candy, Licorice. National Licorice Company. 307,065, Oct. 10, 1933. Republished Dec. 28.
Canned and bottled vegetables, fruits, fish, etc. Seeman Brothers. 33,313, Aug. 8, 1899. Republished Dec. 28.
Canned, fresh, salt, smoked, and kippered fish. San Juan Fishing & Packing Company. 256,325, May 14, 1929. Republished Dec. 28.
Canned fruits. H. S. Groat & Company. 238,208, renewed Jan. 31, 1948. O. G. Dec. 28.
Canned fruits and canned vegetables. Sunny South Packing Co. 185,178, June 10, 1924. Republished Dec. 28.
Canned fruits, canned vegetables, canned fish, etc. Haas, Baruch & Co. 153,740, Mar. 28, 1922. Republished Dec. 28.
Canned fruits, dried fruits, canned vegetables, canned salmon, etc. Kansas City Wholesale Grocery Co. 74,046, June 15, 1909. Republished Dec. 28.
Canned goods. Roundup Grocery Company. 221,150, Nov. 23, 1926. Republished Dec. 28.
Canned grapefruit juice and grapefruit sections. Sunny South Packing Co. 377,805, May 14, 1940. Republished Dec. 28.
Canned or preserved fruits and vegetables. E. V. Stockham. 34,777, June 12, 1900. Republished Dec. 28.
Canned salads. Ivanhoe Foods, Inc. 346,186, May 18, 1937. Republished Dec. 28.
Canned salads. Ivanhoe Foods, Inc. 346,227, May 18, 1937. Republished Dec. 28.
Canned salmon. San Juan Fishing & Packing Co. 238,613, Feb. 14, 1928. Republished Dec. 28.

Canned sardines. Booth Fisheries Sardine Co. 124,437, Feb. 18, 1919. Republished Dec. 28.
Canned sardines. Booth Fisheries Sardine Company. 142,938, May 24, 1921. Republished Dec. 28.
Canned tamales. Gebhardt Chili Powder Company. 370,069, Aug. 15, 1939. Republished Dec. 28.
Canned vegetables, canned fish, canned pumpkin, etc. C. G. Meaker Co. Inc. 374,555, Jan. 16, 1940. Republished Dec. 28.
Canned vegetables, canned fruit, dried fruit, etc. Kansas City Wholesale Grocery Co. 225,711, Mar. 22, 1927. Republished Dec. 28.
Canned vegetables, canned fruits, canned salmon, etc. John Blaul's Sons Co. 88,998, Nov. 5, 1912. Republished Dec. 28.
Canned vegetables, canned fruits, etc. Kansas City Wholesale Grocery Co. 74,505, July 20, 1909. Republished Dec. 28.
Cereal product. Fisher Flouring Mills Company. 429,543, May 6, 1947. Republished Dec. 28.
Cheese. S. A. Egidio Galbani. 270,321, May 6, 1930. Republished Dec. 28.
Cheese. S. A. Egidio Galbani. 356,936–7, May 17, 1938. Republished Dec. 28.
Cheese. S. A. Egidio Galbani. 357,538, June 7, 1938. Republished Dec. 28.
Cheese. Edw. Wittwer & Bro. 102,236, Jan. 26, 1915. Republished Dec. 28.
Cheeses. E. Galbani. 134,502, Sept. 7, 1920. Republished Dec. 28.
Chocolates and bonbons. Nunnally Company. 208,186, Jan. 19, 1926. Republished Dec. 28.
Cocoa, Prepared, cocoa butter, cocoa powder, etc. J. B. Van Heusden. 270,184, Apr. 29, 1930. Republished Dec. 28.
Codfish, Salted. Gorton-Pew Fisheries Company, Ltd. 426,636, Jan. 7, 1947. Republished Dec. 28.
Coffee. Livierato Bros. 35,358, Oct. 30, 1900. Republished Dec. 28.
Coffee. Natchitoches Coffee & Syrup Co., Inc. 434,321, Nov. 18, 1947. Republished Dec. 28.
Confectionery, particularly chocolates. Williards Chocolates, Limited. 225,640, renewed Mar. 22, 1947. O. G. Dec. 28.
Corn solubles, Distillers' dried. Schenley Distilleries, Inc. 396,686, July 28, 1942. Republished Dec. 28.
Crackers. Bright Biscuit Company, Inc. 350,056, Sept. 14, 1937. Republished Dec. 28.
Crackers. Bright Biscuit Company, Inc. 363,128, Dec. 13, 1938. Republished Dec. 28.
Crackers. Bright Biscuit Company, Inc. 363,501, Dec. 27, 1938. Republished Dec. 28.
Crackers and cakes. Bright Biscuit Company. 283,328, May 26, 1931. Republished Dec. 28.
Crackers, Soda. Bright Biscuit Company, Inc. 364,320. Jan. 24, 1939. Republished Dec. 28.
Cultures for making starter in the manufacture of buttermilk, butter, etc. Dairy Laboratories. 191,831, Nov. 18, 1924. Republished Dec. 28.
Dates, Fresh. Covalda Date Company. 432,263, Aug. 26, 1947. Republished Dec. 28.
Feed supplement. Poultry. Gorton-Pew Fisheries Company, Ltd. 433,861, Nov. 4, 1947. Republished Dec. 28.
Fish, Fresh water frozen, salt water frozen fish, and frozen shell fish. Booth Fisheries Corporation. 364,953. Feb. 21, 1939. Republished Dec. 28.
Flour, Wheat. Burrus Mill & Elevator Company. 50,479, Mar. 20, 1906. Republished Dec. 28.
Flour, Wheat. Burrus Mill & Elevator Company. 55,938, Aug. 21, 1906. Republished Dec. 28.
Flour, Wheat. Gallatin Valley Milling Company. 148,034–6, Nov. 8, 1921. Republished Dec. 28.
Flour, Wheat. Gallatin Valley Milling Company. 148,039–42, Nov. 8, 1921. Republished Dec. 28.
Flour, Wheat. Gallatin Valley Milling Company. 148,654, Nov. 22, 1921. Republished Dec. 28.
Flour, Wheat. Gallatin Valley Milling Co. 282,089, Apr. 7, 1931. Republished Dec. 28.
Flour, Wheat. Gallatin Valley Milling Co. 282,970. May 12, 1931. Republished Dec. 28.
Flour, Wheat. Koenigsmark Mill Company. 104,120. May 4, 1915. Republished Dec. 28.
Flour, Wheat. Midland Flour Milling Co. 275,121, Sept. 16, 1930. Republished Dec. 28.
Flour, Wheat. Midland Flour Milling Co. 360,380, Sept. 13, 1938. Republished Dec. 28.
Flour, Wheat. Midland Flour Milling Co. 361,996, Nov. 8, 1938. Republished Dec. 28.
Flour, Wheat. Midland Milling Company. 119,101, Oct. 23, 1917. Republished Dec. 28.
Flour, Wheat. Midland Milling Company. 119,462, Nov. 20, 1917. Republished Dec. 28.
Flour, Wheat. Midland Milling Company. 119,748, Dec. 11, 1917. Republished Dec. 28.
Flour, Wheat. New Century Milling Co. 63,316, June 11, 1907. Republished Dec. 28.
Flour, Wheat. E. J. Sherwood. 124,475, Feb. 18, 1919. Republished Dec. 28.
Flour, Wheat. Texas Star Flour Mills. 224,122, Feb. 15, 1927. Republished Dec. 28.
Flour, Wheat. Texas Star Flour Mills. 228,508, June 7, 1927. Republished Dec. 28.
Flour, Wheat. Texas Star Flour Mills. 231,399, Aug. 16, 1927. Republished Dec. 28.
Flour, Wheat. Texas Star Flour Mills. 231,507, Aug. 23, 1927. Republished Dec. 28.
Flour, Wheat, bread, self-rising flour, etc. Midland Flour Milling Co. 272,585, July 8, 1930. Republished Dec. 28.
Flour, Wheat, corn products. Texas Star Flour Mills. 224,665, Mar. 1, 1927. Republished Dec. 28.
Flour, Wheat, graham flour, rye flour, etc. Texas Star Flour Mills. 231,481, Aug. 23, 1927. Republished Dec. 28.
Foods, Cattle and stock. Geo. B. Matthews & Sons. 159,432, Sept. 26, 1922. Republished Dec. 28.
Fruitcakes, black walnut fruit cakes, mapled pecans, etc. Grace A. Rush, Inc. 288,918, Nov. 10, 1931. Republished Dec. 28.
Fruit, Fresh. M. Calosso. 331,834, Jan. 21, 1936. Republished Dec. 28.
Fruit, Fresh citrus. Briggs Lemon Association. 349,105, Aug. 17, 1937. Republished Dec. 28.
Fruit, Fresh citrus. Briggs Lemon Association. 350,947, Oct. 12, 1937. Republished Dec. 28.
Fruit, Fresh citrus. Old Baldy Citrus Association. 137,842, Dec. 7, 1920. Republished Dec. 28.
Fruit, Fresh citrus. Old Baldy Citrus Association. 137,844, Dec. 7, 1920. Republished Dec. 28.
Fruit, Fresh citrus. Pomona Fruit Growers Exchange. 332,204, Feb. 4, 1936. Republished Dec. 28.
Fruit, Fresh citrus. Sunland Packing House Company. 353,404, Jan. 4, 1938. Republished Dec. 28.
Fruit, Fresh citrus. Sunland Packing House Company. 388,041, June 10, 1941. Republished Dec. 28.
Fruits, Fresh, and fresh vegetables. R. V. Dublin Company. 416,893, Oct. 2, 1945. Republished Dec. 28.
Fruits, Fresh citrous. Sunland Packing House Co. 186,288, July 8, 1924. Republished Dec. 28.
Fruits, Fresh citrous. Sunland Packing House Company. 212,035, Apr. 27, 1926. Republished Dec. 28.
Fruits, Fresh citrus. Covina Citrus Association. 317,344, Sept. 25, 1934. Republished Dec. 28.
Fruits, Fresh citrus. Irvine Valencia Growers. 251,277, Jan. 1, 1929. Republished Dec. 28.
Fruits, Fresh citrus. Irvine Valencia Growers. 252,221, Jan. 29, 1929. Republished Dec. 28.
Fruits, Fresh citrus. Ivanhoe Mutual Orange Association. 395,296, May 19, 1942. Republished Dec. 28.
Fruits, Fresh citrus. McDermont and Wall, Inc. 275,931, Oct. 7, 1930. Republished Dec. 28.
Fruits, Fresh citrus. McDermont and Wall, Inc. 284,644, July 7, 1931. Republished Dec. 28.
Fruits, Fresh citrus. Old Baldy Citrus Association. 138,685, Jan. 4, 1921. Republished Dec. 28.
Fruits, Fresh citrus. Old Baldy Citrus Association. 152,922, Mar. 7, 1922. Republished Dec. 28.
Fruits, Fresh citrus. Randolph Marketing Company. 342,079, Jan. 5, 1937. Republished Dec. 28.
Fruits, Fresh citrus. Sunland Packing House Company. 166,451, Apr. 3, 1923. Republished Dec. 28.
Fruits, Fresh citrus. Upland Heights Orange Association. 311,448, Mar. 20, 1934. Republished Dec. 28.
Fruits, Fresh citrus. Upland Heights Orange Association. 331,758, Jan. 21, 1936. Republished Dec. 28.
Fruits, Fresh citrus. Whittier Select Citrus Association. 308,035, Nov. 21, 1933. Republished Dec. 28.
Fruits, Fresh citrus, fresh deciduous fruits, fresh vegetables, etc. Randolph Marketing Company. 325,252, June 18, 1935. Republished Dec. 28.
Frying fat. Swift and Company. 249,695, renewed Nov. 20, 1948. O. G. Dec. 28.
Gelatin. Swift and Company. 248,184–90, renewed Oct. 16, 1948. O. G. Dec. 28.
Gelatin. Swift and Company. 248,193–4, renewed Oct. 16, 1948. O. G. Dec. 28.
Gelatin. Swift and Company. 248,196, renewed Oct. 16, 1948. O. G. Dec. 28.
Gelatin. Swift and Company. 248,316, renewed Oct. 16, 1948. O. G. Dec. 28.
Grains, Distillers' dried. Schenley Distilleries, Inc. 410,532, Nov. 28, 1944. Republished Dec. 28.
Grains, Distillers' dried. Schenley Distilleries, Inc. 410,638, Dec. 5, 1944. Republished Dec. 28.
Grapes, Fresh. Sequoia Foothill Fruit Growers. 191,759, Nov. 18, 1924. Republished Dec. 28.
Grapes, Fresh. Sequoia Foothill Fruit Growers. 191,872, Nov. 18, 1924. Republished Dec. 28.
Grapes, Fresh. Sequoia Foothill Fruit Growers. 251,563, Jan. 28, 1929. Republished Dec. 28.
Grapes, Fresh. Sequoia Foothill Fruit Growers. 263,604, Nov. 5, 1929. Republished Dec. 28.
Ice cream, ices and frozen puddings. Frozen Arts. 198,534, May 19, 1925. Republished Dec. 28.
Lemons. Carpinteria Mutual Citrus Association. 366,012, Mar. 28, 1939. Republished Dec. 28.
Mayonnaise, prepared vegetable and egg paste, etc. Fleming-Green Co., Inc. 188,061, Aug. 19, 1924. Republished Dec. 28.
Meats and meat products. Albany Packing Company, Inc. 394,776, Apr. 28, 1942. Republished Dec. 28.
Olive oil, Sterilized. Earnshaw Knitting Company. 292,558, Mar. 15, 1932. Republished Dec. 28.
Olive oil, Sterilized. Earnshaw Knitting Company. 292,579–80, Mar. 15, 1932. Republished Dec. 28.
Oranges. Sanger Citrus Association. 168,602, May 29, 1923. Republished Dec. 28.

Oranges, Fresh. Sunland Packing House Company. 245,263, Aug. 7, 1928. Republished Dec. 28.
Pickled goods and preserves. Lutz Bros. 19,486, May 12, 1891. Republished Dec. 28.
Preparation for making a sauce or dressing. W. Symington & Co., Limited. 84,696, Dec. 26, 1911. Republished Dec. 28.
Preserves, Fruit, and fruit butter. Old Virginia Packing Co., Inc. 222,599, Jan. 4, 1927. Republished Dec. 28.
Salt, Table. Jefferson Island Salt Company. 317,935–6, Oct. 9, 1934. Republished Dec. 28.
Salt, Table. Jefferson Island Salt Company. 322,953, Mar. 26, 1935. Republished Dec. 28.
Sirup, Cane. Alabama-Georgia Syrup Company. 216,625, Aug. 17, 1926. Republished Dec. 28.
Sirup, Cane. Alabama-Georgia Syrup Company. 217,072, Aug. 24, 1926. Republished Dec. 28.
Syrup, Cane. Alabama-Georgia Syrup Co. 82,129, June 6, 1911. Republished Dec. 28.
Syrup, Cane. Alabama-Georgia Syrup Company. 384,458, Jan. 21, 1941. Republished Dec. 28.
Syrup, Corn and cane. Alabama-Georgia Syrup Co. 89,971, Jan. 28, 1913. Republished Dec. 28.
Syrup, Table. Alabama-Georgia Syrup Co. 120,005, Jan. 1, 1918. Republished Dec. 28.
Syrup, Table. Alabama-Georgia Syrup Company. 384,344, Jan. 14, 1941. Republished Dec. 28.
Syrups. Alabama-Georgia Syrup Company. 63,089, June 4, 1907. Republished Dec. 28.
Tea. Paxton & Gallagher. 21,268, June 7, 1892. Republished Dec. 28.
Tea and roasted coffee. John Blaul's Sons Co. 106,733, Oct. 26, 1915. Republished Dec. 28.
Tea, coffee, cocoa, etc. John Blaul's Sons Company. 240,432, Mar. 27, 1928. Republished Dec. 28.
Vegetables, Dehydrated, and dehydrated prepared soups. Ivanhoe Foods, Inc. 401,277, May 4, 1943. Republished Dec. 28.
Vegetables, Fresh. R. V. Dublin Company. 405,266, Jan. 18, 1944. Republished Dec. 28.
Vegetables, Fresh. Salinas Valley Vegetable Exchange. 328,340, Sept. 24, 1935. Republished Dec. 28.
Vegetables, Fresh. Salinas Valley Vegetable Exchange. 328,572, Oct. 1, 1935. Republished Dec. 28.
Vegetables, Fresh. Salinas Valley Vegetable Exchange. 389,192, July 29, 1941. Republished Dec. 28.
Vegetables, Fresh. Salinas Valley Vegetable Exchange. 392,960. Jan. 20, 1942. Republished Dec. 28.
Vegetables, Fresh. B. S. Smith. 408,552, Aug. 15, 1944. Republished Dec. 28.
Vegetables, Fresh. B. S. Smith. 408,636, Aug. 22, 1944. Republished Dec. 28.
Vegetables, Fresh, cantaloupes, honey dew and casaba melons. Smith Thornburg Co. 327,817, Sept. 3, 1935. Republished Dec. 28.

CLASS 47

Wine, Sherry. Schenley Wine & Spirit Import Corporation. 344,715, Apr. 6, 1937. Republished Dec. 28.
Wines. Geo. Benz & Sons. 305,572, Aug. 22, 1933. Republished Dec. 28.
Wines. Cannizzaro Wine Co., Inc. 338,053, Aug. 25, 1936. Republished Dec. 28.
Wines. Franek & Company, Inc. 325,327, June 18, 1935. Republished Dec. 28.
Wines. L. Guerrieri. 355,314, Mar. 15, 1938. Republished Dec. 28.
Wines. Old Mission Wineries. 422,939, Aug. 20, 1946. Republished Dec. 28.
Wines. Roma Wine Company, Inc. 361,966, Nov. 8, 1938. Republished Dec. 28.
Wines. Roma Wine Company, Inc. 386,411, Apr. 8, 1941. Republished Dec. 28.
Wines. Sazerac Company, Incorporated. 327,328, Aug. 20, 1935. Republished Dec. 28.
Wines, Port and sherry. Geo. G. Sandeman Sons & Co., Ltd. 64,221, July 30, 1907. Republished Dec. 28.

CLASS 48

Ale. Globe Brewing Company. 344,848, Apr. 6, 1937. Republished Dec. 28.
Ale and beer. Globe Brewing Company. 344,847, Apr. 6, 1937. Republished Dec. 28.
Malt beverage. Independent Milwaukee Brewery. 300,866, Feb. 14, 1933. Republished Dec. 28.
Lager-beer. Gottlieb Bauernschmidt Straus Brewing Company. 103,853, Apr. 20, 1915. Republished Dec. 28.
Lager-beer. Gottlieb Bauernschmidt Straus Brewing Company. 104,610, June 8, 1915. Republished Dec. 28.

CLASS 49

Brandy. E. & J. Gallo Winery. 395,583, June 2, 1942. Republished Dec. 28.
Brandy. Martell & Co. 328,888, Oct. 8, 1935. Republished Dec. 28.
Brandy. Martell & Co. 328,929, Oct. 8, 1935. Republished Dec. 28.
Brandy. Martell & Co. 330,844, Dec. 17, 1935. Republished Dec. 28.
Brandy. Martell & Co. 333,350, Mar. 17, 1930. Republished Dec. 28.
Cocktails. Sazerac Co., Inc. 305,857, Aug. 29, 1933. Republished Dec. 28.
Cognac brandies. Martell & Company. 72,228, Jan. 12, 1909. Republished Dec. 28.
Creme de menthe. Leroux and Company, Inc. 417,185, Oct. 16, 1945. Republished Dec. 28.
Distilled alcoholic spirits. Geo. G. Sandeman Sons & Co., Limited. 270,973, May 20, 1930. Republished Dec. 28.
Gin. Sazerac Company, Incorporated. 328,454–5, Oct. 1, 1935. Republished Dec. 28.
Gin. Sazerac Company, Inc. 346,779, June 8, 1937. Republished Dec. 28.
Rum. Henry White & Co. 16,486, Apr. 9, 1889. Republished Dec. 28.
Whiskey. Sazerac Company, Incorporated. 322,209, Feb. 26, 1935. Republished Dec. 28.
Whiskey. Sazerac Company, Incorporated. 333,394, Mar. 17, 1936. Republished Dec. 28.
Whiskey. Sazerac Co., Inc. 381,622, Oct. 1, 1940. Republished Dec. 28.
Whiskey, gin and rum United Distillers Limited. 310,638, Mar. 6, 1934. Republished Dec. 28.
Whisky. Anderson & Shaw, Limited. 312,564, May 1, 1934. Republished Dec. 28.
Whisky. Wright & Greig Limited. 311,611, Mar. 27, 1934. Republished Dec. 28.
Whisky, Scotch. Bulloch Lade & Co. Limited. 311,609–10, Mar. 27, 1934. Republished Dec. 28.
Whisky, Scotch. Bulloch Lade & Co. Limited. 312,501, May 1, 1934. Republished Dec. 28.
Whisky, Scotch. Daniel Crawford & Son Limited. 313,381, May 29, 1934. Republished Dec. 28.
Whisky, Scotch. William Greer & Co. Limited. 365,952, Mar. 21, 1939. Republished Dec. 28.
Whisky, Scotch. John Robertson & Son Limited. 342,723, Jan. 26, 1937. Republished Dec. 28.
Whisky, Scotch. John Robertson & Son Limited. 367,490, May 16, 1939. Republished Dec. 28.
Whisky, Scotch. White Horse Distillers, Limited. 308,738, Dec. 19, 1933. Republished Dec. 28.
Whisky, Scotch. White Horse Distillers, Limited. 310,140, Feb. 13, 1934. Republished Dec. 28.
Whisky, Scotch. White Horse Distillers Limited. 316,134, Aug. 14, 1934. Republished Dec. 28.

CLASS 55

Operation of airlines and the transportation of passengers, freight and mail, etc. Mid-Continent Airlines, Inc. 505,323, Dec. 28; Serial No. 531,042.
Shipping service. Moore-McCormack Lines, Inc. 505,312, Dec. 28; Serial No. 536,705, published Sept. 14, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Baker Axle Company, assignee: *See*—
Baker, Erle K.

Baker, Erle K., Detroit, Mich., assignor to Baker Axle Company, Cleveland, Ohio. Pump. Re. 23,067, Dec. 28.

LIST OF PLANT PATENTEES

Hamburg, Charles H., Whittier, Calif. Avocado tree. 816; Dec. 28.

Styer, John F., Concordville, Pa. Japanese holly plant. 817, Dec. 28.

LIST OF DESIGN PATENTEES

Accurate Parts Manufacturing Company, assignee: *See*—
Shewitz, Newson, Sloane, and Vaiksnoras.

Barnhart, Herbert S., Scarsdale, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner. 152,182, Dec. 28.

Barnhart, Herbert S., Scarsdale, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner casing. 152,183, Dec. 28.

Baron, Leonard, Whitestone, N. Y., assignor to Hobar Corporation, Milwaukee, Wis. Container cap. 152,184, Dec. 28.

Barr, Herman, New York, N. Y. Combined toy sink, water dispenser, and receiver. 152,185, Dec. 28.

Bausch & Lomb Optical Company, assignee: *See*—
O'Dea, Martin J.

Beal, Harold R.: *See*—
Teague, Walter D., Ensign, Beal, and Fairbank.

Buchhart, Prosper W., Closter, N. J. Semiautomatic table lighter. 152,186, Dec. 28.

Burnham, Benjamin F., Huntington Woods, assignor to Kerr Manufacturing Company, Detroit, Mich. Hand blowtorch. 152,187, Dec. 28.

Butler, Arvilla K.: *See*—
Potts, Clifford.

Butler, Louis A.: *See*—
Potts, Clifford.

Cartier, Inc., assignee: *See*—
Desouches, Gerard B.

Dalton, Thomas L., Kansas City, Mo. Combined turn signal, extremity marker, and rearview mirror. 152,188, Dec. 28.

Desouches, Gerard B., Paris, France, assignor to Cartier, Inc., New York, N. Y. Combined wrist watch and strap therefor. 152,189, Dec. 28.

Diedrich, Carl R., Chicago, Ill. Projector. 152,190, Dec. 28.

Diits, George, Davenport, Iowa. Roadside lunchroom. 152,191, Dec. 28.

Drell, William, New York, N. Y. Button or similar article. 152,192, Dec. 28.

Duda, Clifford A., Detroit, Mich. Scriber. 152,193, Dec. 28.

Eaton Manufacturing Company, assignee: *See*—
Price, Gordon.

Ensign, Robert H.: *See*—
Teague, Walter D., Ensign, Beal, and Fairbank.

Fairbank, Murry N.: *See*—
Teague, Walter D., Ensign, Beal, and Fairbank.

Forthman, William, Buchanan, Mich. Ash tray. 152,194, Dec. 28.

Fuller, Richard P., Los Angeles, Calif. Twin vision transparency viewer. 152,195, Dec. 28.

Glidden, Arthur R., Seattle, Wash. Combination key holder and bottle opener. 152,196, Dec. 28.

Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell, & Moore, Inc., Muskegon, Mich. Bridge crane. 152,197, Dec. 28.

Hannay, Clifford B., and Son, Inc., assignee: *See*—
Rehm, William H. C.

Hay, Daniel C., Santa Monica, Calif. Pull for doors and the like. 152,198, Dec. 28.

Hobar Corporation, assignee: *See*—
Baron, Leonard.

Jenkins, Willard C., Wilmington, Del. Combined dial and hands for a clock. 152,199, Dec. 28.

Kerr Manufacturing Company, assignee: *See*—
Burnham, Benjamin F.

Lily-Tulip Cup Corporation, assignee: *See*—
Perelman, Albert A.

Little, John M.: *See*—
Gustafson, Folke M., and Little.

Luketa, Frank J., Seattle, Wash. Adjustable lounge chair. 152,200, Dec. 28.

Mack, John L., Sr., Chicago, Ill. Combined cigarette pack and match holder. 152,201, Dec. 28.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Gustafson, Folke M., and Little.

Mast, Gifford M., Davenport, Iowa, assignor to True-Vue, Inc., Rock Island, Ill. Picture viewer. 152,202, Dec. 28.

Mayer, Joseph W., Troy, N. Y., assignor, by mesne assignments, to Tek Hughes, Inc. Hairbrush. 152,203, Dec. 28.

Meldrum, Roy W., St. Paul, Minn. Candleholder. 152,204, Dec. 28.

Miller, Arthur, New York, N. Y. Orange peeler. 152,205, Dec. 28.

Most, Lucifer J., Dover, N. J. Tip for a mechanical pencil. 152,206, Dec. 28.

Nemeth, Otto R., Chicago, Ill. Projector. 152,207, Dec. 28.

O'Dea, Martin J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens rim material for spectacle frames. 152,208, Dec. 28.

Ohio Porcelain Company, assignee: *See*—
Potts, Clifford.

Page, William M., Marblehead, Mass. Slipper. 152,209, Dec. 28.

Perelman, Albert A., Brooklyn, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Dispenser cabinet for paper cups or the like. 152,210, Dec. 28.

Platt, Joseph B., assignor to Ponds Extract Company, New York, N. Y. Bottle. 152,211, Dec. 28.

Polaroid Corporation, assignee: *See*—
Teague, Walter D., Ensign, Beal, and Fairbank.

Pond's Extract Company, assignee: *See*—
Platt, Joseph B.

Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Ash tray or similar article. 152,212, Dec. 28.

Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Ash tray or similar article. 152,213, Dec. 28.

Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Ash tray or similar article. 152,214, Dec. 28.

Price, Gordon, Canton, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Display statuette or similar article. 152,215, Dec. 28.

Quethera, Joseph J., Trona, Calif. Combined brooch and lipstick holder. 152,216, Dec. 28.

Rehm, William H. C., South Westerlo, assignor to Clifford B. Hannay and Son, Inc., Westerlo, N. Y. Hose reel. 152,217, Dec. 28.

Reifman, Leo, Jackson Heights, N. Y. Golf tee. 152,218, Dec. 28.

Rockwell Manufacturing Company, assignee: *See*—
Stevens, Clifford B.

Schick, Howard M., Lee's Summit, Mo. Cutlery display case. 152,219, Dec. 28.

Shailer, John L., Roslyn, N. Y. Sled. 152,220, Dec. 28.

Shewitz, Newson, P. L. Sloane, and A. Vaiksnoras, Jr., assignors to Accurate Parts Manufacturing Company, Cleveland, Ohio. Postal scale. 152,221, Dec. 28.

Singer Manufacturing Company, The, assignee: *See*—
Barnhart, Herbert S.

Sloane, Phyllis L.: *See*—
Shewitz, Newson, Sloane, and Vaiksnoras.

Smart, George D., Los Angeles, Calif. Eyeglass frame. 152,222, Dec. 28.

Smart, George D., Los Angeles, Calif. Eyeglass frame. 152,223, Dec. 28.

Solak, Frank F., Klamath Falls, Oreg. Flower stand. 152,224, Dec. 28.
Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Band saw. 152,225, Dec. 28.
Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Scroll saw. 152,226, Dec. 28.
Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Circular saw. 152,227, Dec. 28.
Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Lathe. 152,228, Dec. 28.
Teague, Walter D., Annandale, N. J., R. H. Ensign, Bronxville, N. Y., H. R. Beal, Boston, and M. N. Fairbank, Belmont, assignors to Polaroid Corporation, Cambridge, Mass. Photographic camera or similar article. 152,229, Dec. 28.
Tek Hughes Inc., assignee: *See*—
Mayer, Joseph W.
Tru-Vue, Inc., assignee: *See*—
Mast, Gifford M.
Universal Camera Corporation, assignee: *See*—
Whitaker, David C.
Valksnoras, Anthony, Jr.: *See*—
Shewitz, Newson, Sloane, and Valksnoras.
Vermillion, William R., Kansas City, Mo. Knife rest. 152,230, Dec. 28.
Weldon, George B., East Orange, N. J. Combination ash tray and cigarette snuffer. 152,231, Dec. 28.
Whitaker, David C., assignor to Universal Camera Corporation, New York, N. Y. Camera. 152,232, Dec. 28.
Wilson, Wallace D., Long Beach, Calif. Shower sandal. 152,233, Dec. 28.
Wisecarver, George B., Pikeville, Ky. Combination ash tray and desk unit. 152,234, Dec. 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abercrombie, David J., E. A. Brettingham-Moore, and W. T. Muscio, Alexandria, near Sydney, New South Wales, Australia, assignors to International Standard Electric Corporation, New York, N. Y. Time-delay switch operating system. 2,457,112, Dec. 28.
Abraham, Charles R., San Francisco, Calif. Means and method of indicating acceleration. 2,457,620, Dec. 28.
Ace Glass Incorporated, assignee: *See*—
Krenz, Harry.
Acker, John T., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulating coating compositions and making. 2,457,515, Dec. 28.
Acme Tool and Manufacturing Company, assignee: *See*—
Shea, Robert P., and Furer.
Aeres, Paul, New York, N. Y. Thermostatic electrically heated comb. 2,457,621, Dec. 28.
Aeroil Product Company, assignee: *See*—
Kittel, George P., and Wollner.
Aeroquip Corporation, assignee: *See*—
Main, Benjamin A., Jr.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Jansen, Eugene F., and Lineweaver.
Maclay, William D., Shepherd, McCready, and Graham.
Milleville, Howard P.
Swern, Daniel, and Ault.
Swern, Daniel, and Billen.
Tucker, Irwin W., and Balls.
Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Meat tendering machine. 2,457,622, Dec. 28.
Air Reduction Company, Incorporated, assignee: *See*—
Yoch, August H., and Rice, Jr.
Air Supply Packs Proprietary Limited, assignee: *See*—
Campbell, Edward R., Frewin, Lennox, and Morris.
Aktiebolaget Elektrolux, assignee: *See*—
Widell, Nils E.
Aktiengesellschaft Brown, Boveri & Cie., assignee: *See*—
Uhlig, Edward.
Albino, George, Waterbury, Conn. Shoe tree. 2,457,623, Dec. 28.
Alden, Milton, Brockton, Mass. Scanning unit. 2,457,113, Dec. 28.
Aleks, Vytant, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Bicycle basket. 2,457,624, Dec. 28.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Fluid meter. 2,457,297, Dec. 28.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Rockwood, Charles H., and Sikorra.
Allison Company, The, assignee: *See*—
Allison, Hugh V.
Allison, Hugh V., Fairfield, assignor to The Allison Company, Bridgeport, Conn. Making abrasive cutoff wheels. 2,457,516, Dec. 28.
Aluminum Industries, Incorporated, assignee: *See*—
Beckmann, Melbourne A.
Amenta, Sam, Chicago, Ill. Forming dentures from polymerizable acrylic materials. 2,457,114, Dec. 28.
Americaine, Inc., assignee: *See*—
Stone, Raymond.
American Car and Foundry Company, assignee: *See*—
Bogard, Fred J.
Shields, Robert A.
American Cyanamid Company, assignee: *See*—
Boothe, James H.
Hutchings, Brian L.
Mowat, John H.
American Hardware Corporation, The, assignee: *See*—
Dyson, Louis M.
American Linen Supply Co., assignee: *See*—
Birr, Rudolph G.
American Machine & Foundry Company, assignee: *See*—
Dehuff, Walter F.
Thiel, Louis F.
American Machine and Metals, Inc., assignee: *See*—
Sidell, Philip A.
American-Marietta Company, Adhesive, Resin and Chemical Division, assignee: *See*—
Redfern, Donald V.
American Seal-Kap Corporation, assignee: *See*—
Vore, Herbert G.
American Seal-Kap Corporation of Delaware, assignee: *See*—
Butterfield, George P., and Thorne.
Rodman, Francis C., and Engel.
American Sterilizer Company, assignee: *See*—
Owens, Neal, and Jewell.
American Viscose Corporation, assignee: *See*—
Copson, Ernest D., and Taylor.
Amiot, Felix, Neuilly-sur-Seine, France. Controlling means, especially for doors. 2,457,625, Dec. 28.
Anderson, Alva E., Spring Lake, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave oscillator. 2,457,194, Dec. 28.
Argyris, Stefanos, New York, N. Y. Electric bicycle. 2,457,430, Dec. 28.
Arma Corporation, assignee: *See*—
Cunningham, Frederick W.
Toner, John P.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Herbert, William S., and Francis.
Rifenbergh, Clare M.
Armstrong Cork Company, assignee: *See*—
Biemesderfer, George K., Jr.
Powers, Paul O.
Wilson, Gardiner C.
Arvin, James A., Homewood, and W. B. Gitchel, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Styrene-oil soluble natural resin-drying oil interpolymer. 2,457,768, Dec. 28.
Arvin, James A., Homewood, and W. B. Gitchel, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Resinous esters of polyhydric alcohols with polymers of styrene and resin acids and preparation thereof. 2,457,769, Dec. 28.
Ashby, Guy S. M., assignee: *See*—
Higginson, George S.
Ashford, James L., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric switch. 2,457,115, Dec. 28.
Atlantic Refining Company, The, assignee: *See*—
McGrogan, John F.
Atlee, Zed J., Elmhurst, assignor to General X-Ray Corporation, Chicago, Ill. Grid construction. 2,457,626, Dec. 28.
Attapulgus Clay Company, assignee: *See*—
Heinemann, Heinz, and Krieger.
Attorney General of the United States, Vested in the: *See*—
Schlumberger, Marcel.
Ault, Waldo C.: *See*—
Swern, Daniel, and Ault.
Automatic Products Company, assignee: *See*—
Johnson, Roy W., and Zarwell.
Avco Manufacturing Corporation, assignee: *See*—
Kidd, Robert S.
Bade, Alfred G., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Variable-speed transmission. 2,457,431, Dec. 28.
Baer, John M., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Vacuum drying. 2,457,116, Dec. 28.
Bagnall, Joseph C., Jr., Attleboro, Mass., assignor to Swank, Inc. Extension key chain. 2,457,195, Dec. 28.
Bailey, Emmett C., Washington, D. C. Swinging seesaw. 2,457,627, Dec. 28.
Bailey Meter Company, assignee: *See*—
Hornfeck, Anthony J.
Baker, Chester L., Narberth, and R. H. Sams, Upper Darby, assignors to Philadelphia Quartz Company, Philadelphia, Pa. Adhesive and making. 2,457,108, Dec. 28.
Baker Oil Tools, Inc., assignee: *See*—
Baker, Reuben C.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Underreamer. 2,457,628, Dec. 28.
Ball, David L., San Luis Obispo, Calif. Rotary axial vane compressor. 2,457,298, Dec. 28.
Ballard, Dana R., Madera, Calif. Poultry feeder. 2,457,432, Dec. 28.
Balls, Arnold K.: *See*—
Tucker, Irwin W., and Balls.
Barber-Colman Company, assignee: *See*—
Drake, Russell P.
Barbour Stockwell Company, assignee: *See*—
Coffey, Roger T.
Barrett, William, International Falls, assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn. Apparatus for coating paper. 2,457,433, Dec. 28.
Barron, Milford: *See*—
Brown, Harry M., and Barron.
Bartelink, Everhard H. B., Bronxville, assignor to General Telephone Corporation, New York, N. Y. Signaling system for two-way dialing over radio and carrier telephone circuits. 2,457,434, Dec. 28.
Bates, Harold S., Philadelphia, and S. A. Robinson, Upper Darby, assignors to Philco Corporation, Philadelphia, Pa. Crystal mounting. 2,457,338, Dec. 28.

Batten, Percy H., assignee: *See*—
Lysholm, Alf.

Baumann, Frederick W., Schenectady, N. Y., assignor to General Electric Company. Alternating current commutator machine. 2,457,517, Dec. 28.

Baxter Laboratories, Inc., assignee: *See*—
Brandon, Wayne D.

Baysinger, Royal D., Rockford, and L. W. Fulton, South Beloit, assignors to George D. Roper Corporation, Rockford, Ill. Core making machine. 2,457,196, Dec. 28.

Bear, Fred B., Detroit, Mich. Takedown bow. 2,457,793, Dec. 28.

Beckman, Joseph R., Stockton, Calif. Fiddle. 2,457,629, Dec. 28.

Beckman, Lawrence R., Erhard, Minn. Automobile chain snap. 2,457,435, Dec. 28.

Beckmann, Melbourne A., assignor to Aluminum Industries, Incorporated, Cincinnati, Ohio. Packaging articles. 2,457,197, Dec. 28.

Beetson, Geoffrey H., Hudcar Mills, Bury, assignor to The Bury Felt Manufacturing Company, Bury, England. Manufacturing fulled or hardened felt articles such as felt boots or footwear. 2,457,630, Dec. 28.

Bell Aircraft Corporation, assignee: *See*—
Young, Arthur M.

Bell, James A., Leatherhead, England, assignor to Shell Development Company, San Francisco, Calif. Waterproofing plastic compositions. 2,457,518, Dec. 28.

Bell, John G., Chicago, Ill., assignor to Morbell Products Corporation. Container and blank therefor. 2,457,198, Dec. 28.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Acker, John T.
Anderson, Alva E.
Bowen, Arnold E.
Bruce, Edmond.
Ferrell, Enoch B.
Goldsmith, Elsworth H., Terry, and Schaefer.
Haworth, Francis E.
Huber, George H.
Karleen, Edward H.
Miller, Victor F.
Ring, Douglas H.
Townes, Charles H.

Bemel, Nathan, Rochester, Minn. Portable battery stripping device. 2,457,519, Dec. 28.

Benander, George B., Oaklawn, R. I., assignor to Monowatt Incorporated. Plug connector. 2,457,520, Dec. 28.

Benander, George B., Oaklawn, assignor, by mesne assignments, to Monowatt Incorporated, Providence, R. I. Electric-light fixture. 2,457,521, Dec. 28.

Bendix Aviation Corporation, assignee: *See*—
Dickens, Richard G.
Jones, Burr W.
Lum, George P.
Mock, Frank C.
Price, Harold W.
Ringer, Evue J.
Sherrill, Eugene A.
Thomas, Thomas H.
Winkler, Albert H.

Benner, Raymond C.: *See*—
Melton, Romie L., and Benner, and Kirchner.

Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. High-tension electric cable. 2,457,436, Dec. 28.

Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Joint for pipe lines. 2,457,438, Dec. 28.

Bennett, Charles E., Ridgewood, and P. V. White, Rochelle Park, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Terminal bushing for power cables. 2,457,437, Dec. 28.

Bennett, William O., Jr., Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Cylindrical hairspring form. 2,457,631, Dec. 28.

Bernardi, Dominic J., Bronx County, N. Y., assignor to Interchemical Corporation. Manufacture of amino acids. 2,457,117, Dec. 28.

Berry, Philip E., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Mounting for vibratory bodies. 2,457,340, Dec. 28.

Bertea, Alex, Pasadena, Calif. Wobble plate pump. 2,457,339, Dec. 28.

Best, Frank E., Indianapolis, Ind. Proximity and direction indicator. 2,457,199, Dec. 28.

Biagi, Leon J., Rumford, R. I., assignor to Swank, Inc. Cravat holder. 2,457,341, Dec. 28.

Bias, Frank J., Scotia, and H. W. Lord, Schenectady, N. Y., assignors to General Electric Company. Electronic sawtooth wave generator. 2,457,522, Dec. 28.

Biemesderfer, George K., Jr., assignor to Armstrong Cork Company, Lancaster, Pa. Surface covered structure and surface covering therefor. 2,457,299, Dec. 28.

Bikoff, Jonas, Brooklyn, N. Y. Foldable bracelet catch. 2,457,200, Dec. 28.

Bilhuber, E., Inc., assignee: *See*—
Givens, Horace T. F., and Herbst.

Billen, Geraldine N., assignee: *See*—
Swern, Daniel, and Billen.

Bird, Stanley P., Varona, assignor to Breeze Corporation, Inc., Newark, N. J. Quick disconnect joint. 2,457,523, Dec. 28.

Birr, Rudolph G., Lombard, Ill., assignor, by mesne assignments, to American Linen Supply Co., Carson City, Nev. Dispensing apparatus for sheet material. 2,457,439, Dec. 28.

Birtman Electric Company, assignee: *See*—
French, Edward A.
Sparklin, Charles H.

Bittner, Alvie W.: *See*—
Carlson, Carl A., and Bittner.

Blake, William P., assignor to K & B Manufacturing Co., Fairmont, Okla. Belt driven roller mill with adjustably and yieldably mounted roller. 2,457,632, Dec. 28.

Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Spheroidal pressure vessel. 2,457,118, Dec. 28.

Boccafogli, Edward C., assignee: *See*—
Ugazio, Walter, and Boccafogli.

Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Lower polymer of glycidyl sorbate and making it. 2,457,300, Dec. 28.

Bogard, Fred J., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Lubricating device. 2,457,770, Dec. 28.

Bonard, Claude, administrator: *See*—
Dreyfus, Henry.

Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Breaking emulsions. 2,457,634, Dec. 28.

Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Regenerating aqueous alkali solution used to extract weakly acidic sulfur compounds from hydrocarbon fluids. 2,457,635, Dec. 28.

Booth, Herbert L., Staten Island, N. Y. Producing tufted plastic combs. 2,457,440, Dec. 28.

Boothe, James H., Pearl River, assignor, by mesne assignments to American Cyanamid Company, New York, N. Y. Preparing 2-amino-4-hydroxy-6-methylpyrimido 4,5-b pyrazine. 2,457,109, Dec. 28.

Borg, George W., Corporation, The, assignee: *See*—
McCaslin, James F., and Fink.

Borg, Gustav A., Naugatuck, Conn. Sealing device. 2,457,633, Dec. 28.

Bouchard, George H., Ipswich, assignor to Sylvania Electric Products Inc., Salem, Mass. Crater lamp. 2,457,771, Dec. 28.

Bouget, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material serving apparatus. 2,457,636, Dec. 28.

Bour, Paul L., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Electrical connector. 2,457,119, Dec. 28.

Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide repeater. 2,457,524, Dec. 28.

Boyd, William H., Drexel Hill, assignor to General Refractories Company, Philadelphia, Pa. Furnace arch and wall structure. 2,457,201, Dec. 28.

Braden, Rene A., Princeton, N. J., assignor to Radio Corporation of America. Phase splitting coupling for coaxial transmission lines. 2,457,638, Dec. 28.

Brady, George W., Upper Montclair, N. J., assignor to Curtis-Wright Corporation. Making internally reinforced hollow propeller blades. 2,457,202, Dec. 28.

Brailsford, Harrison D., Harrison, N. Y. Electrical motor. 2,457,637, Dec. 28.

Branchfield, Frank B., Sr., Canton, Ill. Cheese pusher. 2,457,441, Dec. 28.

Brand, William T., Beemer, Nebr. Machine for removing the wax caps from honeycombs. 2,457,301, Dec. 28.

Brandon, Wayne D., Skokie, assignor to Baxter Laboratories, Inc., Glenview, Ill. Container and using same. 2,457,120, Dec. 28.

Brasch, Arno, Brooklyn, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation. Making scenting essential oils from plants. 2,457,203, Dec. 28.

Braselton, Chester H., New York, N. Y. Lipstick. 2,457,342, Dec. 28.

Braunschweiger, Paul G., assignor to The Troy Sunshade Company, Troy, Ohio. Securing webbing strips to furniture frames. 2,457,343, Dec. 28.

Brearley, Charles S., Jr.: *See*—
Grote, Henry W., Swoope, and Brearley.

Breeze Corporation, Inc., assignee: *See*—
Bird, Stanley P.

Brent, George F., Pittsburgh, Pa., assignor to Brent Industries, Inc. Ladder tape. 2,457,442, Dec. 28.

Brent Industries, Inc., assignee: *See*—
Brent, George F.

Brettingham-Moore, Edward A.: *See*—
Abercrombie, David J., Brettingham-Moore, and Muscio.

Brian, Joseph M., Westmount, Quebec, Canada, assignor to Radio Corporation of America. Capacity brush holder. 2,457,325, Dec. 28.

Bristol Aeroplane Company Limited, The, assignee: *See*—
Berry, Philip E.

Brooks, Harry G., Byhalia, Miss. Mounting for rear-vision mirrors. 2,457,639, Dec. 28.

Brooks, Richard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of esters. 2,457,204, Dec. 28.

Brown, Andrew, and T. A. Marshall, assignors, by mesne assignments, to Standard Telephones and Cables Limited, London, England. Electric signaling system. 2,457,121, Dec. 28.

Brown, Daniel, Burlington, N. J. Fire hose nozzle. 2,457,526, Dec. 28.

Brown, Harry M., Indianapolis, and M. Barron, Anderson; I. Brown, administratrix of said H. M. Brown, deceased, assignor to I. P. Brown, Indianapolis, Ind. Surgical instrument for skin grafting. 2,457,772, Dec. 28.

Brown Instrument Company, The, assignee: *See*—
Clarke, Herbert A.
Wild, Rudolf F.
Wild, Rudolf F., and Cherry.
Wild, Rudolf F., and Curran.

Brown, Irene, administratrix: *See*—
Brown, Harry M., and Barron.

Brown, Irene P., assignee: *See*—
Brown, Harry M., and Barron.

Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,457,527, Dec. 28.

Bruson, Herman A., Rydal, and W. D. Niederhauser, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Hydroxycarboxylic acid. 2,457,640, Dec. 28.

Buckeye Steel Castings Company, The, assignee: *See*—
Schrock, Eugene B.

Budd Company, The, assignee: *See*—
Temple, Robert B.

Bull, Cabot S., Hillington, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electric transforming arrangement. 2,457,528, Dec. 28.

Bunn, Fred H., Westfield, N. J., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Wax treatment of uncured rubber goods. 2,457,641, Dec. 28.

Burbank, Henry R., New York, and B. J. Zenlea, Ozone Park, Long Island, assignors to Rockwood & Co., Brooklyn, N. Y. Chocolate coated edibles. 2,457,110, Dec. 28.

Burch Corporation, The, assignee: *See*—
Leicy, Walter K.

Burdick Corporation, The, assignee: *See*—
Sturm, Ralph E.

Burley, George D., Cleveland, Ohio, assignor, by mesne assignments, to Fram Corporation, East Providence, R. I. Cell type filter element. 2,457,122, Dec. 28.

Burndy Engineering Company, Inc., assignee: *See*—
Dupre, Henry P.

Burroughs, Eugene W., Sr., Norfolk, W. J. Byrd, Suffolk, and M. P. Seawell, Norfolk, Va. Trolley for electric cranes. 2,457,443, Dec. 28.

Bury Manufacturing Company, The, assignee: *See*—
Beetson, Geoffrey H.

Busby, Luther W., Manhattan Beach, Calif. Denture stress reliever. 2,457,529, Dec. 28.

Busignies, Henri G., Forest Hills, T. H. Clark, New York, and A. G. Everhart, Islip, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Coupling arrangement. 2,457,123, Dec. 28.

Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, County of London, England. Fluid pressure brake apparatus. 2,457,344, Dec. 28.

Butterfield, George P., Des Plaines, and L. A. Thorne, Chicago, Ill., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Treating lactalbumin. 2,457,642, Dec. 28.

Byrd, William J.: *See*—
Burroughs, Eugene, Jr., Byrd, and Seawell.

Campbell, Edward R., Ivanhoe, K. M. Frewin, Elsternwick, F. W. Lennox, Toorak, and R. P. Morris, North Brighton, assignors to Air Supply Packs Proprietary Limited, Melbourne, Victoria, Australia. Container suitable for dropping from aircraft and the like. 2,457,205, Dec. 28.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Boese, Albert Ba Jr.
Fife, Harvey R., and Toussaint.

Carborundum Company, The, assignee: *See*—
Melton, Romie L., Benner, and Kirchner.

Carline, John G., London, England. Device for dispensing articles. 2,457,345, Dec. 28.

Carlson, Bert G., Cleveland, Ohio. Rotary valve for internal-combustion engines. 2,457,206, Dec. 28.

Carlson, Carl A., and A. W. Bittner, Fort Dodge, Iowa. Loading and stacking machine. 2,457,346, Dec. 28.

Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Angle modulated carrier receiver. 2,457,207, Dec. 28.

Carlton, Clinton A.: *See*—
Williams, Ira, and Carlton.

Carpenter, Glen F., Des Moines, Iowa. Traction device for vehicle wheels. 2,457,208, Dec. 28.

Caserta, Michele, Detroit, Mich. Rotary pump and packing therefor. 2,457,643, Dec. 28.

Casler, Leslie R., and L. F. Milner, Indianapolis, Ind. Electrical outlet structure. 2,457,347, Dec. 28.

Cave, Donald E., Griffin, Ind. Tie rod end installation. 2,457,444, Dec. 28.

Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Deflecting coil. 2,457,773, Dec. 28.

Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Inductively coupled band-pass filter. 2,457,774, Dec. 28.

Celanese Corporation of America, assignee: *See*—
Dreyfus, Henry.

Chadwick, Vincent, Chelsea, and O. I. E. Hallberg, Boston, Mass. Water rheostat control. 2,457,124, Dec. 28.

Chain Belt Company, assignee: *See*—
Schiro, Raymond M. G.

Chambers, Paul A., assignor of one-half to L. E. Harris, Santa Monica, Calif. Combined signal light and rear-view mirror. 2,457,348, Dec. 28.

Chatterjea, Prafulla K., and L. W. Houghton, assignors, by mesne assignments, to Standard Telephones and Cables Limited, London W. C. 2, England. Circuit arrangement for producing electrical pulses. 2,457,125, Dec. 28.

Cherry, Lloyd B.: *See*—
Wild, Rudolf F., and Cherry.

Cherry Rivet Company, assignee: *See*—
Trautmann, Herbert L.

Chesus, Frank O., Jackson Heights, and F. G. Thomas, Islip, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Antenna system. 2,457,126, Dec. 28.

Chesus, Frank O., Jackson Heights, and F. G. Thomas, Islip, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Antenna system. 2,457,127, Dec. 28.

Chicago Bridge & Iron Company, assignee: *See*—
Boardman, Harry C.
Jackson, Robert A.

Christensen, Harold E., Wilmette, Ill., J. J. Stein, Cleveland, Ohio, and A. S. Kester, Chicago, Ill. Display device for foodstuffs. 2,457,302, Dec. 28.

Chrysler Corporation, assignee: *See*—
La Brie, Ludger E.

Churnell, Frank J., Bloomfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Water barrier. 2,457,128, Dec. 28.

Clair, Verne, Rye, N. Y. Combination shoe tree and shoe-shine bracket. 2,457,445, Dec. 28.

Clark, George T.: *See*—
Fowler, Chester C., and Clark.

Clark, Joseph F., Paterson, N. J., assignor to Durex Products, Inc., New York, N. Y. Manufacture of pessaries. 2,457,349, Dec. 28.

Clark, Trevor H.: *See*—
Busignies, Henri G., Clark, and Everhart.
Richardson, Avery G., and Clark.

Clark, William B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous compositions. 2,457,209, Dec. 28.

Clarke, Herbert A., Merion, assignor to The Brown Instrument Company, Philadelphia, Pa. Failure indicating control apparatus. 2,457,794, Dec. 28.

Cloyd, Harold S., assignor to National Organ Supply Company, Erie, Pa. Push comb. 2,457,446, Dec. 28.

Coffey, Roger T., Marblehead, assignor to Barbour Stockwell Company, Cambridge, Mass. Clutch. 2,457,210, Dec. 28.

Coggeshall, Norman D., Verona, and N. F. Kerr, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Electron gun for mass spectrometers. 2,457,530, Dec. 28.

Cohn, Irwin, Leominster, Mass. Carrousel toy for children. 2,457,447, Dec. 28.

Cole, Rex, assignee: *See*—
Harshbarger, Walter J., and Putt.

Collings, John K., Englewood, assignor to The Metal Lumber Corporation of New Jersey, Hoboken, N. J. Hatch cover. 2,457,129, Dec. 28.

Collins Radio Company, assignee: *See*—
Doelz, Melvin L.

Columbia Records Inc., assignee: *See*—
Hunter, James H.

Compagnie de Produits Chimiques et Electrometallurgiques Alias, Froges et Camargue, assignee: *See*—
Fréjacques, Jean L. M.

Consolidated Engineering Corporation, assignee: *See*—
Langmuir, Robert V.
McNamee, Bernard F.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Hartman, Milton V.

Continental Can Company, Inc., assignee: *See*—
Kronquest, Alfred L.
Neuman, Wilbur K., and Slosberg.

Continental Carbon, Inc., assignee: *See*—
Jira, Joseph W.

Control Corporation, assignee: *See*—
Seymour, Charles E.

Copson, Ernest D., and R. J. Taylor, Claymont, assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for spinning artificial filamentous products. 2,457,350, Dec. 28.

Corning Glass Works, assignee: *See*—
Hyde, James F.

Costakos, Theodore M., Minneapolis, Minn. Measuring valve. 2,457,531, Dec. 28.

Crane, Carl J., and G. V. Holloman, Dayton, C. W. Muller, Osborn, and R. K. Stout, Dayton, Ohio. Blind flying and blind landing system for aviation flight trainers. 2,457,130, Dec. 28.

Crane Packing Company, assignee: *See*—
Solari, Archie J.

Cread Engineering and Research Company, assignee: *See*—
Grosser, Christian E.

Cresco Manufacturing Company, assignee: *See*—
Enck, Charles E.

Cross, Donald O., Evansville, Ind. Hair curl pin. 2,457,303, Dec. 28.

Crossman, Fred, and E. A. Southam, Cleveland,, and G. J. Ruhl, Shaker Heights, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio. Needle grinder. 2,457,644, Dec. 28.

Crowe, John M., Covington, Ky. Atomizing fuel burner with cooling jacket. 2,457,304, Dec. 28.

Crowe, Orley J.: *See*—
Hall, William J., and Crowe.

Crowley, Robert, North Quincy, Mass. Golf training and recording apparatus. 2,457,351, Dec. 28.

Cudahy Packing Company, assignee: *See*—
Shipner, John R.

Cummings, William W., Bradford, Vt. Fruit sectionizer. 2,457,645, Dec. 28.

Cunningham, Frederick W., Stamford, Conn., assignor to Arma Corporation, Brooklyn, N. Y. Gun control compensating mechanism. 2,457,532, Dec. 28.

Curran, Fred J.: *See*—
Wild, Rudolf F., and Curran.

Curtis, Richard C., Short Hills, N. J., assignor to Faximile, Inc., New York, N. Y. Facsimile overload control with non-linear resistance in output. 2,457,131, Dec. 28.

Curtiss-Wright Corporation, assignee: *See*—
Brady, George W.
Klein, Mathias.
Schoenbaum, Joseph R.

Cuthbert, Lowell R., assignee: *See*—
Hilliman, Lloyd A.

Cutler-Hammer, Inc., assignee: *See*—
Randall, Cyril E.

Dalby, Delbert G., assignor to Roberts Paper Company, Amarillo, Tex. Manifolding device. 2,457,448, Dec. 28.

Dale, Frank L., New York, N. Y. Artificial hand. 2,457,305, Dec. 28.

Dalferes, Anthony W., Lafayette, La. Lifting tongs. 2,457,646, Dec. 28.

Davidson, William D., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Brake drum assembly. 2,457,352, Dec. 28.

Davis, John V., and J. S. Hoffman, assignors to The Udylite Corporation, Detroit, Mich. Filter. 2,457,449, Dec. 28.

Davis, Raymond R., assignor to Paragon Revolute Corporation, Rochester, N. Y. Quartz lamp assembly. 2,457,353, Dec. 28.

Deere & Company, assignee: *See*—
Johnson, Eric J.

Dehuff, Walter F., Glen Rock, Pa., assignor to American Machine & Foundry Company. Vertical mixer. 2,457,533, Dec. 28.

Delters, August M., assignor to Southern Wood Preserving Company, Atlanta, Ga. Grapple. 2,457,135, Dec. 28.

Delaney, Harry W., Chicago, Ill., assignor, by mesne assignments, to Republic Drill & Tool Company. Manufacturing twist drills. 2,457,132, Dec. 28.

Deloraine, Edmond M., assignor to International Standard Electric Corporation, New York, N. Y. Fragmentary character printer. 2,457,133, Dec. 28.

De Luca, Roberta: *See*—
Roberts, David S., and De Luca.

De Marco, Joseph A., Brooklyn, N. Y. Button blank feeding attachment. 2,457,534, Dec. 28.

Dennis, Paul A.: *See*—
Van Dyke, William D., and Dennis.

De Smet, Edgard C., and J. W. Dickason, assignors to Willys-Overland Motors, Inc., Toledo, Ohio. Motor vehicle lighting. 2,457,211, Dec. 28.

Dewas, Raymond, Amiens, France. Yarn tensioning device. 2,457,450, Dec. 28.

Dial, James M., Dayton, Ohio. Subcaliber attachment for guns. 2,457,354, Dec. 28.

Dickason, John W.: *See*—
De Smet, Edgard C., and Dickason.

Dickens, Richard G., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,457,213, Dec. 28.

Diethert, Russell S., Chicago, Ill., assignor to Northwest Plastics, Inc., St. Paul, Minn. Electrical terminal bushing. 2,457,535, Dec. 28.

Di Toro, Michael J., Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Time-delay network. 2,457,212, Dec. 28.

Dittmar, William W., Williamsport, Pa. Merry-go-round. 2,457,355, Dec. 28.

Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Making rubber articulated joints. 2,457,647, Dec. 28.

Doelz, Melvin L., Cedar Rapids, Iowa, assignor to Collins Radio Company. Radio system for transmission and reception on the same frequency. 2,457,134, Dec. 28.

Doggett, David L., Mount Kisco, and W. Schier, Forest Hills, assignors to Hofstatter's Sons, Inc., Long Island City, N. Y. Convertible refreshment bar and partitioning screen. 2,457,536, Dec. 28.

Doll, Henri-Georges, and G. K. Miller, assignors to Schlumberger Well Surveying Corporation, Houston, Tex. Recording device. 2,457,214, Dec. 28.

Domack, Lawrence C., Elmwood Park, Ill. Making internal wrenching tools. 2,457,451, Dec. 28.

Donner, Verne P., Palatine, assignor to Mid-Continent Metal Products Co., Chicago, Ill. Pipe coupling. 2,457,648, Dec. 28.

Douglas Aircraft Company, Inc., assignee: *See*—
Van Dyke, William D., and Dennis.

Douglas, H. A., Mfg. Co., assignee: *See*—
Penfold, Charles S.

Douglass, Porter D., Oakland, Calif. Motor vehicle front wheel lubrication device. 2,457,537, Dec. 28.

Dow Chemical Company, The, assignee: *See*—
Graham, Joseph P., and Hearns.

Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Machine for operating on heddles. 2,457,649, Dec. 28.

Dreyfus, Henry, London, England; C. Bonard, administrator of said Henry Dreyfus, deceased, assignor to Celanese Corporation of America. Synthetic polymers of hexadiue-1,5. 2,457,306, Dec. 28.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Puckette, Charles M., Jr.

Dunlap, Henry L., Dearborn, Mich. Softball kit. 2,457,454, Dec. 28.

Dunlop Rubber Company Limited, assignee: *See*—
Butler, Henry J.

Dunn, Martin G., Washington, D. C. Lithographic plate graining machine. 2,457,452, Dec. 28.

Dunn, Martin G., Washington, D. C. Multiple clamp for lithographic plate graining machines. 2,457,453, Dec. 28.

Dunn, Roland H.: *See*—
McWhirter, Eric M. S., and Dunn.

Dunsford, Ernest G.: *See*—
Osborne, Ronald R., and Dunsford.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Brooks, Richard E.
Clark, William B.
Gresham, William F.
Gresham, William F., and Grigsby.
Gribbins, Myers F.
Hanford, William E., and Roland.
Hoffman, Raymond A.
Koch, Daniel O.
Moore, Maryalice C.
Pinkney, Paul S.
Salzberg, Paul L., and Signaigo.
Scott, Samuel L.
Trepagnier, Joseph H.

Dupre, Henry P., New York, N. Y., assignor to Burndy Engineering Company, Inc. Crimping tool. 2,457,538, Dec. 28.

Durakool, Inc., assignee: *See*—
Keating, John P., and Weimer.

Durex Products, Inc., assignee: *See*—
Clark, Joseph F.

Dyson, Louis M., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,457,650, Dec. 28.

Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for frequency measurements. 2,457,136, Dec. 28.

Earp, Charles W., and C. E. Strong, London, W. C. 2, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Ultra high frequency system. 2,457,137, Dec. 28.

Eash, John T., Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Gas welding rod. 2,457,215, Dec. 28.

Eaton, Lewis B., and R. W. Vergobbi, assignors to Pneumatic Scale Corporation, Limited, Quincy, Mass. Producing infusion bags with nontangling handles. 2,457,216, Dec. 28.

Eaves, Hubert, San Mateo, and P. D. Williams, Palo Alto, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube and making the same. 2,457,651, Dec. 28.

Ebaugh, Paul, Cambridge, Mass., assignor to Owens-Corning Fiberglas Corporation. Manufacture of glass fibers. 2,457,775, Dec. 28.

Eclipse Fuel Engineering Co., assignee: *See*—
Solem, Robert H.

Eisele, Logan, Nashville, Tenn. Clinical thermometer. 2,457,455, Dec. 28.

Eitel-McCullough, Inc., assignee: *See*—
Eaves, Hubert, and Williams.

Electric & Musical Industries Limited, assignee: *See*—
Bull, Cabot S.

Electronized Chemicals Corporation, assignee: *See*—
Brasch, Arno.

Elliott, John R.: *See*—
Krieble, Robert H., and Elliott.

Elliott, John R., and R. H. Krieble, Schenectady, N. Y., assignors to General Electric Company. Treatment of chloromethyl-substituted polysiloxanes. 2,457,539, Dec. 28.

Empire Box Corporation, assignee: *See*—
Hall, Maynard G., and Hurban.

Emsco Derrick & Equipment Company, assignee: *See*—
Davidson, William D.

Enck, Charles E., assignor to Cresco Manufacturing Company, Ashland, Ohio. Jacket with biswing gusset in front and in back. 2,457,356, Dec. 28.

Engel, James E.: *See*—
Rodman, Francis C., and Engel.

Ernst, Max, Wiesendangen, Switzerland. Dual fountain pen. 2,457,217, Dec. 28.

Escoffery, Charles A., and W. H. Hawk, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier. 2,457,138, Dec. 28.

Everhart, Arbor G.: *See*—
Busignies, Henri G., Clark, and Everhart.

Ex-Cell-O Corporation, assignee: *See*—
Taylor, Milton C.

Fageol Company, R. D., assignee: *See*—
Leibing, William E.

Fairey Aviation Company Limited, The, assignee: *See*—
Smith-Pert, George J., and Forsyth.

Falk Corporation, The, assignee: *See*—
Bade, Alfred G.
Nolde, Arthur H.

Fanal Licht A.-G., assignee: *See*—
Reichinstein, David.

Farnsworth Research Corporation, assignee: *See*—
Cawein, Madison.
Stagnaro, John A.

Fasoldt, Dudley F., Prospect Heights, Rensselaer, N. Y. Device for slitting the sheath of a cable. 2,457,540, Dec. 28.

Faximile, Inc., assignee: *See*—
Curtis, Richard C.

Federal Telecommunication Laboratories, Inc., assignee: *See*—
Parker, Louis W.

Federal Telephone and Radio Corporation, assignee: *See*—
Busignies, Henri G., Clark and Everhart.
Chesus, Frank O.
Chesus, Frank O., and Thomas.
Churnell, Frank J.
Escoffery, Charles A., and Hawk.
Frankel, Sidney.
Goodale, Lynn C.
Miller, Arthur J., and Fleisher.
Newitt, John H.
Preisman, Albert.
Richardson, Avery G., and Clark.
Stateman, Murray J.

Fenn, James E., Baldwin, N. Y. Novel adhesive product and making same. 2,457,357, Dec. 28.

Ferrell, Enoch B., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacturing sealed contact devices. 2,457,218, Dec. 28.

Fife, Harvey R., Mount Lebanon, Pa., and W. J. Tousaint, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Esters of polyoxyalkylene diols. 2,457,139, Dec. 28.

Fink, Jean: *See*—
McCaslin, James F., and Fink.

Fischer, Albert C., Chicago, Ill. Sponge rubber garment product. 2,457,219, Dec. 28.

Fisher, James B., assignor to Waukesha Motor Company, Waukesha, Wis. Internal-combustion engine. 2,457,652, Dec. 28.

Flaugher, John H., Tiffin, Ohio. Sinker for deep-sea and beach fishing. 2,457,358, Dec. 28.

Fleisher, Julius W.: *See*—
Miller, Arthur J., and Fleisher.

Flexitallic Gasket Company, assignee: *See*—
Lippincott, Stanley S.

Flint & Walling Manufacturing Co., Inc., assignee: *See*—
Lung, Kenneth R.

Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Portable pin grinding machine. 2,457,359, Dec. 28.

Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening construction. 2,457,360, Dec. 28.

Flora, Russell T.: *See*—
Hobart, Edward A., and Flora.

Flory, Leslie E., Princeton, N. J., assignor to Radio Corporation of America. Reading aid for the blind. 2,457,456, Dec. 28.

Ford Motor Company, assignee: *See*—
Roberts, Albert O., and Wharam.

Forsyth, Archibald G.: *See*—
Smith-Pert, George J., and Forsyth.

Foulds, Neil M.: *See*—
Wolf, Cecil, and Foulds.

Fowler, Chester C., Evanston, and G. T. Clark, Chicago, Ill., assignors to Lanteen Medical Laboratories, Inc. Tablet counting apparatus. 2,457,220, Dec. 28.

Fox, Charles W.: *See*—
Larson, Albert H., and Fox.

Fram Corporation, assignee: *See*—
Burley, George E.

Francis, Howard T.: *See*—
Herbert, William S., and Francis.

Frankel, Sidney, Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Voltage control circuit. 2,457,140, Dec. 28.

Frantz Manufacturing Company, assignee: *See*—
Wolf, Cecil, and Foulds.

Freeman, Joel G., Mount Vernon, assignor to Pharmaceutical Organics Inc., New York, N. Y. Preparing double salts of ascorbosalicylate. 2,457,141, Dec. 28.

Fréjacques, Jean L. M., assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Treating bituminous shales. 2,457,457, Dec. 28.

French, Edward A., Chicago, Ill., assignor to Birtman Electric Company. Fan for suction cleaners. 2,457,142, Dec. 28.

Frewin, Kenneth M.: *See*—
Campbell, Edward R., Frewin, Lennox, and Morris.

Froelich, George E., Two Rivers, Wis. Knockapart toy. 2,457,653, Dec. 28.

Fruit Growers Express Company, assignee: *See*—
Thompson, Clifford J.

Fulton, Lyle W.: *See*—
Baysinger, Royal D., and Fulton.

Furer, Edward: *See*—
Shea, Robert P.

Furkert, Ernst A., Chicago, Ill. Flame hardening apparatus. 2,457,654, Dec. 28.

Gadwa, Truman A., Mount Vernon, assignor to The Luminus Company, New York, N. Y. Styrene distillation. 2,457,361, Dec. 28.

Garner, Herman H., assignee: *See*—
Russell, Kenneth F.

Geigy, A. G., J. R., assignee: *See*—
Hirt, Rudolf, Gysin, and Martin.

General Aniline & Film Corporation, assignee: *See*—
Grosser, Frederick.
Sweet, Monroe H.
Trump, Frederick O.

General Electric Company, assignee: *See*—
Baumann, Frederick W.
Bias, Frank J.
Elliott, John R., and Krieble.
Krieble, Robert H., and Elliott.
Mayer, Harry F.
Walle, Ludwig S.

General Motors Corporation, assignee: *See*—
Martin, Edward J., and Sargeant.
Stevens, Clarence C.

General Railway Signal Company, The, assignee: *See*—
Merkel, Joseph F.
Taylor, Herbert.

General Refractories Company, assignee: *See*—
Boyd, William H.

General Telephone Corporation, assignee: *See*—
Bartelink, Everhard H. B.

General Tire & Rubber Company, The, assignee: *See*—
Dodge, Howard M.
Neher, Eldon P.
Thiry, Leon F.

General X-Ray Corporation, assignee: *See*—
Atlee, Zed J.

Germain, Joseph F. L. M.: *See*—
Morrison, George O., Lossing, Heatley, and Germain.

Gifford, Robert A., Memphis, Tenn. Hydraulic scale mechanism. 2,457,655, Dec. 28.

Giglio, Antonio J., Providence, R. I., assignor to Premier Thread Company. Apparatus for cooling sewing-machine needles. 2,457,362, Dec. 28.

Gilcrest, Leo J., Cyrus, Minn. Ice-cream packer. 2,457,541, Dec. 28.

Gill, Emerson C.: *See*—
Goodhue, William V., and Gill.

Gilliver, Gilbert, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric soldering iron. 2,457,143, Dec. 28.

Girard, Edmond P., Geneva, Switzerland. Rotary compressor sealing means. 2,457,221, Dec. 28.

Girod, Clyde A., Winona, Minn. Speed device. 2,457,458, Dec. 28.

Gitchel, Wayne B.: *See*—
Arvin, James A., and Gitchel.

Givens, Horace T. F., East Orange, and R. M. Herbst, Short Hills, assignors to E. Bilhuber, Inc., Orange, N. J. Aliphatic amino alcohols and medicinal preparations thereof. 2,457,656, Dec. 28.

Gjertsen, Ole K., New York, N. Y. Sock support. 2,457,363, Dec. 28.

Glick, Sanford E., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerizable composition. 2,457,657, Dec. 28.

Globe American Corporation, assignee: *See*—
Tolley, Donald B.

Gloor, Karl, Zurich, Switzerland. Press for the covering of electrode rods. 2,457,459, Dec. 28.

Gluckman, Maxfield, Jackson Heights, N. Y. Desk tray. 2,457,364, Dec. 28.

Golden, Victor, Chatham, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Thickening latex. 2,457,542, Dec. 28.

Goldlust, Harry, New York, N. Y. Garment hanger. 2,457,776, Dec. 28.

Goldsmith, Elsworth H., New York, N. Y., R. V. Terry, Maplewood, N. J., and J. W. Schaefer, Philadelphia, Pa., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Optical sighting device having reflector means for tracking movable objects. 2,457,543, Dec. 28.

Goodale, Harold R., Bristol, Conn. Toys, more particularly toy merry-go-round. 2,457,460, Dec. 28.

Goodale, Lynn C., Newark, N. J., assignor to Federal Telephone and Radio Corporation. Sealing metal glass. 2,457,144, Dec. 28.

Goodhue, William V., East Greenwich, R. I., and E. C. Gill, Saugus, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Safety device for breech loading guns. 2,457,222, Dec. 28.

Goodman Manufacturing Company, assignee: *See*—
Sloane, William W.
Graae, Johan E. A., assignor to The Lummus Company, New York, N. Y. Catalyst feeder. 2,457,461, Dec. 28.
Graham, David P., Westbury, assignor to Peabody Engineering Corporation, New York, N. Y. Gas and liquid contact apparatus. 2,457,658, Dec. 28.
Graham, Joseph P., and H. L. Hearns, assignors to The Dow Chemical Company, Midland, Mich. Apparatus for high-speed welding of thermoplastic films. 2,457,659, Dec. 28.
Graham, Robert P.: *See*—
Maclay, William D., Shepherd, McCready, and Graham.
Granite City Steel Company, Inc., assignee: *See*—
Veeder, Nicholas P.
Gray, Frank, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Mounting for piezoelectric crystals. 2,457,145, Dec. 28.
Gray, Mex, New York, N. Y. Trousers. 2,457,462, Dec. 28.
Great Lakes Steel Corporation, assignee: *See*—
Hall, William J.
Hall, William J., and Crowe.
Green, Clyde H., Macedonia, Ohio. Pivoted outer-jaw pipe wrench. 2,457,223, Dec. 28.
Greenan, Wirt G., Revere, Mass. Making safety shoes. 2,457,463, Dec. 28.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Succinic ester synthesis. 2,457,111, Dec. 28.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polydioxolane. 2,457,224, Dec. 28.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of acrylates. 2,457,225, Dec. 28.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of choline chloride. 2,457,226, Dec. 28.
Gresham, William F., Lindamere, and W. E. Grigsby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N-tertiary alkyl amides and preparing same. 2,457,660, Dec. 28.
Gribbins, Myers F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of fats and oils. 2,457,227, Dec. 28.
Griebat, Herman, Lodi, Calif. Vehicle wheel. 2,457,365, Dec. 28.
Grigsby, William E.: *See*—
Gresham, William F., and Grigsby.
Grose, Joseph, assignee: *See*—
Grose, Leo L.
Grose, Leo L., Attica, assignor of twenty-five per cent to J. Grose, Niagara Falls, N. Y. Surgical instrument. 2,457,464, Dec. 28.
Grosser, Christian E., Warwick, assignor, by mesne assignments, to Cread Engineering and Research Company, Cranston, R. I. Variable displacement gear pump. 2,457,465, Dec. 28.
Grosser, Frederick, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polymerizing vinyl alkyl ethers. 2,457,661, Dec. 28.
Grote, Henry W., Downers Grove, R. L. Swoope, Berwyn, and C. S. Brearley, Jr., Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Producing high boiling polymers. 2,457,146, Dec. 28.
Guardlite Corporation, assignee: *See*—
Baer, John M.
Guerin, Paul R., East Cleveland, assignor to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,457,366, Dec. 28.
Gulf Research & Development Company, assignee: *See*—
Coggeshall, Norman D., and Kerr.
McCarthy, Paul R.
Gysin, Hans: *See*—
Hirt, Rudolf, Gysin, and Martin.
Haase, Wilbert W., assignor to Wilbert Manufacturers Association, Forest Park, Ill. Burial apparatus. 2,457,671, Dec. 28.
Hale, Ralph F., Claremont, N. H., assignor to Joy Manufacturing Company. Axially engaging friction clutch. 2,457,367, Dec. 28.
Hall, Maynard G., Rutherford, and T. Hurban, Jr., Hasbrouck Heights, assignors to Empire Box Corporation, Garfield, N. J. Bottle carrier. 2,457,307, Dec. 28.
Hall, Maynard G., Rutherford, and T. Hurban, Jr., Hasbrouck Heights, assignors to Empire Box Corporation, Garfield, N. J. Bottle carrier. 2,457,308, Dec. 28.
Hall, William J., assignor, by mesne assignments, to Great Lakes Steel Corporation, Detroit, Mich. Beam. 2,457,147, Dec. 28.
Hall, William J., and O. J. Crowe, Detroit, Mich., assignors to Great Lakes Steel Corporation. Structural beam. 2,457,148, Dec. 28.
Hallberg, Olaf I. E.: *See*—
Chadwick, Vincent.
Hamilton, Joe W., West Los Angeles, Calif. Bookmarker. 2,457,662, Dec. 28.
Hamilton Watch Company, assignee: *See*—
Bennett, William O., Jr.
Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Protective system. 2,457,663, Dec. 28.
Handwerk, Erwin C.: *See*—
Mahler, George T., and Handwerk.
Handwerk, Erwin C., G. T. Mahler, and H. C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,544, Dec. 28.
Handwerk, Erwin C., G. T. Mahler, and H. C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,545, Dec. 28.
Handwerk, Erwin C., G. T. Mahler, and H. C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,546, Dec. 28.
Handwerk, Erwin C., G. T. Mahler, and H. C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Internally cooled zinc condenser. 2,457,547, Dec. 28.
Handwerk, Erwin C., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,548, Dec. 28.
Handwerk, Erwin C., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Apparatus for condensing zinc vapor. 2,457,549, Dec. 28.
Handwerk, Erwin C., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Vertical retort process for zinc smelting. 2,457,552, Dec. 28.
Handwerk, Erwin C., G. T. Mahler, and H. C. Haupt, Palmerton, N. J., assignors to The New Jersey Zinc Company, New York, N. Y. Melting zinc dust. 2,457,553, Dec. 28.
Hanford, William E., Easton, Pa., and J. R. Roland, assignors to E. I. du Pont de Nemours Company, Wilmington, Del. High molecular weight products of ethylene. 2,457,229, Dec. 28.
Hanna, Atto N., Atlantic Highlands, N. J. Hand-operated abrader. 2,457,466, Dec. 28.
Hanna, Clinton R., Pittsburgh, and L. B. Lynn, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Leveling and training mechanism. 2,457,228, Dec. 28.
Hanson, Newell B., Lake Lillian, Minn. Concrete block machine. 2,457,368, Dec. 28.
Harbison-Walker Refractories Company, assignee: *See*—
Young, Clair I.
Harding, Harry C., Trucksville, Pa. Helmet. 2,457,554, Dec. 28.
Harjes, Albert C., Flushing, N. Y. Trick electrical lamp with secret operation. 2,457,665, Dec. 28.
Harjes, Albert C., Flushing, N. Y. Trick electrical lamp with secret operation. 2,457,666, Dec. 28.
Harjes, Albert C., Flushing, N. Y. Trick electrical lamp with secret operation. 2,457,667, Dec. 28.
Harman, Bernice, Flushing, N. Y. Brassière. 2,457,369, Dec. 28.
Harmon, Robert R., Charlottesville, Va., assignor to Peabody Engineering Corporation, New York, N. Y. Gas scrubber. 2,457,667, Dec. 28.
Harnischfeger Corporation, assignee: *See*—
Perrier, Charles F.
Harris, Loyal E., assignee: *See*—
Chambers, Paul A.
Harrison, Raymond B., Arlington, Mass. Safety shoe. 2,457,664, Dec. 28.
Harshaw Chemical Company, assignee: *See*—
Pine, Paul R., and Ray.
Harshbarger, Walter J., New York, N. Y., and D. R. Putt, Jersey City, N. J., assignors to R. Cole, New York, N. Y. Automatic electronic aircraft flight control or pilot. 2,457,230, Dec. 28.
Hart, Carl R., New Haven, Ind. Automatic phonograph. 2,457,668, Dec. 28.
Hart, Raymond S., Brooklyn, N. Y. Static suppressor for moisture meters. 2,457,669, Dec. 28.
Hartford National Bank and Trust Company, The, assignee: *See*—
Van der Ven, Adrianus J. H.
Hartman, Milton V., Chicago, Ill., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Electrically and hydraulically operated extensible strut. 2,457,467, Dec. 28.
Harvey, Leaman S., Waterbury, Conn. Golf ball tee. 2,457,670, Dec. 28.
Haupt, Harry C.: *See*—
Handwerk, Erwin C., Mahler, and Haupt.
Hawk, Walter H.: *See*—
Escoffery, Charles A., and Hawk.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Mold construction. 2,457,370, Dec. 28.
Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Paul E.
Haworth, Francis E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for orienting quartz crystals by X-rays. 2,457,555, Dec. 28.
Hazeltine Research, Inc., assignee: *See*—
Di Toro, Michael J.
Hurst, William M.
Hearns, Harold L.: *See*—
Graham, Joseph P., and Hearns.
Heatley, Albert H.: *See*—
Morrison, George O., Lossing, Heatley, and Germain.
Heinemann, Heinz: *See*—
Krieger, Knut A., and Heinemann.

Heinemann, Heinz, Upper Darby, and K. A. Krieger, assignors to Attapulgus Clay Company, Philadelphia, Pa. Regeneration of synthetic metal silicate adsorbents by oxidation. 2,457,556, Dec. 28.
Henderson, William F., Colfax, Wash. Wrecking bar. 2,457,231, Dec. 28.
Hengstebeck, Robert J., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,457,232, Dec. 28.
Henshaw, Charles N., Plattsburg, assignor, by mesne assignments, to Pal Blade Co. Inc., New York, N. Y. Blade wrapping machine. 2,457,233, Dec. 28.
Herbert, William S., Madison, Wis., and H. T. Francis, Chicago, Ill., assignors to Armour Research Foundation of Illinois Institute of Technology. Apparatus for electrolytically determining the thickness of metal coatings. 2,457,234, Dec. 28.
Herbst, John A., Pompton Lakes, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Selective signaling circuit. 2,457,149, Dec. 28.
Herbst, Robert M.: *See*—
Givens, Horace T. F., and Herbst.
Hercik, Lad L., Lakewood, Ohio. Method of and apparatus for correcting deviations in crossrails of machine tools. 2,457,468, Dec. 28.
Herman, Arthur, Brooklyn, N. Y. Earring. 2,457,672, Dec. 28.
Herondelle, Guy L. H., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Gyroscope system. 2,457,150, Dec. 28.
Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave gas analysis. 2,457,673, Dec. 28.
Hester, Levi C., Jacksonville, Fla. Disk plow. 2,457,151, Dec. 28.
Heuberger, John W., Newark, Del., assignor to Röhm & Haas Company, Philadelphia, Pa. Fungicidal compositions. 2,457,674, Dec. 28.
Higginson, George S., Ilford, assignor of one-half to G. S. M. Ashby, Hermitage, England. Projector for liquid and pulverulent or small material. 2,457,557, Dec. 28.
Hillman, Lloyd A., Bay City, assignor of one-half to L. R. Cuthbert, Essexville, Mich. Chip breaker. 2,457,469, Dec. 28.
Hinds, Robert L., Toledo, Ohio. Electrode control. 2,457,675, Dec. 28.
Hirt, Rudolf, Riehen, H. Gysin, and H. Martin, assignors to J. R. Geigy A. G., Basel, Switzerland. Acylated p-aminobenzene sulfonamides. 2,457,371, Dec. 28.
Hlavin, William S.: *See*—
Sigmund, Frank J., and Hlavin.
Hobart Brothers Company, The, assignee: *See*—
Hobart, Edward A., and Flora.
Hobart, Edward A., and R. T. Flora, assignors to The Hobart Brothers Company, Troy, Ohio. Alternating current vertical welder. 2,457,372, Dec. 28.
Hoehn, Karl, Canton, Ohio. Connector for electric receptacles. 2,457,235, Dec. 28.
Hoffman, John S.: *See*—
Davis, John V., and Hoffman.
Hoffman, Raymond A., Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodepositing composition and bath. 2,457,152, Dec. 28.
Hofstatter's Sons, Inc., assignee: *See*—
Doggett, David L., and Schler.
Hokett, William G., Phoenix, Ariz. Vehicular motion-picture camera. 2,457,236, Dec. 28.
Holley, Earl, assignee: *See*—
Orr, Andrew W., Jr.
Holley, George M., assignee: *See*—
Orr, Andrew W., Jr.
Holloman, George V.: *See*—
Crane, Carl J., Holloman, Mueller, and Stout.
Holmes, Ralph S., Princeton, N. J., assignor to Radio Corporation of America. Frequency measuring circuit. 2,457,676, Dec. 28.
Holtschulte, William F., Newark, and S. D. Phillpps, Granville, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Apparatus for guiding and threading fibers. 2,457,777, Dec. 28.
Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Measuring and control system. 2,457,558, Dec. 28.
Houdaille-Hershey Corporation, assignee: *See*—
Johnson, Bernard C.
Houghton, Leslie W.: *See*—
Chatterjea, Prafulla, Kumar, and Houghton.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Apparatus for producing filled bags. 2,457,237, Dec. 28.
Howle, Ernest O., Chicago, Ill. Insulated chimney. 2,457,470, Dec. 28.
Howle, Ernest O., Chicago, Ill. Chimney construction. 2,457,471, Dec. 28.
Hubbell, Harvey, Long Hill, Conn. Sealed switch. 2,457,153, Dec. 28.
Huber, George H., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeater for pulse communication system. 2,457,559, Dec. 28.
Huber, J. M., Corporation, assignee: *See*—
Williams, Ira. and Carlton.
Hufferd, George H., and G. O. R. Lindgren, assignors to The Weatherhead Company, Cleveland, Ohio. Packless globe valve. 2,457,472, Dec. 28.
Hummel & Downing Company, assignee: *See*—
Wenzel, Frederick W.
Hunt, Robert A.: *See*—
Tollefsen, Reidar A., and Hunt.
Hunter, Charles H. S., Trona, Calif. Removable bracket. 2,457,373, Dec. 28.
Hunter, Edward, and R. B. Richards, Northwich, England, assignors to Imperial Chemical Industries Limited. Fractionation of polymeric ethylene. 2,457,238, Dec. 28.
Hunter, James H., Bridgeport, Conn., assignor to Columbia Records Inc. Phonograph record. 2,457,154, Dec. 28.
Hurban, Thomas, Jr.: *See*—
Hall, Maynard G., and Hurban, Jr.
Hurst, William M., Douglaston, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Tuning control mechanism. 2,457,374, Dec. 28.
Hutchings, Brian L., Montvale, N. J., assignor to American Cyanamid Company, New York, N. Y. Purification of pteroic acid amides. 2,457,375, Dec. 28.
Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes and making them. 2,457,677, Dec. 28.
Imperial Chemical Industries Limited, assignee: *See*—
Hunter, Edward, and Richards.
Incampo, Giuseppe, West Point, N. Y. Water absorber for clarinets and the like. 2,457,473, Dec. 28.
Interchemical Corporation, assignee: *See*—
Bernardi, Dominic J.
International Detrola Corporation, assignee: *See*—
Johnson, Fleming W.
International Nickel Company, Inc., The, assignee: *See*—
Eash, John T.
International Standard Electric Corporation, assignee: *See*—
Abercrombie, David J., Brettingham-Moore, and Muscio.
Ashford, James L.
Bour, Paul L.
Deloraine, Edmond M.
Earp, Charles W.
Earp, Charles W., and Strong.
Gilliver, Gilbert.
Gray, Frank.
Herbst, John A.
Herondelle, Guy L. H.
McWhirter, Eric M. S., and Dunn.
Taylor, Frank H.
Isacco, Vittorio, London, England. Aircraft with rotatable sustaining blades. 2,457,376, Dec. 28.
Jackson, Robert A., Tulsa, Okla., assignor to Chicago Bridge & Iron Company. Vent, overflow, and ladder unit, for storage tanks. 2,457,155, Dec. 28.
Jameson, William L., and F. L. Rogers, San Jose, Calif. Locking means for dividers. 2,457,474, Dec. 28.
Jansen, Eugene F., and Hans Lineweaver, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Pectic enzyme preparations fortified with pectinesterase. 2,457,560, Dec. 28.
Jeffrey Manufacturing Company, The, assignee: *See*—
Lee, Arthur L.
Jensen, Bergitte A.: *See*—
Peacock, Arnold L., and Jensen.
Jenson, Kenneth S., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Space heater and control means therefor. 2,457,377, Dec. 28.
Jewell, Raymond L.: *See*—
Owens, Neal, and Jewell.
Jira, Joseph W., Newburgh Heights, Ohio, assignor to Continental Carbon, Inc. Resistor and making. 2,457,678, Dec. 28.
Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Evaporator unit. 2,457,561, Dec. 28.
Johnson, Eric J., assignor to Deere & Company, Moline, Ill. Thresher concave with rubber threshing bars. 2,457,680, Dec. 28.
Johnson, Fleming W., assignor to International Detrola Corporation, Detroit, Mich. Method of and device for wrapping wire on terminals. 2,457,475, Dec. 28.
Johnson & Johnson, assignee: *See*—
Ross, Samuel L.
Johnson, Roy W., and C. E. Zarwell, assignors to Automatic Products Company, Milwaukee, Wis. Gas control valve. 2,457,378, Dec. 28.
Johnson, S. C., & Son, Inc., assignee: *See*—
Bunn, Fred H.
Jones, Burr W., Rochester, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,457,239, Dec. 28.
Jones, John J., Collingdale, Pa. Sliding focal plane shutter for cameras. 2,457,679, Dec. 28.
Jones, John P., Toronto, Ontario, Canada. Manufacturing diamond studded tools. 2,457,156, Dec. 28.
Jørgensen, Axel. Aalborg, Denmark. Commodity delivery device for coin-freed apparatus. 2,457,778, Dec. 28.
Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shield for gun mounts. 2,457,240, Dec. 28.

Joy Manufacturing Company, assignee: *See*—
Hale, Ralph F.
Joyce, Atha-Lane, Washington, D. C. Changeable decorative fabric. 2,457,309, Dec. 28.
Judelshon, David N., Park Ridge, N. J. Cutting machine. 2,457,310, Dec. 28.
Justrite Manufacturing Company, assignee: *See*—
Olsen, Marvin R.
K & B Manufacturing Co., assignee: *See*—
Blake, William P.
Kaiser-Frazer Corporation, assignee: *See*—
McCaslin, Henry C.
Kallenbach, Irene, Dayton, Ohio, assignor to V. J. Kallenbach, Erie, Pa. Incision needle. 2,457,379, Dec. 28.
Kallenbach, Vern J., assignee: *See*—
Kallenbach, Irene.
Kaplan, William, assignor to Wilbe Research Corporation, Brooklyn, N. Y. Steam sizing machine. 2,457,476, Dec. 28.
Karleen, Edward H., Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna drive mechanism. 2,457,562, Dec. 28.
Keating, John P., Elkhart, and G. L. Welmer, South Bend, assignors to Durakool, Inc., Elkhart, Ind. Time-delay plunger for relays. 2,457,681, Dec. 28.
Kelberer, Raymond J., Wolf Point, Mont. Retractable step and ramp appliance for vehicles. 2,457,380, Dec. 28.
Keller, Dan W., Chicago, Ill. Crystal mounting. 2,457,563, Dec. 28.
Kerr, Nathan F.: *See*—
Coggeshall, Norman D., and Kerr.
Kester, Arthur S.: *See*—
Christensen, Harold E., Stein, and Kester.
Kidd, Robert S., Williamsport, Pa., assignor to Avco Manufacturing Corporation. Starting and generator-driving mechanism for engines. 2,457,311, Dec. 28.
Kilholm, John B. R., Koping, Sweden. Impulse transmitting apparatus. 2,457,381, Dec. 28.
Kincaid, William S., assignor to The Roberts Brass Manufacturing Company, Detroit, Mich. Gas cock. 2,457,779, Dec. 28.
King, Alexander S., Jr., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,457,157, Dec. 28.
Kirchner, Henry P.: *See*—
Melton, Romie L., Benner, and Kirchner.
Kiser, Ross, North Tazewell, Va. Trolley wire tap. 2,457,682, Dec. 28.
Kittel, George P., West New York, and P. Wollner, Weehawken, assignors, by mesne assignments, to Aeroil Product Company, Inc., West New York, N. J. Portable burner apparatus for generating and burning hydrocarbon vapor fuel. 2,457,683, Dec. 28.
Klein, Mathias, Hawthorne, N. J., assignor to Curtiss-Wright Corporation. Coaster brake. 2,457,241, Dec. 28.
Klemp, Norman A., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Manufacture of sponge polychloroprene rubber. 2,457,684, Dec. 28.
Klepp, Edwin C., London, England, assignor to S. Smith & Sons (England) Limited. Moving-coil electric instrument. 2,457,685, Dec. 28.
Knlel, Ludwig, Jackson Heights, assignor to The Lummus Company, New York, N. Y. Prefractionation of hydrocarbon alkylate to eliminate propane. 2,457,564, Dec. 28.
Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun turret. 2,457,242, Dec. 28.
Koch, Daniel O., Rahway, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vitreous bonding compositions. 2,457,158, Dec. 28.
Koch, William H., Minneapolis, Minn. Fence repair tool. 2,457,382, Dec. 28.
Kofford, Reed S., Van Nuys, Calif. Water dispenser for poultry. 2,457,159, Dec. 28.
Kopita, Robert, Bound Brook, N. J., assignor to Peabody Engineering Corporation, New York, N. Y. Gas and liquid contact apparatus. 2,457,686, Dec. 28.
Kopitke, William H., West Hartford, assignor to Plax Corporation, Hartford, Conn. Apparatus for forming hollow articles of organic plastic material. 2,457,687, Dec. 28.
Kopp, George: *See*—
Stokes, Rupert O., and Kopp.
Kott, Leo F., Detroit, Mich. Power tool. 2,457,565, Dec. 28.
Koury, Frederic: *See*—
Metten, Herbert, and Koury.
Krafft, Frederich G., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for grinding. 2,457,383, Dec. 28.
Kramer, Clarence F., Birmingham, Mich. Weatherstrip molding. 2,457,312, Dec. 28.
Kreitner, Johann: *See*—
Nettel, Frederick, and Kreitner.
Krenz, Harry, Somers Point, assignor to Ace Glass Incorporated, Vineland, N. J. Clamp for spherical joints. 2,457,384, Dec. 28.
Krieble, Robert H.: *See*—
Elliott, John R., and Krieble.
Krieble, Robert H., and J. R. Elliott, Schenectady, N. Y., assignors to General Electric Company. Methyl siloxane gums and elastomers. 2,457,688, Dec. 28.
Krieg, Eldon L., South Whitley, Ind. Holder for fasteners. 2,457,689, Dec. 28.
Krieger, Knut A.: *See*—
Heinemann, Heinz, and Krieger.
Krieger, Knut A., Philadelphia, and H. Heinemann, Upper Darby, assignors to Porocel Corporation, Philadelphia, Pa. Regeneration of alumina adsorbents by oxidation. 2,457,566, Dec. 28.
Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Container controlled vacuumizing apparatus. 2,457,690, Dec. 28.
Kubic, Raymond R., and C. H. Nylander, McKeesport, Pa., assignors to National Tube Company. Assembling metal articles. 2,457,691, Dec. 28.
Kucera, Joseph B., Traer, Iowa. Vehicle spring. 2,457,243, Dec. 28.
Kuns, Ray F., Cincinnati, Ohio. Boat trailer. 2,457,567, Dec. 28.
Kurtz, Stewart S., Jr., Merion, and J. S. Sweely, Swarthmore, assignors to Sun Oil Company, Philadelphia, Pa. Phenol-aldehyde sealing agent and making the same. 2,457,160, Dec. 28.
La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Hydrodynamic transmission. 2,457,692, Dec. 28.
Laidlaw, William C., Pasadena, Calif. Tire deflation switch. 2,457,161, Dec. 28.
Lamson, Otis F., Seattle, Wash. Medical appliance for control of enemata. 2,457,244, Dec. 28.
Langmuir, Robert V., Schnectady, N. Y., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,457,162, Dec. 28.
Lansing, Warren S., Loveland, Colo. Plow attachment for tractors. 2,457,163, Dec. 28.
Lanteen Medical Laboratories, Inc., assignee: *See*—
Fowler, Chester C., and Clark.
La Rizza, Anthony, Revere, Mass. Fuse attachment for electric plugs. 2,457,477, Dec. 28.
Larson, Albert H., and C. W. Fox, El Dorado, Ark. Tension indicator for threads on sewing machines. 2,457,245, Dec. 28.
Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus for plural motor propulsion systems. 2,457,568, Dec. 28.
Lawrence, John G., Des Moines, Iowa. Breaking lead halter for cattle. 2,457,246, Dec. 28.
Lawshe, Walter D., assignor, by mesne assignments, to Monsanto Chemical Company, Seattle, Wash. Viscosimeter. 2,457,247, Dec. 28.
Lear, Incorporated, assignee: *See*—
Marsen, Richard A.
Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Shuttle car. 2,457,569, Dec. 28.
Leibing, William E., assignor, by mesne assignments, to R. D. Fageol Co., Detroit, Mich. Carburetor. 2,457,570, Dec. 28.
Leibing, William E., assignor, by mesne assignments, to R. D. Fageol Co., Detroit, Mich. Fuel pump. 2,457,571, Dec. 28.
Leicy, Walter K., assignor to The Burch Corporation, Crestline, Ohio. Mower attachment for tractors. 2,457,693, Dec. 28.
Lemke, George J., Rugby, N. Dak. Cabinet having pivotaly mounted bins. 2,457,248, Dec. 28.
Lennox, Frank W.: *See*—
Campbell, Edward R., Frewin, Lennox, and Morris.
Leonard, Joseph B., Detroit, Mich. Washing machine. 2,457,572, Dec. 28.
Letvin, Abe, assignor of one-half to H. Moore, Detroit, Mich. Service coupling. 2,457,478, Dec. 28.
Levenson, Solomon, Marblehead, assignor to Sylvania Electric Products Inc., Salem, Mass. Socket for gaseous discharge lamps. 2,457,780, Dec. 28.
Levin, David E., Brooklyn, assignor to I. Miller & Sons, Inc., Long Island City, N. Y. Shoe with sheath form of upper. 2,457,573, Dec. 28.
Lewis, Earle B., Southington, Conn. Blackening copper alloys. 2,457,480, Dec. 28.
Lewis, Fred G., Charleston, W. Va. Awning. 2,457,574, Dec. 28.
Lewit, Joseph, Washington, D. C. Universal reduction gear transmission. 2,457,385, Dec. 28.
Liebscher, Arthur, Philadelphia, Pa., assignor to Radio Corporation of America. Voltage indicator. 2,457,575, Dec. 28.
Lindae, Eola, assignee: *See*—
Lindae, William H., and Strachan.
Lindae, William H., St. Louis, Mo., and B. W. Strachan, New York, N. Y.; said Lindae assignor of one-fourth to E. Lindae and one-fourth to J. P. Pohrer. Antenna disconnecting switch. 2,457,386, Dec. 28.
Lindgren, George O. R.: *See*—
Hufferd, George H., and Lindgren.
Lindsay Wire Weaving Company, The, assignee: *See*—
Crossman, Fred, Southam, and Ruhl.
Lineweaver, Hans: *See*—
Jansen, Eugene F., and Lineweaver.
Lippincott, Stanley S., Palmyra, assignor to Flexitallic Gasket Company, Camden, N. J. Spiral wound gasket. 2,457,694, Dec. 28.
Lipschitz, Sidney K., New York, N. Y. Toy. 2,457,249, Dec. 28.

Lipuma, Charles E., Chicago, Ill., assignor to Zenith Radio Corporation. Sunshade mounting. 2,457,479, Dec. 28.
Liskow, Charles L., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency apparatus for inspection of sheet and other materials. 2,457,695, Dec. 28.
Littrell, John G., San Antonio, Tex. Airplane propeller and means for adjusting same. 2,457,576, Dec. 28.
Locker, James R., Warrington, England. Conveyance of fluent materials. 2,457,387, Dec. 28.
Lockhart, Marshall L., Rutherford, N. J. Hypodermic syringe. 2,457,313, Dec. 28.
Lord, Harold W.: *See*—
Blas, Frank J., and Lord.
Lord Manufacturing Company, assignee: *See*—
Strachovsky, Nikita B.
Lossing, Frederick P.: *See*—
Morrison, George O., Lossing, Heatley, and Germain.
Lukes, George E., and R. C. Swann, Skokie, assignors to The Pure Oil Company, Chicago, Ill. Synthesis of unsaturated ketones. 2,457,696, Dec. 28.
Lum, George P., assignor to Bendix Aviation Corporation, South Bend, Ind. Screw locking means. 2,457,697, Dec. 28.
Lummus Company, The, assignee: *See*—
Gadwa, Truman A.
Graae, Johan E. A.
Kniel, Ludwig.
Lung, Kenneth R., assignor to Flint & Walling Manufacturing Co. Inc., Kendallville, Ind. Injector-impeller pump. 2,457,388, Dec. 28.
Lutz, Frederick G., Moorestown, N. J., and C. P. O'Rourke, Sharon Hill, Pa. Clip for attaching decorations and medals. 2,457,164, Dec. 28.
Lynn, Lawrence B.: *See*—
Hanna, Clinton R., and Lynn.
Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Rotary screw wheel device. 2,457,314, Dec. 28.
MacArthur, John S., Scottsville, N. Y. Arch supporting device. 2,457,481, Dec. 28.
Maclay, William A., Windsor, Ontario, Canada. Top cylinder oiler for internal-combustion engines. 2,457,389, Dec. 28.
Maclay, William D., Berkeley, and A. D. Shepherd, El Cerrito, and R. M. McCready, Berkeley, and R. P. Graham, Albany, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Production of low-methoxyl pectinic acids from aluminum-pectin compositions. 2,457,577, Dec. 28.
Macomber, Stanley, North Canton, Ohio. Tubular section structural member. 2,457,250, Dec. 28.
Mahler, George T.: *See*—
Handwerk, Erwin C., and Mahler.
Handwerk, Erwin C., Mahler, and Haupt.
Mahler, George T., Palmerton, and E. C. Handwerk, Lehighton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,550, Dec. 28.
Main, Benjamin A., Jr., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Quick connect self-sealing coupling. 2,457,251, Dec. 28.
Maliphant, Charles W., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Choke fitting. 2,457,578, Dec. 28.
Mann, Julius W.: *See*—
Russell, George F., and Mann.
Marble, Jarvis C., trustee, assignee: *See*—
Lysholm, Alf.
Marean, Kostandean, Dayton, Ohio. Artificial leg. 2,457,482, Dec. 28.
Mariash, Carl, Brooklyn, N. Y. Suspender window support for washing windows. 2,457,698, Dec. 28.
Markussen, Halfdan A., Hempstead, N. Y. Baseball game apparatus. 2,457,390, Dec. 28.
Marsen, Richard A., New York, N. Y., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Magnetic recorder with friction drive device incorporated within the magazine. 2,457,699, Dec. 28.
Marshall, Thomas A.: *See*—
Brown, Andrew, and Marshall.
Martin, Clifford W., Denver, Colo. Reflecting optical objective system. 2,457,253, Dec. 28.
Martin, Edward J., Pleasant Ridge, and W. E. Sargeant, Ferndale, assignors to General Motors Corporation, Detroit, Mich. Torque meter. 2,457,700, Dec. 28.
Martin, Henry: *See*—
Hirt, Rudolf, Gysin, and Martin.
Martin, James, Higher Denham, near Uxbridge, England. Body protecting device for aircraft personnel. 2,457,252, Dec. 28.
Martin, Royal E., Mansfield, Ohio. Stretch-forming apparatus, including a segmental die connected at opposite ends to shiftable vises. 2,457,483, Dec. 28.
Maurer, Theodore H., Richmond Hill, N. Y. Adjustable coat and two pants hanger. 2,457,579, Dec. 28.
Mayer, Harry F., Schenectady, N. Y., assignor to General Electric Company. Radio locating equipment. 2,457,580, Dec. 28.
McCain, Byrl N., San Jose, Calif. Trailer. 2,457,581, Dec. 28.
McCaleb, Albert G., assignee: *See*—
Wheeler, Harold B.
McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Grease composition. 2,457,582, Dec. 28.
McCaslin, Henry C., Dexter, assignor, by mesne assignments, to Kaiser-Frazer Corporation, Willow Run, Mich. Vehicle torsion bar individual wheel suspension. 2,457,583, Dec. 28.
McCaslin, James F., Cleveland, Ohio, and J. Fink; said Fink assignor to The George W. Borg Corporation, Delavan, Wis. Delay arming device for fuses. 2,457,254, Dec. 28.
McCleary, Charles D., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Emulsion-polymerization of butadiene-1,3 hydrocarbons. 2,457,701, Dec. 28.
McClure, Glenn T., McKeesport, and J. W. Rush, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve apparatus. 2,457,584, Dec. 28.
McCormack, Robert B., Milltown, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Producing penicillins. 2,457,585, Dec. 28.
McCready, Rolland M.: *See*—
Maclay, William D., Shepherd, McCready, and Graham.
McElherne, Paul F., assignor to Standard Oil Company, Chicago, Ill. Stripping of spent catalyst in a hydrocarbon conversion process. 2,457,255, Dec. 28.
McGary, Charles E.: *See*—
McGary, Francis L., and C. E.
McGary, Francis L., and C. E. McGary, Hardinsburg, Ky. Shipping container. 2,457,702, Dec. 28.
McGraw Electric Company, assignee: *See*—
Osterheld, Clark M.
McGrogan, John F., assignor to The Atlantic Refining Company, Philadelphia, Pa. Grease composition. 2,457,586, Dec. 28.
McIlvaine, Robert L., Glencoe, assignor to H. S. Simpson, Evanston, Ill. Material reclamation system. 2,457,587, Dec. 28.
McNamee, Bernard F., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electrical bridge. 2,457,165, Dec. 28.
McWhirter, Eric M. S., and R. H. Dunn, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Polyphase oscillation generator. 2,457,166, Dec. 28.
Melton, Romie L., R. C. Benner, and H. P. Kirchner, assignors to The Carborundum Company, Niagara Falls, N. Y. Apparatus for manufacture of coated webs. 2,457,256, Dec. 28.
Merck & Co., Inc., assignee: *See*—
Mozingo, Ralph.
Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Pingboard arrangements. 2,457,703, Dec. 28.
Merrill, Leslie M., assignee: *See*—
Lysholm, Alf.
Merz Engineering Co., assignee: *See*—
Rupley, Frederick L.
Metal Lumber Corporation, The, assignee: *See*—
Collings, John K.
Metten, Herbert, Boston, and F. Koury, Somerville, assignors to Sylvania Electric Products Inc., Salem, Mass. Ray counter. 2,457,781, Dec. 28.
Metzner, William: *See*—
Wade, Francis A., and Metzner.
Meyer, Maximilian C., Brooklyn, N. Y. Baseball game. 2,457,167, Dec. 28.
Meyer, Maximilian C., Brooklyn, N. Y. Baseball game. 2,457,168, Dec. 28.
Michael, Vesta F., and S. W. Walker, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Separation of oxygenated compound with bisulfite adducts. 2,457,257, Dec. 28.
Michiana Products Corporation, assignee: *See*—
Nygren, Carl.
Mid-Continent Metal Products Co., assignee: *See*—
Donner, Verne P.
Miller, Arthur J., Oak Ridge, Tenn., and J. W. Fleisher, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Manufacturing of rectifier elements. 2,457,169, Dec. 28.
Miller, Gerald K.: *See*—
Doll, Henri-Georges, and Miller.
Miller, I., & Sons, Inc., assignee: *See*—
Levin, David E.
Miller, Victor F., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Split ring cord guide for step-by-step switches. 2,457,588, Dec. 28.
Miller, Victor F., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wiper assembly for step-by-step switches. 2,457,589, Dec. 28.
Milleville, Howard P., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Volatile flavor recovery process. 2,457,315, Dec. 28.
Mills Industries, Incorporated, assignee: *See*—
Steiner, Louis.
Mills, William L., Waco, Tex. Safety razor. 2,457,590, Dec. 28.
Milner, Leslie F.: *See*—
Casler, Leslie R., and Milner.

Minnesota and Ontario Paper Company, assignee: *See*—
Barrett, William.
Mitchell, Bruce, San Diego, Calif. Airplane train. 2,457,391, Dec. 28.
Mitchell, Donald H., Cranford, and E. C. Moss, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Material supporting and cooling apparatus for welding machines. 2,457,704, Dec. 28.
Mitchell, Gordon P., Merrill, Wis. Pulling implement for detaching insulators. 2,457,258, Dec. 28.
Mitchell, Kenneth, assignor, by mesne assignments, to Standard Telephones and Cables Limited, London, England. Optical projection apparatus. 2,457,170, Dec. 28.
Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,457,171, Dec. 28.
Moll, Fred M., West Bend, Wis. Disappearing tooth bars for concaves. 2,457,259, Dec. 28.
Monowatt Incorporated, assignee: *See*—
Benander, George B.
Monsanto Chemical Company, assignee: *See*—
Glick, Sanford E.
Lawshe, Walter D.
Scott, Milton J.
Mooney, Fred L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Leveling machine. 2,457,172, Dec. 28.
Moore, Harry, assignee: *See*—
Letvin, Abe.
Moore, Maryalice C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrophilic-organophilic pigments and producing same. 2,457,591, Dec. 28.
Moran, Francis D., Downers Grove, Ill. Wire curling apparatus and method. 2,457,705, Dec. 28.
Morbell Products Corporation, assignee: *See*—
Bell, John G.
Morris, Rowland P.: *See*—
Campbell, Edward R., Frewin, Lennox, and Morris.
Morris, William P., Hobbs, N. Mex. Undergarment. 2,457,260, Dec. 28.
Morrison, George O., F. P. Lossing, A. H. Heatley, and J. F. L. M. Germain, Shawinigan Falls, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Polyvinyl acetal resins. 2,457,261, Dec. 28.
Moss, Earl C.: *See*—
Mitchell, Donald H., and Moss.
Mowat, John H., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Substituted pyridine compound. 2,457,484, Dec. 28.
Mozingo, Ralph, Elizabeth, assignor to Merck & Co., Inc., Rahway, N. J. Hydrogenolysis of thiol esters. 2,457,392, Dec. 28.
Muffly, Glenn, Springfield, Ohio. Apparatus for causation and prevention of collisions. 2,457,393, Dec. 28.
Muller, Carl W.: *See*—
Crane, Carl J., and Holloman, Muller, and Stout.
Muller, George W., Miami Beach, Fla. Rail retaining and spike fastening means. 2,457,592, Dec. 28.
Musico, Winston T.: *See*—
Abercrombie, David J., Brettingham-Moore, and Musico.
Nadon, Eugene O., assignor to Vermont Hosiery and Machinery Co., Northfield, Vt. Hosiery knitting machine. 2,457,782, Dec. 28.
Nagy, Michael J.: *See*—
Northrop, John K., and Nagy.
National Fitch Corporation, assignee: *See*—
Norbom, Ragnar A.
National Organ Supply Company, assignee: *See*—
Cloyd, Harold S.
National Tube Company, assignee: *See*—
Kubic, Raymond R., and Nylander.
Neher, Eldon P., North Manchester, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Resilient mounting. 2,457,706, Dec. 28.
Nelson, John W., Wickliffe, Ohio. Detachable connection for electric cables. 2,457,593, Dec. 28.
Nettel, Frederick, Manhasset, and J. Kreitner, New York, N. Y. Turbine compressor plant. 2,457,594, Dec. 28.
Neuman, Wilbur K., Skokie, Ill., and H. M. Slosberg, Ames, Iowa, assignors to Continental Can Company, Inc., New York, N. Y. Gas sampling device. 2,457,707, Dec. 28.
Newitt, John H., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electronic switching system. 2,457,173, Dec. 28.
New Jersey Zinc Company, The, assignee: *See*—
Handwerk, Erwin C., and Mahler.
Handwerk, Erwin C., Mahler, and Haupt.
Robson, Stanley.
Newton, Bertie F., Chelmsford, England, assignor to Norma Hoffmann Bearings Corporation, Stamford, Conn. Cage for roller bearings. 2,457,485, Dec. 28.
Newton Brothers (Derby) Limited, England: *See*—
Newton, Frederick.
Newton, Frederick, Sudbury, assignor to Newton Brothers (Derby) Limited, Derby, England. Hydraulic damper. 2,457,708, Dec. 28.
Niederhauser, Warren D.: *See*—
Bruson, Herman A., and Niederhauser.
Nolde, Arthur H., assignor to The Falk Corporation, Wauwatosa, Wis. Jig bushing. 2,457,709, Dec. 28.
Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Fluid meter construction. 2,457,710, Dec. 28.
Norma Hoffmann Bearings Corporation, assignee: *See*—
Newton, Bertie F.
Norquist, Glenn H., Jamestown, N. Y. Shipping assembly. 2,457,262, Dec. 28.
Norquist, Glenn H., Jamestown, N. Y. Soldering stand assembly. 2,457,263, Dec. 28.
Northrop Aircraft, Inc., assignee: *See*—
Northrop, John K., and Nagy.
Northrop, John K., Los Angeles, and M. J. Nagy, Inglewood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Prosthetic wrist. 2,457,316, Dec. 28.
Northwest Plastics, Inc., assignee: *See*—
Diethert, Russell S.
Novak, George A., Broadview, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Grip for kitchen utensils. 2,457,394, Dec. 28.
Nygren, Carl, assignor to Michiana Products Corporation, Michigan City, Ind. High-temperature fan. 2,457,264, Dec. 28.
Nygren, Carl, assignor to Michiana Products Corporation, Michigan City, Ind. High-temperature fan. 2,457,265, Dec. 28.
Nygren, Carl, assignor to Michiana Products Corporation, Michigan City, Ind. High-temperature fan. 2,457,711, Dec. 28.
Nylander, Carl H.: *See*—
Kubic, Raymond R., and Nylander.
O'Grady, Kathleen R., Chicago, Ill. Garment hanger. 2,457,486, Dec. 28.
Ohio Crankshaft Company, The, assignee: *See*—
Warnick, Alan.
Okonite-Callender Cable Company, Incorporated, The, assignee: *See*—
Bennett, Charles E.
Bennett, Charles E., and White.
Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun primer mechanism. 2,457,266, Dec. 28.
Olsen, Marvin R., Glen Ellyn, assignor to Justrite Manufacturing Company, Chicago, Ill. Window clamp. 2,457,317, Dec. 28.
Olson, Harry F., Princeton, and J. Preston, Hopewell, N. J., assignors to Radio Corporation of America. Method and apparatus for noise control of reproduced sound. 2,457,712, Dec. 28.
O'Neil, William, assignee: *See*—
Roberts, Gerald G.
O'Rourke, Charles P.: *See*—
Lutz, Frederick G.
Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Gas turbine control. 2,457,595, Dec. 28.
Osborne, Ronald R., and E. G. Dunsford, Farnborough, England, assignors to the Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Apparatus for testing the operation of oxygen supply equipment for aircraft. 2,457,713, Dec. 28.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater. 2,457,596, Dec. 28.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater. 2,457,597, Dec. 28.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Electric air heater. 2,457,598, Dec. 28.
Owens-Corning Fiberglas Corporation, assignee: *See*—
Ebaugh, Paul.
Holtschulte, William F., and Philipps.
Slayter, Games.
Slayter, Games, and Snow.
Owens, Ivan L., Detroit, Mich. Boat trailer. 2,457,395, Dec. 28.
Owens, Neal, New Orleans, La., and R. L. Jewell, assignors to American Sterilizer Company, Erie, Pa. Burn bath table. 2,457,174, Dec. 28.
Oxhandler, Samuel: *See*—
Voight, Henry G., and Oxhandler.
Packhner & Koller, Inc., assignee: *See*—
Sharps, George J.
Pal Blade Co., Inc., assignee: *See*—
Henshaw, Charles N.
Pancoast, William R., Evanston, Ill. Knife sharpener. 2,457,714, Dec. 28.
Paragon Revolute Corporation, assignee: *See*—
Davis, Raymond R.
Parker, Louis W., Little Neck, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Projection cathode-ray tube. 2,457,175, Dec. 28.
Patent and Licensing Corporation, The, assignee: *See*—
Golden, Victor.
Pazzano, Frederick F., Waltham, Mass. Bait-holding casting bob. 2,457,715, Dec. 28.
Peabody Engineering Corporation, assignee: *See*—
Graham, David P.
Harmon, Robert R.
Kopita, Robert.
Peacock, Arnold L., Danvers, and B. A. Jensen, Boston, assignors to Sylvania Electric Products Inc., Salem, Mass. Glow relay. 2,457,487, Dec. 28.
Peale, Rembrandt, Jr., assignee, trustee: *See*—
Peale, Richard and R., Jr.
Peale, Richard, Clearfield, Pa., and R. Peale, Jr., Greenwich, Conn., assignors to themselves as trustees. Coal loading and conveying mechanism. 2,457,267, Dec. 28.

Penfold, Charles S., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Lamp socket and resistor. 2,457,488, Dec. 28.
Perkins, Ronald R., Dallas, Tex. Butter slicer. 2,457,716, Dec. 28.
Pervier, Charles F., Port Washington, assignor to Harnischfeger Corporation, Milwaukee, Wis. Engine cooling, cylinder, jacket, and head construction. 2,457,717, Dec. 28.
Pessel, Leopold, Philadelphia, Pa., assignor to Radio Corporation of America. Closing tube ends by dipping in molten solder. 2,457,599, Dec. 28.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Signaling. 2,457,268, Dec. 28.
Pfrehm, Harry J., Houston, Tex. Recessing tool. 2,457,269, Dec. 28.
Pharmaceutical Organics Inc., assignee: *See*—
Freeman, Joel G.
Phelps, Clyde H., Springfield, Ill., assignor, by mesne assignments, to Weaver Engineering Co. Balance-testing machine rotor suspension system. 2,457,718, Dec. 28.
Philadelphia Quartz Company, assignee: *See*—
Baker, Chester L., and Sams.
Philco Corporation, assignee: *See*—
Bates, Harold S., and Robinson.
Philipps, Samuel D.: *See*—
Holtschulte, William F., and Philipps.
Phillips, Towner H., Portland, Oreg. Animated toy. 2,457,270, Dec. 28.
Pickney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modification of preformed monoolefin/carbon monoxide polymers. 2,457,271, Dec. 28.
Pierce, Eugene H., assignor to Swift & Company, Chicago, Ill. Device for assisting in a hand-labeling operation. 2,457,489, Dec. 28.
Pine, Paul R., Berea, and E. C. Ray, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Preparation of extruded iron oxide catalysts. 2,457,719, Dec. 28.
Plawker, Samuel, Newark, N. J. Shoe sole pressure device. 2,457,720, Dec. 28.
Plax Corporation, assignee: *See*—
Kipitke, William H.
Pneumatic Scale Corporation, Limited, assignee: *See*—
Eaton, Lewis B., and Vergobbi.
Howard, Stanley R.
Pohrer, Joseph P., assignee: *See*—
Lindae, William H., and Strachan.
Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Grinding machine with automatic crush dressing mechanism. 2,457,318, Dec. 28.
Pollard, Philip E., assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Radio locating apparatus. 2,457,396, Dec. 28.
Porocel Corporation, assignee: *See*—
Krieger, Knut A., and Heinemann.
Powers, Paul O., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Linoleum surface covering. 2,457,600, Dec. 28.
Preisman, Albert, Flushing, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Wave generating system. 2,457,176, Dec. 28.
Premier Thread Company, assignee: *See*—
Giglio, Antonio J.
Prentiss Wabers Products Co., assignee: *See*—
Jenson, Kenneth S.
Press, Ray A., Lancaster, Calif. Reel for grain harvesters. 2,457,490, Dec. 28.
Preston, John: *See*—
Olson, Harry F., and Preston.
Price, Harold W., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure fluid follow-up servomotor. 2,457,721, Dec. 28.
Pritchard, Ralph W., Jr., Chicago, Ill. Locking clip. 2,457,272, Dec. 28.
Puckette, Charles M., Jr., Ridgewood, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Connector for coaxial cable. 2,457,722, Dec. 28.
Pura, Andrew R., Toronto, Ontario, Canada. Adjustable glider for furniture legs. 2,457,723, Dec. 28.
Pure Oil Company, The, assignee: *See*—
Bond, Donald C., and Savoy.
Lukes, George E., and Swann.
Savoy, Michael.
Putt, Donald R.: *See*—
Harshbarger, Walter J., and Putt.
Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematographic dye printing. 2,457,319, Dec. 28.
Radio Corporation of America, assignee: *See*—
Braden, Rene A.
Brian, Joseph M.
Carlson, Wendell L.
Flory, Leslie E.
Hanchett, George D., Jr.
Hershberger, William D.
Holmes, Ralph S.
Liebscher, Arthur.
Olson, Harry F., and Preston.
Pessel, Leopold.
Peterson, Harold O.
Sziklai, George C.
Usselman, George L.
Ramsey, De Witt, Miami, Fla. Sliding door mounting. 2,457,491, Dec. 28.
Randall, Cyril E., Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric relay for use with alternating current of variable frequency and voltage. 2,457,724, Dec. 28.
Rapids-Standard Company, Inc., The, assignee: *See*—
Sebastian, James R.
Wolf, Cecil, and Foulds.
Ray, Earl C.: *See*—
Pine, Paul R., and Ray.
Raybould, Frank J., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Valve. 2,457,492, Dec. 28.
Reach, Milton B., Springfield, Mass. Golf club. 2,457,177, Dec. 28.
Redfern, Donald V., assignor to American-Marietta Company, Adhesive, Resin and Chemical Division, Seattle, Wash. Art of making phenol-aldehyde reaction products and the product thereof. 2,457,493, Dec. 28.
Reichinstein, David, Zurich, assignor to Fanal Licht A.-G., Lucerne, Switzerland. Transformer and connection for starting arc lamps. 2,457,494, Dec. 28.
Renfroe, Joseph C., Jacksonville, Fla. Spindle adapter. 2,457,273, Dec. 28.
Republic Drill & Tool Company, assignee: *See*—
Delaney, Harry W.
Republic Flow Meters Company, assignee: *See*—
Rosenberger, Albert J.
Rhowmine, Lavinia B., Grand Rapids, Mich. Bib and tray cover. 2,457,725, Dec. 28.
Rice, William W., Jr.: *See*—
Yoch, August H., and Rice, Jr.
Richards, Grover E., Youngstown, Ohio. Resilient suspension for farm wagons. 2,457,397, Dec. 28.
Richards, Harper, Chicago, Ill. Toilet seat. 2,457,726, Dec. 28.
Richards, Raymond B.: *See*—
Hunter, Edward, and Richards.
Richardson, Avery G., Boonton, N. J., and T. H. Clark, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Resistance sine wave generator. 2,457,178, Dec. 28.
Rifenbergh, Clare M., Grosse Pointe, Mich., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Electrical measuring system. 2,457,727, Dec. 28.
Rifken, Louis L., Elgin, Ill. Towel or cloth holder. 2,457,274, Dec. 28.
Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating apparatus. 2,457,601, Dec. 28.
Ringer, Evue J., assignor to Bendix Aviation Corporation, South Bend, Ind. Power steering mechanism and follow-up control valve therefor. 2,457,728, Dec. 28.
Ritter, Saul, New York, N. Y. Tubular link construction. 2,457,275, Dec. 28.
Roberts, Albert O., and J. J. Wharam, assignors to Ford Motor Company, Dearborn, Mich. Automatic brake control. 2,457,729, Dec. 28.
Roberts Brass Manufacturing Company, The, assignee: *See*—
Kincaid, William S.
Roberts, David S., Brighton, and R. A. DeLuca, South Boston, Mass., said DeLuca assignor to said Roberts. Bubble cap. 2,457,398, Dec. 28.
Roberts, Gerald G., assignor to W. O'Neil, Akron, Ohio. Relay control system. 2,457,730, Dec. 28.
Roberts Paper Company, assignee: *See*—
Dalby, Delbert G.
Robinson, Samuel A.: *See*—
Bates, Harold S., and Robinson.
Robson, Stanley, Bristol, England, assignor to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,551, Dec. 28.
Roby, Horace H., Wichita, Kans. Two position pitch-changing mechanism. 2,457,731, Dec. 28.
Rochester Manufacturing Company, assignee: *See*—
Tollefsen, Reidar A., and Hunt.
Rochester, Nathaniel, South Hamilton, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency tube. 2,457,495, Dec. 28.
Rockwell, Edward A., Cleveland, Ohio. Hydraulic latch control mechanism. 2,457,732, Dec. 28.
Rockwood, Charles H., West Allis, and D. J. Sikorra, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Resistance grid and assembling. 2,457,399, Dec. 28.
Rockwood & Co., assignee: *See*—
Burbank, H. Russell, and Zenlea.
Rodgers, Reginald W., Winnipeg, Manitoba, Canada. Headlock wedge. 2,457,602, Dec. 28.
Rodman, Francis C., Garden City, and J. E. Engel, Tottenville, Staten Island, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Glue dispenser. 2,457,733, Dec. 28.
Roetting, Arthur J., assignor to Wire Machinery Corporation of America, Inc., New Haven, Conn. Wire-stranding machine. 2,457,402, Dec. 28.
Rogers, Frank L.: *See*—
Jameson, William L., and Rogers.
Rohlm Manufacturing Company, Inc., assignee: *See*—
Sarver, Emmett F.

Röhm & Haas Company, assignee: *See*—
Bruson, Herman A., and Niederhauser.
Heuberger, John W.

Roland, John R.: *See*—
Hanford, William E., and Roland.

Ronay, Bela, Annapolis, Md. Coreless induction heater and making same. 2,457,179, Dec. 28.

Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Automotive vehicle. 2,457,400, Dec. 28.

Roper, George D., Corporation, assignee: *See*—
Baysinger, Royal D., and Fulton.

Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Fluid seal. 2,457,320, Dec. 28.

Ross, Harold E., Kettle Falls, Wash. Triple sealed icebox door. 2,457,496, Dec. 28.

Ross, Samuel L., New Brunswick, N. J., assignor to Johnson & Johnson. Strand testing. 2,457,276, Dec. 28.

Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,457,497, Dec. 28.

Ruhl, George J.: *See*—
Crossman, Fred, Southam, and Ruhl.

Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Co., Indianapolis, Ind. Pneumatic gauging apparatus. 2,457,401, Dec. 28.

Rush, John W.: *See*—
McClure, Glenn T., and Rush.

Rushing, Herschel L., Nashville, Tenn. Rail track fastening. 2,457,180, Dec. 28.

Russell, George F., and J. W. Mann, Tacoma, Wash. Radio-frequency parallel bonding. 2,457,498, Dec. 28.

Russell, Kenneth F., assignor to H. H. Garner, Claremont, Calif. Air cleaner. 2,457,321, Dec. 28.

Rutledge, John W., Early, Iowa. Device for hoisting bales. 2,457,181, Dec. 28.

Salzberg, Paul L., and F. K. Signaigo, Brandywine Hundred, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl boronates and producing same. 2,457,603, Dec. 28.

Sams, Robert H.: *See*—
Baker, Chester L., and Sams.

Sandusky, Julius, Toronto Township, Peel County, Ontario, Canada. Electrolyte level control device for storage batteries. 2,457,322, Dec. 28.

Santole, Joseph P., Waterbury, Conn. Fire alarm trip mechanism. 2,457,499, Dec. 28.

Sargeant, Walter E.: *See*—
Martin, Edward J., and Sargeant.

Sargent & Company, assignee: *See*—
Voight, Henry G., and Oxhandler.

Sargent, Theodore C., Swampscott, assignor to Sylvania Electric Products Inc., Salem, Mass. Resistor for electric discharge devices. 2,457,734, Dec. 28.

Sarver, Emmett F., Lenexa, Kans., assignor to Rohlm Manufacturing Company, Inc., Erie, Pa. Position indicator for magnetic actuators. 2,457,403, Dec. 28.

Savoy, Michael: *See*—
Bond, Donald C., and Savoy.

Savoy, Michael, assignor to The Pure Oil Company, Chicago, Ill. Breaking water-in-oil emulsions. 2,457,735, Dec. 28.

Scandura, John J., Roslindale, Mass. Sterilizer. 2,457,500, Dec. 28.

Schaefer, Jacob W.: *See*—
Goldsmith, Elsworth H., Terry, and Schaefer.

Schler, Wallace: *See*—
Doggett, David L., and Schler.

Schiro, Raymond M. G., assignor to Chain Belt Company, Milwaukee, Wis. Material distributing apparatus. 2,457,604, Dec. 28.

Schlumberger, Marcel, Paris, France; vested in the Attorney General of the United States. Well conditioning apparatus. 2,457,277, Dec. 28.

Schlumberger Well Surveying Corporation, assignee: *See*—
Doll, Henri-Georges, and Miller.

Schmidt, Bearnard O., Caroline, Wis. Wire clothespin. 2,457,736, Dec. 28.

Schoenbaum, Joseph R., Roseland, N. J., assignor to Curtiss-Wright Corporation. Frequency responsive system. 2,457,278, Dec. 28.

Scholl, William M., Chicago, Ill. Making arch supports. 2,457,737, Dec. 28.

Schrock, Eugene B., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway car truck. 2,457,182, Dec. 28.

Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Nitroparaffin modified aminoplasts. 2,457,404, Dec. 28.

Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Halo nitroparaffin modified aminoplasts. 2,457,405, Dec. 28.

Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Halo nitroalcohol modified aminoplasts. 2,457,406, Dec. 28.

Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Thermoplastic aminoplasts. 2,457,738, Dec. 28.

Scott, Samuel L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modification of preformed monoolefin/carbon monoxide polymers by reaction with basic compounds. 2,457,279, Dec. 28.

Seaman, Harold E., Cleveland Heights, Ohio. Projection apparatus for chance selected indicia. 2,457,280, Dec. 28.

Seawell, Miles P.: *See*—
Burroughs, Eugene, Jr., Byrd, and Seawell.

Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Feed water heater. 2,457,605, Dec. 28.

Sebastian, James R., assignor to The Rapids-Standard Company, Inc., Grand Rapids, Mich. Roller support for conveyer belts. 2,457,407, Dec. 28.

Sebastian, James R., assignor to The Rapids-Standard Company, Inc., Grand Rapids, Mich. Conveyer switch. 2,457,408, Dec. 28.

Senn, Charles, Detroit, Mich. Welding gun. 2,457,606, Dec. 28.

Seymour, Charles E., Baraboo, Wis., assignor to Control Corporation, Minneapolis, Minn. Remote control system. 2,457,607, Dec. 28.

Shafter, Adolph F., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Electric heating element. 2,457,608, Dec. 28.

Shannon, John K., Kenosha, Wis. Control mechanism for model airplanes. 2,457,281, Dec. 28.

Sharps, George J., assignor to Pachner & Koller, Inc., Chicago, Ill. Fishing reel. 2,457,323, Dec. 28.

Shawinigan Chemicals Limited, assignee: *See*—
Morrison, George O., Lossing, Heatley, and Germain.

Shea, Robert P., North Hollywood, assignor to E. Furer, Burbank, Calif., doing business as Acme Tool and Manufacturing Company. Intermittent film advancing mechanism. 2,457,409, Dec. 28.

Sheffield Corporation, The, assignee: *See*—
Aller, Willis F.
Polk, Louis F.

Shell Development Company, assignee: *See*—
Bell, James A.

Shene, Francis E., Vermontville, N. Y. Animal trap. 2,457,501, Dec. 28.

Shepherd, Allan D.: *See*—
Maclay, William D., Shepherd, McCready, and Graham.

Shepherd, Judson O'D., Atlanta, Ga. Signal system employing polarized light. 2,457,502, Dec. 28.

Sherman, Thomas L., assignor to The Steel Products Engineering Co., Springfield, Ohio. Cooling jacket and cylinder construction. 2,457,183, Dec. 28.

Sherman, William J., Sr., New Albany, Ind. Rotary locking screw plug. 2,457,184, Dec. 28.

Sherrill, Eugene A., assignor to Bendix Aviation Corporation, South Bend, Ind. Oil dilution and primer system for internal-combustion engines. 2,457,739, Dec. 28.

Sherwin-Williams Company, The, assignee: *See*—
Arvin, James A., and Gitchel.

Shields, Robert A., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Lateral shifting caster truck. 2,457,783, Dec. 28.

Shipner, John R., South Omaha, Nebr., assignor to The Cudahy Packing Company, Chicago, Ill. Stabilization of fatty material. 2,457,741, Dec. 28.

Shock, Escu W., Rogue River, Oreg. Egg cleaning machine. 2,457,324, Dec. 28.

Sidell, Philip A., Rock Island, assignor to American Machine and Metals, Inc., East Moline, Ill. Axial flow fan. 2,457,325, Dec. 28.

Sigmund Corporation, assignee: *See*—
Sigmund, Frank J., and Hlavin.

Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors to Sigmund Corporation. Fluidproof winding element. 2,457,740, Dec. 28.

Signaigo, Frank K.: *See*—
Salzberg, Paul L., and Signaigo.

Sikorra, Daniel J.: *See*—
Rockwood, Charles H., and Sikorra.

Simmons Company, assignee: *See*—
Travis, Don C.

Simmons, Oscar R., Topeka, Kans. Matrix drying and roasting machine. 2,457,282, Dec. 28.

Simpson, Herbert S., assignee: *See*—
McIlvaine, Robert L.

Singer, Grover C., Brownsville, Tex. Reflecting vapor lamp. 2,457,503, Dec. 28.

Slater, Frank P., Kansas City, Mo. Tungsten carbide tool grinder. 2,457,283, Dec. 28.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for felting fibrous glass. 2,457,784, Dec. 28.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for winding strands. 2,457,786, Dec. 28.

Slayter, Games, and H. Snow, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Apparatus for making glass film. 2,457,785, Dec. 28.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Trolley glider. 2,457,326, Dec. 28.

Slosberg, Harry M.: *See*—
Neuman, Wilbur K., and Slosberg.

Smith, S., & Sons (England), Limited, assignee: *See*—
Klepp, Edwin C.

Smith, Wallace A., Speed, Ind. Bender. 2,457,410, Dec. 28.

Smith-Pert, George J., and A. G. Forsyth, Cheam, assignors to The Fairey Aviation Company Limited, Hayes, England. Pitch changing mechanism. 2,457,609, Dec. 28.

Snoke, John J., Goshen, Ind. Method and apparatus for forming wood veneer plywood tubes. 2,457,504, Dec. 28.

Snow, Henry: *See*—
Slayter, Games, and Snow.

Soha, George, New York, N. Y. Pushcart assembly. 2,457,742, Dec. 28.

Solari, Archie J., assignor to Crane Packing Company, Chicago, Ill. Adjustable fluid seal. 2,457,284, Dec. 28.

Solem, Robert H., Rockford, Ill., assignor to Eclipse Fuel Engineering Co. Gaseous fuel burner. 2,457,505, Dec. 28.

Sorensen, Steffen H., New York, N. Y. Safety prod. 2,457,506, Dec. 28.

Southam, Earl A.: *See*—
Crossman, Fred, Southam, and Ruhl.

Southern Wood Preserving Company, assignee: *See*—
Delters, August M.

Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Heat regulating iron. 2,457,185, Dec. 28.

Squibb, E. R., & Sons, assignee: *See*—
McCormack, Robert B.

Stagnaro, John A., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Potential divider. 2,457,787, Dec. 28.

Standard Oil Company, assignee: *See*—
Hengstebeck, Robert J.
McElherne, Paul F.

Standard Telephones and Cables Limited, assignee: *See*—
Brown, Andrew, and Marshall.
Chatterjea, Prafulla K., and Houghton.
Mitchell, Kenneth.

Stanolind Oil and Gas Company, assignee: *See*—
Michael, Vesta F., and Walker.

Stateman, Murray J., Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electroforming rectifier elements. 2,457,186, Dec. 28.

Steel Products Engineering Co., The, assignee: *See*—
Sherman, Thomas L.

Stein, John J.: *See*—
Christensen, Harold E., Stein, and Kester.

Steinberger, Laurel E., San Fernando, Calif. Set of knockdown furniture. 2,457,411, Dec. 28.

Steiner, Louis, Rockaway Park, N. Y., assignor to Mills Industries, Incorporated. Dispensing device. 2,457,187, Dec. 28.

Stepner, Harvey A., Richmond Hill, N. Y. Tray. 2,457,285, Dec. 28.

Stevens, Clarence C., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Internal grinding machine. 2,457,743, Dec. 28.

Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus for prime movers. 2,457,610, Dec. 28.

Stevenson, Philip H., Cincinati, Ohio. Turbine wheel. 2,457,327, Dec. 28.

Stewart-Warner Corporation, assignee: *See*—
Williams, Lynn A., Jr.

Stokes, Rupert O., London, England. Valve control mechanism for hydraulic classifiers. 2,457,412, Dec. 28.

Stokes, Rupert O., and G. Kopp, London, England. Vibrator. 2,457,413, Dec. 28.

Stone, Raymond, assignor to Americaine, Inc., Chicago, Ill. Benzocaine solution. 2,457,188, Dec. 28.

Stout, Raymond K.: *See*—
Crane, Carl J., Holloman, Mueller, and Stout.

Strachan, Ben W.: *See*—
Lindae, William H., and Strachan.

Strachovsky, Nikita B., assignor to Lord Manufacturing Company, Erie, Pa. Shaft coupling. 2,457,507, Dec. 28.

Strong, Charles E.: *See*—
Earp, Charles W., and Strong.

Sturm, Ralph E., assignor to The Burdick Corporation, Milton, Wis. Instrument useful in the analysis of vibrations in organized living tissue. 2,457,744, Dec. 28.

Sness, Julius J., West Allis, Wis. Convertible vehicle drawbar. 2,457,745, Dec. 28.

Sulzer Frères, Société Anonyme, assignee: *See*—
Wiesendanger, Fritz.

Sun Oil Company, assignee: *See*—
Kurtz, Stewart S., Jr., and Sweely.

Supply, His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, Minister of, assignee: *See*—
Osborne, Ronald R., and Dunsford.
Pollard, Philip E.

Susi, Frank, Bronx, N. Y. Hair curling device. 2,457,414, Dec. 28.

Swank, Inc., assignee: *See*—
Bagnall, Joseph C., Jr.
Blagi, Leon J.

Swann, Ralph C.: *See*—
Lukes, George E., and Swann.

Sweely, James S.: *See*—
Kurtz, Stewart S., Jr., and Sweely.

Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Sensitometer employing repeating wedge modulator. 2,457,746, Dec. 28.

Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Electron multiplier tube circuits. 2,457,747, Dec. 28.

Swern, Daniel, and G. N. Billen, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. 1,2-epoxides and their preparation. 2,457,328, Dec. 28.

Swern, Daniel, and G. N. Billen, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Polymers of 9,10-epoxyoctadecanol and their preparation. 2,457,329, Dec. 28.

Swern, Daniel, and W. C. Ault, Philadelphia, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Preparation of monoethenoic acids and their esters. 2,457,611, Dec. 28.

Swift & Company, assignee: *See*—
Pierce, Eugene H.

Swoope, Robert L.: *See*—
Grote, Henry W., Swoope, and Brearley, Jr.

Sylvania Electric Products Inc., assignee: *See*—
Bouchard, George H.
Levenson, Solomon.
Liskow, Charles L.
Metten, Herbert, and Koury.
Peacock, Arnold L., and Jensen.
Rochester, Nathaniel.
Sargent, Theodore C.
Von Scheven, Waldemar H.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television. 2,457,415, Dec. 28.

Taylor, Frank H., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Ultra high frequency oscillation generators. 2,457,189, Dec. 28.

Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Speed governor for railway vehicles. 2,457,748, Dec. 28.

Taylor, Milton C., Chicago, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Chip breaking attachment for drilling machines. 2,457,795, Dec. 28.

Taylor, Robert J.: *See*—
Copson, Ernest D., and Taylor.

Technicolor Motion Picture Corporation, assignee: *See*—
Rackett, Gerald F.

Temple, Robert B., Grosse Pointe, Mich., assignor to The Budd Company, Philadelphia, Pa. Wheel and brake drum organization. 2,457,416, Dec. 28.

Terry, Roy V.: *See*—
Goldsmith, Elsworth H., Terry, and Schaefer.

Thiel, Louis F., Springfield Gardens, N. Y., assignor to American Machine & Foundry Company. Mixing machine gearing. 2,457,612, Dec. 28.

Thiry, Leon F., Belgium, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Energy dissipating antivibration device. 2,457,749, Dec. 28.

Thomas, Frank G.: *See*—
Chesus, Frank O., and Thomas.

Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Power steering mechanism. 2,457,750, Dec. 28.

Thomas, William, Keddie, Calif. Combination bevel. 2,457,613, Dec. 28.

Thompson, Clifford J., Davenport, Fla., assignor to Fruit Growers Express Company. Temperature measuring apparatus. 2,457,751, Dec. 28.

Thompson Grinder Company, The, assignee: *See*—
Krafft, Frederich G.

Thorne, Lois A.: *See*—
Butterfield, George P., and Thorne.

Tinnerman Products, Inc., assignee: *See*—
Flora, Laurence H.

Todd, Edgar B., Billings, Mont. Aircraft control system for control surfaces and wheel brakes. 2,457,508, Dec. 28.

Tollefsen, Reidar A., Brighton, and R. A. Hunt, Greece, assignors to Rochester Manufacturing Company, Rochester, N. Y. Maximum demand indicator. 2,457,286, Dec. 28.

Tolley, Donald B., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Burner for brooder stoves. 2,457,614, Dec. 28.

Toner, John P., Woodhaven, assignor to Arma Corporation, Brooklyn, N. Y. Electric antihunt servo system. 2,457,330, Dec. 28.

Toussaint, Walter J.: *See*—
Fife, Harvey R., and Toussaint.

Towmotor Corporation, assignee: *See*—
Guerin, Paul R.

Townes, Charles H., Delray Beach, Fla., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Air-speed indicating system. 2,457,287, Dec. 28.

Trautmann, Herbert L., assignor to Cherry Rivet Company, Los Angeles, Calif. Cutting tool. 2,457,417, Dec. 28.

Travis, Don C., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Adjustable lamp for tiltable beds. 2,457,752, Dec. 28.

Trepagnier, Joseph H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of isobutylene rubber. 2,457,331, Dec. 28.

Troy Sunshade Company, The, assignee: *See*—
Braunschweiger, Paul G.

Trumbull Electric Manufacturing Company, The, assignee: *See*—
Rowe, Raymond N.

Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Conveying means for dry printing machines. 2,457,753, Dec. 28.

Tucker, Irwin W., and A. K. Balls, Washington, D. C., assignors to the United States of America, as represented by the Secretary of Agriculture. Extracting diastase. 2,457,754, Dec. 28.

Turpin, John R.: *See*—
Turpin, William C., and Turpin.

Turpin, William C. and J. R., Newport News, Va. Cleanout Y. 2,457,418, Dec. 28.

Udylite Corporation, assignee: *See*—
Davis, John V., and Hoffman.

Ugazio, Walter, and E. C. Boccafogli, Clifton, N. J. Finger protector for trigger hands. 2,457,755, Dec. 28.

Uhlig, Edward, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. High-voltage bushing. 2,457,419, Dec. 28.

Union Asbestos & Rubber Company, assignee: *See*—
Novak, George A.

United Shoe Machinery Corporation, assignee: *See*—
Goodhue, William V., and Gill.
Jorgensen, Jacob C.
Knowlton, Cutler D.
Mooney, Fred L.
Oliver, John R.

U. S. Manufacturing Corporation, assignee: *See*—
Shafter, Adolph F.

U. S. Slicing Machine Company, assignee: *See*—
Ahrndt, Arthur H.

United States Rubber Company, assignee: *See*—
Klemp, Norman A.
McCleary, Charles D.

Universal Oil Products Company, assignee: *See*—
Grote, Henry W., Swoope, and Brearley, Jr.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency shift keying. 2,457,288, Dec. 28.

Vacanti, Anthony C., assignee: *See*—
Vacanti, Anthony C., and James.

Vacanti, Anthony C. and J., Dunkirk, N. Y.; said James Vacanti assignor to said A. C. Vacanti. Dressing machine for bowling pins. 2,457,509, Dec. 28.

Vacanti, James: *See*—
Vacanti, Anthony C. and James.

Van den Akker, Johannes A., Appleton, Wis., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Film extensibility testing method and apparatus. 2,457,788, Dec. 28.

Van der Ven, Adrianus J. H., Bournemouth, Hants, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Voltage stabilizing circuits. 2,457,615, Dec. 28.

Van Dyke, William D., Tarzana, and P. A. Dennis, Manhattan Beach, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Metal foil type strain gauge and making same. 2,457,616, Dec. 28.

Van Ornum, Delbert G., Great Falls, Mont. Electroplating apparatus. 2,457,510, Dec. 28.

Veeder, Nicholas P., Clayton, Mo., assignor to Granite City Steel Company, Inc., Granite City, Ill. Making corrugated galvanized steel sheets. 2,457,420, Dec. 28.

Vergobbi, Robert W.: *See*—
Eaton, Lewis B., and Vergobbi.

Vermont Hosiery and Machinery Co., assignee: *See*—
Nadon, Eugene O.

Vest, Joe R., Phoenix, Ariz. Vacuum apparatus for investment of patterns. 2,457,756, Dec. 28.

Voight, Henry G., Hamden, Conn., and S. Oxhandler, Flushing, N. Y., assignors to Sargent & Company, New Haven, Conn. Lock. 2,457,757, Dec. 28.

Von Scheven, Waldemar H., Andover, assignor to Sylvania Electric Products Inc., Salem Mass. Lamp base. 2,457,789, Dec. 28.

Vore, Herbert G., Forest Hills, N. Y., assignor to American Seal-Kap Corporation, Wilmington, Del. Capping machine for feeding caps through a high-frequency heating coil. 2,457,758, Dec. 28.

Wade, Francis A., and W. Metzner, Philadelphia, Pa. Educational apparatus. 2,457,332, Dec. 28.

Wales, George F., Kenmore, N. Y. Golf cup. 2,457,759, Dec. 28.

Walker, Scott W.: *See*—
Michael, Vesta F., and Walker.

Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Time element electromagnetic device. 2,457,617, Dec. 28.

Wamsley, William G., Detroit, Mich. Electrical control system. 2,457,333, Dec. 28.

War, United States of America as represented by the Secretary of, assignee: *See*—
Van den Akker, Johannes A.

Ware, Kenneth R., Mound Valley, Kans. Power operated tractor mounted tree felling saw. 2,457,511, Dec. 28.

Warner, Clyde J., McKeesport, Pa. Collapsible lunch or shopping bag. 2,457,422, Dec. 28.

Warnick, Alan, Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Phototube control-temperature indicating apparatus for furnaces. 2,457,289, Dec. 28.

Warren, Charles W., Burbank, Calif. Magnetic retainer. 2,457,421, Dec. 28.

Washburn Company, The, assignee: *See*—
Aleks, Vytant.

Waukesha Motor Company, assignee: *See*—
Fisher, James B.

Weatherhead Company, The, assignee: *See*—
Hufferd, George H., and Lindgren.
Raybould, Frank J.

Weaver Engineering Co., assignee: *See*—
Phelps, Clyde H.

Welmer, Glen L.: *See*—
Keating, John P., and Welmer.

Weissman, Carl, Bronx, N. Y. Combined display and service tray device. 2,457,760, Dec. 28.

Welsh, William H., Detroit, Mich. Paint bucket bracket. 2,457,290, Dec. 28.

Wenzel, Frederick W., assignor to Hummel & Downing Company, Milwaukee, Wis. Carton and display stand. 2,457,291, Dec. 28.

Werner, Le Roy L., Washington, D. C. Portable shower unit. 2,457,190, Dec. 28.

Wesner, Wilton W., Rancocas, N. J. Irradiation of liquids using ultraviolet light. 2,457,761, Dec. 28.

Western Electric Company, Incorporated, assignee: *See*—
Bouget, Yves A.
Mitchell, Donald H., and Moss.

Westinghouse Air Brake Company, The, assignee: *See*—
Larson, Arthur G.
Maliphant, Charles W.
McClure, Glenn T., and Rush.
Stevens, Roy R.

Westinghouse Electric Corporation, assignee: *See*—
Hanna, Clinton R., and Lynn.
King, Alexander S., Jr.

Wharam, John J.: *See*—
Roberts, Albert O., and Wharam.

Wheeler, Harold B., Berwyn, assignor of one-half to A. G. McCaleb, Evanston, Ill. Highway warning signal. 2,457,512, Dec. 28.

White, Emory O., Albertville, Ala. Furnace stoker. 2,457,423, Dec. 28.

White, Jesse M., Philadelphia, Pa. Forming and assembling connecting sleeves. 2,457,796, Dec. 28.

White, Paul V.: *See*—
Bennett, Charles E., and White.

Wickes Bros., assignee: *See*—
Floeter, Frederick S.

Widell, Nils E., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Corrosion inhibitors in refrigeration system. 2,457,334, Dec. 28.

Wiesendanger, Fritz, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Temperature regulated cooling circuit. 2,457,618, Dec. 28.

Wiggins, John H., Chicago, Ill. Balancer or leveling mechanism for gasholders. 2,457,762, Dec. 28.

Wiggins, John H., Chicago, Ill. Condensate drainage mechanism for fluid storage apparatus. 2,457,763, Dec. 28.

Wigton, Paul L., Denver, Colo. Sedimentation apparatus. 2,457,191, Dec. 28.

Wilbe Research Corporation, assignee: *See*—
Kaplan, William.

Wilbert Manufacturers Association, assignee: *See*—
Haase, Wilbert W.

Wild, Rudolf F., assignor to The Brown Instrument Company, Philadelphia, Pa. Safe failure measuring and controlling apparatus. 2,457,791, Dec. 28.

Wild, Rudolf F., and F. J. Curran, assignors to The Brown Instrument Company, Philadelphia, Pa. Apparatus for sequentially keying and connecting a plurality of oscillators to a common output circuit. 2,457,790, Dec. 28.

Wild, Rudolf F., Philadelphia, Pa., and L. B. Cherry, Abilene, Tex., assignors to The Brown Instrument Company, Philadelphia, Pa. Antihunting motor control circuit. 2,457,792, Dec. 28.

Williams, Ira, and C. A. Carlton, Borger, Tex., assignors to J. M. Huber Corporation, New York, N. Y. Increasing tackiness of rubber-like materials. 2,457,335, Dec. 12.

Williams, Keith, Buffalo, N. Y. Hand brake. 2,457,764, Dec. 28.

Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion hot-air heater. 2,457,513, Dec. 28.

Williams, Paul D.: *See*—
Eaves, Hubert, and Williams.

Williams, Roger F., Des Moines, Iowa. Smoke and soot eliminator. 2,457,292, Dec. 28.

Williams, William J., Wilmette, Ill. Governor with switch control. 2,457,192, Dec. 28.

Willys-Overland Motors, Inc., assignee: *See*—
DeSmet, Edgard C., and Dickason.
Roos, Delmar G.

Wilson, Gardiner C., assignor to Armstrong Cork Company, Lancaster, Pa. Injection mold. 2,457,336, Dec. 28.

Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,457,765, Dec. 28.

Winzer, Godfrey K. R., Seattle, Wash. Towel paper moistener and dispenser. 2,457,293, Dec. 28.

Wire Machinery Corporation of America, Inc., assignee: *See*—
Roetting, Arthur J.

Wolf, Cecil, Rock Falls, and N. M. Foulds, Sterling, Ill., assignors of one-half to The Rapids-Standard Company, Inc., Grand Rapids, Mich., and one-half to Frantz Manufacturing Company, Sterling, Ill. Roller wheel. 2,457,424, Dec. 28.

Wolfard, Merl R., Cambridge, Mass. Stabilizing devices for resilient structures. 2,457,425, Dec. 28.

Wolfard, Merl R., Cambridge, Mass. Devices for arresting undulations in bridging structures. 2,457,426, Dec. 12.

Wolfard, Merl R., Cambridge, Mass. Spring means for minimizing undulations in suspension bridges. 2,457,427, Dec. 12.

Wollner, Paul: *See*—
Kittel, George P., and Wollner.

Wood, Daniel B., Bowling Green, Ky. Air power windmill. 2,457,514, Dec. 28.

Wood, Halbert M., Madison, Wis. High chair construction. 2,457,294, Dec. 28.

Woodhead, John A., Swarthmore, Pa. Duck decoy. 2,457,295, Dec. 28.

Worden, R. B., Granger, Wash. Fishing hook and fly. 2,457,428, Dec. 28.

Worthington Pump and Machinery Corporation, assignee: *See*—
Sebald, Joseph F.

Wynn, Arthur R., Long Beach, Calif. Electrode holder. 2,457,193, Dec. 28.

Yawman Metal Products, Inc., assignee: *See*—
Yawman, Victor G.

Yawman, Victor G., assignor to Yawman Metal Products, Inc., Rochester, N. Y. Trigger for firearms. 2,457,296, Dec. 28.

Yoch, August H., Melrose, Pa., and W. W. Rice, Jr., Jackson Heights, N. Y., assignors to Air Reduction Company, Incorporated. Billet nicking machine. 2,457,337, Dec. 28.

Yocum, Reuben J., Omaha, Nebr. Ice skating ring. 2,457,619, Dec. 28.

Young, Arthur M., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Rotary wing aircraft. 2,457,429, Dec. 28.

Young, Clair I., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Apparatus for applying metal cases to bricks. 2,457,766, Dec. 28.

Zampino, John A., Brooklyn, N. Y. Combined sewing case and pincushion. 2,457,767, Dec. 28.

Zarwell, Cedric E.: *See*—
Johnson, Roy W., and Zarwell.

Zenith Radio Corporation, assignee: *See*—
Lipuma, Charles E.

Zenlea, Benjamin J.: *See*—
Burbank, H. Russell, and Zenlea.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Pump. E. K. Baker. Re. 23,067, Dec. 28.

LIST OF PLANT INVENTIONS

Avocado tree. C. H. Hamburg. 816, Dec. 28.

Japanese holly plant. J. F. Styer. 817, Dec. 28.

LIST OF DESIGN INVENTIONS

Ash tray. W. Forthman. 152,194, Dec. 28.
Ash tray and cigarette snuffer, Combination. G. B. Weldon. 152,231, Dec. 28.
Ash tray and desk unit, Combination. G. B. Wisecarver. 152,234, Dec. 28.
Ash tray or similar article. C. Potts. 152,212–14, Dec. 28.
Blowtorch, Hand. B. F. Burnham. 152,187, Dec. 28.
Bottle. J. B. Platt. 152,211, Dec. 28.
Brooch and lipstick holder, Combined. J. J. Quethera. 152,216, Dec. 28.
Button or similar article. W. Drell. 152,192, Dec. 28.
Camera. D. C. Whitaker. 152,232, Dec. 28.
Camera or similar article, Photographic. W. D. Teague, R. H. Ensign, H. R. Beal, and M. N. Fairbank. 152,229, Dec. 28.
Candleholder. R. W. Meldrum. 152,204, Dec. 28.
Cap, Container. L. Baron. 152,184, Dec. 28.
Casing, Vacuum cleaner. H. S. Barnhart. 152,183, Dec. 28.
Cigarette pack and match holder, Combined. J. L. Mack, Sr. 152,201, Dec. 28.
Crane, Bridge. F. M. Gustafson and J. M. Little. 152,197, Dec. 28.
Dial and hands for a clock, Combined. W. C. Jenkins. 152,199, Dec. 28.
Dispenser cabinet for paper cups or the like. A. A. Perelman. 152,210, Dec. 28.
Display case, Cutlery. H. M. Schick. 152,219, Dec. 28.
Frame, Eyeglass. G. D. Smart. 152,222–3, Dec. 28.
Golf tee. L. Reifman. 152,218, Dec. 28.
Hairbrush. J. W. Mayer. 152,203, Dec. 28.
Key holder and bottle opener, Combination. A. R. Glidden. 152,196, Dec. 28.
Lathe. C. B. Stevens. 152,228, Dec. 28.
Lens rim material for spectacle frames. M. J. O'Dea. 152,208, Dec. 28.
Lighter, Semiautomatic table. P. W. Buchhart. 152,186, Dec. 28.
Lounge chair, Adjustable. F. J. Luketa. 152,200, Dec. 28.
Lunchroom, Roadside. G. Dilts. 152,191, Dec. 28.
Peeler, Orange. A. Miller. 152,205, Dec. 28.
Projector. C. R. Diedrich. 152,190, Dec. 28.
Projector. O. R. Nemeth. 152,207, Dec. 28.
Pull for doors and the like. D. C. Hay. 152,198, Dec. 28.
Reel, Hose. W. H. C. Rehm. 152,217, Dec. 28.
Rest, Knife. W. R. Vermillion. 152,230, Dec. 28.
Sandal, Shower. W. D. Wilson. 152,233, Dec. 28.
Saw, Band. C. B. Stevens. 152,225, Dec 28.
Saw, Circular. C. B. Stevens. 152,227, Dec. 28.
Saw, Scroll. C. B. Stevens. 152,226, Dec. 28.
Scale, Postal. N. Shewitz, P. L. Sloane, and A. Valksnoras, Jr. 152,221, Dec. 28.
Scriber. C. A. Duda. 152,193, Dec. 28.
Sled. J. L. Shaller. 152,220, Dec. 28.
Slipper. W. M. Page. 152,209, Dec. 28.
Stand, Flower. F. F. Solak. 152,224, Dec. 28.
Statuette or similar article, Display. G. Price. 152,215, Dec. 28.
Tip for a mechanical pencil. L. J. Most. 152,206, Dec. 28.
Toy sink, water dispenser, and receiver, Combined. H. Barr. 152,185, Dec. 28.
Turn signal, extremity marker, and rearview mirror, Combined. T. L. Dalton. 152,188, Dec. 28.
Vacuum cleaner. H. S. Barnhart. 152,182, Dec. 28.
Viewer, Picture. G. M. Mast. 152,202, Dec. 28.
Viewer, Twin vision transparence. R. P. Fuller. 152,195, Dec. 28.
Watch and strap therefor, Combined wrist. G. B. Desouches. 152,189, Dec. 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF DECEMBER, 1948

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrader, Hand-operated. A. N. Hanna. 2,457,466, Dec. 28.
Absorber for clarinets and the like, Water. G. Incampo. 2,457,473, Dec. 28.
Acoustic device. E. Bruce. 2,457,527, Dec. 28.
Acylated p-aminobenzene sulfonamides. R. Hirt, H. Gysin, and H. Martin. 2,457,371, Dec. 28.
Acrylates, Preparation of. W. F. Gresham. 2,457,225, Dec. 28.
Adhesive and making. C. L. Baker and R. H. Sams. 2,457,108, Dec. 28.
Adhesive product and making same, Novel. J. E. Fenn. 2,457,357, Dec. 28.
Adjustable coat and two pants hanger. T. H. Maurer. 2,457,579, Dec. 28.
Air cleaner. K. F. Russell. 2,457,321, Dec. 28.
Aircraft flight control or pilot, Automatic electronic. W. J. Harshbarger and D. R. Putt. 2,457,230, Dec. 28.
Aircraft, Rotary wing. A. M. Young. 2,457,429, Dec. 28.
Aircraft with rotatable sustaining blades. V. Isacco. 2,457,376, Dec. 28.
Airplane train. B. Mitchell. 2,457,391, Dec. 28.
Aliphatic amino alcohols and medicinal preparations thereof. H. T. F. Givens and R. M. Herbst. 2,457,656, Dec. 28.
Alloys, Blackening copper. E. B. Lewis. 2,457,480, Dec. 28.
Amino acids, Manufacture of. D. J. Bernardi. 2,457,117, Dec. 28.
Aminoplasts, Thermoplastic. M. J. Scott. 2,457,738, Dec. 28.
Animal trap. F. E. Shene. 2,457,501, Dec. 28.
Antenna disconnecting switch. W. H. Lindae and B. W. Strachan. 2,457,386, Dec. 28.
Antenna system. F. O. Chesus and F. G. Thomas. 2,457,126–7, Dec. 28.
Antihunting motor control circuit. R. F. Wild and L. B. Cherry. 2,457,792, Dec. 28.
Apparatus for applying metal cases to bricks. C. I. Young. 2,457,766, Dec. 28.
Apparatus for causation and prevention of collisions. G. Muffly. 2,457,393, Dec. 28.
Apparatus for coating paper. W. Barrett. 2,457,433, Dec. 28.
Apparatus for condensing zinc vapor. E. C. Handwerk and G. T. Mahler. 2,457,549, Dec. 28.
Apparatus for cooling sewing-machine needles. A. J. Giglio. 2,457,362, Dec. 28.
Apparatus for electrolytically determining the thickness of metal coatings. W. S. Herbert and H. T. Francis. 2,457,234, Dec. 28.
Apparatus for felting fibrous glass. G. Slayter. 2,457,784, Dec. 28.
Apparatus for forming hollow articles of organic plastic material. W. H. Kopitke. 2,457,687, Dec. 28.
Apparatus for grinding. F. G. Krafft. 2,457,383, Dec. 28.
Apparatus for guiding and threading fibers. W. F. Holtschulte and S. D. Philipps. 2,457,777, Dec. 28.
Apparatus for high-speed welding of thermoplastic films. J. F. Graham and H. L. Hearns. 2,457,659, Dec. 28.
Apparatus for inspection of sheet and other materials. Ultra high frequency. C. L. Liskow. 2,457,695, Dec. 28.
Apparatus for making glass film. G. Slayter and H. Snow. 2,457,785, Dec. 28.
Apparatus for manufacture of coated webs. R. L. Melton, R. C. Benner, and H. P. Kirchner. 2,457,256, Dec. 28.
Apparatus for orienting quartz crystals by X-rays. F. E. Haworth. 2,457,555, Dec. 28.
Apparatus for producing filled bags. S. R. Howard. 2,457,237, Dec. 28.
Apparatus for sequentially keying and connecting a plurality of oscillators to a common output circuit. R. F. Wild and F. J. Curran. 2,457,790, Dec. 28.
Apparatus for testing the operation of oxygen supply equipment for aircraft. R. R. Osborne and E. G. Dunsford. 2,457,713, Dec. 28.
Apparatus for welding machines, Material supporting and cooling. D. H. Mitchell and E. C. Moss. 2,457,704, Dec. 28.
Apparatus for winding strands. G. Slayter. 2,457,786, Dec. 28.
Appliance for control of enemata, Medical. O. F. Lamson. 2,457,244, Dec. 28.
Aqueous alkali solution used to extract weakly acidic sulfur compounds from hydrocarbon fluids, Regenerating. D. C. Bond and M. Savoy. 2,457,635, Dec. 28.
Arch supporting device. J. S. MacArthur. 2,457,481, Dec. 28.
Arch supports, Making. W. M. Scholl. 2,457,737, Dec. 28.
Arming device for fuses, Delay. J. F. McCaslin and J. Fink. 2,457,254, Dec. 28.
Arrangement for frequency measurements. C. W. Earp. 2,457,136, Dec. 28.
Artificial hand. F. L. Dale. 2,457,305, Dec. 28.
Artificial leg. K. Marean. 2,457,482, Dec. 28.
Attachment for electric plugs, Fuse. A. La Rizza. 2,457,477, Dec. 28.
Attachment for guns, Subcaliber. J. M. Dial. 2,457,354, Dec. 28.
Automotive vehicle. D. G. Roos. 2,457,400, Dec. 28.
Awning. F. G. Lewis. 2,457,574, Dec. 28.
Axially engaging friction clutch. R. F. Hale. 2,457,367, Dec. 28.
Bag: *See*—
Collapsible lunch or shopping bag.
Bags with nontangling handles, Producing infusion. L. B. Eaton and R. W. Vergobbi. 2,457,216, Dec. 28.
Bait-holding casting bob. F. F. Pazzano. 2,457,715, Dec. 28.
Balancer or leveling mechanism for gasholders. J. H. Wiggins. 2,457,762, Dec. 28.
Bar: *See*—
Wrecking bar.
Bars for concaves, Disappearing tooth. F. M. Moll. 2,457,259, Dec. 28.
Base, Lamp. W. H. von Scheven. 2,457,789, Dec. 28.
Basket, Bicycle. V. Aleks. 2,457,624, Dec. 28.
Battery stripping device, Portable. N. Bemel. 2,457,519, Dec. 28.
Beam. W. J. Hall. 2,457,147, Dec. 28.
Beam, Structural. W. J. Hall and O. J. Crowe. 2,457,148, Dec. 28.
Bender. W. A. Smith. 2,457,410, Dec. 28.
Benzocaine solution. R. Stone. 2,457,188, Dec. 28.
Bevel, Combination. W. Thomas. 2,457,613, Dec. 28.
Bib and tray cover. L. B. Rhowmine. 2,457,725, Dec. 28.
Bicycle, Electric. S. Argyris. 2,457,430, Dec. 28.
Blind flying and blind landing system for aviation flight trainers. C. J. Crane, G. V. Holloman, C. W. Muller, and R. K. Stout. 2,457,130, Dec. 28.
Bonding compositions, Vitreous. D. O. Koch. 2,457,158, Dec. 28.
Bookmarker. J. W. Hamilton. 2,457,662, Dec. 28.
Bottle carrier. M. G. Hall and T. Hurban, Jr. 2,457,307–8, Dec. 28.
Bracelet catch, Foldable. J. Bikoff. 2,457,200, Dec. 28.
Bracket: *See*—
Paint bucket bracket. Removable bracket.
Brake: *See*—
Coaster brake. Hand brake.
Brake apparatus, Fluid pressure. H. J. Butler. 2,457,344, Dec. 28.
Brake control, Automatic. A. O. Roberts and J. J. Wharam. 2,457,729, Dec. 28.
Brake drum assembly. W. D. Davidson. 2,457,852, Dec. 28.
Brassière. B. Harman. 2,457,369, Dec. 28.
Breaker, Chip. L. A. Hillman. 2,457,469, Dec. 28.
Breaking water-in-oil emulsions. M. Savoy. 2,457,735, Dec. 28.
Bridge, Electrical. B. F. McNamee. 2,457,165, Dec. 28.
Bubble cap. D. S. Roberts and R. A. DeLuca. 2,457,398, Dec. 28.
Burial apparatus. W. W. Haase. 2,457,671, Dec. 28.
Burn bath table. N. Owens and R. L. Jewell. 2,457,174, Dec. 28.
Burner: *See*—
Gaseous fuel burner.
Burner apparatus for generating and burning hydrocarbon vapor fuel, Portable. G. P. Kittel and P. Wollner. 2,457,683, Dec. 28.
Burner for brooder stoves. D. B. Tolley. 2,457,614, Dec. 28.
Burner with cooling jacket, Atomizing fuel. J. M. Crowe. 2,457,304, Dec. 28.
Bushing for power cables, Terminal. C. E. Bennett and P. V. White. 2,457,437, Dec. 28.
Bushing, High-voltage. E. Uhlig. 2,457,419, Dec. 28.
Bushing, Jig. A. H. Nolde. 2,457,709, Dec. 28.
Cabinet having pivotally mounted bins. G. J. Lemke. 2,457,248, Dec. 28.
Cable: *See*—
Device for slitting the sheath of a cable. High-tension electric cable.
Cage for roller bearings. B. F. Newton. 2,457,485, Dec. 28.
Camera, Vehicular motion-picture. W. G. Hokett. 2,457,236, Dec. 28.
Cap: *See*—
Bubble cap.
Capacity brush holder. J. M. Brian. 2,457,525, Dec. 28.

Car: *See*—
Shuttle car.
Carburetor. W. E. Leibing. 2,457,570, Dec. 28.
Carburetor. A. H. Winkler. 2,457,765, Dec. 28.
Carrier: *See*—
Bottle carrier.
Carton and display stand. F. W. Wenzel. 2,457,291, Dec. 28.
Catalyst feeder. J. E. A. Graae. 2,457,461, Dec. 28.
Catalytic conversion system. R. J. Hengstebeck. 2,457,232, Dec. 28.
Chain: *See*—
Extension key chain.
Chain snap, Automobile. L. R. Beckman. 2,457,435, Dec. 28.
Chair construction, High. H. M. Wood. 2,457,294, Dec. 28.
Changeable decorative fabric. A. L. Joyce. 2,457,309, Dec. 28.
Cheese pusher. F. B. Branchfield, Sr. 2,457,441, Dec. 28.
Chimney construction. E. O. Howle. 2,457,471, Dec. 28.
Chimney, Insulated. E. O. Howle. 2,457,470, Dec. 28.
Chip breaking attachment for drilling machines. M. C. Taylor. 2,457,795, Dec. 28.
Choke fitting. C. W. Maliphant. 2,457,578, Dec. 28.
Choline chloride, Preparation of. W. F. Gresham. 2,457,226, Dec. 28.
Circuit: *See*—
Antihunting motor control circuit.
Frequency measuring circuit.
Selective signaling circuit.
Temperature regulated cooling circuit.
Voltage control circuit.
Circuit arrangement for producing electrical pulses. P. K. Chatterjea and L. W. Houghton. 2,457,125, Dec. 28.
Circuits, Electron multiplier tube. M. H. Sweet. 2,457,747, Dec. 28.
Circuits, Voltage stabilizing. A. J. H. van der Ven. 2,457,615, Dec. 28.
Clamp: *See*—
Lithographic plate graining machine clamp.
Window clamp.
Clamp for lithographic plate graining machines, Multiple. M. G. Dunn. 2,457,453, Dec. 28.
Clamp for spherical joints. H. Krenz. 2,457,384, Dec. 28.
Capping machine for feeding caps through a high-frequency heating coil. H. G. Vore. 2,457,758, Dec. 28.
Cleanout Y. W. C. and J. R. Turpin. 2,457,418, Dec. 28.
Cleaner: *See*—
Air cleaner.
Cleaning machine, Egg. E. W. Shock. 2,457,324, Dec. 28.
Clip: *See*—
Locking clip.
Clip for attaching decorations and medals. F. G. Lutz and C. P. O'Rourke. 2,457,164, Dec. 28.
Closing tube ends by dipping in molten solder. L. Pessel. 2,457,599, Dec. 28.
Clothespin, Wire. B. O. Schmidt. 2,457,736, Dec. 28.
Clutch: *See*—
Axially engaging friction clutch.
Clutch. R. T. Coffey. 2,457,210, Dec. 28.
Coaster brake. M. Klein. 2,457,241, Dec. 28.
Coated edibles, Chocolate. H. R. Burbank and B. J. Zenlea. 2,457,110, Dec. 28.
Coating compositions and making, Insulating. J. T. Acker, 2,457,515, Dec. 28.
Cock, Gas. W. S. Kincaid. 2,457,779, Dec. 28.
Coil, Deflecting. M. Cawein. 2,457,773, Dec. 28.
Collapsible lunch or shopping bag. C. J. Warner. 2,457,422, Dec. 28.
Comb, Push. H. S. Cloyd. 2,457,446, Dec. 28.
Comb, Thermostatic electrically heated. P. Aeres. 2,457,621, Dec. 28.
Combs, Producing tufted plastic. H. L. Booth. 2,457,440, Dec. 28.
Compositions, Waterproofing plastic. J. A. Bell. 2,457,518, Dec. 28.
Compressor, Rotary axial vane. D. L. Ball. 2,457,298, Dec. 28.
Compressor sealing means, Rotary. E. P. Girard. 2,457,221, Dec. 28.
Concrete block machine. N. B. Hanson. 2,457,368, Dec. 28.
Condenser: *See*—
Internally cooled zinc condenser.
Connection for electric cables, Detachable. J. W. Nelson. 2,457,593, Dec. 28.
Connector: *See*—
Electrical connector.
Plug connector.
Connector for coaxial cable. C. M. Puckette, Jr. 2,457,722, Dec. 28.
Connector for electric receptacles. K. Hoehn. 2,457,235, Dec. 28.
Contact apparatus, Gas and liquid. D. P. Graham. 2,457,658, Dec. 28.
Contact apparatus, Gas and liquid. R. Kopita. 2,457,686, Dec. 28.
Contact devices, Manufacturing sealed. E. B. Ferrell. 2,457,218, Dec. 28.
Container: *See*—
Shipping container.
Container and blank therefor. J. G. Bell. 2,457,198, Dec. 28.
Container and using same. W. D. Brandon. 2,457,120, Dec. 28.
Container suitable for dropping from aircraft and the like. E. R. Campbell, K. M. Frewin, F. W. Lennox, and R. P. Morris. 2,457,205, Dec. 28.
Control apparatus, Failure indicating. H. A. Clarke. 2,457,794, Dec. 28.
Control apparatus for plural motor propulsion systems. A. G. Larson. 2,457,568, Dec. 28.
Control apparatus for prime movers. R. R. Stevens. 2,457,610, Dec. 28.
Control device for storage batteries, Electrolyte level. J. Sandusky. 2,457,322, Dec. 28.
Control mechanism for hydraulic classifiers, Valve. R. O. Stokes. 2,457,412, Dec. 28.
Control mechanism for model airplanes. J. K. Shannon. 2,457,281, Dec. 28.
Control mechanism, Tuning. W. M. Hurst. 2,457,374, Dec. 28.
Control system, Electrical. W. G. Wamsley. 2,457,333, Dec. 28.
Control system for control surfaces and wheel brakes, Aircraft. E. B. Todd. 2,457,508, Dec. 28.
Control system, Relay. G. G. Roberts. 2,457,730, Dec. 28.
Control valve apparatus. G. T. McClure and J. W. Rush. 2,457,584, Dec. 28.
Controlling means, especially for doors. F. Amiot. 2,457,625, Dec. 28.
Conveyance of fluent materials. J. R. Locker. 2,457,387, Dec. 28.
Conveyer switch. J. R. Sebastian. 2,457,408, Dec. 28.
Conveying means for dry printing machines. F. O. Trump. 2,457,753, Dec. 28.
Cooling jacket and cylinder construction. T. L. Sherman. 2,457,183, Dec. 28.
Core making machine. R. D. Baysinger and L. W. Fulton. 2,457,196, Dec. 28.
Correcting deviations in crossrails of machine tools, Method of and apparatus for. L. L. Hercik. 2,457,468, Dec. 28
Corrosion inhibitors in refrigeration system. N. E. Widell. 2,457,334, Dec. 28.
Counter, Ray. H. Metten and F. Koury. 2,457,781, Dec. 28.
Counting apparatus, Tablet. C. C. Fowler and G. T. Clark. 2,457,220, Dec. 28.
Coupling: *See*—
Pipe coupling.
Quick connect self-sealing coupling.
Service coupling.
Shaft coupling.
Coupling arrangement. H. G. Busignies, T. H. Clark, and A. G. Everhart. 2,457,123, Dec. 28.
Coupling for coaxial transmission lines, Phase splitting. R. A. Braden. 2,457,638, Dec. 28.
Cover: *See*—
Bib and tray cover.
Hatch cover.
Covering, Linoleum surface. P. O. Powers. 2,457,600, Dec. 28.
Crater lamp. G. H. Bouchard. 2,457,771, Dec. 28.
Cravat holder. L. J. Biagi. 2,457,341, Dec. 28.
Crimping tool. H. P. Dupre. 2,457,538, Dec. 28.
Crystal mounting. H. S. Bates and S. A. Robinson. 2,457,338, Dec. 28.
Crystal mounting. D. W. Keller. 2,457,563, Dec. 28.
Current commutator machine, Alternating. F. W. Baumann. 2,457,517, Dec. 28.
Cutting machine. D. N. Judelshon. 2,457,310, Dec. 28.
Cutting tool. H. L. Trautmann. 2,457,417, Dec. 28.
Damper, Hydraulic. F. Newton. 2,457,708, Dec. 28.
Denture stress reliever. L. W. Busby. 2,457,529, Dec. 28.
Device for assisting in a hand-labeling operation. E. H. Pierce. 2,457,489, Dec. 28.
Device for coin-freed apparatus, Commodity delivery. A. Jørgensen. 2,457,778, Dec. 28.
Device for dispensing articles. J. G. Carline. 2,457,345, Dec. 28.
Device for hoisting bales. J. W. Rutledge. 2,457,181, Dec. 28.
Device for slitting the sheath of a cable. D. F. Fasoldt. 2,457,540, Dec. 28.
Devices for arresting undulations in bridging structures. M. R. Wolfard. 2,457,426, Dec. 28.
Dispenser: *See*—
Glue dispenser.
Dispenser for poultry, Water. R. S. Kofford. 2,457,159, Dec. 28.
Dispensing apparatus for sheet material. R. G. Birr. 2,457,489, Dec. 28.
Dispensing device. L. Steiner. 2,457,187, Dec. 28.
Display and service tray device, Combined. C. Weissman. 2,457,760, Dec. 28.
Display device for foodstuffs. H. E. Christensen, J. J. Stein, and A. S. Kester. 2,457,302, Dec. 28.
Distributing apparatus, Material. R. M. G. Schiro. 2,457,604, Dec. 28.
Divider, Potential. J. A. Stagnaro. 2,457,787, Dec. 28.
Door: *See* —
Triple sealed icebox door.
Drainage mechanism for fluid storage apparatus, Condensate. J. H. Wiggins. 2,457,763, Dec. 28.
Drawbar, Convertible vehicle. J. J. Suess. 2,457,745, Dec. 28.
Dressing machine for bowling pins. A. C. and J. Vacanti. 2,457,509, Dec. 28.

Drills, Manufacturing twist. H. W. Delaney. 2,457,132, Dec. 28.
Drive mechanism, Antenna. E. H. Karleen. 2,457,562, Dec. 28.
Drying and roasting machine, Matrix. O. R. Simmons. 2,457,282, Dec. 28.
Duck decoy. J. A. Woodhead. 2,457,295, Dec. 28.
Dye printing, Cinematographic. G. F. Rackett. 2,457,319, Dec. 28.
Earring. A. Herman. 2,457,672, Dec. 28.
Educational apparatus. F. A. Wade and W. Metzner. 2,457,332, Dec. 28.
Electric air heater. C. M. Osterheld. 2,457,598, Dec. 28.
Electric soldering iron. G. Gilliver. 2,457,143, Dec. 28.
Electric switch. J. L. Ashford. 2,457,115, Dec. 28.
Electric switch. R. N. Rowe. 2,457,497, Dec. 28.
Electrical connector. P. L. Bour. 2,457,119, Dec. 28.
Electrical motor. H. D. Brailsford. 2,457,637, Dec. 28.
Electrode control. R. L. Hinds. 2,457,675, Dec. 28.
Electrode holder. A. R. Wynn. 2,457,193, Dec. 28.
Electrodepositing composition and bath. R. A. Hoffman. 2,457,152, Dec. 28.
Electromagnetic device, Time element. L. S. Walle. 2,457,617, Dec. 28.
Electron gun for mass spectrometers. N. D. Coggeshall and N. F. Kerr. 2,457,530, Dec. 28.
Electronic saw-tooth wave generator. F. J. Bias and H. W. Lord. 2,457,522, Dec. 28.
Electroplating apparatus. D. G. Van Ornum. 2,457,510, Dec. 28.
Eliminator, Smoke and soot. R. F. Williams. 2,457,292, Dec. 28.
Emulsion-polymerization of butadiene-1,3 hydrocarbons. C. D. McCleary. 2,457,701, Dec. 28.
Emulsions, Breaking. D. C. Bond and M. Savoy. 2,457,634, Dec. 28.
Energy dissipating antivibration device. L. F. Thiry. 2,457,749, Dec. 28.
Engine: *See*—
Internal-combustion engine.
Engine cooling, cylinder, jacket, and head construction. C. F. Pervier. 2,457,717, Dec. 28.
Esters of polyoxyalkylene diols. H. R. Fife and W. J. Toussaint. 2,457,139, Dec. 28.
Evaporator unit. B. C. Johnson. 2,457,561, Dec. 28.
Extension key chain. J. C. Bagnall, Jr. 2,457,195, Dec. 28.
Extracting diastase. I. W. Tucker and A. K. Balls. 2,457,754, Dec. 28.
Fabric: *See*—
Changeable decorative fabric.
Fan, Axial flow. P. A. Sidell. 2,457,325, Dec. 28.
Fan for suction cleaners. E. A. French. 2,457,142, Dec. 28.
Fan, High-temperature. C. Nygren. 2,457,264–5, Dec. 28.
Fan, High-temperature. C. Nygren. 2,457,711, Dec. 28.
Fastening construction. L. H. Flora. 2,457,360, Dec. 28.
Fats and oils, Stabilization of. M. F. Gribbins. 2,457,227, Dec. 28.
Fatty material, Stabilization of. J. R. Shipner. 2,457,741, Dec. 28.
Feed-water heater. J. F. Sebald. 2,457,605, Dec. 28.
Feeder: *See*—
Catalyst feeder.
Poultry feeder.
Feeding attachment, Button blank. J. A. De Marco. 2,457,534, Dec. 28.
Felt articles such as felt boots or footwear, Manufacturing fulled or hardened. G. H. Beetson. 2,457,630, Dec. 28.
Fence repair tool. W. H. Koch. 2,457,382, Dec. 28.
Fiddle. J. R. Beckman. 2,457,629, Dec. 28.
Film advancing mechanism, Intermittent. R. P. Shea. 2,457,409, Dec. 28.
Film extensibility testing method and apparatus. J. A. Van den Akker. 2,457,788, Dec. 28.
Filter: *See*—
Inductively coupled band pass filter.
Filter. J. V. Davis and J. S. Hoffman. 2,457,449, Dec. 28.
Filter element, Cell type. G. D. Burley. 2,457,122, Dec. 28.
Fire alarm trip mechanism. J. P. Santole. 2,457,499, Dec. 28.
Fishing hook and fly. R. B. Worden. 2,457,428, Dec. 28.
Fishing reel. G. J. Sharps. 2,457,323, Dec. 28.
Fixture, Electric-light. G. B. Benander. 2,457,521, Dec. 27.
Flame hardening apparatus. E. A. Furkert. 2,457,654, Dec. 28.
Flavor recovery process, Volatile. H. P. Milleville. 2,457,315, Dec. 28.
Fluid meter. W. F. Aller. 2,457,297, Dec. 28.
Form, Cylindrical hairspring. W. O. Bennett, Jr. 2,457,631, Dec. 28.
Forming and assembling connecting sleeves. J. M. White. 2,457,796, Dec. 28.
Forming dentures from polymerizable acrylic materials. S. Amenta. 2,457,114, Dec. 28.
Forming device, Charge. F. C. Mock. 2,457,171, Dec. 28.
Frequency measuring circuit. R. S. Holmes. 2,457,676, Dec. 28.
Frequency responsive system. J. R. Schoenbaum. 2,457,278, Dec. 28.
Frequency shift keying. G. L. Usselman. 2,457,288, Dec. 28.
Fuel pump. W. E. Leibing. 2,457,571, Dec. 28.
Fungicidal compositions. J. W. Heuberger. 2,457,674, Dec. 28.
Furnace arch and wall structure. W. H. Boyd. 2,457,201, Dec. 28.
Game apparatus, Baseball. H. A. Markussen. 2,457,390, Dec. 28.
Game, Baseball. M. C. Meyer. 2,457,168, Dec. 28.
Garment hanger. H. Goldlust. 2,457,776, Dec. 28.
Garment hanger. K. R. O'Grady. 2,457,486, Dec. 28.
Gas analysis, Microwave. W. D. Hershberger. 2,457,673, Dec. 28.
Gas control valve. R. W. Johnson and C. E. Zarwell. 2,457,378, Dec. 28.
Gas sampling device. W. K. Neuman and H. M. Slosberg. 2,457,707, Dec. 28.
Gas welding rod. J. T. Eash. 2,457,215, Dec. 28.
Gaseous fuel burner. R. H. Solem. 2,457,505, Dec. 28.
Gasket, Spiral wound. S. S. Lippincott. 2,457,694, Dec. 28.
Gauge and making same, Metal foil type strain. W. D. Van Dyke and P. A. Dennis. 2,457,616, Dec. 28.
Gauging apparatus, Pneumatic. F. L. Rupley. 2,457,401, Dec. 28.
Gearing, Engine starter. R. G. Dickens. 2,457,213, Dec. 28.
Gearing, Engine starter. B. W. Jones. 2,457,239, Dec. 28.
Gearing, Mixing machine. L. F. Thiel. 2,457,612, Dec. 28.
Generator: *See*—
Electronic saw-tooth wave generator.
Polyphase oscillation generator.
Resistance sine wave generator.
Glass fibers, Manufacture of. P. Ebaugh. 2,457,775, Dec. 28.
Glider for furniture legs, Adjustable. A. R. Pura. 2,457,723, Dec. 28.
Glue dispenser. F. C. Rodman and J. E. Engel. 2,457,733, Dec. 28.
Golf ball tee. L. S. Harvey. 2,457,670, Dec. 28.
Golf club. M. B. Reach. 2,457,177, Dec. 28.
Golf cup. G. F. Wales. 2,457,759, Dec. 28.
Golf training and recording apparatus. R. Crowley. 2,457,351, Dec. 28.
Governor for railway vehicles, Speed. H. B. Taylor. 2,457,748, Dec. 28.
Governor with switch control. W. J. Williams. 2,457,192, Dec. 28.
Grapple. A. M. Delters. 2,457,135, Dec. 28.
Grease composition. P. R. McCarthy. 2,457,582, Dec. 28.
Grease composition. J. F. McGrogan. 2,457,586, Dec. 28.
Grid construction. Z. J. Atlee. 2,457,626, Dec. 28.
Grinder, Needle. F. Crossman, E. A. Southam, and G. J. Ruhl. 2,457,644, Dec. 28.
Grinder, Tungsten carbide tool. F. P. Slater. 2,457,283, Dec. 28.
Grinding machine, Internal. C. C. Stevens. 2,457,743, Dec. 28.
Grinding machine, Portable pin. F. S. Floeter. 2,457,359, Dec. 28.
Grinding machine with automatic crush dressing mechanism. L. F. Polk. 2,457,318, Dec. 28.
Grip for kitchen utensils. G. A. Novak. 2,457,394, Dec. 28.
Guide for step-by-step switches, Split ring cord. V. F. Miller. 2,457,588, Dec. 28.
Gun control compensating mechanism. F. W. Cunningham. 2,457,532, Dec. 28.
Gun primer mechanism. J. R. Oliver. 2,457,266, Dec. 28.
Gun turret. C. D. Knowlton. 2,457,242, Dec. 28.
Gun, Welding. C. Senn. 2,457,606, Dec. 28.
Gyroscope system. G. L. H. Herondelle. 2,457,150, Dec. 28.
Hair curl pin. D. O. Cross. 2,457,303, Dec. 28.
Hair curling device. F. Susi. 2,457,414, Dec. 28.
Halo nitroalcohol modified aminoplasts. M. J. Scott. 2,457,406, Dec. 28.
Halo nitroparaffin modified aminoplasts. M. J. Scott. 2,457,405, Dec. 28.
Halter for cattle, Breaking lead. J. G. Lawrence. 2,457,246, Dec. 28.
Hand brake. K. Williams. 2,457,764, Dec. 28.
Hanger: *See*—
Adjustable coat and pants hanger.
Garment hanger.
Hatch cover. J. K. Collings. 2,457,129, Dec. 28.
Heat regulating iron. C. H. Sparklin. 2,457,185, Dec. 28.
Heater: *See*—
Electric air heater.
Feedwater heater.
Internal-combustion hot-air heater.
Water heater.
Heater and control means therefor, Space. K. S. Jenson. 2,457,377, Dec. 28.
Heater and making same, Coreless induction. B. Ronay. 2,457,179, Dec. 28.
Heating element, Electric. A. F. Shafter. 2,457,608, Dec. 28.
Helmet. H. C. Harding. 2,457,554, Dec. 28.

High molecular weight products of ethylene. W. E. Hanford and J. R. Roland. 2,457,229, Dec. 28.
High-tension electric cable. C. E. Bennett. 2,457,436, Dec. 28.
Highway warning signal. H. B. Wheeler. 2,457,512, Dec. 28.
Holder: *See*—
Capacity brush holder. Electrode holder.
Cravat holder.
Holder for fasteners. E. L. Krieg. 2,457,689, Dec. 28.
Hydrogenolysis of thiol esters. R. Mozingo. 2,457,392, Dec. 28.
Hydrophilic-organophilic pigments and producing same. M. C. Moore. 2,457,501, Dec. 28.
Hydroxyearboxylic acid. H. A. Bruson and W. D. Niederhauser. 2,457,640, Dec. 28.
Ice-cream packer. L. J. Gilcrest. 2,457,541, Dec. 28.
Implement for detaching insulators, Pulling. G. P. Mitchell. 2,457,258, Dec. 28.
Increasing tackiness of rubber-like materials. I. Williams and C. A. Carlton. 2,457,335, Dec. 28.
Indicating acceleration. C. R. Abraham. 2,457,620, Dec. 28.
Indicating apparatus for furnaces, Phototube control-temperature. A. Warnick. 2,457,289, Dec. 28.
Indicating system, Air-speed. C. H. Townes. 2,457,287, Dec. 28.
Indicator: *See*—
Towel or cloth holder. Proximity and direction indicator.
Maximum demand indicator. Voltage indicator.
Indicator for magnetic actuators, Position. E. F. Sarver. 2,457,403, Dec. 28.
Indicator for threads on sewing machines, Tension. A. H. Larson and C. W. Fox. 2,457,245, Dec. 28.
Inductively-coupled band-pass filter. M. Caweln. 2,457,774, Dec. 28.
Injection mold. G. C. Wilson. 2,457,336, Dec. 28.
Injector-impeller pump. K. R. Lung. 2,457,388, Dec. 28.
Instrument for skin grafting, Surgical. H. M. Brown and M. Barron. 2,457,772, Dec. 28.
Instrument, Moving-coil electric. E. C. Klepp. 2,457,685, Dec. 28.
Instrument useful in the analysis of vibrations in organized living tissue. R. E. Sturm. 2,457,744, Dec. 28.
Internal-combustion engine. J. B. Fisher. 2,457,652, Dec. 28.
Internal-combustion hot-air heater. L. A. Williams, Jr. 2,457,513, Dec. 28.
Internally cooled zinc condenser. E. C. Handwerk, G. T. Mahler, and H. C. Haupt. 2,457,547, Dec. 28.
Iron: *See*—
Electric soldering iron. Heat regulating iron.
Iron oxide catalysts, Preparation of extruded. P. R. Pine and E. C. Ray. 2,457,719, Dec. 28.
Irradiation of liquids using ultraviolet light. W. W. Wesner. 2,457,761, Dec. 28.
Isobutylene rubber, Vulcanization of. J. H. Trepagnier. 2,457,331, Dec. 28.
Jacket with biswing gusset in front and in back. C. E. Enck. 2,457,356, Dec. 28.
Joint: *See*—
Quick disconnect joint.
Joint for pipe lines. C. E. Bennett. 2,457,438, Dec. 28.
Joint, Making rubber articulated. H. M. Dodge. 2,457,647, Dec. 28.
Kit, Softball. H. L. Dunlap. 2,457,454, Dec. 28.
Knitting machine, Hosiery. E. O. Nadon. 2,457,782, Dec. 28.
Lactalbumin, Treating. G. P. Butterfield and L. A. Thorne. 2,457,642, Dec. 28.
Lamp: *See*—
Crater lamp. Reflecting vapor lamp.
Lamp for tiltable beds, Adjustable. D. C. Travis. 2,457,752, Dec. 28.
Lamp socket and resistor. C. S. Penfold. 2,457,488, Dec. 28.
Lamp with secret operation, Trick electrical. A. C. Harjes. 2,457,665, Dec. 28.
Lamp with secret operation, Trick electrical. A. C. Harjes. 2,457,666, Dec. 28.
Latch control mechanism, Hydraulic. E. A. Rockwell. 2,457,732, Dec. 28.
Latex, Thickening. V. Golden. 2,457,542, Dec. 28.
Leveling and training mechanism. C. R. Hanna and L. B. Lynn. 2,457,228, Dec. 28.
Leveling machine. F. L. Mooney. 2,457,172, Dec. 28.
Light: *See*—
Signal system employing polarized light.
Light and rearview mirror, Combined signal. P. A. Chambers. 2,457,348, Dec. 28.
Link construction, Tubular. S. Ritter. 2,457,275, Dec. 28.
Lipstick. C. H. Braselton. 2,457,342, Dec. 28.
Lithographic plate graining machine clamp. M. G. Dunn. 2,457,452, Dec. 28.
Loading and conveying mechanism, Coal. R. Peale and R. Peale, Jr. 2,457,267, Dec. 28.
Loading and stacking machine. C. A. Carlson and A. W. Bittner. 2,457,346, Dec. 28.
Locating apparatus, Radio. P. E. Pollard. 2,457,396, Dec. 28.
Lock. L. M. Dyson. 2,457,650, Dec. 28.
Lock. H. G. Voight and S. Oxhandler. 2,457,757, Dec. 28.
Locking clip. R. W. Pritchard, Jr. 2,457,272, Dec. 28.
Locking means for dividers. W. L. Jameson and F. L. Rogers. 2,457,474, Dec. 28.
Locking means, Screw. G. P. Lum. 2,457,697, Dec. 28.
Low-methoxyl pectinic acids from aluminum-pectin compositions, Production of. W. D. Maclay, A. D. Shepherd, R. M. McCready, and R. P. Graham. 2,457,577, Dec. 28.
Lower polymer of glycidyl sorbate and making it. A. B. Boese, Jr. 2,457,300, Dec. 28.
Lubricating device. F. J. Bogard. 2,457,770, Dec. 28.
Lubrication device, Motor vehicle front wheel. P. D. Douglass. 2,457,537, Dec. 28.
Machine for operating on heddles. R. P. Drake. 2,457,649, Dec. 28.
Machine for removing the wax caps from honeycombs. W. T. Brand. 2,457,301, Dec. 28.
Manifolding device. D. G. Dalby. 2,457,448, Dec. 28.
Mass spectrometry. R. V. Langmuir. 2,457,162, Dec. 28.
Maximum demand indicator. R. A. Tollefsen and R. A. Hunt. 2,457,286, Dec. 28.
Measuring and control system. A. J. Hornfeck. 2,457,558, Dec. 28.
Measuring apparatus, Temperature. C. J. Thompson. 2,457,751, Dec. 28.
Measuring system, Electrical. C. M. Rifenbergh. 2,457,727, Dec. 28.
Measuring valve. T. M. Costakos. 2,457,531, Dec. 28.
Meat tendering machine. A. H. Ahrndt. 2,457,622, Dec. 28.
Merry-go-round. W. W. Dittmar. 2,457,355, Dec. 28.
Metal articles, Assembling. R. R. Kubic and C. H. Nylander. 2,457,691, Dec. 28.
Meter: *See*—
Fluid meter. Torque meter.
Meter construction, Fluid. R. A. Norbom. 2,457,710, Dec. 28.
Methyl siloxane gums and elastomers. R. H. Krieble and J. R. Elliott. 2,457,688, Dec. 28.
Mixer: *See*—
Vertical mixer.
Moistener and dispenser, Towel paper. G. K. R. Winzer. 2,457,293, Dec. 28.
Mold: *See*—
Injection mold.
Mold construction. P. E. Hawkinson. 2,457,370, Dec. 28.
Molding, Weatherstrip. C. F. Kramer. 2,457,312, Dec. 28.
Monoethenoic acids and their esters, Preparation of. D. Swern and W. C. Ault. 2,457,611, Dec. 28.
Monoolefin carbon monoxide polymers by reaction with basic compounds, Modification of preformed. S. L. Scott. 2,457,279, Dec. 28.
Monoolefin/carbon monoxide polymers, Modification of preformed. P. S. Pickney. 2,457,271, Dec. 28.
Motor: *See*—
Electrical motor.
Mounting: *See*—
Crystal mounting. Sliding door mounting.
Resilient mounting. Sunshade mounting.
Mounting for piezoelectric crystals. F. Gray. 2,457,145, Dec. 28.
Mounting for rear-vision mirrors. H. G. Brooks. 2,457,639, Dec. 28.
Mounting for vibratory bodies. P. E. Berry. 2,457,340, Dec. 28.
Mower attachment for tractors. W. K. Leicy. 2,457,693, Dec. 28.
N-tertiary alkyl amides and preparing same. W. F. Gresham and W. E. Grigsby. 2,457,660, Dec. 28.
Needle, Incision. I. Kallenbach. 2,457,379, Dec. 28.
Network, Time-delay. M. J. Di Toro. 2,457,212, Dec. 28.
Nicking machine, Billet. A. H. Yoch and W. W. Rice, Jr. 2,457,337, Dec. 28.
Nitroparaffin modified aminoplasts. M. J. Scott. 2,457,404, Dec. 28.
Noise control or reproduced sound, Method and apparatus for. H. F. Olson and J. Preston. 2,457,712, Dec. 28.
Nozzle, Fire hose. D. Brown. 2,457,526, Dec. 28.
Oil dilution and primer system for internal-combustion engines. E. A. Sherrill. 2,457,739, Dec. 28.
Oiler for internal-combustion engines, Top cylinder. W. A. Maclay. 2,457,389, Dec. 28.
Oils from plants, Making scenting essential. A. Brasch. 2,457,203, Dec. 28.
1,2-expoxides and their preparation. D. Swern and G. N. Billen. 2,457,328, Dec. 28.
Optical objective system, Reflecting. C. W. Martin. 2,457,253, Dec. 28.
Optical sighting device having reflector means for tracking movable objects. E. H. Goldsmith, R. V. Terry, and J. W. Schaefer. 2,457,543, Dec. 28.
Organo-siloxanes and making them. J. F. Hyde. 2,457,677, Dec. 28.
Oscillation generators, Ultra high frequency. F. H. Taylor. 2,457,189, Dec. 28.
Oscillator, Microwave. A. E. Anderson. 2,457,194, Dec. 28.
Overload control with nonlinear resistance in output, Facsimile. R. C. Curtis. 2,457,131, Dec. 28.
Oxygenated compound with bisulfite adducts, Separation of. V. F. Michael and S. W. Walker. 2,457,257, Dec. 28.
Packaging articles. M. A. Beckmann. 2,457,197, Dec. 28.
Packless globe valve. G. H. Hufferd and G. O. R. Lindgren. 2,457,472, Dec. 28.
Paint bucket bracket. W. H. Welsh. 2,457,290, Dec. 28.
Pectic enzyme preparations fortified with pectinesterase. E. F. Jansen and H. Lineweaver. 2,457,560, Dec. 28.

Pen, Dual fountain. M. Ernst. 2,457,217, Dec. 28.
Penicillins, Producing. R. B. McCormack. 2,457,585, Dec. 28.
Pessaries, Manufacture of. J. F. Clark. 2,457,349, Dec. 28.
Phenol-aldehyde reaction products and the product thereof, Making. D. V. Redfern. 2,457,493, Dec. 28.
Phenol-aldehyde sealing agent and making the same. S. S. Kurtz, Jr., and J. S. Sweely. 2,457,160, Dec. 28.
Phonograph, Automatic. C. R. Hart. 2,457,668, Dec. 28.
Phonograph record. J. H. Hunter. 2,457,154, Dec. 28.
Pin: *See*—
Hair curl pin.
Pipe coupling. V. P. Donner. 2,457,648, Dec. 28.
Pitch changing mechanism. G. J. Smith-Pert and A. G. Forsyth. 2,457,609, Dec. 28.
Pivoted outer-jaw pipe wrench. C. H. Green. 2,457,223, Dec. 28.
Plant, Turbine compressor. F. Nettel and J. Kreitner. 2,457,594, Dec. 28.
Plow attachment for tractors. W. S. Lansing. 2,457,163, Dec. 28.
Plow, Disk. L. C. Hester. 2,457,151, Dec. 28.
Plug: *See*—
Rotary locking screw plug.
Plugboard arrangements. J. F. Merkel. 2,457,703, Dec. 28.
Plug connector. G. B. Benander. 2,457,520, Dec. 28.
Plunger for relays, Time-delay. J. P. Keating and G. L. Welmer. 2,457,681, Dec. 28.
Polydioxolane, Preparation of. W. F. Gresham. 2,457,224, Dec. 28.
Polymeric ethylene, Fractionation of. E. Hunter and R. B. Richards. 2,457,238, Dec. 28.
Polymerizable composition. S. E. Glick. 2,457,657, Dec. 28.
Polymers of hexadiene-1,5, Synthetic. H. Dreyfus and C. Bonard. 2,457,306, Dec. 28.
Polymers of 9,10-epoxyoctadecanol and their preparation. D. Swern and G. N. Billen. 2,457,329, Dec. 28.
Polymers, Producing high boiling. H. W. Grote, R. L. Swoope, and C. S. Brearley, Jr. 2,457,146, Dec. 28.
Polyphase oscillation generator. E. M. S. McWhirter and R. H. Dunn. 2,457,166, Dec. 28.
Polyvinyl acetal resins. G. O. Morrison, F. P. Lossing, A. H. Heatley, and J. F. L. M. Germain. 2,457,261, Dec. 28.
Polyvinyl boronates and producing same. P. L. Salzberg and F. K. Signaigo. 2,457,603, Dec. 28.
Poultry feeder. D. R. Ballard. 2,457,432, Dec. 28.
Power tool. L. F. Kott. 2,457,565, Dec. 28.
Prefractionation of hydrocarbon alkylate to eliminate propane. L. Kniel. 2,457,564, Dec. 28.
Press for the covering of electrode rods. K. Gloor. 2,457,459, Dec. 28.
Pressure device, Shoe sole. S. Plawker. 2,457,720, Dec. 28.
Printer, Fragmentary character. E. M. Deloraine. 2,457,133, Dec. 28.
Prod, Safety. S. H. Sorensen. 2,457,506, Dec. 28.
Projection apparatus for chance selected indicia. H. E. Seaman. 2,457,280, Dec. 28.
Projection apparatus, Optical. K. Mitchell. 2,457,170, Dec. 28.
Projection cathode-ray tube. L. W. Parker. 2,457,175, Dec. 28.
Projector for liquid and pulverulent or small material. G. S. Higginson. 2,457,557, Dec. 28.
Propeller, Airplane, and adjusting same. J. G. Littrell. 2,457,576, Dec. 28.
Propeller blades, Making internally reinforced hollow. G. W. Brady. 2,457,202, Dec. 28.
Prosthetic wrist. J. K. Northrop and M. J. Nagy. 2,457,316, Dec. 28.
Protecting device for aircraft personnel, Body. J. Martin. 2,457,252, Dec. 28.
Protective system. G. D. Hanchett, Jr. 2,457,663, Dec. 28.
Protector for trigger hands, Finger. W. Ugazio and E. C. Boccafogli. 2,457,755, Dec. 28.
Proximity and direction indicator. F. E. Best. 2,457,199, Dec. 28.
Pteroic acid amides, Purification of. B. L. Hutchings. 2,457,375, Dec. 28.
Pump: *See*—
Fuel pump. Wobble plate pump.
Injector-impeller pump.
Variable displacement gear pump.
Pump and packing therefor, Rotary. M. Caserta. 2,457,643, Dec. 28.
Pusheart assembly. G. Soha. 2,457,742, Dec. 28.
Pyridine compound, Substituted. J. H. Mowat. 2,457,484, Dec. 28.
Quartz lamp assembly. R. R. Davis. 2,457,353, Dec. 28.
Quick connect self-sealing coupling. B. A. Main, Jr. 2,457,251, Dec. 28.
Quick disconnect joint. S. P. Bird. 2,457,523, Dec. 28.
Radio-frequency parallel bonding. G. F. Russell and J. W. Mann. 2,457,498, Dec. 28.
Radio locating equipment. H. F. Mayer. 2,457,580, Dec. 28.
Radio system for transmission and reception on the same frequency. M. L. Doelz. 2,457,134, Dec. 28.
Rail retaining and spike fastening means. G. W. Muller. 2,457,592, Dec. 28.
Rail track fastening. H. L. Rushing. 2,457,180, Dec. 28.
Razor, Safety. W. L. Mills. 2,457,590, Dec. 28.
Reading aid for the blind. L. E. Flory. 2,457,456, Dec. 28.
Receiver, Angle modulated carrier. W. L. Carlson. 2,457,207, Dec. 28.
Recessing tool. H. J. Pfrehm. 2,457,269, Dec. 28.
Reclamation system, Material. R. L. McIlvaine. 2,457,587, Dec. 28.
Recorder with friction drive device incorporated within the magazine, Magnetic. R. A. Marsen. 2,457,690, Dec. 28.
Recording device. H.-G. Doll and G. K. Miller. 2,457,214, Dec. 28.
Rectifier. C. A. Escoffery and W. H. Hawk. 2,457,138, Dec. 28.
Rectifier elements, Electroforming. M. J. Stateman. 2,457,186, Dec. 28.
Rectifier elements, Manufacturing of. A. J. Miller and J. W. Fleisher. 2,457,169, Dec. 28.
Reel: *See*—
Fishing reel.
Reel for grain harvesters. R. A. Press. 2,457,499, Dec. 28.
Reflecting vapor lamp. G. C. Singer. 2,457,503, Dec. 28.
Refreshment bar and partitioning screen, Convertible. D. L. Doggett and W. Schier. 2,457,536, Dec. 28.
Regeneration of alumina adsorbents by oxidation. K. A. Krieger and H. Heinemann. 2,457,566, Dec. 28.
Regeneration of synthetic metal silicate adsorbents by oxidation. H. Heinemann and K. A. Krieger. 2,457,556, Dec. 28.
Relay for use with alternating current of variable frequency and voltage, Electric. C. E. Randall. 2,457,724, Dec. 28.
Relay, Glow. A. L. Peacock and B. A. Jensen. 2,457,487, Dec. 28.
Remote control system. C. E. Seymour. 2,457,607, Dec. 28.
Removable bracket. C. H. S. Hunter. 2,457,373, Dec. 28.
Repeater for pulse communication system. G. H. Huber. 2,457,559, Dec. 28.
Resilient mounting. E. P. Neher. 2,457,706, Dec. 28.
Resinous compositions. W. B. Clark. 2,457,209, Dec. 28.
Resinous esters of polyhydric alcohols with polymers of styrene and resin acids and preparation thereof. J. A. Arvin and W. B. Gitchel. 2,457,769, Dec. 28.
Resistance grid and assembling. C. H. Rockwood and D. J. Sikorra. 2,457,399, Dec. 28.
Resistance sine wave generator. A. G. Richardson and T. H. Clark. 2,457,178, Dec. 28.
Resistor and making. J. W. Jira. 2,457,678, Dec. 28.
Resistor for electric discharge devices. T. C. Sargent. 2,457,734, Dec. 28.
Retainer, Magnetic. C. W. Warren. 2,457,421, Dec. 28.
Rheostat control, Water. V. Chadwick and O. I. E. Hallberg. 2,457,124, Dec. 28.
Rink, Ice skating. R. J. Yocum. 2,457,619, Dec. 28.
Rod: *See*—
Gas welding rod.
Roller mill with adjustably and yieldably mounted roller, Belt driven. W. P. Blake. 2,457,632, Dec. 28.
Roller wheel. C. Wolf and N. M. Foulds. 2,457,424, Dec. 28.
Rotary locking screw plug. W. J. Sherman, Sr. 2,457,184, Dec. 28.
Safe failure measuring and controlling apparatus. R. F. Wild. 2,457,791, Dec. 28.
Safety device for breech loading guns. W. V. Goodhue and E. C. Gill. 2,457,222, Dec. 28.
Safety shoes, Making. W. G. Greenan. 2,457,463, Dec. 28.
Salts of ascorbosalicylate, Preparing double. J. G. Freeman. 2,457,141, Dec. 28.
Saw, Power operated tractor mounted tree felling. K. R. Ware. 2,457,511, Dec. 28.
Scale mechanism, Hydraulic. R. A. Gifford. 2,457,655, Dec. 28.
Scanning unit. M. Alden. 2,457,113, Dec. 28.
Scrubber, Gas. R. R. Harmon. 2,457,667, Dec. 28.
Seal, Adjustable fluid. A. J. Solari. 2,457,284, Dec. 28.
Seal, Fluid. A. J. Rosenberger. 2,457,320, Dec. 28.
Sealed switch. H. Hubbell. 2,457,153, Dec. 28.
Sealing device. G. A. Borg. 2,457,633, Dec. 28.
Sealing metal to glass. L. C. Goodale. 2,457,144, Dec. 28.
Seat: *See*—
Toilet seat.
Sectionizer, Fruit. W. W. Cummings. 2,457,645, Dec. 28.
Securing webbing strips to furniture frames, Means of. P. G. Braunschweiger. 2,457,343, Dec. 28.
Sedimentation apparatus. P. L. Wigton. 2,457,191, Dec. 28.
Seesaw, Swinging. E. C. Bailey. 2,457,627, Dec. 28.
Selective signaling circuit. J. A. Herbst. 2,457,149, Dec. 28.
Sensitometer employing repeating wedge modulator. M. H. Sweet. 2,457,746, Dec. 28.
Service coupling. A. Letvin. 2,457,478, Dec. 28.
Serving apparatus, Material. Y. A. Bouget. 2,457,636, Dec. 28.
Servomotor, Pressure fluid follow-up. H. W. Price. 2,457,721, Dec. 28.
Servo system, Electric antihunt. J. P. Toner. 2,457,330, Dec. 28.

Set of knockdown furniture. L. E. Steinberger. 2,457,411, Dec. 28.
Sewing case and pincushion, Combined. J. A. Zampino. 2,457,767, Dec. 28.
Shaft coupling. N. B. Strachovsky. 2,457,507, Dec. 28.
Sharpener, Knife. W. R. Pancoast. 2,457,714, Dec. 28.
Shield for gun mounts. J. C. Jorgensen. 2,457,240, Dec. 28.
Shipping assembly. G. H. Norquist. 2,457,262, Dec. 28.
Shipping container. F. L. and C. E. McGary. 2,457,702, Dec. 28.
Shoe, Safety. R. B. Harrison. 2,457,664, Dec. 28.
Shoe tree. G. Albino. 2,457,623, Dec. 28.
Shoe tree and shoeshine bracket, Combination. V. Clair. 2,457,445, Dec. 28.
Shoe with sheath form of upper. D. E. Levin. 2,457,573, Dec. 28.
Shower unit, Portable. L. L. Werner. 2,457,190, Dec. 28.
Shutter for cameras, Sliding focal plane. J. J. Jones. 2,457,679, Dec. 28.
Shuttle car. A. L. Lee. 2,457,569, Dec. 28.
Signal: *See*—
Highway warning signal.
Signal system employing polarized light. J. O'D. Shepherd. 2,457,502, Dec. 28.
Signaling. H. O. Peterson. 2,457,268, Dec. 28.
Signaling system, Electric. A. Brown and T. A. Marshall. 2,457,121, Dec. 28.
Signaling system for two-way dialing over radio and carrier telephone circuits. E. H. B. Bartelink. 2,457,434, Dec. 28.
Sinker for deep-sea and beach fishing. J. H. Flaugher. 2,457,358, Dec. 28.
Sizing machine, Steam. W. Kaplan. 2,457,476, Dec. 28.
Slicer, Butter. R. R. Perkins. 2,457,716, Dec. 28.
Sliding door mounting. D. Ramsey. 2,457,491, Dec. 28.
Sock support. O. K. Gjertsen. 2,457,363, Dec. 28.
Socket for gaseous discharge lamps. S. Levenson. 2,457,780, Dec. 28.
Soldering stand assembly. G. H. Norquist. 2,457,263, Dec. 28.
Speed device. C. A. Girod. 2,457,458, Dec. 28.
Spindle adapter. J. C. Renfroe. 2,457,273, Dec. 28.
Spinning artificial filamentous products, Method and apparatus for. E. D. Copson and R. J. Taylor. 2,457,350, Dec. 28.
Sponge polychloroprene rubber, Manufacture of. N. A. Klemp. 2,457,684, Dec. 28.
Sponge rubber garment product. A. C. Fischer. 2,457,219, Dec. 28.
Spring: *See*—
Vehicle spring.
Spring means for minimizing undulations in suspension bridges. M. R. Wolfard. 2,457,427, Dec. 28.
Stabilizing devices for resilient structures. M. R. Wolfard. 2,457,425, Dec. 28.
Stand: *See*—
Carton and display stand.
Starting and generator-driving mechanism for engines. R. S. Kidd. 2,457,311, Dec. 28.
Steel sheets, Making corrugated galvanized. N. P. Veeder. 2,457,420, Dec. 28.
Steering mechanism and follow-up control valve therefor, Power. E. J. Ringer. 2,457,728, Dec. 28.
Steering mechainsm, Power. T. H. Thomas. 2,457,750, Dec. 28.
Step and ramp appliance for vehicles, Retractable. R. J. Kelberer. 2,457,380, Dec. 28.
Sterilizer. J. J. Scandura. 2,457,500, Dec. 28.
Stoker, Furnace. E. O. White. 2,457,423, Dec. 28.
Strand testing. S. L. Ross. 2,457,276, Dec. 28.
Stretch-forming apparatus, including a segmental die connected at opposite ends to shiftable vises. R. E. Martin. 2,457,483, Dec. 28.
Stripping of spent catalyst in a hydrocarbon conversion process. P. F. McElherne. 2,457,255, Dec. 28.
Structural member, Tubular section. S. Macomber. 2,457,250, Dec. 28.
Structure and surface covering therefor, Surface covered. G. K. Blemesderfer, Jr. 2,457,299, Dec. 28.
Structure, Electrical outlet. L. R. Casler and L. F. Milner. 2,457,347, Dec. 28.
Strut, Electrically and hydraulically operated extensible. M. V. Hartman. 2,457,467, Dec. 28.
Styrene distillation. T. A. Gadwa. 2,457,361, Dec. 28.
Styrene-oil soluble natural resin-drying oil interpolymer. J. A. Arvin and W. B. Gitchel. 2,457,768, Dec. 28.
Succinic ester synthesis. W. F. Gresham. 2,457,111, Dec. 28.
Sunshade mounting. C. E. Lipuma. 2,457,479, Dec. 28.
Support: *See*—
Sock support.
Support for conveyor belts, Roller. J. R. Sebastian. 2,457,407, Dec. 28.
Support for washing windows, Suspender window. C. Mariash. 2,457,698, Dec. 28.
Suppressor for moisture meters, Static. R. S. Hart. 2,457,669, Dec. 28.
Surgical instrument. L. L. Grose. 2,457,464, Dec. 28.
Suspension for farm wagons, Resilient. G. E. Richards. 2,457,397, Dec. 28.
Suspension system, Balance-testing machine rotor. C. H. Phelps. 2,457,718, Dec. 28.
Switch: *See*—
Antenna disconnecting switch.
Conveyer switch.
Electric switch.
Sealed switch.
Tire deflation switch.
Switch operating system, Time-delay. D. J. Abercrombie, E. A. Brettingham-Moore, and W. T. Muscio. 2,457,112, Dec. 28.
Switching system, Electronic. J. H. Newitt. 2,457,173, Dec. 28.
Synthesis of esters. R. E. Brooks. 2,457,204, Dec. 28.
Synthesis of unsaturated ketones. G. E. Lukes and R. C. Swann. 2,457,696, Dec. 28.
Syringe, Hypodermic. M. L. Lockhart. 2,457,313, Dec. 28.
Table: *See*—
Burn bath table.
Takedown bow. F. B. Bear. 2,457,793, Dec. 28.
Tape, Ladder. G. F. Brent. 2,457,442, Dec. 28.
Television, Color. G. C. Sziklai. 2,457,415, Dec. 28.
Temperature regulated cooling circuit. F. Wiesendanger. 2,457,618, Dec. 28.
Tensioning device, Yarn. B. Dewas. 2,457,450, Dec. 28.
Terminal bushing, Electrical. R. S. Diethert. 2,457,535, Dec. 28.
Thermometer, Clinical. L. Eisele. 2,457,455, Dec. 28.
Thresher concave with rubber thresher bars. E. J. Johnson. 2,457,680, Dec. 28.
Tie rod end installation. D. E. Cave. 2,457,444, Dec. 28.
Tire deflation switch. W. C. Laidlaw. 2,457,161, Dec. 28.
Toilet seat. H. Richards. 2,457,726, Dec. 28.
Tongs, Lifting. A. W. Dalferes. 2,457,646, Dec. 28.
Tool: *See*—
Crimping tool.
Cutting tool.
Fence repair tool.
Power tool.
Recessing tool.
Tools, Making internal wrenching. L. C. Domack. 2,457,451, Dec. 28.
Tools, Manufacturing diamond studded. J. P. Jones. 2,457,156, Dec. 28.
Torque meter. E. J. Martin and W. E. Sargeant. 2,457,700, Dec. 28.
Towel or cloth holder. L. L. Rifken. 2,457,274, Dec. 28.
Toy. S. K. Lipschitz. 2,457,249, Dec. 28.
Toy, Animated. T. H. Phillips. 2,457,270, Dec. 28.
Toy for children, Carousel. I. Cohn. 2,457,447, Dec. 28.
Toy, Knockapart. G. E. Froelich. 2,457,653, Dec. 28.
Toys, more particularly toy merry-go-round. H. R. Goodale. 2,457,460, Dec. 28.
Traction device for vehicle wheels. G. F. Carpenter. 2,457,208, Dec. 28.
Trailer. B. N. McCain. 2,457,581, Dec. 28.
Trailer, Boat. R. F. Kuns. 2,457,567, Dec. 28.
Trailer, Boat. I. L. Owens. 2,457,395, Dec. 28.
Transformer and connection for starting arc lamps. D. Reichinstein. 2,457,494, Dec. 28.
Transforming arrangement, Electric. C. S. Bull. 2,457,528, Dec. 28.
Transmission, Hydrodynamic. L. E. La Brie. 2,457,692, Dec. 28.
Transmission, Universal reduction gear. J. Lewit. 2,457,385, Dec. 28.
Transmission, Variable-speed. A. G. Bade. 2,457,431, Dec. 28.
Transmitting apparatus, Impulse. J. B. R. Kilholm. 2,457,381, Dec. 28.
Trap: *See*—
Animal trap.
Tray. H. A. Stepner. 2,457,285, Dec. 28.
Tray, Desk. M. Gluckman. 2,457,364, Dec. 28.
Treating bituminous shales. J. L. M. Fréjacques. 2,457,457, Dec. 28.
Treatment of chloromethyl-substituted polysiloxanes. J. R. Elliott and R. H. Krieble. 2,457,539, Dec. 28.
Trigger for firearms. V. G. Yawman. 2,457,296, Dec. 28.
Triple sealed icebox door. H. E. Ross. 2,457,496, Dec. 28.
Trolley for electric cranes. E. W. Burroughs, Sr., W. J. Byrd, and M. P. Seawell. 2,457,443, Dec. 28.
Trolley glider. W. W. Sloane. 2,457,326, Dec. 28.
Trolley wire tap. R. Kiser. 2,457,682, Dec. 28.
Trousers. M. Gray. 2,457,462, Dec. 28.
Truck, Industrial. P. R. Guerin. 2,457,366, Dec. 28.
Truck, Lateral shifting caster. R. A. Shields. 2,457,783, Dec. 28.
Truck, Railway car. E. B. Schrock. 2,457,182, Dec. 28.
Tube: *See*—
Projection cathode - ray tube.
Ultra high frequency tube.
Tube and making the same, Electron. H. Eaves and P. D. Williams. 2,457,651, Dec. 28.
Tubes, Method and apparatus for forming wood veneer plywood. J. J. Snoke. 2,457,504, Dec. 28.
Turbine apparatus. A. S. King, Jr. 2,457,157, Dec. 28.
Turbine control, Gas. A. W. Orr, Jr. 2,457,595, Dec. 28.
Turbine wheel. A. H. Stevenson. 2,457,327, Dec. 28.
2-amino-4-hydroxy-6-methy-pyrimido 4,5-b pyrazine, Preparing. J. H. Boothe. 2,457,109, Dec. 28.
Two-position pitch-changing mechanism. H. H. Roby. 2,457,731, Dec. 28.
Ultra high frequency system. C. W. Earp and C. E. Strong. 2,457,137, Dec. 28.
Ultra high frequency tube. N. Rochester. 2,457,495, Dec. 28.
Undergarment. W. P. Morris. 2,457,260, Dec. 28.
Underreamer. R. C. Baker. 2,457,628, Dec. 28.

Vacuum apparatus for investment of patterns. J. R. Vest. 2,457,756, Dec. 28.
Vacuum drying. J. M. Baer. 2,457,116, Dec. 28.
Vacuumizing apparatus, Container controlled. A. L. Kronquest. 2,457,690, Dec. 28.
Valve: *See*—
Gas control valve.
Measuring valve.
Packless globe valve.
Valve. F. J. Raybould. 2,467,492, Dec. 28.
Valve for internal-combustion engines, Rotary. B. G. Carlson. 2,457,206, Dec. 28.
Variable displacement gear pump. C. E. Grosser. 2,457,465, Dec. 28.
Vehicle: *See*—
Automotive vehicle.
Vehicle lighting, Motor. E. C. De Smet and J. W. Dickason. 2,457,211, Dec. 28.
Vehicle spring. J. B. Kucera. 2,457,243, Dec. 28.
Vehicle wheel. H. Griebat. 2,457,365, Dec. 28.
Vent, overflow, and ladder unit, for storage tanks. R. A. Jackson. 2,457,155, Dec. 28.
Vertical mixer. W. F. Dehuff. 2,457,533, Dec. 28.
Vessel, Spheroidal pressure. H. C. Boardman. 2,457,118, Dec. 28.
Vibrator. R. O. Stokes and G. Kopp. 2,457,413, Dec. 28.
Vinyl alkyl ethers, Polymerizing. F. Grosser. 2,457,661, Dec. 28.
Viscosimeter. W. D. Lawshe. 2,457,247, Dec. 28.
Voltage control circuit. S. Frankel. 2,457,140, Dec. 28.
Voltage indicator. A. Liebscher. 2,457,575, Dec. 28.
Washing machine. J. B. Leonard. 2,457,572, Dec. 28.
Water barrier. F. J. Churnell. 2,457,128, Dec. 28.
Water heater. C. M. Osterheld. 2,457,596-7, Dec. 28.
Wave generating system. A. Preisman. 2,457,176, Dec. 28.
Wave guide repeater. A. E. Bowen. 2,457,524, Dec. 28.
Wave translating apparatus. D. H. Ring. 2,457,601, Dec. 28.
Wax treatment of uncured rubber goods. F. H. Bunn. 2,457,641, Dec. 28.
Wedge, Headlock. R. W. Rodgers. 2,457,602, Dec. 28.
Welder, Alternating current vertical. E. A. Hobart and R. T. Flora. 2,457,372, Dec. 28.
Well conditioning apparatus. M. Schlumberger. 2,457,277, Dec. 28.
Wheel: *See*—
Roller wheel.
Turbine wheel.
Vehicle wheel.
Wheel and brake drum organization. R. B. Temple. 2,457,416, Dec. 28.
Wheel device, Rotary screw. A. Lysholm. 2,457,314, Dec. 28.
Wheel suspension, Vehicle torsion bar individual. H. C. McCaslin. 2,457,583, Dec. 28.
Wheels, Making abrasive cutoff. H. V. Allison. 2,457,516, Dec. 28.
Windmill, Air power. D. B. Wood. 2,457,514, Dec. 28.
Winding element, Fluidproof. F. J. Sigmund and W. S. Hlavin. 2,457,740, Dec. 28.
Window clamp. M. R. Olsen. 2,457,317, Dec. 28.
Wiper assembly for step-by-step switches. V. F. Miller. 2,457,589, Dec. 28.
Wire curling apparatus and method. F. D. Moran. 2,457,705, Dec. 28.
Wire-stranding machine. A. J. Roetting. 2,457,402, Dec. 28.
Wobble plate pump. A. Bertea. 2,457,339, Dec. 28.
Wrapping machine, Blade. C. N. Henshaw. 2,457,233, Dec. 28.
Wrapping wire on terminals, Method of and device for. F. W. Johnson. 2,457,475, Dec. 28.
Wrecking bar. W. F. Henderson. 2,457,231, Dec. 28.
Wrench: *See*—
Pivoted outer-jaw pipe wrench.
Zinc vapor, Condensing. E. C. Handwerk and G. T. Mahler. 2,457,548, Dec. 28.
Zinc dust, Melting. E. C. Handwerk, G. T. Mahler, and H. C. Haupt. 2,457,553, Dec. 28.
Zinc smelting, Vertical retort process for. E. C. Handwerk and G. T. Mahler. 2,457,552, Dec. 28.
Zinc vapor, Condensing. E. C. Handwerk, G. T. Mahler, and H. C. Haupt. 2,457,544, Dec. 28.
Zinc Vapor, Condensing. E. C. Handwerk, G. T. Mahler, and H. C. Haupt. 2,457,545, Dec. 28.
Zinc vapor, Condensing. E. C. Handwerk, G. T. Mahler, and H. C. Haupt. 2,457,546, Dec. 28.
Zinc vapor, Condensing. G. T. Mahler and E. C. Handwerk. 2,457,550, Dec. 28.
Zinc vapor, Condensing. S. Robson. 2,457,551, Dec. 28.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 28, 1948

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

TETER *v.* KEARBY

No. 5439. Decided June 1, 1948. Petition for rehearing denied September 30, 1948

[169 F.2d 808; 79 USPQ 65]

1. APPLICATION—CONTINUING—EFFECTIVE DATE OF DISCLOSED BUT UNCLAIMED MATTER.

Held that a continuing application by the same inventor is entitled to the date of an earlier filed application if the subject matter is continued before the Patent Office, and it is immaterial that the subject matter in the last continuing case is claimed for the first time and that no previous claim was made of the subject matter in the earlier filed case.

2. SAME—SAME—SAME.

Where one invention which is clearly disclosed in an application is not there claimed, but is subsequently claimed in a co-pending application by the same applicant, the first filing will be deemed a constructive reduction to practice and the later application will be given the filing date of the earlier one.

3. APPLICATION—JOINT CONVERTED TO SOLE—SOLE ENTITLED TO FILING DATE OF JOINT.

Where appellee and another jointly filed three applications with identical disclosures, the third being a division of the first, and subsequently, after the issuance of patents on the first two applications, the third application was converted to a sole application of appellee, *Held* that since appellee acted in good faith and with diligence to convert the joint application to a sole application, under the doctrine of *In re Roberts*, 49 App. D. C. 250, the sole application is entitled to the benefit of the date of that joint application, and since that application is clearly entitled to the filing date of the first joint application, the sole application of appellee is entitled to that earliest filing date.

4. INTERFERENCE—TESTIMONY.

It is fundamental that neither party is compelled to take testimony in an interference proceeding, and it is just as fundamental that after the junior party has made his record in chief that if the senior party upon an examination thereof is of opinion that the record made by the junior party is not sufficient to establish priority, there is no compulsion upon the senior party to present any evidence whatever, and he can properly rely upon his filing date.

5. SAME—SAME—CORROBORATION.

Where in support of appellant's testimony concerning his tests and the results thereof, reports and notebook pages of two chemists were placed in evidence, but the chemists making the reports were not called as witnesses and there is nothing in the record to indicate that their attendance has been sought, *Held* that, while the reports supported the testimony of appellants, they are not sufficient of themselves to prove the composition of the gels used in the tests nor the process of preparing the catalysts said to be used in the cracking runs discussed in the testimony.

6. SAME—SAME—SAME.

Where appellant contends that the laboratory notebooks intended to support the testimony of appellant are admissible as evidence of performance of the acts recorded therein under the provisions of U. S. C., title 28, sec. 695, *Held* that the code provision was never intended to embrace such records as are here before us, and that, while it may be true that in the research department of appellant's company it may be a matter of ordinary business to file such reports, nevertheless the contents thereof cannot be considered legally sufficient even though they are routine with respect to their contents.

7. SAME—DILIGENCE.

Where it was admitted by an attorney in the patent department of appellant's assignee, that appellant's application was laid aside from December 10, 1940, until March 15, 1941, in favor of another invention said to have been of greater importance, *Held* that appellant is chargeable with his attorney's lack of diligence and the neglect of this application in favor of another is not consistent with the exercise of reasonable diligence.

8. SAME—PROCESS FOR CRACKING PETROLEUM OIL.

Held that the decision of the Board of Interference Examiners awarding priority of invention of the subject matter of all of the counts to appellee is affirmed.

APPEAL from the Patent Office. Interference No. 81,282.

AFFIRMED.

Pennie, Edmonds, Morton & Barrows (*Louis D. Forward* and *Clarence M. Fisher* of counsel) for Teter.

George J. Silvavy (*J. G. McKean, Edward J. Mahler*, and *W. F. Weigester* of counsel) for Kearby.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Interference Examiners of the United States Patent Office awarding priority of invention of the subject matter of all of the counts, four in number, to appellee.

The interference involves an application of appellee, Serial No. 512,778, filed December 3, 1943, and a patent of appellant, No. 2,330,640, dated September 28, 1943, on an application, Serial No. 389,415, filed April 19, 1941. The involved counts were copied by appellee from the patent of appellant and read as follows:

1. Process for cracking petroleum oil to produce motor fuel having high anti-knock properties comprising intimately contacting the oil to be cracked while at a cracking temperature with a metal oxide catalyst in the form of an aerogel.

2. Process for cracking petroleum oil to produce motor fuel having high anti-knock properties comprising intimately contacting the oil to be cracked while at a cracking temperature with a catalyst composed of SiO_2 and Al_2O_3 in the form of an aerogel.

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3. Process for cracking petroleum oil to produce motor fuel having high anti-knock properties comprising heating the oil to be cracked to a cracking temperature while having intimately dispersed therein a metal oxide catalyst in the form of an aerogel.

4. In the method of producing motor fuel having high anti-knock properties by cracking petroleum oil wherein a metal oxide catalyst at least a substantial part of which has been regenerated is dispersed through the oil, the oil-catalyst mixture subjected to cracking treatment and the used catalyst separated from the oil regenerated and returned to the cracking treatment, the improvement comprising dispersing the metal oxide catalyst in the oil in the form of an aerogel.

As indicated by the above quoted counts, the subject matter of the interference relates to a process for cracking petroleum oil in the presence of a metal oxide catalyst "in the form of an aerogel" for the purpose of producing gasoline possessing high anti-knock properties.

On December 30, 1939, appellee and a party named Reeves filed a joint application, Serial No. 311,936, disclosing the subject matter involved herein. That application subsequently matured into Patent No. 2,317,803, dated April 27, 1943. Prior to the issuance of that patent Reeves and Kearby filed a division thereof, Serial No. 451,220, dated July 16, 1942. That divisional application matured into Patent No. 2,348,647 on May 9, 1944. Prior to the issuance of the second patent, to wit on November 5, 1943, but after the case was closed to further prosecution before the Examiner, Kearby and Reeves copied the involved claims from the Teter patent seeking by amendment to add those claims to their second application for the purpose of bringing on an interference with the patent of appellant. The examiner refused to enter the amendment for the stated reason that it was directed to subject matter divisible from that already allowed in the second joint application.

The joint applicants were then advised by the Examiner that their remedy was to file a divisional application containing the claims of appellant's patent. Accordingly on December 3, 1943, and prior to the issuance of their second application as a patent, Reeves and Kearby filed a third joint application, Serial No. 512,778, containing the copied patent claims which constitute the counts herein. The present interference between the third joint application and the patent of appellant was declared on December 30, 1943. All three of the joint applications are identical in their disclosures and verbatim copies, each of the other, except for the claims.

On January 29, 1944, the parties stipulated that the time for filing preliminary statements, which had been set for January 31, 1944, be extended for a period of thirty days. Accordingly the Examiner of Interferences extended the time until March 2, 1944. On February 29, 1944, another stipulation was filed requesting a further extension of thirty days after March 2, 1944. In that stipulation it was stated that from a preliminary inspection of the records of Reeves and Kearby it was discovered that the invention as defined in the counts was the sole invention of appellee Kearby rather than a joint invention, and that, therefore, it would be necessary to convert the joint application, Serial No. 512,778, into the sole application of appellee Kearby. It is stated in the stipulation that the extension of time was for the purpose of filing the necessary papers for converting the joint application into a sole application prior to the filing of preliminary statements. The Examiner of Interferences on March 3, 1944, extended the time within which preliminary statements might be filed to April 3, 1944.

On March 2, 1944, counsel for the joint applicants moved that the interference be suspended and that the application be remanded to the Primary Examiner for the purpose of converting the joint application into a sole application of Kearby and that the interference be reformed accordingly. In the motion it was stated that the necessary documents for such change were being filed on the date of the motion. On March 8, 1944, the Examiner of Interferences granted the motion and remanded the case to the Primary Examiner for the purpose of considering the question of converting the joint application to a sole application and reforming the interference. The Examiner of Interferences suspended the proceeding.

It appears from a letter of the Examiner of Interferences, dated June 2, 1944, that the motion period expired July 3, 1944; that testimony in chief for appellant was to close September 5, 1944; that testimony of appellee Kearby was to close October 5, 1944; that rebuttal testimony of appellant was to close October 20, 1944; and that final hearing would take place on January 5, 1945.

On March 1, 1944, the joint applicant Reeves filed an affidavit in which he stated that since the filing of the joint application, Serial No. 512,778, he had discovered that he was not a joint inventor of the subject matter claimed in that application, and, therefore, he disclaimed that he was such inventor with appellee Kearby, and that he filed that application as a joint inventor through mistake and without fraudulent intent. On the same date appellee Kearby filed an affidavit stating that he had been a party to filing that application as a joint inventor through mistake, inadvertence, and without fraudulent intent, and that since filing that application he discovered that he was the sole inventor of the invention claimed in the application. Appellee Kearby also filed a new oath stating that his sole application, Serial No. 512,778, was a division of the joint application, Serial No. 451,220, which in turn was a division of joint application, Serial No. 311,936.

In view of those affidavits, the involved application was converted to the sole application of appellee Kearby. The interference was then reformed, the counts remaining the same. By reason of the proceedings hereinbefore set out, Kearby was the senior party.

On June 29, 1944, counsel for appellant filed a motion praying that the burden of proof be shifted to make him the senior party, and a motion to dissolve the interference. On July 21, 1944, appellee filed a motion to add counts to the interference. All three motions were denied in a decision of the Primary Examiner, dated October 14, 1944.

On October 25, 1944, counsel for appellant petitioned the Commissioner of Patents in the exercise of his supervisory authority to review the decision denying his motions. On November 3, 1944, the Commissioner of Patents dismissed the petition of appellant stating that the questions raised in the petition were reviewable in the interference proceeding.

In his motion to shift the burden of proof, appellant contended that the sole application of Kearby was not entitled to the filing date of the first joint application of Reeves and Kearby. Substantially the same contention was made in appellant's motion to dissolve. It is obvious that, unless appellee is awarded the filing date of the original joint application, Serial No. 311,936, he can not prevail.

Appellant, in addition to his contention that appellee was not entitled to the filing date of the first joint application, took testimony. Appellee took no testimony and was held to be entitled to no date earlier than the date of the earliest joint application of Reeves and Kearby, December 30, 1939.

The Board of Interference Examiners held that appellant had conceived the invention defined in all of the counts prior to December 30, 1939, but that he did not prove reduction of the invention to practice prior to his filing date, and also that appellant did not prove exercise of reasonable diligence in reducing the invention to practice during the critical period—from just prior to December 30, 1939, to his filing date. The Board, as did the Primary Examiner, held that appellee was entitled to rely upon the date of December 30, 1939, as a constructive reduction to practice of the invention defined by the involved counts.

Counsel for appellant in their brief before us state that there are two important issues involved and also a number of subsidiary issues. It is vigorously contended that appellee is not entitled to the filing date of the first Reeves and Kearby application for a constructive reduction to practice. It is also strongly contended that the record on behalf of appellant adequately establishes actual reduction to practice of the subject matter of the broad counts 1 and 2 prior to appellee's earliest available date. It is argued as a subsidiary issue that if the latter question be answered in the affirmative, then the question arises as to whether or not experimental operations relied upon by appellant as a reduction to practice of the subject matter of counts 1 and 2 also comply with the terms of count 3, and, therefore, are sufficient to establish a reduction to practice of that count as well as counts 1 and 2. A further subsidiary question is posed by appellant as to whether certain operations described by one of the witnesses as having been performed prior to the fall of 1940 resulted in a reduction to practice of the subject matter of count 4 as well as count 3, and whether appellant had been diligent in completing his reduction to practice.

While appellant appears to agree with the doctrine with respect to converting joint to sole applications as laid down in the case of *In re Roberts*, 49 App. D. C. 250, he contends that the conditions set forth therein with respect to such conversion are not satisfied by the action of appellee, and that, therefore, the sole application of appellee is not entitled to the benefit of the filing date of December 30, 1939.

It is admitted that the doctrine in *In re Roberts*, supra, is applicable where under certain circumstances a sole inventor may properly secure the benefit of the date of an earlier filed joint application.

It is clear that the second application of Reeves and Kearby is a true division of their original application, and as such is entitled to the benefit of the date of the first application. It is also obvious that the involved application, when it was filed as the joint application of Reeves and Kearby, was likewise a true division of the second joint application. Seemingly appellant raises no question concerning the relationship of the three joint applications. His contention is that when the involved application was converted from a joint to a sole application that in some manner—which has not been explained and which we can not understand—the involved application lost its character as a divisional application.

[1] It is well settled law that a continuing application by the same inventor is entitled to the date of an earlier filed application if the subject matter is continued before the Patent Office. It is immaterial that the subject matter in the last continuing case is claimed for the first time and that no previous claim was made of the subject matter in the earlier filed case. *Benedict* v. *Menninger*, 20 CCPA (Patents) 1138, 64 F.2d 1001, 17 USPQ 499, 434 O. G. 525, and *Harold D. Arnold* v. *Irving Langmuir*, 17 CCPA (Patents) 756, 36 F.2d 834, 4 USPQ 114, 393 O. G. 785.

Appellant appears to contend that the holdings in those cases must be disregarded if we affirm the decision of the Board, holding that appellee is entitled to the filing date of the earliest joint application. We can not agree with such contention. We can see no reason why under the facts in this case appellee may not be porperly awarded as his earliest date for constructive reduction to practice, December 30, 1939. No case has been cited to us nor have we been able to find any that would sustain such contention. It has been held by the Board of Appeals that a sole application can be a division of a joint application if the latter contained an invention which was solely that of one of the joint applicants. *Ex parte Whitfield*, 58 USPQ 425.

[2] Where one invention which is clearly disclosed in an application is not there claimed, but is subsequently claimed in a co-pending application by the same applicant, the first filing will be deemed a constructive reduction to practice and the later application will be given the filing date of the earlier one. *Chapman et al.* v. *Wintroath*, 252 U. S. 126, 272 O. G. 913. Such right of benefit from a disclosure of an earlier application was asserted in the case of *Benedict* v. *Menninger*, supra.

In the case of *In re Perrin*, 31 CCPA (Patents) 1041, 142 F.2d 277, 61 USPQ 418, 565 O. G. 151, we affirmed the doctrine of the case of *In re Roberts*, supra, that a sole application disclosing and claiming the subject matter of an earlier joint application may be entitled to the benefit of the date of the joint application.

When the joint applicants filed the present application, they were jointly claiming the subject matter thereof. Subsequently when the joint application was converted to the sole application of Kearby, he as an individual was claiming the same subject matter as was claimed in the joint application. We think such conversion and the claiming of the same subject matter of the joint application completely satisfies one of the conditions set out in the case of *In re Roberts*, supra. The last joint application was in fact a division of the second joint application which in turn was a true division of the original joint application. It must be remembered that the divisional applications disclosed and claimed distinct and separate inventions from those claimed in the first joint application although all those inventions were sufficiently disclosed therein. It was not necessary in the filing of either of the first two joint applications to assert claims to the claimed subject matter of the third joint application. In fact since division was required, it could not be done.

As far as we are informed by the cited cases it would seem to be immaterial when the sole invention was first claimed in the Patent Office. *In re Roberts*, supra.

In the case of *Godfrey* v. *Eames*, 1 Wall. 317, cited in the *In re Roberts* case, supra, it was held that, "where an applicant for a patent elects to withdraw his application for the purpose of filing a new application, the two applications are to be considered as parts of the same transaction, constituting one continuous application." Similarly in the situation before us, we can not see why the three joint applications of Reeves and Kearby should not be considered as parts of the same transaction making one continuous application. Since the first joint divisional application was made in due time prior to the issuance of a patent on the original application, and the second joint divisional application was made during the permitted time prior to the issuance of the patent on the first divisional application, it is immaterial that the first two joint applications matured into patents.

It is true that one of the conditions under which a sole application can properly have the benefit of the date of the earlier filed joint application is that the sole applicant must have acted with reasonable diligence in order to correct his mistake. *In re Roberts*, supra; *Manny* v. *Garlick et al.*, 30 CCPA (Patents) 1008, 135 F.2d 757, 57 USPQ 377, 553 O. G. 370; *Manny* v. *Garlick et al.*, 75 USPQ 215. In the latter cited case appears a very complete analysis of cited cases with respect to diligence in converting joint to sole applications.

In our opinion appellee acted with reasonable diligence to correct his mistake. The affidavit of Reeves and that of Kearby were filed March 1, 1944. The joint application of Reeves and Kearby, Serial No. 512,778, was filed December 3, 1943. The interference was declared December 30, 1943. The time for filing preliminary statements was set to expire March 2, 1944, and on February 29, 1944, the parties by stipulation asked for an extension of time within which to file preliminary statements for the reason it had been discovered that the joint application was filed through a mistake.

It will be noted that as early as March 1, 1944, which was prior to the time fixed for filing preliminary statements, Reeves and Kearby properly took steps to rectify their error. There is nothing in the record from which we can infer that the joint applicants knew of any mistake before the time set for filing preliminary statements. The preparation for filing such statements involves an examination of proper facts and procurable evidence relating to the acts of the parties and to dates available in establishing priority of invention. If mistakes had been made, it seems to us that during such examination they would in all probability be then discovered. The chronology herinbefore set out convinces us that the joint applicants acted promptly to correct their error, and we hold, as was held below, that reasonable diligence was exercised.

A final condition set out in the case of *In re Roberts*, supra, is that one who seeks to convert from a joint to a sole application "must assume the burden of establishing his good faith." The good faith of the joint applicants in filing their joint applications does not appear to be questioned by appellant. The affidavit of appellee and that of Reeves both state that the joint filing was made through mistake and without fraudulent intent. We find nothing in the record to indicate that appellee did not act in good faith.

[3] For the reason that in our opinion appellee acted in good faith and with diligence to convert the joint application of Reeves and Kearby to the sole application of Kearby containing the same disclosure and claims as that joint application, under the doctrine of *In re Roberts*, supra, the sole application is entitled to the benefit of the date of that joint application, and since that application is clearly entitled to the filing date of the first joint application, the sole application of appellee is entitled to that earliest filing date.

[4] It is argued by appellant that because appellee did not take testimony, his failure to do so indicates, in some way or another not set out, a lack of good faith. It is fundamental that neither party is compelled to take testimony in an interference proceeding, and it is just as fundamental that after the junior party has made his record in chief that if the senior party upon an examination thereof is of opinion that the record made by the junior party is not sufficient to establish priority, there is no compulsion upon the senior party to present any evidence whatever. He can properly rely upon his filing date.

With respect to the motion of appellant to dissolve the interference for the alleged reason that the appellee had not filed a proper oath, an examination of the oath discloses that appellee states that his present application is a division of the prior joint application, Serial No. 311,936, and that there was no publication, public use, or sale of his invention prior to his discovery or invention thereof for more than two years prior to the filing of said application, Serial No. 311,936. The contention of appellant is that appellee can not rely upon the filing date of the earliest filed joint application because it is not a division thereof. For the same reasons given with respect to our holding on appellant's motion to shift the burden of proof, we agree with the tribunals of the Patent Office that the motion to dissolve was properly denied.

It is agreed that with the exception of the limitation "in the form of an aerogel" each of the claims defines an old and long known principle used in cracking petroleum oil to produce a motor fuel possessing desirable anti-knock properties.

The broadest counts are 1 and 2, count 2 being more specific than count 1 in that it specifies the composition of the catalyst.

Count 3 is specific to the process of having a metal oxide catalyst intimately dispersed in the oil to be heated to a cracking temperature.

Count 4 is similar to count 3 with the addition that it contains the limitation that the catalyst after use and separation from the oil is regenerated and returned to the cracking treatment.

Counts 1 and 2 apparently include the cracking process of the other two counts, and also the method in which a fixed-bed form of catalyst is employed. Counts 3 and 4 do not include the use of the latter form of catalyst.

It appears that metal oxide catalysts, particularly those consisting of the oxide of silica, SiO_2, and the oxide of aluminum, Al_2O_3, have long been known in the art of cracking petroleum oil for the production of anti-knock motor fuel. Such material is found in nature as in fuller's earth, but similar catalysts were made in the form of synthetically prepared gels known to the art as "aquagels." The synthetic aquagels were known to be more effective as catalysts in the involved art than those occurring in nature.

The type of catalyst mentioned in the counts and known as "aerogel" is prepared in the same method as that employed in producing "aquagel," except for the manner in which liquid is removed from the gel as initially formed. In the synthesis it appears that synthetic silica and alumina in proper proportions for the desired product are mixed in aqueous solution. The mixture is then held at a low temperature until it sets as a gel. It is then washed with water to remove, as far as possible, impurities such as free sodium and chlorine ions. After washing, the gel contains a great quantity of water, and if the water is removed by evaporation, the gel shrinks to about one fifth its original volume so that the eventual calcined product, which is known as aquagel, will be relatively dense. If instead of evaporating the water, the gel is thoroughly washed with a volatile liquid, such as methyl alcohol or acetone, the water content is displaced by the more volatile liquid. The gel is then heated in a pressure vessel at such a high temperature that the volatile liquid is almost instantaneously converted into gas. When the gas passes off, a dry gel remains which has shrunk to only about 80 percent of the volume of the water filled gel, so that the final calcine product has a lower density and a higher degree of porosity than the aquagel. After having been dried and broken into pieces, the aerogel may be placed in a chamber forming a "catalyst bed" through which the petroleum to be cracked is passed at a cracking temperature, or the substance may be finely ground and mixed with the oil to be cracked in order to form a slurry which may then be passed through a heating zone in which the mixture is heated to the cracking temperature.

Appellant is a chemist employed by the Sinclair Refining Company, assignee of his involved patent. He had worked for the company for over ten years, starting as a research chemist, and during the time pertinent to his activities with respect to his work on aerogels, he occupied a supervisory capacity and had not actually done laboratory work. He, as well as several other employees of the company, testified, and there was offered in evidence several reports of experiments, data sheets, and correspondence pertaining to oil cracking with the use of metal oxide catalysts.

In his preliminary statement, appellant alleged conception of the invention defined by all of the counts as of February 15, 1939, and disclosure to others on the same date. He alleged reduction to practice of the process defined in counts 1, 2, and 3 as of March 1, 1939, together with a contemporaneous record of such reduction on the same date. With respect to count 4, appellant alleged that the invention defined therein was described in writing on November 29, 1939, and reduced to practice on May 22, 1940.

The Board of Interference Examiners properly held that appellant conceived the invention as defined in all of the counts by at least December 27, 1939. Therefore, it will not be necessary to discuss the record with respect to conception.

[5] It appears from the testimony of appellant that he conceived the idea of employing aerogels as cracking catalysts before March 1939, and that he instructed two chemists in the employ of the Sinclair Company to make such catalysts, which were said to have been prepared with an aerogel of 90 mol percent silica and 10 mol percent alumina. The work was said to have been started on February 8, 1939, and completed March 1 of that year.

In support of appellant's testimony concerning his tests and results thereof, in which the aerogels were used, reports and notebook pages of the two chemists were placed in evidence. The chemists making the reports were not called as witnesses, and there is nothing in the record to indicate that their

attendance had been sought. While the reports supported the testimony of appellant, they are not sufficient of themselves to prove the composition of the gels used in the tests nor the process of preparing the catalysts said to be used in the cracking runs discussed in the testimony.

Counsel for appellant has directed our attention to the testimony of a particular witness, which he states is sufficient to establish corroboration of appellant's testimony. The witness, who was the supervisor of the experimental cracking units for appellant's assignee, testified that the aerogel catalysts made by the two chemists were used in fixed-bed cracking tests, and several exhibits, said to be original data sheets recording details of runs, disclose that such runs started on March 1, March 2, and March 27, 1939, respectively. Those sheets and others containing distillation data for those runs were discussed by the witness. One run was said to have been made with a silica aerogel and another with an alumina silica aquagel for comparative purposes. While the witness testified that he had supervised the cracking runs and had inspected the work of the catalyst preparation in the laboratory, the catalyst preparation does not appear to have been under his supervision. His work apparently included the direction of getting the products of the runs to the laboratory for tests and following up to see that the tests were carried out and reported. The witness, while he had made some calculations for a report on the various runs and prepared a summary of the conditions of the runs and analyses of their products, stated that he had assistants at the time who did that kind of work. He did not testify that he had direct knowledge of the things from which calculations were made, nor did he testify that he had made all of the calculations. Therefore, part of those calculations may have been the work of others. His testimony together with other testimony was sufficient to corroborate evidence of conception, but was clearly not enough to corroborate appellant's testimony for reduction to practice.

The record of appellant has not sufficiently established the identity of the catalyst used in the runs which are shown in the written exhibits. As far as the testimony of the supervisor is concerned, it is general in character and did not give direct information concerning the catalyst.

We do not find in the record that there is adequate evidence to prove that the type of fuel called for by the counts was produced. The tests necessary to show such production were not adequately proved. While there are data sheets in evidence bearing the signatures of those who conducted the tests, they were not called to testify; and we are unable to hold that there is any reasonable and certain testimony to establish that the process in issue here was carried out. The data sheets of themselves, not having been properly proved as to the accuracy of their contents, can not be held to be evidence of such contents.

We do not deem it necessary to go into further detail with respect to the evidence. To do so would unduly lengthen this opinion. It suffices to say that there is not sufficient corroboration of the testimony of appellant to sustain his burden of proving actual reduction of the processes defined by the counts to practice.

[6] It is contended by appellant that the laboratory notebooks intended to support the testimony of appellant are admissible as evidence of performance of the acts recorded therein under the express provisions of the U. S. Code, title 28, sec. 695. In this connection, appellant cites in his brief the cases of *Landay* v. *United States*, 108 F.2d 698, and *Johnson et al.* v. *United States*, 89 F.2d 913. The same contention was made before the Board. In its decision, the Board observed it had not overlooked that even in criminal cases original entries made in the regular course of business in the books of corporations may be properly admitted when identified by the one who superintended the making of the entries. The Board then stated: "In the present case, however, observation of physical phenomena involving the acts and judgment of the observer are the matter reported upon and the only definite check on the accuracy of these observations would be the observations of another observer."

We are of opinion that the code provision cited by appellant was never intended to embrace such records as are here before us. While it may be true that in the research department of appellant's company it may be a matter of ordinary business to file such reports, nevertheless the contents thereof can not be considered legally sufficient even though they are routine with respect to their contents. We do not think that the facts or operations related in those reports can be properly held to prove themselves merely by identification by those who made the reports. That contention of appellant is frequently urged here. In connection therewith, we invite attention to our comments upon this matter appearing in the case of *Senkus* v. *Johnston*, 35 CCPA (Patents) 1008, 166 F.2d 597, 600, 77 USPQ 113, 611 O. G. 759.

It is our opinion that appellant has not established diligence since shortly before the critical date, December 30, 1939, until the date when he filed his application. Diligence must be affirmatively shown. *Hull* v. *Davenport*, 24 CCPA (Patents) 1194, 90 F.2d 103, 33 USPQ 506, 485 O. G. 13.

[7] There is no showing of activity on the part of appellant between February 27, 1940, and July 18, 1940. Furthermore, it is admitted by an attorney in the patent department of appellant's assignee, that appellant's application was laid aside from December 10, 1940, until March 15, 1941, in favor of another invention said to have been of greater importance. Appellant is chargeable with his attorney's lack of diligence, and the neglect of this application in favor of another is not consistent with the exercise of reasonable diligence. *Brown, Jr.* v. *Barton*, 26 CCPA (Patents) 889, 102 F.2d 193, 41 USPQ 99, 505 O. G. 5.

[8] In our opinion appellant has failed to establish actual reduction to practice as of a date prior to December 30, 1939, and has also failed to establish diligence between that date and the date of filing of his application, April 19, 1941.

We are convinced that no error was committed by the Board of Interference Examiners, and the decision appealed from is affirmed.

AFFIRMED.

By reason of illness, O'CONNELL, *J.*, was not present at the argument of this case and did not participate in the decision.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,777,945, F. H. Untiedt, Process of treating rubber latex; 1,852,447, W. H. Chapman, et al., Method of producing rubber articles; 1,994,503, same, Composition of rubber-like material and method of making goods therefrom, filed Nov. 24, 1948, D. C., W. D. N. Y., Doc. 3924, *Dunlop Tire & Rubber Corp. et al.* v. *Marmax Associates, Inc.*

1,852,447. (See 1,777,945.)

1,856,627, H. W. Fletcher, Cutter for earth boring drill; 1,983,316, Scott & Garfield, Three cone bit; 2,011,084, F. L. Scott, Mounting for drill cutters; 2,030,442, Garfield & Scott, Roller bearing bit, D. C., N. D. Tex. (Wichita Falls), Doc. 426, *Hughes Tool Co.* v. *Robertson Rock Bit Co., Inc.* Patents infringed, injunction issued (notice Mar. 22, 1948).

1,983,316. (See 1,856,627.) 1,994,503. (See 1,777,945.)

2,004,412, M. Luftig, Belt for personal wear, filed Oct. 21, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1534, *M. Luftig* v. *S. Buchsbaum & Co.*

2,011,084. (See 1,856,627.) 2,030,442. (See 1,856,627.)

2,079,618, 2,123,699, Kahn & Hake, Stove, D. C., S. D. N. Y., Doc. 47/291, *Robertshaw-Fulton Controls Co.* v. *Noma Electric Corp.* Stipulation of dismissal Nov. 19, 1948.

2,123,699. (See 2,079,618.)

2,180,586, E. Gustafsson, Spray booth; 2,385,077, G. A. Harker et al., same, suit for declaratory judgment filed Nov. 15, 1948, D. C., S. D. N. Y., Doc. 8878–W, *Acme Associates, Inc.*, v. *Binks Mfg. Co.*

2,237,744, J. E. Mullen, Contact lens and method of making same, D. C., S. D. N. Y., Doc. 40/74, *J. E. Mullen* v. *Obrig Laboratories, Inc., et al.* Consent judgment favor plaintiff, sustaining patent, adjudging infringement, and granting injunction Nov. 17, 1948.

2,254,236, T. B. Myers, Drink mixer; Des. 118,224, Barnes & Reinecke, Motor; Des. 118,225, same, Drink mixer, filed Nov. 9, 1948, D. C., E. D. Wis. (Milwaukee), Doc. 4614, *Scovill Mfg. Co.* v. *John Oster Mfg. Co. et al.*

2,259,962, H. L. Owen, Shingle, D. C., S. D. Calif. (Los Angeles), Doc. 7705–PH, *Shingle Product Patents Inc.* v. *Kaiser Community Homes et al.* Consent decree (notice Nov. 16, 1948).

2,266,708, I. Jepson, Sadiron, filed Sept. 17, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1371, *Sunbeam Corp.* v. *General Electric Co.*

2,267,973, A. Demcak, Examining table, filed Oct. 11, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1492, *Hamilton Mfg. Co.* v. *Illinois Surgical Supply Co.*

2,312,921, M. Lubow, X-ray proof glove, filed Nov. 16, 1948, D. C., S. D. N. Y., Doc. 48/113, *Wolf X-ray Products, Inc.*, v. *G. & M. X-Ray Products, Inc., et al.*

2,357,399, W. C. Gregory, Composite glass and ceramic article and method of making, D. C., S. D. N. Y., Doc. 32/625, *W. Gregory* v. *Weil Ceramics & Glass, Inc., et al.* Stipulation of discontinuance Nov. 12, 1948. Doc. 32/626, *W. Gregory* v. *Design-Technics, Inc., et al.* Stipulation and order dismissing action without prejudice (notice Nov. 19, 1948).

2,364,899, M. H. Hatton, Brassière, filed Oct. 1, 1948, D. C., S. D. Calif., C. Div., Doc. 8712–M, *M. H. Hatton* v. *Helene Brassiere Co.* Dismissed Nov. 1, 1948.

2,376,140, D. Henderson, Direct-fired unit heater, D. C., N. D. Ill., E. Div., Doc. 46c2009, *H. H. Davis Co., Inc.*, v. *The Dravo Corp., Inc.* Cause dismissed, plaintiffs restrained Oct. 18, 1948.

2,385,077. (See 2,180,586.)

2,409,425, D. R. Falkenberg, Drapery mounting, D. C., N. D. Ill., E. Div., Doc. 47c908, *D. R. Falkenberg* v. *Bernard Edward Co.* Dismissed Sept. 15, 1948.

2,425,424, T. C. Jones, Electrolytic water purifier, D. C., S. D. Ohio, W. Div., Doc. 1898, *Butler Engineering Co.* v. *Willard Bronze Co.* Stipulation and judgment dismissing complaint, counterclaim, and plaintiff's counterclaim to defendant's counterclaim with prejudice Nov. 19, 1948.

2,435,689, E. J. McCabe, Flashlight, filed Nov. 10, 1948, D. C., N. D. Ohio, E. Div., Doc. 26006, *M. Kessler* v. *Mart Industries, Inc.*

2,437,580, W. W. Wilson, Latch for sofa bed hinges, filed Sept. 16, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1363, *U. S. Bedding Co.* v. *The Seng Co.*

2,439,274, T. Spector, Wrist band or strap for watches, D. C., S. D. N. Y., Doc. 47/89, *Metro Leather Novelty Co.* v. *American Strap Co., Inc.* Consent decree favor plaintiff, sustaining patent, adjudging infringement and granting injunction (notice Nov. 17, 1948).

2,449,886, J. S. Dougherty, Apparatus for magnifying the images on television screens, filed Nov. 23, 1948, D. C., S. D. N. Y., Doc. 48/184, *E. L. Cournand & Co.* v. *Celomat Corp.*

2,450,661, J. G. Herrmann, Confectionery coating apparatus, filed Nov. 15, 1948, D. C., E. D. N. Y., Doc. 9491, *Conveyor & Machinery Manufacturers, Inc.*, v. *Good Humor Corp.*

2,452,316, C. E. Morley, Adjustable supporters, filed Nov. 22, 1948, D. C., E. D. Mich., S. Div., Doc. 7782, *Knight-Morley Corp. et al.* v. *Ajax Mfg. Corp. et al.*

Des. 118,224. (See 2,254,236.)

Des. 118,225. (See 2,254,236.)

Des. 124,975, H. Malinowski, Knife, or other article of flatware, filed Nov. 18, 1948, D. C., S. D. N. Y., Doc. 48/159, *The Ellmore Silver Co., Inc.* v. *Hunt Silver Co., Inc., et al.*

Des. 148,806, H. T. Lorenz, Photographic lamp holder, D. C., N. D. Ill., E. Div., Doc. 48c397, *Circle S Products Co.* v. *Powell's Products, Inc., et al.* Cause dismissed and defendants enjoined Oct. 29, 1948.

Des. 148,807, W. B. MacDonald, Jr., Vehicle trailer, filed Sept. 22, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1389, *W. B. MacDonald, Jr., et al.* v. *Lighthouse Trailer Co.*

Des. 150,682, H. J. Duester, Extensible band for watch bracelet, filed Sept. 13, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1327, *J. Major et al.* v. *L. H. Knibb et al.*

T. M. 314,493, J. L. Younghusband, Lipstick and rouge; T. M. 424,750, T. M. 426,323, Consolidated Cosmetics, Lipstick, perfume, brilliantine, etc.; T. M. 431,835, same, Perfume, face powder, hand lotion, etc.; T. M. 416,308, J. D. Gaumer, Perfume, lipstick, rouge, face powder, etc.; T. M. 407,797, Associated Distributors, Lipstick, antiperspirant, cream, face powder, etc.; T. M. 408,529, same, Toilet soap, D. C., N. D. Ill., E. Div., Doc. 48c1460, *Consolidated Cosmetics* v. *M. J. Hofheimer et al.* Cause dismissed and defendants enjoined Oct. 25, 1948.

T. M. 351,949, T. M. 353,827, R. K. O. Radio Pictures, Inc., Films, filed Nov. 22, 1948, D. C. N. J., Doc. 11845, *Radio-Keith-Orpheum Corp. et al.* v. *R-Kay-O Entertainment Bureau.*

T. M. 353,827. (See T. M. 351,949.)

T. M. 368,989, T. M. 368,990, West Coast Lumbermen's Association, Lumber woodwork, paneling, flooring, etc., filed Oct. 10, 1948, D. C. N. J. (Newark), Doc. 11792, *West Coast Lumbermen's Association* v. *Lion Lumber Corp. et al.*

T. M. 369,990. (See T. M. 368,989.)

T. M. 407,797. (See T. M. 314,493.)

T. M. 408,529. (See T. M. 314,493.)

T. M. 416,308. (See T. M. 314,493.)

T. M. 424,750. (See T. M. 314,493.)

T. M. 426,323. (See T. M. 314,493.)

T. M. 431,835. (See T. M. 314,493.)

NOTICES

Errata

In the notice of publication under the Trade-Mark Act of 1946 of applications Serial Numbers 527,729, 528,005, and 528,029, appearing in the OFFICIAL GAZETTE of December 7, 1948, page 32, the words "Concurrent Use Mark" should be cancelled.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration No. 345,937, registered May 11, 1937, Class 19, by The Cleveland Welding Company, a corporation of Ohio, appearing in the OFFICIAL GAZETTE of July 6, 1948, page 94, was inadvertent and is vacated.

Adjudicated Patents

(D. C. N. Y.) Scheinman and Mandel patent, No. 2,012,857, for reinforced drawer construction, claims 12, 13, 15, 16, and 18 *Held* invalid. *Zalkind* v. *Scheinman*, 80 F. Supp. 299; 77 USPQ 349.

(D. C. N. Y.) Scheinman and Mandel patent, No. 2,110,556, for a reinforced collapsible file casing, claims 2, 3, and 5 to 10 *Held* invalid and not infringed. *Id.*

(D. C. N. Y.) Zalkind patent, No. 2,118,011, for a container, claims 1, 5 to 7, 10, 11, 15, and 16 *Held* invalid and not infringed. *Id.*

(D. C. N. Y.) Zalkind patent, No. 2,233,906, for a container and part therefor, claims 8 to 10 *Held* invalid and not infringed. *Id.*

(D. C. N. Y.) Zalkind patent, No. 2,245,026, for an interlocking for containers, claims 1 to 5 and 9 to 11, *Held* invalid and not infringed. *Id.*

(D. C. N. Y.) Scheinman patent, No. 2,277,155, for a stacking device for storage files, claims 11, 14, and 17 *Held* invalid and not infringed. *Id.*

Interference Notice

William Henry Dean, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,438,777, granted March 30, 1948, to William Henry Dean, 18, Cleveland Ave., Darlington, County Durham, England, and the application for patent of Joseph J. Mohr, Route 1, Encinitas, Calif., and a notice of such declaration sent by registered mail to said Dean at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Dean, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 9, 1948.

Cancellation Notice

Les Parfums Marly, Inc., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Wolf Drug Company, 21 West Park St., Newark, N. J., to effect the cancellation of trademark registration of Les Parfums Marly, Inc., 610 Fifth Ave., New York, N. Y., No. 315,639, dated August 7, 1934. Regent Laboratories, Inc., New York, N. Y., has been joined as a respondent party to defend the right of registration evidenced thereby. The notice of this proceeding sent by registered mail to the said Les Parfums Marly, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Les Parfums Marly, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

December 8, 1948.

Classification Order No. 37

October, 28, 1948

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *class 47, Plant Husbandry* (Division 1)

48 **Subsoil irrigators and weed killers**
49 Tools

In *class 170, Motors, Fluid Current* (Division 9)

Impellers
135.5 With motor and/or drive mechanism
135.6 Adjustable impeller
Screw
Projected blades
160 Adjustable
161 Flexible
162 Radially pivoted
163 Distance controlled
164 Transversely pivoted

In *class 192, Clutches and Power-Stop Control* (Division 12)

.01 **Motor control and clutch**
.02 Electric motor

In *class 244, Aeronautics* (Division 22)

Aircraft heavier than air
17 Helicopter sustained
18 Auto rotating wing sustained

CHANGE SUBCLASS TITLES

In *class 42, Firearms* (Division 22) change the title of subclass 69 to read:

69 **Locks, i. e., firing mechanism**

In *class 134, Cleaning and Liquid Contact with Solids* (Division 27) change the title of subclass 36 to read:

Processes
With treating fluid motion
36 Plural separately fed and either simultaneously applied or admixed treating fluids

ESTABLISH SUBCLASSES

In *class 47, Plant Husbandry* (Division 1)

RICHARD A. WAHL, *Classifier*

48.5 **Plant irrigators and/or fertilizers**

In *class 74, Machine Elements and Mechanisms* (Division 12)

T. W. SHEAR, *Classifier*

Gyroscopes
5.1 With caging or parking means
5.12 Rotor spin and cage release type
5.14 And resetting means
5.2 With gimbal lock-preventing means
5.22 Combined
5.34 Multiple gyroscopes
5.37 With rotor drives
5.4 Gyroscope control
5.41 Erecting
5.42 By plural diverse forces
5.43 By jet
5.44 By weight
5.45 By friction
5.46 By magnetic field
5.47 By motor torque
5.5 Damping
5.6 With pickoff
5.7 With rotor drive
5.8 Vertical gyroscopes
5.9 Horizontal gyroscopes

In *class 111, Planting* (Division 1)

RICHARD A. WAHL, *Classifier*

Liquid or gas
7.1 Hand manipulated (to follow subclass 7)
7.2 Implement carried supply
7.3 Work operated valve
7.4 Non gravity fluid feed

In *class 170, Motors, Fluid Current* (Division 9)

CHARLES F. GAREAU, *Classifier*

1.5 **Magnus rotor, i. e., lateral thrust resulting from rotary skin friction**

Impellers
135.2 Plural having relative movement and/or different axes
135.21 Intermounted
135.22 Divergent axes
135.23 Auto-rotating impeller type
135.24 Differential and/or independent adjustment
135.25 Coaxial
135.26 Tiltable and/or cyclically adjustable
135.27 Concurrent impeller adjustment
135.28 Oppositely rotating
135.29 Automatic, e. g., synchronizing
135.4 With fluid intake or discharge means on impeller, e. g., jet motor drives and boundary layer excitation
135.7 With drive motor or drive mechanism
135.71 Motor exhaust supplied to jet reaction device
135.72 Blade adjustment responsive to motor or drive condition
135.73 Controls of both drive mechanism and impeller
135.74 Interrelated motor control and blade adjusting control
135.75 Clutch, brake or gearing
Screw
Projected blades
160.1 Adjustable
160.11 Diameter
160.12 Foldable
160.13 Automatic control
160.14 By two or more conditions
160.15 Translational speed responsive
160.16 Rotational speed responsive
160.17 Reference speed control
160.18 Power derived from impeller shaft
160.19 Motor actuated adjustment
160.2 Motor carried by impeller, hub and/or shaft
160.21 Speed responsive means also carried by impeller hub and/or shaft
160.22 With indicator
160.23 Combined
160.24 With positive impeller positioning means
160.25 Cyclic
160.26 Tiltable support
160.27 Tiltable support
160.28 Power derived from impeller drive
160.29 By brake actuation
160.3 Motor bodily rotatable with impeller, hub and/or drive shaft
160.31 Fluid motor
160.32 Coaxial with drive shaft
160.33 Blade mounted or housed
160.34 Power or manual actuator on non-rotatable part
160.35 Planetary gearing connecting rotatable and non-rotatable parts
160.36 Axially movable impeller or impeller hub
160.37 With motor
160.38 With lock means
160.39 Dual connection to impeller
160.4 Front push rod
160.41 Coaxial screw
160.42 Adjustment rod through entire drive shaft
160.43 Reciprocating sleeve, collar, or rod on or in the impeller drive shaft
160.44 With rotary means
160.45 Geared connection to impeller
160.46 Link connection to impeller blade
160.47 Pin-slot, cam-slot or cam connection to impeller blade
160.48 Rotary sleeve, collar or rod on or in impeller drive shaft
160.49 Axially displaceable hub or blade carrier
160.5 Flexible impeller blade material
160.51 Resiliently biased impeller
160.52 Transverse pivot
160.53 Connection of impeller blade to hub
160.54 Connection of impeller hub to shaft
160.55 Impeller movement damping or flap limiting means
160.56 Plural articulation
160.57 Articulation axis inclined to impeller blade axis
160.58 Impeller blade connection
160.59 Spring biased detent
160.6 Impeller releasably clamped in supporting means
160.61 Split impeller hub
160.62 Thimble or sleeve fixed on impeller blade

In *class 192, Clutches and Power-Stop Control* (Division 12)

DON A. WAITE, *Classifier*

Interrelated power delivery controls (Having motor and clutch controls)
.02 Electric motor control and clutch
.03 Automatic control
.032 By speed and/or torque
.033 By speed only
.034 By torque only
.04 Motor, clutch and gearing controls operate other control
.042 Motor, clutch and brake controls operate other control
.044 Motor, gearing and brake controls operate clutch control
.046 Clutch, gearing and brake controls operate motor control
.048 Motor and clutch controls operate other control
.049 Other control is brake control
.052 Motor and gearing controls operate clutch control
.055 Motor and brake controls operate clutch control
.058 Clutch and brake controls operate motor control
.062 Clutch and gearing controls operate motor control
.07 Motor control operates clutch control
.072 And brake control
.073 And gearing control
.075 With regulated clutch engagement
.076 Speed responsive
.077 Inertia responsive
.08 Gearing control operates clutch and motor controls
.082 Brake control operates clutch and motor controls
.084 Clutch control operates motor control
.09 Of motor, clutch, gearing and brake controls
.092 Of motor, clutch and gearing controls
.094 Of motor, clutch and brake controls
.096 Of motor and clutch controls
.098 Multiple motor and/or multiple clutch

In *class 244, Aeronautics* (Division 22)

CHARLES F. GAREAU, *Classifier*

Aircraft heavier than air

17.11	Helicopter or auto-rotating wing sustained, i. e., gyroplanes (to follow subclass 16)
17.13	Automatic or condition responsive control
17.15	With safety lowering device
17.17	With landing, mooring, or non-aerial propelling or steering gear
17.19	With auxiliary propulsion, counter-torque or steering device
17.21	Auxiliary rotor
17.23	Having plural lifting rotors
17.25	Lifting rotor having lift direction varying means
17.27	Lifting rotor supports, e. g., pylons

In *class 280, Land Vehicles* (Division 47)

P. ARNOLD, *Classifier*

Articulated

33.02	Collapsible to superposed relation

MISCELLANEOUS CHANGES

On page 37–1, in subclass 103, change "shove" to *shovel*.

On page 121–1, in subclass 77, change "actuatted" *actuated*.

On page 139–2, subclass 368 should be moved one step to the left to be coordinate with subclass 360.

On page 293–1, subclass 95 should be moved one step to the left to be coordinate with subclass 91.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished Class	Abolished Subclass	Disposition Class	Disposition Subclass
47	48	47	48.5
		111	7.1+
47	49	111	7.1+
		47	48.5
170	135.5, 135.6	170	135.2+, 135.4+, 135.7+
		74	Various
		318	Various
170	160–164	170	160.1+
192	.01	192	.03 to .098
	.02		.02
244	17, 18	244	17.11+
		170	160.1+

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established Class	Established Subclass	Source Class	Source Subclass
47	48.5	47	1, 48, 49
74	5.1–5.9	74	5
111	7.1+	47	1, 48, 49
		111	6, 7
170	1.5	244	Various
		170	Various
170	135.2+	244	17, 18
	135.4, 135.7+	170	135.5, 135.6, 165
170	160.1+	244	17, 18, 39
		170	159+
192	.02	192	.02
	.03 to .098		.01
244	17.11+	244	17, 18, 39
280	33.02	214	65, 85

IN THE DEFINITIONS

30, Cutlery

in the class definition, under "Notes" in (17) add the following paragraph:

> Where a base or work support has means for locating and/or guiding a hand manipulable instrument, the combination has been construed to be a machine. If it is not the type of machine classified in this class (30) (see paragraph 2 of this class definition) it will be found in the appropriate machine class.

and under (37) cancel "and", first occurrence, and add before the period: *and subclass 20*

and cancel (52),

at the end of the class definition, add the following:

Miscellaneous notes and index to all notes to the class definition:

Search Class—

7—COMPOUND TOOLS, see notes 1 and 10.
10—BOLT, NAIL, NUT, RIVET, AND SCREW MAKING, see note 7.
12—BOOT AND SHOE MAKING, see notes 6 and 26.
17—BUTCHERING, see note 16.
18—PLASTICS, see note 27.
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, see note 28.
26—TEXTILES, CLOTH FINISHING, see note 29.
28—TEXTILES, see note 30.
29—METAL WORKING, see notes 3, 6, 7 and 31.
31—DAIRY, see note 17.
32—DENTISTRY, see notes 6 and 15.
33—GEOMETRICAL INSTRUMENTS, see note 32.
42—FIREARMS, see note 33.
47—PLANT HUSBANDRY, see note 34.
49—GLASS, see note 35.
51—ABRADING, see note 2.
56—HARVESTERS, see note 19.
62—REFRIGERATION, see note 4.
67—ILLUMINATING BURNERS, see note 36.
69—LEATHER MANUFACTURES, see note 37.
76—METAL TOOLS AND IMPLEMENTS, MAKING, see note 11.
77—BORING AND DRILLING, see note 3.
79—BUTTON MAKING, see note 3.
80—METAL ROLLING, see notes 38 and 40.
81—TOOLS, see notes 12 and 53.
82—TURNING, see note 21.
86—AMMUNITION AND EXPLOSIVE-CHARGE MAKING, see note 39.
88—OPTICS, see note 40.
90—GEAR CUTTING, MILLING, AND PLANING, see notes 7 and 22.
93—PAPER MANUFACTURES, see note 41.
94—ROADS AND PAVEMENTS, see note 42.
97—PLOWS, see note 20.
107—BREAD, PASTRY, AND CONFECTION MAKING, see note 43.
112—SEWING MACHINES, see note 44.
114—SHIPS, see note 45.
120—STATIONERY, see notes 7 and 46.
125—STONE WORKING, see note 7.
128—SURGERY, see notes 15 and 46a.
130—THRESHING, see note 47.
131—TOBACCO, see note 48.
132—TOILET, see notes 2, 6 and 49.
139—TEXTILES, WEAVING, see note 50.
140—WIREWORKING, see note 51.
142—WOOD TURNING, see note 23.
143—WOOD SAWING, see note 24.
144—WOODWORKING, see notes 3, 7 and 25.
145—WOODWORKING TOOLS, see notes 3, 7 and 13.
146—VEGETABLE AND MEAT CUTTERS AND COMMINUTORS, see note 17.
147—COOPERING, see note 7.
148—METAL TREATMENT, see note 4.
154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, see note 53a.
158—LIQUID AND GASEOUS FUEL BURNERS, see note 4.
164—CUTTING AND PUNCHING SHEETS AND BARS, see note 17.
168—FARRIERY, see notes 6 and 55.
206—SPECIAL RECEPTACLES AND PACKAGES, see note 56.
216—LABEL PASTING AND PAPER HANGING, see note 57.
218—BUTTON, EYELET AND RIVET SETTING, see note 58.
219—ELECTRIC HEATING, see note 4.
220—METALLIC RECEPTACLES, see note 59.
224—PACKAGE AND ARTICLE CARRIERS, see note 60.
229—PAPER RECEPTACLES, see note 61.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, see note 7.
242—WINDING AND REELING, see note 62.
255—EARTH BORING, see notes 3 and 34.
262—MINING, QUARRYING AND ICE HARVESTING, see notes 3 and 7.
266—METALLURGICAL APPARATUS, see note 4.
294—HANDLING, HAND AND HOIST-LINE IMPLEMENTS, see note 14.
300—BRUSH, BROOM, AND MOP MAKING, see note 3.
D22—CUTLERY, see note 64.
D54—METAL WORKING, see note 64.

33, Geometrical Instruments

in subclass 226, under "Search classes" in the reference to class 74, change "5" to: *5+*.

35, Education

in the class definition, add:

(10) Note.—For signals and indicators, which may be used for educational purposes, search Class 116, SIGNALS AND INDICATORS. Note especially subclass 130+ for hand set indicators which indicate some fact or information.

40, Card, Picture, and Sign Exhibiting

in subclass 54, under "Search Class" in the reference to class 192, change ".01+" to: *.02 to .098*.

46, Amusement Devices, Toys

in subclass 75, cancel Notes "(1)" and "(2)" and add:

Search Class—

170—MOTORS, FLUID CURRENT, subclass 160.1+, particularly 160.25+ and 160.27 for helicopter or "Autogiro" rotors per se.
244—AERONAUTICS, subclass 17.11+, for helicopters or "Autogiros", i. e., gyroplanes.

47, Plant Husbandry

abolish the definition and notes to subclass 48,

establish the following subclass definition:

48.5. Apparatus and devices of container or cartridge form usually inserted or buried permanently in the ground near growing plants and adapted to contain water or other material to encourage the growth of plants.

(1) Note.—The water or other material usually may be discharged into the soil by means of some special feature of the device, such as perforations in the container.

Search this class, subclass—

1—for installed irrigating systems having means to supply fertilizer to the irrigating water.
58—for processes of irrigating or enriching the soil.

Search Class—

61—HYDRAULIC AND EARTH ENGINEERING, subclass 12+, for installed irrigation devices or systems functioning to conduct the flow of water in channels.
111—PLANTING, subclass 6+, for implements and machines having earth working means and means for directing liquid, gas or vapor into contact with or beneath the surface of the soil.

abolish the definition and note to subclass 49,

in subclass 57.5, cancel "(2) Note" and substitute:

(2) Note.—See this class, subclass 48.5, for devices designed to be buried in the soil for applying water, fertilizer, or the like.

and add the following note:

(5) Note.—See class 111, subclass 6+, for devices for impregnating the soil with liquid or gas, the devices having earthworking means.

59, Chain, Staple, and Horseshoe Making

in subclass 95, under "Search Classes" add:

287—ROD JOINTS OR COUPLINGS, subclass 91, for swiveled rod couplings.

60, Power Plants

in subclass 35.5, under "Search Class" in the reference to class 170, change "135.5+" to: *135.71*.

61, Hydraulic and Earth Engineering

in subclass 12, cancel the note and add:

Search Class—

47—PLANT HUSBANDRY, subclass 1, for installed irrigating systems having means to supply fertilizer to the irrigating water; subclass 48.5, for devices or apparatus of container or cartridge form to be inserted or buried in the ground, adapted to contain water or the like, which may be applied to or allowed to diffuse into the soil through some special feature of the device, such as perforations in the container; and subclass 58, for processes of enriching or otherwise treating the soil.
111—PLANTING, subclass 6+, for implements or machines having earthworking means and means for directing liquid, gas, or vapor into contact with or beneath the surface of the soil.
138—PIPES AND TUBULAR CONDUITS, for pipes or tubes of general application.

71, Chemistry, Fertilizers

in subclass 64, under "(1) Note," after "plant husbandry" (second occurrence), insert:

, and fertilizing cartridges adapted to be buried in the earth.

73, Measuring and Testing

in the class definition in "(4) Note" under "Search Class" in the reference to class 74, change "5" to: *5+* and in "(5) Note", insert in numerical order:

200—ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, for the combination of a measuring instrument and a circuit controller when specific structure of the circuit controller is claimed. Class 73 takes the combination of a class 73 measuring instrument and a circuit controller when the circuit controller is claimed broadly. In connection with class 200, the definitions of the subclasses of class 73 which provide for measuring instruments combined with other structure are modified by this note.

74, Machine Elements and Mechanisms

cancel the definition and notes to subclass 5 and substitute:

5. This is the generic locus for gyroscopes.

(1) Note.—A conventional gyroscope is a mechanism comprising a rotor journaled to spin about one axis, the journals of the rotor being mounted in an inner gimbal or ring, the inner gimbal being journaled for oscillation in an outer gimbal which in turn is journaled for oscillation relative to a support. The outer gimbal or ring is mounted so as to pivot about an axis in its own plane determined by the support. Hence the outer gimbal possesses one degree of rotational freedom and its axis possesses none. The inner gimbal is mounted in the outer gimbal so as to pivot about an axis in its own plane which axis is always normal to the pivotal axis of the outer gimbal. Hence the inner gimbal possesses two degrees of rotational freedom and its axis possesses one. The rotor is journaled to spin about an axis which is always normal to the axis of the inner gimbal. Hence the rotor possesses three degrees of rotational freedom and its axis possesses two. The center of gravity of the rotor is thus in a fixed position. The rotor simultaneously spins about one axis and is capable of oscillating about the two other axes, and thus except for its inherent resistance due to rotor spin, it is free to turn in any direction about the fixed point.

Some gyroscopes have mechanical equivalents substituted for one or more of the elements, e. g., the spinning rotor may be suspended in a fluid, instead of being pivotally mounted in gimbals. In some special cases, the outer gimbal (or its equivalent) may be omitted so that the rotor has only two degrees of freedom. In other cases, the center of gravity of the rotor may be offset from the axis of oscillation, and thus the center of gravity of the rotor and the center of suspension of the rotor may not coincide.

(2) Note.—Every rotating body has gyroscopic action, but such devices are not placed here unless at least one axis of oscillation is present.

(3) Note.—For combinations of gyroscopes with other devices see indented subclass 5.22 and the notes thereto appended.

Search this class, subclass—

5.22—and the notes thereto and see (2) Note, supra.
572+—for rotors per se.

Search Class—

46—AMUSEMENT DEVICES, TOYS, subclass 50, for gyroscopic toys, including gyroscopic tops.
248—SUPPORTS, subclass 182 for gimbals, per se.

establish the following subclass definitions:

5.1. Gyroscopes under subclass 5 combined with mechanism to hold the rotor axis fixed, when the rotor is not spinning, or if spinning, when it is desired to take the gyroscope out of useful operation.

(1) Note.—The rotor axis may be positively held with respect to the gyroscope support, or it may be heavily weighted to hold the rotor axis fixed with respect to the earth.

Search this class, subclass—

5.44—where the force of gravitation, acting upon a weight, and reacting against the rotor axis erects an operative gyroscope.

5.12. Devices under subclass 5.1 having a mechanism to impart spin to a rotor and a further means to release the holding means after the rotor is up to speed.

Search this class, subclass—

5.7—for rotor drives.

5.14. Devices under subclass 5.1 wherein further means is provided to adjust or vary the position held. This may be done by having the means which holds the rotor axis adjustable to vary the position held, or by having the first means restrain movement in one plane and a second means to position the rotor axis in that plane.

5.2. Gyroscopes under subclass 5 wherein means is provided to prevent alignment of the rotor axis with a gimbal axis.

5.22. Gyroscopes under subclass 5 combined with structure other than the gyroscope, except means to control and/or drive the mechanism.

(1) Note.—The large majority of patents found here are of the stabilizing type and recite the device stabilized by name only. Where structure of the device over and above that necessary to mount the device is claimed, or where a particular relationship to the device is claimed, the patents have been classified with the device.

Search this class, subclass—

5.4+—for gyroscope control.
5.37—for drives for plural gyroscopes.
5.7—for drives for single gyroscopes.
64—for inertia or centrifugally controlled rotary transmitters.
259—for gyroscopically controlled planetary gearing.

Search Class—
33—GEOMETRICAL INSTRUMENTS, subclass 49, for gyroscopic control devices in conjunction with gun sight mechanism; subclass 204, for gyroscopic controlled direction indicators; and subclass 226, for gyroscopic controlled compasses.
46—AMUSEMENT DEVICES, TOYS, subclass 50, for gyroscopic toys, and subclass 208, for inertia operated driving means for wheeled toys.
95—PHOTOGRAPHY, subclass 12.5, for gyroscopically controlled aerial cameras.
105—RAILWAY ROLLING STOCK, subclass 141+, for monorail type railway rolling stock combined with gyroscopes and subclass 150+, for suspended monorail type rolling stock combined with gyroscopes.
114—SHIPS, subclasses 21 and 24, for gyroscopically controlled torpedo steering mechanism; subclass 122, for gyroscopic anti-rolling stabilizers combined with ships; and subclass 144, for gyroscopic controlled steering.
180—MOTOR VEHICLES, subclass 1, for motor vehicles combined with gyroscopes.
244—AERONAUTICS, subclass 79, for gyroscope actuated automatic aircraft control.
264—SPEED-RESPONSIVE DEVICES, appropriate subclasses, for gyroscopes combined with speed responsive device, and particularly subclass 1 for rate of change of speed (i. e., acceleration) devices.

5.34 Gyroscopes under subclass 5 comprising two or more gyroscopes.

5.37. Devices under subclass 5.34 having means for driving the gyroscopes.

Search this class, subclass—
5.7—for drives for single gyroscopes.

5.4 Gyroscopes under subclass 5 having means to apply one or more forces to the rotor axis to control the movement of the rotor axis about its center of suspension.

5.41. Devices under subclass 5.4 wherein one or more forces act to move the rotor axis to a given position, usually to a vertical position.

(1) Note.—Where the force of the surrounding atmosphere against a plurality of vanes is used for erection, the patent will be found in this subclass.

5.42. Devices under subclass 5.41 where at least two diverse forces are used for erection.

(1) Note.—Pendulous gyroscopes having an additional means to erect them are here when both means are claimed, and cross-referenced to the subclasses indented hereunder for the separate means.

5.43. Devices under subclass 5.41 wherein the force of a fluid jet is used for erection.

5.44. Devices under subclass 5.41 wherein the gravitational force upon a weight is utilized for erection.

(1) Note.—Pendulous gyroscopes with no other erecting controls are here.

Search this class, subclass—
5.1—for weight actuated parking or caging devices.
5.42—for pendulous gyroscopes having an additional force utilized for erection.

5.45. Devices under subclass 5.41 wherein the application of a frictional force is utilized for erection.

(1) Note.—Where the force of the surrounding atmosphere against a plurality of vanes is used for erection, the patents will be found in subclass 5.41.

5.46. Devices under subclass 5.41 wherein the force of a magnetic field is utilized for erection.

5.47. Devices under subclass 5.41 where the torque of a prime mover constitutes the force used for erection.

5.5. Devices under subclass 5.4 having means to dampen the oscillation of the gimbals, or of the rotor axis.

5.6. Gyroscopes under subclass 5 having a means to sense the relative position or change of position of the rotor axis, and/or its gimbals.

(1) Note.—The sensing means normally actuates or controls a signal, indicator or a control for another device.

5.7. Gyroscopes under subclass 5 having means to drive the rotor.

Search this class, subclass—
5.12—for rotor spin mechanism combined with cage release mechanisms.

5.8 Gyroscopes under subclass 5 peculiarly constructed for operating with the spin axis in a vertical position only.

5.9 Gyroscopes under subclass 5 peculiarly constructed for operating with the spin axis in a horizontal position only.

in subclass 189, add:

(4) Note.—This subclass includes gearing combined with a propeller or with plural propellers which are recited merely as a load.

Search Class—
170—MOTORS, FLUID CURRENT, subclasses 135.2+, for gearing combined significantly with plural impellers which have relative movement and/or different axes, and 135.75, for gearing combined with single impellers or plural impellers having no relative movement and/or different axes.

in subclass 472, in the note, change ".01" to: *.02 to .098.*

82, Turning

in subclass 31, add:

Search this class, subclass—
33—for centers to be secured in the tail stock to rotatably support the work.

110, Furnaces

in subclass 18, add:

Search Class—
126—STOVES AND FURNACES, subclass 224, for trash burners structurally related to cooking or heating stoves.

111, Planting

in subclass 6, cancel the definition and notes and substitute:

6. Apparatus and devices under the class definition for directing liquid, gas, or vapor into contact with or beneath the top surface of the soil.

Search this class, subclass—
2+—for implements having means to hold or guide plants into the ground.

Search Class—
47—PLANT HUSBANDRY, subclass 48.5, for soil treating devices of cartridge or container form to be buried in and to remain in the ground, usually discharging their irrigating or fertilizing contents over a period of time; and subclass 58, for all methods of enriching or treating the soil with liquid or gas.
61—HYDRAULIC AND EARTH ENGINEERING, subclass 12+, for irrigating systems involving the conduction of liquids in channels or the like.

in subclass 7, cancel the definition and note and substitute:

7. Instruments or machines under subclass 6 having furrow opening means.

establish the following subclass definitions:

7.1. Devices under subclass 6 where the earth working means are hand operated.

7.2. Devices under subclass 7.1 having material supply means integral with the implement or directly supported by and carried with the implement.

7.3. Devices under subclass 7.2 having a fluid control valve operated solely by contact of the implement with the ground.

7.4. Devices under subclass 7.2 wherein the fluid is ejected by means of a force pump or other discharge assistant.

in subclass 99, cancel "(2) Note", and substitute:

(2) Note.—For tools for forming similar cavities in the earth and introducing liquid, vapor, or gas into contact with or beneath the surface of the soil, see this class, subclass 6+.

114, Ships

in subclass 24, under "Search Class" change "5" to: *5+.*

115, Marine Propulsion

in subclass 35, in the note, change "160" to: *160.1.*

116, Signals and Indicators

in subclass 34, under "Search Class" add in numerical order:

73—MEASURING AND TESTING, subclass 390, for fluid pressure gauges combined with a vehicle tire or valve installation.

in subclass 130, under "Search Class" insert:

35—EDUCATION, for hand set indicators which serve an educational purpose.

126, Stoves and Furnaces

in subclass 224, under "(2) Search Class" cancel the period and add:

and subclass 18, for trash burners not structurally related to cooking or heating stoves.

134, Cleaning and Liquid Contact with Solids

in the class definition, under "Notes" under "(5) Index to preceding notes and . . ." in the reference to class 47, cancel "and 48+, involving irrigating and weed killing", and substitute: *and 48.5, for plant irrigators.* and insert:

111—PLANTING, subclass 6+, for devices having earth working implements and adapted to deliver liquid or gas for contact with the soil.

139, Textiles, Weaving

cancel the definition of subclass 368 and substitute:
368. Limited to the structure of the detector per se.

146, Vegetable and Meat Cutters and Comminutors

in subclass 2, cancel Notes "(1)" and "(2)", and substitute:

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 3.10+, for egg washers.
65—KITCHEN AND TABLE ARTICLES, appropriate subclasses, for egg cutters in combination with and attached to a table cup.

160, Closures, Partitions and Panels, Flexible and Portable

in subclass 383 in "(5) Note" cancel the reference to class 234, and substitute:

346—RECORDERS, appropriate subclasses.

170, Motors, Fluid Current

in the class definition, fourth paragraph, first sentence, cancel "move themselves therethrough" and substitute: *produce a reactive force on themselves*
cancel the third and fourth sentences,
in the sixth paragraph, after "per se" insert: *or with its drive means*
establish the following subclass definition:

1.5. Fluid current motors or impellers under the class definition, which utilize the unbalanced or asymmetrical distribution of fluid pressures about the circumference of a cylindrical rotary body that result from a layer of fluid which is more or less adherent to the surface of the rotor, moving at one side of the rotor in a direction contrary to that of the fluid current and at the opposite side of the rotor in the same direction as the fluid current.

Search Class—
244—AERONAUTICS, subclasses 10 and 21, for cylindrical rotor sustaining means combined with aircraft.

in subclass 135, first sentence, cancel "move themselves therethrough" and substitute: *produce a reactive force on themselves*
cancel the second sentence,
insert in numerical order:

(1.5) Note.—The impellers of this subclass and indented subclasses may be provided with a driving means or motor or the impeller may be adjusted in some manner. In either case, sufficient structure of the device or vehicle upon which the impeller or the impeller and motor are mounted may be included to provide a mounting for the impeller. Any additional recitation of structure of the device or vehicle will require classification in the proper vehicle class. See class 244, AERONAUTICS, subclass 17.40, (3) Note, for a statement of the line.

(1.75) Note.—In those instances where the impeller is recited in combination with a driving means or a motor, this subclass and indented subclasses require that a significant recitation of the impeller be made. Accordingly, a recitation of plural impellers or an adjustable impeller combined with a motor is such a significant recitation as would require placement in this or indented subclass. However, a recitation of an impeller by name only and a motor in such a manner that the impeller is set forth merely as a load is classified in the appropriate motor class.

and under "(2) Search Classes" add in numerical order:

123—INTERNAL-COMBUSTION ENGINES, see (1.75) Note above.
198—CONVEYORS, POWER DRIVEN, subclass 213+, for screw impellers for conveyors.

abolish the definitions of subclasses 135.5 and 135.6,

establish the following subclass definitions:

135.2. Impellers under subclass 135 which comprise two or more fluid current impelling devices which are movable relative to each other and/or which rotate about different axes.

(1) Note.—Movement of one impeller relative to another may consist in (1) relative rotation, i. e., rotation in opposite direction, in the same direction at variable speeds, or positive drive of one and free rotation or non-rotation of another, (2) relative pitch adjustment, or (3) moving one impeller closer to or away from another impeller by means other than mere adjustment of securing means for the impellers.

(2) Note.—The structural association of the two or more impellers frequently consists of the mounting of one impeller upon or closely adjacent another impeller without requiring the interposition of a common stationary support, such as a vehicle frame. See subclasses 135.21 and 135.25 for such devices.

(3) Note.—For combinations of two or more impellers with significant vehicle structure, see the appropriate vehicle classes. The vehicle is considered as significantly claimed when more structure than is necessary to mount the impeller and its drive mechanism is claimed.

(4) Note.—Synchronizing means for a plurality of motors driving individual impellers are in class 172, ELECTRICITY-MOTIVE POWER, subclass 293, if the motors are electrical, and in class 60, POWER PLANTS, subclasses 6+ and 97+, if the motors are non-electrical.

Search this class, subclass—
3, 13, 36+ and **57**—for windmills having two or more windwheels.
83, 87, 105, 115 and **129**—for water motors having two or more water wheels.
165—for plural impellers which are axially spaced on the same shaft and which are not relatively movable.
166—for plural impellers which are radially spaced and which are not relatively movable.

Search Class—
60—POWER PLANTS, subclass 97, for synchronizing of plural motors, and see (4) Note above.
74—MACHINE ELEMENTS AND MECHANISMS, subclass 189+, for gearing with impellers recited by name only, and subclass 389+, for gear mechanisms for driving a plurality of propellers from a single driving means. See (4) Note above.
115—MARINE PROPULSION, subclass 37+, for ships having multiple screw propellers.
172—ELECTRICITY-MOTIVE POWER, subclass 293 for synchronizing of plural electric motors and see (4) Note above.
244—AERONAUTICS, subclass 17.23, for plural gyroplane rotors combined with significant vehicle structure; subclass 55, for the arrangement of two or more power plants on an aircraft where more structure than that necessary to mount the power plants is claimed; and subclass 65, for two or more impellers mounted on an aircraft where more structure than that necessary to mount the impellers is claimed.

135.21. Impellers under subclass 135.2 in which one impeller is mounted on another.

Search this class, subclass—
135.4—for a jet reaction motor mounted on an impeller.

135.22. Impellers under subclass 135.2 in which the impellers rotate about axes which are angular to each other, i. e., diverge from each other.

(1) Note.—This subclass includes impellers with divergent axes which are differentially or independently adjusted for steering purposes, such as an adjustable propulsive or anti-torque impeller combined with a lifting rotor.

Search this class, subclass—
135.24—for plural impellers whose axes are not divergent and which are differentially or independently adjusted.

Search Class—
244—AERONAUTICS, subclass 17.11, and particularly subclass 17.21, for plural impellers having divergent axes and combined with significant aircraft structure.

135.23. Impellers under subclass 135.22 in which the plural impellers comprise an impeller for forward propulsion and an auto-rotating wing or impeller.

(1) Note.—This subclass includes those devices which provide a clutch between the propulsive propeller and the auto-rotating impeller to cause a positive torque to be applied to the auto-rotating impeller during the take-off period.

Search this class, subclass—
135.75—for impellers, including auto-rotating impellers, combined with a clutch.

135.24. Impellers under subclass 135.2 in which one impeller is adjusted unequally and/or independently with respect to another to effect lateral control or other variation in thrust.

(1) Note.—This subclass includes impellers, whose relative adjustment is for the purpose of steering the vehicle.

Search this class, subclass—
135.22+—for plural impellers with divergent axes which are differentially adjustable.
135.27—for coaxial impellers which are concurrently adjustable.
135.29—for adjustment to effect synchronization.

135.25. Plural impellers under subclass 135.2 which rotate about a common axis.

(1) Note.—Coaxial impellers comprise impellers rotatable about a common axis including concentric impellers and those having a motor interposed between them.

Search Class—
244—AERONAUTICS, subclass 17.23, for plural lifting rotors combined with significant aircraft structure.

135.26. Impellers under subclass 135.25 which are tiltable as a unit about an axis and/or impellers in which the adjustment is cyclic or occurs periodically during each revolution of the impeller.

Search this class, subclass—
160.25—for a single impeller which is cyclically adjustable.
160.26—for a single impeller which may be tilted and cyclically adjusted.
160.27—for a single tiltable impeller.

135.27. Plural impellers under subclass 135.25 in which the blades or impelling surfaces of at least two of the impellers are arranged to be adjusted simultaneously.

Search this class, subclass—
135.24—for coaxial impellers with differential adjustment.
135.25—for oppositely rotating free blade impellers in which the adjustment caused by aerodynamic forces may or may not be simultaneous.

135.28. Plural impellers under subclass 135.25 in which the direction of rotation of one impeller is contrary to the direction of rotation of another impeller.

(1) Note.—This subclass includes two oppositely rotating impellers adjustable only by the dynamic blade forces thereon, e. g., free blade type.

Search this class, subclass—
135.24—for impellers having differential and/or independent adjustment.
135.27—for oppositely rotating impellers whose pitch is concurrently adjusted.

135.29. Impellers under subclass 135.2 in which means is provided for adjustment of the impellers automatically in response to a predetermined condition or conditions.

(1) Note.—This subclass includes the synchronizing of impellers in which the adjustment of one or more impellers is in response to the condition of another impeller (known as the master) or in response to a master control unit.

Search this class, subclass—
135.72—for a single impeller automatically adjusted by a motor or drive condition.
160.17—for a single impeller automatically adjusted by a reference speed device.

Search Class—
60—POWER PLANTS, subclass 97, for synchronizing of plural motors and see (4) Note in this class, subclass 135.2.
172—ELECTRICITY, MOTIVE POWER, subclass 293, for synchronizing plural electric motors and see (4) Note in this class, subclass 135.2.

135.4. Impellers under subclass 135 including means carried by and rotatable with the impeller for receiving fluid from or delivering fluid to the fluid medium adjacent the impeller.

(1) Note.—Impellers which are rotated by one or more jet reaction motors mounted for rotation with the impeller are here included.
(2) Note.—Impellers having means for modifying the aerodynamic action of the blades thereof by giving motion to the layer of fluid in contact with the blades by an intake or discharge of fluid adjacent the layer (i. e., boundary layer excitation) are here classified.

Search this class, subclass—
135.21—for intermounted impellers.

Search Class—
60—POWER PLANTS, subclass 35.5+, for jet reaction motors not significantly combined with an impeller.
244—AERONAUTICS, subclass 73, for aircraft propelled by a jet motor.

135.7. Impellers under subclass 135 combined with means for driving the impellers.

(1) Note.—This subclass and indented subclasses include the combination of a motor with plural impellers which have no relative movement and/or different axes.
(2) Note.—Gear mechanism for driving an impeller or plural impellers as set forth in (1) Note, even though the impeller and/or drive motor is included by name without significant details thereof, is classified in class 74, MACHINE ELEMENTS AND MECHANISMS, subclass 189+.
(3) Note.—Combinations of impellers with drive motors where the impeller is claimed broadly as a load for the motor are classified with the motor. Such features as tiltable axes, pitch control or a mere plurality of impellers are regarded as significant impeller structure and will cause classification in class 170, even though a specific motor is claimed.

Search this class, subclass—
160.1+—for adjustable impellers per se.

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, appropriate subclasses, and see (1) Note above.
115—MARINE PROPULSION, appropriate subclasses, but particularly subclass 34+, for screw propeller drive mechanisms in which the ship or vessel propelled thereby is significantly combined therewith; and subclass 17+, for motor propeller combinations adapted to be readily detached as a unit from the ship or vessel and commonly known as "outboard motors".
123—INTERNAL-COMBUSTION ENGINES, subclass 171, and see (3) Note above.
230—GAS PUMPS AND FANS, subclass 258+, for combinations of fans driven by motors.
244—AERONAUTICS, subclasses 60 and 62+, for propeller drive mechanisms in which the aircraft propeller thereby is significantly combined therewith.
290—PRIME-MOVER DYNAMO PLANTS, appropriate subclass, for electric motor devices with impellers recited by name only and combined with a prime mover or prime mover control. See (3) Note above.
318—ELECTRICITY, MOTIVE POWER SYSTEMS, appropriate subclass, for electric motor devices combined with impellers recited by drive and its control, which control includes generator control. See subclass 105+ for plural electric motors having plural sources of supply, such as electric generators. See (3) Note above.

135.71. Impellers under subclass 135.7 in which the drive mechanism is a motor which exhausts a fluid into a jet reaction motor.

(1) Note.—The motor usually is an internal combustion engine or turbine.
(2) Note.—The motor may be mounted in the jet blast or nozzle.

Search Class—
60—POWER PLANTS, subclass 35.5+, for jet reaction motors, and see (3) Note, subclass 135.7.

135.72. Impellers under subclass 135.7 in which the blades of the impeller are adjustable by mechanism positioned in accordance with an operational characteristic of the motor which drives the impeller.

(1) Note.—This subclass includes impellers which are adjustable by means responsive to motor torque. See this class, subclass 160.1+, for impellers in which the engine torque is one of the dynamic forces acting upon the impeller itself when rotating.

Search this class, subclass—
135.73+—for impellers in which the blades are adjustable simultaneously with the adjustment of a control for the drive mechanism.
160.13—for impellers adjustable by a theremostat which is not significantly related to the motor driving the impeller.

135.73. Impellers under subclass 135.7 in which the adjustment of the impeller is caused to be made concurrently or in conformity with an adjustment of the mechanism which drives the impeller.

Search this class, subclass—
135.75—for control of the drive mechanism such as a clutch or gearing without concurrent control of impeller.
160.1+—for adjustment of the impeller per se.

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, subclass 471+, for lever and linkage systems in which a plurality of devices are actuated from a single control element.

135.74. Impellers under subclass 135.73 in which the adjustment for the mechanism driving the impeller comprises a control of the driving motor.

(1) Note.—The driving motor is frequently an internal combustion engine and the control is a throttle valve or other means to modify the fuel supply to the engine.

Search Class—
123—INTERNAL-COMBUSTION ENGINES, subclass 97+, for speed regulators for internal combustion engines, and subclass 119, for devices which modify the supercharging of the engine.

192—CLUTCHES AND POWER-STOP CONTROL, subclass .01+, and 1+, for devices for concurrent control of a motor and either a clutch or brake.

135.75. Impellers under subclass 135.7 in which the impeller is significantly combined with one or more of the following: (1) a clutch which automatically or at will frees the impeller of all or a portion of its driving connection with a prime mover or other driving means, (2) a brake which retards or stops rotary motion of the impeller, or (3) gear mechanism for driving the impeller in which the gear mechanism transmits the rotary motion of one shaft to another shaft by rolling contacts.

Search this class, subclass—
135.73—for an interrelated control for the impeller and drive mechanism.
160.1+—for adjustable impellers per se.

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, subclass 189+, for gearing per se and for the combination of gearing with an impeller which is recited by name only.
188—BRAKES, appropriate subclasses, for the brake per se.
192—CLUTCHES AND POWER-STOP CONTROL, subclass 30+, for clutches per se.

abolish the definitions of subclasses 160, 161, 162, 163, and 164,

establish the following subclass definitions:

160.1. Impellers under subclass 159 which are adjustable.

(1) Note.—The term impeller connotes the entire assembly or the fluid reaction elements or blades. An adjustable impeller, within the meaning of this subclass and indented subclasses, is one which is movable in whole or in part in any manner. For example, the diameter, pitch or chord length may be varied. Further, the impeller may be movable in its plane of rotation or it may be slidable along or tilted with respect to the drive shaft. The various types of adjustable impellers are defined in the subsequent subclasses.
(2) Note.—Since an impeller is ordinarily associated with a vehicle, such as an aircraft or ship, the recitation of the impeller and the vehicle will not exclude the patent from this or indented subclasses provided that no more vehicle structure is claimed than is necessary to mount the impeller and its control means. However, a recitation of significant vehicle structure requires placement in the appropriate vehicle class.

Search this class, subclass—
135.2+—for plural impellers which are relatively movable and/or have different axes.
135.7+—for adjustable impellers combined with a motor or drive mechanism.

Search Class—
98—VENTILATION, appropriate subclasses, for impellers for ventilators.
103—PUMPS, subclass 11+, for pumps with adjurtable blades.
198—CONVEYORS, POWER DRIVEN, subclass 213, for screw conveyors.
230—GAS PUMPS AND FANS, subclass 114, for compressors having adjustable impellers.
253—MOTORS, FLUID, appropriate subclass, for adjustable impellers for turbines.

160.11. Impellers under subclass 160.1 in which the blades are adjusted, either automatically or by a manual or motor means, to change the diameter of the disklike area swept by the blade.

160.12. Impellers under subclass 160.1 which are collapsible or foldable when not used as an impelling device.

(1) Note.—The devices in this subclass may relate to gyroplane, e. g., "Autogiro" or helicopter, rotors which are foldable adjacent to the fuselage, usually when the machine is also usable as a road vehicle.

Search Class—
244—AERONAUTICS, subclass 2, for vehicles convertible from an aircraft to a land or water vehicle in which the flight mechanism is disabled during travel on land or water, and subclass 17.11 for collapsible impellers combined significantly with the aircraft.

160.13. Devices under subclass 160.1 which are actuated or controlled by a condition responsive means.

(1) Note.—The condition responsive means in this and indented subclasses relates to separate and distinct blade actuating or controlling means and does not refer to those blades positioned by dynamic blade forces of the blade itself, i. e., free blade.

Search this class, subclass—
19, 20+, 31+; 58, 59+, and **75**—for windmills with adjustable blades.
91+, 117, 118, and **123**—for water motors with adjustable blades.
135.72—for adjustable impellers combined with a motor and responsive to motor conditions, such as motor temperature.
160.24+—for non-automatic adjustments of the impeller.
160.1 and **160.49–160.57**, inclusive—for blades positioned by dynamic blade forces due to particular axis distribution, blade weight distribution or additional weights or other devices attached to the blade and which form an integral part and are movable therewith during the adjustment period.

160.14. Devices under subclass 160.13 in which the impeller adjustment is actuated or controlled by (1) a plurality of condition responsive means, or (2) a condition responsive means which modifies or controls another condition responsive means.

(1) Note.—A mere manual control in parallel relationship to a condition responsive means or a manual modifying means to a condition responsive means is not considered as itself being a condition responsive means, and such devices are classified on the basis of the automatic control by a single condition.

160.15. Devices under subclass 160.13 which are responsive to a condition proportional to the translational speed of the impeller.

(1) Note.—Impellers responsive to vehicle speed as determined by a Pitot tube or other pressure sensitive means are classified in this subclass.
(2) Note.—For the distinction between automatic and non-automatic control by translation of the aircraft, see (1) Note of this class, subclass 160.14, and (2) Note, class 244, AERONAUTICS, subclass 17.13.

160.16. Devices under subclass 160.13 which are responsive to a condition proportional to rotational speed of the blade or shaft.

(1) Note.—Manual controls in parallel relationship to a speed responsive means or a manual means modifying a speed responsive means are included in this and the indented subclasses. See (1) Note of this class, subclass 160.14.

Search this class, subclass—
160.51+—for resiliently biased impellers which have no speed responsive means other than the impeller itself, i. e., free blade type.

Search Class—
264—SPEED-RESPONSIVE DEVICES, appropriate subclasses, for speed responsive means per se.

160.17. Devices under subclass 160.16 in which the blade rotational speed is compared with a constant speed device or motor to effect the blade adjustment.

Search this class, subclass—
135.29—for synchronization of plural impellers.

Search Class—
175—ELECTRICITY, GENERAL APPLICATIONS, subclass 355, for speed control by comparison with an electrical constant speed device.

160.18. Impellers under subclass 160.16 in which the impeller adjustment is effected by means of power derived from the drive shaft.

Search this class, subclass—
160.28—for similar impellers which are not automatically controlled.

160.19. Devices under subclass 160.16 in which the adjustment of the blade is effected by a motor which is actuated by means responsive to the blade or shaft rotational speed.

Search this class, subclass—
160.3+—for non-automatic adjustment of the impeller by a motor carried by the impeller.
160.34+—for non-automatic adjustment of the impeller by a motor on a stationary part of the device mounting the impeller.

Search Class—
121—MOTORS, EXPANSIBLE-CHAMBER TYPE, appropriate subclasses, for the fluid motor not combined with impeller adjustment means.

160.2. Devices under subclass 160.19 in which the motor is carried by and rotates with the blade, hub and/or shaft.

160.21. Devices under subclass 160.2 in which the speed responsive means as well as the blade adjustment motor is carried by the blade, hub and/or shaft.

160.22. Impellers under subclass 160.1, having an indicator, recorder or gauge for indicating the position of the impeller or the impeller adjusting means.

(1) Note.—Specific impeller adjusting mechanisms are cross-referenced in subsequent subclasses.

160.23. Impellers under subclass 160.1 in combination with features other than the structure producing the impeller adjustment.

(1) Note.—The following structures are included herein:

a. The lubrication of the impeller adjustment mechanism.
b. Sealing means for the impeller hub.
c. Means to lift the impeller when disassembling the impeller from the craft.
d. Shields or protective coverings for the adjustment mechanism.

160.24. Devices under subclass 160.1 in which the impeller adjustment is positively produced by a motor or manual means.

(1) Note.—The impeller adjustment may be produced when the blade is being driven or is stationary.

Search this class, subclass—
160.13+—for impellers which are automatically adjustable, and 160.49+, for impeller adjustments which are the result of dynamic forces on the impeller itself or on a device forming an integral part thereof, i. e., free blade type impellers.

160.25. Impellers under subclass 160.24 in which the impeller adjustment is cyclic or recurs periodically during each revolution of the impeller.

(1) Note.—This subclass includes helicopter rotors per se in which cyclic pitch adjustment of the impeller produces a thrust force in such a direction as to cause the craft to be steered. The mere recitation of steering is not considered as reciting significant craft structure.

(2) Note.—Many of the patents of this subclass provide for an adjustment of the so-called mean pitch of the impellers as well as the cyclic pitch variation. See subclasses 160.28–160.48 for the adjustment of the mean pitch of an impeller by a positive control of the impeller.

Search this class, subclass—
135.26—for plural coaxial impellers adjusted cyclically.
135.4—for impeller control by discharge of air from the blade, i. e., boundary layer excitation, and see (2) Note of the definition.
160.28–160.48—for positive control of mean pitch adjustments. (See (2) Note above.)

Search Class—
244—AERONAUTICS, subclass 17.25, for similar devices significantly combined with an aircraft.

160.26. Impellers under subclass 160.25 in which the impeller is further adjusted by tilting the impeller supporting hub, as a unit, about an axis.

(1) Note.—See (1) Note under subclasses 160.25 and 160.27 for distinctions relating to steering and significant vehicle structure.

Search this class, subclass—
160.27—for tiltable axis propellers without cyclic pitch control, and see the notes thereto.

160.27. Impellers under subclass 160.24 in which the impeller with its supporting hub is shiftable as a unit to change the direction of thrust.

(1) Note.—This subclass includes helicopter rotors which are shiftable to a position in which the thrust or lift has a horizontal component producing a steering action on the craft. The mere recitation of craft steering is not considered such a significant vehicle recitation as to exclude these patents from this subclass.

(2) Note.—Many of the patents in this subclass provide for plural articulation of the impeller blade to the hub in addition to the positive tilting of the hub.

Search this class, subclass—
135.26—for plural coaxial tiltable rotors.
135.7+—for the tiltable rotor combined with a drive means therefor.
160.56—for plural articulation of the impeller blade per se and see (2) Note above.

Search Class—
244—AERONAUTICS, subclass 17.25, for tiltable rotors significantly combined with an aircraft.

160.28. Impellers under subclass 160.24 in which the impeller adjustment is effected by means of power from the drive shaft.

(1) Note.—The usual structure of this subclass is directed to a clutch device between the impeller adjustment means and the drive shaft enabling the adjustment of the impeller when the clutch is engaged.

Search this class, subclass—
135.75—for clutches interposed between the drive shaft and the impeller.
160.18—for adjustable impellers of this type which are automatically controlled.

160.29. Impellers under subclass 16.28 in which an element of the impeller adjusting mechanism is braked to cause a relative rotation between the element and the drive shaft to effect the impeller adjustment.

(1) Note.—Those adjustable impellers provided with a differential means between the impeller adjusting means and the drive shaft and which are provided with a brake to cause relative rotation of the differential means are included in this subclass.

Search this class, subclass—
135.75—for brakes on the drive shaft or impeller to prevent rotation.

160.3. Impellers under subclass 160.24 in which the adjustment is effected by a motor mounted on and rotatable with the impeller, hub, and/or drive shaft of the impeller.

(1) Note.—The patents in this subclass are primarily directed to impellers which are adjustable by an electric motor.

Search this class, subclass—
160.13+—for similar devices which are responsive to a condition, such as translational or rotational speed.
160.34+—and particularly 160.37, for a motor actuated impeller adjustment when the motor means is not mounted on the impeller.

160.31. Impellers under subclass 160.3 in which the motor is a fluid motor.

Search Class—
121—MOTORS, EXPANSIBLE-CHAMBER TYPE, appropriate subclasses, for fluid motors per se.

160.32. Impellers under subclass 160.31 in which the fluid motor is coaxial with the drive shaft axis.

160.33. Impellers under subclass 160.31 in which the fluid motor is mounted on or wholly within the impeller blade.

160.34. Impellers under subclass 160.24 in which the impeller adjustment is effected by a power or manual actuator mounted on a stationary part.

(1) Note.—This subclass includes impellers adjusted by an axial movement of the drive shaft.

Search this class, subclass—
160.13+—for similar devices which are automatically controlled.
160.36—for impellers adjusted by an axial movement of the hub on the drive shaft.
160.58+—for impeller mountings which enable the impeller to be adjusted.

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, subclass 96 and indented subclasses, for devices which transmit an oscillating movement of an element to an oscillating movement of another element, and subclass 99+, for devices which convert a reciprocating movement of one element to an oscillating movement of another element.
287—ROD JOINTS OR COUPLINGS, subclass 3, for joints between an element on a stationary part and an element on a rotary part whereby one element may slide with respect to the other.

160.35. Devices under subclass 160.34 which include a planetary gearing between (1) an element rotatable with the impeller which adjusts the impeller and (2) a non-rotatable element which controls the adjustment.

160.36. Devices under subclass 160.34 in which the power or manual actuator effects an axial movement of the impeller or the impeller hub on its drive shaft to produce an impeller adjustment.

Search this class, subclass—
160.34—for those devices in which the drive shaft as well as the impeller and the impeller hub is axially movable for impeller adjustment.
160.49—for impellers which are axially movable under the influence of aerodynamic forces on the impeller.

160.37. Impellers under subclass 160.34 in which the impeller adjustment is effected by a motor.

Search this class, subclass—
160.13+—for similar devices which are automatically controlled.
160.24+—especially subclass 160.3+, for those devices in which the motor producing the impeller adjustment is rotatable with the impeller.

160.38. Impellers under subclass 160.34 provided with a means to adjust the impeller combined with a locking device for holding the impeller in a specified adjusted position.

(1) Note.—This device is in addition to a mere static condition of the adjustment means. Detents of the rack and dog type on pivoted hand levers are excluded.

160.39. Impellers under subclass 160.34 in which the impeller is adjusted by one actuating means but in which the actuating means is connected to the impeller through a dual connection designed to relieve the strain on the blade or its immediate operating connection.

(1) Note.—The dual connection may be any means of imparting motion to the impeller, such as dual links, cams, cam-slots, pin-slots, etc.

160.4. Impellers under subclass 160.34 in which an axially movable or rotatable rod, adapted to adjust the impeller, enters the impeller hub from the outer side, i. e., the forward end of the impeller hub.

160.41. Impellers under subclass 160.34 in which the adjustment is effected by a rod or sleeve actuated by a screw which is coaxial with the impeller drive shaft.

Search this class, subclass—
160.43+—for impellers adjusted by a sleeve actuated by a screw having an axis parallel to the impeller drive shaft axis.

160.42. Impellers under subclass 160.34 in which a rod which adjusts the impeller extends through the entire length of the impeller drive shaft.

(1) Note.—Many of the patents of this subclass are directed to automobile cooling fans which have adjustable blades and which are driven by a fan pulley.

Search this class, subclass—
135.72—for adjustable impellers combined with a drive motor and responsive to a condition of the drive motor.
160.13+—for automatically adjustable impellers per se.
160.43+—for similar devices in which the adjusting rod is on the drive shaft or projects through a portion of the drive shaft.

160.43. Impellers under subclass 160.34 in which a sleeve, collar or rod on or in the impeller drive shaft is reciprocated relative thereto for impeller adjustment.

160.44. Impellers under subclass 160.43 in which a rotary means is provided between the reciprocating sleeve, collar or rod and the impeller for impeller adjustment.

(1) Note.—Partial rotation, as by a cam slot, is included, but where the rotary element is the blade itself or a member rigidly connected to the blade, classification is in subclass 160.47 below.

Search this class, subclass—
160.47—for impeller positioning means in which a reciprocating sleeve, collar or rod imparts a rotary motion to the blade by means of a pin or cam and slot connection between the reciprocating element and the blade. See (1) Note above.

160.45. Impellers under subclass 160.44 in which the connection from the rotary means to the impeller includes a geared connection to the impeller blade.

Search this class, subclass—
160.43—for impellers having a geared connection thereto from the reciprocating sleeve, collar or rod without an intermediary rotary means.

160.46. Impellers under subclass 160.43 in which the connection from the sleeve, collar or rod includes a link connection to the blades.

Search this class, subclass—
160.39—for similar devices having plural links extending to the same blade.

160.47. Impellers under subclass 160.43 in which the connection from the sleeve, collar or rod includes a pin-slot, cam-slot or cam connection to the impeller blades.

160.48. Impellers under subclass 160.34 in which a sleeve, collar or rod is rotated on or in the impeller drive shaft for impeller adjustment.

Search this class, subclass—
160.43+—for sleeves, rods or collars which have both rotary and reciprocating motion.

160.49. Impellers under subclass 160.1 in which the impeller hub or carrier is axially movable on the impeller drive shaft, usually under the influence of forces on the impeller.

Search this class, subclass—
160.36—for power or manually axially displaceable hub or blade carrier.

160.5. Impellers under subclass 160.1 in which impeller blades are composed of flexible material.

Search this class, subclass—
160.56—for blades having plural articulations.
160.6+—for blades other than flexible blades which are releasably clamped in their supporting means.

160.51. Impellers under subclass 160.1 in which the impeller is biased by a resilient element which may be a mounting element tending to restore the impeller to its original or predetermined position.

Search this class, subclass—
160.1—for adjustable impellers having no spring biasing means.
160.16—for automatically adjustable impellers which are controlled by a governor to an adjusted position, the governor being biased by a resilient device.
160.5—for impellers having flexible blade material.
160.59—for impellers having a detent means for mounting the impeller on the hub which detent is spring biased.

160.52. Impellers under subclass 160.51 in which the impeller pivots on an axis transverse to the blade longitudinal axis.

Search this class, subclass—
160.56 and **160.57**—and indented subclass, for articulated blades which are not spring biased.

160.53. Impellers under subclass 160.51 in which the resilient biasing means is interposed between the blade and the blade mounting means, e. g., the hub.

160.54. Impellers under subclass 160.51 in which the resilient biasing means is interposed between the impeller hub and its drive shaft.

Search Class—
64—MACHINE ELEMENTS, SHAFTING AND FLEXIBLE SHAFT COUPLINGS, subclass 6 and indented subclasses, for resilient shaft couplings in which the impeller is recited by name only.

160.55. Impellers under subclass 160.1 in which (1) the impeller adjustment is influenced by a damping device, or (2) in which limit means is provided for the impeller flapping pivot to limit impeller movement.

(1) Note.—A damping device is one which merely retards or resists the movement of the impeller. The usual type of damping device found in this subclass is the friction type, such as contacting friction material or a fluid dashpot.

Search this class, subclass—
160.51+—for any device which, in addition to retarding or resisting the impeller movement, tends to restore the impeller to its original or to a predetermined position.

160.56. Impellers under subclass 160.1 in which the impeller is pivotally supported by plural pivots or articulations.

(1) Note.—These pivots or articulations remain free during operation of the impeller. Provision for motion about the axis of the blade in a free blade mounting is not considered a pivot within the meaning of this subclass.

(2) Note.—Impellers having a ball and socket mounting enabling the impeller to pivot about any axis of the mounting are included in this subclass.

Search this class, subclass—
160.1—for free blade mountings which provide motion around the blade axis. See (1) Note.
160.51—and indented subclasses, for impellers having plural articulations and biased by a resilient means.

160.57. Impellers under subclass 160.1 in which the impeller is supported by a single articulation or pivot which is inclined or at an angle to the longitudinal axis of the impeller blade.

(1) Note.—The pivot or articulation remains free during operation of the impeller.

Search this class, subclass—
160.52—for impellers articulated about an axis transverse to the impeller longitudinal axis and biased by a resilient means.
160.56+—for impeller connections which must be loosened to permit adjustment.

160.58. Impellers under subclass 160.1 in which the impeller blade connection to its mounting means is such as to enable the impeller blade to be adjusted.

(1) Note.—This subclass and indented subclasses do not include any structure for adjusting the blade other than the mere blade mounting. For such structure, see subclass 160.24+ above.

Search this class, subclass—
160.51+—for resiliently mounted impellers.
173—for means for mounting an impeller to a hub or shaft in a permanently fixed manner.

160.59. Impellers under subclass 160.58 which consist of a spring biased detent between the impeller blade and its hub.

Search this class, subclass—
160.51+—for spring biased impellers.

160.6 Impellers under subclass 160.58 in which the impeller or impeller blade is releasably clamped on its support means.

(1) Note.—The patents in this subclass are characterized by an impeller supporting means in which the impeller blade is clamped but which may be manually loosened, enabling the impeller blade to be adjusted and then clamped in its adjusted position.

(2) Note.—Some of the patents of this and indented subclass provide for some part of the impeller clamping means, such as washers or bolts, to aid in the dynamic and static balance of the impeller.

Search this class, subclass—
159—for balancing of impellers.
160.5—for flexible blades having an adjustment consisting in manually loosening the blade support means, adjusting the flexible blade and clamping the flexible blade in its adjusted position.

160.61. Impellers under subclass 160.6 in which the support means comprises a two part hub within which the impeller is releasably clamped.

160.62. Impellers under subclass 160.58 in which a sleeve or thimble is connected or fixed to the impeller blade.

(1) Note.—The sleeve fixed to the impeller blade is frequently a part of the larger combination found in subclass 160.58+, particularly in those cases where the impeller blade is non-metallic.

in subclass 165, add:

Search this class, subclass—
135.2—for plural impellers having relative movement and/or different axes of rotation.

in subclass 166, add:

Search this class, subclass—
135.2—for plural impellers having relative movement and/or different axes of rotation.

179, Telephony

abolish the definition and notes of subclass 171.5.

192, Clutches and Power-Stop Control

abolish the definitions of subclasses .01 and .02,

establish the following subclass definitions:

Interrelated Power Delivery Controls (having motor and clutch controls).

It has been determined that it is desirable to collect the patents directed to Interrelated Power Delivery Controls as defined in the next paragraph. These patents are now widely scattered, and the following subclasses include only a small portion of those thus defined. The scope of the present subclasses is detailed in (1) Note, below; and the search notes appended hereto, and to the indented subclasses, indicate the known related art, much of which will eventually be here included.

These subclasses are the broad generic locus for the output control of power delivery through a transmitting line comprising one or more clutches and/or gearing and/or brakes, with a prime mover at one end and a load at the other. At least two or more of the elements of the transmission line, or at least one element and the prime mover must each have controls which are interrelated in some manner, e. g., one control having a lost motion connection with the other control which, when taken up, operates the second control.

(1) Note.—At the present time, the art now classified in these subclasses is limited to transmitting lines delivering rotary power having both a prime mover driving the line and a clutch in the line, and the controllers of both must be involved. Where prime movers of the electric type are involved, the art is found in subclass .02. The related art not including both motor and clutch control is referred to in the search notes appended hereto, and to the subclasses indented hereunder.

(2) Note.—For combined brake and gearing control of motors, see this class, subclasses 1+ and 4; class 74, MACHINE ELEMENTS AND MECHANISMS, subclass 472; and class 318, ELECTRICITY, MOTIVE POWER SYSTEMS, subclasses 8, 9+ and 362+.

(3) Note.—For combined motor and gearing control, see class 74, MACHINE ELEMENTS AND MECHANISMS, subclass 472, and class 318, ELECTRICITY, MOTIVE POWER SYSTEMS, subclasses 8, 9+ and 362+.

(4) Note.—For combined clutch and gearing control, see this class, subclass 3.5, 4+ and 51, and class 74, MACHINE ELEMENTS AND MECHANISMS, subclass 333.

(5) Note.—For combined motor and brake control, see this class, subclass 1+, and class 318, ELECTRICITY, MOTIVE POWER SYSTEMS, subclasses 8, 9+ and 362+.

Search this class, subclass—
.02—for similar devices where the motor is electric (see (1) Note, supra).
1+—for combined control of motor and brake or of motor, brake and gearing (see (2) Note, supra).
3.2—for combined fluid impact couplings and clutches.
3.5—for combined control of clutch and gearing (see (4) Note, supra).
4—for combined control of clutch, brake and gearing or brake and gearing (see (2) Note and (4) Note, supra).
12+—for combined control of clutch and brake.
30+—for combined clutches and gears.
51—for multiple reversing clutches often involving gearing (see (4) Note, supra).

Search Class—
60—POWER PLANTS, subclass 97, for multiple motor power plants and controls therefor.
74—MACHINE ELEMENTS AND MECHANISMS, subclass 189.5 for combinations of gearing with either fluid couplings or torque converters, subclass 333 for combined clutches and gearing, and subclass 472 for combined control of motor and gearing or of brake and gearing (see (2) Note, (3) Note, and (4) Note, supra).
172—ELECTRICITY, MOTIVE POWER, subclass 284 for combined electromagnetic clutch devices (with or without their controls) combined with electric motors (with or without their controls) and with or without brake means.
180—MOTOR VEHICLES, subclass 82 for devices for preventing accidents and injuries in the use of motor vehicles which may include interrelated power delivery controls.
318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclasses 8 and 9+, for combinations of electric motors and gearing, and subclasses 8, 9+ and 362+ for combination of electric motors and brakes with or without electromagnetic clutches (see (3) Note and (5) Note, supra).

.02. Interrelated power delivery controls for the joint control of an electric motor and clutch.

(1) Note.—This subclass includes the motor where it is conventional or is broadly claimed.

(2) Note.—Patents showing this combination even though including other controlled devices are placed in this subclass and cross-referenced into other subclasses found below in this class.

Search this class, subclass—
.03–.098—for similar devices having non-electric motors.

Search Class—
318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclass 9+, for the combination of electric motor and power or motion transmitting mechanism driven thereby.

.03. Interrelated power delivery controls which operate by entirely automatic means, that is, by means responsive to change in some condition other than by manual operation of a control by an operator.

(1) Note.—Class 192, subclass 91, contains patents disclosing a fluid pressure actuator (usually a vacuum operator) for a clutch, controlled by a valve which is automatically controlled, the control of said valve being dependent upon the degree of vacuum in the intake manifold. Such patents are therein classified even if they claim an accelerator and throttle valve, or if the degree of vacuum in the intake manifold is responsive to opening or closing of the throttle valve.

Search this class, subclass—
31+ and **103+**—for automatic clutches.
91—and see (1) Note, supra.

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, subclasses 190.5, 336+ and 337 for automatic gearing.
188—BRAKES, subclass 110+, for automatic brakes.

.032. Devices under subclass .03 wherein the automatic means is responsive to speed and/or torque conditions.

Search this class, subclass—
.076 and **.077**—for interrelated power delivery controls having speed and torque regulation of clutch engagement when such engagement is manually initiated by the motor control.

.033. Devices under subclass .032 wherein the automatic means is responsive only to speed conditions.

Search this class, subclass—
.076—for interrelated power delivery controls having speed regulation of clutch engagement when such engagement is manually initiated by the motor control.
103+—for speed responsive clutches.

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, subclass 336+, for speed responsive gearing.
188—BRAKES, subclasses 126, 150 and 180+, for speed responsive brakes.

.034. Devices under subclass .032 wherein the automatic means is responsive only to torque conditions.

Search this class, subclass—
.077—for interrelated power delivery controls having torque regulation of clutch engagement when such engagement is manually initiated by the motor control.
54+—for torque responsive clutches.

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, subclass 337 for torque responsive gearing.

.04. Interrelated power delivery controls wherein the motor, clutch and gearing controls, either alternately or together operate a control for one or more devices, e. g., a brake.

.042. Interrelated power delivery controls wherein the motor, clutch and brake controls, either alternately or together operate a control for one or more devices, e. g., a gearing.

.044. Interrelated power delivery controls wherein the motor, gearing and brake controls, either alternately or together operate a clutch control alone or with one or more other controls.

.046. Interrelated power delivery controls wherein the clutch, gearing and brake controls, either alternately or together operate a motor control alone or with one or more other controls.

.048. Interrelated power delivery controls wherein the motor and clutch controls, either alternately or together operate one or more other controls.

.049. Devices under subclass .048 wherein one of the operated controls is for a brake.

.052. Interrelated power delivery controls wherein the motor and gearing controls, either alternately or together operate a clutch control alone, or with one or more other controls.

.055. Interrelated power delivery controls wherein the motor and brake controls, either alternately or together operate a clutch control alone, or with one or more other controls.

.058. Interrelated power delivery controls wherein the clutch and brake controls, either alternately or together operate a motor control alone, or with one or more other controls.

.062. Interrelated power delivery controls wherein the clutch and gearing controls, either alternately or together operate a motor control alone, or with one or more other controls.

.07. Interrelated power delivery controls wherein the motor control operates a clutch control alone, or with one or more other controls.

(1) Note.—Class 192, subclass 91 contains patents disclosing a fluid pressure actuator (usually a vacuum operator) for a clutch, controlled by a valve which is automatically controlled, the control of said valve being dependent upon the degree of vacuum in the intake manifold. Such patents are therein classified even if they claim an accelerator and throttle valve, or if the degree of vacuum in the intake manifold is responsive to opening or closing of the throttle valve.

Search this class, subclass—
91—and see (1) Note, supra.

.072. Devices under subclass .07 wherein one of the operated controls is for a brake.

.073. Devices under subclass .07 wherein one of the operated controls is for gearing.

.075. Devices under subclass .07 wherein the clutch control has means for regulating the mode of clutch engagement after manual operation of the motor control has initiated the clutch engaging movement.

Search this class, subclass—
.03+—for similar devices where no manual initiation is involved.

.076. Devices under subclass .075 wherein the clutch engagement control constitutes a speed responsive means.

Search this class, subclass—
.032 and **.033**—for similar devices where no manual initiation is involved.

.077. Devices under subclass .075 wherein the clutch engagement control constitutes an inertia responsive means.

Search this class, subclass—
.03—for similar devices where no manual initiation is involved.

.08. Interrelated power delivery controls wherein the gearing control operates both the clutch and motor controls alone, or with one or more other controls.

.082. Interrelated power delivery controls wherein the brake control operates both the clutch and motor controls alone, or with one or more other controls.

.084. Interrelated power delivery controls wherein the clutch control operates the motor control alone, or with one or more other controls.

.09. Interrelated power delivery controls for the combined control of motor, clutch, brake and gearing by themselves, or with one or more additional controls.

(1) Note.—Such combinations may include a single controller for all the controls, or the control may be serially, that is, the first controlling the second, the second controlling the third, the third controlling the fourth, etc.

.092. Interrelated power delivery controls for the combined control of motor, clutch and gearing by themselves, or with one or more additional controls.

(1) Note.—Such combinations may include a single controller for all the controls, or the control may be serially, that is, the first controlling the second, the second controlling the third, etc.

.094. Interrelated power delivery controls for the combined control of motor, clutch and brake by themselves, or with one or more additional controls.

(1) Note.—Such combinations may include a single controller for all the controls, or the control may be serially, that is, the first controlling the second, the second controlling the third, etc.

.096. Interrelated power delivery controls for the combined control of motor and clutch by themselves, or with one or more additional controls.

(1) Note.—Such combinations may include a single controller for the remaining controls, or the control may be serially, that is, the first controlling the second, etc.

.098. Devices under subclass .096 wherein there are two or more controlled motors and/or two or more controlled clutches.

Search this class, subclass—
48—for multiple clutches and controls therefor.

Search Class—
60—POWER PLANTS, subclass 97 for multiple motor power plants and controls therefor.

200, Electricity, Circuit Makers and Breakers

in subclass 56, under "Search Class" cancel the reference to class 73, and substitute:

73—MEASURING AND TESTING, for most measuring instruments (see the notes to that class for other measuring instrument classes) and for the combination of a class 73 measuring instrument and a circuit controller wherein the circuit controller is claimed broadly (class 200, subclass 56 provides for the combination when specific structure of the circuit controller is claimed).

214, Material or Article Handling

in subclass 65, under "Search Class" in the reference to class 280, before "subclass 49+" insert:

subclass 33.02, for articulated vehicles so constructed that one section thereof is movable to a position upon another section for transportation thereby, and

222, Dispensing

in the class definition, under (19), under "Search Class" in the reference to class 47, cancel "subclasses 48+, for subsoil irrigators and weed killers," and substitute:

subclass 48.5, for irrigators or fertilizers of container or cartridge form which are buried in the earth, usually discharging their contents over a period of time,

244, Aeronautics

in the class definition, cancel (8) Note and substitute:

(8) Note.—For impellers such as traction propellers, pusher propellers, helicopter and "Autogiro" rotors as well as these impellers combined with their driving means, whether recited per se or in combination with such aircraft structure as is necessary to mount the impellers, see class 170, MOTORS, FLUID CURRENT, subclass 135+.

in subclass 2, cancel the final period and insert: *during its use as a land or water vehicle.*

abolish the definitions of subclasses 17 and 18,

establish the following subclass definitions:

17.11. Aircraft under subclass 4 which are sustained in the air by a thrust produced by one or more wings or blades rotating about a substantially vertical axis.

(1) Note.—This type of aircraft is technically called a gyroplane and includes (1) helicopters, wherein the wings or blades are normally mechanically driven, and (2) the auto-rotating wing type, e. g., "Autogiro", wherein the wings or blades rotate because of the aerodynamic forces acting on them due to the forward speed of the aircraft, the forward motion being caused by a tractor impeller, jet or other propulsion means.

(2) Note.—The rotary wing may be provided with modifying means whereby the thrust is varied in intensity or direction.

(3) Note.—This subclass and indented subclasses provide for a rotary wing which is significantly combined with the aircraft, i. e., when more structure of the aircraft is recited than is necessary to mount the propulsion or steering means. In the following instances, the aircraft is considered to be significantly recited:

a. Mounting or attachment of a motor or power plant to the frame or body in a particular relation or location with respect to the body.
b. The impeller drive gearing or shaft is located in a specific relation to the aircraft.
c. A recitation locating the impeller with respect to the center of gravity of the aircraft.

Search this class, subclass—
6, 7, and 8—for aircraft having a fixed wing in addition to the rotating wing for sustentation.

Search Class—
46—AMUSEMENT DEVICES, TOYS, subclass 75, for toy "Autogiros" or helicopters.
170—MOTORS, FLUID CURRENT, subclass 135.2+, for plural rotary impellers which are relatively movable and/or have different axes; subclass 135.7, for the rotary impeller with drive means therefor; and subclass 156+ for the rotary impeller per se, especially subclasses 160.1+ for adjustable impellers (see (2) Note above), 165 for axially spaced coaxial impellers having no relative movement and 166 for radially spaced coaxial impellers having no relative movement.

17.13. Gyroplanes under subclass 17.11 in which means responsive to a condition of the aircraft controls the rotary wing system.

(1) Note.—The condition responsive means of this subclass comprises separate and distinct controlling means and does not include those rotary wings which are automatically controlled by a condition of the rotary wing itself, e. g., free blade type.

(2) Note.—The mere forward motion of the aircraft is not significant aircraft structure as set forth in (3) Note, subclass 17.11, this class.

Search this class, subclass—
76+—for automatic control of aircraft.

Search Class—
170—MOTORS, FLUID CURRENT, subclass 160.13+, for automatic controls for impellers where no aircraft combination is claimed, especially subclass 160.15 for rotary impellers which are adjusted as a function of aircraft speed or forward motion, and 160.49–160.54, inclusive, for free blade type impellers. See (2) Note above.

17.15. Gyroplanes under subclass 17.11 having means other than the rotor to allow lowering of the aircraft or in which the rotor is adjustable to allow the aircraft to be safely lowered.

Search this class, subclass—
17.13—for safety lowering devices in which the rotor is automatically adjusted by condition responsive means.
138+—for safety lowering devices for airplanes.

17.17. Gyroplanes under subclass 17.11 combined with (1) landing gear, (2) aircraft mooring devices, (3) non-aerial propelling devices, and (4) non-aerial steering means.

(1) Note.—The non-aerial propelling and/or steering means of this subclass is directed to devices auxiliary to or other than the aircraft rotor to effect propulsion and/or steering while on land or water.

Search this class, subclass—
2—for vehicles convertible from an aircraft to a land or water vehicle in which the flight mechanism is disabled during travel on land or water.
50—for propulsion and steering of aircraft other than gyroplanes on land or water.
100—for aircraft landing gear.

17.19. Gyroplanes under subclass 17.11 combined with means in addition to the rotating wing and operating during flight to (1) propel the craft, (2) counteract the torque of the rotating wing, or (3) steer the aircraft.

(1) Note.—The steering means of this subclass, i. e., so-called aerial steering, is directed to devices auxiliary to the rotating wing of the aircraft to effect steering in flight. Such auxiliary devices may include shiftable weights to change the center of gravity of the craft or a rudder on the craft.

Search this class, subclass—
17.13—for auxiliary propulsion, counter-torque or steering devices combined with a safety lowering device, and 17.17, for similar subject matter combined with a landing, mooring or non-aerial propelling or steering device.
17.21—for devices having a rotary as well as a non-rotary means for auxiliary propulsion counter-torque or steering.
86+—for rudders for aircraft.

Search Class—
170—MOTORS, FLUID CURRENT, subclasses 135.26 and 160.1+, for steering by means of a variation in the thrust forces produced by the rotor itself, i. e., tiltable axis or cyclic pitch changes.

17.21. Gyroplanes under subclass 17.19 in which the additional means is rotatable.

(1) Note.—This subclass includes those devices which include a rotary as well as a non-rotary means for auxiliary propulsion, counter-torque or steering.

Search Class—
170—MOTORS, FLUID CURRENT, subclass 135.2+, for plural impellers which are relatively movable and/or have different axes in which no more aircraft structure is included than is necessary to mount the impellers. See (3) Note, subclass 17.11, this class, for the line.

17.23. Gyroplanes under subclass 17.11 which are provided with a plurality of rotating wings.

Search Class—
170—MOTORS, FLUID CURRENT, subclass 135.2+, for plural impellers which are relatively movable and/or have different axes and in which only as much aircraft structure is claimed as is necessary to mount the impelling and/or steering means.

17.25. Gyroplanes under subclass 17.11 in which the direction of lift of the impeller is variable, either by a cyclic pitch control of the impeller thereby tilting the virtual axis of the impeller or by tilting the real axis of the impeller.

Search Class—
170—MOTORS, FLUID CURRENT, subclasses 160.25 and 160.27, for impellers per se having a tiltable axis or cyclic pitch control, and class 170, subclass 135.26, for coaxial impellers having a tiltable axis and/or cyclic pitch control, and see (3) Note under subclass 17.11 for a statement of the line between classes 170 and 244 as to this subject matter.

17.27. Gyroplanes under subclass 17.11 including means to position or support the rotating wing on the aircraft.

Search Class—
170—MOTORS, FLUID CURRENT, subclasses 160.51+ and 160.58+, for means for adjustably mounting the impeller blade on the hub, and 160.51+, for means for adjustably mounting the hub on a drive shaft.

in subclass 53, add:

(4) Note.—Impellers combined with a motor are found in class 170, MOTORS, FLUID CURRENT, subclass 135.7+.

in subclass 62, under "(3) Note," cancel "subclasses 135.5 and 135.6" and substitute: *subclass 135.7+*
in subclass 65, under "(1) Note," after "Current" insert: *subclass 159+*
under "(2) Note," cancel "subclasses 135.5 and 135.6", and substitute: *subclass 135.7+*
and add:

(3) Note.—Plural impellers having relative movement and/or different axes are found in class 170, MOTORS, FLUID CURRENT, subclass 135.2+, and plural impellers having no relative movement are found in class 170, subclasses 165 and 166.

in subclass 69, cancel "(2) Note" and substitute:

(2) Note.—For plural propellers, see class 170, subclass 135.2+.

280, Land Vehicles

establish the following subclass definition:

33.02. Vehicles under subclass 33 in which the connection between the articulated sections is designed to cause and/or permit one section of the vehicle to be moved from a trailing position to a completely supported position on another section of the vehicle.

(1) Note.—Vehicles classified here may or may not include mechanism for positively moving the sections to collapsed position.

(2) Note.—Articulated vehicles in which the coupling between the sections permits one section to be detached from another so that one section may be superposed upon the other for transportation, are classified in other subclasses of this group.

Search this class, subclass—
34+—for extensible vehicles.
142—for adjustable reaches for varying the wheel base of a vehicle.

Search Class—
214—MATERIAL OR ARTICLE HANDLING, subclass 65+, for various types of self-loading vehicles. Note particularly subclass 85 for vehicles having inclined ways or skids, with or without a hoisting rope, for loading or unloading purposes.

294, Handling, Hand and Hoist-Line Implements

in subclass 50.6, cancel "(3) Note," and substitute:

(3) Note.—For devices for impregnating the earth with liquid or gases and having means to hold material such as water or the like and also provided with an earth working implement, see class 111, subclass 6+. For similar devices for setting plants or seeds, see class 111, subclasses 4+ and 92+.

318, Electricity, Motive Power Systems

in subclass 9, under "Search Class" in the reference to class 192, change ".01" to: *.03 to .098*
and cancel: "Indented",
in subclass 41, under "Search Class" in the reference to class 170, cancel "135.6" and substitute: *135.19*
in subclass 85, under "Search Class" in the reference to class 170, cancel "135.6" and substitute: *135.19*
in subclass 161, under "Search Class" in the reference to class 192, change ".01+" to: *.02 to .098*
in subclass 489, under "Search Class" in the reference to class 74, change "5" to: *5+*.

322, Electricity, Single Generator Systems

in the class definition, under "Search Class" cancel the reference to class 170, and substitute:

170—MOTORS, FLUID CURRENT, subclass 135.2+, for plural impellers having relative movement and/or different axes, and subclass 135.7+, for single impellers which are significantly combined with a motor system supplied by a generator.

in subclass 10, under "Search Class" in the reference to class 192, change .01+" to: *.02 to .098*
in subclass 12, under "Search Class" cancel the reference to class 192, and substitute:

192—CLUTCHES AND POWER-STOP CONTROL, subclasses .03 to .098 for mechanism for joint control of a non-electric motor and clutch, subclass .02 where the motor is electric, and subclass 30+ for mechanical clutches.

in subclass 41, under "Search Class" in the reference to class 192, change ".01+" to: *.02 to .098*.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

Classification Order No. 38

November 22, 1948

The following transfers are hereby ordered to take effect Monday, November 22, 1948:

Class 102, Ammunition and Explosives Devices
Subclasses 1 through 19.2 and 49 through 94 from Division 30 to Division 70.
Subclasses 20 through 48 and 95 through 98 from Division 30 to Division 22.

Class 187, Elevators, from Division 4 to Division 26.
Class 191, Electricity, Transmission to Vehicles, from Division 34 to Division 26.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,446,170. VACUUM TUBE ELECTRONIC SWITCH. Patented Aug. 3, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Electrical switch comprises a sealed evacuated envelope inclosing a central cathode with anodes radially spaced therefrom to receive a flow of electrons from the cathode. A fork-like control electrode extends lengthwise of cathode for rotation relative to the cathode and controls the flow from the cathode to the anodes. Electrical means comprising a permanent magnet and a rotatable armature, both coaxial with the cathode, are provided for rotating the control electrode. (Owner) Burns Conley, Wevaco, W. Va. Group 36—11—19. Reg. No. 15,540.

Pat. 2,442,347. SOUND AND VIBRATION DAMPING STRUCTURE. Patented June 1, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A fabricated sound and vibration damping panel is composed of interwoven strips of metal, plastic, etc. secured between two facing sheets of thin non-perforated flexible sheet material, the inner side impervious to airflow and the outer side thick and porous to absorb sound. Each set of strips are in frictional contact with each other and of such a given coefficient of friction and tightness of weave that they will neither lock together nor move too freely over each other. Sound and vibration will frictionally dissipate in passing from one facing sheet to the other via the interwoven strips. The acoustical device could be built to any desired thickness, thus enabling the material to provide sound absorption and vibration damping to any desired degree. The completed unit is secured to any wall or ceiling. (Owner) H. N. Eklund, 12 East 8th St., New York 3, N. Y. Group 32—73. Reg. No. 15,541.

Pat. 2,446,586. HYDRAULIC CRANE. Patented Aug. 10, 1948. A fluid-operated crane has all of the shifting and lifting operations controlled by two valves, thus eliminating a boom lifting winch. When the power take-off shaft is being driven, a pump connected to the reservoir will operate continuously to withdraw liquid from the reservoir and force it through a conduit connecting the pump with a valve unit to operate the boom. (Owner) Walter L. Harbaugh, 1341 Olney St., Indianapolis, Ind. Group 35—31—61. Reg. No. 15,542.

Pat. 2,442,556. FLANGE FORMING ATTACHMENT FOR RIVET GUNS. Patented June 1, 1948. An elongated head has a flange-bending and -forming wedge at front end. A socket in rear of head receives a conventional die on a rivet gun. A pair of plates project upwardly from opposite sides of the head, and a shrink block is pivoted thereto. A coil spring is attached to the rear end of the block and head. The block projects forwardly of the wedged end and has a vertical slot to receive the upper edge of the sheet metal on which a flange is to be formed. During intermittent reciprocation of the head by the rivet gun the wedge-shaped end of the head strikes the sheet metal and causes a slight bending. (Owner) W. L. V. Bishop, 1721 Beulah Ave., Pueblo, Colo. Group 35—42—69. Reg. No. 15,543.

Pat. 2,433,532. APPARATUS FOR CIRCULATING SOLUTIONS. Patented Dec. 30, 1947. A multi-tray agitator for constantly circulating solutions in the processing of photographic films. A tier of spaced racks for removable trays are pivotally supported in a framework. A manually operated drive shaft is connected to a vertical extension rod loosely attached to the racks. By turning crank, linkage causes racks to rock in one direction and actuates an extension rod to rock racks in another plane. The two rocking movements cause a continuous swirl of the solution over the film. (Owner) Eugene L. Schultz, 53—30 63rd St., Maspeth, Long Island, N. Y. Group 39—12. Reg. No. 15,544.

Pat. 2,439,434. METHOD AND APPARATUS FOR DEWAXING OILS. Patented Apr. 13, 1948. Cold dewaxed oil from the separator of this apparatus is utilized as a medium for chilling the wax-bearing oil prior to its passage into ammonia coolers for final chilling. As the two streams flow in counter-current heat-exchange relation through chillers, the dewaxed oil is chilled by a refrigerant through either part of or its entire course of flow to maintain a substantially constant temperature differential between the streams. The dewaxed oil flows through a duct surrounding the wax-bearing oil duct, and the refrigerant flows through a duct surrounding the dewaxed oil duct. (Owner) Aktiebolaget Separator-Nobel (Sweden). Correspondence to The De Laval Separator Company, 165 Broadway, New York 6, N. Y. Groups 29—11; 35—69. Reg. No. 15,545.

Pat. 2,323,742. INTERNAL-COMBUSTION ENGINE PISTON. Patented July 6, 1943. Reg. No. 15,546.

Pat. 2,376,214. FLEXIBLE PISTON FOR INTERNAL-COMBUSTION ENGINES. Patented May 15, 1945. Reg. No. 15,547.

These two patents relate to a flexible piston adapted to control detonation in an internal-combustion engine. The piston has an auxiliary head which compresses the exhaust gases of the previous cycle into the combustion chamber, causing added turbulence and a more uniform burning of the compressed mixture of fuel and air. A bellows-type expansion spring is provided between the upper and lower portions of piston permitting free absorption of excess combustion pressure during periods of ignition and burning, after which it returns to normal position before the exhaust releases the expanded gas. The auxiliary head retains the exhaust gases during the succeeding intake and compression strokes, thereby acting as a shock absorber and preventing excessive detonation. The auxiliary head is provided with rings and is concentric with the cylinder walls at all times, thereby providing for uniform heat transfer through its rings. (Owner) Philip S. Webster, North Muskegon, Mich. Group 35—19—69.

Pat. 2,446,348. PISTON. Patented Aug. 3, 1948. A liquid-cooled, flexible, dome-type piston for internal-combustion engines is lubricated by the cooling medium. The dome slides over the head of the piston trunk and is constantly urged to extended position by a spring of sufficient force to resist flexing of the dome toward the head except

during the combustion cycle. The space between the dome and the head is supplied with lubricant under pressure which is fed through the inlet lines. During the combustion cycle, the dome is compressed against the head and the lubricant forced through the outlet feed lines. The piston flexes to prevent excessive pressure in the combustion chamber during the combustion cycle and aids in cooling the dome of the piston. A locking-ring fits in groove of dome and extends into recess in trunk of piston and limits the outward flexing of the dome. (Owner) Philip S. Webster, North Muskegon, Mich. Group 35—19—69. Reg. No. 15,548.

Pat. 2,389,619. REFRIGERATED BOTTLE DISPENSING DEVICE. Patented Nov. 27, 1945. A coin-operated refrigerated dispenser for bottled beverages. The cooling chamber has a series of superposed bottle supporting tracks around which cooled air passes. The bottles gravitate toward a delivery cage beneath the lowest track. Additional bottles are pre-cooled on supports at ends of tracks. A fan forces air upwardly into cooling chamber. A shaft attached to the cage extends through a housing for a coin-operated mechanism. The shaft is released when a coin is deposited, and the handle operated, rotating the cage and releasing a bottle. (Owner) Thomas Francis Green, Jr., 2230 Second Ave. South, St. Petersburg 7, Fla. Group 35—51. Reg. No. 15,549.

Pat. 2,448,669. ELECTRIC HEATER FOR TANKS. Patented Sept. 7, 1948. A removable heating unit for boilers or hot-water heaters is so constructed that the core or the coil can readily be replaced without draining the tank. The coils are mounted in a ceramic core in a tubular housing. A mounting plate at outer end of housing is attached to the side wall of a boiler. A pair of terminals carried by the plug at end of housing connect with the coil. Unit can be quickly and cheaply repaired or replaced by withdrawing the locking bolt without removing the housing, which is sealed to the boiler. (Owner) Thomas Francis Green, Jr., 2230 Second Ave. South, St. Petersburg 7, Fla. Groups 33—65; 36—19. Reg. No. 15,550.

Pat. 2,440,131. CONVERTIBLE SPACE SAVING TABLE. Patented Apr. 20, 1948. A compact, convertible, space-saving table may be opened to a number of positions and sizes and may be mounted in any piece of furniture having an open side, such as a chest of drawers or a desk. A U-shaped frame is hinged to the open side of chest and swings inward, forming closure in place of some of the usual chest drawers. A number of table tops having pivotally attached legs are pivotally mounted to fold into nesting position within the frame. May be unfolded part way to provide small-sized table, or all the way to give access to shelves which may occupy space between frame and back wall of chest. Various modifications are shown. (Owner) Anthony Wayne, 241 Lexington Ave., New York 16, N. Y. Group 25—11. Reg. No. 15,551.

Pat. 2,441,461. ELECTRIC UTILITY CONNECTION. Patented May 11, 1948. An electric utility connection consists of an insulated track molding comprised of two sections and formed with slots and recesses which contain a special wire. Provides a continuous electric outlet track so a conventional electric plug can be inserted and held anywhere along the length of the molding. Connecting strips in the form of two- or three-way connections are provided to form a continuous outlet system around a room. May be stored and shipped in rolls. (Owner) Anthony Wayne, 241 Lexington Ave., New York 16, N. Y. Group 36—11. Reg. No. 15,552.

Pat. 2,446,609. RELEASABLE AIRPLANE CABIN. Patented Aug. 10, 1948. A releasable pilot and passenger compartment for an airplane, designed to permit separation of compartment from plane should plane be forcibly stopped by striking ground. Compartment, provided with wheels and supported on tracks at sides and front of fuselage, is held in position normally by an interlocking mechanism. A retractable impact plunger is positioned in the forward end of nose of fuselage, having a compression spring within the plunger extending rearwardly into the nose and abutting a fixed plate. A rod extending through plunger and spring enters the plate and engages a T-shaped head fixed on a cross shaft. Shaft has wheels on either side normally in contact with the forward floor portion of passenger compartment. Plunger is forced inwardly under impact and automatically releases the interlocking mechanism, releasing and elevating forward end of compartment so it will glide over the nose and roll on ground. (Owner) Forrest D. Reed, R. R. 1, St. Paul, Ind. Group 37—22. Reg. No. 15,553.

Pat. 2,325,971. CURRENT COLLECTOR. Patented Aug. 3, 1943. A pair of swiveled magnetic retainers are used in combination with the current collector carried on trolley poles to prevent the collector from jumping the trolley wires when sharp turns are made. The head of a circular collector is channeled to accommodate a ring that carries a tandem arrangement of electromagnetic retainers. The retainers swivel at right angles to the collector head to contact the current conductors of trolley wire and maintain sliding contact as the trolley is turning so that current is uninterrupted. (Owner) Bessie M. Newbrough, 3119 Day St., Seattle 44, Wash. Group 36—11. Reg. No. 15,554.

Pat. 2,402,078. MUFFLER. Patented June 11, 1946. Reg. No. 15,555.

Pat. 2,449,009. MUFFLER. Patented Sept. 7, 1948. Reg. No. 15,556.

These two patents show mufflers wherein gases and sound waves traveling through the mufflers are repeatedly broken up and their direction of travel repeatedly reversed before being exhausted to atmosphere. The muffler of Pat. 2,449,009 has several vertically disposed partitions dividing interior of muffler into a plurality of communicating passageways with apertured walls of partitions, providing communication between them. Flanges on the upper and lower edges of the partitions are welded to top and bottom of muffler housing, which has rows of aligned openings so that portions of flanges are exposed to the atmosphere to cool and weaken gases flowing through muffler. The muffler of Pat. 2,402,078 is divided by transverse partitions into two large and two small chambers with concentric apertured tubes mounted in the large chambers. (Owner) Carl Peters, 1554 Lafayette Ave., St. Louis 4, Mo. Groups 33—73; 38—31.

Pat. 2,449,368. TOOLHOLDER. Patented Sept. 14, 1948. An adjustable tool holder for metal working lathes. The tool rest includes a plate with a convex lower surface fitted in the concaved surface of the base plate, whereby the two plates may be easily adjusted. Upper surface of plate is formed with grooves which cooperate with an upper plate of the tool rest in clamping a parting tool or bit to the tool rest. A securing bolt extends through a central opening in plates whereby the various plates may be bolted together in securing a tool to the tool rest. Plates are held in proper position by guide pins which extend through registering openings in the upper and center plates. (Owner) Louis B. Brown, 118 North Third St., Duquesne, Pa. Group 35—43. Reg. No. 15,557.

Pat. 2,443,399. SANDING BLOCK. Patented June 15, 1948. A sanding block having two sanding surfaces. The two members are pivotally connected at one end, the free ends being attached by screws. The sanding strip is clamped between the free ends of pivoted members. A casing fitting over the major portion of block frictionally secures the members together and forms a hand grip. (Owner) Joseph Paul, 2037 North 33rd St., Milwaukee 8, Wis. Group 33—52. Reg. No. 15,558.

Pat. 2,446,770. CONSTRUCTION TOY. Patented Aug. 10, 1948. A convertible wagon-type construction toy readily assembled or disassembled by a child into a number of different toys such as wagon, pushcart, wheelbarrow, doll carriage, etc. All parts are interchangeable. The basic elements include a flat wagon bed, sides, and front and rear ends, provided with grooves and end pieces for interlocking. Front and rear axles, wheels, a yoke, and a fongue are threaded for wooden bolts and nuts. May be made of wood, metal, or plastic. All parts are of simple, rugged construction and when assembled provide a strong toy, which may be inexpensively manufactured. (Owner) John F. Kershisnik, 248 3rd Ave. North, Twin Falls, Idaho. Group 39—43. Reg. No. 15,559.

Pat. 2,448,938. SANITARY PROTECTIVE APPLIANCE. Patented Sept. 7, 1948. A protective covering which can be sealed to a body appendage. Comprises a round hollow hood-like shield and a finger-like element, folded in accordion fashion, opening from shield. Shield is provided with an adhesive layer (covered with removable gauze) on its inner face adjacent its open end and has an integral gripping lip for removing appliance. Finger-like element (having a small neck) opens out of other end of shield and is expandible. (Owner) Anthony Wayne, 241 Lexington Ave., New York 16, N. Y. Groups 30—51; 39—16. Reg. No. 15,560.

Pat. 2,442,303. INVALID'S CHAIR. Patented May 25, 1948. An automatic lifting and seating chair by the use of which a person afflicted with muscular disorder can be brought to a standing or sitting position unassisted. The seat and back are raised and lowered through a hydraulic lifting jack beneath the chair seat, manually regulated by occupant whether seated or standing. The back has a pivoted linkage with the leg frame and, when the jack is operated to lift the seat, the back is shifted perpendicularly, bringing occupant to a standing position. When the patient desires to be seated, he leans back against the seat and back, which move to a lowered position against the fluid pressure in the cylinder. (Owner) H. D. Mayfield, Box 311, Middlebourne, W. Va. Group 25—32. Reg. No. 15,561.

Pat. 2,428,627. FOCAL FIELD PERIPHERY INDICATING DEVICE IN PHOTOGRAPHIC APPARATUS. Patented Oct. 7, 1947. With this device the focal field for a photographic reproducing machine is indicated by multiple light marks projected onto the original copy table. A reflecting mirror is arranged in front of the camera objective. An incandescent lamp is positioned behind the mirror and masked thereby. Four collimator systems below the lamp have lenses concentrating light rays from the lamp in four narrow ray beams. These beams are reflected by four small mirrors, intercrossing in the principal focus of the objective, and impinge as guiding rays in the four corners of the object on the copy table. (Owners) Alfred Oschwald and Alos A. G. Correspondence to K. A. Mayr, 21 East 40th St., New York 16, N. Y. Group 39—12. Reg. No. 15,562.

Pat. 2,291,690. GEAR SHIFT. Patented Aug. 4, 1942. Reg. No. 15,563.

Pat. 2,302,005. GEAR SHIFT. Patented Nov. 17, 1942. Reg. No. 15,564.

These two patents show automatic electrical gear-shifting mechanism for automobiles. A switch may be manually set in either of two positions to selectively render the mechanism operative to shift the gears into either reverse or forward speeds. In Pat. 2,291,690 a clutch-operating foot switch is substituted for the usual clutch pedal. To start vehicle in either low or reverse, the foot switch is depressed and accelerator slightly opened, followed by release of foot switch. Shifting from low into second and high is accomplished when successive higher speeds are attained by depressing and releasing foot switch without disturbing accelerator. When it is desired to shift from high into either second or low gear without reducing speed of vehicle, a manual switch is thrown, followed by depressing and releasing foot switch to effect such shifting. To prevent drain on battery, all circuits are dead except during shifting operations. (Owner) J. Walter Caves. Correspondence to Francis P. Kelper, 11 Liberty St., Casenovia, N. Y. Groups 36—19—41; 38—31.

Des. Pat. 150,852. COMB HOLDER. Patented Sept. 7, 1948. A peacock-design comb holder. (Owner) Adam J. Gurczak, 411 Smith St., Buffalo 10, N. Y. Group 40. Reg. No. 15,565.

Pat. 2,448,313. AUTOMOBILE TIRE. Patented Aug. 31, 1948. Automobile tire is formed of separable segments, each having an inner U-shaped section to be seated on the wheel rim. Flanges on the segments have side plates bolted to them. The outer segment has a curved tread and a body part with flat sides which fit between the walls of the plates. Side flanges following the curvature of the tread overlap the outer edges of plates. A resilient tread strip is bolted into a groove in the tread of outer section. Outer section is resiliently supported on the inner section by three springs (two S-shaped leaf springs with a coil spring between them) and the sections are held on rim by bolts extending through the springs. (Owner) Curtis Hughes, General Delivery, Forest, Tex. Group 30—11. Reg. No. 15,566.

Pat. 2,424,098. TOOTH BRUSH HOLDER. Patented July 15, 1947. Tooth brush holder encloses bristle portion of brush. Handle protrudes through opening in sliding top of holder when top is in closed position. Ventilation is provided through perforations in lower side walls. (Owner) Thomas Kaskouras, 6966 South Woodlawn Ave., Chicago 37, Ill. Groups 39—81; 40. Reg. No. 15,567.

Pat. 2,449,302. THREAD FEEDING DEVICE. Patented Sept. 14, 1948. Thread-feeding device for sewing machines is designed to eliminate snapping of thread when machine is suddenly started or stopped. The device includes a felt-covered spool platform rotatively mounted on a tilted spindle that is supported in an eccentrically bored collar. A thin rod, fixed by a set screw, passes horizontally through the collar. Both ends of rod are bent upwardly, one end providing an elongated loop or thread guide and the other end fitted with a small leather pad. A spring holds the pad against platform to prevent rotation of platform when the sewing operation is stopped. However, during the sewing operation the pull on the thread counteracts the tension of the spring to hold the pad clear of platform and also permits little slack. (Owner) Stanley J. Ketterer, 4984 Fyler Ave., St. Louis 9, Mo. Group 35—83. Reg. No. 15,568.

Pat. 2,448,232. EXTENSIBLE PIPE UNION. Patented Aug. 31, 1948. Extensible union for oil well pipes consists of a pair of threadedly connected telescopic tubular sections with gland type sealing means carried on the inner section. The inner end of outer section is chamfered to provide a seat for a resilient sealing gasket, and a ball check valve is screwed into an opening in the side of this section. A ferrule-type lock nut is threaded on inner section. After sections of union are properly adjusted in installed position, a sealing compound is forced through check valve in and around the inner-engaging threads of the sections. The lock nut is then tightened to expand the gasket in its seat and lock the sections together. (Owner) William P. Muse, Route 1, Odin, Ill. Group 33—21—22—23—24—61. Reg. No. 15,569.

Pat. 2,446,288. RAIN VISOR. Patented Aug. 3, 1948. A detachable adjustable rain shield for uniform caps. A transparent plastic band encircles the upstanding sides of the cap, being deepest at the back and shallowing gradually to front ends of the band. A small panel with adjustable connecting members encircles remainder of cap. Panel is pivotally secured to one end of the band and detachably fastened to the other end. When not in use, may be rolled and carried in pocket. (Owner) Lester L. Lindley, 2310 Folsom St., San Francisco, Calif. Groups 39—81; 40. Reg. No. 15,570.

Pat. 2,449,850. AUTOMOBILE JACK. Patented Sept. 21, 1948. An automobile jack is carried as a permanent fixture of a car. A beam attached to the car bumper, axle, or the like has two oppositely extending screws rotatably supported for independent rotation. A pair of nuts slidably mounted on the beam have a pair of lever arms connected to them. To elevate a wheel, one screw is rotated advancing a nut and causing the lever arms to move downwardly, the roller contacting the supporting surface. The screw on opposite side of the jack is rotated advancing the other nut toward the center of the beam. This pushes one end of the beam upwardly, raising one wheel. (Owner) Alwin P. Huble, 40 Third St., Elmont, Long Island, N. Y. Groups 33—52; 38—31. Reg. No. 15,571.

Pat. 2,449,813. SAFETY LOWERING DEVICE FOR USE AS A FIRE ESCAPE. Patented Sept. 21, 1948. A safety device for attachment to a person for jumping from a window of a high building in case of fire. Adjustable arm straps attached to a helium tank connect with a safety belt. After proper adjustment, the wearer sits on window ledge and pulls a trip cord to open the valve of the tank, releasing an inflated balloon. As he jumps, his weight causes the valve levers to be drawn upwardly and close the valve at top of tank. (Owner) Anna Lawson, 75 West Palmer, Detroit 2, Mich. Groups 31—99; 37—21. Reg. No. 15,572.

Pat. 2,449,734. MEDICINAL ATOMIZER. Patented Sept. 21, 1948. Medicinal atomizer acts as an inhalator, in the form of a small glass bottle with a screw cap mouth portion at the top and a small screw cap air opening at side near bottom of bottle. Upon inhalation by user, air enters the atomizer and passes over the medicament contained in bottle, carrying a portion of the medicament in vapor form into the mouth. May be economically made in a small pocket size or in large sizes for use with a mechanical device. (Owner) Oscar Otto Wunsch, 60 Chester St., Alexandria, La. Groups 32—21; 39—15; 40. Reg. No. 15,573.

Pat. 2,449,496. ELECTRICAL CONNECTION. Patented Sept. 14, 1948. This electrical connection for cables, resistors, condensers, etc., has a pair of terminals with readily assembled interfitting conductors. Each terminal consists of a thin strip of flat bendable metal with a series of spaced opposed pairs of clamping fingers of uniform thickness, width, and depth. When the terminal straps are connected, the fingers of each terminal interfit and overlap at opposite sides, forming a reputedly foolproof connection. (Owner) Frank J. Matan, 4217 Rhode Island St., Gary, Ind. Group 36—11. Reg. No. 15,574.

Pat. 2,355,474. REPAIR OF VITREOUS ENAMELWARE EQUIPMENT. Patented Aug. 8, 1944. Method of repairing breaks in enamel- or glass-lined equipment produces a chemically resistant patch said to last indefinitely. The broken surface is sand or grit blasted to roughen surface. A metallic coating is then sprayed through a metallizing gun, striking the surface in the form of minute molten or semi-molten droplets. The coating is then smoothed with a wire brush and several coats of an organic resin applied with intermediate buffing to assure good adhesion. Several examples of the procedure are given in the patent. (Owner) American Cyanamid Company, 1937 West Main St., Stamford, Conn. Groups 28—89; 33—74. Reg. No. 15,575.

Pat. 2,060,146. FILING CABINET. Patented Nov. 10, 1936. An adjustable, rearwardly inclined follower plate is mounted inside drawer of this file cabinet in various ways for limited sliding movement in reverse directions during opening and closing of drawer. When drawer (of one embodiment) is closed, the follower slides forwardly and simultaneously rocks from a rearwardly to a forwardly inclined position to compress filed cards, folders, etc., inside drawer. When drawer is opened, follower returns to its normal rearwardly inclined position to permit ready access to contents. In this embodiment, the adjustable follower is pivoted for limited rocking movement on a support releasably secured to a pair of reciprocating rods positioned longitudinally beneath elevated bottom of drawer. The rods are normally spring-urged rearwardly so that when drawer is open, rear ends of rods protrude through back of drawer. As drawer is closed, back of file cabinet will push rods forward. Several modifications are shown. (Owner) Vanderveer Voorhees, Old Orchard Farm, Homewood, Ill. Group 25—22—41. Reg. No. 15,576.

Pat. 2,447,245. MEAT PATTY MOLDING AND CUTTING DEVICE. Patented Aug. 17, 1948. A device for cutting and molding food into patties. An elongated U-shaped wire frame is hingedly connected to an expansible and contractible cutting and molding ring. A centrally arranged sleeve slips on the handle of a conventional implement. Food is scooped up by the blade and the handle of the implement squeezed toward the attachment handle, pushing cutter mold against the blade. May be manufactured as a complete device or as a detachable attachment for a spatula, pancake turner, etc. In a modified form a series of cutter molds are provided. (Owner) Elmer C. Garland, P. O. Box 168, La Conner, Wash. Groups 33—51; 39—81; 40. Reg. No. 15,577.

Pat. 2,109,827. PORTABLE SURFACE GRINDING MACHINE. Patented Mar. 1, 1938. An adjustable, portable grinding tool for refacing any surface of any device (e. g., a slide valve seat of a steam chest) without dismantling the engine or pump. Journals mounted on roller carriages straddle the side members of the frame and travel upon tracks as the operator slides the motor handle longitudinally of the frame over the work or valve seat. Adjustable stops are mounted on the side members for limiting the longitudinal movement of the grinding device to regu-

late the depth of cut. In a modified form the bed of the motor is slidable on a non-rotatable, non-slidable shaft. A sleeve journaled on the shaft is received in the bearings of the motor and forms a support for the grinding tool which is slidable and rotatable on the shaft. (Owner) Edwin G. Moffett, Route 6, Box 64, Mobile, Ala. Group 35—41. Reg. No. 15,578.

Pat. 1,845,660. FLUID-MIXING APPARATUS. Patented Feb. 16, 1932. Reg. No. 15,579.

Pat. 1,845,661. FLUID-MIXING DEVICE. Patented Feb. 16, 1932. Reg. No. 15,580.

Pat. 1,985,570. MIXING APPARATUS AND CONTROL VALVE FOR USE THEREIN. Patented Dec. 25, 1934. Reg. No. 15,581.

These three patents show apparatus for producing and dispensing carbonated water. May be installed at soda fountains and connected to city water line pressure and a source of gas, or embodied in a relatively small self-contained portable unit. Each time faucet of apparatus is opened, a jet of gas and a jet of water are discharged into a mixing chamber against each other from opposite directions to create a swirling action so that the jets are thoroughly mixed immediately prior to discharge from faucet. Pat. 1,845,660 shows differential valve mechanism which is adjustable to compensate for differences in water line pressure to assure discharge of uniform velocity. Pat. 1,985,570 shows a small portable unit for home use consisting of a small water container or jug with a removably attached flask of gas and valve mechanism for automatically causing a thorough mixing operation each time faucet is opened. Two pipes extend down into and terminate near container bottom. The valve controls the admission of gas into mixing chamber on top of container and also into container through one of the pipes. Gas admitted into container bubbles upwardly through liquid and settles on top to create sufficient static pressure to force liquid upwardly through other pipe into mixing chamber each time faucet is opened. (Owner) J. Mills Newton, Box 318, Washington, D. C. Groups 20—81; 39—97.

Pat. 2,450,230. HINGED HEEL SHOE. Patented Sept. 28, 1948. As a simple way of taking shoe off and putting it on, shoe is divided at the vamp and heel portion and hinged together so that entire heel section can be swung into open position. In open position the shoe is easily removed from the foot. An adjustable spring-tensioned catch, engageable and disengageable only through angular movement of the vamp and heel, holds the heel in closed or wearing position. The shoe is of normal appearance in that the catch and leaves of the hinge are all concealed. (Owner) John R. Napton, 869 South Redman St., Marshall, Mo. Group 31—41. Reg. No. 15,582.

Pat. 2,446,188. BRIDGE TYPE MODULATOR CIRCUIT. Patented Aug. 3, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) This bridge circuit is suited for use with or as a direct current amplifier, a square wave generator, a vacuum tube voltmeter, a zero-beat indicator, a modulator, or demodulator. Generally stated, an alternating voltage is impressed upon a pair of joined terminals of a bridge circuit. One of the balancing arms of the circuit includes an asymmetric conductor and a source of direct current. This is used to vary the magnitude of unbalanced alternating current traversing an output impedance in circuit between a second pair of joined terminals of the bridge. Several modifications are shown. (Owner) John M. Miller, Jr., 702 Hatherleigh Road, Baltimore 12, Md. Group 36—13. Reg. No. 15,583.

United States Government Owned Patents

The following seven WRRL patents have been assigned to the United States as represented by the Secretary of Agriculture. Licenses to practice the inventions will be issued on a royalty-free, non-exclusive, non-transferable, revocable basis. Applications for licenses should be addressed to the Bureau of Agricultural and Industrial Chemistry, U. S. Department of Agriculture, Washington 25, D. C.

Pat. 2,442,452. METHOD OF ISOLATING LYSOZYME FROM ITS NATURALLY OCCURRING MIXTURES WITH OTHER BIOLOGIC MATERIALS. Patented June 1, 1948. Patent describes process of isolating lysozyme, a proteinous substance having bacteriolytic properties, from natural sources thereof such as egg white. The process involves treatment of the egg white with an adsorbent material such as bentonite followed by elution of adsorbed lysozyme with an organic base, particularly pyridine. Group 28—31. Reg. No. 15,584.

Pat. 2,444,266. PECTIC MATERIALS AND METHOD OF PREPARING SAME. Patented June 29, 1948. This patent claims method of preparing low-methoxyl pectinic acids by partial de-esterification of pectin in citrus peel. The citrus peel is dispersed in water and subjected to controlled conditions of alkalinity and temperature whereby the enzymes present in the peel cause partial deesterification of the pectin naturally occurring in the peel. Group 20—99. Reg. No. 15,585.

Pat. 2,445,028. METHOD OF DISPERSING KERATIN PROTEINS WITH AMIDES AND THE COMPOSITION RESULTING THEREFROM. Patented July 13, 1948. Relates to solubilization of keratin materials such as feathers, hoof, horn, etc., whereby to produce products which can be used for preparation of artificial films, fibers, plastics, and the like. Process involves essentially heating the keratin in an aqueous solution containing an amide, such as urea, and a reducing agent, such as sodium bisulphite. Group 28—83. Reg. No. 15,586.

Pat. 2,445,029. METHOD OF DISPERSING KERATIN PROTEIN WITH AMMONIUM THIOCYANATE AND THE COMPOSITION RESULTING THEREFROM. Patented July 13, 1948. Relates to solubilization of keratin materials such as feathers, horn, hoof, etc., whereby to obtain products which can be used for preparation of artificial films, fibers, plastics, and the like. Process involves essentially heating the keratin in an aqueous solution containing ammonium thiocyanate and a reducing agent such as sodium bisulphite. Group 28—82. Reg. No. 15,587.

Pat. 2,445,299. DRIED EGG POWDER. Patented July 13, 1948. Patent describes process of preparing dried egg powder of superior shelf-life and aeration properties. Process involves adding an acid to the egg emulsion, drying the acidified emulsion, then adding dry sodium bicarbonate to the dry, acidified egg emulsion. When the resulting powder is mixed with water for reconstitution and ultimate use, the bicarbonate neutralizes the acid added previous to drying. Group 20—99. Reg. No. 15,588.

Pat. 2,445,881. APPARATUS FOR PEELING ONIONS, INCLUDING A CONICAL JET OF GAS. Patented July 27, 1948. Patent describes apparatus for peeling onions which involves subjecting onions to a conical, diverging, hollow jet of gas whereby the gas impinging on the surface of the onion first loosens the skin and then tears it away from the onion. Group 35—51. Reg. No. 15,589.

Pat. 2,447,860. METHOD OF DISPERSING KERATIN PROTEINS AND THE COMPOSITION RESULTING THEREFROM. Patented Aug. 24, 1948. This patent relates to solubilization of keratin materials such as feathers, horn, hoof, etc., whereby to obtain products which can be used for preparation of artificial films, fibers, plastics, and the like. Process involves heating the keratin in an aqueous solution containing guanidine and a reducing agent, such as sodium bisulphite. Group 28—83. Reg. No. 15,590.

The following patent has been assigned by the inventor, Harold Warren Laurance, to the United States of America as represented by the Secretary of the Interior. Licenses to practice the invention will be issued on a non-exclusive and royalty-free basis. Inquiries concerning licenses should be addressed to the Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,448,533. CONSISTENCY METER. Patented Sept. 7, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A device for indicating the consistency of concrete mixture is responsive only to variations in the mix and is adjustable for different mixtures, such as baking batters, etc., in an electric mixer. The power input to the mixer motor is balanced by a differential circuit against the power input to a reference motor which operates similarly to the mixer motor. The difference between the two inputs is fed to an indicator, such as a wattmeter, by a potential transformer bank connected in the power line to the two motors. The reference motor has a controllable load which may be varied, so when the mixer is charged with a mix of proper consistency the indicator gives a predetermined reading and thereafter the indicator will show any variations. Group 36—13. Reg. No. 15,591.

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 15,592 through 15,900) are the balance of Schedule 5 and part of Schedule 6, Groups 22; 23; 28; 35—32.

Inquiries concerning these patents should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 5—Continued

Patents Relating to Sodium and Potassium Silicates

Pat. 1,899,576. Method of Protecting Concrete Surfaces During Curing. Feb. 28, 1933. Method of curing concrete by applying sodium silicate containing a non-precipitating amount of a non-caustic electrolyte, e. g. sodium acetate.

Pat. 1,899,590. Method of Curing Concrete. Feb. 28, 1933. Method of curing concrete by applying sodium silicate containing a non-precipitating amount of an ammonium salt, e. g. ammonium chloride.

Pat. 1,922,832. Process of Purifying Technical Sodium Metasilicate Hydrates. Aug. 15, 1933. Add high $SiO_2 : Na_2O$ silicate to low ore (containing free alkali) to make metasilicate 1 : 1 ratio.

Pat. 1,931,364. Process of Purifying Technical Sodium Pyrosilicate Hydrates. Oct. 17, 1933. Pyrosilicate with free alkali, viz $Na_2O : SiO_2$ more than 3 : 2 adjusted with solution of higher SiO_2 than 3 : 2.

Pat. 1,942,299. Adhesive and Film Forming Composition. Jan. 2, 1934. Silicate adhesive with wetting agent viz naphthalene sulfonic acids, sulfonic acids, etc.

Pat. 1,949,914. Water-Resistant Alkaline Silicate Compositions. Mar. 6, 1934. Silicate adhesive including metal-amino salt specifically Cu, Zn, or Cu metal-amino sulfate or chloride.

Pat. 1,953,839. Crystallization of Sodium Metasilicate Hydrates. Apr. 3, 1934. In a process of preparing a hydrated crystalline sodium metasilicate, the steps which comprise preparing a hot, concentrated solution of sodium metasilicate containing at least 25 grs. NaOH per 100 cc., cooling said solution to a temperature of between +25 to +55° C. and correlating crystallization temperature to free caustic in the solution so that for each 5° C. drop in the crystallization temperature below 55° C. there is an increase of 2 grs. NaOH per 100 cc. of solution above 25 grams.

Pat. 1,953,840. Process of Making Sodium Pyrosilicate Hydrate. Apr. 3, 1934. In a process of making a sodium pyrosilicate hydrate the steps of preparing a concentrated, hot, aqueous solution of sodium hydrosilicate containing an excess of at least about 23 grams of NaOH per 100 cc. and cooling said solution to precipitate a pyrosilicate hydrate.

Pat. 2,018,632. Process of Making an Easily Water-Soluble Alkali Metal Metasilicate. Oct. 22, 1935. To molten sodium metasilicate hydrate add decomposable peroxide specifically H_2O_2.

Pat. 2,045,153. Solutions of Alkali Metal Silicates. June 23, 1936. Adhesive compound silicate plus sulfonated-type wetting agent.

Pat. 2,086,230. Manufacture of Solutions. July 6, 1937. Clear silicate solution by dissolving with no blowing, no boiling, high pressure.

Pat. 2,111,131. Sodium silicate Adhesives. Mar. 15, 1938. Add zinc oxide to sodium silicate by the use of pressure.

Pat. 2,232,162. Process of Producing an Alkali-Metal Silicate-Clay Adhesive. Feb. 18, 1941. Clay is suspended with agitation with or without a deflocculating agent such as a small amount of sodium silicate and the clay is added to a dilute silicate solution.

Pat. 2,287,410. Adhesive. June 23, 1942. Clay slips made with TSP and TSPP is added to sodium silicate adhesive. Extent and character of deflocculation is defined as are the rheological properties, thixotropy, etc. of the adhesive produced.

Pat. 2,287,411. Adhesive. June 23, 1942. Stable silicate-clay adhesives prepared by autoclaving a mixture of sodium silicate, water and clay.

Pat. 2,317,436. Color-Coating Cellulosic Materials. Apr. 27, 1943. A dye dissolved in sodium silicate which is to be used for coating paper.

Pat. 2,344,621. Weld-Rod Coating. Mar. 21, 1944. A welding rod coated with a material comprising potassium silicate having an $SiO_2 : K_2O$ mol ratio of 3.25.

Pat. 2,349,698. Fiberboard. May 23, 1944. A sheet to be corrugated is coated with silicate in such small amounts and in such a way that the ratio between the per cent silicate on the outside is 0.002 in. and the next 0.002 in. is less than 3. A sheet so coated can be corrugated.

Pat. 2,387,367. Silicate Base Adhesive. Oct. 23, 1945. A plasticized hydrocarbon resin and a wetting agent are added to a silicate to produce a resin-silicate adhesive. Dibutyl phthalate may be used to plasticize an indene-coumarone resin or asphalt.

Pat. 2,420,602. Electrolytic Cleaning Process. May 13, 1947. Removing mineral oil from ferrous metals by electrocleaning in a silicate detergent solution containing sodium silicate having an SiO_2/Na_2O ratio of 1.9 to 2.4.

Patents Relating to Sulfamic Acid and Sulfamates

Pat. 2,150,961. Tanning. Mar. 21, 1939. Sulfamic acid or acidic sulfamate used to delime or pickle hides.

Pat. 2,165,870. Production of Leather. July 11, 1939. Sulfamates of Cr, Al, Fe, Ti used for tanning.

Pat. 2,184,538. Composition of Matter and Processes for the Manufacture of the Same. Dec. 26, 1939. Titanyl sulfamate as a new composition of matter.

Pat. 2,188,351. N-Substituted Sulfamate. Jan. 30, 1940. N-substituted alkali metal sulfamate; specifically, sodium sulfamate, and process for preparing in ammonia.

Pat. 2,201,762. Sulphamic Acid Salts of Polymeric Amino Compounds. May 21, 1940. Sulphamates of amino polymers.

Pat. 2,212,152. Flameproof Composition. Aug. 20, 1940. Fire resistant cellulosic material containing as a fire retardant the water soluble fusion product of urea and sulfamic acid.

Pat. 2,212,171. Amine-Sulphamic Acid Addition Product. Aug. 20, 1940. Addition products of sulfamic acid and long-chain primary alkyl monoamines.

Pat. 2,220,451. Composition. Nov. 5, 1940. Sulfamic acid used for cleaning metals.

Pat. 2,225,294. Cleaning Process. Dec. 17, 1940. Sulfamic acid or acidic sulfamate for cleaning calcareous deposits from boiler tubes, dairy equipment wells, or walls.

Pat. 2,236,513. Fire Extinguisher. Apr. 1, 1941. Sulfamic acid is used with a carbonate or a nitrite for fire extinguishers.

Pat. 2,274,252. Compositions. Feb. 24, 1942. Inflating compositions containing sulfamic acid.

Pat. 2,277,744. Pest Control. Mar. 31, 1942. Sulfamic acid and its salts are used as weed killers.

Pat. 2,407,255. Dust Collecting Composition and Method. Sept. 10, 1946. Dust collecting composition comprising glyceryl ammonium sulfate and water.

Patents Relating to Sulfuric Acid

Pat. 1,914,458. Promotion of Catalysts. June 20, 1933. Use of sulfates of barium, thorium, cerium, iron or copper as a promoter for catalyst carriers such as asbestos or magnesium sulfate.

Pat. 1,914,835. Promoted Catalyst and Method of Making the Same. June 20, 1933. Magnesium sulfate catalyst promoted with sulfate of alkaline earth metal, iron, tantalum, or cerium, specifically ferric sulfate.

Pat. 1,949,933. Sulphur Burner. Mar. 6, 1934. Rotary Sulfur Burner with long, inwardly directed spikes.

Pat. 1,980,829. Purification and Regeneration of Platinum Catalysts. Nov. 13, 1934. Treat platinized magnesium sulfate with a volatile reducing agent, specifically formaldehyde, allyl alcohol, etc.

Pat. 2,006,221. Regeneration of Platinum Catalysts. June 25, 1935. Treat spent platinum catalyst with carboxylic acid, specifically acetic or benzoic acid.

Pat. 2,006,222. Treatment of Platinum Contact Masses. June 25, 1935. Regenerate spent platinized magnesium sulfate mass by spraying with formic acid.

Pat. 2,031,787. Sulfuric Acid Contact Process. Feb. 25, 1936. Platinum catalyst carrier containing magnesium sulfate and aluminum and ferric sulfates.

Pat. 2,071,987. Silicic Acid Gels. Feb. 23, 1937. Process of making silica gel catalyst support, carbonate added, later dissolved out.

Pat. 2,086,201. Ore Roasting. July 6, 1937. Roast pyrites with hot air to get molten iron oxides which can be drawn off molten.

Pat. 2,127,561. Heat Exchange Catalytic Converter. Aug. 23, 1938. The catalyst is directly heated rather than by heating the gas.

Pat. 2,173,916. Manufacture of Sulfuric Acid. Sept. 26, 1939. Platinized silica catalyst in first converter, regular platinized magnesium sulfate catalyst in second.

Pat. 2,195,738. Catalytic Converter. Apr. 2, 1940. Isolantite rings substituted for iron screen as support for catalyst in converters.

Pat. 2,207,364. Manufacture of Sulfuric Acid. July 9, 1940. Coal brasses pre-roasted to remove volatile carbon. Any sulfur distilled over is recovered as such or is burned to SO_2.

Pat. 2,240,921. Chemical Apparatus. May 6, 1941. An auxiliary spray is provided to prevent SO_2 escaping from a chamber when the regular spray is removed.

Pat. 2,246,666. Process for Storing Sulfur. June 24, 1941. Sulfur pile covered with molten sulfur to prevent sulfur blowing away.

Pat. 2,246,684. Catalytic Converter. June 24, 1941. Metal plates carry catalyst in heat exchange converter.

Pat. 2,281,762. Process of Producing Sulphur Trioxide and Oxygen. May 5, 1942. SO_2 converted to SO_3 adsorbed in water, expelled from the water, decomposed to $SO_2 + O_2$ and the SO_2 adsorbed in a citrate solution finally to produce pure O_2.

Pat. 2,283,228. Process and Apparatus for Burning Sulfur. May 19, 1942. Sulfur is burned on a sloping shelf.

Pat. 2,285,170. Sulfur Burner. June 2, 1942. Sulfur burner provided with especially designed clean-out box.

Pat. 2,295,605. Sulfuric Acid Manufacture. Sept. 15, 1942. Sulfur purification, burn, convert without intermediate purification.

Pat. 2,300,849. Sulfuric Acid Manufacture and Apparatus Therefor. Nov. 3, 1942. Processes and apparatus involving holding filter cake in place with a gas and then washing back to remove it.

Pat. 2,344,616. Manufacture of Sulfuric Acid. Mar. 21, 1944. Reduce water in gas to cold tower by closer control. The H_2O addition is controlled by reference to the gravity of acid condensed in flue to cold water.

Pat. 2,355,702. Removal of Nitrogen Oxide From Sulphuric Acid. Aug. 15, 1944. Sulfamates are added to 50° and 60° acid to remove nitre. Treatment is effective in the cold for these acids but not for acids of greater strength.

Pat. 2,357,195. Contact Process for Manufacturing Sulphuric Acid. Aug. 29, 1944. Wet purified SO_2 gas is partially dried with acid concentrated in cooling tower.

Pat. 2,364,213. Manufacture of Sulphuric Acid by the Contact Process. Dec. 5, 1944. Chamber acid is added to the drying towers of a contact set where the water removed from the gases dilutes it so that lead sulfate is precipitated. The chamber acid is fortified to make a lead-free concentrated H_2SO_4.

Pat. 2,381,908. Process of Making Sulphur Trioxide and Catalyst Therefor. Aug. 14, 1945. SO_2—Cl_2—O_2 mixture is oxidized by passing thru sodium bisulfate which contains vanadium pentoxide.

Pat. 2,402,553. Sulfuric Acid Manufacture and Apparatus Therefor. June 25, 1946. A shut-off for filtered sulfur is provided so that in the event of filter failure impure sulfur will not go into the system.

Pat. 2,403,459. Chemical Process. July 9, 1946. Stabilizing sulfur trioxide with thionyl chloride.

Pat. 2,415,142. Manufacture of High Strength Sulfuric Acid. Feb. 4, 1947. In contact process manufacture of high strength sulfuric acid, drying the inlet gas with sulfuric acid, then drying the spent sulfuric acid with exit gas and returning the dried sulfuric acid for drying the inlet gas.

Patents Relating to Tanning Agents

Pat. 2,205,901. Tanning. June 25, 1940. Leather tanned with polymers of methacrylic acid subjected to alums; specifically aluminum sulfate.

Patents Relating to Water Repellents

Pat. 2,359,858. Water-Resistant Starch and Paper Containing It. Oct. 10, 1944. Stearate chromic chloride is used to increase the water resistance of various starch compositions such as adhesives and coatings.

Pat. 2,381,752. Process of Insolubilizing Protein and Product. Aug. 7, 1945. A solution of glue to which has been added stearate chromic chloride can be used for coating paper to make it oilproof. Wax-glue-stearate chromic chloride emulsion can also be used.

Pat. 2,401,645. Chemical Processes and Products. June 4, 1946. Chromic chloride-glue reaction product. Glue or another protein is treated with a water-soluble chromic salt such as chromic-chloride while both are in solution.

Patents Relating to Zinc and Zinc Dust

Pat. 2,007,027. Apparatus and Process for the Manufacture of Zinc Dust. July 2, 1935. Zinc dust condensers interconnected to permit equalized pressures.

Pat. 2,131,074. Agglomerating Comminuted Zinciferous Materials. Sept. 27, 1938. Comminuted zinciferous material mixed with wetting agent, kneaded, vacuum extruded to form agglomerates.

Pat. 2,164,950. Process for Forming Agglomerates. July 4, 1939. Vacuum extrudes a plasticized comminuted mineral material.

Pat. 2,420,625. Metal Handling. May 13, 1947. Assembly of interlocking metal slabs for handling and shipping as a unit, e. g. zinc slabs.

Patents Relating to Zinc Salts and Ammonium Chloride

Pat. 1,936,811. Production of Leaded Ammonium Chloride Crystals. Nov. 28, 1933. Crystallize ammonium chloride from alkaline solution containing lead—treat leaded ammonium chloride with acidified ammonium chloride.

Pat. 1,974,436. Flux for Use in Soldering. Sept. 25, 1934. Soldering flux containing zinc chloride and a long chain alcohol sulfate.

Pat. 2,017,930. Purification of Zinc Salt Solutions. Oct. 22, 1935. Add hydrofluosilicic acid then neutral zinc compound or add zinc fluosilicate to zinc salt solution to purify a compound of alkali or alkaline earth metal.

Pat. 2,031,913. Zinc Chloride Base Flux. Feb. 25, 1936. Soldering flux compound $ZnCl_2$ and oxidizing agent, specifically sodium chlorate and sodium nitrate.

Pat. 2,121,399. Process for Production of Zinc Sulfate. June 21, 1938. Keep solution acid when concentrating $ZnSO_4$ solution to get neutral product and dry crystals with adhering mother liquor.

Pat. 2,166,253. Zinc Chloride. July 18, 1939. Citric or tartaric acid added to $ZnCl_2$ to prevent turbidity of solutions.

Pat. 2,369,270. Process for Removing Iron From Zinc Salts. Feb. 13, 1945. The removal of iron from zinc chloride or zinc sulfate solutions is effected by a slow addition of the oxidizer thus producing an insoluble ferric iron precipitate which is readily filterable.

Miscellaneous Patents Not Specifically Classified

Pat. 1,905,833. Nonhygroscopic Composition Comprising Aluminum Sulfate and an Acid Salt. Apr. 25, 1933. Producing nonhygroscopic acid sulfate of aluminum by coating with sodium carbonate and thereafter incorporating with aluminum sulfate.

Pat. 1,916,327. Process for Preparing Organic Fluorine Compounds. July 4, 1933. Making organic fluorine compounds by precipitating an organic diazonium borofluoride from solutions of specified H ion concentration and converting to organic fluoride.

Pat. 1,936,806. Process of Making Strontium Carbonate. Nov. 28, 1933. Ball mill celestite (in Na_2CO_3 separate sodium sulfate solution regrind the solid).

Pat. 1,936,829. Process of Making Nickel Sulfate. Nov. 28, 1933. Producing nickel sulfate by attacking nickel-containing metal with hot sulfuric acid and air under superatmospheric pressure.

Pat. 1,936,830. Process of Making Cadmium Sulfate. Nov. 28, 1933. Producing cadmium sulfate by attacking cadmium metal with hot sulfuric acid and air under superatmospheric pressure.

Pat. 1,944,274. Process of Treating Chemical Compounds. Jan. 23, 1934. Purifying and stabilizing silicon esters with olefine oxides.

Pat. 1,949,916. Soldering Flux. Mar. 6, 1934. Compound hydrochloride of organic (aliphatic) amine specifically aniline or ethanolamine, also $ZnCl_2$ or rosin.

Pat. 1,949,927. Process of Making the Sulfates of Copper and Zinc. Mar. 6, 1934. Producing copper sulfate by attacking brass with sulfuric acid and air under superatmospheric pressure.

Pat. 1,949,928. Process of Making Copper Sulfate From Metallic Copper and Its Alloys. Mar. 6, 1934. Producing copper sulfate by attacking copper-containing metal with sulfur dioxide and air under superatmospheric pressure.

Pat. 1,949,929. Dissolving Cadmium Metal in Sulfuric Acid in the Presence of Metallic Iron. Mar. 6, 1934. Producing cadmium sulfate by attacking cadmium metal with hot sulfuric acid in the presence of metallic iron.

Pat. 1,980,791. Apparatus for Separation of Gases. Nov. 13, 1934. Separation of gases by liquefaction—specific structure permits expansion and contraction.

Pat. 1,986,495. Molecular Addition Compounds of Manganese Nitrate, Urea and Water. Jan. 1, 1935. Crystalline manganese nitrate, water and urea compound having a melting point 40° +, e. g. 1 $Mn(NO_3)_2$, 3 to 6 H_2O and 1 to 3 $CO(NH_2)_2$.

Pat. 1,990,273. Soldering Flux. Feb. 5, 1935. Glucamine soldering flux.

Pat. 1,998,605. Flaked Sodium Bisulphate Composition. Apr. 23, 1935. Flake sodium bisulfate comprising particles embedded in a matrix of solid adhesive and process of making.

Pat. 2,008,003. Lead Phenolate and Method of Making Same. July 16, 1935. Lead phenolates and their preparation from lead hydrocarbons and phenol.

Pat. 2,017,980. Crystallization of Manganese Nitrate Hydrate. Oct. 22, 1935. Add solid CO_2 to manganese nitrate hydrate and stir to form crystalline product "resembling" snow.

Pat. 2,018,633. Flaked Sodium Chloride Composition. Oct. 22, 1935. NaCl flakes include adhesive specifically starch, gums, glues, goulac, etc.

Pat. 2,031,494. Welding Rod Coating. Feb. 18, 1936. Welding compound. $FeO.xMeO.ySiO_2$, Me being Ca or Ba.

Pat. 2,034,070. Cleaning Composition. Mar. 17, 1936. Globular or flake cleaning compound comprising sodium bisulfate and heat treated magnesium chloride having surface film of basic magnesium compound.

Pat. 2,036,249. Preparation of Halogen Alkane-Sulfonic Acids. Apr. 7, 1936. Making haloalkane sulfonic acids from concentrated hydrogen halides and olefine-SO_3 reaction products.

Pat. 2,044,940. Preparation of a Soluble Phosphate. June 23, 1936. Treat H_3PO_4 with BaS and $BaCO_3$, filter, add mother and ammoniate to ⅙ part mono, filter, add $KMnO_4$, filter, concentrate, ammoniate, crystallize and return mother.

Pat. 2,044,946. Leather Tanning. June 23, 1936. Tanning drum with 3 inch pins on heads.

Pat. 2,048,799. Silicone Esters of Modified Polyhydroxy Alcohols. July 28, 1936. Orthósilicates of partially etherified or esterified polyhydric alcohols.

Pat. 2,068,151. Paper Manufacture. Jan. 19, 1937. Add introfier, specifically turpentine, to alkaline straw cooking medium.

Pat. 2,070,634. Xanthic Formates. Feb. 16, 1937. Aliphatic, xanthic and amide esters of xanthic formic acid.

Pat. 2,071,998. Separation of Liquids From Solids. Feb. 23, 1937. Tiltable drain box for obtaining dryer crystals, particularly of Glauber's salt.

Pat. 2,073,010. Halogenated Aralkyl-Aryl Ethers. Mar. 9, 1937. Halogenated benzyl phenyl ethers containing 2 or more halogens in each aromatic ring.

Pat. 2,097,486. Fire Extinguishing Composition. Nov. 2, 1937. Concentrated steep water as foaming agent in fire extinguishing compositions.

Pat. 2,097,509. Fireproofing. Nov. 2, 1937. Urea used to prevent "creeping" of fireproofing solutions.

Pat. 2,111,199. Flash Copper Coating. Mar. 15, 1938. Add inhibitor to H_2SO_4–$CuSO_4$ solution for flash copper coating.

Pat. 2,124,605. Alkyl Chlorides. July 26, 1938. Process for making alkyl chlorides of at least 8 carbon atoms, react the alcohol with dry HCl gas above 100° C.

Pat. 2,135,029. Impregnation of Porous Materials. Nov. 1, 1938. Solvents which boil at less than 5° C. used as menstrum for the impregnation of wood.

Pat. 2,135,030. Treatment of Wood. Nov. 1, 1938. Low boiling solvents as dimethyl ether, propane, etc. for impregnation of porous materials.

Pat. 2,138,997. Submerged Centrifugal Pump. Dec. 6, 1938. Submerged pump with impeller floating so there is no bearing to be attacked by acid.

Pat. 2,143,004. Cast Concrete Article Having a Glossy Surface Resistant to Water Spotting, and Method of Making. Jan. 10, 1939. Glazed concrete—fluosilicates of Mg, Cd, Zn, Na, NH_3, Li, K, Fe, Co, Ni, Cu.

Pat. 2,148,951. Organic Starch Derivatives and Process. Feb. 28, 1939. Soluble cross linked starches.

Pat. 2,151,369. N-Cyclopentylamides of Carboxylic Acids. Mar. 21, 1939. N-cyclopentylamides of aliphatic monocarboxylic acids.

Pat. 2,151,380. Amides of Acids of Phosphorus. Mar. 21, 1939. Phosphonamides and their preparation.

Pat. 2,182,524. Adhesive. Dec. 5, 1939. Ungelatinized starch suspended in deacetylated chitin for boxboard adhesive.

Pat. 2,194,518. Barrel. Mar. 26, 1940. Barrel hoops are treated with phosphoric acid to prevent rusting and to prevent slipping.

Pat. 2,195,715. Composition and Process for Making Leather. Apr. 2, 1940. A soluble titanium compound in form of Werner Complex in acidic solution used to tan leather and fixed in situ by reducing acidity.

Pat. 2,220,153. Ring-Roll Crusher. Nov. 5, 1940. Crusher with bearings of inner roll spring mounted.

Pat. 2,240,934. Manufacture of Beta-Diketones. May 6, 1941. Fatty acid ester (ethyl acetate) and methyl ketone (acetone condensed with metallic sodium under following conditions: Inert liquid (xylol); inert atmosphere (nitrogen); 40–50° C.; reflux reaction mixture. Sodium enolates of beta-diketones (sodium acetylacetonate). The intermediaries in the manufacture of the corresponding chelate cupric enolates are thus formed.

Pat. 2,268,556. Fire Retardant Textile. Jan. 6, 1942. Phytates as fire retardants.

Pat. 2,271,400. Mercaptothiazine Spiro Compounds and Process of Making Same. Jan. 27, 1942. Sulfur-nitrogen compounds from alicyclic ketones, ammonia and carbon bisulfide.

Pat. 2,280,578. Amides of Aliphatic Polycarbothionic Acids. Apr. 21, 1942. Amides of aliphatic polycarbothionic acids.

Pat. 2,286,125. Chemical Process. June 9, 1942. Glyoxal sulfate and a slightly soluble metal carbonate is triturated with cold water. The resulting metallic sulfate is removed by filtration to produce monomeric glyoxal.

Pat. 2,288,976. N-Chloro, N-Hydrocarbon Substituted Sulphamates. July 7, 1942. Nitrogen chlorinated sulphamates

$$R{-}\underset{\displaystyle Cl}{\underset{|}{N}}{-}SO_2{-}X$$

A specific example contains the cyclohexyl nitrogen-chlorinated sodium sulphamate.

Pat. 2,304,624. 5-Substituted Tetrahydrotriazone. Dec. 8, 1942. Tetrahydro-5-(beta-hydroxyethyl)-s-triazone.

Pat. 2,307,045. Process of Producing Water-Repellent Polysaccharides and Product. Jan. 5, 1943. Cellulosic materials waterproofed with tetrachlorides of group IV, sub-group 2, oxychlorides of group VI, sub-group 1, by heating the treated materials to 100–200° C. Typical compounds chromyl-chloride, molybdenum, tungsten, or uranium oxychloride of group VI and silicon germanium, tin or lead tetrachlorides from group IV.

Pat. 2,315,626. Color-Stable Molasses. Apr. 6, 1943. Color of molasses stabilized by adding formic acid, urea, sodium thiosulfate, benzaldehyde, alpha-naphthol, benzene phosphoric acid, or lead acetate.

Pat. 2,321,620. Phenolic Compounds. June 15, 1943. Long chain di(hydroxyaryl) alkanes and their preparation.

Pat. 2,323,111. Process and Product. June 29, 1943. N-(alkylthiomethyl) amides of aliphatic monocarboxylic acids.

Pat. 2,347,031. Air Filter. Apr. 18, 1944. Glyceryl ammonium sulfate (CH_2OH $CHOH$ CH_2OSO_3 NH_4) prepared by reacting glycerine with sulfamic acid used as a dust collecting liquid for air filters.

Pat. 2,357,943. Chemical Apparatus. Sept. 12, 1944. Two filter tubes of half length are used instead of the customary single tube. A rubber gasket is placed between the half length tube. Perforated pipes are installed to permit back-washing immediately above the lower tube.

Pat. 2,365,466. Organic Compounds. Dec. 19, 1944. Alpha-unsaturated alkene phosphonic acid dichlorides.

Pat. 2,383,752. Chemical Process. Aug. 28, 1945. Paraffin hydrocarbon and sulfur trioxide are reacted in the gas phase. SO_2, N_2, or air may be used as diluents.

Pat. 2,391,631. Compositions and Processes. Dec. 25, 1945. Mineral oil containing sulfonated castor oil, tricresyl phosphate, and lorol phosphate can be used as an EP lubricant. The oil can be removed by the use of a silicate detergent.

Pat. 2,402,560. Addition Products of Thiolacetic Acid. June 25, 1946. Addition product of thiolacetic acid and di- or tri-isobutylene.

Pat. 2,402,604. Polymeric Hydroxamic Acids. June 25, 1946. Polymeric hydroxamic acids from hydroxylamine and maleic anhydride interpolymers.

Pat. 2,423,359. Diazonium Fluosilicates. July 1, 1947. Benzene diazonium fluosilicates.

Pat. 2,434,099. Halogenophenylthio-2,3-Epoxypropanes and Halogenophenylthio-2,3-Propanediols. Jan. 6, 1948. 1-halogenophenylthio-2,3-propanediols and the corresponding 2,3-epoxypropanes.

Pat. 2,434,100. 2-Carboxy-Halogeno-1,4-Thiachromanone. Jan. 6, 1948. 2-carboxy-6-halogeno-1,4-thiachromanones.

Pat. 2,436,141. Dialkyl Esters of Long-Chain Alkylphosphonates. Feb. 17, 1948. The chemical compound diethyl dodecylphosphonate useful as insecticide, extreme pressure lubricant and surface active agent.

Pat. 2,438,200. N,N'-Bis(Diethylaminopropylamide) of Dibasic Aliphatic Acids. Mar. 23, 1948. N,N'-bis(3-diethylaminopropylamides) of acids in the adipic-sebacic series.

SCHEDULE 6

Patents Relating to the Preparation of Cellulose Acetate and Intermediates

Pat. 1,986,322. Method of Purifying a Mixture of Acetaldehyde and Acetic Anhydride. Jan. 1, 1935. Acetaldehyde and acetic anhydride vapors, resulting from the splitting of ethylidene diacetate in the presence of a halogen compound, are brought into contact with potassium acetate to prevent subsequent polymerization of the acetaldehyde.

Pat. 2,073,853. Cellulose Esters and Production of Same. Mar. 16, 1937. The production of cellulose acetate capable of yielding solutions and films which are substantially free from haze is accomplished by washing with water, having an A. P. H. A. turbidity below 0.9, which has preferably been treated with an alkaline earth carbonate.

Pat. 2,138,582. Recovery of Lower Aliphatic Acids. Nov. 29, 1938. An improved method for rapidly treating the dilute acetic acid solution, resulting from the partial hydrolysis of cellulose triacetate to produce an acetone soluble material, by employing elevated temperature and super-atmospheric pressure to convert cellulose derivative contaminants into non-interfering water soluble form before recovery of the acetic acid by ether extraction.

Pat. 2,139,445. Method and Apparatus for Drying. Dec. 6, 1938. An improved continuous rotary vacuum drum dryer of the Oliver type characterized by the maintenance of substantially equal air pressure on either side of the doctor knife.

Pat. 2,164,416. Process for the Production of Cellulosic Products. July 4, 1939. Cellulose in the form of dense wood-pulp sheets is rendered readily esterifiable to the usual reagents, by a hot wet disintegration pretreatment with a lower aliphatic acid.

Pat. 2,169,369. Process for Scrubbing Gases Containing Low Boiling Aldehydes. Aug. 15, 1939. In the oxidation of acetaldehyde to acetic acid, the prevention of foam formation during scrubbing of the exit gases from the oxidizer to recover acetaldehyde and acetic acid, by the addition of a small amount of soap to the scrubber liquid.

Pat. 2,172,447. Increasing the Reactivity of Cellulose to Esterification Reagents. Sept. 12, 1939. An aqueous salt solution pretreatment, particularly with triethanolamine perchlorate, of wood pulp or cotton linters to increase the reactivity of the cellulose to subsequent acetylation and to improve the filterability and clarity of resulting cellulose acetate solutions.

Pat. 2,201,502. Fractionating Column. May 21, 1940. A sieve-plate fractionating column of improved efficiency, productive capacity and stability of operation for separating the components of solutions, for example, acetic acid–water.

Pat. 2,244,295. Stabilizing Cellulose Ester. June 3, 1941. Production of cellulose acetate of low sulfate content suitable for use in molding powder by use of a small amount of sulfuric acid as the acetylation catalyst and partially saponifying the resulting triacetate without use of additional catalyst.

Pat. 2,254,212. Catalyst and Process for Producing Vinyl Acetate and Ethylidene Diacetate. Sept. 2, 1941. The use of methane trisulfonic acid as a catalyst for the formation of vinyl acetate and ethylidene diacetate from acetylene and acetic acid at faster rates and in improved yields.

Pat. 2,264,789. Chemical Process for Splitting of Ethylidene Diacetate. Dec. 2, 1941. In the splitting of ethylidene diacetate to produce acetaldehyde and acetic anhydride in the presence of zinc halide as a catalyst, the use of a modifier, comprising zinc derivatives of organic compounds wherein the zinc is directly attached to carbon or nitrogen, for the purpose of reducing the formation of tarry by-products without inhibiting the rate of splitting.

Pat. 2,264,812. Chemical Process for Splitting of Ethylidene Diacetate. Dec. 2, 1941. In the splitting of ethylidene diacetate to produce acetaldehyde and acetic anhydride in the presence of zinc halide as a catalyst, the use of a buffer or modifier, specifically zinc acetamide, to reduce the formation of tarry by-products without inhibiting the rate of splitting.

Pat. 2,278,831. Purification of Aliphatic Acids and Anhydrides. Apr. 7, 1942. Purification of aliphatic acids and anhydrides by treatment with yellow phosphorus to remove impurities which impair color and clarity of cellulose acetate derivatives made therefrom.

Pat. 2,293,160. Portable Container for Calcium Carbide and the Like. Aug. 18, 1942. A portable gas-tight shipping container for calcium carbide which can be used as a bin for feeding an acetylene generator.

Pat. 2,300,180. Stabilizing Cellulose Esters. Oct. 27, 1942. To produce cellulose acetate of improved stability for use in molding powder in compression and injection molding processes, the steps of washing the precipitated cellulose acetate with hard water, preferably containing magnesium carbonate and then for a short time with mineral-free water to remove any free salts remaining from the first wash.

Pat. 2,333,701. Acid. Nov. 9, 1943. An improved method for making methane trisulfonic acid, useful as a catalyst for the production of vinyl and ethylidene esters from acetylene and acetic acid, wherein acetic acid or acetic anhydride is added to oleum.

Pat. 2,343,950. Stabilization of Vinyl Esters. Mar. 14, 1944. Stabilizing vinyl esters against polymerization by treating with an anhydrous ammonium salt such as fused ammonium acetate.

Pat. 2,346,210. Method for Improving Organic Derivatives of Cellulose. Apr. 11, 1944. Dry pressing cellulose acetate to produce material of high density.

Pat. 2,351,658. Stabilization of Vinyl Esters. June 20, 1944. The use of quaternary ammonium compounds in stabilizing vinyl acetate against polymerization.

Pat. 2,351,664. Manufacture of Esters. June 20, 1944. The addition of quaternary onium compounds to the absorber liquor, used in the manufacture of vinyl and ethylidene esters from acetylene and acetic acid, to reduce tar formation.

Pat. 2,352,253. Purification of Aliphatic Acids and Anhydrides. June 27, 1944. Purification of aliphatic acids and anhydrides by treatment with sulfuric acid to remove impurities which color and otherwise deleteriously affect the anhydride and products, particularly cellulose acetate, produced therefrom.

Pat. 2,361,994. Manufacture of Esters. Nov. 7, 1944. Reducing the formation of tars in the manufacture of vinyl and ethylidene esters by the reaction of acetylene on a carboxylic acid, by the addition of cacodyl oxide to the reaction mixture.

Pat. 2,413,038. Stabilized Acetaldehyde and Method. Dec. 24, 1946. A method for inhibiting polymerization of acetaldehyde during storage and distillation which comprises incorporation therein a small amount of metal resinate.

Pat. 2,416,524. Composite Filtering Medium and Method of Filtering. Feb. 25, 1947. An improved filter medium especially adapted for the filtration of cellulosic solutions, comprised of a layer of relatively strong finely woven fabric overlain with a self-sustaining layer of sheeted felted cellulose fibers, then a layer of sheeted cellulose wadding and finally with a facing layer of loosely woven textile material such as gauze.

Patents Relating to Esters, Ethers, Mixed Esters and Other Cellulose Derivatives

Pat. 1,945,310. Esterification of Cellulose and Cellulosic Material. Jan. 30, 1934. Cellulose esters are prepared by reacting cellulose or its partial alkyl ethers or acyl esters with an acetylating agent in the presence of anhydrous hydrogen halides.

Pat. 1,987,672. Preparation of Benzyl Cellulose. Jan. 15, 1935. Preparation and purification of benzyl cellulose by dispersing in benzyl alcohol or other suitable liquid and precipitating the ether.

Pat. 1,990,483. Chemical Compound and Process of Making Same. Feb. 12, 1935. Preparation of mixed esters from polyhydric alcohols, by reacting with ketene, and an organic acid other than acetic, particularly cellulose mixed esters.

Pat. 2,016,299. Carbohydrate Derivative and Process of Making the Same. Oct. 8, 1935. Making sulfuric acid derivatives of carbohydrates from sulfur trioxide and a carbohydrate in the presence of a tertiary amine such as pyridine.

Pat. 2,025,073. Cellulose Derivative and Method of Making the Same. Dec. 24, 1935. Making cellulose sulfuric acid from a mixture of cellulose with pyrosulfuric acid or chlorosulfonic acid and concentrated sulfuric acid in the presence of a tertiary amine.

Pat. 2,033,787. Carbohydrate Derivatives and Process of Making the Same. Mar. 10, 1936. Sulfuric acid derivatives of carbohydrates and their preparation by reacting the carbohydrate with a preformed mixture of a sulfonating material, as chlorosulfonic acid, a tertiary amine, and a diluent inert to the chlorosulfonic acid, tertiary amine mixture and to the cellulosic substance.

Pat. 2,047,952. Cellulose Ether. July 21, 1936. Negative substituted unsaturated cellulose ether whose ether group contains at least three carbons is prepared from the reaction between cellulose, in the presence of an alkali metal hydroxide base at between 70 to 160° C., with a negatively substituted unsaturated olefinic halide.

Pat. 2,053,280. Production of Cellulose Derivatives. Sept. 8, 1936. Acetylating a partially substituted cellulose ester or ether with ketene.

Pat. 2,060,056. New Cellulose Glycolic Acid and Process for Preparing Same. Nov. 10, 1936. The preparation of low substituted cellulose glycolic acids, soluble in dilute alkali below 0° C. by reacting cellulose with an alkali metal salt of a haloacetic acid.

Pat. 2,069,974. Cellulose Esters and Process of Preparing Them. Feb. 9, 1937. Preparation of an alkali soluble cellulose phthalate by esterifying cellulose with phthalic acid anhydride in the presence of a tertiary amine.

Pat. 2,101,262. Cellulose Etherification. Dec. 7, 1937. Low substituted, alkali soluble lower alkyl ethers of cellulose and their preparation by controlled alkylation.

Pat. 2,101,263. Continuous Preparation of Cellulose Derivatives. Dec. 7, 1937. Process for the continuous preparation of low substituted cellulose ethers from alkali cellulose and a liquid etherifying agent.

Pat. 2,104,849. Cellulose Process. Jan. 11, 1938. Partial or complete saponification of cellulose organic acid esters with lower aliphatic alcohols in the presence of a metal alcoholate.

Pat. 2,123,806. Cellulose Esters. July 12, 1938. Acetone soluble cellulose aryl sulfonates and their preparation.

Pat. 2,129,708. Urea Cellulose Solutions. Sept. 13, 1938. Preparation of urea cellulose solutions having commercially desirable stability by dissolving urea cellulose in aqueous caustic alkali in the presence of a zincate.

Pat. 2,131,733. Cellulose Derivatives. Oct. 4, 1938. Preparation of low substituted cellulose ethers by steeping cellulose in an aqueous solution of an etherifying agent.

Pat. 2,134,086. Chemical Process. Oct. 25, 1938. The preparation of organic solvent soluble cellulose alkyl methallyl mixed ethers.

Pat. 2,134,825. Chemical Process. Nov. 1, 1938. Continuous process for preparing urea celluloses soluble in dilute aqueous caustic soda.

Pat. 2,136,296. Nitrogen-Containing Cellulose Derivatives. Nov. 8, 1938. Preparation of dilute acid soluble aminoalkyl celluloses by reacting an aromatic sulfonic ester of a hydroxyalkyl cellulose with a secondary aliphatic amine.

Pat. 2,136,299. Aminocellulose Derivatives. Nov. 8, 1938. Preparation of dilute acid soluble cellulose amines by reacting a pyridine soluble cellulose aryl sulfonate with a monoamine.

Pat. 2,137,343. Chemical Process. Nov. 22, 1938. Low substituted cellulose ethers by reacting a cellulosic material with a solution of an etherifying agent and alkali, in a suitable volatile solvent, and removing the solvent by evaporation.

Pat. 2,138,778. Cellulose Esters of Organic Sulfonic Acids and Preparation Thereof. Nov. 29, 1938. Chloroform soluble cellulose sulfonates by reacting, in the presence of a tertiary base, a substance having a cellulosic nucleus and containing esterifiable hydroxyls with a halide of an organically substituted inorganic acid.

Pat. 2,146,738. Mixed Ether Esters of Cellulose. Feb. 14, 1939. Preparation of cellulose having ether and aromatic ester groups by acting on a solution, in dilute alkali, of an alkali soluble cellulose ether with an esterifying agent which is relatively stable in the presence of dilute alkali.

Pat. 2,148,952. Process for Preparing Cellulose Ethers and Products. Feb. 28, 1939. Preparation of cross-linked cellulose ethers suitable as thickening agents by reacting cellulose with mono- and bi-functional etherifying agents.

Pat. 2,157,530. Process for Producing Low Substituted Alkyl Celluloses. May 9, 1939. Alkali cellulose is reacted with an alkylating agent to produce low substituted alkyl celluloses which are soluble in cold dilute alkali.

Pat. 2,160,106. Process of Dissolving Alkali Soluble Cellulose Derivatives. May 30, 1939. Method of dissolving cellulosic materials in aqueous alkali involving the addition of ice to the dissolving medium.

Pat. 2,160,107. Process for Preparing Cellulose Derivatives. May 30, 1939. Preparation of low substituted cellulose ethers by a process involving limited access to air, thus affording a control of degradation by oxidation.

Pat. 2,175,357. Preparation of Mixed Cellulose Esters. Oct. 10, 1939. Preparation of mixed ester derivatives of cellulose which are soluble in organic solvents using inorganic alkaline catalysts.

Pat. 2,190,445. Regenerated Cellulose Ether Product. Feb. 13, 1940. Regenerated, low substituted cellulose glycolic acid soluble in cold dilute alkali, cellulose glycolic acid and having improved moisture resistance.

Pat. 2,190,451. Cellulose Derivatives. Feb. 13, 1940. Preparation of low substituted cellulose alkoxyalkyl ethers soluble in cold dilute alkali by reacting alkali cellulose with an alkoxyalkyl chloride in dioxane.

Pat. 2,201,663. Xanthate of Cellulose Glycolic Acid. May 21, 1940. Xanthate of low substituted cellulose glycolic acid wherein cellulose partially etherified by means of a hydroxy acid is used.

Pat. 2,236,544. Process of Xanthating Cellulose Ethers. Apr. 1, 1941. Xanthated low substituted cellulose ethers soluble in cold dilute alkali and articles regenerated therefrom which possess remarkably greater affinity for direct dyes.

Pat. 2,236,545. Cellulose Glycolic Acid. Apr. 1, 1941. Low substituted cellulose glycolic acid, giving water soluble alkali metal salts, wherein the cellulose glycolic acid is excellently suited for the preparation of greaseproof paper.

Pat. 2,249,754. Low Substituted Alkyl Cellulose Ether. July 22, 1941. Low substituted alkyl celluloses soluble in cold dilute alkali are prepared by a process of controlled etherification and degradation of cellulose.

Pat. 2,278,389. Cellulose Ether Product. Mar. 31, 1942. Products regenerated from solutions of low substituted alkyl celluloses soluble in cold caustic are prepared by a process consisting of controlled etherification and degradation of cellulose.

Pat. 2,322,575. Preparation of Cellulose Mixed Esters. June 22, 1943. Esterifying cellulose in the presence of an aldehyde with an unsubstituted aliphatic monocarboxylic acid and the anhydride of a different unsubstituted aliphatic monocarboxylic acid to produce a cellulose mixed ester.

Pat. 2,379,917. Esters of Carboxycellulose. July 10, 1945. Esters of carboxycellulose are prepared by treating carboxycellulose with an alcohol in the presence of an acidic esterification catalyst at elevated temperature.

Pat. 2,396,165. Process for Preparing Cellulose Ester in Fiber Form. Mar. 5, 1946. Dry spinning of cellulose acetate crotonate solutions containing sulfur and selected rubber accelerators to provide cellulose esters of improved solvent resistance, resilience, and impact strength.

Pat. 2,406,755. Modified Cellulose Ester Fibers. Sept. 3, 1946. Polysilicic acid ester modified cellulose acetate yarn which is insoluble in tetrachloroethane.

Pat. 2,414,144. Sulfur-Modified Unsaturated Cellulose Ether and Process of Producing the Same. Jan. 14, 1947. Unsaturated cellulose ethers such as crotylcellulose are vulcanized with sulfur, thereby providing increased solvent resistance, resilience, and softening point of cellulose ethers.

Pat. 2,418,498. Organic Solvent Soluble Derivatives of Cellulose and Process for Preparing the Same. Apr. 8, 1947. A method for preparing new organic solvent soluble cellulose derivatives by reacting hydroxyl-containing derivatives with formaldehyde and hydroxy esters.

Pat. 2,420,730. Treatment of Polymers With Acylamides and Aldehydes. May 20, 1947. Polymeric amidomethyl ethers are prepared by reacting hydroxylated polymers, such as cellulose acetate, with an aldehyde and a monoamide.

Patents Relating to the Spinning of Cellulose Acetate Yarn

Pat. 1,901,658. Process of Treating Spinnerets. Mar. 14, 1933. Wiping the face of the spinneret with a nonsolvent for the solute of the spinning solution in order to bring the spinneret into condition for proper and successful spinning for the production of filaments by the dry spinning process.

Pat. 1,918,816. Process for Manufacturing Artificial Threads. July 18, 1933. Producing cellulose acetate threads by the dry spinning process free from scintillating effects, by extruding a preheated spinning solution and introducing cool air in the vicinity of the spinneret.

Pat. 1,975,153. Method of Producing Multicolored Threads. Oct. 2, 1934. A method of producing multicolored threads by mixing two or more different colored spinning solutions just prior to extrusion.

Pat. 2,210,161. Production of Filamentary Structures. Aug. 6, 1940. A relatively inexpensive and simple process for removing residual solvent in threads spun from a volatile solvent-containing solution which consists of withdrawing the thread from the spinning cell, and passing it at a suitable speed through an open-air travel of at least two feet into a substantially enclosed wind-up chamber from which the air is withdrawn and the solvent recovered.

Pat. 2,285,245. Production of Artificial Filaments. June 2, 1942. A radial louvre port in the head of a dry spinning cell as a means for introducing air into the filament bundle close to the face of the spinneret.

Pat. 2,308,141. Spinning of Cellulose Acetate Gum. Jan. 12, 1943. A process for the spinning of an acetic acid solution of cellulose acetate into an aqueous solution of a water soluble amine.

Pat. 2,327,399. Artificial Silk Dry Spinning Apparatus. Aug. 24, 1943. A vane door provided with a window in the head of a dry spinning cell as a means for introducing air into the filament bundle close to the face of the spinneret integrally coupled with a means for visually inspecting the spinneret zone.

Pat. 2,339,316. Wet Spinning of Cellulose Acetate. Jan. 18, 1944. A method for the wet spinning of filaments from an acetic acid solution of cellulose acetate produced in the customary acetylation process, known as acetone soluble cellulose acetate gum, by extruding into a cold acetic acid bath followed by stretching.

Pat. 2,341,586. Wet Spinning of Cellulose Acetate. Feb. 15, 1944. A method for the wet spinning of filaments from an acetic acid solution of cellulose acetate produced in the customary acetylation process, known as acetone soluble cellulose acetate gum, by extruding into an ammonium acetate bath containing acetic acid.

Pat. 2,341,615. Apparatus for Dry Spinning Cellulose Acetate Yarn. Feb. 15, 1944. A closed spinning cell for use in the dry spinning of heavy denier uncrenulated cellulose acetate filaments suitable for use as the pile in carpets.

Pat. 2,366,275. Dry Spinning Apparatus. Jan. 2, 1945. An improved method, particularly useful for the preparation of heavy denier yarns at high speeds by the dry spinning process, for the introduction of air into the head of an evaporative spinning cell through oppositely disposed tubes, one of which is covered with a reticulated structure.

Pat. 2,387,791. Cellulose Acetate Yarn and Process. Oct. 30, 1945. Heavy denier uncrenulated cellulose acetate filaments suitable for use as the pile in carpets are produced by evaporative spinning into a medium highly laden with solvent vapor.

Patents Relating to Processing and Treatment of Cellulose Acetate Yarns

Pat. 1,898,206. Ring Spinning Device for Spinning Continuously-Fed Textile Fibers. Feb. 21, 1933. A ring spinning machine for use with continuously fed textile thread employing a bobbin modified to cause an immediate fastening of the thread thereto when rotation is started.

Pat. 1,898,211. Process of Discharging. Feb. 21, 1933. Discharge printing on cellulose acetate fabrics using charcoal to absorb the dye and a thickening agent to promote the reaction.

Pat. 1,902,833. Method of Treating Textile Threads. Mar. 28, 1933. Simultaneously oiling and tinting a textile thread from a non-aqueous composition.

Pat. 1,909,483. Process of Changing the Solubility of Cellulose Acetate. May 16, 1933. Dissolving cellulose triacetate in phenols and hydrolyzing by means of alkalies in order to produce products soluble in non-solvents for the triacetate, such as acetic acid, acetone and the like.

Pat. 1,923,136. Method of Tinting Thread. Aug. 22, 1933. A process for fugitively tinting cellulose acetate thread.

Pat. 1,927,412. Process of Treating Artificial Thread. Sept. 19, 1933. Delustering of acetate materials by treating with an aqueous solution of a light metal chloride and then with a solution of a salt which yields a solution of acid reaction.

Pat. 1,943,000. Method of Sizing Artificial Fibers. Jan. 9, 1934. Process of sizing by using a swelling agent and a sizing agent.

Pat. 1,961,229. Solutions and Method of Preparing Same. June 5, 1934. Homogenization by forcing a mixture of finely divided pigment and a solvent for the cellulose derivative through small orifices as a means for preparing stable pigmented liquid compositions of said cellulose derivative.

Pat. 1,966,578. Artificial Thread. July 17, 1934. A process for producing a delusterable cellulose acetate yarn, that can subsequently be delustered by treatment with hot aqueous fluids, which comprises spinning a solution containing a plurality of cellulose acetate having different acetyl values or other characteristics.

Pat. 1,966,579. Method of Preparing Cellulose Acetates. July 17, 1934. A process for producing cellulose acetate thread capable of being delustered by treatment with hot aqueous fluids which comprises dry spinning a solution containing a mixture of acetates having the desired average acetyl value, obtained by hydrolyzing a solution containing a plurality of acetates having different acetyl values, until the desired average value is secured.

Pat. 1,986,349. Textile Material. Jan. 1, 1935. A size for cellulose acetate threads comprising a composition of oxidized drying oil and an anti-oxidant.

Pat. 1,986,945. Wool Substitutes and Process of Spinning Short Filaments of Cellulose Derivatives. Jan. 8, 1935. Making crinkled spinnable cellulose derivative fibers by heating in certain moisture-retaining fluids and drying in the air.

Pat. 2,022,838. Artificial Thread and Process of Producing Same. Dec. 3, 1935. Delustering cellulose acetate yarn by forming barium stearate therein.

Pat. 2,035,997. Method of Producing Artificial Silk. Mar. 31, 1936. A process for producing a delustered cellulose acetate thread by incorporating in the cellulose acetate flake a titanium compound and later reacting the titanium compound to form titanium dioxide.

Pat. 2,046,550. Thread Winding Mechanism. July 7, 1936. An anti-bounce spindle for use in winding headless packages at constant thread speed which embodies the use of a compression spring in the end of the spindle to eliminate vibration.

Pat. 2,052,974. Manufacture of Artificial Thread. Sept. 1, 1936. Improving the strength of cellulose acetate threads by stretching in the presence of dichlorethane.

Pat. 2,053,310. Process of Producing Artificial Thread. Sept. 8, 1936. Producing cellulose acetate yarn of low luster by the dry spinning process employing an acetate solution containing a non-volatile substance, and subsequently washing said substance from the thread.

Pat. 2,054,786. Method and Apparatus for Preparing Artificial Materials. Sept. 22, 1936. A method and apparatus for producing artificial horsehair, straw, ribbons, etc., by swelling a bundle of artificial filaments of a cellulose derivative and then conveying them without stretching to a take-up device.

Pat. 2,077,087. Process for Obtaining an Artificial Thread of a Fluffy Character. Apr. 13, 1937. A process for the manufacture of a boucle or shaggy thread characterized by the fact that a plastic filament is attached transversely on the fiber or thread serving as the core thread.

Pat. 2,096,080. Process and Apparatus for the Production of Textile Materials. Oct. 19, 1937. The process and apparatus for continuously forming a cake of artificial thread and continuously and automatically cutting the thread cake into staple lengths.

Pat. 2,096,146. Cellulosic Structures and Method of Preparing Same. Oct. 19, 1937. A process of dyeing cellulose acetate with a water-soluble acid dye consisting of incorporating the acid dye in the spinning or casting solution. The dyed products are substantially fast to aqueous treatments.

Pat. 2,107,657. Process for Obtaining Crepe Effects on Fabrics. Feb. 8, 1938. Producing crepe effects on fabrics, containing highly twisted cellulose acetate yarn in which has been incorporated an extremely water-soluble calcium salt, such as calcium chloride.

Pat. 2,110,926. Process for Making Yarn Packages. Mar. 15, 1938. Preparation of a shipping tube package of cellulose derivative yarn by simultaneously uptwisting and winding from a supply bobbin onto a lightweight cylindrical core, in a single operation employing standard uptwisting equipment.

Pat. 2,112,597. Process of Making Packages of Artificial Yarn. Mar. 29, 1938. A procedure consisting of dry spinning a large yarn package, downtwisting the spun yarn package into at least two pirn packages of twisted yarn, and combining at least two of the pirn packages to form a cone package of twisted yarn in order to produce shipping packages of artificial yarn having a low knot count and a uniform yardage.

Pat. 2,123,502. Textile Fiber. July 12, 1938. Artificial fibers of improved properties comprising filamentous material coated with acetone-insoluble cellulose triacetate.

Pat. 2,147,701. Cellulosic Structures and Method for Preparing Same. Feb. 21, 1939. A cellulose derivative composition containing as a plasticizer therefor a ketonic acid, such as levulinic acid.

Pat. 2,147,702. Composition of Matter and Use of Same in Preparation of Cellulosic Articles. Feb. 21, 1939. The use of ethyl acetonyl carbinol and the like as a plasticizer for cellulose acetate.

Pat. 2,147,703. Cellulose Derivative Composition. Feb. 21, 1939. Plasticizers for cellulose acetate comprising diacetone esters such as diacetone acetate, diacetone levulinate, and the like.

Pat. 2,150,951. Apparatus for the Production of Artificial Thread. Mar. 21, 1939. A thread winding apparatus, suitable for the production of relatively large cakes of cellulose derivative yarn, comprising a removable surface-driven bobbin positioned on a pivoted swinging arm.

Pat. 2,160,458. Artificial Thread Dressing Composition. May 30, 1939. The use of a formamide dressing composition as a modifier for cellulose acetate thread in the production of closely knit fabrics.

Pat. 2,163,099. Process of Preparing N-Methyl Beta Hydroxyethylamines. June 20, 1939. Methylation of ethanolamines by successive or simultaneous reaction with formaldehyde and formic acid. These products are of use in the preparation of dialkylaminoethyl methacrylates which are important agents for modifying the dyeing characteristics of cellulose acetate rayon.

Pat. 2,164,426. Thread Production Apparatus. July 4, 1939. An apparatus for securely positioning tubular cores on a spindle of a winding machine.

Pat. 2,168,335. Cellulosic Material and Method for Preparing Same. Aug. 8, 1939. Improving the affinity of cellulosic materials for acid or direct dyestuffs by incorporating therein a phenol-aldehyde-amine resin.

Pat. 2,168,336. Cellulosic Structure and Method for Producing Same. Aug. 8, 1939. Improving the affinity of cellulose acetate materials for direct dyestuffs by incorporating therein an amino polymer.

Pat. 2,168,337. Cellulosic Structure and Method for Preparing Same. Aug. 8, 1939. Improving the affinity of cellulose acetate materials for acid dyestuffs by the incorporation of an amino polymer therein.

Pat. 2,168,338. Cellulosic Structure and Method of Producing Same. Aug. 8, 1939. Rendering cellulose derivative structures sensitive to all dyes by modifying them with polymeric amino alcohol esters of acrylic acid or an alpha substituted acrylic acid.

Pat. 2,168,348. Cellulosic Composition and Method of Preparing Same. Aug. 8, 1939. The addition of a water soluble organic acid having an ionization constant greater than 1×10^{-5} to reduce turbidity and facilitate spinning of cellulose acetate solutions, modified by the addition of polymeric amino alcohol esters of acrylic acid to obtain enhanced dye sensitivity.

Pat. 2,170,017. Process of Converting Soluble Into Insoluble Cellulose Derivatives. Aug. 22, 1939. Treatment of cellulose ester or ether materials with a dibasic acid halide to insolubilize the same without affecting other properties, such as dyeing.

Pat. 2,170,194. Method and Apparatus for Winding. Aug. 22, 1939. The use of a shield or cone-shaped member in unwinding thread over-end from a yarn package, particularly a pirn package of tapered construction, permits the unwinding at higher speeds without impairing of yarn quality.

Pat. 2,186,452. Artificial Structure and Method of Preparing Same. Jan. 9, 1940. A process for producing a cellulose derivative article metallized with silver or the like, consisting of incorporating silver nitrate into the cellulose derivative solution and reducing the silver nitrate to metallic silver in an aftertreatment of the modified film or thread.

Pat. 2,190,825. Dyeing of Cellulose Derivatives. Feb. 20, 1940. Coupling in cellulose acetate spinning solutions a diazoamino compound with suitable coupling agents, to secure a more uniform and finer distribution of this type of dyestuff in dyed spinning solutions.

Pat. 2,191,887. Cellulosic Structure and Process of Making the Same. Feb. 27, 1940. Rendering cellulose derivative structures sensitive to all dyes by modifying them with a non-cellulosic, non-proteinous polymeric compound containing amino nitrogen.

Pat. 2,194,314. Preparation of N-Substituted Alkylol Amines. Mar. 19, 1940. Process for making N-alkyl alkanol amines such as diethylaminoethanol, by the action of aldehydes on open-chain amino alcohols. Amino alcohols prepared by this method are useful for the preparation of dialkylaminoethyl methacrylates which can be employed to modify the dyeing characteristics of cellulose acetate rayon.

Pat. 2,202,041. Process for Obtaining Crepe Effects on Fabrics. May 28, 1940. The use of sodium lactate as a creping modifier for cellulose acetate yarn.

Pat. 2,211,920. Synthetic Fibers and Method for Producing Same. Aug. 20, 1940. Preparing staple from continuous filaments by intermittently contacting a moving filament bundle with a solvent or softening agent therefor, which in combination with subsequent heating destroys the contacted portion of the filament to form fibers of predetermined length.

Pat. 2,212,149. Process of Preparing Beta-Ethylaminoethanols. Aug. 20, 1940. Process for making diethylaminoethanol by ethylating monoethanolamine with ethyl chloride. The products are useful for preparing diethylaminoethyl methacrylates which can be employed to modify the dyeing characteristics of cellulose acetate.

Pat. 2,223,893. Cellulosic Product and Process for Producing Same. Dec. 3, 1940. Cellulosic textile materials, particularly dyed pigmented ones, are rendered relatively lightproof with manganous lactate.

Pat. 2,232,496. Apparatus for Producing Staple Fibers. Feb. 18, 1941. The use of a card wheel or the like for removing long filament lengths from cut staple during the cutting of continuous filaments in a centrifugal type cutter.

Pat. 2,237,829. Method of Dyeing. Apr. 8, 1941. A process for dyeing, to a solid color, of mixed fabrics composed of cellulose acetate yarn modified with a polymeric compound containing amino nitrogen and wool, silk, cotton, or viscose rayon, with dyestuffs having affinity for the other yarn, but none for unmodified cellulose acetate yarn.

Pat. 2,244,281. Cellulosic Structure, Apparatus and Method for Producing Same. June 3, 1941. A method of producing a preweakened yarn which can be converted readily into a sliver of staple fibers by subsequently imparting a tensile stress of sufficient intensity to part the filaments at the weakened sections.

Pat. 2,264,978. Article of Manufacture. Dec. 2, 1941. A sheer stocking knitted from cellulose acetate monofil.

Pat. 2,272,666. Process of Dry Spinning Artificial Thread. Feb. 10, 1942. A process for forming a cellulose derivative thread, having abrupt variations in denier, by passing into a gaseous evaporative medium traveling countercurrently to the travel of the extruded thread, and by intermittently varying the ratio of the extrusion speed to the speed at which the yarn is drawn from the spinning cell.

Pat. 2,277,486. Method for Producing Cellulosic Structures. Mar. 24, 1942. A process for improving the affinity of cellulose derivative yarn for acid and direct dyestuffs which comprises incorporating therein an aralkylated derivative of a natural nitrogenous material, for instance benzylated casein.

Pat. 2,278,747. Chemical Composition. Apr. 7, 1942. A softening and lubricating composition for cellulose acetate yarn comprising palm kernel oil, an anti-static agent, a corrosion inhibitor and an anti-oxidant.

Pat. 2,282,568. Cellulosic Structure and Method for Preparing Same. May 12, 1942. A process of crinkling artificial filaments and especially cellulose acetate yarn by quickly impregnating the yarn under low tension with a hot liquid such as hot mineral oil.

Pat. 2,296,339. Automatic Doffing Apparatus. Sept. 22, 1942. In continuously winding yarn and especially large filament bundles, the use of two windup spindles in end to end relationship with card clothed members between, to automatically pick up and hold the yarn during the transfer of the winding from one bobbin to the other.

Pat. 2,296,394. Manufacture of Novelty Artificial Y .. Sept. 22, 1942. Producing a novelty yarn having abrupt changes in denier by passing a thermo-plastic yarn around a heated roll, having one or more longitudinally extending channels in the peripheral surface thereof so that only portions of the yarn are softened and subsequently stretched leaving nubs of unstretched yarn portions therebetween.

Pat. 2,303,912. Twister Spindle. Dec. 1, 1942. Reconditioning worn twister spindles of downtwisting machines by grinding out the worn sections and inserting split spring sleeves which preferably are chromium-plated to provide wear resistance.

Pat. 2,303,934. Manufacture of Cellulose Ester Hosiery. Dec. 1, 1942. An improvement in the manufacture of stockings from cellulose acetate yarn which includes the step of preboarding prior to dyeing the knitted stocking.

Pat. 2,311,174. Textile Crinkler. Feb. 16, 1943. An apparatus for imparting crinkle to a bundle of continuous filaments of cellulose acetate which comprises a pair of feed rolls for delivering the thread to the top of a vertically disposed restricting chamber which is fitted at its lower end with a clapper plate for regulating the discharge of said bundle.

Pat. 2,311,175. Bobbin Brake. Feb. 16, 1943. A gravity-actuated brake for stopping the rotation of a yarn package for doffing the package from a winding machine.

Pat. 2,317,131. Film and Filament Formation. Apr. 20, 1943. Treatment of cellulose acetate with ethers of dimethylol-urea for the preparation of derivatives having decreased fusibility and solubility in organic solvents.

Pat. 2,321,989. Triazone Ring Compound. June 15, 1943. Preparation of N,N'-(alkoxymethyl) tetrahydrotriazones, which are useful as modifying agents for cellulosic materials to impart changes in resilience, dye receptivity or solubility.

Pat. 2,327,413. Cellulosic Structure and Method for Producing Same. Aug. 24, 1943. Improving the tenacity of cellulose acetate yarn by swelling in a nitroparaffin, such as nitromethane in toluol and stretching the swollen yarn.

Pat. 2,331,980. Finish Applicator. Oct. 19, 1943. An improved finish applicator particularly suited to the application of non-aqueous finish compositions to artificial filaments consists of two rolls, one of which dips into the finish and the other contacts the film of finish picked up on the first roll and transfers it to the filaments.

Pat. 2,339,340. Fugitive Coloring of Yarns. Jan. 18, 1944. The use of Naphthol Green B for the fugitive tinting of cellulose acetate yarn.

Pat. 2,346,208. Treatment of High Tenacity Yarn of Synthetic Origin. Apr. 11, 1944. Increasing the elongation of stretched cellulose derivative yarn by employing the step of thermal relaxation.

Pat. 2,346,258. Method for Production of Cellulose Acetate Staple. Apr. 11, 1944. An improved process for the manufacture of crinkled cellulose acetate staple comprising mechanically crimping and cutting to staple fiber length while maintaining the solvent plus moisture content of the fibers in a specified range.

Pat. 2,351,090. Process of Preparing Rubber-Coated Artificial Filaments. June 13, 1944. Forming cellulosic filaments having a sheathing of latex rubber by extruding a cellulosic spinning solution into a coagulating bath containing dispersed rubber latex.

Pat. 2,366,278. Spinning Process. Jan. 2, 1945. The production of a yarn comprised of a plurality of filaments having a relatively large number of evenly spaced crimps per unit length by evaporative spinning of a relatively cool solution containing 30–40% of cellulose acetate or the like at a jet velocity of several hundred yards per minute and under such conditions that the filaments issuing from the spinneret fall freely for a distance of at least two feet.

Pat. 2,375,838. Insoluble Cellulose Derivatives and Processes for Their Production. May 15, 1945. Modification of cellulose derivatives with monomeric polyalkoxymethyl melamines to insolubilize and raise the fusion point.

Pat. 2,375,839. Aqueous Tint Finish. May 15, 1945. The stability of aqueous emulsions of tint finishes is improved by the use of an inorganic salt-free dye in the tint finish composition.

Pat. 2,375,864. Treatment of Cellulose Organic Ester Yarns. May 15, 1945. Crinkled fibers or filaments comprised of organic acid esters of cellulose are produced by relaxing or shrinking in an aqueous solution of an alkyl ether alcohol such as the monobutyl ether of ethylene glycol.

Pat. 2,376,890. Cellulose Ester Manufacture. May 29, 1945. Wet-spun cellulose acetate filaments are impregnated while still in the gel stage with glycerin or corn syrup. and the like, to impart affinity thereto for acid, chrome and direct dyestuffs.

Pat. 2,376,891. Cellulose Ester Manufacture. May 29, 1945. Wet-spun cellulose ester structures are impregnated while still in the gel stage with polytriglycol adipamide to impart affinity thereto for acid, chrome and direct dyestuffs.

Pat. 2,376,934. Dry Spun and Dry Cast Structures of Synthetic Materials. May 29, 1945. The affinity for direct, acid and chrome dyestuffs of organic solvent-soluble filament-forming synthetic polymeric substances (e. g., cellulose acetate) is improved, by incorporating into the spinning solution glycol polyformal and a basic nitrogen-containing compound and then spinning by the usual evaporative method.

Pat. 2,378,898. S-Substituted Mercaptomethyl Ethers of Hydroxylated Polymers. June 26, 1945. Acetone soluble cellulose acetate derivatives having appreciable reduced water sensitivity are obtained by reacting cellulose acetate with formaldehyde and monomeric organic thiols.

Pat. 2,385,403. Method for Stretching Cellulose Ester Yarn. Sept. 25, 1945. A hot liquid media, such as a molten solder bath, is used as a heating means for softening of cellulose derivative yarn to enable it to be stretched and thereby to increase the tensile strength thereof.

Pat. 2,391,980. Annular Wick Oiler. Jan. 1, 1946. Relatively uniform application of oil, to yarn being wound up at a varying speed, is obtained by ballooning the yarn up through an annulus in a material capable of wicking up liquid which wicking material dips into a trough of oil or other treating liquid.

Pat. 2,395,421. Treatment of Cellulosic Organic Acid Esters. Feb. 26, 1946. Reducing solution viscosity of cellulose organic acid esters by washing a freshly precipitated ester while it still contains combined mineral acid with hard water containing sufficient mineral acid to lower the pH of the water to a value of not less than 4.5.

Pat. 2,398,831. Spinning Apparatus and Method. Apr. 23, 1946. Dry spun crinkled cellulose acetate filaments are collected in the form of a batt on a belt machine.

Pat. 2,402,532. Method of Making Resilient Batting. June 25, 1946. A resilient batting of free-fall cellulose acetate filaments is produced by impregnating with a toluene solution of polyvinyl butyral and evaporation of the solvent.

Pat 2,416,390. Free Fall Fiber. Feb. 25, 1947. As a new product, highly crinkled filaments, of thermoplastic material and process for making same involving evaporative spinning with extremely high extrusion velocity, upward extrusion and free-fall onto a suitable collecting surface.

Pat. 2,430,911. Alkoxymethyl Derivatives of Cellulose and Process. Nov. 18, 1947. The preparation of alkoxymethyl derivatives of cellulose acetate or similar cellulose ester in which the alkoxy group contains no more than eight carbon atoms.

Patents Relating to the Preparation of Miscellaneous Resins and Polymers

Pat. 2,122,707. Nitrogen-Containing Resins. July 5, 1938. Process for the preparation of ammoniated and aminated vinyl ketone polymers; these materials are valuable for all varieties of coatings.

Pat. 2,207,803. Cyclohexane Sulphonamide-Formaldehyde Resins and Methods of Preparing Same. July 16, 1940. Cyclohexanesulfonamide-formaldehyde resins, which find use as plasticizers for coating compositions used in the moistureproofing of regenerated cellulose film.

Pat. 2,228,271. Polymeric Product of Formaldehyde and an Amino-Hydrogen-Bearing Aminonitrile. Jan. 14, 1941. Aminonitrile-formaldehyde resins, which are useful for imparting water repellency to textiles, for enhancing the dye receptivity of cellulose acetate to acid dyestuffs and for anchoring moistureproofing lacquers to regenerated cellulose film.

Pat. 2,269,997. N-Sulphonylalkylenimine Polymers. Jan. 13, 1942. Polymers of sulfonamides of ethyleneimine which find use as coating and impregnating agents, emulsion stabilizers and can be applied to textiles to impart water repellency or improved dye receptivity.

Pat. 2,436,233. Process for Preparing Monomeric Dithioglycidol. Feb. 17, 1948. Preparation of monomeric dithioglycidol by heating 1,2-dithioglycerol. The monomeric compound is a starting material for the preparation of polymers containing thioether and thiol groups.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING NOVEMBER, 1948

EX PARTE CRUCIBLE STEEL COMPANY OF AMERICA, Serial No. 523,246.

In a decision rendered November 1, 1948 (171 Ms. Dec. 51, 79 USPQ 237), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register to Crucible Steel Company of America, of New York, N. Y., the word "NU-DIE" as a trade-mark for steel rods, bars, plates, billets, slabs, blocks and forgings, under the Trade-Mark Act of 1905, the word "DIE" being disclaimed.

It was held that the Examiner was right in refusing registration based upon a prior registration of the word "UNI-DIE," the word "DIE" being disclaimed, as a trade-mark for tool steel, since, considered as a whole, they appear so similar in appearance as to give rise to the likelihood of confusion when used as here upon the same goods.

In response to applicant's contention that in view of the method of sale and discriminating character of purchasers there is no actual danger of confusion, it was held that where the marks are so similar the fact that they are sold to discriminating purchasers cannot remove likelihood of confusion.

It was held that applicant's arguments advanced for indicating that the differences in meaning would outweigh the similarities in sound or appearance, would ascribe to applicant's mark a meaning which would require a reinstatement of the original refusal to register on the ground of descriptiveness.

CONSOLIDATED COSMETICS (ASSIGNEE OF SAME NAME, SUBSTITUTED) *v.* NEILSON CHEMICAL COMPANY, Opposition No. 25,494.

In a decision rendered November 1, 1948 (171 Ms. Dec. 48, 79 USPQ 238), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences dismissing the notice of opposition of Consolidated Cosmetics (assignee of same name, substituted), of Chicago, Ill., to the application of Neilson Chemical Company, of Detroit, Mich., for registration of the word "RUSTABOO," under the Trade-Mark Act of 1905, as a trade-mark for a chemical and detergent preparation for cleaning and preparing metal surfaces for painting. Opposer alleged priority of use and ownership by opposer of "TABOO" and "TABU" as trade-marks for various toilet articles and proved ownership of three registrations disclosing, respectively, "TABU" for toilet soap, and for lipsticks and rouge, and "TABOO" for anti-perspirant, lipstick, rouge, face powder, eyelash and eyebrow mascara, creams for the hands and face, preparations for skin, hair and finger nails and perfumes.

It was held that the goods are so different in their purpose, use and channels of sales that there is not even a remote likelihood that confusion might result from the concurrent use of the marks of the parties upon these goods.

ROBERT ENGLAND *v.* AMERICAN CHEMICAL PAINT COMPANY, Opposition No. 25,646.

In a decision rendered November 3, 1948 (171 Ms. Dec. 52, 79 USPQ 239), *Assistant Commissioner Daniels* reversed, on the ground of failure of proof by opposer, the action of the Examiner of Trade-Mark Interferences who had sustained the notice of opposition of Robert England, of Philadelphia, Pa., to the application of American Chemical Paint Company, of Ambler, Pa., to register, under the Trade-Mark Act of 1905, the word "WEEDEX" for chemical preparations for exterminating weeds. Opposer relied upon ownership and prior use of this same mark for weed killer.

It was held that applicant has introduced a registration of the word "WEEDEX," registered February 9, 1932, on an application filed September 15, 1931, and has introduced certified copies of assignments of such registration to applicant, so that opposer has the burden of establishing its use of the mark since prior to September 15, 1931.

It was held that opposer having elected to establish its successorship and use by oral testimony, its proof must be clear and definite and any ambiguity or absence of material evidence must be resolved against it, so that, since the only testimony to use prior to 1938 is that of Genther and this testimony, because of its vague and general nature fails to indicate that the mark was continuously used by a predecessor of opposer, it must be found that opposer has failed to sustain the burden of proof of establishing prior use upon which it can rely.

CLUETT, PEABODY & CO., INC., *v.* KAYLON INCORPORATED, Opposition No. 25,930.

In a decision rendered November 3, 1948 (171 Ms. Dec. 56, 79 USPQ 241), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences sustaining the notice of opposition of Cluett, Peabody & Co., of Troy, N. Y., to the application of Kaylon Incorporated, of New York, N. Y., to register the word "HighTide," under the act of 1905 as a trade-mark for pajamas and night robes. Opposer relied upon ownership and prior use, as shown by a registration, registered July 16, 1929, of the word "TIDE" as a trade-mark for collars.

It was held that the goods must be considered to possess the same descriptive properties, and the fact that applicant contends that its pajamas and night robes are actually for women's wear is not sufficient to distinguish between them.

It was held that there is no substantial difference between "TIDE" and "HighTide," as applicant's mark includes opposer's in its entirety, and under well settled authority these marks must be considered so similar that there is likelihood of confusion when used upon goods of the same descriptive properties.

It was held that although there are specific differences between the goods, the marks are so similar that the so-called rule of cumulative differences cannot be considered to change the foregoing conclusion.

EX PARTE KIMBERLY-CLARK CORPORATION, Serial No. 502,219.

In a decision rendered November 12, 1948 (171 Ms. Dec. 57, 79 USPQ 274), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Marks refusing to register under the Trade-Mark Act of 1905 to Kimberly-Clark Corporation, of Neenah, Wis., a mark comprising the words "A Product of Kimberly Clark Research," printed on a background design, applicant having filed a disclaimer, apart from the trade-mark herein shown, of the words "A Product of," or the word "Research," or the separate use of the surname "Kimberly," or the separate use of the surname "Clark."

It was held that the Examiner was right in ruling that "Kimberly" and "Clark" as presented are primarily surnames not distinctively displayed, and that these words dominate the mark, which is accordingly dominated by non-registrable material and unregistrable under the act of 1905.

It was held that to combine the words comprising applicant's mark and then disclaim them adds nothing to the registrability of an individual word, or any grouping of the words set out.

TUNGSTEN REPAIR PARTS, INC., *v.* SURELINE MANUFACTURING CO., Opposition No. 25,888.

In a decision rendered November 12, 1948 (171 Ms. Dec. 61, 79 USPQ 272), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition of Tungsten Repair Parts, Inc., of Long Island City, N. Y., to the application of Sureline Manufacturing Co., of Chicago, Ill., to register, under the Trade-Mark Act of 1905, a mark comprising the word "SURELINE" for certain named automobile repair and replacement parts, particularly for automobile ignitions. Opposer relied upon its ownership and prior use of the trade-mark "SPARKLINE" for ignition repair parts, consisting of coils, caps, condensers, contacts and brushes. Opposer established ownership of a registration, No. 324,758, of the word "SPARKLINE" for the goods listed above, the mark being shown in jagged letters, and the registration including certain pictorial matter in addition to the word.

In response to applicant's contention that there is no likelihood of confusion between these marks as applied to the goods of the parties, it was held that the differences in packaging cannot affect the right to registration.

In response to applicant's contention that the goods to which the trade-marks are applied are not sold to the general public, but to dealers and distributors who in turn sell to service stations and the like, and, because these are trained technical men, there is no likelihood of confusion, it was held that either party may change its marketing methods at any time.

After noting that the marks must be considered in their entirety, and that descriptive or disclaimed material may not be entirely disregarded, it was held that considering these marks as a whole, their similarities are such that their concurrent use upon substantially identical goods as here involved would be likely to cause confusion in trade or deception of purchasers.

It was held that nor would the fact that opposer's mark contains certain pictorial features in addition to the word detract from such likelihood of confusion.

MCKESSON & ROBBINS, INCORPORATED, *v.* ARCHER-TAYLOR DRUG CO., Opposition No. 25,978.

In a decision rendered November 12, 1948 (171 Ms. Dec. 68, 79 USPQ 271), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition of McKesson & Robbins, Incorporated, of New York, N. Y., to the application of Archer-Taylor Drug Co., of Wichita, Kans., for registration under the Trade-Mark Act of 1905 of a mark comprising the word "LAVATUM" as a trade-mark for certain named greaseless base ointments. Opposer relied upon ownership and prior use of several marks and the registrations thereof for goods of the same descriptive properties as those of applicant, the one considered most pertinent being registration No. 245,571 of the trade-mark "ALBATUM" for ointment for inflammation.

It was held that if the marks are found to be confusingly similar when considered in their entireties, the fact that both include a commonly used suffix will not detract from such similarity; nor can descriptive or disclaimed matter be entirely ignored in determining the question of similarity.

As to the similarity of the goods, it was held that both are medicated ointments and must be considered to possess the same descriptive properties.

As to the similarity of the marks, it was held that the Examiner correctly found that "ALBATUM" as well as some of opposer's other marks and applicant's mark "LAVATUM" bear such near resemblance in both sound and appearance as to be like-

ly to cause confusion in trade or deception of purchasers when applied concurrently to the products here involved.

In response to applicant's contention that the marks differ to such an extent that when taken in connection with the specific differences between the goods, there is no likelihood of confusion, it was held that such a contention would require that there be doubt as to the similarity with respect to one or the other of these elements, but in this case the goods appear identical for all questions with relation to registration and the marks so similar that the so-called doctrine of cumulative dissimilarities cannot apply.

AMERICAN-LA FRANCE-FOAMITE CORPORATION *v.* WALTER KIDDE & COMPANY, INC., Opposition No. 26,980.

In a decision rendered November 12, 1948 (171 Ms. Dec. 65, 79 USPQ 269), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences granting the motion of opposer, American-La France-Foamite Corporation, of Elmira, N. Y., for summary judgment in an opposition proceeding against the application of Walter Kidde & Company, Inc., of Belleville, N. J., for registration under the Trade-Mark Act of 1905 of the notation "C-B" as a trade-mark for portable hand fire extinguishers. Opposer alleged that it and others had used the letters "C-B" as a designation for chlorobromomethane, a well known fire extinguishing medium, and that since the term was merely descriptive and open to the public, it would be damaged by the registration sought. The answer admitted the foregoing allegations in substance but denied that any one prior to applicant had used the designation "C-B" on fire extinguishers as distinguished from the fire extinguishing medium. Both parties moved for summary judgment.

It was held that the Examiner was right in finding that as between a container and a product which it is designed to hold, a mark merely descriptive of the one necessarily is also descriptive of the other, and consequently is not subject to exclusive appropriation as a trade-mark for either.

It was held that the fact that a prior registration has been granted, which applicant contends is similar in nature to the mark of applicant here involved is not entitled to any consideration whatever.

It was held that it can hardly be questioned that opposer as manufacturer of the extinguishing medium involved must be considered to be damaged but even were this question to be resolved against the opposer, it would result only in the necessity of substituting ex parte for inter partes action.

C-O-TWO FIRE EQUIPMENT COMPANY *v.* WALTER KIDDE & COMPANY, INC., Opposition No. 26,992.

In a decision rendered November 12, 1948 (171 Ms. Dec. 67, 79 USPQ 270), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences granting the motion of opposer, C-O-Two Fire Equipment Company, of Wilmington, Del., for summary judgment in an opposition proceeding against the application of Walter Kidde & Company, Inc., of Belleville, N. J., for registration under the Trade-Mark Act of 1905 of the notation "C-B" as a trade-mark for portable hand fire extinguishers.

It was held that while the pleadings differ slightly, the issues involved are identical with those in *American-La France-Foamite Corporation* v. *Walter Kidde & Company, Inc.*, Opposition No. 26,980, supra, and the statements contained in that decision will not be repeated.

BROWN SHOE COMPANY, INC., *v.* SONS SHOE COMPANY, Opposition No. 25,831.

In a decision rendered November 16, 1948 (171 Ms. Dec. 70, 79 USPQ 306), *Assistant Commissioner Daniels* reversed the action of the Examiner of Trade-Mark Interferences who had sustained the opposition of Brown Shoe Company, Inc., of St. Louis, Mo., to the application of Sons Shoe Company, of St. Louis, Mo., to register, under the Trade-Mark Act of 1905, the word "Tantalizers" as a trade-mark for ladies' and misses' shoes made of leather, fabric or compositions or combinations thereof. Opposer relied upon its ownership and prior use of the trade-mark "NATURALIZERS" for shoes made of leather, cloth, canvas, or combinations thereof, registered, No. 236,545, and renewed.

It was held that the distinct difference in meaning appears sufficient to outweigh any possible resemblance in sound or appearance when the marks are considered as a whole, so that, taking into account the resemblances and differences, the differences are so marked that there is no likelihood that the ordinary purchaser might be confused or deceived thereby.

EX PARTE KADANE-BROWN, INC., Serial No. 367,244.

In a decision rendered November 17, 1948 (171 Ms. Dec. 75, 79 USPQ 307), *Assistant Commissioner Daniels* denied a petition requesting that supervisory authority be exercised to require the Examiner of Trade-Marks to enter an amendment to registration No. 332,628, under the Trade-Mark Act of 1905, owned by petitioner, Kadane-Brown, Inc., of Dallas, Tex. The mark as shown in the original registration comprises the words "Blue Bonnet," a pictorial representation of a star, the upper point of which crosses the letter "B" in the word "Bonnet," and a profile view of the head and shoulders of a girl wearing a large bonnet. The proposed amendment, presented pursuant to section 7(d) of the Trade-Mark Act of July 5, 1946, and rule 34.3 of the Rules of Practice in Trade-Mark Cases, would eliminate the star and change the profile of the figure of the girl to a full faced view of another girl. While in the new pictorial representation the girl wears a bonnet, it is not as large or prominent as that worn by the girl shown in the original registration.

In response to petitioner's contention that the dominant features of the mark as shown in the original registration are the words "Blue Bonnet," it was held that while words forming part of a mark are more apt to be used in calling for a product and have frequently been held to be the feature most likely to be remembered by the public, nevertheless, the other features form a very conspicuous part of the original registration, so that the proposed change is one which would constitute a very material alteration of the mark.

GILL AND KINCAID (GILL ELECTRIC MFG. CORP.) *v.* CENTRAL STATES MFG. CO., INC., Serial No. 545,234.

In a decision rendered November 23, 1948 (171 Ms. Dec. 85, 79 USPQ 339), *Assistant Commissioner Daniels* denied a request by the party Gill and Kincaid (Gill Electric Mfg. Corp.), of Redlands, Calif., for an extension of time for filing a notice of opposition to the application of Central States Mfg. Co., of Arkansas City, Kans., for registration of a trade-mark under the Trade-Mark Act of 1946.

After noting that a telegraphic request attributed the delay to illness and that the confirmatory request states that the illness was that of Mr. Gill, it was held that by the papers filed it seems probable that the party Gill and Kincaid is a partnership, consisting of two partners, but there is no indication that both of them were ill or that no one was able to act, so that under these circumstances, the party Gill and Kincaid is not entitled to the extension sought, this action being taken because of the lack of good cause shown and not because of any informality in the request.

R. H. MACY & CO., INC., *v.* MURRAY M. ROSENBERG, INC. (NOW BY CHANGE OF NAME MILES SHOES INCORPORATED), Opposition No. 25,543.

In a decision rendered November 23, 1948 (171 Ms. Dec. 87, 79 USPQ 338), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Interferences sustaining the notice of opposition of R. H. Macy & Co., Inc., of New York, N. Y., to the application of Murray M. Rosenberg, Inc. (now by change of name Miles Shoes Incorporated), of New York, N. Y., to register, under the Trade-Mark Act of 1905, a mark comprising the word "GROPALS" as a trade-mark for shoes, slippers, and boots of leather, fabric and combinations thereof. Opposer relied upon ownership and prior use of the trade-mark "Gro-Shoe" for children's and boys' and girls' shoes of leather, rubber, fabric, and combinations, ownership of a registration, No. 192,561, renewed, of that mark for such products having been proven by opposer.

After noting that the goods of the parties are identical and opposer's priority is conceded, it was held that the only question requiring consideration is whether the marks are confusingly similar.

After ruling that "Gro-Shoe" cannot be considered merely descriptive of these products as urged by applicant, that the disclaimed portion of the mark "shoe" cannot be completely ignored, that the marks must be considered in their entirety and that the significance of "Gro" is considered greater than that of the generic portion of the mark, it was held that as such it would appear to be the feature most apt to be noticed and remembered by customers, and that the inclusion of a different suffix in applicant's mark does not appear sufficient to differentiate between these marks, so that agreement was expressed with the ruling of the Examiner of Interferences that there is reasonable likelihood of confusion between these marks as applied to the products of the parties.

J. C. DEAGAN, INC., *v.* SCHULMERICH ELECTRONICS, INC., Opposition No. 27,576.

In a decision rendered November 23, 1948 (171 Ms. Dec. 83, 79 USPQ 337), *Assistant Commissioner Daniels* denied a petition by applicant, Schulmerich Electronics, Inc., of Sellersville, Pa., requesting that supervisory authority be exercised by directing that the notice of opposition of J. C. Deagan, Inc., of Chicago, Ill., be dismissed by the Examiner of Interferences, or in the alternative if the opposition be permitted to continue that the Examiner of Interferences be directed to strike certain paragraphs from the notice of opposition.

It was held that since there is no provision in the statute or rules for appeal in interlocutory matters of this type, applicant is attempting to secure a review of the decision of the Examiner of Interferences by petition, which action is unauthorized in any ordinary case, as it is well settled that the supervisory and summary authority of the Commissioner should not be exercised in a proceeding of this kind except where error is so manifestly apparent that substantial justice cannot be otherwise obtained.

It was held that, with one possible exception, it does not appear that any problem is presented which differs from those which have heretofore ordinarily been considered in opposition matters, and as to that, orderly procedure would appear to require that it be presented in the usual fashion and upon a full record and briefs.

As to the motion to strike, it was held that it is sufficient to state that there is no abuse of discretion in the Examiner's action.

BOTFIELD REFRACTORIES COMPANY *v.* WOOD CONVERSION COMPANY, Opposition No. 27,666.

In a decision rendered November 23, 1948 (171 Ms. Dec. 82, 79 USPQ 341), *Assistant Commissioner Daniels* denied a petition by applicant, Wood Conversion Company, of St. Paul, Minn., requesting exercise of supervisory authority to require dismissal of the notice of opposition of Botfield Refractories Company, of Philadelphia, Pa., without prejudice to applicant's rights under the Trade-Mark Act of 1946. The application was filed under the act of 1905. Fol-

lowing the filing of the notice of opposition applicant filed a "notice of abandonment" of the application, with which was included a request that the opposition be dismissed.

It was held that unless opposer is willing to permit dismissal of the opposition without prejudice, applicant cannot require such action.

ATLAS LEATHER CASE CO. (PLATT LUGGAGE, INC., ASSIGNEE, SUBSTITUTED) *v.* GLADSTONE CASE MFG. CO., INC., Interference No. 3669.

In a decision rendered November 23, 1948 (171 Ms. Dec. 80, 79 USPQ 337), *Assistant Commissioner Daniels* granted, to the extent indicated, a petition filed by Atlas for reconsideration of his decision of October 19, 1948 (616 O. G. 1139, 79 USPQ 184), but upon such reconsideration adhered to the original decision.

On the question of whether the mark had become known to the public to such an extent as to bar the use and registration of the mark by others, it was held that Atlas had the burden of proving such use in other than intracompany matters, cannot rely upon "inference," and any ambiguity or absence of evidence must be resolved against it.

It was further held that the testimony of the witness Platt, accepted in its entirety, was not sufficient to show such use by Atlas as to establish any public recognition thereof.

GOLDEN ARROW TOILETRIES *v.* LANCOME S. A., Opposition No. 25,489.

In a decision rendered November 29, 1948 (171 Ms. Dec. 89, 79 USPQ —), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition of Golden Arrow Toiletries, of New York, N. Y., to the application of Lancome S. A., of Paris, France, to register, under the Trade-Mark Act of 1905, a mark comprising the word "FLECHES" as a trade-mark for perfumes and rouges. Opposer relied upon prior use and ownership of the trade-mark "Golden Arrow" for various products including facial and bath soaps and astringents.

After noting that applicant concedes that opposer has used its mark upon the goods referred to prior to any date which is claimed by applicant, and that some of opposer's goods are of the same descriptive properties as applicant's goods, it was held that the only question for consideration is whether the Examiner of Interferences was right in holding the marks "FLECHES" and "Golden Arrow" to be linguistic equivalents, "Fleches" being the plural of the French word for "arrow."

Notwithstanding applicant's contentions that the French word "Fleche" has several other English meanings, and that "Fleche" is an English word having an entirely different meaning, it was held that since the marks of the parties have a common arbitrary meaning, which the record indicates is the meaning normally to be given the mark, and that the applicant intends such meaning to be accepted, applicant is hardly in a position under the circumstances to contend that its mark amounts to other than the French word for arrows, so that the Examiner of Interferences was right in finding that the marks of the parties are such that the concurrent use on the related products of the character specified is likely to cause confusion in trade and deception of purchasers.

G. R. KINNEY CO., INC., *v.* OLD COLONY SHOE COMPANY (DOING BUSINESS AS C. H. ALDEN SHOE CO.), Opposition No. 26,023.

In a decision rendered November 30, 1948 (171 Ms. Dec. 91, 79 USPQ —), *Assistant Commissioner Daniels* affirmed the action of the Examiner of Trade-Mark Interferences dismissing the notice of opposition of G. R. Kinney Co., Inc., of New York, N. Y., to the application of Old Colony Shoe Company (Doing business as C. H. Alden Shoe Co.), of Brockton, Mass., for registration, under the Trade-Mark Act of 1905, of a mark consisting of the words "Kinetic Shoes," the word "Shoes" being disclaimed, as a trade-mark for shoes, stating that the only question presented on this appeal is that of the similarity of the marks of the parties involved. Opposer relied upon ownership and prior use by it and its predecessor of the words "Kinney" and "Kinney's" as trade-marks for shoes.

It was held that considered in their entireties, the marks appear so different in sound, appearance and meaning that there is no likelihood that confusion would result from their concurrent use upon the same products.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 28, 1948

[VOL. 617. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 507,450. YORKVILLE PAPER CO. INC., New York, N. Y. Filed Aug. 14, 1946.

ZER-O-BAG

The word "Bag" is disclaimed apart from the mark.

FOR BAGS FORMED OF PAPER, WAX PAPER, OR CELLOPHANE FOR PACKING COMESTIBLES.

Claims use since June 1, 1945.

Ser. No. 508,067. RUSSAKOV COMPANY OF AMERICA, Chicago, Ill. Filed Aug. 26, 1946.

REVOLV-O-MASTER

No claim is made to the word or symbol "Revolv" per se.

FOR FOOD RECEPTACLES INTENDED FOR PLACEMENT AND USE IN REFRIGERATORS AND THE LIKE—NAMELY, GLASS JARS SUPPORTED BY METAL BASES.

Claims use since July 23, 1946.

Ser. No. 518,802. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Filed Jan. 27, 1947.

RESISTO

FOR COLLAPSIBLE CARTONS MADE OF FIBRE BOX BOARD OR CONTAINER BOARD.

Claims use since Aug. 10, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 512,195. WILLIAM ALFRED KORNPOINTER, doing business as National Chemical Exterminating Co., Montreal, Canada. Filed Nov. 7, 1946.



The phrase "DeaDly To Pests," and dominated by the letters "DDT," as well as the word "Chemicals" is disclaimed apart from the mark.

FOR INSECTICIDES AND RATICIDES.

Claims use since Nov. 1, 1936, as to "Era"; and since Sept. 30, 1945, as to the mark as shown.

Ser. No. 514,385. WEKA S. P. R. L., Brussels, Belgium. Filed Dec. 16, 1946.



FOR GARLIC OIL EXTRACT IN CAPSULES FOR PHARMACEUTICAL PURPOSES.

Claims use since Mar. 28, 1946.

Ser. No. 516,821. THE CRAMER CHEMICAL CO., Gardner, Kans. Filed Feb. 3, 1947.

Atomic Balm

No claim is made to the word "Balm" apart from the mark.

FOR ANALGESIC BALM AND OINTMENT PREPARATION.

Claims use since Jan. 9, 1946.

Ser. No. 521,133. RICHARD HUDNUT, New York, N. Y. Filed Apr. 22, 1947.

SCARLET GLOW

The word "Scarlet" is disclaimed apart from the mark as shown.
FOR FACE POWDER, ROUGE, AND LIPSTICK.
Claims use since Mar. 6, 1947.

Ser. No. 521,403. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 26, 1947.

PENNSALT ARRESTO-MOTH

The word "Moth" is disclaimed apart from the association shown.
FOR INSECTICIDES.
Claims use since Apr. 7, 1947.

Ser. No. 523,778. RICHARD HUDNUT, New York, N. Y. Filed June 7, 1947.

POSTER RED

The word "Red" is disclaimed apart from the mark as shown.
FOR ROUGE AND LIPSTICK.
Claims use since Apr. 24, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 516,561. NATIONAL ALUMINUM MANUFACTURING CO., Peoria, Ill. Filed Jan. 29, 1947.

TOP-O-STOVE

FOR PRESSURE COOKERS OF VARIOUS TYPES AND SIZES, INCLUDING SAUCE PAN COOKERS AND CANNERS, AND ALUMINUM KITCHEN UTENSILS—NAMELY, SAUCE PANS, KETTLES, WAFFLE IRONS, COFFEE POTS, FRYING PANS, CASSEROLES, ROASTERS, GRIDDLES, BROILERS, TRIPLICATE PAN SETS, DOUBLE FRYING PANS, TEA KETTLES, DUTCH OVENS, COVERS, COMBINATION ROASTERS AND COOKERS, AND DOUBLE BOILERS.
Claims use since Dec. 1, 1946, and in a slightly modified form since Jan. 1, 1930.

Ser. No. 521,245. CRANE CO., Chicago, Ill. Filed Apr. 24, 1947.

CRANE-LINE

The word "Line" is disclaimed apart from the remainder of the mark.
FOR BALL COCKS, FLOAT RODS, FLOAT VALVES, TOWEL BARS, AND CLOSET SEATS.
Claims use since Jan. 1, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 516,897. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Feb. 4, 1947.

RBH

FOR PIGMENT DISPERSIONS, PIGMENTS FOR THE PAINT TRADE, FLATTING AGENTS FOR THE PAINT TRADE, LACQUERS, BOTH FINISHED AND CONCENTRATES, READY-MIXED AND PASTE PAINTS; AND OILS, THINNERS, AND RESINOUS MATERIALS FOR GENERAL USE IN THE PAINT TRADE.
Claims use since September 1929 for dispersions, pigments, thinners, and lacquers; since January 1941 for flatting agents, paints, and oils; and since July 1945 for resins.

Ser. No. 524,061. FOX PRODUCTS CO., New York, N. Y. Filed June 12, 1947.

FOX PRODUCTS CO.

FLORNU

The words "Products Co." are disclaimed.
FOR LIQUID FLOOR POLISH.
Claims use since about Apr. 1, 1946.

Ser. No. 525,413. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed July 1, 1947.

SOVALAC

FOR AN OLEORESINOUS VARNISH USED IN LIEU OF SHELLAC FOR WOOD, STEEL, OR COMPOSITION SURFACES.
Claims use since Oct. 10, 1936.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 516,516. J. B. WOOD, doing business as Wood Manufacturing Co., El Dorado, Ark. Filed Jan. 28, 1947.

Doodler

FOR ARTIFICIAL FISH LURES.
Claims use since Mar. 31, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 520,248. THE APCO CORPORATION, Los Angeles, Calif. Filed Apr. 7, 1947.

ELECTROVATOR

FOR MOBILE ELECTRICAL HIGH VOLTAGE APPARATUS FOR THE ERADICATION OF VEGETATION IN THE SOIL, THE SAME FUNCTIONING AS A WEED KILLER.
Claims use since Feb. 26, 1946.

Ser. No. 520,689. EFCO MANUFACTURING, INC., Hamilton, R. I. Filed Apr. 15, 1947.

FOR WRENCHES AND WRENCH PARTS.
Claims use since Jan. 2, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 487,617. GRANBERG EQUIPMENT, INC., Oakland, Calif. Filed Aug. 27, 1945.

GRANCO

FOR METERS—NAMELY, ROTARY PRECISION METERS AND LINE METERS OF THE TYPE ADAPTED FOR MEASURING QUANTITY FLOW OF FLUIDS.
Claims use since Nov. 1, 1937.

Ser. No. 509,083. ARCHIE S. FEINBERG, doing business as Great National Air Conditioning Company, Dallas, Tex. Filed Sept. 14, 1946.

EVAP-O-THERMATIC

The lining on the drawing indicates the color red.
FOR DEVICE ADAPTED FOR MANUAL SETTING AND DISPOSED AT A POINT REMOTE FROM AN EVAPORATIVE COOLER TO AUTOMATICALLY OPEN AND CLOSE OR PARTIALLY OPEN AND CLOSE A DAMPER IN THE EXHAUST CONDUIT OF THE COOLER TO VARY THE C. F. M. OF AIR EXHAUSTED FROM THE COOLER.
Claims use since Aug. 1, 1946.

Ser. No. 517,853. KEYSTONE VIEW COMPANY, Meadville, Pa. Filed Feb. 20, 1947.

KEYSTONE STEREO-MOTIVATOR

The word "Stereo" is disclaimed apart from the mark.
FOR APPARATUS FOR TESTING AND TRAINING OF VISION—NAMELY, A TRIPLE SLIDE HOLDER ASSEMBLY WITH MICROMETER ADJUSTMENT PROVIDING FOR EQUAL BUT OPPOSITELY DIRECTED MOTIONS OF TWO SLIDE HOLDERS AGAINST A STATIONARY THIRD SLIDE.
Claims use since May 9, 1946.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 514,441. PAUL A. STRAUB & CO. INC., New York, N. Y. Filed Dec. 17, 1946.

PASCO

FOR CHINA AND EARTHENWARE—NAMELY, BOWLS, CHINA DINNERWARE, COMPORTS, CABARETS, VASES, URNS, AND BOXES AND TRAYS NOT INCLUDING CIGARETTE BOXES AND ASH TRAYS.
Claims use since 1931.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 513,735. CHARLES J. FRENCH, doing business as French Manufacturing Company, Oklahoma City, Okla. Filed Dec. 5, 1946.

Starlite

FOR DECORATIVE, PLASTIC ROSETTES IN THE NATURE OF ORNAMENTS FOR MIRRORS AND FURNITURE.
Claims use since Nov. 1, 1945.

CLASS 33

GLASSWARE

Ser. No. 506,173. ALEXANDER H. KERR & CO. INC., Los Angeles, Calif. Filed July 24, 1946.

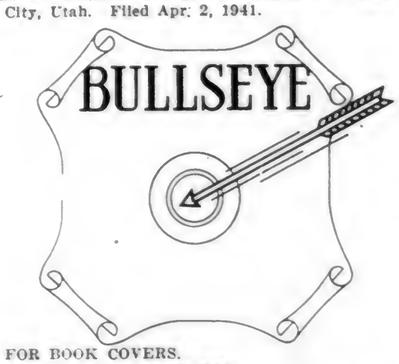
AHK

FOR GLASS CONTAINERS—NAMELY, GLASS JARS AND TUMBLERS.
Claims use since Sept. 9, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 442,219. STEVENS & WALLIS, INC., Salt Lake City, Utah. Filed Apr. 2, 1941.



FOR BOOK COVERS.
Claims use since April 1937.

Ser. No. 508,310. REUBEN COMPANY, Chicago, Ill. Filed Aug. 30, 1946.

CONVERTO-BINDER

No claim is made to the word "Binder" apart from the mark.
FOR LOOSE LEAF BINDERS AND RING BINDERS FOR PORTFOLIOS SOLD AS SUCH.
Claims use since December 1939.

Ser. No. 512,131. PARK SQUARE, INCORPORATED, St. Paul, Minn. Filed Nov. 6, 1946.

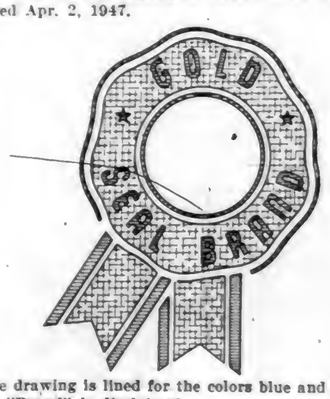
Waterspun

FOR WRITING PAPER AND CORRESPONDENCE ENVELOPES.
Claims use since Jan. 5, 1946.

CLASS 39

CLOTHING

Ser. No. 520,059. BERNARD SCHERER, New York, N. Y. Filed Apr. 2, 1947.



The drawing is lined for the colors blue and gold. The word "Brand" is disclaimed.
FOR HANDKERCHIEFS.
Claims use since Feb. 3, 1947.

Ser. No. 522,887. WIMELBACHER & RICE, INC., New York, N. Y. Filed May 23, 1947.

DUONYLONSUEDE

FOR FABRIC GLOVES MADE IN WHOLE OR IN PART OF NYLON.
Claims use since May 1, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 516,321. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va. Filed Jan. 24, 1947.

STARLETS

FOR COOKIES.
Claims use since Dec. 18, 1946.

Ser. No. 520,229. CLARA N. PARDEE, Hastings-on-Hudson, N. Y. Filed Apr. 5, 1947.

EAGLE

FOR DRIED BEEF.
Claims use since Mar. 5, 1907.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 518,577. CHARLES V. SCHUYLER, doing business as Natalun Company, Philadelphia, Pa. Filed Mar. 5, 1947.

natalun

FOR IDENTIFICATION MEDALS MADE OF BASE METALS.
Claims use since Feb. 24, 1947.

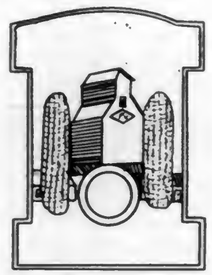
ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 524,413. F. H. PEAVEY & COMPANY, Minneapolis, Minn. Filed Apr. 29, 1948.



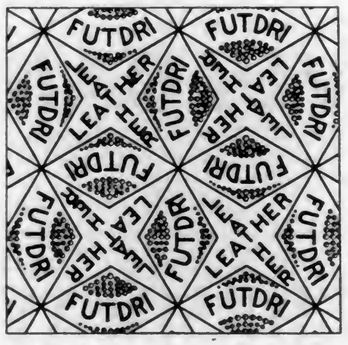
Applicant disclaims any right to the exclusive use of a representation of an ear of corn.
FOR AGRICULTURAL SEEDS—NAMELY, FIELD CROP SEEDS.
Claims use since January 1947.

Ser. No. 529,042. J. GREENEBAUM TANNING CO., Chicago, Ill. Filed July 21, 1947.

PRIMO

FOR LEATHER IN THE PIECE, I. E., UPPER LEATHER.
Claims use since Feb. 10, 1925.

Ser. No. 529,043. J. GREENEBAUM TANNING CO., Chicago, Ill. Filed July 21, 1947.



The word "Leather" is disclaimed apart from the mark shown. Applicant claims ownership of registration No. 372,908.
FOR LEATHER FOR OUTER SOLES OR INNER SOLES FOR SHOES.
Claims use since July 7, 1938.

Ser. No. 529,051. J. GREENEBAUM TANNING CO., Chicago, Ill. Filed July 21, 1947.



The mark consists of the letter "G" and a picture of a tree. Applicant claims ownership of registrations Nos. 302,264, 386,658, and 393,381.
FOR LEATHER.
Claims use since Jan. 1, 1932.

Ser. No. 536,540. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 2, 1947. Under section 2f of the act of 1946.

NO-FLAME

Applicant claims ownership of registration No. 390,349.
FOR COTTON WHICH HAS BEEN TREATED TO RENDER IT FIREPROOF.
Claims use since Sept. 15, 1932.

Ser. No. 541,538. GREAT PLAINS SEED CO., Sioux Falls, S. Dak. Filed Nov. 18, 1947.



FOR FARM AND GARDEN SEEDS.
Claims use since Oct. 21, 1947.

Ser. No. 542,409. J. M. HUBER CORPORATION, New York, N. Y., and Locust, N. J. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

aerfloted

Applicant claims ownership of registration No. 415,264.
FOR CARBON BLACK AND FOR CLAY FILLERS; FOR USE IN INKS, PAINTS, RUBBER OR RUBBER-LIKE COMPOSITIONS AND OTHER PRODUCTS.
Claims use since November 1923.

Ser. No. 542,410. J. M. HUBER CORPORATION, New York, N. Y., and Locust, N. J. Filed Sept. 16, 1947.



FOR CLAY.
Claims use since November 1923.

Ser. No. 543,563. BROWN COMPANY, Berlin, N. H. Filed Dec. 6, 1947.

DURAKRAFT

Applicant claims ownership of registrations Nos. 267,159, 267,160, 286,367, 293,744, and others.
FOR WOOD PULP.
Claims use since Sept. 11, 1947.

Ser. No. 568,090. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Nov. 5, 1948.

ULTROSOL

FOR SYNTHETIC RESINS IN THE FORM OF SOLUTIONS AND EMULSIONS FOR GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Oct. 25, 1948.

CLASS 2

RECEPTACLES

Ser. No. 536,452. JACK HOBSON SCOTT, doing business as Caribcraft, Port-Au-Prince, Haiti, West Indies. Filed Oct. 1, 1947.

CARIBCRAFT

FOR CUPS, BOWLS, TRAYS, PLATES, AND DISHES MADE OF WOOD.
Claims use since Sept. 1, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 554,314. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Apr. 10, 1948.

TUSSY

Applicant claims ownership of registration No. 379,732.
FOR SOAP AND WASHING AND SPOTTING COMPOUND FOR TEXTILES AND GARMENTS.
Claims use since Sept. 12, 1939.

CLASS 5

ADHESIVES

Ser. No. 531,809. EUGENE K. KRAKAUR, Patchogue, L. I., N. Y. Filed Aug. 19, 1947.

Adversatape

No claim is made to the rolled tape except as shown.
FOR PLAIN ADHESIVE PAPER TAPE.
Claims use since July 1932.

Ser. No. 543,015. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Sept. 9, 1947.

VULCAN

Applicant claims ownership of registration No. 373,737.
FOR GUMMED PAPER VENEER TAPE.
Claims use since June 1, 1939.

Ser. No. 549,024. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C. Filed Feb. 6, 1948.

CHEMWAY

FOR ADHESIVES FOR FASTENING BRAKE LININGS AND CLUTCH FACINGS TO BRAKE BANDS, BRAKE SHOES, AND BRAKE OR CLUTCH DISCS, AND THE LIKE, AND FOR USE AS A CEMENT FOR FASTENING RUBBER, ASPHALT, PLASTIC, COTTON, AND CORK TILES, SHEET OR ROLL STOCK, WALL COVERINGS, AND TOPPING MATERIALS TO WALLS, FLOORS, CEILINGS, TABLE TOPS, SINK TOPS, CABINETS, AND FURNITURE.
Claims use since 1943 on brake linings and clutch facings; and since 1947 on other materials named.

Ser. No. 549,025. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C. Filed Feb. 6, 1948.

SOUTHERN

FOR ADHESIVES FOR FASTENING BRAKE LININGS AND CLUTCH FACINGS TO BRAKE BANDS, BRAKE SHOES, AND BRAKE OR CLUTCH DISCS, AND THE LIKE, AND FOR USE AS A CEMENT FOR FASTENING RUBBER, ASPHALT, PLASTIC, COTTON, AND CORK TILES, SHEET OR ROLL STOCK, WALL COVERINGS, AND TOPPING MATERIALS TO WALLS, FLOORS, CEILINGS, TABLE TOPS, SINK TOPS, CABINETS, AND FURNITURE.
Claims use since 1937 on brake linings and clutch facings; and since 1943 on other materials named.

Ser. No. 551,802. HUDSON PULP & PAPER CORPORATION, Portland, Maine, and New York, N. Y. Filed Mar. 12, 1948.

Orange Core

FOR GUMMED TAPE.
Claims use since 1927.

Ser. No. 553,357. GAYLORD BROS., INC., Syracuse, N. Y. Filed Mar. 30, 1948.

GAYLO

FOR LIBRARY ADHESIVE.
Claims use since Sept. 1, 1923.

Ser. No. 553,467. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 31, 1948.

Coragum

Applicant claims ownership of registration No. 344,824.
FOR COMBINATION OF DRY STARCHES, USED AS AN ADHESIVE IN PASTE FORM.
Claims use since Sept. 12, 1936.

Ser. No. 553,469. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 31, 1948.

Lam-o-dex

Applicant claims ownership of registration No. 362,638.
FOR COMBINATIONS OF DRY STARCHES, DEXTRINES, OR GUMS, FOR PASTING PURPOSES.
Claims use since July 15, 1938.

Ser. No. 553,470. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 31, 1948.

Moqul

Applicant claims ownership of registration No. 241,992.
FOR CORE BINDER MADE OF STARCH.
Claims use since Mar. 30, 1924.

Ser. No. 555,459. STEIN, HALL & COMPANY, INC., New York, N. Y. Filed Apr. 23, 1948. Under section 2f of the act of 1946.

GLUAID

Applicant claims ownership of registration No. 408,990.
FOR CONVERTED STARCH PRODUCT SUITABLE FOR USES SIMILAR TO GLUE AND USED ALONE OR WITH GLUE FOR ADHESIVE PURPOSES.
Claims use since January 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 487,539. EVELYN WESTALL, doing business as Parfums Evyan Co., New York, N. Y. Filed May 5, 1948.

Evyan

FOR PERFUMES AND COLOGNES.
Claims use since Aug. 22, 1945.

Ser. No. 496,874. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Mar. 3, 1948.

LOOSOL

Applicant claims ownership of registration No. 387,724.
FOR ORGANIC CHEMICAL PREPARATION FOR USE AS AN INHIBITOR TO RETARD DETERIORATION OF ORGANIC MATERIAL; CHEMICAL PREPARATIONS FOR USE AS INHIBITORS IN PREVENTION OF SLUDGE FORMATION IN SCRUBBING OILS FOR ARTIFICIAL GAS.
Claims use since Oct. 1, 1940.

Ser. No. 507,224. ARTHUR R. TURNER, doing business as Artco Products Co., Wilmington, Calif. Filed Mar. 25, 1948.

TERMITROL

FOR A PREPARATION USED AS A WOOD PRESERVATIVE AND AS A PREVENTATIVE AGAINST ALL FORMS OF WOOD DESTROYING ORGANISMS.
Claims use since July 1, 1946.

Ser. No. 510,985. WALKER VITAMIN PRODUCTS, INC., Mount Vernon, N. Y. Filed Aug. 20, 1947. Under section 2f of the act of 1946.

WALKER'S

FOR VARIOUS VITAMIN PREPARATIONS.
Claims use since September 1939.

Ser. No. 515,647. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Aug. 7, 1947.

SESQUI-SEC

FOR MODIFIED SODA.
Claims use since Dec. 24, 1946.

Ser. No. 516,997. HENRY POLLAK, INC., New York, N. Y. Filed Dec. 18, 1947.

POLLAX

FOR CELLULOSE COATING FOR MILLINERY BRAIDS AND HAT BODIES, USED TO ADD SHEEN AND RENDER WATERPROOF.
Claims use since July 1932.

Ser. No. 527,447. TABLE ROCK LABORATORIES, INC., Greenville, S. C. Filed July 5, 1947.

BEFACLIN

Applicant claims ownership of registration No. 365,859.
FOR SOLUTION OF THE WHOLE VITAMIN B COMPLEX AND COMPRESSED TABLETS CONTAINING THE WHOLE VITAMIN B COMPLEX FOR THE TREATMENT OF VITAMIN B DEFICIENCIES, NEURITIS, MALNUTRITION, AND POLYNEURITIS.
Claims use since September 1938.

Ser. No. 530,396. GALREE PRODUCTS CO., INC., New York, N. Y. Filed Aug. 4, 1947.

Regal 4 SQUARE

Applicant claims ownership of registration No. 287,526.
FOR MOTH PREVENTATIVE AND INSECTICIDE.
Claims use since Feb. 15, 1935.

Ser. No. 531,440. CHEMICALS, INC., doing business as So Kleen Products, Oakland and San Francisco, Calif. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

SoKLEEN



The representation of a child in the drawing is fanciful. The words "Soak Don't Rub" are disclaimed apart from the mark. Applicant claims ownership of registration No. 410,418.
FOR HOUSEHOLD BLEACH.
Claims use since Mar. 1, 1940.

Ser. No. 533,538. CHATHAM PHARMACEUTICALS, INC., Newark, N. J. Filed Sept. 5, 1947. Under section 2f of the act of 1946.

Chatham

Applicant claims ownership of registration No. 416,599.
FOR HEMOSTATICS FOR THE CONTROL OF VENOUS AND CAPILLARY BLEEDING; FOR MEDICINAL PREPARATIONS FOR THE TREATMENT OF HYPERACIDITY; AND FOR OINTMENTS FOR THE TREATMENT AND ALLEVIATION OF BURNS AND SKIN DISEASE.
Claims use since Oct. 28, 1942.

Ser. No. 533,579. E. F. HOUGHTON & Co., Philadelphia, Pa. Filed Sept. 5, 1947.

RESONET

FOR TEXTILE FINISHING AGENTS.
Claims use since May 20, 1946.

Ser. No. 533,677. JOAQUIM RODRIGUEZ, Los Angeles, Calif. Filed Sept. 6, 1947.

J. R.
GENERATOR

Applicant disclaims the term "Generator" apart from the mark as shown.
FOR HAIR TONIC.
Claims use since July 29, 1947.

Ser. No. 535,086. ALBERT S. SHARPE, doing business under the name of Eprahs Medicine Co., Detroit, Mich. Filed Sept. 19, 1947.

Eprahs

FOR PREPARATION FOR DIABETES, ASTHMA AND A PILE LOTION.
Claims use since October 1944.

Ser. No. 536,404. C. M. KIMBALL CO., Boston, Mass. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

REFRESH-R

Applicant claims ownership of registration No. 388,145.
FOR BOTTLED LIQUID, WHICH WHEN SPRAYED INTO THE AIR DEODORIZES THE SAME.
Claims use since Apr. 17, 1940.

Ser. No. 537,641. WHITEHALL PHARMACAL COMPANY, New York, N. Y., assignor to Affiliated Products, Inc., New York, N. Y., a corporation of Illinois, now by change of name Whitehall Pharmacal Company, a corporation of Illinois. Filed Oct. 11, 1947. Under section 2f of the act of 1946.



ROWLES
MENTHO-SULPHUR

The portrait is fanciful. No claim is made to the words "Mentho-Sulphur." Applicant claims ownership of registrations Nos. 140,181 and 178,392.
FOR MEDICINAL SALVE FOR THE RELIEF OF AFFECTIONS AND IRRITATIONS OF THE SKIN AND SCALP.
Claims use since May 26, 1923.

Ser. No. 538,442. ODORBASE MANUFACTURING COMPANY, New York, N. Y. Filed Oct. 20, 1947. Under section 2f of the act of 1946.

Odorbase

Applicant claims ownership of registration No. 155,578.
FOR CONCENTRATED PERFUMES.
Claims use since September 1908.

Ser. No. 539,166. THE HERB FARM SHOP LTD., Elizabeth, N. J., and New York, N. Y. Filed Oct. 27, 1947.



The term "Audley" is disclaimed apart from the mark.
FOR PERFUME, TOILET WATER, SACHET POWDER, DUSTING POWDER, BATH ESSENCE, AND TALCUM POWDER.
Claims use since Feb. 18, 1947.

Ser. No. 540,457. HELENA RUBENSTEIN, INC., New York, N. Y. Filed Nov. 7, 1947.

GREEN VELVET

Applicant claims ownership of registration No. 349,251.
FOR PERFUMES.
Claims use since July 30, 1947.

Ser. No. 541,467. ISAIAH D. RUSSELL, doing business as I. D. Russell Co. Laboratories, Kansas City, Mo. Filed Nov. 17, 1947.

Korum

The words "for Poultry" are disclaimed apart from the mark. Applicant claims ownership of registration No. 343,489.
FOR MEDICINES FOR POULTRY.
Claims use since 1929.

Ser. No. 542,680. SUPERIOR BEAUTY PRODUCTS CO., Chicago, Ill. Filed Nov. 28, 1947.

Mil-ett

FOR CREAM SHAMPOO.
Claims use since Nov. 21, 1947.

Ser. No. 543,700. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif. Filed Dec. 8, 1947.

AP 8

FOR NIACIN.
Claims use since Jan. 10, 1936.

Ser. No. 548,973. MACDERMID INCORPORATED, Waterbury, Conn. Filed Feb. 6, 1948.

DYCLENE

FOR A CHEMICAL PREPARATION FOR CLEANING METALS PRIOR TO ELECTROPLATING.
Claims use since Jan. 10, 1940.

Ser. No. 548,975. MACDERMID INCORPORATED, Waterbury, Conn. Filed Feb. 6, 1948.

METALEX

The vertical lining on the drawing indicates the color red.
FOR DRY ALKALINE CLEANSING PREPARATIONS IN THE NATURE OF SOLUBLE SALTS FOR CLEANING METALS PREPARATORY TO PLATING, BUFFING, ETC.
Claims use since May 1940.

Ser. No. 549,277. RIVERDALE CHEMICAL COMPANY, Harvey, Ill. Filed Feb. 10, 1948.

RIVICOL

FOR INSECTICIDE.
Claims use since June 1, 1945.

Ser. No. 550,031. THE DENVER CHEMICAL MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 18, 1948.

Antiphlogistine

The drawing is lined to indicate the color orange. Applicant claims ownership of registrations Nos. 44,419 and 404,462.
FOR MEDICINAL PREPARATION POSSESSING HEALING PROPERTIES AND BEING A HEALING PREPARATION FOR INJURIES AND ACUTE AND CHRONIC INFLAMMATORY AFFECTIONS, AND ALSO FOR A MEDICATED RUB.
Claims use since Oct. 1, 1893, as to word "Antiphlogistine" on medicinal preparation; since Nov. 1, 1942, as shown on medicinal preparation; and since Feb. 5, 1948, on medicated rub.

Ser. No. 550,260. REXALL DRUG COMPANY, doing business as Lorie, Los Angeles, Calif. Filed Feb. 20, 1948.

ADRIENNE

Applicant claims ownership of registration No. 237,405.
FOR COSMETICS—NAMELY, BATH POWDERS, TALCUM POWDERS, CLEANSING CREAMS, COLD CREAMS, FINISHING CREAMS, FOUNDATION CREAMS, SKIN CREAMS, LIPSTICKS, LIQUID BRILLIANTINES, ASTRINGENT LOTIONS, SKIN LOTIONS, SKIN FRESHENERS, COLOGNES, PERFUMES, ROUGES, AND SACHET PERFUMED POWDER IN BAGS AND PADS.
Claims use since Mar. 16, 1927.

Ser. No. 551,174. EVANGELINE PRODUCTS, INC., Brooklyn, N. Y. Filed Mar. 4, 1948.

Evangeline



Applicant claims ownership of registration No. 289,488.
FOR SHOE DYE FOR FABRIC AND LEATHER.
Claims use since June 15, 1931.

Ser. No. 551,728. THE OCA MEDICINE COMPANY, INC., New York, N. Y. Filed Mar. 11, 1948. Under section 2f of the act of 1946.

O. K.

Applicant claims ownership of registrations Nos. 327,988 and 385,972.
FOR PREPARATIONS INDICATED IN AND FOR THE TREATMENT OF HEADACHES, NEURALGIAS, COUGHS, COLDS, GRIPPE, MUSCULAR ACHES AND PAINS, FEVER, AS A GARGLE FOR THE RELIEF OF MINOR THROAT IRRITATIONS, AND ALL SUCH OTHER RELATED HUMAN AILMENTS AND PATHOLOGICAL CONDITIONS IN OR FOR THE TREATMENT OF WHICH IT MAY BE NECESSARY OR ADVISABLE TO ADMINISTER ANALGESICS, ANODYNES, AND ANTIPYRETICS.
Claims use since 1915.

Ser. No. 552,489. POND'S EXTRACT COMPANY, New York, N. Y. Filed Mar. 19, 1948. Under section 2f of the act of 1946.

POND'S

Applicant claims ownership of registrations Nos. 215,081, 260,316, 323,881, 354,558, 400,349, 415,955, and 435,562.
FOR TOILET, COSMETIC, AND PHARMACEUTICAL PRODUCTS—NAMELY, EXTRACT OF HAMAMELIS OR WITCH HAZEL, COLD CREAM, VANISHING CREAM, LIQUEFYING CREAM, DRY SKIN CREAM, SKIN FRESHENER, FACE POWDER, DUSTING POWDER, TALCUM POWDER, LIPSTICKS, ROUGE, COLOGNE, AND PREPARATION TO BE APPLIED TO THE FACE TO FORM A MAKE-UP BASE OR FOUNDATION.
Claims use since 1846.

Ser. No. 553,468. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 31, 1948.

Hawkeye



Applicant claims ownership of registrations Nos. 81,092 and 81,093.
FOR STARCH FOR LAUNDRY AND MANUFACTURING PURPOSES.
Claims use since 1900.

Ser. No. 553,671. JOSEPHINE BUCKLEY, doing business as Fronz-Buckley Co., Brooklyn, N. Y. Filed Apr. 2, 1948.

FRONZYST

FOR LINIMENT FOR EXTERNAL APPLICATION IN THE TREATMENT OF MUSCULAR ACHES AND PAINS.
Claims use since Mar. 1, 1948.

Ser. No. 556,016. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed May 1, 1948.

SEOTAL SODIUM

The word "Sodium" is disclaimed apart from the mark shown. Applicant claims ownership of registration No. 430,202.

FOR MEDICINAL PREPARATION OF SODIUM PROPYL-METHYL-CARBINYL ALLYL BARBITURATE USEFUL AS A HYPNOTIC.
Claims use since Mar. 29, 1948.

Ser. No. 556,267. HOFFMANN-LA ROCHE INC., Nutley, N. J. Filed May 5, 1948.

THEPHORLIN

Applicant claims ownership of registration No. 59,581.
FOR PREPARATIONS EXHIBITING ANTISPASMODIC AND ANTIHISTAMINIC ACTIVITY.
Claims use since Apr. 19, 1948.

Ser. No. 556,408. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 7, 1948. Under section 2f of the act of 1946.

Carey

Applicant claims ownership of registrations Nos. 150,520 and 105,340.
FOR MAGNESIA, LIGHT CALCINED MAGNESIA, LIGHT CALCINED MAGNESIA POWDER, CARBONATE OF MAGNESIA, AND CARBONATE OF MAGNESIA POWDER.
Claims use since Aug. 1, 1888.

Ser. No. 556,457. LENTHÉRIC INCORPORATED, New York, N. Y. Filed May 7, 1948.

GENDARME

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since Apr. 14, 1948.

Ser. No. 556,498. VAN PELT AND BROWN, INCORPORATED, Richmond, Va. Filed May 7, 1948.

TRIFONAMIDE

FOR PREPARATION IN LIQUID, TABLET, AND LOZENGES FORM, USED FOR THE CHEMEOTHERAPEUTIC TREATMENT OF BACTERIAL INFECTION.
Claims use since Mar. 9, 1948.

Ser. No. 557,330. MILFORD H. WISE, doing business as Rawl Chemists Co., New York, N. Y. Filed May 18, 1948.

METHEPONEX

FOR CAPSULES FOR LIVER DISORDERS AND ENDOCRINE DISTURBANCES.
Claims use since Apr. 22, 1948.

Ser. No. 557,429. CORTUNON CO., INC., New York, N. Y. Filed May 20, 1948.

KLEV

FOR MEDICINAL PREPARATION FOR USE IN THE SYMPTOMATIC THERAPY IN RHEUMATISM AND ARTHRITIS.
Claims use since May 7, 1948.

Ser. No. 557,673. MEYER CHEMICAL COMPANY, Detroit, Mich. Filed May 24, 1948.

LUTESTRA

FOR A PARENTERAL SOLUTION CONTAINING PROGESTERONE, ALPHA-ESTRADIOL, WITH CHLOROBUTANOL FOR USE IN THE TREATMENT OF AMENORRHEA OR MENOMETORRHAGIA.
Claims use since Sept. 24, 1946.

Ser. No. 557,799. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed May 25, 1948.

INTRACILLINE

Applicant claims ownership of registration No. 435,106.
FOR PENICILLIN PREPARATIONS FOR USE AS ANTI-BACTERIALS.
Claims use since Apr. 2, 1948.

Ser. No. 557,800. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed May 25, 1948.

Gelu-cilline

Applicant claims ownership of registrations Nos. 378,528, 422,035, and others.
FOR PENICILLIN PREPARATIONS FOR USE AS ANTI-BACTERIALS.
Claims use since Apr. 2, 1948.

Ser. No. 558,109. E. C. DE WITT & CO. INC., Chicago, Ill. Filed May 29, 1948. Under section 2f of the act of 1946.

DeWitt's

Applicant claims ownership of registrations Nos. 44,550, 45,039, 45,281, 145,945, 163,307, 190,422, 192,053, and 197,205.
FOR PREPARATIONS FOR INTERNAL AND EXTERNAL USE IN LIQUID FORM, SEMILIQUID, OR SOLID FORM, IN SIRUP FORM, TABLET FORM, CANDY FORM, CREAM FORM, SALVE FORM, JELLY FORM, POWDER FORM, OR IN THE FORM OF PILLS, RECOMMENDED FOR ALLEVIATING THE DISTRESS OF STOMACH ACIDITY; A DIURETIC STIMULANT FOR THE KIDNEYS; ALSO PREPARATIONS RECOMMENDED FOR THE RELIEF OF HEADACHE, COUGHS, COLDS, MUSCULAR PAINS, AND IRRITATION OF THE EYES CAUSED BY DUST, FAILING APPETITE; ALSO PREPARATIONS FOR REMOVING CORNS AND CALLI; ALSO SHAMPOO, TOILET CREAM, ANTACID POWDER, HYGIENIC POWDER; ALSO PREPARATIONS TO BE APPLIED TO CUTS, BRUISES, SPRAINS, BURNS, AND THE LIKE; PREPARATIONS FOR THE RELIEF OF CONSTIPATION; PREPARATIONS FOR THE RELIEF OF NASAL CONGESTIONS; OIL FOR SOFTENING ACCUMULATION OF WAX IN THE EARS; PREPARATION FOR THE ALLEVIATION OF TOOTHACHE; FOOT POWDER FOR THE RELIEF OF TIRED AND ACHING FEET; ASPIRIN; HAIR DRESSING; SUN TAN LOTION AND SUN TAN CREAM.
Claims use since 1889.

Ser. No. 558,145. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed May 29, 1948. Under section 2f of the act of 1946.

DOROTHY GRAY

The trade-mark is not intended to identify any particular individual, no person by that name being at present in any way connected with applicant's business or being the source of applicant's goods. Applicant claims ownership of registrations Nos. 200,419, 285,634, 290,936, and 352,321.
FOR PERFUMES, EAU DE COLOGNE, TOILET WATER, FACE POWDER, DUSTING POWDER, TALCUM POWDER, SACHET POWDER, CAKE MAKE-UP, LIPSTICKS, ROUGE, FINISHING LOTION, TOILET CREAMS, CLEANSING CREAMS AND LOTIONS, COLD CREAM, FOUNDATION CREAM, SUNBURN CREAM, TANNING OIL, SUNTAN LOTION, WHITENING CREAM, SUPPLING CREAM, SPECIAL SKIN CREAMS, MASQUE PREPARATIONS, HYGIENIC LOTION, HAND CREAM AND LOTIONS, THROAT CREAM, DEODORANT CREAM, DEPILATORIES, SKIN CIRCULATION AND MASSAGE OINTMENT, ASTRINGENTS, OILS AND LOTIONS FOR THE SKIN, EMOLLIENT AND LUBRICANT CREAMS FOR THE SKIN, PORES AND TISSUES, HYGIENIC PASTE, CLEANSING GRAINS (A TOILET PREPARATION IN GRANULATED FORM USED AS A CLEANSING MECHANICAL STIMULANT), LEG TINTING OR MAKE-UP COSMETIC, MASCARA, EYE SHADOW, EYEBROW PENCILS, EYE EMOLLIENT CREAM, BATH ESSENCE, BUBBLING BATH OIL, PREPARATION RECOMMENDED FOR USE AS A BODY RUB, BABY OIL, BABY POWDER, BABY ANTICHAFING OINTMENT, BABY SOFTENING SKIN CREAM, SHAMPOO, NAIL CREAM, NAIL POLISH, NAIL POLISH REMOVERS, NAIL POLISH FIXATIVES, VANITY CASES CONTAINING POWDER AND/OR ROUGE AND/OR LIPSTICKS, ROUGE REFILLS AND LIPSTICK REFILLS FOR VANITIES, LIPSTICKS AND COMPACTS, REFILLS FOR MASCARA.
Claims use since 1916.

Ser. No. 558,901. LES PARFUMS DE DANA, INC., New York, N. Y. Filed June 10, 1948.



Applicant claims ownership of registration No. 383,832.
FOR PERFUME, TOILET WATERS, LIPSTICKS, FACE POWDERS, TOILET CREAMS, AND ROUGE.
Claims use since December 1940.

Ser. No. 558,984. AMERICAN GUM PRODUCTS COMPANY, New York, N. Y. Filed June 11, 1948.

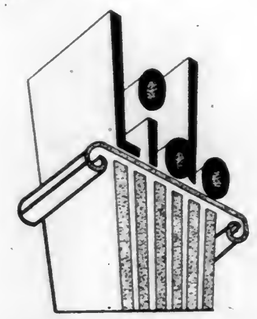
GOULAC

Applicant claims ownership of registration No. 92,500 (renewed).
FOR CHEMICAL COMPOUND USEFUL AS AN EMULSIFYING AND DISPERSING AGENT IN THE MANUFACTURE OF ROAD OILS, PORTLAND CEMENT, AND ORE FLOTATION, AND AS AN AGENT EMPLOYED IN MINERAL SEPARATION PROCESSES IN CONNECTION WITH METAL REFINING.
Claims use in connection with an emulsifying agent in the manufacture of insecticides and road oils, since on or about Mar. 12, 1930; in connection with Portland cement, since on or about Dec. 17, 1935; in connection with ore flotation, since on or about May 3, 1940; and as an agent employed in mineral separation processes in connection with metal refining, since on or about June 10, 1926.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 513,639. REXON INC., New York, N. Y. Filed Sept. 18, 1947.



FOR CIGARETTE AND CIGAR CASES, CIGARETTE AND CIGAR HOLDERS, AND ASH TRAYS, MADE OF BASE METAL AND/OR COMPOSITION MATERIAL.
Claims use since July 5, 1945.

Ser. No. 549,563. MURRAY MENSCHIK, doing business as Joell Manufacturing Co., Brooklyn, N. Y. Filed Feb. 12, 1948.

JOELL

FOR LEATHER GOODS—NAMELY, TOBACCO POUCHES.
Claims use since Feb. 1, 1945.

CLASS 10

FERTILIZERS

Ser. No. 528,420. ARMOUR AND COMPANY, Chicago, Ill. Filed July 12, 1947.

GOLD BOND

FOR FERTILIZERS.
Claims use since 1912.

Ser. No. 551,981. KAW RIVER VALLEY FERTILIZER CO., Lawrence, Kans. Filed Mar. 15, 1948.

Vitagreen

FOR FERTILIZER AND PLANT FOOD.
Claims use since Mar. 5, 1948.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 535,990. OLD TOWN RIBBON & CARBON CO., INC., Brooklyn, N. Y. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

OLD TOWN SUPER-KLEEN

The word "Kleen" is disclaimed apart from the mark.
FOR CARBON PAPER.
Claims use since Nov. 17, 1934.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 532,622. MONDEAUX MILLWORK AND SUPPLY COMPANY, Medford, Wis. Filed Aug. 27, 1947.

Mon-Do

FOR WINDOW SASHES IN WEATHER-STRIPPED WINDOW FRAMES, DOOR AND WINDOW FRAMES, WINDOW SASHES, AND DOORS.
Claims use since July 15, 1946.

Ser. No. 539,377. AMERICAN CROSSARM & CONDUIT COMPANY, Chicago, Ill. Filed Oct. 29, 1947. Under section 2f of the act of 1946.

RAINIER

FOR CROSSARMS, BRACES, PINS, AND BRACKETS, ALL SAID GOODS BEING MADE OF WOOD, FOR TELEPHONE, TELEGRAPH, AND ELECTRIC POWER POLES AND OTHER SUPPORTING STRUCTURES.
Claims use since Dec. 1, 1926.

Ser. No. 541,140. EDWARD HINES LUMBER CO., Chicago, Ill. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

HINES

FOR PONDEROSA PINE LUMBER.
Claims use since April 1934.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 474,081. CLAYTON MARK & COMPANY, Evanston, Ill. Filed Jan. 21, 1948. Under section 2f of the act of 1946.

HYDRO

FOR UNIONS FOR CONNECTING PIPES OR RODS, AND UNION CHECK VALVES.
Claims use since Mar. 3, 1930.

Ser. No. 501,025. STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed Aug. 5, 1948.

★STAR GRIPZIN

Applicant disclaims the word "Gripzin" apart from the mark. Applicant claims ownership of registrations Nos. 349,618 and 391,079.
FOR METAL EXPANSION SHIELDS FOR MACHINE SCREWS AND MACHINE BOLTS.
Claims use since Mar. 12, 1946.

Ser. No. 502,796. BLACKHAWK MFG. CO., Milwaukee, Wis. Filed July 10, 1947.

BLACKHAWK

Applicant claims ownership of registration No. 424,871.
FOR VALVES FOR CONTROLLING THE FLOW OF FLUIDS THROUGH CONDUITS; METALLIC PIPES AND TUBES; AND PIPE, TUBE, AND HOSE COUPLINGS.
Claims use since March 1927.

Ser. No. 530,347. STANDARD HORSE NAIL CORPORATION, New Brighton, Pa. Filed Aug. 2, 1947.

KOOLHEAD

FOR NAILS.
Claims use since 1923.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 534,742. CENTURY ELECTRIC COMPANY, St. Louis, Mo. Filed Sept. 17, 1947.

CARBITE

FOR CASTINGS OF IRON.
Claims use since June 1, 1947.

Ser. No. 539,060. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Oct. 25, 1947.

INCO
INCONEL

Applicant claims ownership of registrations Nos. 403,265 and 429,027.
FOR NICKEL ALLOYS AND ALLOYS OF NICKEL, CHROMIUM AND IRON.
Claims use since Sept. 23, 1947.

Ser. No. 549,120. CHICAGO STEEL AND WIRE COMPANY, Chicago, Ill. Filed Feb. 9, 1948.

FOR ROUND BOOKBINDERS' WIRE, FLAT BOOKBINDERS' WIRE AND BOXMAKERS' WIRE.
Claims use since 1936.

Ser. No. 550,288. AMPCO METAL, INC., Milwaukee, Wis. Filed Feb. 21, 1948.

Sil-Trode

FOR METALLIC WELDING RODS AND ARC WELDING ELECTRODES.
Claims use since Oct. 17, 1947.

CLASS 15

OILS AND GREASES

Ser. No. 536,496. CARDINAL CHEMICAL CORPORATION, Newark, N. J. Filed Oct. 2, 1947.

Colloil

FOR LUBRICATING OILS.
Claims use since Sept. 5, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 509,505. DEMERT & DOUGHERTY, INC., Chicago, Ill. Filed July 15, 1947.

D and D

FOR LINSEED OILS, CHEMICAL PAINT AND VARNISH REMOVERS, SHELLACS, TURPENTINES, PAINTERS' NAPHTHAS AND THINNERS FOR PAINT.
Claims use since Apr. 1, 1923.

Ser. No. 538,775. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa. Filed Oct. 23, 1947.

DULFECT

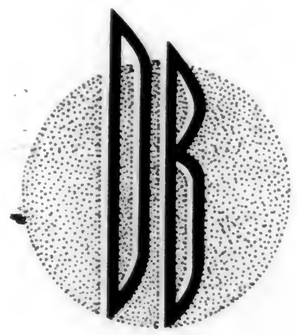
FOR VARNISHES.
Claims use since Jan. 2, 1914.

Ser. No. 539,715. KLING-TITE PAINT PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 31, 1947.

GUM SOL

Applicant disclaims exclusive right to use of the word "Gum" per se.
FOR PAINT IN LIQUID AND PASTE FORM.
Claims use since 1943.

Ser. No. 540,046. DE BOOM PAINT CO., San Francisco, Calif. Filed Nov. 4, 1947.



FOR PAINTS SOLD IN PASTE AND LIQUID FORM, VARNISHES, PAINT AND BAKING ENAMELS, UNDERCOATERS, SEALERS, STAINS, LIQUID REMOVERS, COLORS IN OIL, LACQUERS, DRYERS, REDUCERS AND PRIMERS.
Claims use since Nov. 1, 1945.

Ser. No. 543,806. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa. Filed Dec. 9, 1947.

SLO-SURFACE

FOR WAX FOR FLOORS.
Claims use since Sept. 29, 1947.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 532,935. JOSE ESCALANTE & CO., Chicago, Ill. Filed Aug. 30, 1947.

STANDARD CLUB

No claim is made to the word "Standard" apart from the mark.
FOR CIGARS.
Claims use since 1902.

Ser. No. 549,449. EDWARD A. KOLPIN, JR., Santa Monica, Calif. Filed Feb. 11, 1948.



FOR SMOKING TOBACCO.
Claims use since Jan. 1, 1940.

Ser. No. 549,592. STEPHANO BROTHERS, Philadelphia, Pa. Filed Feb. 12, 1948.

ZEBRA

FOR CIGARETTES.
Claims use since Feb. 6, 1948.

Ser. No. 550,331. LARUS & BROTHER COMPANY, INC., Richmond, Va. Filed Feb. 21, 1948.

NOB HILL

FOR TOBACCO AND TOBACCO PRODUCTS—NAMELY, SMOKING TOBACCO, CHEWING TOBACCO, CIGARS, CIGARETTES, AND SNUFF.
Claims use since Feb. 5, 1948.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 526,829. THE DAVEN COMPANY, Newark, N. J. Filed July 5, 1947. Under section 2f of the act of 1946.

THE DAVEN COMPANY, INC.

"The" and "Company Inc" are disclaimed as part of the mark.
FOR CONTROL EQUIPMENT FOR USE IN ELECTRICAL COMMUNICATION SERVICE—NAMELY, ATTENUATORS, AMPLIFIERS, ATTENUATION BOXES, CONTROLS FOR CUTTING IN SUCCESSIVE RECORDS IN AUDIO TRANSMISSION SYSTEMS, DECADES, DECADE RESISTANCE BOXES, DECADE VOLTAGE DIVIDERS, DECADE ATTENUATORS, DIALS, EQUALIZERS, FIXED ATTENUATORS, FIXED PADS, FIXED RESISTORS, FADERS FOR TURNTABLES, FREQUENCY MONITORS, LIVE EQUALIZERS, LOGARITHMIC RESISTORS, PRECISION RESISTORS, PREEMPHASIS NETWORKS, DEEMPHASIS NETWORKS, POWER LEVEL INDICATORS, VOLUME LEVEL INDICATORS, RECTIFIERS, RESISTORS, RHEOSTATS, TRANSFORMERS, OSCILLATORS, KNOBS, IMPEDANCE MATCHING NETWORKS, STEREOPHONIC CONTROLS, SPEECH INPUT EQUIPMENT, TELEPHONE SEPARATORS, SWITCHES, VOLUME CONTROLS, HERMETICALLY SEALED RESISTORS, HERMETICALLY SEALED NETWORKS, TONE CONTROLS, WAVE FILTERS, AND VOLUME LEVEL INDICATORS.
Claims use since June 1929.

Ser. No. 532,874. PROCTOR ELECTRIC COMPANY, Philadelphia, Pa. Filed Aug. 29, 1947. Under section 2f of the act of 1946.

NEVER-LIFT

FOR ELECTRIC IRONS.
Claims use since May 1939.

Ser. No. 537,410. THE BRUSH DEVELOPMENT COMPANY, Cleveland, Ohio. Filed Oct. 10, 1947.

PN
PIEZO ELECTRIC CRYSTAL

The applicant disclaims the words "Piezo Electric Crystal" apart from the mark.
FOR PIEZOELECTRIC CRYSTALS OF THE TYPE PRIMARY AMMONIUM PHOSPHATE, AND PLATES THEREOF PARTICULARLY FOR USE AS ELECTRO-MECHANICAL TRANSDUCERS AND ELECTRO-OPTICAL SHUTTERS.
Claims use since Aug. 9, 1946.

Ser. No. 545,388. PAR-METAL PRODUCTS CORP., Long Island City and New York, N. Y. Filed Dec. 24, 1947.

PAR-METAL

No claim is made to the word "Metal" apart from the mark.
FOR RELAY RACKS, DESK PANELS, CABINET RACKS, TRANSMITTER RACKS, SLOPING FRONT CABINETS, AMPLIFIER FOUNDATION CHASSIS, SLOPING FRONT AMPLIFIER FOUNDATION CHASSIS, STANDARD AMPLIFIER FOUNDATION CHASSIS, SPEAKER CABINETS, HINGED STEEL CABINETS.
Claims use since June 1927.

Ser. No. 545,558. THE O. A. SUTTON CORPORATION, INC., Wichita, Kans. Filed Dec. 26, 1947.

Vornado

Applicant claims ownership of registration No. 419,118.
FOR ELECTRIC FANS FOR DOMESTIC AND COMMERCIAL USE.
Claims use since Oct. 21, 1947.

Ser. No. 545,980. GLOBE-UNION INC., Milwaukee, Wis. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

ADASHAFT

FOR VARIABLE RESISTANCE DEVICES USED AS VOLUME CONTROLS FOR RADIO RECEIVING SETS.
Claims use since June 15, 1938.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 531,209. HALSAM PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 13, 1947.



Applicant claims ownership of registration No. 134,675.
FOR TOY BUILDING BLOCKS, PLAY BLOCKS, BLOCKS FOR GAMES, CHECKERS, AND DOMINOES.
Claims use since Feb. 25, 1918.

Ser. No. 546,389. W. C. HUNTLEY & K. S. WRIGHT, Portland, Oreg. Filed Jan. 7, 1948.

SPINOBBLER

FOR SPINNERS AND SPOONS.
Claims use since Mar. 1, 1946.

Ser. No. 549,465. RYDEN GOLF CO., INC., Warren, R. I. Filed Feb. 11, 1948.

Coronet

FOR GOLF BALLS.
Claims use since Oct. 28, 1947.

Ser. No. 549,466. RYDEN GOLF CO., INC., Warren, R. I. Filed Feb. 11, 1948.

CORONADO

FOR GOLF BALLS.
Claims use since Nov. 3, 1947.

Ser. No. 549,467. RYDEN GOLF CO., INC., Warren, R. I. Filed Feb. 11, 1948.

CORSAIR

FOR GOLF BALLS.
Claims use since Nov. 3, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 518,443. UNITED ROYALTIES CORPORATION, New York, N. Y. Filed Jan. 22, 1948. Under section 2f of the act of 1946.

LADD

FOR EGG BEATERS; MIXER CHURNS; BEVERAGE BEATERS; FRUIT JUICE EXTRACTORS; AND BREAD SLICERS; ALL OF SAID GOODS FOR HOUSEHOLD USE AND BEING MANUALLY OPERATED.
Claims use since Jan. 1, 1909, on egg beaters; and since Jan. 1, 1926, on other goods named.

Ser. No. 520,845. WESTERN MACHINE TOOL WORKS, Holland, Mich. Filed Aug. 3, 1948. Under section 2f of the act of 1946.

GARVIN

FOR NUT TAPPING MACHINES.
Claims use since Mar. 8, 1926.

Ser. No. 531,779. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Aug. 19, 1947. Under section 2f of the act of 1946.

DIVERSEY

Applicant claims ownership of registrations Nos. 395,187, 500,531, 388,267, 394,386, 393,502, 398,752, 392,442, 415,580, and 271,596.
FOR CAN WASHER SOLUTION FEEDERS AND DISINFECTANT SPRAYERS.
Claims use since Jan. 25, 1940, on can washer solution feeding device; and since Jan. 10, 1929, on disinfectant spraying device.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 518,037. QUEEN MANUFACTURING CO., INC., Chicago, Ill. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

DRI-RITE

FOR DRYING FRAMES—NAMELY, WIRE HOSIERY DRYING FRAMES, AND GLOVE DRYING FRAMES.
Claims use since October 1940.

Ser. No. 543,520. PRESTOPRESS CORPORATION OF AMERICA, Brooklyn, N. Y. Filed Dec. 5, 1947.

PREST-O-PRESS

FOR STEAM PRESSING MACHINES AND PARTS THEREOF, AND PUFF-IRON APPLIANCES AND PARTS THEREOF.
Claims use since June 20, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 527,669. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed July 5, 1947.



The lettering appearing on the figure in the drawing is so much of the word "Chromy" as is visible from the angle from which the figure is viewed.
FOR TEMPERATURE INDICATORS, TEMPERATURE RECORDERS, THERMOSTATS, THERMO-SWITCHES, AND THERMO-RESPONSIVE ELECTRIC CIRCUIT CONTROLS, AND PARTS THEREOF.
Claims use since January 1945.

Ser. No. 528,207. THE HALOID COMPANY, Rochester, N. Y. Filed July 9, 1947.

PRESS BROMIDE

The word "Bromide" per se is disclaimed.
FOR PHOTOGRAPHIC DEVELOPING PAPERS.
Claims use since May 1922.

Ser. No. 532,567. CONTINENTAL SCALE CORPORATION, Chicago, Ill. Filed Aug. 27, 1947.

Stork

Applicant claims exclusive use of the mark.
FOR WEIGHING SCALES.
Claims use since June 1, 1921.

Ser. No. 541,061. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed July 31, 1947.

LOBOY

Applicant claims ownership of registration No. 284,272.
FOR WEIGHING SCALES.
Claims use since Jan. 15, 1931.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 534,908. JOSEPH H. MEYER BROS., Brooklyn, N. Y. Filed Sept. 18, 1947.

Richelieu

Applicant claims ownership of registrations Nos. 89,282 and 400,508.
FOR MEN'S AND WOMEN'S JEWELRY (NOT INCLUDING WATCHES)—NAMELY, NECKLACES, BRACELETS, FINGER RINGS, ORNAMENTAL CLIPS, BROOCHES, EARRINGS, AND COSTUME JEWELRY.
Claims use since Apr. 15, 1911.

Ser. No. 534,909. JOSEPH H. MEYER BROS., Brooklyn, N. Y. Filed Sept. 18, 1947.

Lridelle

Applicant claims ownership of registration No. 392,600.
FOR MEN'S AND WOMEN'S COSTUME JEWELRY (NOT INCLUDING WATCHES)—NAMELY, NECKLACES, BRACELETS, FINGER RINGS, ORNAMENTAL CLIPS, BROOCHES, AND EARRINGS.
Claims use since 1931.

Ser. No. 548,191. SILVERSMITHS, INC., Washington, D. C. Filed Jan. 28, 1948.

Fulfillment

FOR STERLING SILVER FLATWARE AND HOLLOW WARE.
Claims use since Nov. 24, 1947.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 540,970. BAKER BRUSH CO., INC., New York, N. Y. Filed Nov. 13, 1947.



Applicant claims ownership of registration No. 209,770.
FOR PAINT BRUSHES.
Claims use since Sept. 17, 1924.

Ser. No. 540,972. BAKER BRUSH CO., INC., New York, N. Y. Filed Nov. 13, 1947.

WHITEHOUSE

Applicant claims ownership of registration No. 173,736.
FOR PAINT BRUSHES.
Claims use since Aug. 1, 1912.

Ser. No. 542,597. LACTONA INCORPORATED, St. Paul, Minn. Filed Nov. 28, 1947.

Town and Country

FOR HAIR BRUSHES.
Claims use since Sept. 25, 1947.

Ser. No. 543,599. M. GRUMBACHER, INC., New York, N. Y. Filed Dec. 6, 1947.

"HARMONY"

FOR ARTISTS' BRUSHES.
Claims use since Oct. 13, 1932.

Ser. No. 544,055. CLEAN-BE-TWEEN TOOTHBRUSH CORPORATION, Los Angeles, Calif. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

CLEAN-BE-TWEEN

Applicant claims ownership of registration No. 334,252.
FOR TOOTHBRUSHES AND REPLACEABLE TOOTHBRUSH ELEMENTS.
Claims use since May 15, 1926.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 498,743. AKTIESELSKABET BING & GRØNDAHLS PORCELLÆNSFABRIK (PORCELAINFABRIKERNE BING & GRØNDAHL OG NORDEN A/S), Copenhagen, Denmark. Filed July 26, 1947. Under section 2f of the act of 1946.

BING & GRØNDAHL

Priority claimed under section 44d. Applicant claims ownership of Danish registration No. 221/46, dated Feb. 9, 1946.

FOR PORCELAIN AND CROCKERY WARE FOR DOMESTIC AND RESTAURANT USE—NAMELY, DINNER-SERVICES, BREAKFAST-SERVICES, LUNCH-SERVICES, TEA-SERVICES, COFFEE-SERVICES, BOWLS, TUREENS, SAUCE-PANS, JUGS, JARS, MUGS, POTS, SALT-BOXES, SALT-CELLARS, MUSTARD-BOXES, PEPPER-BOXES, SUGAR-BOXES, SUGARBASINS; AND PORCELAIN, STONE-WARE, AND EARTHENWARE, IN THE FORM OF VASES.

Claims use since 1853.

Ser. No. 526,941. CASTLETON CHINA INCORPORATED, New York, N. Y. Filed July 5, 1947. Under section 2f of the act of 1946.

CASTLETON CHINA

Applicant claims ownership of registration No. 394,651.

FOR CHINA TABLEWARE AND CHINA ART OBJECTS NOT ORNAMENTED WITH PRECIOUS METALS—NAMELY VASES AND CENTERPIECES CONSISTING OF A TRAY AND BOWL.

Claims use since Sept. 6, 1940.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 544,337. EDISON CLIMATIC CONTROL REFRIGERATOR CO., Newark, N. J. Filed Dec. 15, 1947.



Applicant disclaims the words "Climatic Control."

FOR ELECTRIC HOUSEHOLD REFRIGERATORS.

Claims use since Aug. 12, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 536,198. CONSIDER H. WILLETT INC., Louisville, Ky. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

Wildwood

Applicant claims ownership of registration No. 414,696.

FOR LIVING ROOM FURNITURE—NAMELY, CHAIRS, SOFAS, TABLES, BOOK CASES, COFFEE TABLES, LOVE SEATS, DESKS AND BOOK RACKS; DINING ROOM FURNITURE—NAMELY, TABLES, CHAIRS, BUFFETS, CORNER CABINETS AND CHINA CUPBOARDS; AND BEDROOM FURNITURE—NAMELY, CHESTS, DRESSERS, VANITIES, BEDS, NIGHT STANDS, AND CHAIRS.

Claims use since Nov. 1, 1941.

Ser. No. 536,199. CONSIDER H. WILLETT INC., Louisville, Ky. Filed Sept. 29, 1947.

Golden Beryl

Applicant claims ownership of registration No. 370,215.

FOR LIVING ROOM FURNITURE—NAMELY, CHAIRS, SOFAS, TABLES, BOOK CASES, COFFEE TABLES, LOVE SEATS, DESKS AND BOOK RACKS; DINING ROOM FURNITURE—NAMELY, TABLES, CHAIRS, BUFFETS, CORNER CABINETS AND CHINA CUPBOARDS; AND BEDFROOM FURNITURE—NAMELY, CHESTS, DRESSERS, VANITIES, BEDS, NIGHT STANDS, AND CHAIRS.

Claims use since Dec. 12, 1938.

Ser. No. 539,169. LEAH A. HIRSCH, doing business as Holdafone Co., Memphis, Tenn. Filed Oct. 27, 1947. Under section 2f of the act of 1946.

HOLDAFONE

Applicant claims ownership of registration No. 366,149.

FOR PORTABLE TELEPHONE STAND.

Claims use since June 15, 1935.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 542,136. INSTO-GAS CORPORATION, Detroit, Mich. Filed Nov. 24, 1947.



The words "Safety, Economy, Portability" and "Gas" are disclaimed apart from the mark. Applicant claims ownership of registration No. 397,160.

FOR BLOW TORCH, SOLDERING IRON TORCH, PLUMBER'S FURNACE, AND SPARE PARTS.

Claims use since 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 539,054. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Oct. 25, 1947. Under section 2f of the act of 1946.

SPEEDER

FOR POWER TRANSMISSION BELTING FOR INDUSTRIAL USE.

Claims use since June 5, 1935.

Ser. No. 539,055. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Oct. 25, 1947.

HETMACO

FOR POWER TRANSMISSION BELTING FOR INDUSTRIAL USE.

Claims use since Jan. 1, 1933.

Ser. No. 542,381. WHITEHALL DISTRIBUTORS, INC., New York, N. Y. Filed Nov. 25, 1947.

RALLY

FOR MOTORCYCLE TIRES, INNER TUBES, AND TIRE REPAIR KITS CONSISTING OF 1 CONTAINER OF RUBBER CEMENT, ASSORTMENT OF PATCHES OF DIFFERENT SIZES, 1 ROUGHING RASP.

Claims use since Nov. 7, 1947.

Ser. No. 547,748. MCCORD CORPORATION, Detroit, Mich. Filed Jan. 22, 1948.

CORDET

FOR SHEET PACKING USEFUL FOR GASKETING PURPOSES AND GASKET MATERIAL MADE OF NON-METALLIC MATERIAL.

Claims use since January 1932.

Ser. No. 550,452. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 24, 1948.

HOMART

FOR GROUP A—FAUCET WASHERS FORMED OF RUBBER, FIBER, AND COMPOSITIONS THEREOF, AND COMBINATIONS OF THE SAME WITH METAL, PACKING (ROPE OAKUM, RUBBER, LEATHER); GROUP B—PACKING (ASBESTOS WICK), PUMP CUP LEATHERS.

Claims use since Jan. 15, 1947, on group A; and since July 15, 1947, on Group B.

Ser. No. 551,546. DURABLA MANUFACTURING COMPANY, New York, N. Y. Filed Mar. 9, 1948.

DURABLA

The lining on the drawing merely indicates shading. Applicant claims ownership of registration No. 73,781.

FOR GASKETS.

Claims use since June 1, 1906.

Ser. No. 552,718. RICHMOND RUBBER COMPANY, INC., Richmond, Va. Filed Mar. 22, 1948.



FOR PNEUMATIC TIRES AND INNER TUBES FOR AUTOMOBILES AND TRUCKS.

Claims use since May 1947.

Ser. No. 555,430. THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed Apr. 23, 1948.

MOHAWKIAN

Applicant claims ownership of registrations Nos. 121,805 and 225,929.

FOR PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES.

Claims use since Apr. 14, 1948.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 528,650. OSCAR SCHMIDT-INTERNATIONAL, INCORPORATED, Jersey City, N. J. Filed July 15, 1947.

UKELIN

FOR MUSICAL INSTRUMENT OF THE ZITHER TYPE HAVING ONE OR MORE BOW-PLAYED STRINGS AND ALSO ONE OR MORE STRINGS SOUNDED BY PLUCKING.
Claims use since May 25, 1925.

CLASS 37

PAPER AND STATIONERY

Ser. No. 542,478. NASHUA GUMMED AND COATED PAPER COMPANY, Nashua, N. H. Filed Nov. 26, 1947.

SUDZY

FOR PAPER BINDING BANDS FOR HOLDING LAUNDERED SHIRTS IN PROPERLY FOLDED CONDITION AND FOR LIKE USES.
Claims use since Nov. 13, 1947.

CLASS 39

CLOTHING

Ser. No. 505,280. JOE BRAND, Laredo, Tex. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

Cabot-Reed

FOR MEN'S CLOTHING—NAMELY, SPORTCOATS, RAINCOATS, OVERCOATS, TOPCOATS, SUITS AND SPORT JACKETS.
Claims use since June 15, 1937.

Ser. No. 529,453. FRANK'S, INC., St. Louis, Mo. Filed July 25, 1947.



Applicant claims ownership of registration No. 93,172.
FOR HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, PARTICULARLY KNITTED HOSIERY, UNDERSHIRTS, VESTS, COATS, PANTS, DRAWERS, AND UNIONSUITS.
Claims use since Oct. 1, 1912.

Ser. No. 532,176. SUTTON SHIRT CORP., New York, N. Y. Filed Aug. 22, 1947. Under section 2f of the act of 1946.

Sutton Sportwear

FOR MEN'S SHIRTS AND SPORT SHIRTS.
Claims use since August 1936.

Ser. No. 532,546. ARKWRIGHT MERCHANDISING CORPORATION, New York, N. Y. Filed Aug. 27, 1947.

ROYAL RIB

The word "Rib" is disclaimed apart from the mark as shown.
FOR MEN'S HOSIERY.
Claims use since Feb. 21, 1940.

Ser. No. 534,435. C. F. HATHAWAY CO., Waterville, Maine. Filed Sept. 13, 1947. Under section 2f of the act of 1946.

DROP-FRONT

Applicant claims ownership of registration No. 386,605.
FOR OUTER SHIRTS.
Claims use since Jan. 15, 1940.

Ser. No. 535,993. PENDLETON WOOLEN MILLS, Pendleton and Portland, Oreg. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

PENDLETON

FOR OUTER SHIRTS, LOUNGING ROBES, TROUSERS AND SLACKS, JACKETS AND BLAZERS, AND MEN'S COATS.
Claims use since Dec. 31, 1910.

Ser. No. 536,178. VALCORT HOSIERY CORPORATION, New York, N. Y. Filed Sept. 29, 1947.

Valcort

FOR LADIES' AND MISSES' HOSIERY.
Claims use since Nov. 7, 1928.

Ser. No. 539,948. EXCELLO CRAVATS INC., New York, N. Y. Filed Nov. 3, 1947.

Scribbles

FOR MEN'S NECKTIES.
Claims use since Sept. 10, 1947.

Ser. No. 541,867. MILES SHOES INCORPORATED, New York, N. Y. Filed Nov. 20, 1947.

Seventeen

Applicant claims ownership of registration No. 436,853.
FOR SHOES, SLIPPERS, AND BOOTS OF LEATHER, FABRIC, OR RUBBER, OR OF COMBINATIONS OF SAID MATERIALS; SPATS, HEELS, HOSIERY, AND SHOE FINDINGS—NAMELY, INNER AND OUTER SOLES, UPPERS, TONGUES, AND TOE CAPS.
Claims use since Jan. 5, 1945.

Ser. No. 550,034. N. EDELSON SONS CORPORATION, New York, N. Y. Filed Feb. 18, 1948.

Lady Edso GOWNS

The word "Gowns" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' SLIPS, NIGHTGOWNS, PAJAMAS, AND CHEMISES.
Claims use since Jan. 2, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 530,290. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y. Filed Aug. 2, 1947. Under section 2f of the act of 1946. The words "The" and "Looms" are disclaimed. Applicant claims ownership of registration No. 134,304.

The Shelton Looms

FOR PILE FABRICS IN THE PIECE OF VARIOUS COMBINATIONS OF MOHAIR, COTTON, WORSTED, ALPACA, RAYON, AND SILK; AND TEXTILE RUGS.
Claims use since January 1910.

Ser. No. 538,484. AMERICAN CONTINENTAL CORPORATION, Paterson, N. J. Filed Oct. 21, 1947.



SERVETEX

FOR PIECE GOODS OF COTTON, SILK, AND WOOL, AND COMBINATIONS THEREOF.
Claims use since Sept. 30, 1944.

Ser. No. 538,825. STUNZI SONS SILK COMPANY, INC., New York, N. Y. Filed October 23, 1947. Under section 2f of the act of 1946.

STÜNZI SILKS

The word "Silks" is disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 310,819 and 235,407.
FOR SILK PIECE GOODS.
Claims use since Oct. 5, 1912.

Ser. No. 549,163. W. LAURENCE MELLOR, doing business as the W. L. Mellor Co., Kansas City, Mo. Filed Feb. 9, 1948.

Vinoplax

FOR COTTON FABRICS IMPREGNATED WITH A PLASTIC WATER-PROOFING MATERIAL.
Claims use since Jan. 1, 1948.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 507,186. HAWAIIAN PINEAPPLE COMPANY, LIMITED, Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Aug. 10, 1946. Under section 2f of the act of 1946.

DOLE

Applicant claims ownership of registrations Nos. 251,010, 302,518, 308,953, 326,934, 326,935, 339,371, 360,188, and 406,088.
FOR CANNED FRUITS, CANNED FRUIT JUICES FOR FOOD PURPOSES, AND FROZEN FRESH FRUIT.
Claims use since 1927.

Ser. No. 510,527. MOREHOUSE MUSTARD MILLS, Los Angeles, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of registration No. 225,297.
FOR PREPARED MUSTARD.
Claims use since June 1, 1908.

Ser. No. 527,409. THE HUMKO CO., Memphis, Tenn. Filed July 5, 1947.

Mell-O-Pop

The syllables "Mell-O" are disclaimed apart from the mark as shown.
FOR POPCORN SEASONING.
Claims use since June 14, 1947.

Ser. No. 532,573. R. U. DELAPENHA & CO., INC., New York, N. Y. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

GODILLOT

Applicant claims ownership of registration No. 408,676.
FOR OLIVE OIL IN TINS AND BOTTLES, BARLE-DUC JELLY, CANNED SLICED CHICKEN MEAT, CANNED CHICKEN GIBLETS, CHICKEN SPREAD, CANNED PUREE OF CHICKEN GIBLET, CHICKEN LIVER PATE, PATE OF MACKEREL IN OLIVE OIL, AND ANTIPASTO HORS D'OEUVRE.
Claims use since 1918.

Ser. No. 533,290. FRUIT GROWERS CO-OPERATIVE, Sturgeon Bay, Wis. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

STURGEON BAY

Applicant claims ownership of registration No. 195,279.
FOR CANNED CHERRIES.
Claims use since Jan. 1, 1917.

Ser. No. 536,079. HARLINGEN CANNING COMPANY, Harlingen, Tex. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

SILVER VALLEY

Applicant claims ownership of registrations Nos. 366,139 and 367,357.
FOR CANNED VEGETABLES, CANNED FRUITS, CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES, TEA, HOMINY, BEANS WITH PORK, AND PEAS WITH PORK.
Claims use since Feb. 7, 1938.

Ser. No. 536,088. G. W. HUME COMPANY, Turlock, Calif.

Hume

Filed Sept. 29, 1947. Under section 2f of the act of 1946.
Applicant claims ownership of registration No. 210,305.
FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since 1864.

Ser. No. 536,690. THE ILLINOIS CANNING CO., Hoopeston, Ill. Filed Oct. 3, 1947. Under section 2f of the act of 1946.



The female representation is fanciful. Applicant claims ownership of registrations Nos. 23,481 and 230,873.
FOR CANNED VEGETABLES, CANNED PORK AND BEANS, AND CANNED TOMATO JUICE.
Claims use since 1891.

Ser. No. 538,813. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Oct. 23, 1947. Under section 2f of the act of 1946.

Ry-Krisp

Applicant claims ownership of registrations Nos. 44,127 (expired), 44,781 (expired), 172,490, and 216,163.
FOR SCANDINAVIAN STYLE BREAD.
Claims use since Dec. 5, 1904.

Ser. No. 539,204. PARAMOUNT CANNING COMPANY, Haines City, Fla., assignor to Earle T. Myers, Haines City, Fla. Filed Oct. 27, 1947.

SHORTY

FOR CANNED CITRUS JUICES.
Claims use since Sept. 22, 1947.

Ser. No. 539,335. MOR-PAK PRESERVING CORPORATION, San Francisco, Calif. Filed Oct. 28, 1947.

Delhi

FOR CANNED FRUIT.
Claims use since June 20, 1932.

Ser. No. 543,324. THE PHILADELPHIA CHEWING GUM CORPORATION, Philadelphia, Pa. Filed Dec. 4, 1947.

LOTTO

FOR CHEWING GUM.
Claims use since July 1, 1947.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 531,985. ARTISTS TECHNICAL SUPPLY CO., Los Angeles, Calif. Filed Oct. 2, 1947.

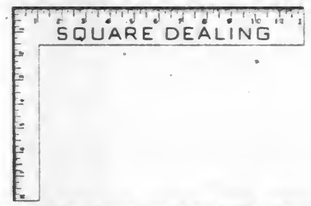


The words "Artist's Manikin" are disclaimed apart from the mark.
FOR ARTIST'S MANIKINS.
Claims use since Aug. 18, 1947.

CLASS 55

SERVICES

Ser. No. 548,198. MORRISON I. TAYLOR, INC., Jacksonville, Fla. Filed Jan. 28, 1948. SERVICE MARK. Under section 2f of the act of 1946.



FOR REAL ESTATE BROKERAGE SERVICE AND THE WRITING OF AUTOMOBILE INSURANCE, FIDELITY INSURANCE, CASUALTY INSURANCE, MARINE INSURANCE, FIRE INSURANCE, AND PERSONAL PROPERTY FLOATER INSURANCE.
Claims use since Feb. 18, 1920.

Ser. No. 549,840. PORTABLE SEISMOGRAPH, INC., San Antonio, Tex. Filed Feb. 16, 1948. SERVICE MARK.



No claim is made to the words "Portable Seismograph Inc." apart from the mark.
FOR OIL EXPLORATION SERVICE RENDERED TO OIL COMPANIES, INVOLVING THE OBTAINING OF SUBSURFACE INFORMATION AS TO THE LOCATION OF OIL, GAS AND MINERALS AND THE INTERPRETATION OF SUCH INFORMATION.
Claims use since Oct. 16, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,670. HAIR LOTIONS AND SCALP MASSAGE CREAM. VICTOR LEON, Waterbury, Conn.
Filed May 12, 1944. Serial No. 470,203. PUBLISHED DECEMBER 26, 1944. Class 6.

441,671. INSULATED ELECTRIC WIRE STRANDS EQUIPPED WITH TERMINALS THEREFOR. FARADAY ELECTRIC CORPORATION, Adrian, Mich., now by change of name Sperti Faraday Inc., a corporation of Ohio.
Filed November 18, 1944. Serial No. 476,605. PUBLISHED FEBRUARY 3, 1948. Class 21.

441,672. SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF FOR WOMEN, MISSES, AND GROWING GIRLS, EXCLUDING SHOES FOR BEACH WEAR. A. SANDLER CO., Boston, Mass.
Filed March 8, 1945. Serial No. 480,679. PUBLISHED JANUARY 6, 1948. Class 39.

441,673. CASINGS FOR THE ELECTRICAL EQUIPMENT OF MOTORS AND SIMILAR POWER APPARATUS TO PREVENT ELECTRICAL EMANATIONS FROM LEAVING OR OUTSIDE ELECTRICAL IMPULSES FROM AFFECTING SAID EQUIPMENT, ELECTRIC CONNECTORS, SWITCHES, JUNCTION BOXES, FUSE BOXES, RESISTOR BOXES, AND TERMINAL BOXES. BREEZE CORPORATIONS, INC., Newark, N. J.
Filed May 10, 1945. Serial No. 483,167. PUBLISHED SEPTEMBER 21, 1948. Class 21.

441,674. SCREW MACHINE PRODUCTS—NAMELY, ADAPTORS, DETACHABLE STEM TAIL BODIES, PRIMER BODIES, DELAY CHARGE HOLDERS, ETC. U. S. AUTOMATIC CORPORATION, Amherst, Ohio.
Filed July 19, 1945. Serial No. 486,011. PUBLISHED SEPTEMBER 21, 1948. Class 9.

441,675. BUFFET SERVICE SETS CONSISTING OF ELECTRICAL APPLIANCES—NAMELY, TOASTERS, COFFEE MAKERS, AND ANCILLARY EQUIPMENT CONSISTING OF DISHES, AND A TRAY THEREFOR. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., now by change of name Sunbeam Corporation.
Filed September 10, 1945. Serial No. 488,196. PUBLISHED SEPTEMBER 21, 1948. Class 21.

441,676. BLEACHED SULPHITE PULP FOR THE MANUFACTURE OF PAPER AND RAYON. AKTIEBOLAGET MÖLNBACKA-TRYSIL, Forshaga, Sweden.
Filed October 29, 1945. Serial No. 490,616. PUBLISHED SEPTEMBER 21, 1948. Class 1.

441,677. TIRE CHAINS AND METAL INDUSTRIAL CHAINS—NAMELY, LOG CHAINS, CRANE CHAINS, FARM CHAINS, DREDGING CHAINS, AND RAILROADING CHAINS. THE MCKAY COMPANY, Pittsburgh, Pa.
Filed November 14, 1945. Serial No. 491,580. PUBLISHED SEPTEMBER 21, 1948. Class 13.

441,678. TEXTILE FABRICS IN THE PIECE, OF COTTON, WOOL, SILK, RAYON, AND NYLON, IN COMBINATION WITH METALLIC FOIL, FOR USE IN MAKING UP INTO DRAPERIES, COSTUMES, AND FOR ALLIED USES. REYNOLDS METALS COMPANY, Richmond, Va.
Filed January 19, 1946. Serial No. 495,097. PUBLISHED MARCH 9, 1948. Class 42.

441,679. BASE METAL COOKING AND TABLE HOLLOW WARE—NAMELY, A NON-ELECTRIC UTENSIL FOR USE IN BROILING STEAKS, CHOPS, AND THE LIKE, AND SERVING THE SAME AT THE TABLE, SUCH UTENSILS BEING PARTICULARLY CHARACTERIZED BY THE ABSENCE THEREFROM OF HEATING MEANS AS A PART THEREOF, ETC. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill.
Filed January 24, 1946. Serial No. 495,270. PUBLISHED FEBRUARY 10, 1948. Class 13.

441,680. ELECTRO-MECHANICAL DRIVES FOR SEWING MACHINES AND THE LIKE, ETC. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J.
Filed March 12, 1946. Serial No. 498,089. PUBLISHED SEPTEMBER 21, 1948. Class 21.

441,681. SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF. DALY BROS. SHOE CO., INC., Boston, Mass.
Filed March 13, 1946. Serial No. 498,120. PUBLISHED SEPTEMBER 21, 1948. Class 39.

441,682. SEMI-LIQUID FLOOR RESURFACING MATERIAL, HAVING AN ASPHALTIC BASE AND ADAPTED FOR USE WITH WOOD, CONCRETE, AND/OR COMPOSITION FLOORS. CARL M. SHELTON, doing business as Plystone Company, Columbia, S. C.
Filed March 14, 1946. Serial No. 498,259. PUBLISHED MAY 6, 1947. Class 12.

441,683. INSTRUMENTS FOR DRAFTSMEN—NAMELY, TRIANGLES, DRAFTING STENCILS, AND PROTRACTORS. PAUL F. BOEHM, doing business as Instrumaster Industries, Greenwich, Conn.
Filed March 22, 1946. Serial No. 498,750. PUBLISHED SEPTEMBER 21, 1948. Class 26.

441,684. INSTRUMENTS FOR DRAFTSMEN—NAMELY, TRIANGLES, DRAFTING STENCILS, AND PROTRACTORS. PAUL F. BOEHM, doing business as Instrumaster Industries, Greenwich, Conn.
Filed March 22, 1946. Serial No. 498,751. PUBLISHED SEPTEMBER 21, 1948. Class 26.

441,685. SKEWERS. JAMES J. JACOBSON, New York, N. Y.
Filed March 29, 1946. Serial No. 499,237. PUBLISHED SEPTEMBER 21, 1948. Class 13.

441,686. READY-MIXED AND PASTE PAINTS, VARNISHES, AND PAINT ENAMELS. SUNDURE PAINT CORPORATION, Syracuse, N. Y.
Filed April 1, 1946. Serial No. 499,444. PUBLISHED JANUARY 7, 1947. Class 16.

441,687. PIECE GOODS MADE OF COTTON. ROOSEN SILKS LIMITED, London, England.
Filed May 17, 1946. Serial No. 502,334. PUBLISHED JUNE 3, 1947. Class 42.

441,688. TOY AIRPLANES, DARTS, AND FLYING PROJECTILES ATTACHED TO A STICK TO BE WHIPPED THROUGH THE AIR BY WHICH THE TOY IS PROJECTED BY CENTRIFUGAL FORCE. ARTHUR J. SADONY, doing business as Educational Research Laboratories, Montague, Mich.
Filed May 24, 1946. Serial No. 502,720. PUBLISHED SEPTEMBER 7, 1948. Class 22.

441,689. SAFETY NUTS. SOCIÉTÉ "SÉCURIT'S E. D. L. C., Paris, France.
Filed May 27, 1946. Serial No. 502,851. PUBLISHED SEPTEMBER 21, 1948. Class 13.

441,690. CLEANING FLUID FOR USE IN REMOVING SPOTS FROM CLOTHING AND FOR GENERAL HOUSEHOLD SPOT REMOVER USE. INDUSTRIAL OIL CORPORATION, Warren, Pa.
Filed June 20, 1946. Serial No. 504,275. PUBLISHED FEBRUARY 17, 1948. Class 4.

441,691. THERMOPLASTIC WAX SOLD IN SLAB FORM, ADAPTED TO BE MELTED AND USED AS A PROTECTIVE COATING FOR ARTICLES OF FOOD AND THE LIKE. MARVIN E. WALLIS, Salt Lake City, Utah.
Filed July 10, 1946. Serial No. 505,373. PUBLISHED SEPTEMBER 7, 1948. Class 6.

441,692. TOY METAL BUILDING SETS. URBANA MANUFACTURING COMPANY, Urbana, Ohio.
Filed August 15, 1946. Serial No. 507,498. PUBLISHED SEPTEMBER 7, 1948. Class 22.

441,693. MEDICINAL COMPRISING SOLUBLE BARBITAL FOR USE AS A SEDATIVE. SCHERING & GLATZ, INC., New York, N. Y., assignor to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware.
Filed August 23, 1946. Serial No. 507,941. PUBLISHED SEPTEMBER 21, 1948. Class 6.

441,694. TOYS — NAMELY, CONSTRUCTION AND PUZZLE TOYS. PLASTOMIC PRODUCTS CO., INC., New York, N. Y.
Filed August 29, 1946. Serial No. 508,243. PUBLISHED SEPTEMBER 7, 1948. Class 22.

441,695. NONELECTRIC COFFEE POTS AND COFFEE MAKERS OF THE VACUUM AND PERCOLATING TYPES, DOUBLE BOILERS, ETC. NICRO STEEL PRODUCTS, INCORPORATED, Chicago, Ill.
Filed September 5, 1946. Serial No. 508,544. PUBLISHED SEPTEMBER 14, 1948. Class 13.

441,696. COD LIVER OILS AND BY-PRODUCTS THEREOF USED IN RESPECT OF PHARMACEUTICAL AND VETERINARY PURPOSES. BRITISH COD LIVER OILS (HULL & GRIMSBY) LIMITED, Hull, England.
Filed September 20, 1946. Serial No. 509,393. PUBLISHED SEPTEMBER 21, 1948. Class 6.

441,697. GENERAL PURPOSE CHAINS. THE COLUMBUS MCKINNON CHAIN CORPORATION, Tonawanda, N. Y.
Filed October 8, 1946. Serial No. 510,425. PUBLISHED SEPTEMBER 14, 1948. Class 13.

441,698. MEDICATED CLOTH FOR TREATMENT OF THE SKIN. MILDRED S. RUBEY, Jeffersonville, Ind.
Filed November 4, 1946. Serial No. 512,022. PUBLISHED SEPTEMBER 14, 1948. Class 6.

441,699. FIRE HOSE. LIBERTY FIRE APPARATUS CO., INC., Roanoke, Va.
Filed November 5, 1946. Serial No. 512,067. PUBLISHED SEPTEMBER 21, 1948. Class 35.

441,700. CARBON PAPER, TYPEWRITER RIBBONS, AND DUPLICATOR INKS. RED FEATHER PRODUCTS LTD., Redwood City, Calif., assignor to Red Feather Products Ltd., Redwood City, Calif., a corporation of California.
Filed November 2, 1946. Serial No. 512,143. PUBLISHED SEPTEMBER 21, 1948. Class 11.

441,701. HATS FOR MEN AND WOMEN. SOCIETE A RESPONSABILITE LIMITEE: SOCIETE CHAPELIERE DE BEAUVAIS, Paris, France.
Filed November 15, 1946. Serial No. 512,715. PUBLISHED SEPTEMBER 7, 1948. Class 39.

441,702. SOLDER. WILLIAM L. ULMER, doing business as Superior Flux Company, Cleveland, Ohio.
Filed November 19, 1946. Serial No. 512,874. PUBLISHED SEPTEMBER 7, 1948. Class 14.

441,703. MEN'S AND BOYS' SUITS, TROUSERS AND SPORTSWEAR—NAMELY, SPORT SHIRTS AND SLACKS. DAN-MAR TROUSER COMPANY, Baltimore, Md.
Filed November 22, 1946. Serial No. 513,032. PUBLISHED SEPTEMBER 7, 1948. Class 39.

441,704. MODEL OR MINIATURE RAILWAY CARS AND EQUIPMENT FOR USE AS TOYS. MANTUA METAL PRODUCTS COMPANY, Woodbury Heights, N. J., assignor to Mantua Metal Products Co., Inc., Woodbury Heights, N. J., a corporation of New Jersey.
Filed November 27, 1946. Serial No. 513,323. PUBLISHED SEPTEMBER 7, 1948. Class 22.

441,705. FISHING RODS AND POLES, FISHING REELS, FISHING LINES, HOOKS, SINKERS, ARTIFICIAL FISH BAIT, FLOATS, BAIT BOXES, LEADERS, FISH NETS, SPINNERS, FISHING SPEARS, FISHING FLIES. HORROCKS-IBBOTSON COMPANY, Utica, N. Y.
Filed November 29, 1946. Serial No. 513,418. PUBLISHED SEPTEMBER 7, 1948. Class 22.

441,706. PERFUMES. VOLAY OF PARIS COMPANY, Kalamazoo, Mich.
Filed December 12, 1946. Serial No. 514,156. PUBLISHED JANUARY 6, 1948. Class 6.

441,707. PAINT ENAMEL FINISH, LACQUER, AND VARNISH. ARTO MANUFACTURING CO., Philadelphia, Pa.
Filed December 31, 1946. Serial No. 515,063. PUBLISHED AUGUST 10, 1948. Class 16.

441,708. SHOES, MADE OF LEATHER, FABRIC, RUBBER, AND/OR ANY COMBINATION THEREOF. CANNON SHOE COMPANY, Baltimore, Md.
Filed December 31, 1946. Serial No. 515,069. PUBLISHED SEPTEMBER 21, 1948. Class 39.

441,709. PICTURE HANGERS. FRANKLIN PICTURE FRAME CO., Chicago, Ill.
Filed January 8, 1947. Serial No. 515,418. PUBLISHED SEPTEMBER 21, 1948. Class 13.

441,710. SURGICAL LUBRICANT. RUTLEE CHEMICAL COMPANY, INC., Perth Amboy, N. J., and Washington, D. C.
Filed January 15, 1947. Serial No. 515,794. PUBLISHED AUGUST 24, 1948. Class 6.

441,711. SENSITIZED PHOTOGRAPHIC PAPERS, PLATES, FILMS, ROLLFILMS, PORTRAIT FILMS, STUDIO FILMS, ETC. GEVAERT PHOTO PRODUCTEN, N. V., Antwerp, Belgium.
Filed January 22, 1947. Serial No. 516,127. PUBLISHED SEPTEMBER 21, 1948. Class 26.

441,712. TOY TELEPHONES. TEKSUN, INC., West Los Angeles, Calif.
Filed January 30, 1947. Serial No. 516,647. PUBLISHED SEPTEMBER 7, 1948. Class 22.

441,713. MEN'S OUTER SHIRTS. JAROD MANUFACTURING CORP., Rockville Centre, N. Y.
Filed February 7, 1947. Serial No. 517,137. PUBLISHED SEPTEMBER 21, 1948. Class 39.

441,714. AFTER SHAVING LOTION, AFTER SHAVING SKIN CREAM, BATH SALT, BEFORE DRY SHAVING LOTION, BRILLIANTINE, COLD CREAM, CREAM NAIL ENAMEL, HAIR DRESSING PREPARATION, NAIL POLISH REMOVER, PERFUME, TALCUM POWDER, TOILET WATER, VANISHING CREAM. PARFA PARFUMERIE UND KOSMETIK, A. G., Zurich, Switzerland.
Filed February 15, 1947. Serial No. 517,583. PUBLISHED SEPTEMBER 21, 1948. Class 6.

441,715. ANTIBACTERIAL PREPARATIONS. EATON LABORATORIES, INC., Norwich, N. Y.
Filed February 20, 1947. Serial No. 517,837. PUBLISHED OCTOBER 7, 1947. Class 6.

441,716. ASSISTANTS USEFUL IN DYEING PROCEDURES AND TEXTILE PROCESSING. ARKANSAS COMPANY, INC., Newark, N. J.
Filed February 24, 1947. Serial No. 517,954. PUBLISHED SEPTEMBER 7, 1948. Class 6.

441,717. HAND CREAM. FRANK STEVEN COSMETIC CORPORATION, Chicago, Ill., assignor to Sol Morton.
Filed February 24, 1947. Serial No. 518,057. PUBLISHED SEPTEMBER 7, 1948. Class 6.

441,718. FLOATABLE TOYS COMPRISING VARIOUS SHAPES—NAMELY, ANIMAL FIGURES, DOLL-LIKE FIGURES, GEOMETRIC FIGURES, AND BOATS. ELISCU & COMPANY, INC., New York, N. Y.
Filed February 25, 1947. Serial No. 518,074. PUBLISHED SEPTEMBER 7, 1948. Class 22.

441,719. PLASTIC MATERIAL IN SHEET, ROD, AND TUBE FORM, USED IN THE FABRICATION OF AIRCRAFT ENCLOSURES, SAFETY SHIELDS, FURNITURE, WALL PANELS, NOVELTIES, ILLUMINATING ACCESSORIES, MODELS, DIALS, TABLEWARE, AND DECORATIVE ACCESSORIES. PLASTIC GLASS CORPORATION, Brooklyn, N. Y.
Filed March 14, 1947. Serial No. 519,026. PUBLISHED SEPTEMBER 21, 1948. Class 1.

441,720. CHILDREN'S, BOYS', YOUTHS', GIRLS', AND MISSES' PLAY AND SCHOOL TOGS—NAMELY, PANTS, JUMPERS, SHORTS, SHIRTS, SKIRTS, COATS AND JACKETS, DUNGAREES; RAINWEAR—NAMELY, RAINCOATS, SPORT JACKETS, HATS AND CAPS MADE OF WATER-REPELLENT FABRICS; HEADWEAR—NAMELY, TOPPERS, CAPS AND HELMETS; PAJAMAS, AND UNDERWEAR. WINNER, INC., Berne, Ind.
Filed March 20, 1947. Serial No. 519,368. PUBLISHED SEPTEMBER 21, 1948. Class 39.

441,721. SYNTHETIC TYPE OF SOAP AND GREASE REMOVER. RED SPOT PAINT & VARNISH CO., INC., Evansville, Ind.
Filed April 14, 1947. Serial No. 520,650. PUBLISHED SEPTEMBER 14, 1948. Class 4.

441,722. ZINC CALCIUM RESINATE USED PRINCIPALLY IN COATING AND PLASTIC COMPOSITIONS INCLUDING PRINTING INKS. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed April 18, 1947. Serial No. 520,966. PUBLISHED SEPTEMBER 21, 1948. Class 1.

441,723. TOY COASTER WAGONS. ACME MACHINE & FABRICATION CO., Birmingham, Ala.
Filed April 24, 1947. Serial No. 521,232. PUBLISHED SEPTEMBER 7, 1948. Class 22.

441,724. NECKTIES. JOSEPH W. LESS, doing business as Ty-Self Tie Co., Fulton, Ill.
Filed April 29, 1947. Serial No. 521,526. PUBLISHED SEPTEMBER 21, 1948. Class 39.

441,725. RADIO RECEIVING SETS. HAL G. SHERRY, Los Angeles, Calif.
Filed May 10, 1947. Serial No. 522,216. PUBLISHED SEPTEMBER 21, 1948. Class 21.

441,726. THERMOSTATIC CONTROL VALVE FOR HOT WATER HOUSE HEATING SYSTEMS. TACO HEATERS, INCORPORATED, Providence, R. I.
Filed May 12, 1947. Serial No. 522,235. PUBLISHED SEPTEMBER 21, 1948. Class 26.

441,727. WESTERN STYLE DUNGAREES AND PANTS. BLUE BELL, INC., Greensboro, N. C.
Filed May 17, 1947. Serial No. 522,610. PUBLISHED DECEMBER 16, 1947. Class 39.

441,728. CHEMICAL DYESTUFFS. E. SONNENSCHEIN & CO., INC., New York, N. Y.
Filed May 17, 1947. Serial No. 522,614. PUBLISHED SEPTEMBER 21, 1948. Class 6.

441,729. WIRE FENCING. THE COLORADO FUEL AND IRON CORPORATION, Denver, Colo.
Filed June 6, 1947. Serial No. 523,649. PUBLISHED SEPTEMBER 14, 1948. Class 13.

441,730. SOAPS, AND SHAVING CREAMS AND SOAPS. COURTLEY, LTD., New York, N. Y.
Filed June 17, 1947. Serial No. 524,302. PUBLISHED SEPTEMBER 14, 1948. Class 4.

441,731. SHAVING CREAMS. COURTLEY, LTD., New York, N. Y.
Filed June 17, 1947. Serial No. 524,303. PUBLISHED SEPTEMBER 14, 1948. Class 4.

441,732. LADIES' HATS. GREENBERG-FISCH HAT CO., New York, N. Y.
Filed June 19, 1947. Serial No. 524,454. PUBLISHED SEPTEMBER 7, 1948. Class 39.

441,733. STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa.
Filed June 25, 1947. Serial No. 524,776. PUBLISHED AUGUST 31, 1948. Class 14.

441,734. COMPOSITIONS FOR CLEANING WATER COOLING SYSTEMS IN INTERNAL COMBUSTION ENGINES; COMPOSITIONS FOR SEALING LEAKS IN RADIATORS USED IN THE COOLING SYSTEMS OF INTERNAL COMBUSTION ENGINES, ETC. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed June 25, 1947. Serial No. 524,827. PUBLISHED AUGUST 24, 1948. Class 6.

441,735. LADIES' SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. PALTER DE LISO, INC., New York, N. Y.
Filed June 30, 1947. Serial No. 525,198. PUBLISHED SEPTEMBER 21, 1948. Class 39.

441,736. DOLLS. ALINE MARGARET REISTER, Detroit, Mich.
Filed July 2, 1947. Serial No. 525,679. PUBLISHED SEPTEMBER 7, 1948. Class 22.

441,737. CHEMICAL PREPARATION ESPECIALLY DESIGNED FOR TEMPORAY RELIEF OF STOMACH DISTRESS DUE TO HYPERACIDITY, SOUR STOMACH, GAS BLOATING, AND HEARTBURN. FRANK M. FAHRBACH, doing business as Fahrbach Chemical Company, Newton, Miss.
Filed July 3, 1947. Serial No. 525,811. PUBLISHED AUGUST 24, 1948. Class 6.

441,738. ASBESTOS, DUCK, FIBROUS, LEATHER, RUBBER, AND METAL PACKINGS. CHARLES H. ZIMMERMAN, doing business under the name of Zimmerman Packing Company, Cincinnati, Ohio.
Filed July 3, 1947. Serial No. 526,180. PUBLISHED SEPTEMBER 14, 1948. Class 35.

441,739. SCREENING MADE OF PLASTIC YARN USED FOR WINDOW SCREENS. WM. RICHMAN SUPPLY CORP., New York, N. Y.
Filed July 4, 1947. Serial No. 526,293. PUBLISHED SEPTEMBER 21, 1948. Class 13.

ACT OF 1920

These registrations are not subject to opposition.

441,740. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MERITA, INC., New York, N. Y. Filed Oct. 5, 1946. Serial No. 510,333.

PUFF 'N PAT

FOR POWDER MITTS, AND PUFFS.
Claims use since May 6, 1946.

441,741. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) SHAIN & COMPANY, INC., Boston, Mass. Filed May 3, 1947. Serial No. 521,832.

Glitter-weave

FOR TEXTILE FABRICS, WOVEN WITH WARP AND FILLING MADE FROM COTTON, RAYON, SILK, AND WOOL, OR COMBINATIONS THEREOF, SOLD IN THE PIECE.
Claims use since Dec. 20, 1946.

ACT OF 1946, PRINCIPAL REGISTER

505,131. COLD FINISHED STEEL BARS, AIRCRAFT STRIP STEEL, COLD ROLLED STRIP STEEL, ETC. GENERAL STEEL WAREHOUSE CO., INC., Chicago, Ill.
Filed February 2, 1948. Serial No. 491,474. PUBLISHED AUGUST 31, 1948. Class 14.

505,132. HAT BODIES MADE OF STRAW OR OF FELT. HENRY POLLAK, INC., New York, N. Y.
Filed February 9, 1948. Serial No. 499,658. PUBLISHED JULY 20, 1948. Class 39.

505,133. DYNAMIC BALANCING MACHINES. THE GLOBE TOOL & ENGINEERING COMPANY, Dayton, Ohio.
Filed August 8, 1947. Serial No. 500,076. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,134. MICROMETERS. EARL J. WELLS, doing business as Wells Mfg. Co., Comptche, Calif.
Filed August 15, 1947. Serial No. 504,954. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,135. REENFORCED TUBING MADE OF SYNTHETIC RUBBER, WITH ATTACHMENT FITTINGS FIXED FOR GAS, OIL, GREASE, AND VACUUM LINES. WINKENWEDER & LADD, INC., Chicago, Ill.
Filed November 5, 1947. Serial No. 507,952. PUBLISHED SEPTEMBER 21, 1948. Class 35.

505,136. SLIDE AND MOTION PICTURE FILMS. MERVIN W. LA RUE, Chicago, Ill.
Filed September 16, 1947. Serial No. 509,093. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,137. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER TOP LIFTS AND HEELS. HARRY FREEDMAN, doing business as The Boston Top Lift Company, Boston, Mass.
Filed September 10, 1947. Serial No. 509,629. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,138. CAMERAS AND PROJECTORS FOR MOTION PICTURE AND STILL PICTURE PHOTOGRAPHY, AND PARTS THEREOF, AND SENSITIZED PHOTOGRAPHIC PAPER AND PHOTOGRAPHIC FILM. CAMERAFLEX CORP., New York, N. Y.
Filed July 30, 1947. Serial No. 509,915. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,139. FERROUS CASTINGS. LAKESIDE MALLEABLE CASTINGS COMPANY, Racine, Wis.
Filed September 10, 1947. Serial No. 510,258. PUBLISHED SEPTEMBER 7, 1948. Class 14.

505,140. CHILDREN'S SHOES. THE SCHIFF COMPANY, Columbus, Ohio, now by change of name Shoe Corporation of America, a corporation of Ohio.
Filed August 29, 1947. Serial No. 510,280. PUBLISHED AUGUST 31, 1948. Class 39.

505,141. FOLLOWING ITEMS MADE WHOLLY OR IN PART FROM RUBBER OR RUBBER SUBSTITUTES OR FROM SYNTHETIC RESINS: NONMETALLIC WASHERS; NONMETALLIC FAUCET CUSHIONS, ETC. ARROWHEAD RUBBER COMPANY, Vernon, Calif.
Filed July 5, 1947. Serial No. 510,994. PUBLISHED SEPTEMBER 21, 1948. Class 35.

505,142. LIQUID LEVEL INDICATORS FOR TANKS. SCULLY SIGNAL COMPANY, Cambridge, Mass.
Filed October 10, 1947. Serial No. 511,507. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,143. CHILDREN'S BIBS, APRONS, AND BIB-APRONS. GEORGE EARL MCKEWEN, doing business as Carner & McKewen, Baltimore, Md.
Filed October 10, 1947. Serial No. 513,187. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,144. CLEANSER IN LIQUID FORM FOR REMOVING MILKSTONE. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed August 2, 1947. Serial No. 513,810. PUBLISHED SEPTEMBER 14, 1948. Class 4.

505,145. TEMPERATURE RESPONSIVE CIRCUIT CONTROL SWITCHES. THEODORE O. BLOMGREN, St. Louis Park, Minn.
Filed July 26, 1947. Serial No. 514,933. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,146. ELECTRIC EQUIPMENT AND PARTS THEREFOR—NAMELY, ELECTRICAL CABLE CONNECTORS, ETC. JAMES H. CANNON, doing business as Cannon Electric Development Company, Los Angeles, Calif.
Filed September 27, 1947. Serial No. 516,460. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,147. PENICILLIN, FOR USE IN TREATMENT OF COWS AND OTHER MILK-PRODUCING ANIMALS. SCHENLEY LABORATORIES, INC., New York, N. Y.
Filed April 15, 1948. Serial No. 516,581. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,148. PENICILLIN, FOR USE IN THE TREATMENT OF POULTRY. SCHENLEY LABORATORIES, INC., New York, N. Y.
Filed March 10, 1948. Serial No. 516,582. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,149. CHEMICALLY NEUTRAL AQUEOUS PASTE CONTAINING 25 TO 30 PER CENT OF A SULFONATED FATTY ACID AMIDE, USED AS A SPOT REMOVER AND DETERGENT FOR FABRICS AND TEXTILE GOODS, AND FOR ALL DETERGENT PURPOSES WHICH EXCLUDE THE USE OF ALKALINE SOLUTIONS FOR CLEANING. AMERICAN OIL AND DISINFECTANT CORP., New York, N. Y.
Filed January 19, 1948. Serial No. 516,656. PUBLISHED AUGUST 3, 1948. Class 4.

505,150. PRESSURE COOKERS AND CANNERS. LAKESIDE ALUMINUM COMPANY, North Menomonie, Wis.
Filed August 28, 1947. Serial No. 516,703. PUBLISHED SEPTEMBER 21, 1948. Class 13.

505,151. SEPARABLE HOSE COUPLINGS, AND HOSE MENDERS, THE LATTER IN THE NATURE OF INSEPARABLE COUPLINGS, FOR GARDEN AND OTHER HOSE. W. D. ALLEN MANUFACTURING CO., Chicago, Ill.
Filed August 28, 1947. Serial No. 517,447. PUBLISHED SEPTEMBER 14, 1948. Class 13.

505,152. PIECE GOODS—NAMELY, SILK SHANTUNG, AND SILK AND ACETATE SHANTUNG. JULIUS N. WERK FABRICS, INC., New York, N. Y.
Filed December 2, 1947. Serial No. 517,538. PUBLISHED SEPTEMBER 7, 1948. Class 42.

505,153. CRIBBAGE BOARDS. THE CRIB-DERBY CO., St. Paul, Minn.
Filed January 19, 1948. Serial No. 517,836. PUBLISHED SEPTEMBER 7, 1948. Class 22.

505,154. HOPS. ELIAS EPPS, doing business as Pacific Hop Exchange, Detroit, Mich.
Filed October 25, 1947. Serial No. 518,394. PUBLISHED SEPTEMBER 21, 1948. Class 1.

505,155. VALVE STEM OPERATING MECHANISM FOR FLUID CONTROL VALVES. EDWARD VALVES, INC., East Chicago, Ind.
Filed July 24, 1947. Serial No. 519,383. PUBLISHED SEPTEMBER 14, 1948. Class 13.

505,156. VITAMIN PREPARATION, IN TABLET FORM. RALH I. GUY, doing business as The Rig Company, Glendale, Calif.
Filed January 27, 1948. Serial No. 520,101. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,157. MEN'S TOPCOATS AND OVERCOATS. FRANK BROS.-NEPTUNE MFG. CO., Louisville, Ky.
Filed February 17, 1948. Serial No. 521,125. PUBLISHED SEPTEMBER 21, 1948. Class 39.

505,158. OPTICAL FRAMES. MARINE OPTICAL MFG. CO., Boston, Mass.
Filed October 9, 1947. Serial No. 522,060. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,159. LEATHER SHOES. J. EDWARDS & CO., Philadelphia, Pa.
Filed July 12, 1947. Serial No. 522,731. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,160. ELECTRICAL APPLIANCES — NAMELY, ELECTRIC MOTORS, INTERFERENCE ELIMINATORS, RADIO FILTERS, CONDENSERS, CIRCUIT PROTECTORS, AND THE PARTS THEREOF. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich.
Filed July 9, 1947. Serial No. 523,146. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,161. STRAW AND FELT HAT BODIES. HENRY POLLAK, INC., New York, N. Y.
Filed January 19, 1948. Serial No. 524,326. PUBLISHED JULY 20, 1948. Class 39.

505,162. MEN'S, WOMEN'S, AND CHILDREN'S WORK CLOTHES—NAMELY, DUNGAREES, OVERALLS, AND COVERALLS. THE SALEM COMPANY, INCORPORATED, Winston-Salem, N. C.
Filed September 16, 1947. Serial No. 525,496. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,163. MEDICATED CORN, CALLOUS AND BUNION PADS, PLASTERS, SALVES, ETC. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill.
Filed July 5, 1947. Serial No. 526,610. PUBLISHED AUGUST 31, 1948. Class 6.

505,164. LEATHER FIBRE DUST GUARDS AND WEDGES FOR USE IN THE JOURNAL BOXES OF RAILROAD CARS AND LOCOMOTIVES. GEORGE O. JENKINS COMPANY, Bridgewater, Mass.
Filed July 5, 1947. Serial No. 526,667. PUBLISHED SEPTEMBER 21, 1948. Class 35.

505,165. RADIO RECEIVING SETS, TELEVISION RECEIVING SETS, AND ELECTRICAL PHONOGRAPHS. SONORA RADIO & TELEVISION CORPORATION, Chicago, Ill.
Filed July 5, 1947. Serial No. 526,696. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,166. BICARBONATE OF SODA (BAKING SODA), FOR USE AS A DETERGENT, CLEANING, AND WASHING AGENT. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,748. PUBLISHED SEPTEMBER 21, 1948. Class 4.

505,167. DAIRY FEED CALCULATING CHART, ETC. KASCO MILLS, INC., Waverly, N. Y.
Filed July 5, 1947. Serial No. 526,753. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,168. SAL SODA, WASHING SODA, MONOHYDRATED CARBONATE OF SODA, AND BICARBONATE OF SODA (BAKING SODA), FOR USE AS A DETERGENT, CLEANING AND WASHING AGENT. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947. Serial No. 526,797. PUBLISHED SEPTEMBER 14, 1948. Class 4.

505,169. ETHYL ACETATE, BUTYL ACETATE, AMYL ACETATE, METHANOL, AND DENATURED ALCOHOL, INDUSTRIAL SOLVENT MIXTURES CONTAINING ESSENTIALLY DENATURED ALCOHOL, METHANOL, AND ETHYL ACETATE. PUBLICKER INDUSTRIES INC., Philadelphia, Pa.
Filed July 5, 1947. Serial No. 526,798. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,170. LIQUID FLOOR CLEANER, LIQUID HAND SOAP, LIQUID TOILET BOWL CLEANER, LIQUID GLASS CLEANER, LIQUID DISHWASHING COMPOUND, WAX BASE LIQUID CLEANER FOR FLOORS, LIQUID SILVER AND ALUMINUM CLEANER, LIQUID CLEANER FOR COMPOSITION LAID FLOORS, AND LIQUID METAL POLISH. KRANO SANITARY & JANITOR SUPPLY CO., Chicago, Ill.
Filed July 5, 1947. Serial No. 526,969. PUBLISHED AUGUST 3, 1948. Class 4.

505,171. FISHING LINES. B. F. GLADDING & CO. INC., South Otselic, N. Y.
Filed July 5, 1947. Serial No. 527,069. PUBLISHED SEPTEMBER 7, 1948. Class 22.

505,172. HEIGHT-MEASURING INSTRUMENTS OPERATING BY TRIANGULATION. W. N. MATTHEWS CORPORATION, St. Louis, Mo.
Filed July 5, 1947. Serial No. 527,129. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,173. JACKETS, COATS, BLOUSES, AND SHIRTS FOR MEN, WOMEN, BOYS, AND GIRLS, MADE OF ANY KIND OF MATERIAL EXCEPTING LEATHER. JOHN RISSMAN & SON, Chicago, Ill.
Filed July 5, 1947. Serial No. 527,340. PUBLISHED SEPTEMBER 21, 1948. Class 39.

505,174. ELECTRICAL APPLIANCES — NAMELY, ELECTRIC MOTORS, INTERFERENCE ELIMINATORS, RADIO FILTERS, CONDENSERS, CIRCUIT PROTECTORS, AND THE PARTS THEREOF. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich.
Filed July 5, 1947. Serial No. 527,356. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,175. FASTENING DEVICES—NAMELY, SCREW ANCHORS, STUD TYPE EXPANSION BOLTS, EXPANSION UNITS, TOGGLE SCREW ANCHORS, TOGGLE BOLTS, SPRING-WING TYPE TOGGLE BOLTS, CONCRETE INSERTS, CAP NUTS, ETC. ACKERMAN-JOHNSON CO., Chicago, Ill.
Filed July 5, 1947. Serial No. 527,543. PUBLISHED SEPTEMBER 21, 1948. Class 13.

505,176. CARBON DISCS USED FOR MANIFOLDING IN TYPEWRITERS. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J.
Filed July 5, 1947. Serial No. 527,567. PUBLISHED SEPTEMBER 21, 1948. Class 11.

505,177. DRY BATTERIES. BURGESS BATTERY COMPANY, Freeport, Ill.
Filed July 5, 1947. Serial No. 527,755. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,178. SHOT SHELLS AND RIFLE CARTRIDGES. OLIN INDUSTRIES, INC., East Alton, Ill.
Filed July 5, 1947. Serial No. 527,902. PUBLISHED AUGUST 31, 1948. Class 9.

505,179. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. YOUNG'S SPEEDY SHOES, INC., Los Angeles, Calif.
Filed July 5, 1947. Serial No. 527,983. PUBLISHED SEPTEMBER 21, 1948. Class 39.

505,180. SLIDE FASTENERS. ALLEN INNOVATIONS, INC., New York, N. Y.
Filed July 8, 1947. Serial No. 528,155. PUBLISHED SEPTEMBER 21, 1948. Class 13.

505,181. EYE LOTION, EYE DROPS. HARRIS EYE LOTION CO., INC., New York, N. Y.
Filed July 9, 1947. Serial No. 528,208. PUBLISHED AUGUST 31, 1948. Class 6.

505,182. WOMEN'S HOSIERY. MANCHESTER HOSIERY MILLS, Manchester, N. H.
Filed July 10, 1947. Serial No. 528,295. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,183. PREPARATION CONTAINING FUNGICIDAL, GERMICIDAL, AND DEODORANT PROPERTIES FOR ANIMAL USE. RIDD LABORATORIES, INCORPORATED, Edmonds, Wash.
Filed July 11, 1947. Serial No. 528,378. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,184. STRINGS FOR TENNIS, BADMINTON, AND SQUASH RACKETS. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 12, 1947. Serial No. 528,415. PUBLISHED SEPTEMBER 7, 1948. Class 22.

505,185. BOW-TIES, NECKTIES, OUTER SHIRTS, SLACKS, PAJAMAS, SPORT COATS, SHORTS, SCARFS, UNDERWEAR FOR MEN AND BOYS, HANDKERCHIEFS, HOSIERY, AND SHOES. SOL SHERMAN, doing business as Sherman Products, New York, N. Y.
Filed July 14, 1947. Serial No. 528,588. PUBLISHED SEPTEMBER 14, 1948. Class 39.

505,186. NEON SIGN EQUIPMENT—NAMELY, NEON TUBE SUPPORTS, ELECTRODE HOLDERS, ELECTRODE HOLDER COVERS. RAFI MANUFACTURING COMPANY, Toledo, Ohio.
Filed July 15, 1947. Serial No. 528,643. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,187. SILVER POLISH. C. D. PEACOCK, INC., Chicago, Ill.
Filed July 16, 1947. Serial No. 528,736. PUBLISHED SEPTEMBER 14, 1948. Class 4.

505,188. SHOES. THE COWARD SHOE, INC., New York, N. Y.
Filed July 18, 1947. Serial No. 528,855. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,189. DISPLACEMENT TYPE AUTOMATIC ELECTRIC HOT WATER STORAGE HEATERS. LOSEE PRODUCTS COMPANY, Hebron, Ill.
Filed July 21, 1947. Serial No. 529,071. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,190. ROTARY TOOTH BRUSHES FOR PERSONAL USE. THE KALLA CORPORATION, Minneapolis, Minn.
Filed July 24, 1947. Serial No. 529,391. PUBLISHED AUGUST 24, 1948. Class 29.

505,191. TOY MINIATURE GAS ENGINES FOR MODEL AIRCRAFT, FOR BOATS, OR OTHER MODEL VEHICLES. EUGENE B. LASKIN, doing business as Laskin Manufacturing Company, Baltimore, Md.
Filed July 24, 1947. Serial No. 529,393. PUBLISHED SEPTEMBER 7, 1948. Class 22.

505,192. SYNTHETIC THERMOSETTING RESINS AND PLASTICS OF THE POLYESTER TYPE. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed July 25, 1947. Serial No. 529,430. PUBLISHED SEPTEMBER 21, 1948. Class 1.

505,193. ELECTRIC LUMINAIRES AND ELECTRIC LIGHTING FIXTURES. THE F. W. WAKEFIELD BRASS COMPANY, Vermilion, Ohio.
Filed July 25, 1947. Serial No. 529,510. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,194. FISHING-TACKLE BOXES. C. G. CONN LTD., Elkhart, Ind.
Filed July 18, 1947. Serial No. 529,529. PUBLISHED SEPTEMBER 7, 1948. Class 22.

505,195. LIQUID LEVEL GAUGES AND INDICATORS, PARTS AND FITTINGS THEREOF. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio.
Filed July 26, 1947. Serial No. 529,696. PUBLISHED SEPTEMBER 7, 1948. Class 26.

505,196. SHOES. RIEDELL SHOES, INC., Red Wing, Minn.
Filed July 26, 1947. Serial No. 529,706. PUBLISHED SEPTEMBER 21, 1948. Class 39.

505,197. CHAIN AND CHAINS FOR GENERAL USE, AND PARTS THEREOF AND ATTACHMENTS THEREFOR. THE UNION CHAIN AND MANUFACTURING COMPANY, Sandusky, Ohio.
Filed July 26, 1947. Serial No. 529,727. PUBLISHED SEPTEMBER 21, 1948. Class 13.

505,198. PNEUMATIC TIRES FOR VEHICLES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed July 26, 1947. Serial No. 529,734. PUBLISHED SEPTEMBER 21, 1948. Class 35.

505,199. RUBBER AND LEATHER BOOTS. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind.
Filed July 31, 1947. Serial No. 530,101. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,200. RUBBERS AND OVERSHOES. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind.
Filed July 31, 1947. Serial No. 530,104. PUBLISHED SEPTEMBER 21, 1948. Class 39.

505,201. MINIATURE TOYS — NAMELY, AUTOMOBILES, TRUCKS, TRACTORS, AEROPLANES, BOATS, SUBMARINES, ZEPPELINS, TRAINS, CANNONS, DISHES, DOLL-HOUSES, ETC. DOWST MANUFACTURING COMPANY, Chicago, Ill.
Filed August 5, 1947. Serial No. 530,477. PUBLISHED SEPTEMBER 7, 1948. Class 22.

505,202. SOAP. LOS ANGELES SOAP COMPANY, Los Angeles, Calif.
Filed August 7, 1947. Serial No. 530,744. PUBLISHED SEPTEMBER 14, 1948. Class 4.

505,203. TENNIS RACKETS. SPORT PRODUCTS, INC., Cincinnati, Ohio.
Filed August 9, 1947. Serial No. 530,978. PUBLISHED SEPTEMBER 7, 1948. Class 22.

505,204. FISH HOOKS AND ARTIFICIAL FISH LURES. WRIGHT & MCGILL CO., Denver, Colo.
Filed August 11, 1947. Serial No. 531,071. PUBLISHED SEPTEMBER 7, 1948. Class 22.

505,205. FABRIC BELTING. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio.
Filed August 12, 1947. Serial No. 531,124. PUBLISHED SEPTEMBER 21, 1948. Class 35.

505,206. FABRIC BELTING. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio.
Filed August 12, 1947. Serial No. 531,129. PUBLISHED SEPTEMBER 21, 1948. Class 35.

505,207. MACHINES FOR MAKING BLUE PRINTS AND OTHER PRINTS SUCH AS BROWN-LINE PRINTS, WHITE PRINTS, AND REPRODUCED TRACINGS, AND MACHINES FOR DRYING SUCH PRINTS AND PHOTOCOPY PRINTS. PARAGON-REVOLUTE CORPORATION, Rochester, N. Y.
Filed August 13, 1947. Serial No. 531,237. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,208. MACHINES FOR MAKING BLUE-PRINTS AND OTHER PRINTS, SUCH AS BROWN-LINE PRINTS, WHITE PRINTS, AND REPRODUCED TRACINGS. PARAGON-REVOLUTE CORPORATION, Rochester, N. Y.
Filed August 13, 1947. Serial No. 531,239. PUBLISHED SEPTEMBER 21, 1948. Class 26.

505,209. COAL. TERTELING BROTHERS, INCORPORATED, Madison, Ky.
Filed August 13, 1947. Serial No. 531,257. PUBLISHED SEPTEMBER 21, 1948. Class 1.

505,210. STOCKINGS. WAYNE KNITTING MILLS, Fort Wayne, Ind.
Filed August 13, 1947. Serial No. 531,269. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,211. MEN'S AND YOUNG MEN'S SUITS, COATS, VESTS, TROUSERS, OVERCOATS, AND TOPCOATS. WEINBERG CORPORATION, Chicago, Ill.
Filed August 13, 1947. Serial No. 531,271. PUBLISHED SEPTEMBER 21, 1948. Class 39.

505,212. HOSIERY. BOONTON FULL FASHION HOSIERY MILLS, Boonton, N. J.
Filed August 14, 1947. Serial No. 531,295. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,213. DIESEL ELECTRIC PLANTS CONSISTING OF DIESEL ENGINE DRIVEN GENERATORS. WINPOWER MFG. COMPANY, Newton, Iowa.
Filed August 14, 1947. Serial No. 531,408. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,214. PLAYING CARDS. KEM PLASTIC PLAYING CARDS, INC., New York, N. Y.
Filed August 15, 1947. Serial No. 531,483. PUBLISHED SEPTEMBER 14, 1948. Class 22.

505,215. PLAYING CARDS. KEM PLASTIC PLAYING CARDS, INC., New York, N. Y.
Filed August 15, 1947. Serial No. 531,484. PUBLISHED SEPTEMBER 14, 1948. Class 22.

505,216. BOARD GAME PLAYED WITH MARBLES. THEODORE R. KEITH, Nutley, N. J.
Filed August 20, 1947. Serial No. 531,917. PUBLISHED SEPTEMBER 7, 1948. Class 22.

505,217. PORTABLE SAVINGS BANKS. THE AUTOMATIC RECORDING SAFE COMPANY, Chicago, Ill.
Filed August 23, 1947. Serial No. 532,198. PUBLISHED AUGUST 31, 1948. Class 22.

505,218. BALL ROLLING GAMES HAVING A BOARD AND BALLS. BALLY MANUFACTURING CO., Chicago, Ill.
Filed August 23, 1947. Serial No. 532,200. PUBLISHED SEPTEMBER 14, 1948. Class 22.

505,219. HANGERS OR BRACKETS FOR DRAPERIES, CURTAINS, AND THE LIKE. BIN-HAY CORPORATION, Rochester, N. Y.
Filed August 29, 1947. Serial No. 532,799. PUBLISHED SEPTEMBER 21, 1948. Class 13.

505,220. ELECTRIC SWITCHES. THE ARROW-HART & HEGEMAN ELECTRIC COMPANY, Hartford, Conn.
Filed September 2, 1947. Serial No. 532,993. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,221. BOLTS. LEWIS BOLT & NUT COMPANY, Minneapolis, Minn.
Filed September 2, 1947. Serial No. 533,034. PUBLISHED SEPTEMBER 21, 1948. Class 13.

505,222. HOSIERY. COOPER, WELLS & CO., St. Joseph, Mich.
Filed September 4, 1947. Serial No. 533,273. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,223. MEN'S OUTER SUITS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed August 2, 1947. Serial No. 533,477. PUBLISHED SEPTEMBER 21, 1948. Class 39.

505,224. MEN'S, WOMEN'S, CHILDREN'S AND INFANTS' HOSIERY, BLOUSES, SUNSUITS, OVERALLS, CREEPERS, UTILITY OUTERWEAR SHIRTS MADE OF KNITTED FABRIC WITH A ROUND OR CREW NECK HAVING NO OPENING UP THE FRONT OR BACK, ETC. UNITED HOSIERY MILLS CORPORATION, Chattanooga, Tenn.
Filed September 5, 1947. Serial No. 533,647. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,225. HOSIERY FOR MEN, WOMEN AND CHILDREN. UNITED HOSIERY MILLS CORPORATION, Chattanooga, Tenn.
Filed September 5, 1947. Serial No. 533,648. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,226. MEN'S AND WOMEN'S LOUNGING ROBES. SAFIR PLAN, INC., New York, N. Y.
Filed September 6, 1947. Serial No. 533,686. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,227. ELECTRIC FANS. ROBBINS & MYERS, INC., Springfield, Ohio.
Filed September 8, 1947. Serial No. 533,778. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,228. LEATHER LOGGER SHOES. BONE DRY SHOE MFG. CO., Tacoma, Wash.
Filed September 9, 1947. Serial No. 533,840. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,229. VITAMIN PREPARATIONS, SPECIFICALLY SYNTHETICALLY PREPARED CONCENTRATES OF VITAMIN A ACETATE. DISTILLATION PRODUCTS, INC., Wilmington, Del., and Rochester, N. Y.
Filed September 10, 1947. Serial No. 534,005. PUBLISHED SEPTEMBER 7, 1948. Class 6.

505,230. FISHING RODS. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed September 11, 1947. Serial No. 534,121. PUBLISHED SEPTEMBER 14, 1948. Class 22.

505,231. KNITTED SPORTSWEAR—NAMELY, SWEATERS. SELECT SPORTSWEAR, INC., New York, N. Y.
Filed September 11, 1947. Serial No. 534,377. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,232. THERMOPLASTIC AND THERMOSETTING MOLDING COMPOUNDS, ETC. OMNI PRODUCTS CORPORATION, New York, N. Y.
Filed September 13, 1947. Serial No. 534,462. PUBLISHED SEPTEMBER 21, 1948. Class 1.

505,233. BONES AND GALL USED IN THE MANUFACTURE OF GELATIN, GLUE, AND VARIOUS PHARMACEUTICALS. INTERNATIONAL COMMERCIAL CO., INC., Chicago, Ill., now by change of name International Packers Commercial Co. Inc., a corporation of Delaware.
Filed September 15, 1947. Serial No. 534,533. PUBLISHED SEPTEMBER 21, 1948. Class 1.

505,234. INJECTABLE PYROGEN. BAXTER LABORATORIES, INC., Glenview, Ill.
Filed September 16, 1947. Serial No. 534,592. PUBLISHED SEPTEMBER 14, 1948. Class 6.

505,235. WOMEN'S, MEN'S, AND BOYS' HOUSE SLIPPERS MADE OF LEATHER. L. B. EVANS SON CO., Wakefield, Mass.
Filed September 16, 1947. Serial No. 534,618. PUBLISHED SEPTEMBER 21, 1948. Class 39.

505,236. PNEUMATIC RUBBER TIRES, PNEUMATIC TIRE CASINGS, AND TUBES. THE PEP BOYS, MANNY, MOE & JACK, Philadelphia, Pa.
Filed September 16, 1947. Serial No. 534,666. PUBLISHED SEPTEMBER 14, 1948. Class 35.

505,237. VAGINAL DRY DOUCHE. AGNES SHEEHAN MCCARTHY, doing business as Sur-San Products, Des Moines, Iowa.
Filed September 17, 1947. Serial No. 534,797. PUBLISHED AUGUST 31, 1948. Class 6.

505,238. RADIO RECEIVERS, TRANSMITTERS, ELECTRICAL SOUND RECORDING APPARATUS, TELEVISION RECEIVERS, ETC. AIRADIO, INCORPORATED, Stamford, Conn.
Filed September 18, 1947. Serial No. 534,859. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,239. SCALE AND MILKSTONE DEPOSIT REMOVER IN POWDERED FORM, ETC. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed September 18, 1947. Serial No. 534,881. PUBLISHED SEPTEMBER 14, 1948. Class 4.

505,240. APPAREL BELTS, SUSPENDERS, GARTERS, AND HOSE SUPPORTERS. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y.
Filed September 19, 1947. Serial No. 534,974. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,241. MEN'S TROUSERS. BILTWELL COMPANY, INC., St. Louis, Mo.
Filed September 19, 1947. Serial No. 534,984. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,242. COSMETIC CREAMS, SHAMPOOS, HAIR PREPARATIONS, DENTIFRICES, GLYCERINE AND STEARIC ACID. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed October 1, 1947. Serial No. 536,446. PUBLISHED SEPTEMBER 7, 1948. Class 6.

505,243. WOMEN'S AND CHILDREN'S PAJAMAS, PAJAMA COATS, BEACH COATS, SMOCK COATS, UTILITY COATS IN THE NATURE OF LOUNGING COATS AND BATH ROBES. KAYLON INCORPORATED, New York, N. Y.
Filed October 2, 1947. Serial No. 536,532. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,244. ELECTRIC RANGES. AVCO MANUFACTURING CORPORATION, Cincinnati, Ohio.
Filed October 7, 1947. Serial No. 536,989. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,245. HOSIERY. BURGIO BROS., INC., New York, N. Y.
Filed October 8, 1947. Serial No. 537,141. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,246. WATER SOFTENER SALT, MEAT CURING SALT, ICE CREAM SALT, AND ALL GRADES OF CRUSHED ROCK SALT. THE CAREY SALT COMPANY, Hutchinson, Kans.
Filed October 8, 1947. Serial No. 537,148. PUBLISHED AUGUST 31, 1948. Class 6.

505,247. PREPARATION FOR THE RELIEF OF CHAPPED LIPS, COLD SORES, AND FEVER SORES. S. PFEIFFER MFG. CO., St. Louis, Mo.
Filed October 13, 1947. Serial No. 537,730. PUBLISHED SEPTEMBER 7, 1948. Class 6.

505,248. ANTERIOR HYPOPHYSEAL GONADOTROPIC FACTOR AND GROWTH COMPLEX; ETC. AYERST, MCKENNA & HARRISON LIMITED, New York and Rouses Point, N. Y.
Filed October 15, 1947. Serial No. 537,866. PUBLISHED AUGUST 31, 1948. Class 6.

505,249. COAL. EASTERN GAS AND FUEL ASSOCIATES, Boston, Mass.
Filed October 21, 1947. Serial No. 538,505. PUBLISHED SEPTEMBER 21, 1948. Class 1.

505,250. BATTERY CHARGERS OF THE FOLLOWING NAMED TYPES: HIGH RATE CHARGERS, WALL CHARGERS, TRICKLE CHARGERS, HOME CHARGERS, AND PORTABLE CHARGERS. MARQUETTE MANUFACTURING CO. INC., Minneapolis, Minn.
Filed October 24, 1947. Serial No. 538,939. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,251. SILVER PLATED FLAT-WARE AND HOLLOW-WARE. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed October 25, 1947. Serial No. 539,061. PUBLISHED AUGUST 10, 1948. Class 28.

505,252. ANTIBIOTIC PREPARATION FOR PARENTERAL AND INTERNAL ADMINISTRATION. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed October 31, 1947. Serial No. 539,646. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,253. AIR VENT TUBES WITH OR WITHOUT SIGNALING DEVICES, ETC. SCULLY SIGNAL COMPANY, Cambridge, Mass.
Filed October 31, 1947. Serial No. 539,762. PUBLISHED SEPTEMBER 21, 1948. Class 13.

505,254. SEWING-MACHINE BELTS. THE BOYE NEEDLE COMPANY, Chicago, Ill.
Filed July 7, 1947. Serial No. 539,804. PUBLISHED SEPTEMBER 21, 1948. Class 35.

505,255. PLAIN COLD-ROLLED STRIP STEEL; ALSO ZINC-COATED STRIP STEEL, NICKEL-COATED STRIP STEEL, COPPER-COATED STRIP STEEL, ETC. THE THOMAS STEEL COMPANY, Warren, Ohio.
Filed July 9, 1947. Serial No. 539,814. PUBLISHED SEPTEMBER 7, 1948. Class 14.

505,256. PERFUMES, FACE POWDERS, TOILET WATERS, SACHET POWDERS, LOTIONS FOR THE HAIR, AND BRILLIANTINE. GIVIEMME, S. A., Milan, Italy.
Filed November 1, 1947. Serial No. 539,867. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,257. BASEBALL BATS AND MINIATURE BASEBALL BATS. HILLERICH & BRADSBY CO., Louisville, Ky.
Filed November 4, 1947. Serial No. 540,072. PUBLISHED SEPTEMBER 14, 1948. Class 22.

505,258. PLYWOOD, UNFINISHED AND FINISHED LUMBER. LEHWOOD CORPORATION, Mishawaka, Ind.
Filed November 8, 1947. Serial No. 540,543. PUBLISHED AUGUST 31, 1948. Class 12.

505,259. PAINT APPLICATOR OF THE ROLLER FOUNTAIN TYPE. PAXTROL MFG. CO., Detroit, Mich.
Filed November 10, 1947. Serial No. 540,703. PUBLISHED SEPTEMBER 7, 1948. Class 29.

505,260. CHEMICALS FOR EXTERMINATING WEEDS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed November 12, 1947. Serial No. 540,908. PUBLISHED AUGUST 31, 1948. Class 6.

505,261. GAME BOARDS. GEORGE S. COX, doing business as Geo. S. Cox Mfg. Co., St. Louis, Mo.
Filed November 17, 1947. Serial No. 541,408. PUBLISHED SEPTEMBER 7, 1948. Class 22.

505,262. MOUTON FURS AND PATENT AND SIDE LEATHERS. ALLIED KID COMPANY, Boston, Mass.
Filed November 18, 1947. Serial No. 541,484. PUBLISHED SEPTEMBER 21, 1948. Class 1.

505,263. SALVE FOR DRAWING AND HEALING AND FOR THE TREATMENT OF BOILS. RICHARD T. DUNN, doing business as The Smile Remedy Company, St. Louis, Mo.
Filed October 18, 1947. Serial No. 541,748. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,264. STABILIZERS FOR VINYL CHLORIDE POLYMERS AND COPOLYMERS AND OTHER ORGANIC HALIDES. THE BAKER CASTOR OIL COMPANY, Bayonne, N. J., and elsewhere in the United States.
Filed November 21, 1947. Serial No. 541,910. PUBLISHED JULY 20, 1948. Class 6.

505,265. LADIES' AND MISSES' COATS, SUITS, JACKETS, AND OUTER SKIRTS. JOSEPH BLAU, New York, N. Y.
Filed November 22, 1947. Serial No. 541,997. PUBLISHED AUGUST 17, 1948. Class 39.

505,266. PLIABLE SEMI-METALLIC INDUSTRIAL PACKING FOR USE AS GASKETS AND SEALS ON PUMPS AND OTHER MACHINERY. INDUSTRIAL SEALS CORPORATION, Trenton, N. J.
Filed November 25, 1947. Serial No. 542,318. PUBLISHED SEPTEMBER 21, 1948. Class 35.

505,267. DRILL AND TOOL STEEL. ZIV STEEL & WIRE CO., Chicago, Ill.
Filed November 25, 1947. Serial No. 542,386. PUBLISHED AUGUST 24, 1948. Class 14.

505,268. DRILL AND TOOL STEEL. ZIV STEEL & WIRE CO., Chicago, Ill.
Filed November 25, 1947. Serial No. 542,389. PUBLISHED AUGUST 24, 1948. Class 14.

505,269. ELECTRIC LAMPS. MINUET LAMP INDUSTRIES, INC., Chicago, Ill.
Filed November 28, 1947. Serial No. 542,627. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,270. PASTE-LIKE MODALITY USED IN THE TREATMENT OF GUMS. PAUL EDWARD BENNETT, doing business as Oralaid Company, Toledo, Ohio.
Filed December 4, 1947. Serial No. 543,268. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,271. MEN'S HATS AND CAPS AND HATS FOR WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed December 10, 1947. Serial No. 543,922. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,272. ELECTRIC STORAGE BATTERIES AND PARTS THEREOF INCLUDING SEPARATORS THEREFOR. AUTO-LITE BATTERY CORPORATION, Niagara Falls, N. Y.
Filed December 11, 1947. Serial No. 544,025. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,273. LIPSTICKS, FACE POWDER, ROUGE, TOILET WATER, DUSTING POWDER. CHARLES OF THE RITZ DISTRIBUTORS CORP., New York, N. Y.
Filed December 15, 1947. Serial No. 544,326. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,274. RAT, MOUSE, MOLE, AND GOPHER POISON; INSECTICIDE FOR THE CONTROL OF SWEET-EATING ANTS, ETC. W. R. SWEENEY, MFGR., Salisbury, Mo.
Filed December 16, 1947. Serial No. 544,478. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,275. DRY BATTERIES AND ELECTRIC HAND LAMPS AND LANTERNS AND CASES THEREFOR. BURGESS BATTERY COMPANY, Freeport, Ill.
Filed October 10, 1947. Serial No. 544,520. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,276. LEATHER BANDS FOR CAPS AND HATS. BRIZEL LEATHER CORPORATION, New York, N. Y.
Filed December 17, 1947. Serial No. 544,535. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,277. BATTERY CHARGERS OF THE SYNCHRONOUS RECTIFIER TYPE, ETC. ADVANCE ELECTRIC AND RELAY CO., Los Angeles, Calif.
Filed December 18, 1947. Serial No. 544,679. PUBLISHED SEPTEMBER 21, 1948. Class 21.

505,278. WOMEN'S SUITS AND COATS. FAMOUS LADY, Woodbine, N. J.
Filed December 18, 1947. Seral No. 544,716. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,279. MEN'S HATS AND CAPS AND HATS FOR WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed December 18, 1947. Serial No. 544,733. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,280. LADIES' AND MISSES' COATS AND JACKETS. I. MARKS & SON, INC., New York, N. Y.
Filed December 24, 1947. Serial No. 545,379. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,281. MEN'S AND WOMEN'S HATS. STYLEPARK HATS, INC., Philadelphia, Pa.
Filed December 24, 1947. Serial No. 545,405. PUBLISHED SEPTEMBER 7, 1948. Class 39.

505,282. LITHIUM SALT OF A LONG CHAIN FATTY ACID, ETC. FOOTE MINERAL COMPANY, Philadelphia, Pa.
Filed January 5, 1948. Serial No. 546,212. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,283. MEN'S HATS. BYER-ROLNICK COMPANY, Garland, Tex.
Filed January 6, 1948. Serial No. 546,280. PUBLISHED SEPTEMBER 21, 1948. Class 39.

505,284. HAIR DRESSING PREPARATIONS. HAIR RESEARCH STUDIO, Chicago, Ill.
Filed January 8, 1948. Serial No. 546,493. PUBLISHED JUNE 15, 1948. Class 6.

505,285. INDUSTRIAL DEODORANTS. MICHAEL FIELDING, doing business as Modern Deodorant Company, Jamaica, N. Y.
Filed January 9, 1948. Serial No. 546,573. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,286. HAND CREAM. BONNIE I. SMITH, Atlanta, Ga.
Filed January 12, 1948. Serial No. 546,798. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,287. COSMETICS—NAMELY, FOR FACE CREAM, FACE POWDER, AND ASTRINGENTS. BELLE I. PEPPER, Denver, Colo.
Filed January 13, 1948. Serial No. 546,868. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,288. SPECIALLY CONSTRUCTED CARTRIDGES USED FOR HIGH EXPLOSIVES. HERCULES POWDER COMPANY, Wilmington, Del.
Filed August 9, 1947. Serial No. 546, 904.. PUBLISHED SEPTEMBER 21, 1948. Class 9.

505,289. PRECISION CASTINGS COMPOSED OF STEEL, FERROUS METAL ALLOYS, AND OTHER ALLOYS AND METALS. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y.
Filed January 16, 1948. Serial No. 547,236. PUBLISHED SEPTEMBER 7, 1948. Class 14.

505,290. WHISTLING AUTO BOMB ATTACHED TO THE SPARK PLUGS, WHICH IGNITES AS THE CAR KEY IS TURNED ON OR THE STARTER BUTTON PRESSED. EMORY HERBERT ROBERTSON, doing business as Robertson Fireworks Company, Fort Worth, Tex.
Filed January 16, 1948. Serial No. 547,284. PUBLISHED SEPTEMBER 21, 1948. Class 9.

505,291. FLUX-COATED METALLIC WELDING RODS. AIR REDUCTION SALES COMPANY, New York, N. Y.
Filed January 17, 1948. Serial No. 547,304. PUBLISHED SEPTEMBER 7, 1948. Class 14.

505,292. LIQUID PREPARATION FOR POLISHING LEATHER SHOES. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed January 21, 1948. Serial No. 547,627. PUBLISHED SEPTEMBER 14, 1948. Class 4.

505,293. BAR SOAP IN PACKAGED FORM. LEE ROTHSCHILD, doing business as Corona Soapcrafters, Redlands, Calif.
Filed January 22, 1948. Serial No. 547,772. PUBLISHED SEPTEMBER 21, 1948. Class 4.

505,294. BAR SOAP IN PACKAGED FORM. LEE ROTHSCHILD, doing business as Corona Soapcrafters, Redlands, Calif.
Filed January 22, 1948. Serial No. 547,774. PUBLISHED SEPTEMBER 21, 1948. Class 4.

505,295. BAR TOOL STEEL. DELAWARE TOOL STEEL CORPORATION, Wilmington, Del.
Filed January 26, 1948. Serial No. 547,976. PUBLISHED SEPTEMBER 7, 1948. Class 14.

505,296. PLASTICIZERS TO IMPART FLEXIBILITY OR ELASTICITY TO PLASTICS, RESINS, RUBBER ELASTOMERS, POLYMERS, PROTECTIVE COATINGS, INKS, AND OTHER SIMILAR PRODUCTS. PAN AMERICAN REFINING CORPORATION, New York, N. Y.
Filed February 3, 1948. Serial No. 548,681. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,297. PISTOL HOLSTERS. THE H. & D. FOLSOM ARMS CO. INC., New York, N. Y.
Filed February 4, 1948. Serial No. 548,736. PUBLISHED SEPTEMBER 21, 1948. Class 3[illegible].

505,298. MEDICATED JELLY AND CR[illegible]E FOR VAGINAL APPLICATION. LARRÉ LABORATORIES, INC., Denver, Colo.
Filed February 5, 1948. Serial No. 548,820. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,299. LIQUID CONCENTRATION OF ERGOT. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed February 7, 1948. Serial No. 549,091. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,300. MEDICINE FOR THE RELIEF OF ATHLETE'S FOOT, RINGWORM, ETC. DOROTHY DAVES HOWARD, doing business as Wright Drug Company, Greenville, S. C.
Filed February 10, 1948. Serial No. 549,258. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,301. SALVE. COAST LABORATORIES, Atlantic City, N. J.
Filed February 13, 1948. Serial No. 549,617. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,302. MEDICATED RUB. THE DENVER CHEMICAL MANUFACTURING COMPANY, New York, N. Y.
Filed February 18, 1948. Serial No. 550,030. PUBLISHED SEPTEMBER 7, 1948. Class 6.

505,303. CHEMICAL SOLUTIONS FOR STERILIZING EATING UTENSILS. AUTO-CHLOR SYSTEM, INC., Memphis, Tenn.
Filed February 24, 1948. Serial No. 550,378. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,304. SULFONAMIDE PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed February 26, 1948. Serial No. 550,623. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,305. PREPARATION TO RELIEVE GASTRO-INTESTINAL DISORDERS. NESTLE'S MILK PRODUCTS, INC., New York, N. Y.
Filed February 27, 1948. Serial No. 550,724. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,306. HAIR POMADE AND HAIR DRESSING. MARTHA B. TRUITT, Chicago, Ill.
Filed February 28, 1948. Serial No. 550,861. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,307. HAIR TONIC. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed March 5, 1948. Serial No. 551,348. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,308. NATURAL AND SYNTHETIC ESTROGENIC HORMONE SUBSTANCES ALONE OR IN COMBINATION WITH VITAMINS AND ANALOGOUS SUBSTANCES FOR EITHER ORAL AND/OR PARENTERAL ADMINISTRATION. ENDOCRINE COMPANY, Union City, N. J.
Filed March 16, 1948. Serial No. 552,046. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,309. BUTANE AND PROPANE GASES. PACIFIC GAS CORPORATION, New York, N. Y.
Filed March 26, 1948. Serial No. 553,127. PUBLISHED SEPTEMBER 21, 1948. Class 6.

505,310. LIQUID OR FINELY-DIVIDED SOLID ORGANIC CHEMICAL DETERGENT HAVING SURFACE ACTIVE, WETTING, AND EMULSIFYING PROPERTIES. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed May 14, 1948. Serial No. 557,035. PUBLISHED SEPTEMBER 14, 1948. Class 4.

505,311. LAUNDRY BAR SOAP. THE CUDAHY PACKING COMPANY, Chicago, Ill.
Filed June 3, 1948. Serial No. 558,349. PUBLISHED SEPTEMBER 21, 1948. Class 4.

Service Marks

505,312. SHIPPING SERVICE OPERATED BY IT BETWEEN UNITED STATES ATLANTIC PORTS AND PORTS ON THE EAST COAST OF SOUTH AMERICA, SOUTH OF AND INCLUDING PARA, BRAZIL. MOORE-MCCORMACK LINES, INC., New York, N. Y.
Filed October 3, 1947. Serial No. 536,705. PUBLISHED SEPTEMBER 14, 1948. Class 55.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

505,313. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WHEATLEY FABRICS, INC., New York, N. Y. Filed June 8, 1948. Serial No. 516,104.

WHEATLEY FABRICS

Fabrics of WF *Fidelity*

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF.
Claims use since Feb. 1, 1946.

505,314. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) I. B. KLEINERT RUBBER COMPANY, INC., New York, N. Y. Filed Mar. 10, 1948. Serial No. 518,297.

STURDI-LITE

FOR CRIB SHEETS.
Claims use since March 1945.

505,315. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) METROPOLITAN INDUSTRIES, INC., Chicago, Ill. Filed Sept. 26, 1947. Serial No. 519,283.

Essex

FOR CAMERAS.
Claims use since Apr. 26, 1946.

505,316. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed July 10, 1948. Serial No. 530,258.

PLASTICK

FOR ADJUSTABLE MEASURING GAUGE FOR HUMAN FEET.
Claims use since Aug. 13, 1946.

505,317. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOE C. BODE, JR., doing business as Manson Distributors, Aurora, Ill. Filed July 27, 1948. Serial No. 530,717.

"THAW-STICK"

FOR PREPARATION IN STICK FORM WHICH IS APPLIED TO WINDOWS TO PREVENT FOGGING AND FORMATION OF ICE IN COLD WEATHER.
Claims use since July 10, 1947.

505,318. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY ALEX, doing business as Mary Alex Products, Chicago, Ill. Filed July 9, 1948. Serial No. 534,716.

MARY ALEX

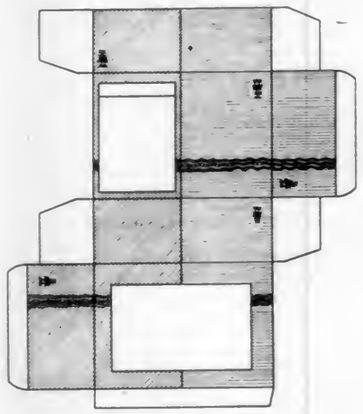
FOR COSMETICS, LIPSTICKS, COLOGNE, PERFUME, FACE POWDER, TOILET WATERS, MASCARA, SHAMPOO, PERMANENT WAVE SOLUTIONS, HAIR OILS, AND NAIL POLISH.
Claims use since June 27, 1947.

505,319. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SEIDLITZ PAINT & VARNISH CO., Kansas City, Mo. Filed July 12, 1948. Serial No. 536,161.

SPRED-BRITE

FOR LIQUID WAX POLISH FOR FLOORS AND OTHER SURFACES.
Claims use since July 21, 1943.

505,320. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) CARL PEARLSTEIN, doing business as Nurserymen's Exchange, San Francisco, Calif. Filed Sept 10, 1948. Serial No. 536,831.



The drawing is lined to show the colors brown and blue.
FOR FLOWER BULBS.
Claims use since Aug. 26, 1947.

505,321. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) L. & N. SULTAN MFG. CORP., New York, N. Y. Filed Sept. 13, 1948. Serial No. 542,368.



FOR SHEETS AND PILLOW CASES.
Claims use since Dec. 30, 1946.

505,322. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SCULLY RUBBER MFG., CO., Baltimore, Md. Filed Dec. 11, 1947. Serial No. 544,119.

NOTURN

FOR NON-METALLIC SPUD WASHERS FOR TOILET BOWLS.
Claims use since Feb. 10, 1937.

Service Marks

505,323. (CLASS 35. SERVICES.) MID-CONTINENT AIRLINES, INC., Kansas City, Mo. Filed Sept. 29, 1948. Serial No. 531,042.

MID-CONTINENT

AIRLINES

FOR THE OPERATION OF AIRLINES AND THE TRANSPORTATION OF PASSENGERS, FREIGHT AND MAIL IN THE CONDUCT OF SUCH SERVICES.
Claims use since Aug. 17, 1938.

TRADE-MARK REGISTRATIONS RENEWED

69,438. ALSA. Registered June 16, 1908. Dollfus-Mieg & Cie. Société Anonyme, Mulhausen, Germany. Re-renewed June 16, 1948, to Dollfus-Mieg & Cie., Societe Anonymè, Mulhouse (Haut-Rhin), France, a corporation organized under the laws of the Republic of France. COTTON, LINEN, SILK, WOOL, WORSTED, HEMP, HAIR, AND JUTE YARNS, SEWING COTTON, THREAD, AND SILK (SI'UN, THROWN, OR SEWING). Class 43.

70,360. "40" ETC. AND DRAWING. Registered Aug. 25, 1908. Dollfus-Mieg & Cie. Société Anonyme, Mulhouse, Germany. Re-renewed Aug. 25, 1948, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation organized under the laws of the Republic of France. YARNS AND THREADS MADE OF COTTON, WOOL, SILK, LINEN, JUTE, AND RAMIE. Class 43.

70,361. "DMC" ETC. AND DRAWING. Registered Aug. 25, 1908. Dollfus-Mieg & Cie. Société Anonyme, Mulhouse, Germany. Re-renewed Aug. 25, 1948, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation organized under the laws of the Republic of France. YARNS AND THREADS MADE OF COTTON, WOOL, SILK, LINEN, JUTE, AND RAMIE. Class 43.

70,827. "DMC" ETC. AND DRAWING. Registered Oct. 6, 1908. Dollfus-Mieg & Cie. Société Anonyme, Mulhouse, Germany. Re-renewed Oct. 6, 1948, to Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation organized under the laws of the Republic of France. YARNS AND THREADS MADE OF COTTON, SILK, WOOL, LINEN, JUTE, AND RAMIE. Class 43.

70,927. TWENTIETH CENTURY TEETH. Registered Oct. 20, 1908. The Dentists' Supply Company of New York, New York, N. Y., and York, Pa., a corporation of New York. Re-renewed Oct. 20, 1948. PORCELAIN TEETH. Class 44.

71,172. "MOTHER'S REMEDY" AND DRAWING. Registered Nov. 3, 1908. The Mother's Remedies Co. Re-renewed Nov. 3, 1948, to Louis S. Knoedler, Chicago, Ill. REMEDIES FOR HEADACHE, DYSPEPSIA, STOMACH CATARRH, HEART-BURN AND INDIGESTION, ETC. Class 6.

71,292. FRANKS. Registered Nov. 17, 1908. Frank Brothers. Re-renewed Nov. 17, 1948, to Frank Brothers Footwear, Inc., New York, N. Y., a corporation of New York. BOOTS AND SHOES OF LEATHER, CLOTH, AND SATIN. Class 39.

71,578. FRANK BROS. Registered Dec. 1, 1908. Frank Brothers. Re-renewed Dec. 1, 1948, to Frank Brothers Footwear, Inc., New York, N. Y., a corporation of New York. BOOTS AND SHOES OF LEATHER, CLOTH, AND SATIN. Class 39.

220,486. REPRESENTATION OF CROWN. Registered Nov. 9, 1926. Rex Products & Mfg. Company. Renewed Nov. 9, 1946, to Detrex Corporation, Detroit, Mich., a corporation of Michigan. WATER-SOFTENING POWDERS OF TRISODIUM PHOSPHATE BASE. Class 6.

225,640. SWEET MARIE. Registered Mar. 22, 1927. Willards Chocolates, Limited, Toronto, Ontario, Canada, a corporation of Canada. Renewed Mar. 22, 1947. CONFECTIONERY, PARTICULARLY CHOCOLATES. Class 46.

226,681. THE NEBRASKA FARMER. Registered Apr. 19, 1927. McKelvie Publishing Company, Lincoln, Nebr., a corporation of Nebraska. Renewed Apr. 19, 1947. PERIODICAL MAGAZINE. Class 38.

227,723. "HOYLOOM FABRICS" ETC. AND DESIGN. Registered May 17, 1927. Joshua Hoyle & Sons, Ltd. Inc. Renewed May 17, 1947, to H. J. Timmerman, New York, N. Y. WOOLEN PIECE GOODS, COTTON PIECE GOODS, WOOLEN BLANKETS, FLANNEL SUITINGS IN THE PIECE, AUTOMOBILE ROBES, CARRIAGE ROBES, AND BABY-CARRIAGE COVERS OF TEXTILE FABRIC. Class 42.

228,173. "HOYLOOM FABRICS" ETC. AND DESIGN. Registered May 24, 1927. Joshua Hoyle & Sons, Ltd. Inc. Renewed May 24, 1947, to H. J. Timmerman, New York, N. Y. BEACH ROBES, BATH GOWNS, AND BATH ROBES. Class 39.

229,694. "ADVELOPE". Registered July 5, 1927. The Oak Press. Renewed July 5, 1947, to Deutschmeister Brothers, New York, N. Y., a firm. MAILING WRAPPERS. Class 37.

238,208. "CIRCLE G" ETC. ENCLOSED BY CIRCULAR DESIGN. Registered Jan. 31, 1928. H. S. Groat & Company. Renewed Jan. 31, 1948, to Jensen-McLean Company, Inc., Seattle, Wash., a corporation of Washington. CANNED FRUITS—NAMELY, PEACHES, PEARS, APRICOTS, AND APPLES; ETC. Class 46.

243,080. CALSOMA. Registered June 12, 1928. Abbott Laboratories, North Chicago, Ill., a corporation of Chicago. Renewed June 12, 1948. ANTACID AND DIGESTANT. Class 6.

245,295. CRAFTONE. Registered Aug. 7, 1928. Quaker Lace Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Aug. 7, 1948. LACE CURTAINS AND CURTAIN LACE IN PIECE GOODS MANUFACTURED AND SOLD BY US TO THE TRADE AND TO THE PUBLIC. Class 42.

245,467. DURA-DRI. Registered Aug. 14, 1928. York Manufacturing Company, doing business as Yomanco Production Co., Saco, Maine. Renewed Aug. 14, 1948, to Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine. WATER-PROOFED TEXTILE FABRICS. Class 42.

248,184. FREZRITE. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,185. PROTECTOR. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,186. VELVATEX. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,187. STABILO. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,188. CREMTEX. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,189. TEXTURA. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,190. SUPERLA. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,193. CREMELAC. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,194. VELVALAC. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,196. LACTEX. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,316. ECONOMIX. Registered Oct. 16, 1928. Swift and Company. Renewed Oct. 16, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. GELATIN. Class 46.

248,473. "DUNLAPS" AND REPRESENTATION OF A HORSE. Registered Oct. 23, 1928. Ethelbert Hugh Dunlap, doing business as Dunlap Medicine Company. Renewed Oct. 23, 1948, to Morna Wright, doing business as Morna Wright Medicine Company, Memphis, Tenn. MEDICINE FOR THE TREATMENT OF COLIC IN MULES AND HORSES. Class 6.

248,772. "WILCO" ETC. AND DESIGN. Registered Oct. 30, 1928. H. F. Wilcox Oil & Gas Company. Renewed Oct. 30, 1948, to Wilcox Oil Company, Tulsa, Okla., a corporation of Delaware. GASOLINE, CRUDE OIL, ILLUMINATING OIL, FUEL OIL, AND LUBRICATING OIL. Class 15.

248,782. PORTO RICAN MAID. Registered Oct. 30, 1928. Abraham Radinsky, doing business as Porto Rican Undergarment Co. Renewed Oct. 30, 1948, to Pacific Undergarment Co. Inc., New York, N. Y., a corporation of New York. LADIES', MISSES', AND CHILDREN'S TEXTILE UNDERWEAR IN ONE AND TWO PIECE GARMENTS. Class 39.

249,628. PACQUIN'S. Registered Nov. 20, 1928. Pacquin, Inc., New York, N. Y. Renewed Nov. 20, 1948, to Pacquin-Lester Company, Litchfield, Conn., a partnership. CLEANSING AND SHAVING SOAP IN SOLID, LIQUID, POWDERED, OR CREAM FORM. Class 4.

249,695. FRYENE. Registered Nov. 20, 1928. Swift and Company. Renewed Nov. 20, 1948, to Swift & Company, Chicago, Ill., a corporation of Illinois. FRYING FAT. Class 46.

251,076. CONGRESS. Registered Dec. 25, 1928. Max Gelles, doing business as Gelles Neckwear Co., Boston, Mass. Renewed Dec. 25, 1948. MEN'S NECKTIES OF ALL SHAPES AND FORMS, INCLUDING BOW TIES AND BAND BOWS, AND MUFFLERS. Class 39.

251,466. MECHANICS. Registered Jan. 8, 1929. Mechanics Machine Company, Rockford, Ill., assignor to Mechanics Universal Joint Company. Renewed Jan. 8, 1949, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. UNIVERSAL JOINTS AND CHANGE-SPEED TRANSMISSIONS. Class 23.

251,482. "DAINTINAPS" AND REPRESENTATION OF A NURSE. Registered Jan. 8, 1929. S. H. Kress and Company, New York, N. Y., a corporation of New York. Renewed Jan. 8, 1949. SANITARY NAPKINS. Class 44.

252,199. SUPER D. Registered Jan. 29, 1929. The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan. Renewed Jan. 29, 1949. COD-LIVER OIL. Class 6.

252,553. "RED SEAL" AND DESIGN LINED FOR RED. Registered Feb. 12, 1929. The J. B. Ford Company, Wyandotte, Mich. Renewed Feb. 12, 1949, to B. T. Babbitt, Inc., New York, N. Y., a corporation of New York. LYE AND CHLORINATED LIME. Class 6.

253,286. "RCA" AND DESIGN. Registered Feb. 26, 1929. Radio Corporation of America. Renewed Feb. 26, 1949, to Radio Corporation of America, New York, N. Y., a corporation of Delaware. BROADCAST TRANSMITTERS, QUARTZ CRYSTALS, CONDENSER MICROPHONES, MODULATION REACTORS, ETC. Class 21.

253,531. CUTNO. Registered Feb. 26, 1929. Greene, Tweed & Co., New York, N. Y. Renewed Feb. 26, 1949, to Greene, Tweed & Co., North Wales, Pa., a corporation of New York. PACKING FOR STUFFING BOXES THAT COME INTO CONTACT WITH A FLUID CONTAINING CAUSTIC SODA OR OTHER CHEMICALS OF AN ALKALI NATURE. Class 35.

253,532. PELRO. Registered Feb. 26, 1929. Greene, Tweed & Co., New York, N. Y. Renewed Feb. 26, 1949, to Greene, Tweed & Co., North Wales, Pa., a corporation of New York. PACKING FOR USE IN STUFFING BOXES THAT COME IN CONTACT WITH GASOLINE, ALCOHOL, NAPTHA, AND OTHER DISTILLATES OF PETROLEUM. Class 35.

253,671. VITALITE. Registered Mar. 5, 1929. The Adjustable Fixture Co., Milwaukee, Wis., a corporation of Wisconsin. Renewed Mar. 5, 1949. LIGHT AND HEAT REFLECTORS FOR THERAPEUTIC PURPOSES. Class 44.

254,056. AUREATE. Registered Mar. 12, 1929. Dorothy Gray. Renewed Mar. 12, 1949, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware. TOILET PREPARATIONS AS FOLLOWS: FACE POWDER, POWDER COMPACTS, ROUGE COMPACTS, ETC. Class 6.

254,213. VEGETIZED. Registered Mar. 12, 1929. William R. Thomas, Los Angeles, Calif., assignor to Vegetable Products Corporation. Renewed Mar. 12, 1949, to Sokol & Company, Chicago, Ill., a corporation of Illinois. BREAD, WAFERS—NAMELY, BISCUITS AND COOKIES. Class 46.

254,302. REPRESENTATION OF RAILROAD ENDS AND DESIGN. Registered Mar. 19, 1929. The West Virginia Rail Company. Renewed Mar. 19, 1949, to West Virginia Steel and Manufacturing Company, Huntington, W. Va., a corporation of West Virginia. STEEL AND METAL RAILROAD TIES AND RAILS, STEEL AND METAL MINE TIES AND RAILS, ETC. Class 14.

254,644. JE T'AIME. Registered Mar. 26, 1929. Bourjois Inc. Renewed Mar. 26, 1949, to Bourjois, Inc., New York, N. Y., a corporation of New York. PERFUME, TOILET WATER, FACE POWDER, BATH POWDER, COMPACT POWDER, ROUGE, LIP STICK, AND TALCUM POWDER. Class 6.

TRADE-MARK REGISTRATIONS CANCELED

250,542. EVEREADY PRESTONE. Registered Dec. 11, 1928. National Carbon Company, Inc., New York, N. Y. LIQUID COMPOUNDS FOR THE PREVENTION OF FREEZING AND BOILING OF WATER, ETC. Class 6. Canceled Nov. 29, 1948.

258,853. LA CONTADINA. Registered July 16, 1929. West Virginia Macaroni Co., Clarksburg, W. Va. MACARONI AND SPAGHETTI. Class 46. Canceled Nov. 24, 1948.

299,925. ORCHID "LINE" AND DESIGN. Registered Dec. 27, 1932. Metro Hosiery Co., Inc., New York, N. Y. HOSIERY FOR MEN, WOMEN, AND CHILDREN. Class 39. Canceled Nov. 24, 1948.

305,044. PENCO 1869. Registered July 25, 1933. Penn Metal Company, Boston, Mass. METAL SHINGLES, METAL LATHS, ETC. Class 12. Canceled Nov. 19, 1948.

334,671. BONAVITA. Registered May 12, 1936. Tampa Importers, Inc., New York, N. Y. CIGARS. Class 17. Canceled Nov. 24, 1948.

391,839. CASUAL-CRAFT AND DESIGN. Registered Nov. 25, 1941. Classique Modes, Inc., Chicago, Ill. LADIES' SPORTSWEAR—NAMELY, DRESSES, SUITS, ETC. Class 39. Canceled Nov. 24, 1948.

392,064. GEM LITE AND DESIGN. Registered Dec. 9, 1941. Gemloid Corporation, Elmhurst, Long Island, N. Y. PLASTIC CASTINGS USED FOR MOLDING PICTURE PLAQUES, ETC. Class 50. Canceled Nov. 24, 1948.

399,835. "SHAFCO". Registered Feb. 2, 1943. Sawyer-Hare Furnace Company, Detroit, Mich. OVERHEAD OIL FIRED FURNACE. Class 34. Canceled Nov. 24, 1948.

421,662. ROWLEY AND DESIGN. Registered June 4, 1946. Regal Knitwear Co., Inc., New York, N. Y. BOYS' KNIT SWEATERS, KNIT PANTY SUITS, ETC. Class 39. Canceled Nov. 24, 1948.

426,133. DUR-L-LISLE. Registered Dec. 17, 1946. Moses Lavinsky, Medford, N. J. PIECE GOODS MADE OF COTTON FIBER. Class 42. Canceled Nov. 24, 1948.

426,757. THE NOBLE UNIFORMS AND HERALDIC DESIGN. Registered Jan. 7, 1947. Alex L. Klavans, Brooklyn, N. Y. NURSES UNIFORMS, MAIDS UNIFORMS, AND APRONS. Class 39. Canceled Nov. 24, 1948.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

180,677. ECO. Registered Mar. 4, 1924. Economy Fuse and Manufacturing Company, Chicago, Ill. ELECTRICAL FUSES. Class 21. Corrected as follows: In the certificate, line 4, and in the statement, line 4, "Illinois" should be *New York*.

221,012. "STOP-FIRE". Registered Nov. 23, 1926. Societe Anonyme "Stop Fire", Paris, France. PORTABLE FIRE EXTINGUISHER PARTICULARLY APPLICABLE FOR AUTOMOBILES. Class 23. Corrected as follows: In the renewal certificate, line 4, for "November 23, 1920" read *November 23, 1926*; and line 10, for "November 23, 1940" read *November 23, 1946*.

325,992. CAM-PHO-SAL. Registered July 9, 1935. Dr. Salsbury's Laboratories, Charles City, Iowa. ANTISEPTIC FOR TREATING POULTRY AND BIRDS. Class 6. The drawing is hereby amended to appear as follows:

CAN-PHO-SAL

393,311. FOOT WINGS. Registered Feb. 3, 1942. The Scholl Mfg. Co., Inc., Chicago, Ill. ARCH SUPPORTS. Class 44. Corrected as follows: In the certificate, line 4, and in the statement, line 3, "Illinois" should be *New York*.

426,798. "PHOS-TRODE" AND DESIGN. Registered Jan. 14, 1947. Ampco Metal, Inc., Milwaukee, Wis. METALLIC WELDING RODS AND ARC WELDING ELECTRODES. Class 14. Corrected as follows: The drawing should appear as shown below instead of as in the registration.



437,901. AIRMEC. Registered Apr. 6, 1948. Aircraft and Mechanical Productions Limited, High Wycombe, Great Britain, now by change of name Airmec Limited. RADIO RECEIVING SETS, RADIO TRANSMITTING SETS, ETC. Class 21. Corrected as follows: In the statement, first column, line 10, description of merchandise, after the comma and before "ELECTRIC" insert *TELEVISION SETS*,.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 101,288. Registered Nov. 24, 1914. J. W. & A. P. HOWARD & CO., LTD., Corry, Pa. Republished by J. W. & A. P. Howard Company, Corry, Pa., a corporation of Pennsylvania.

GLEN-OAK

The word "Oak" is disclaimed apart from the mark as shown.
FOR SOLE-LEATHER.
Claims use since about Oct. 1, 1912.

Reg. No. 173,306. Registered Sept. 18, 1923. CENTRAL INDIANA COAL CO., Indianapolis, Ind. Republished by Central Indiana Coal Company, Inc., Indianapolis, Ind., a corporation of Indiana.

AMBER JACKET SIX

FOR COAL.
Claims use since Sept. 10, 1918.

Reg. No. 192,014. Registered Nov. 25, 1924. GENERAL COAL COMPANY, Wilmington, Del., and Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

GENERAL COAL

The word "Coal" is disclaimed apart from the mark as shown.
FOR COAL AND COKE.
Claims use since Mar. 1, 1924.

Reg. No. 271,759. Registered June 17, 1930. LOUISIANA FURS, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

LAFI

FOR PELTS OR UNFINISHED FURS, SUCH AS MUSKRAT, OPOSSUM, MINK, RACOON, OTTER, AND OTHERS.
Claims use since Jan. 1, 1930.

Reg. No. 280,684. Registered Feb. 24, 1931. J. W. & A. P. HOWARD COMPANY, Corry, Pa., a corporation of Pennsylvania. Republished by registrant.

SPECIAL SOLE LEATHER KORRY

The words "Special Sole Leather" are disclaimed apart from the mark as shown.
FOR SOLE LEATHER.
Claims use since 1918.

Reg. No. 330,127. Registered Nov. 19, 1935 J. W. & A. P. HOWARD COMPANY, Corry Pa., a corporation of Pennsylvania. Republished by registrant.

KORRYKROME

FOR SOLE-LEATHER.
Claims use since Oct. 1, 1910.

Reg. No. 390,845. Registered Oct. 7, 1941. GENERAL COAL COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

GE-NE-RAL

FOR COAL.
Claims use since Feb. 27, 1941.

CLASS 2

RECEPTACLES

Reg. No. 222,949. Registered Jan. 11, 1927. KANSAS CITY WHOLESALE GROCERY CO., Kansas City, Mo. Republished by Pickwick Products, Inc., Kansas City, Mo., a corporation of Missouri.

PICKWICK

FOR PAPER BAGS.
Claims use since July 1910.

Reg. No. 243,509. Registered June 26, 1928. FEDERAL CONTAINER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

TUF-FIR

FOR BOXES AND SHIPPING CASES OF FIBROUS MATERIAL.
Claims use since Jan. 5, 1928.

Reg. No. 319,084. Registered Nov. 13, 1934. G. H. TENNANT COMPANY, Minneapolis, Minn. Republished by Superior Metal Products Company, New York, N. Y., and St. Paul, Minn., a corporation of Delaware.

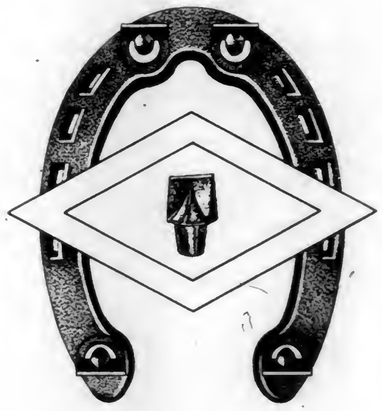
ARMOR KLAD

The words "Armor Klad" are disclaimed apart from the mark as shown.
FOR BOTTLE CRATES OF WOOD AND METAL.
Claims use since Jan. 1, 1927.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 168,676. Registered May 29, 1923. DIAMOND CALK HORSE SHOE COMPANY, Duluth, Minn., a corporation of Minnesota. Republished by registrant.



The representation of the horseshoe and horseshoe calk is disclaimed apart from the mark as shown.
FOR HORSESHOES AND HORSESHOE CALKS.
Claims use since August 1908.

CLASS 4

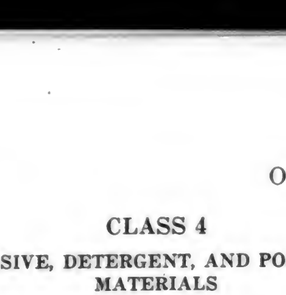
ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 50,120. Registered Mar. 6, 1906. WILLIAMSVILLE MANUFACTURING COMPANY, Killingly, Conn. Republished by Williamsville Buff Mfg. Co., Danielson, Conn., a corporation of Connecticut.



FOR COTTON-CLOTH BUFF-WHEELS.
Claims use since July 1894.

Reg. No. 128,961. Registered Jan. 20, 1920. IRWIN W. COX, Chicago, Ill. Republished by The S.O.S. Company, Chicago, Ill., a corporation of Delaware.



FOR CLEANSER AND POLISH.
Claims use since Jan. 1, 1919.

Reg. No. 148,228. Registered Nov. 8, 1921. E. REED BURNS SUPPLY COMPANY, Brooklyn, N. Y. Republished by E. Reed Burns Mfg. Corp., Brooklyn, N. Y., a corporation of New York.



FOR POLISHING COMPOSITIONS—NAMELY, BUFFS, POLISHING-WHEELS, AND METAL-POLISH.
Claims use since 1915.

Reg. No. 155,734. Registered June 6, 1922. RUSSELL B. KINGMAN, Orange, N. J., assignor to The Chore Utensils Corporation of America. Republished by Metal Textile Corporation, Roselle, N. J., a corporation of Delaware.



The representation of the goods is disclaimed apart from the mark as shown.
FOR SCOURING CLOTHS.
Claims use since Aug. 25, 1921.

Reg. No. 163,807. Registered Jan. 30, 1923. THE CHORE UTENSILS CORPORATION OF AMERICA, Orange, N. J. Republished by Metal Textile Corporation, Roselle, N. J., a corporation of Delaware.

CHORE
BALL

FOR SCOURING UTENSILS.
Claims use since May 25, 1922.

Reg. No. 165,073. Registered Mar. 6, 1923. THE PIERCE COMPANY, East Rochester, N. Y. Republished by The Pierce Oil Products Corp., East Rochester, N. Y., a corporation of New York.

DURAFILM

FOR OILS FOR TREATING ARTIFICIAL AND REAL LEATHER.
Claims use since December 1921.

Reg. No. 167,897. Registered May 8, 1923. THE CHORE UTENSILS CORPORATION OF AMERICA, Orange, N. J. Republished by Metal Textile Corporation, Roselle, N. J., a corporation of Delaware.

BOY

FOR SCOURING UTENSILS.
Claims use since Aug. 11, 1922.

Reg. No. 224,295. Registered Feb. 22, 1927. KANSAS CITY WHOLESALE GROCERY CO., Kansas City, Mo. Republished by Pickwick Products, Inc., Kansas City, Mo., a corporation of Missouri.

PICKWICK

FOR SOAP.
Claims use since April 1924.

Reg. No. 275,339. Registered Sept. 23, 1930. JEWEL PAINT & VARNISH CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

JEWEL

FOR METAL POLISH.
Claims use since Mar. 1, 1910.

Reg. No. 292,060. Registered Mar. 1, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.

Vanta

FOR CASTILE SOAP.
Claims use since Aug. 19, 1931.

Reg. No. 292,130. Registered Mar. 1, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



FOR CASTILE SOAP.
Claims use since Aug. 19, 1931.

Reg. No. 292,131. Registered Mar. 1, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



FOR CASTILE SOAP.
Claims use since Aug. 19, 1931.

Reg. No. 319,897. Registered Dec. 11, 1934. MRS. OMAR H. SCHNELLE, doing business as Omar Products Company, Columbus, Ohio. Republished by Omar H. Schnelle, doing business as Omar Products Company, Columbus, Ohio.



The drawing is lined to indicate red and blue.
FOR WALLPAPER CLEANER.
Claims use since later part of June 1934.

Reg. No. 324,538. Registered May 21, 1935. COLORGLO PRODUCTS, Whittier, Calif., a firm. Republished by registrant.

colorglo

FOR CLEANER FOR FURNITURE AND AUTOMOBILE UPHOLSTERY, TRAFFIC FILM REMOVER AND RUBBING COMPOUND.
Claims use since July 21, 1934.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 25,787. Registered Jan. 1, 1895. JOHN CARNRICK, New York, N. Y. Republished by Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey.

PROTONUCLEIN

FOR NUTRITIVE COMPOUND FOR BUILDING TISSUE AND DESTROYING GERMS IN THE SYSTEM.
Claims use since Oct. 20, 1894.

Reg. No. 29,704. Registered Mar. 16, 1897. CHARLES H. LANYON, Chicago, Ill. Republished by Lester H. Lanyon, Chicago, Ill.



FOR LINIMENT DESIGNED ESPECIALLY FOR USE UPON HORSES.
Claims use since about June 1, 1892

Reg. No. 44,550. Registered July 11, 1905. E. C. DE WITT & Co., Chicago, Ill. Republished by E. C. De Witt & Co. Inc., Chicago, Ill., a corporation of New York.



FOR CREAM FOR EXTERNAL APPLICATION.
Claims use since January 1891.

Reg. No. 45,039. Registered Aug. 1, 1905. E. C. DE WITT & Co., Chicago, Ill. Republished by E. C. De Witt & Co. Inc., Chicago, Ill., a corporation of New York.



FOR SALVES.
Claims use since Apr. 1, 1891.

Reg. No. 99,387. Registered Aug. 25, 1914. ALPHONSE P. FOOSE, Dayton, Ohio. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.



FOR REMEDY FOR FOOT AILMENTS.
Claims use since Oct. 1, 1910.

Reg. No. 110,997. Registered June 20, 1916. THE SEPTIGYN COMPANY, Dallas, Tex. Republished by Myra German Thompson, also known as Mrs. O. J. Thompson, trading as The O. J. Thompson Co., Dallas, Tex.

Septigyn

FOR MEDICINES TO BE USED AS AN ANTISEPTIC.
Claims use since Jan. 1, 1909.

Reg. No. 180,743. Registered Mar. 4, 1924. SCHRAMM-JOHNSON, DRUGS, Salt Lake City, Utah. Republished by Carrel, Ltd., Chicago, Ill., a corporation of Illinois.

HILLROSE

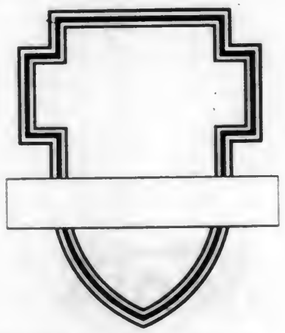
FOR HAIR DRESSING, BATH SALTS, ALMOND-MEAL CREAM, A CREAM FOR EXTREME PERSPIRATION; SALVE AND TINT FOR TINTING THE LIPS, CHEEKS AND FINGER NAILS; PREPARED HENNA, HAIR TONIC, VANISHING CREAM, BANDOLINE, LIQUID NAIL ENAMEL, AND EAU DE QUININE.
Claims use since 1906.

Reg. No. 184,349. Registered May 20, 1924. GENERAL CHEMICAL COMPANY, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

ORCHARD

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Apr. 1, 1908.

Reg. No. 184,350. Registered May 20, 1924. GENERAL CHEMICAL COMPANY, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Republished by registrant.



FOR INSECTICIDES AND FUNGICIDES.
Claims use since Sept. 11, 1923.

Reg. No. 192,053. Registered Nov. 25, 1924. E. C. DE WITT & Co. INC., Chicago, Ill., a corporation of New York. Republished by registrant.

DeWitt's



FOR EYE BATH.
Claims use since October 1922.

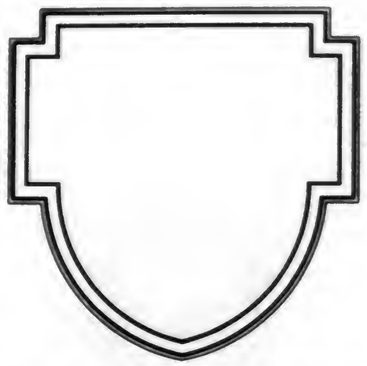
Reg. No. 201,008. Registered July 14, 1925. E. C. DE WITT & Co. INC., Chicago, Ill., a corporation of New York. Republished by registrant.



Baby COUGH SYRUP

The words "Cough Syrup" are disclaimed apart from the mark as shown.
FOR COUGH SIRUP.
Claims use since January 1924.

Reg. No. 215,759. Registered July 27, 1926. GENERAL CHEMICAL COMPANY, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Republished by registrant.



FOR HEAVY CHEMICALS, ALSO KNOWN AS COMMERCIAL OR TECHNICAL CHEMICALS, AND FOR REAGENT CHEMICALS.
Claims use since November 1925.

Reg. No. 274,643. Registered Sept. 2, 1930. WALGREEN CO., doing business as Valentine Laboratories, Chicago, Ill. Republished by Valentine Laboratories, Inc., Chicago, Ill., a corporation of Illinois.

ANIDON

FOR TABLETS FOR THE RELIEF OF DISTRESS AND DISCOMFORT DUE TO SIMPLE HEADACHE, HEAD COLDS, MUSCULAR ACHES AND PAINS, AND AFTER TOOTH EXTRACTION.
Claims use since Mar. 27, 1930.

Reg. No. 285,647. Registered Aug. 4, 1931. GERMANIA TEA COMPANY, Minneapolis, Minn. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.



The drawing is lined for blue.
FOR MEDICINES—NAMELY, AN HERB TEA FOR CAUSING THE ORGANS TO ELIMINATE.
Claims use since Mar. 1, 1927.

Reg. No. 292,487. Registered Mar. 15, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



FOR STERILIZED BABY POWDER.
Claims use since Aug. 19, 1931.

Reg. No. 292,488. Registered Mar. 15, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.

Vanta

FOR STERILIZED BABY POWDER.
Claims use since Aug. 19, 1931.

Reg. No. 292,489. Registered Mar. 15, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



Vanta

FOR STERILIZED BABY POWDER.
Claims use since Aug. 19, 1931.

Reg. No. 292,558. Registered Mar. 15, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



FOR STERILIZED OLIVE OIL.
Claims use since Aug. 19, 1931.

Reg. No. 292,579. Registered Mar. 15, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



Vanta

FOR STERILIZED OLIVE OIL.
Claims use since Aug. 19, 1931.

Reg. No. 292,580. Registered Mar. 15, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.

Vanta

FOR STERILIZED OLIVE OIL.
Claims use since Aug. 19, 1931.

Reg. No. 303,123. Registered May 9, 1933. THE DRACKETT CHEMICAL COMPANY, Cincinnati, Ohio. Republished by The Drackett Company, Cincinnati, Ohio, a corporation of Ohio.

Drackett

FOR CAUSTIC SODA, CHLORINATED LIME, EPSOM SALT, LYE, AND CHEMICAL PREPARATIONS IN THE NATURE OF A DRAIN PIPE SOLVENT FOR CLEANSING DRAINS, SINKS, WASHBOWLS, KITCHEN UTENSILS, BATH ROOM FIXTURES, GARBAGE RECEPTACLES, AND THE LIKE.
Claims use since on or about Jan. 1, 1921.

Reg. No. 312,053. Registered Apr. 17, 1934. WM. P. POYTHRESS & CO., INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

URO PHOSPHATE S

The words "Uro-Phosphate" are disclaimed apart from the mark as shown.
FOR PREPARATION USEFUL IN THE TREATMENT OF URINARY INFECTION OF THE COLON BACILLUS ORIGIN.
Claims use since Aug. 28, 1918.

Reg. No. 330,278. Registered Nov. 26, 1935. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

"HELPS"

The drawing is lined for red and gold. No claim is made to the word "Helps" or to the representation of the container apart from the mark as shown.
FOR LOZENGES FOR THE TREATMENT OF COUGHS, COLDS, AND SORE THROATS.
Claims use since Mar. 6, 1935.

Reg. No. 330,411. Registered Dec. 3, 1935. DALARE ASSOCIATES, Philadelphia, Pa., a partnership. Republished by registrant.

DALARE ASSOCIATES

FOR FERMENTED CULTURES, VETERINARY ANTISEPTIC, DEODORANTS, GERMICIDES, DUSTING POWDER, FLEA AND LICE POWDER, AND QUICK KURD SOUR MILK TESTING SOLUTION.
Claims use since May 1, 1935.

Reg. No. 342,305. Registered Jan. 12, 1937. WM. P. POTTBRESS & CO., INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

TCS

FOR DIURETIC DRUG USED IN TREATING HYPERTENSION, ANGINA PECTORIS, CORONARY THROMBOSIS, MYOCARDIAL INSUFFICIENCY, EDEMA, AND RELATED CONDITIONS.
Claims use since July 27, 1935.

Reg. No. 343,025. Registered Feb. 9, 1937. SWEET FEET, INCORPORATED, Gulfport, Miss., a corporation of Mississippi. Republished by registrant.

SWEET FEET

FOR PREPARATION FOR DEODORIZING AND TREATING ATHLETE'S FOOT.
Claims use since May 15, 1936.

Reg. No. 355,102. Registered Mar. 8, 1938. WALGREEN CO., doing business as Valentine Laboratories, Chicago, Ill. Republished by Valentine Laboratories, Inc., Chicago, Ill., a corporation of Illinois.

CERADYNE

The drawing is lined for shading.
FOR ANTI-PAIN TABLET.
Claims use since July 1937.

Reg. No. 364,913. Registered Feb. 21, 1939. WALGREEN CO., doing business as Union Drug Co., Chicago, Ill. Republished by Valentine Laboratories, Inc., Chicago, Ill., a corporation of Illinois.

BISMADINE

FOR MEDICINE FOR USE AS A STOMACHIC PREPARATION.
Claims use since December 1929.

Reg. No. 366,255. Registered Apr. 4, 1939. WM. P. POTTBRESS & CO. INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

ANTROCOL

FOR ANTISPASMODIC AND SEDATIVE DRUG USED IN THE TREATMENT OF GASTROINTESTINAL DISTURBANCES, SMOOTH MUSCLE SPASMS, HYPERCHLORHYDRIA, HYPERTENSION, CARDIAC NEUROSES, DYSMENORRHEA, BRONCHIAL ASTHMA, AND RELATED DYSFUNCTIONS.
Claims use since Oct. 1, 1938.

Reg. No. 393,169. Registered Jan. 27, 1942. VALENTINE LABORATORIES, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

FORMULA 2 0 SHAMPOO

The words "Formula" and "Shampoo" are disclaimed apart from the mark as shown. The drawing is lined for gold.
FOR SHAMPOO.
Claims use since March 1941.

Reg. No. 394,578. Registered Apr. 14, 1942. THE WHITE & BAGLEY COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

VITASOLV

FOR LIQUID FLUSHING AND CLEANING COMPOUND FOR FLUSHING AND CLEANING MOTORS, ENGINES, GEARS AND GEARING, GEAR BOXES, AND CRANK CASES.
Claims use since Mar. 16, 1938.

Reg. No. 396,215. Registered June 30, 1942. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md., a corporation of Maryland. Republished by registrant.

ROSUL

FOR CHEMICALS AND INSECTICIDES FOR SPRAYING AND DUSTING PURPOSES.
Claims use since Nov. 17, 1941.

Reg. No. 399,596. Registered Jan. 19, 1943. THE PIERCE OIL PRODUCTS CORP., East Rochester, N. Y., a corporation of New York. Republished by registrant.

VORITE

FOR PROCESSED VEGETABLE OIL PRODUCT FOR USE AS A RUBBER SUBSTITUTE, RUBBER EXTENDER, RUBBER PLASTICIZER, A SYNTHETIC RUBBER SUBSTITUTE, RUBBER EXTENDER AND RUBBER PLASTICIZER, AND ALSO HAVING INCIDENTAL PROPERTIES FOR USE IN PAINTS, VARNISHES, ENAMELS, AND RESINS.
Claims use since July 27, 1904.

Reg. No. 405,280. Registered Jan. 18, 1944. CARREL, LTD., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Hillrose K

FOR LOTION FOR ROUGH HANDS, WHICH SOFTENS, WHITENS, PROTECTS AND BEAUTIFIES THE SKIN.
Claims use since July 9, 1930.

Reg. No. 408,195. Registered July 25, 1944. VALENTINE LABORATORIES, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

BERITE

FOR VITAMIN PREPARATION FOR INTERNAL USE FOR TREATMENT OF VITAMIN DEFICIENCY.
Claims use since Feb. 9, 1944.

Reg. No. 410,073. Registered Nov. 7, 1944. CENTRAL CHEMICAL CORPORATION, Everett, Pa., and Hagerstown, Md., a corporation of Maryland. Republished by registrant, present address Hagerstown, Md.

PRO-TEX

FOR INSECTICIDE AND FUNGICIDE.
Claims use since May 1937.

Reg. No. 413,250. Registered Apr. 17, 1945. VALENTINE LABORATORIES, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

FORMULA 20

The word, "Formula," and the red colored label are disclaimed apart from the mark as shown. The drawing is lined for the colors red and silver.
FOR HAIR TONIC.
Claims use since June 26, 1935.

Reg. No. 413,258. Registered Apr. 17, 1945. OLAFSEN VITAMINS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

BAYTOL

FOR VITAMIN PREPARATION FOR INTERNAL USE FOR TREATMENT OF VITAMIN DEFICIENCY, BEING A MEDICINE.
Claims use since Jan. 3, 1944.

Reg. No. 414,502. Registered June 12, 1945. E. C. DE WITT & CO. INC., Chicago, Ill., a corporation of New York. Republished by registrant.

CREOSANT

FOR EXPECTORANT AND A COUGH SYRUP FOR COUGHS DUE TO COLDS.
Claims use since October 1935.

Reg. No. 415,402. Registered Aug. 7, 1945. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md., a corporation of Maryland. Republished by registrant.

N-R-S DUST

The word "Dust" is disclaimed apart from the mark as shown.
FOR CHEMICALS AND INSECTICIDES FOR SPRAYING AND DUSTING PURPOSES.
Claims use since Feb. 21, 1944.

Reg. No. 432,437. Registered Sept. 2, 1947. HANSON-VAN WINKLE-MUNNING COMPANY, Matawan, N. J., a corporation of New Jersey. Republished by registrant.

ALBALOY

FOR ELECTROPLATING BATH INGREDIENTS.
Claims use since May 22, 1946.

Reg. No. 434,186. Registered Nov. 11, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

MERRIMENT

FOR LIPSTICKS, ROUGES, AND NAIL POLISH.
Claims use since Oct. 17, 1946.

Reg. No. 434,322. Registered Nov. 18, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

ROSY MORN

FOR LIPSTICK, ROUGE, NAIL POLISH.
Claims use since July 1940.

Reg. No. 434,354. Registered Nov. 18, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

FORGIVE ME

FOR PERFUMES, TOILET WATERS, AND COLOGNES.
Claims use since Aug. 28, 1946.

Reg. No. 434,432. Registered Nov. 18, 1947. U. S. STANDARD PRODUCTS CO., Woodworth, Wis., a corporation of Wisconsin. Republished by registrant.

ZYCLOPHEN

FOR PHARMACEUTICAL PREPARATION FOR EXPERIMENTAL USE ONLY IN TREATMENT OF FUNGUS INFECTIONS AND SCABIES.
Claims use since July 1, 1944.

CLASS 7

CORDAGE

Reg. No. 115,269. Registered Feb. 6, 1917. AMERICAN MANUFACTURING COMPANY, Boston, Mass., and Brooklyn, N. Y., a corporation of Massachusetts. Republished by registrant, present address Brooklyn, N. Y.

CLIPPER

FOR ROPE, CORD, LINES, AND TWINE MANUFACTURED FROM VEGETABLE FIBER.
Claims use since Sept. 27, 1916.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 323,757. Registered Apr. 30, 1935. MATCH KING, INC., Chicago, Ill. Republished by Galter Products Co., Chicago, Ill., a corporation of Illinois.

Jumbo

FOR PYROPHORIC CIGAR AND CIGARETTE LIGHTERS.
Claims use since on or about June 1, 1930.

CLASS 10

FERTILIZERS

Reg. No. 353,017. Registered Dec. 21, 1937. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md., a corporation of Maryland. Republished by registrant.

CENTRAL CHEMICAL CORPORATION OF MD · DEPENDABLE · FARMRITE · QUALITY · HAGERSTOWN · MARYLAND

The words "Dependable Quality" and "Hagerstown Maryland" are disclaimed apart from the mark as shown.
FOR FERTILIZERS.
Claims use since May 12, 1937.

Reg. No. 374,186. Registered Jan. 2, 1940. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md., a corporation of Maryland. Republished by registrant.

CENTRAL CHEMICAL CORPORATION OF MD. · FARMRITE · HAGERSTOWN MARYLAND

FAMOUS

The words "Dependable Quality" and "Hagerstown Maryland" are disclaimed apart from the mark as shown.
FOR FERTILIZERS.
Claims use since May 25, 1937.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 283,238. Registered May 19, 1931. MOSINEE PAPER MILLS COMPANY, Mosinee, Wis., a corporation of Wisconsin. Republished by registrant.

CORDEX

FOR THERMAL INSULATING PAPER.
Claims use since Aug. 15, 1930.

Reg. No. 330,697. Registered Dec. 10, 1935. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

ALAMO

FOR FIRE BRICK.
Claims use since May 23, 1935.

Reg. No. 345,612. Registered May 4, 1937. THE R. C. A. RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Republished by registrant.

"FLEXI-FLOR"

The word "Flor" is disclaimed apart from the mark as shown.
FOR RUBBER COMPOSITION FLOORING MATERIALS OR RUBBER TILING.
Claims use since Sept. 21, 1934.

Reg. No. 345,613. Registered May 4, 1937. THE R. C. A. RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Republished by registrant.

WALL-FLEX

FOR RUBBER TILING IN SHEET OR BLOCK FORM FOR WAINSCOATING AND WALL SURFACES.
Claims use since Nov. 1, 1935.

Reg. No. 427,307. Registered Feb. 4, 1947. ALSCO, INC., Akron, Ohio, a corporation of Ohio. Republished by registrant.

ALSCO

FOR STORM WINDOWS AND STORM DOORS.
Claims use since Dec. 27, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 88,364. Registered Sept. 10, 1912. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

R & L BCo

FOR STERLING SILVER KNIVES, FORKS, SPOONS, TONGS, LADLES, SIFTERS, PINS, BUCKLES, BROOCHES, NAPKIN RINGS, NAPKIN MARKERS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, TEA STRAINERS, BAGS, CUPS, CASES, CHESTS, AND THE FOLLOWING NAMED GOODS HAVING STERLING SILVER MOUNTINGS: BUTTONS, CHAINS, RINGS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOXES, BOTTLES, MUGS, COASTERS, BRUSHES, COMBS, MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, BUTTON-HOOKS, BUFFERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES AND WHISTLES, BELLS, MARKERS AND LOCKETS.
Claims use since Sept. 1, 1902.

Reg. No. 145,191. Registered July 26, 1921. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

Treasure

FOR KNIVES, FORKS, SPOONS, LADLES, TONGS, TEA BALLS, TEA STRAINERS, SIFTERS, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, CHILDREN'S CUPS, BOWLS, PITCHERS, DISHES, POTS, PLATTERS, SERVERS, MUGS, COASTERS, CANDLESTICKS, VASES, BOTTLE OPENERS, CORKSCREWS, MUFFINEERS, BELLS, BOTTLES, BABY RATTLES, RATTLE-WHISTLES, BABY PINS, BROOCHES, TRAYS, BOXES, BUFFERS, JARS, BRUSHES, COMBS, MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, AND BUTTON HOOKS, ALL MADE PARTLY OR WHOLLY OF SILVER OR PLATED OR ORNAMENTED THEREWITH.
Claims use since Dec. 2, 1920.

Reg. No. 151,482. Registered Feb. 7, 1922. FRANKLIN SILVER PLATE COMPANY, Greenfield, Mass. Republished by Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts.

WEE FOLK'S

FOR KNIVES, FORKS, SPOONS, NAPKIN RINGS, NAPKIN MARKERS, CUPS, BOWLS, DISHES, PLATTERS, SERVERS, TRAYS, MUGS, BRUSHES, COMBS, MIRRORS, BABY PINS, BABY RATTLES, WHISTLES, BELLS AND LOCKETS, ALL OF SAID ARTICLES BEING MADE WHOLLY OR IN PART OF STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD AND GOLD PLATE.
Claims use since Feb. 2, 1921.

Reg. No. 161,601. Registered Nov. 14, 1922. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

Little Men and Little Women

FOR BABIES' AND CHILDREN'S TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, NAPKIN RINGS, NAPKIN MARKERS, CUPS, BOWLS, DISHES, PLATTERS, SERVERS, TRAYS, MUGS, BRUSHES, COMBS, MIRRORS, BABY PINS, LOCKETS, BABY RATTLES, AND BELLS, ALL OF SAID ARTICLES BEING MADE OF OR ORNAMENTED WITH STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD AND GOLD PLATE.
Claims use since January 1917.

Reg. No. 296,766. Registered Aug. 23, 1932. THE ACCURATE PARTS MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

FOR SCREWS, BOLTS, NUTS, METAL WASHERS, LOCK WASHERS, AND COIL SPRINGS, FOR GENERAL USE.
Claims use since Oct. 1, 1926.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 67,461. Registered Feb. 4, 1908. GLOBE WIRE COMPANY, LIMITED, Sharpsburg, Pa. Republished by Firth Sterling Steel & Carbide Corp., McKeesport, Pa., a corporation of Pennsylvania.

GLOBE



FOR POLISHED DRILL-RODS AND DRAWN WIRE.
Claims use since March 1897.

Reg. No. 279,268. Registered Jan. 13, 1931. UNION STEEL CASTING COMPANY, Pittsburgh, Pa. Republished by Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey.

"UNIVAN"

FOR SPECIAL ALLOY STEEL CASTINGS.
Claims use since Mar. 31, 1928.

Reg. No. 374,254. Registered Jan. 2, 1940. AMERICAN TYPE FOUNDERS, INC., Elizabeth, N. J. Republished by American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey

duratin

FOR LEADS, SLUGS, AND RULES CAST IN TYPE METAL.
Claims use since July 2, 1937.

Reg. No. 432,438. Registered Sept. 2, 1947. HANSON-VAN WINKLE-MUNNING COMPANY, Matawan, N. J., a corporation of New Jersey. Republished by registrant.

ALBALOY

FOR ELECTROPLATING ANODES.
Claims use since May 22, 1946.

CLASS 15

OILS AND GREASES

Reg. No. 253,425. Registered Feb. 26, 1929. NEW YORK LUBRICATING OIL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



FOR LUBRICATING GREASES AND LUBRICATING OILS FOR MACHINERY, ENGINES, MOTORS, AND DYNAMOS.
Claims use since May 3, 1928.

Reg. No. 292,045. Registered Mar. 1, 1932. THE WHITE & BAGLEY COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

VITALUBE

FOR PENETRANTS AND LUBRICANTS, PRINCIPALLY PENETRATING OIL FOR USE IN THINNING MOTOR OIL FOR COLD WEATHER LUBRICANTS, FOR THINNING TRANSMISSION OIL FOR COLD WEATHER LUBRICATION, FOR THINNING MOTOR OIL BREAKING IN NEW MOTORS, FOR UPPER MOTOR LUBRICATION, FOR THE PURPOSE OF FREEING STICKY VALVES, REMOVING RUST, AND STOPPING SQUEAKS IN SPRINGS; ALSO FOR OILS FOR GENERAL LUBRICATION.
Claims use since Oct. 20, 1931.

Reg. No. 302,872. Registered May 2, 1933. THE WHITE & BAGLEY COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

VITAFILM

FOR LUBRICATING OILS AND GREASES.
Claims use since Dec. 10, 1932.

Reg. No. 304,246. Registered June 27, 1933. THE WHITE & BAGLEY COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

ROYAL WORCESTER

The word "Worcester" is disclaimed apart from the mark as shown.
FOR LUBRICANT OILS FOR MOTORS AND OTHER MACHINERY.
Claims use since May 4, 1899.

Reg. No. 330,647. Registered Dec. 10, 1935. THE WHITE & BAGLEY COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

VITA SPRAY

The word "Spray" is disclaimed apart from the mark as shown.
FOR LIQUID LUBRICANT FOR AUTOMOBILE BODIES, SPRINGS, AND THE LIKE.
Claims use since May 31, 1935.

Reg. No. 389,465. Registered Aug. 5, 1941. THE PURE OIL COMPANY, Chicago, Ill., a corporation of Ohio. Republished by registrant.

BUCKEYE

FOR LUBRICATING OIL.
Claims use since on or about July 1, 1930.

Reg. No. 422,658. Registered Aug. 6, 1946. STANDARD OIL COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

KYSO

FOR VAPOR OIL, COAL SPRAY OIL, FUEL OIL, AND BURNER OIL.
Claims use since May 1935.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 146,396. Registered Sept. 6, 1921. WADSWORTH-HOWLAND COMPANY, Chicago, Ill. Republished by Jewel Paint & Varnish Co., Chicago, Ill., a corporation of Illinois.

CONQUEROR

FOR MIXED PAINT, VARNISH, ENAMEL FOR DECORATIVE PURPOSES, AND LIQUID WOOD FILLER.
Claims use since Nov. 15, 1897.

Reg. No. 151,233. Registered Jan. 24, 1922. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TAXITE

FOR PREPARATION FOR THE REMOVAL OF PAINTS, FINISHES, ENAMELS, JAPANS, VARNISHES, STAINS, LACQUERS, SHELLACS, DRIERS, PRIMERS, AND FILLERS FROM WOOD, METAL, AND OTHER SURFACES.
Claims use since Apr. 14, 1904.

Reg. No. 229,066. Registered June 21, 1927. WADSWORTH-HOWLAND COMPANY, Chicago, Ill. Republished by Jewel Paint & Varnish Co., Chicago, Ill., a corporation of Illinois.

JEWEL
LO-LUSTRE

The words "Lo-Lustre" are disclaimed apart from the mark as shown.
FOR SEMI-GLOSS ENAMEL FINISH PAINT.
Claims use since June 1926.

Reg. No. 276,711. Registered Oct. 28, 1930. JEWEL PAINT & VARNISH CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

JEWEL

FOR READY MIXED PAINT, VARNISH STAIN, OIL STAIN, IRON PAINT, FLAT PAINT, VARNISH, ALUMINUM PAINT, RIM-COATING PAINT, AUTO PAINTS, OIL COLORS, WAGON AND MILL PAINT, FLOOR PAINT, DECK PAINT, UNDERCOAT PAINT, PAINT ENAMEL, FURNITURE ENAMEL, IRON ENAMEL, BICYCLE ENAMEL, KALSOMINE AND LAMPBLACK.
Claims use since 1890.

Reg. No. 312,965. Registered May 15, 1934. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

WOODCRAFT

FOR PAINTS (READY-MIXED, PASTE FORM AND DRY), PAINT ENAMELS, LACQUERS, VARNISHES, STAINS, AND PAINT FILLERS.
Claims use since July 15, 1908.

Reg. No. 324,756. Registered May 28, 1935. COLORGLO PRODUCTS, Whittier, Calif., a firm. Republished by registrant.

colorglo

FOR LUSTRE CREAM, A WAX PREPARATION AND POLISH FOR AUTOMOBILES, FURNITURE, AND PAINTED, VARNISHED, OR LACQUERED SURFACES.
Claims use since July 21, 1934.

Reg. No. 325,591. Registered July 2, 1935. JEWEL PAINT AND VARNISH CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

VelVeneer

The word "Veneer" is disclaimed apart from the mark as shown.
FOR READY MIXED PAINT AND PAINT ENAMELS AND VARNISH.
Claims use since Jan. 1, 1935.

Reg. No. 334,098. Registered Apr. 21, 1936. JEWEL PAINT & VARNISH CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

JEWEL
DOUBLEQUICK

The word "Doublequick" is disclaimed apart from the mark as shown.
FOR PAINT AND/OR VARNISH REMOVER.
Claims use since Nov. 29, 1935.

Reg. No. 388,270. Registered June 17, 1941. JEWEL PAINT & VARNISH CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

BRUSHMASTER

FOR READY MIXED AND PASTE PAINTS, VARNISHES, PAINT ENAMEL.
Claims use since Jan. 11, 1941.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 286,948. Registered Sept. 8, 1931. WOLF BROTHERS & CO., Red Lion, Pa., a firm. Republished by registrant.

MARK TWAIN



KNOWN TO EVERYONE-LIKED BY ALL

FOR CIGARS.
Claims use since about July 1877.

CLASS 19

VEHICLES

Reg. No. 104,622. Registered June 8, 1915. THE MARKET FORGE COMPANY, Chelsea, Mass. Republished by The Market Forge Company, Everett, Mass., a corporation of Massachusetts.

MAFORCO

FOR METAL TRUCKS.
Claims use since Apr. 1, 1908.

Reg. No. 237,236. Registered Jan. 3, 1928. TROPIC-AIRE, INCORPORATED, Minneapolis, Minn., a corporation of Delaware. Republished by registrant, present address Chicago, Ill.

TROPIC-AIRE

FOR HEATERS FOR AUTOMOTIVE VEHICLES HEATED BY THE VEHICLE ENGINE-COOLING FLUID.
Claims use since about Dec. 1, 1926.

Reg. No. 395,756. Registered June 9, 1942. ECONOMY AUTO STORES, INC., Atlanta, Ga., a corporation of Georgia. Republished by registrant.



FOR ACCESSORIES, REPLACEMENT PARTS AND SUPPLIES FOR AUTOMOTIVE VEHICLES—NAMELY, RADIATOR CAPS, WINDSHIELD WIPER BLADES, SHOCK ABSORBERS, AND BRAKE SHOES.
Claims use since May 15, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 130,018. Registered Mar. 23, 1920. THOMSON ELECTRIC WELDING COMPANY, Boston, Mass. Republished by Thomson Electric Welder Company, Lynn, Mass., a corporation of Massachusetts.

THOMSON

FOR ELECTRIC METAL-WORKING APPARATUS—NAMELY, MACHINES AND DEVICES FOR ELECTRIC WELDING, HEATING, FORGING, RIVETING, BRAZING, SOLDERING, AND SHAPING OF METALS AND TRANSFORMERS, REACTIVE COILS, SWITCHES, AND PARTS FOR SUCH APPARATUS.
Claims use since Apr. 18, 1888.

Reg. No. 230,874. Registered Aug. 9, 1927. HENRITE PRODUCTS CO., INC., Jersey City, N. J. Republished by Henrite Products Corporation, Ironton, Ohio, a corporation of Ohio.

HENRITE

FOR COMMUTATOR BRUSHES FOR ELECTRIC MOTORS AND GENERATORS.
Claims use since July 11, 1923.

Reg. No. 238,982. Registered Feb. 21, 1928. MALLEABLE IRON RANGE COMPANY, Beaver Dam, Wis., a corporation of Wisconsin. Republished by registrant.

Paramount

FOR ELECTRIC RANGES, COAL ELECTRIC RANGES, AND GAS ELECTRIC RANGES.
Claims use since Jan. 26, 1925.

Reg. No. 303,469. Registered May 23, 1933. BUD RADIO, INC., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

BUD

FOR RADIO APPARATUS, SUPPLIES, AND EQUIPMENT CONSISTING OF RADIO SETS FOR SENDING AND RECEIVING; SHORT WAVE CONVERTERS, SPEAKERS, AERIAL ELIMINATORS, SPEAKER EXTENSION CORDS, TONE CONTROLS, COIL FORMS, SPEAKER PLUGS, EXTENSION CORD PLUGS, AERIAL FILTERS, VOLTAGE CONTROLS, RESISTORS, TRANSFORMERS, INTERFERENCE FILTERS, ADAPTERS, SOCKETS, TEST LEADS, AUTO RADIO AERIALS, SPARK PLUG SUPPRESSORS, GENERATOR SUPPRESSORS, AUTO RADIO SILENCER KITS, VARIABLE CONDENSERS, TIP JACKS, SURE GRIP JACKS, SUBPANEL SOCKETS, PHONE PLUGS, SOLDERLESS PLUGS, JACKS, SCREEN GRID CAPS, SELECTOR SWITCHES, UNIVERSAL AERIALS, PORTABLE OUT-

LET CORDS, PORTABLE UNDER RUG BANDING, TUBE SHIELDS, SCREEN GRID EXTENSION, ELECTRIC EXTENSION CORDS, SPEAKER CORDS, PHONE CORDS, SPEAKER EXTENSION CORDS, AERIAL WIRES, MAGNET WIRES, LEAD-IN WIRES, DIAL CABLES, HOOK-UP WIRES, SHIELDED WIRES, PUSH BACK WIRES, WIRE CABLES, KNIFE SWITCHES, AERIAL KITS; AERIAL EQUIPMENT CONSISTING IN GROUND CLAMPS, LEAD-IN STRIPS, GROUND RODS, STRAIN INSULATORS, SCREW-EYE INSULATORS, STAND-OFF INSULATORS, AND LIGHTNING ARRESTERS; CONDENSERS, FIXED RESISTORS, RADIO FREQUENCY CHOKES, TRANSMITTING CHOKES, DIALS, CABLE PLUGS, MICROPHONE CABLES, MICROPHONE CABLE EXTENSIONS, TUBE BASES, TUBE ADAPTER FORMS, SOLDERING IRON TIPS, TRANSMISSION CABLES, VOLUME CONTROLS; SHORT WAVE AND TELEVISION KITS FOR TRANSMITTING AND RECEIVING, SHORT WAVE AND TELEVISION LO-COIL KITS FOR TRANSMITTING AND RECEIVING, CODE PRACTICE SETS, POWER TRANSFORMERS, AUDIO TRANSFORMERS, PUSH PULL TRANSFORMERS, INPUT TRANSFORMERS, OUTPUT TRANSFORMERS, FILAMENT TRANSFORMERS, MICROPHONE TRANSFORMERS, RADIO CONVENIENCE OUTLETS, MICROPHONE STANDS, MICROPHONE RINGS, MICROPHONE SPRINGS, MICROPHONE RECEPTACLES, MICROPHONE PLUGS, KNOBS, TOGGLE SWITCHES, ROTARY SWITCHES, BINDING POSTS, TERMINALS.

Claims use since December 1928.

Reg. No. 353,114. Registered Dec. 28, 1938. WILLIAM P. HERMAN, Providence, R. I. Republished by Electrix Corporation, Pawtucket, R. I., a corporation of Rhode Island.



FOR ELECTRICAL FIXTURES, AND PARTICULARLY PLUGS AND CONTACT PARTS MADE OF INSULATING MATERIAL.

Claims use since Nov. 2, 1936.

Reg. No. 396,142. Registered June 30, 1942. ECONOMY AUTO STORES, INC., Atlanta, Ga., a corporation of Georgia. Republished by registrant.



FOR ELECTRIC GENERATORS, SPARK PLUGS, RADIO RECEIVING SETS, AND WET AND DRY STORAGE BATTERIES.

Claims use since May 15, 1941.

Reg. No. 418,856. Registered Jan. 15, 1946. JAMES H. CANNON, Los Angeles, Calif. Republished by registrant.

CANNON

FOR ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY ELECTRICAL CABLE CONNECTORS: WALL AND BOX MOUNTING RECEPTACLES AND ACCESSORY EQUIPMENT FOR THIS TYPE OF PRODUCTION, INCLUDING DUST-CAPS, JUNCTION BOXES, AND SPECIAL FLANGES: SPECIAL FUNCTION SOLENOIDS: ELECTRICAL RELAYS: ELECTRICAL SWITCHES AND PUSH-BUTTONS: ANY INSTITUTIONAL SIGNAL EQUIPMENT, INCLUDING CALL STATIONS, ENUNCIATORS, CORRIDOR PILOT LIGHTS, PAGING SYSTEMS, AND EXPLOSION AND VAPOR-PROOF SWITCHES.

Claims use since about May 8, 1942.

Reg. No. 423,515. Registered Sept. 3, 1946. FARMCO, INC., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant.

FARMCO

FOR ELECTRIC MOTORS.

Claims use since Oct. 9, 1945.

Reg. No. 425,506. Registered Nov. 26, 1946. JAMES H. CANNON, Los Angeles, Calif. Republished by registrant.

CANNON

FOR ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY, ELAPSED TIME RECORDERS IN THE FORM OF DEVICES FOR MEASURING THE PASSAGE OF TIME AFTER SIGNALS, AND EXPERIMENTAL PANELS AND SWITCHBOARDS ADAPTED FOR USE IN SCHOOLS AND LABORATORIES AND CARRYING VARIOUS KINDS OF ELECTRICAL EQUIPMENT, SUCH AS PLUGS AND CONNECTORS, AND PARTICULARLY CARRYING INSTRUMENTS FOR MEASURING AND VARYING ELECTRIC CURRENTS, SUCH AS METERS AND TRANSFORMERS.

Claims use since 1920.

Reg. No. 432,855. Registered Sept. 16, 1947. DOUGHBOY INDUSTRIES, INC., New Richmond, Wis., a corporation of Wisconsin. Republished by registrant.



The words "Magnetic" and "Sealer" are disclaimed apart from the mark as shown.

FOR AN ELECTRICALLY HEATED AND OPERATED BAR TYPE MACHINE FOR APPLYING HEAT AND PRESSURE TO THERMOPLASTIC SHEETS FOR UNITING THE SAME.

Claims use since Mar. 27, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 88,364. Registered Sept. 10, 1912. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.



FOR STERLING SILVER KNIVES, FORKS, SPOONS, TONGS, LADLES, SIFTERS, PINS, BUCKLES, BROOCHES, NAPKIN RINGS, NAPKIN MARKERS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, TEA STRAINERS, BAGS, CUPS, CASES, CHESTS, AND THE FOLLOWING NAMED GOODS HAVING STERLING SILVER MOUNTINGS: BUTTONS, CHAINS, RINGS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOXES, BOTTLES, MUGS, COASTERS, BRUSHES, COMBS, MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, BUTTON-HOOKS, BUFFERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES AND WHISTLES, BELLS, MARKERS AND LOCKETS.

Claims use since Sept. 1, 1902.

Reg. No. 145,191. Registered July 26, 1921. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

Treasure

FOR KNIVES, FORKS, SPOONS, LADLES, TONGS, TEA BALLS, TEA STRAINERS, SIFTERS, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, CHILDREN'S CUPS, BOWLS, PITCHERS, DISHES, POTS, PLATTERS, SERVERS, MUGS, COASTERS, CANDLESTICKS, VASES, BOTTLE OPENERS, CORKSCREWS, MUFFINEERS, BELLS, BOTTLES, BABY RATTLES, RATTLE-WHISTLES, BABY PINS, BROOCHES, TRAYS, BOXES, BUFFERS, JARS, BRUSHES, COMBS, MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, AND BUTTON HOOKS, ALL MADE PARTLY OR WHOLLY OF SILVER OR PLATED OR ORNAMENTED THEREWITH.

Claims use since Dec. 2, 1920.

Reg. No. 151,482. Registered Feb. 7, 1922. FRANKLIN SILVER PLATE COMPANY, Greenfield, Mass. Republished by Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts.

WEE FOLK'S

FOR KNIVES, FORKS, SPOONS, NAPKIN RINGS, NAPKIN MARKERS, CUPS, BOWLS, DISHES, PLATTERS, SERVERS, TRAYS, MUGS, BRUSHES, COMBS, MIRRORS, BABY PINS, BABY RATTLES, WHISTLES, BELLS AND LOCKETS, ALL OF SAID ARTICLES BEING MADE WHOLLY OR IN PART OF STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD AND GOLD PLATE.

Claims use since Feb. 2, 1921.

Reg. No. 161,601. Registered Nov. 14, 1922. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

Little Men and Little Women

FOR BABIES' AND CHILDREN'S TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, NAPKIN RINGS, NAPKIN MARKERS, CUPS, BOWLS, DISHES, PLATTERS, SERVERS, TRAYS, MUGS, BRUSHES, COMBS, MIRRORS, BABY PINS, LOCKETS, BABY RATTLES, AND BELLS, ALL OF SAID ARTICLES BEING MADE OF OR ORNAMENTED WITH STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD AND GOLD PLATE.

Claims use since January 1917.

Reg. No. 242,113. Registered May 15, 1928. THE CREEK CHUB BAIT CO., Garrett, Ind., a corporation of Indiana. Republished by registrant.

PIKIE MINNOW

The word "Minnow" is disclaimed apart from the mark as shown.

FOR ARTIFICIAL BAITS.

Claims use since April 1920.

Reg. No. 379,212. Registered July 9, 1940. MAY MACGREGOR, New York, N. Y. Republished by registrant.

Ann Delafield

"Ann Delafield" is an assumed name or nom de plume written by the applicant.

FOR EQUIPMENT FOR EXERCISING FOR HEALTH AND BEAUTY CULTURE.

Claims use since December 22, 1938.

Reg. No. 413,446. Registered Apr. 24, 1945. CAVENDISH TRADING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

CAVENGREST

FOR PLAYING CARDS, NOISE MAKERS—NAMELY, TOY WHISTLES, HORNS, AND RATTLERS; ADJUSTABLE TOY ANIMALS, PULL TOYS, TOY BUILDING SETS, DOLLS, DOLLS' CLOTHES, OPTICAL TOYS, TOY FURNITURE, BOARD GAMES PLAYED WITH PEGS, CARDBOARD CUT OUT TOYS—NAMELY, JIG SAW PUZZLES AND BOOK WARDROBE CUT-OUTS AND DOLLS; FISHING LINES, GOLF CLUBS, BASEBALL BATS, BASKET BALLS, GOLF AND TENNIS BALLS, TENNIS RACKETS, AND FOOTBALLS.

Claims use since Nov. 1, 1935.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 65,724. Registered Oct. 22, 1907. HERSEY MANUFACTURING COMPANY, Portland, Maine, and Boston, Mass. Republished by Hersey Manufacturing Company, Boston, Mass., a corporation of Massachusetts.

HERSEY

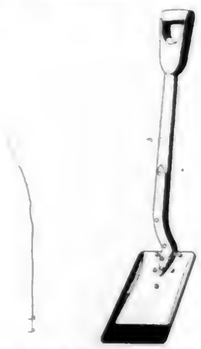
FOR SUGAR-GRANULATORS, CUBE MACHINES, DRIERS, PUMPS, AND PRESSES.
Claims use since Mar. 30, 1872.

Reg. No. 88,364. Registered Sept. 10, 1912. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

R & L
BCo

FOR STERLING SILVER KNIVES, FORKS, SPOONS, TONGS, LADLES, SIFTERS, PINS, BUCKLES, BROOCHES, NAPKIN RINGS, NAPKIN MARKERS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, TEA STRAINERS, BAGS, CUPS, CASES, CHESTS, AND THE FOLLOWING NAMED GOODS HAVING STERLING SILVER MOUNTINGS: BUTTONS, CHAINS, RINGS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOXES, BOTTLES, MUGS, COASTERS, BRUSHES, COMBS, MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, BUTTON-HOOKS, BUFFERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES AND WHISTLES, BELLS, MARKERS AND LOCKETS.
Claims use since Sept. 1, 1902.

Reg. No. 96,768. Registered Apr. 28, 1914. THE WYOMING SHOVEL WORKS, Wyoming, Pa. Republished by Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware.



The band around the lower edge of the shovel blade is red. No claim is made herein to the representation of the shovel, the trade-mark consisting in the red band applied as shown.
FOR SHOVELS, SPADES, AND SCOOPS.
Claims use since Nov. 28, 1913.

Reg. No. 145,191. Registered July 26, 1921. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

Treasure

FOR KNIVES, FORKS, SPOONS, LADLES, TONGS, TEA BALLS, TEA STRAINERS, SIFTERS, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, CHILDREN'S CUPS, BOWLS, PITCHERS, DISHES, POTS, PLATTERS, SERVERS, MUGS, COASTERS, CANDLESTICKS, VASES, BOTTLE OPENERS, CORKSCREWS, MUFFINEERS, BELLS, BOTTLES, BABY RATTLES, RATTLE-WHISTLES, BABY PINS, BROOCHES, TRAYS, BOXES, BUFFERS, JARS, BRUSHES, COMBS, MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, AND BUTTON HOOKS, ALL MADE PARTLY OR WHOLLY OF SILVER OR PLATED OR ORNAMENTED THEREWITH.
Claims use since Dec. 2, 1920.

Reg. No. 161,795. Registered Nov. 21, 1922. LANCASTER IRON WORKS, INC., Lancaster, Pa., a corporation of Pennsylvania. Republished by registrant.

Auto Brik

FOR BRICK MACHINES.
Claims use since on or about Jan. 7, 1922.

Reg. No. 209,074. Registered Feb. 16, 1926. DIAMOND CALK HORSE SHOE COMPANY, Duluth, Minn., a corporation of Minnesota. Republished by registrant.

DIAMOND

FOR WRENCHES.
Claims use since 1919.

Reg. No. 264,309. Registered Nov. 26, 1929. WHITMAN & BARNES, INC., Detroit, Mich. Republished by United Drill & Tool Corporation, Chicago, Ill., a corporation of Michigan.

W&B

FOR ARBORS, BITS, CENTER REAMERS, COUNTERBORES, COUNTERSINKS, DRIFTS, LATHE CENTERS, MANDRELS, REAMERS, SLEEVES, SOCKETS AND TWIST DRILLS PARTICULARLY ADAPTED FOR USE IN THE METAL AND WOODWORKING INDUSTRIES.
Claims use since 1906.

Reg. No. 266,707. Registered Jan. 28, 1930. THE HERBRAND Co., Fremont, Ohio. Republished by The Bingham-Herbrand Corporation, Toledo and Fremont, Ohio, a corporation of Ohio.

VAN CHROME

The word "Chrome" is disclaimed apart from the mark as shown.
FOR WRENCHES OF ALL KINDS.
Claims use since 1919.

Reg. No. 291,003. Registered Jan. 26, 1932. THE ACCURATE PARTS MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

AP

FOR CLUTCHES AND PARTS THEREOF, CLUTCH PLATES, COIL SPRINGS FOR CLUTCHES, UNIVERSAL JOINT DISCS, AND VALVE LOCKS.
Claims use since on or about Oct. 1, 1926.

Reg. No. 298,002. Registered Oct. 11, 1932. THE ACCURATE PARTS MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Power*flex*

The word "Power" is disclaimed apart from the mark as shown.
FOR CLUTCH PLATES AND DISCS.
Claims use since on or about Mar. 16, 1932.

Reg. No. 298,077. Registered Oct. 11, 1932. THE ACCURATE PARTS MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Cushion*flex*

The word "Cushion" is disclaimed apart from the mark as shown.
FOR CLUTCH PLATES AND DISCS.
Claims use since on or about Mar. 16, 1932.

Reg. No. 344,264. Registered Mar. 16, 1937. BROWN MANUFACTURING COMPANY, INC., Newport News, Va., a corporation of Virginia. Republished by registrant.

STARR "X"

FOR STATIONARY BOTTLE OPENERS.
Claims use since 1930.

Reg. No. 348,634. Registered Aug. 3, 1937. BLACKHAWK MFG. Co., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



FOR AUTOMOBILE JACKS.
Claims use since Dec. 24, 1936.

Reg. No. 352,718. Registered Dec. 7, 1937. BLACKHAWK MFG. Co., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



FOR HYDRAULIC JACKS AND WRENCH SETS.
Claims use since Jan. 7, 1937.

Reg. No. 371,408. Registered Sept. 26, 1939. BLACKHAWK MFG. Co., West Allis, Wis., a corporation of Wisconsin. Republished by registrant.

TORKFLASH

The drawing is lined for red.
FOR WRENCHES AND TWISTING TOOL SETS FOR NUT, STUD, AND BOLT DRIVING.
Claims use since Nov. 15, 1938.

Reg. No. 378,715. Registered June 18, 1940. COLONIAL KNIFE COMPANY, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

FOREST-MASTER

FOR POCKET KNIVES.
Claims use since Aug. 15, 1934.

Reg. No. 398,941. Registered Dec. 8, 1942. W. P. HILGER, doing business as The Hilger Company, St. Cloud, Minn. Republished by The Hilger Company, St. Cloud, Minn., a corporation of Minnesota.

HILCO

FOR FLOOR SANDING MACHINES.
Claims use since Feb. 1, 1932.

Reg. No. 401,456. Registered May 18, 1943. DIAMOND CALK HORSE SHOE COMPANY, Duluth, Minn., a corporation of Minnesota. Republished by registrant.

DIAMALLOY

FOR WRENCHES AND PARTS THEREOF, ADJUSTABLE HAND WRENCHES, WRENCH SETS AND CASES, COUNTER ADVERTISING CARDS, DISPLAYING WRENCHES, MOTOR PUMP PLIERS, BATTERY PLIERS, SIDE CUTTING PLIERS, LONG NOSE PLIERS, LONG NOSE SIDE CUTTING PLIERS, DIAGONAL CUTTING PLIERS, NEEDLE NOSE PLIERS, HEAVY DUTY PLIERS, AND STAPLE PULLERS.
Claims use since latter part of 1931.

Reg. No. 401,457. Registered May 18, 1943. DIAMOND CALK HORSE SHOE COMPANY, Duluth, Minn., a corporation of Minnesota. Republished by registrant.

DIAMOND

FOR SINGLE END ADJUSTABLE WRENCHES, DOUBLE END ADJUSTABLE WRENCHES, WRENCH PARTS, COUNTER ADVERTISING BOARDS DISPLAYING WRENCHES, THIN STRAIGHT NOSED PLIERS, THIN BENT NOSED PLIERS, MOTOR SPECIAL PLIERS, D. C. COMBINATION SLIPJOINT PLIERS, NUMBER 1000 PLIERS, SIDE CUTTING PLIERS, CRATE OPENERS, HORSESHOE CALK EXTRACTORS, BOTH SINGLE AND DOUBLE ENDED; CALK PUNCHES, MACHINE AND HAND THREADED-FORMING TAPS.
Claims use since latter part of 1920.

Reg. No. 416,406. Registered Sept. 11, 1945. BLACKHAWK MFG. CO., West Allis, Wis., a corporation of Wisconsin. Republished by registrant.

NUGGET

The drawing is lined for yellow or gold color.
FOR WRENCHES AND TWISTING TOOL SETS FOR NUT, STUD, AND BOLD DRIVING.
Claims use since Feb. 14, 1938.

Reg. No. 423,516. Registered Sept. 3, 1946. FARMCO, INC., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant.

FARMCO

FOR ELECTRIC CREAM SEPARATORS.
Claims use since Oct. 9, 1945.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 431,216. Registered July 15, 1947. FARMCO, INC., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant.

FARMCO

FOR HOUSEHOLD TYPE ELECTRIC CLOTHES WASHING MACHINES.
Claims use since Mar. 22, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 60,206. Registered Jan. 29, 1907. CONSTANTIN WAGNER, New York, N. Y. Republished by registrant.



FOR GRADUATED TESTING-BOTTLES, GRADUATED FLASKS, AND GRADUATED LABORATORY-GLASSWARE.
Claims use since about Mar. 1, 1905.

Reg. No. 300,417. Registered Jan. 17, 1933. UTILITY MANUFACTURING COMPANY, INC., New York, N. Y. Republished by Jack Galter, Chicago, Ill.

Falcon

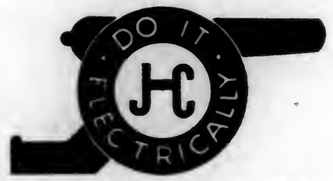
FOR PHOTOGRAPHIC CAMERAS AND PARTS THEREOF.
Claims use since May 28, 1932.

Reg. No. 364,464. Registered Jan. 31, 1939. HENRY T. SCHIFF, Chicago, Ill. Republished by Jack Galter, Chicago, Ill.

REGAL

FOR CAMERAS, PHOTOGRAPHIC LENSES, AND SENSITIZED PHOTOGRAPH FILMS.
Claims use since July 7, 1935.

Reg. No. 425,507. Registered Nov. 26, 1946. JAMES H. CANNON, Los Angeles, Calif. Republished by registrant.



The words "Do It Electrically" are disclaimed apart from the mark as shown.
FOR ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY, ELAPSED TIME RECORDERS IN THE FORM OF DEVICES FOR MEASURING THE PASSAGE OF TIME AFTER SIGNALS, AND EXPERIMENTAL PANELS AND SWITCHBOARDS ADAPTED FOR USE IN SCHOOLS AND LABORATORIES AND CARRYING VARIOUS KINDS OF ELECTRICAL EQUIPMENT, SUCH AS PLUGS, AND CONNECTORS, AND PARTICULARLY CARRYING INSTRUMENTS FOR MEASURING AND VARYING ELECTRIC CURRENTS, SUCH AS METERS AND TRANSFORMERS.
Claims use since 1920.

Reg. No. 425,508. Registered Nov. 26, 1946. JAMES H. CANNON, Los Angeles, Calif. Republished by registrant.



FOR ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY, ELAPSED TIME RECORDERS IN THE FORM OF DEVICES FOR MEASURING THE PASSAGE OF TIME AFTER SIGNALS, AND EXPERIMENTAL PANELS AND SWITCHBOARDS ADAPTED FOR USE IN SCHOOLS AND LABORATORIES AND CARRYING VARIOUS KINDS OF ELECTRICAL EQUIPMENT, SUCH AS PLUGS, AND CONNECTORS, AND PARTICULARLY CARRYING INSTRUMENTS FOR MEASURING AND VARYING ELECTRIC CURRENTS, SUCH AS METERS AND TRANSFORMERS.
Claims use since 1920.

Reg. No. 433,340. Registered Oct. 7, 1947. THE BREARLEY COMPANY, Rockford, Ill., a corporation of Illinois. Republished by registrant.

COUNSELOR

FOR WEIGHING SCALES.
Claims use since on or about Oct. 10, 1933.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 380,394. Registered Aug. 20, 1940. KARL PLEPLA, New York, N. Y. Republished by registrant.

FLYTIMER

FOR CLOCKS AND WATCHES.
Claims use since Feb. 24, 1940.

Reg. No. 400,514. Registered Mar. 16, 1943. KARL PLEPLA, New York, N. Y. Republished by registrant.

UTILITIMER

FOR WATCHES.
Claims use since Mar. 18, 1942.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 88,364. Registered Sept. 10, 1912. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.



FOR STERLING SILVER KNIVES, FORKS, SPOONS, TONGS, LADLES, SIFTERS, PINS, BUCKLES, BROOCHES, NAPKIN RINGS, NAPKIN MARKERS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, TEA STRAINERS, BAGS, CUPS, CASES, CHESTS, AND THE FOLLOWING NAMED GOODS HAVING STERLING SILVER MOUNTINGS: BUTTONS, CHAINS, RINGS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOXES, BOTTLES, MUGS, COASTERS, BRUSHES, COMBS, MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, BUTTON-HOOKS, BUFFERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES AND WHISTLES, BELLS, MARKERS AND LOCKETS.
Claims use since Sept. 1, 1902.

Reg. No. 145,191. Registered July 26, 1921. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

Treasure

FOR KNIVES, FORKS, SPOONS, LADLES, TONGS, TEA BALLS, TEA STRAINERS, SIFTERS, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, CHILDREN'S CUPS, BOWLS,

PITCHERS, DISHES, POTS, PLATTERS, SERVERS, MUGS, COASTERS, CANDLESTICKS, VASES, BOTTLE OPENERS, CORKSCREWS, MUFFINEERS, BELLS, BOTTLES, BABY RATTLES, RATTLE-WHISTLES, BABY PINS, BROOCHES, TRAYS, BOXES, BUFFERS, JARS, BRUSHES, COMBS, MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, AND BUTTON HOOKS, ALL MADE PARTLY OR WHOLLY OF SILVER OR PLATED OR ORNAMENTED THEREWITH.

Claims use since Dec. 2, 1920.

Reg. No. 151,482. Registered Feb. 7, 1922. FRANKLIN SILVER PLATE COMPANY, Greenfield, Mass. Republished by Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts.

WEE FOLK'S

FOR KNIVES, FORKS, SPOONS, NAPKIN RINGS, NAPKIN MARKERS, CUPS, BOWLS, DISHES, PLATTERS, SERVERS, TRAYS, MUGS, BRUSHES, COMBS, MIRRORS, BABY PINS, BABY RATTLES, WHISTLES, BELLS AND LOCKETS, ALL OF SAID ARTICLES BEING MADE WHOLLY OR IN PART OF STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD AND GOLD PLATE.

Claims use since Feb. 2, 1921.

Reg. No. 161,601. Registered Nov. 14, 1922. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

Little Men and Little Women

FOR BABIES' AND CHILDREN'S TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, NAPKIN RINGS, NAPKIN MARKERS, CUPS, BOWLS, DISHES, PLATTERS, SERVERS, TRAYS, MUGS, BRUSHES, COMBS, MIRRORS, BABY PINS, LOCKETS, BABY RATTLES, AND BELLS, ALL OF SAID ARTICLES BEING MADE OF OR ORNAMENTED WITH STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD AND GOLD PLATE.

Claims use since January 1917.

Reg. No. 247,216. Registered Sept. 25, 1928. UNCAS MANUFACTURING COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

CRYSTOGEM

FOR KEY RINGS, CHAIN FASTENERS, SNAP FASTENERS, SPRING RINGS, TIE CLASPS, LAPEL BUTTONS, BROOCHES, AND CHAIN BARS, ALL OF WHICH ARE MADE OF OR PLATED WITH PRECIOUS METALS; FINGER RINGS, CHAINS FOR PERSONAL ADORNMENT, BRACELETS, CUFF BUTTONS, CUFF LINKS, CHARMS, FOBS, AND PENDANTS.

Claims use since Dec. 1, 1927.

Reg. No. 276,956. Registered Nov. 4, 1930. W. R. COBB COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.



FOR JEWELERS' FINDINGS—NAMELY, SMALL PARTS WHICH ARE MANUFACTURED AND SOLD TO THE TRADE IN LARGE QUANTITIES, SUCH AS PINS, SNAPS, LINKS, SWIVELS, CUP JOINTS, AND THE LIKE.

Claims use since Sept. 1, 1922.

Reg. No. 323,624. Registered Apr. 23, 1935. UNCAS MANUFACTURING COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

KIDDIEGEM

FOR JEWELRY FOR PERSONAL WEAR AND ADORNMENT, NOT INCLUDING WATCHES.

Claims use since Nov. 30, 1934.

Reg. No. 374,657. Registered Jan. 23, 1940. W. R. COBB COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

W. R. C.

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES, AND JEWELERS' FINDINGS—NAMELY, CLASPS AND ATTACH RINGS, BONE SCREWS, EAR WIRES, SWIVELS, SPRING RINGS, BRAIDED CORD AND BEAD CORD MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME.

Claims use since about Jan. 1, 1922.

Reg. No. 398,037. Registered Oct. 6, 1942. UNCAS MANUFACTURING COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

GLOW-LITE

FOR FINGER RINGS, BRACELETS, BROOCHES, NECKLACES, AND EARRINGS, NOT INCLUDING WATCHES.

Claims use since Jan. 3, 1942.

Reg. No. 409,705. Registered Oct. 17, 1944. KESTENMAN BROS. MFG. CO., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

K-B

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES—NAMELY, BRACELETS, CLASPS, AND BUCKLES MADE OF PRECIOUS OR SEMIPRECIOUS METALS.

Claims use since Mar. 10, 1920.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 433,107. Registered Sept. 23, 1947. WHITING-ADAMS COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

COMET

FOR SASH TOOL BRUSHES FOR APPLYING PAINT OR OTHER LIQUID TO SASHES.

Claims use since on or about Jan. 1, 1930.

Reg. No. 433,108. Registered Sept. 23, 1947. WHITING-ADAMS COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

DIANA TRIM

The word "Trim" is disclaimed apart from the mark as shown.

FOR SASH TOOL BRUSHES FOR APPLYING PAINT OR OTHER LIQUID TO SASHES.

Claims use since on or about Jan. 1, 1930.

Reg. No. 433,109. Registered Sept. 23, 1947. WHITING-ADAMS COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

KISMET

FOR OVAL VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.

Claims use since on or about Jan. 1, 1930.

Reg. No. 433,110. Registered Sept. 23, 1947. WHITING-ADAMS COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

MUTAL

FOR OVAL VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.

Claims use since on or about Jan. 1, 1930.

Reg. No. 433,111. Registered Sept. 23, 1947. WHITING-ADAMS COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SCIMITAR

FOR FLAT VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.

Claims use since on or about Jan. 1, 1930.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Reg. No. 413,329. Registered Apr. 17, 1945. CAVENDISH TRADING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

CAVENCREST

FOR COOKING AND BAKING DISHES FOR CULINARY PURPOSES MADE FROM PORCELAIN OR CHINAWARE, AND TABLE WARE CONSISTING OF CUPS AND SAUCERS, SOUP PLATES, SERVICE PLATES, DESSERT PLATES, BREAD AND BUTTER PLATES, SALAD PLATES AND BOWLS, PLATTERS, GRAVY DISHES, BUTTER DISHES, SALT AND PEPPER SHAKERS, SUGAR BOWLS AND CREAMERS.

Claims use since Nov. 1, 1935.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 233,215. Registered Sept. 27, 1927. BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

OLD Kentucky Home

FOR ICE-CREAM FREEZERS.

Claims use since April 1923.

Reg. No. 379,933. Registered July 30, 1940. PICK MANUFACTURING COMPANY, West Bend, Wis. Republished by Pick Manufacturing Company, West Bend, Wis., a corporation of Delaware.

KLEENER

The word "Kleener" is disclaimed apart from the mark as shown.

FOR OIL FILTERS.

Claims use since Dec. 15, 1939.

Reg. No. 422,089. Registered July 2, 1946. FARMCO, INC., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant.

FARMCO

FOR ELECTRIC REFRIGERATORS.
Claims use since Oct. 9, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 72,021. Registered Dec. 29, 1908. THE C. F. STREIT MFG. CO., Cincinnati, Ohio. Republished by The C. F. Streit Manufacturing Co., Cincinnati, Ohio, a partnership.

Slumber

FOR CHAIRS AND DAVENPORTS.
Claims use since June 1908.

Reg. No. 226,636. Registered Apr. 12, 1927. COLUMBIA STEEL EQUIPMENT COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

COLONIAL

FOR FILING CABINETS.
Claims use since Nov. 26, 1926.

Reg. No. 376,667. Registered Apr. 2, 1940. JOHN WIDDICOMB CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

DI-FUNCTIONAL

FOR DINING ROOM, BEDROOM, AND LIVING ROOM FURNITURE.
Claims use since Apr. 1, 1939.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 163,039. Registered Jan. 2, 1923. THE CONSOLIDATED IRON-STEEL MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Consolidated Iron-Steel Manufacturing Company of 1932, Cleveland, Ohio, a corporation of Ohio.

GAME JR.

FOR OIL LAMP STOVES.
Claims use since October 1899.

Reg. No. 163,040. Registered Jan. 2, 1923. THE CONSOLIDATED IRON-STEEL MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Consolidated Iron-Steel Manufacturing Company of 1932, Cleveland, Ohio, a corporation of Ohio.

SUMMER GIRL

FOR OIL LAMP STOVES.
Claims use since October 1899.

Reg. No. 365,951. Registered Mar. 21, 1939. HENRY T. SCHIFF, Chicago, Ill. Republished by Jack Galter, Chicago, Ill.

FLASHMASTER

FOR FLASH-LIGHTS AND LANTERNS USING OIL FOR FUEL.
Claims use since Jan. 7, 1934.

Reg. No. 422,211. Registered July 9, 1946. FARMCO, INC., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant.

FARMCO

FOR GAS WATER HEATERS.
Claims use since Oct. 9, 1945.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 394,790. Registered Apr. 28, 1942. QUAKER RUBBER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

QUAKER

FOR BELTING FOR POWER TRANSMISSION, ELEVATING, AND CONVEYING PURPOSES, AIR BRAKE HOSE, AIR DRILL HOSE, AIR PUMP HOSE, CHEMICAL HOSE, FIRE HOSE, GARDEN HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, AND HOSE FOR CONVEYING AIR, LIQUIDS, AND GASES, MACHINERY PACKING, BEER DISPENSING TUBING, FIRE EXTINGUISHING TUBING, GAS TUBING, PIANO PLAYER TUBING, WINDSHIELD WIPER TUBING, FLUORIC ACID TUBING, MILK MACHINE TUBING, SHEET AND ROD PACKING, SOLID TIRES, ALL OF WHICH CONTAIN RUBBER, OR SYNTHETIC RUBBER, OR BOTH.
Claims use since 1939.

Reg. No. 417,957. Registered Nov. 20, 1945. STANDARD OIL COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

KYSO

FOR GARDEN HOSE.
Claims use since Nov. 22, 1943.

Reg. No. 434,434. Registered Nov. 18, 1947. MCQUAY-NORRIS MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.



The use of stippling in the drawing is for the purpose of shading only.
FOR PISTON RINGS AND EXPANDERS THEREFOR.
Claims use since January 1933.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 164,720. Registered Feb. 27, 1923. SIMSON & FREY, INC., New York, N. Y. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.

RUBAN BLEU
COUESNON
SUPERIEURE



The words "Couesnon" and "Superieure" are disclaimed apart from the mark as shown. The band shown in the drawing is lined for the color blue.
FOR WOODEN REEDS FOR USE IN CLARINETS AND SAXOPHONES.
Claims use since January 1919.

Reg. No. 170,458. Registered July 17, 1923. SIMSON & FREY, INC., New York, N. Y. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.

WONDERTONE

FOR STRINGS FOR VIOLINS AND SIMILAR INSTRUMENTS.
Claims use since Oct. 21, 1922.

Reg. No. 191,987. Registered Nov. 25, 1924. SIMSON & FREY, INC., New York, N. Y. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.

SAMSON

FOR MUSIC STANDS.
Claims use since June 25, 1924.

Reg. No. 227,334. Registered May 3, 1927. SIMSON & FREY, INC., New York, N. Y. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.

"Etuna"

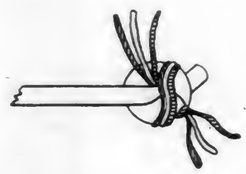
FOR ADJUSTERS OR TUNERS FOR VIOLINS.
Claims use since June 8, 1926.

Reg. No. 229,228. Registered June 21, 1927. SIMSON & FREY, INC., New York, N. Y. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.

"Tucolor"

FOR VIOLIN AND CELLO STRINGS.
Claims use since 1911.

Reg. No. 305,485. Registered Aug. 15, 1933. SIMSON & FREY, INC., New York, N. Y. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.



The representation of a section of a musical instrument string is disclaimed apart from the mark as shown. The mark consists in three threads, red, white and blue respectively, knotted in one end of each of the musical instrument strings.
FOR STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS.
Claims use since Jan. 1, 1905.

Reg. No. 400,526. Registered Mar. 16, 1943. SCHERL & ROTH, INC., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

PIRAZZI

FOR STRINGS FOR VIOLINS, VIOLAS, CELLOS, DOUBLE BASSES, GUITARS AND UKULELES.
Claims use since July 12, 1942.

Reg. No. 416,433. Registered Sept. 11, 1945. SCHERL & ROTH, INC., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Equinote

FOR VIOLIN, VIOLA, CELLO, GUITAR, BASS AND HARP STRINGS.
Claims use since Jan. 19, 1945.

CLASS 37

PAPER AND STATIONERY

Reg. No. 108,877. Registered Feb. 29, 1916. WAUSAU SULPHATE FIBRE CO., Wausau and Mosinee, Wis. Republished by Mosinee Paper Mills Company, Mosinee, Wis., a corporation of Wisconsin.



FOR WRAPPING PAPER.
Claims use since Sept. 25, 1915.

Reg. No. 109,841. Registered Apr. 18, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Republished by registrant.



FOR BOND-PAPERS, LEDGER-PAPERS, BOOK-PAPERS, AND LINEN WRITING PAPERS.
Claims use since July 1, 1915.

Reg. No. 112,540. Registered Sept. 12, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Republished by registrant.

Conference

FOR BOND AND LEDGER PAPER.
Claims use since June 9, 1915.

Reg. No. 149,462. Registered Dec. 13, 1921. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Republished by registrant.

GLACIER BOND

The word "Bond" is disclaimed apart from the mark as shown.
FOR LEDGER, WRITING, AND BOND PAPER FOR WRITING AND PRINTING PURPOSES.
Claims use since March 1919.

Reg. No. 222,148. Registered Dec. 21, 1926. KANSAS CITY WHOLESALE GROCERY CO., Kansas City, Mo. Republished by Pickwick Products, Inc., Kansas City, Mo., a corporation of Missouri.

PICKWICK

FOR PENCILS AND SCHOOL TABLETS AND TOILET PAPER.
Claims use since July 1910.

Reg. No. 288,120. Registered Oct. 20, 1931. MOSINEE PAPER MILLS COMPANY, Mosinee, Wis., a corporation of Wisconsin. Republished by registrant.

CORDEX

FOR REINFORCED PAPER FOR WRAPPING HEAVY ARTICLES, SUCH AS MACHINERY AND THE LIKE, NOT INCLUDING OFFICE SUPPLIES OR EQUIPMENT OR COVERING FOR ARTICLES OR DEVICES USED AS OFFICE EQUIPMENT.
Claims use since Apr. 6, 1929.

Reg. No. 408,294. Registered Aug. 1, 1944. CAVENDISH TRADING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Cavendale

FOR PAPER PRODUCTS—NAMELY, BOND PAPER, WRAPPING PAPER, TYPEWRITER PAPER, PRINTING PAPER, PADS, SECOND SHEETS, ENVELOPES, INDEX CARDS, NOTEBOOKS, WRITING TABLETS,

MEMO BOOKS, PLAIN AND RULED SCRATCH PADS, DECORATED LETTER PAPER FOR SOCIAL CORRESPONDENCE, AND TOILET AND CLEANSING TISSUES.
Claims use since Nov. 8, 1938.

Reg. No. 410,633. Registered Dec. 5, 1944. MOSINEE PAPER MILLS COMPANY, Mosinee, Wis., a corporation of Wisconsin. Republished by registrant.

Hydensel

FOR WRAPPING PAPER.
Claims use since June 17, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 290,791. Registered Jan. 19, 1932. SHOE AND LEATHER REPORTER CO., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SHOE and LEATHER REPORTER

FOR PERIODICALS RELATING TO THE TRADE.
Claims use since September 1857.

Reg. No. 380,043. Registered Aug. 6, 1940. JAY EMANUEL PUBLICATIONS, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

THE EXHIBITOR CATALOGUE

The word "Catalogue" is disclaimed apart from the mark as shown.
FOR TRADE PUBLICATION ISSUED ANNUALLY.
Claims use since Feb. 26, 1940.

Reg. No. 430,724. Registered June 24, 1947. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Republished by registrant.



FOR ART PRINTS AND PUBLICATIONS IN BOOK AND CALENDAR FORM.
Claims use since June 26, 1942.

CLASS 39

CLOTHING

Reg. No. 65,835. Registered Oct. 22, 1907. GABRIELLE M. POIX, New York, N. Y. Republished by G. M. Poix, Inc., New York, N. Y., a corporation of New York.

A. P. BRASSIERE DIRECTOIRE

FOR BRASSIÈRES.
Claims use since September 1905.

Reg. No. 85,801. Registered Mar. 19, 1912. EARNSHAW KNITTING COMPANY, Chicago, Ill. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.

VantaVest

The word "Vest" is disclaimed apart from the mark as shown.
FOR UNDERSHIRTS.
Claims use since Apr. 20, 1911.

Reg. No. 137,306. Registered Nov. 23, 1920. L. LEVINE AND SONS, Cincinnati, Ohio. Republished by Louis Levine & Sons, Inc. of Ohio, Cincinnati, Ohio, a corporation of Ohio.

STYLE Le Vine QUALITY

The words "Style" and "Quality" are disclaimed apart from the mark as shown.
FOR WOMEN'S AND MISSES' CLOTHING FOR OUTER WEAR, CONSISTING OF DRESSES, SKIRTS FOR OUTER WEAR, SUITS AND WAISTS FOR OUTER WEAR.
Claims use since Dec. 15, 1919.

Reg. No. 173,875. Registered Oct. 2, 1923. STERN, MERRITT CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

SURETY

FOR NECKTIES.
Claims use since Jan. 1, 1920.

Reg. No. 173,876. Registered Oct. 2, 1923. STERN, MERRITT CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

PICCADDILY

FOR NECKTIES.
Claims use since Jan. 1, 1920.

Reg. No. 175,810. Registered Nov. 13, 1923. WESTERN HOSIERY COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Tru-Fit

FOR GLOVES AND MITTENS MADE OF TEXTILE FABRIC, KNITTED FABRIC, LEATHER, AND COMBINATION OF LEATHER AND TEXTILE FABRIC.
Claims use since 1916.

Reg. No. 194,462. Registered Jan. 27, 1925. PAUL L. COOK, doing business as Spring City Hosiery Mills, Spring City, Pa. Republished by Prim Hosiery, Inc., Chester, Ill., a corporation of Illinois.

Trim

FOR LADIES' HOSIERY.
Claims use since January 1924.

Reg. No. 225,455. Registered Mar. 22, 1927. EAGLE KNITTING MILLS, Milwaukee, Wis. Republished by Eagle Knitting Mills, Inc., Milwaukee, Wis., a corporation of Wisconsin.

ESKIMO

FOR KNIT GOODS—NAMELY, KNITTED CAPS FOR MEN, WOMEN, AND CHILDREN.
Claims use since on or about Jan. 15, 1925.

Reg. No. 228,691. Registered June 7, 1927. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



The drawing is lined for red and blue.
FOR INFANTS' AND CHILDREN'S KNITTED UNDERWEAR.
Claims use since July 15, 1925.

Reg. No. 239,603. Registered Mar. 6, 1928. THE SHIRTCRAFT COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Neuglo

FOR BOYS' AND MEN'S CLOTHING—VIZ., BLOUSES AND DRESS, NEGLIGEE, AND WORK SHIRTS OF TEXTILE FABRIC.
Claims use since Oct. 1, 1926.

Reg. No. 239,604. Registered Mar. 6, 1928. THE SHIRTCRAFT COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

GOLDEN POPPY

FOR BOYS' AND MEN'S CLOTHING—VIZ., BLOUSES AND DRESS, NEGLIGEE, AND WORK SHIRTS OF TEXTILE FABRIC.
Claims use since Oct. 1, 1926.

Reg. No. 252,268. Registered Jan. 29, 1929. LANDAU-SCHNEIDER CO., INC., New York, N. Y. Republished by Mitchel Schneider Co. Inc., Brooklyn, N. Y., a corporation of New York.

Michelene

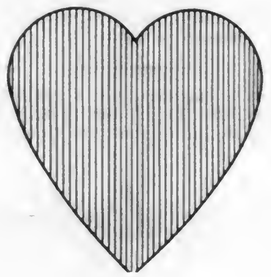
FOR LADIES' KNITTED AND TEXTILE UNDERWEAR, PAJAMAS, AND NEGLIGEES.
Claims use since July 31, 1928.

Reg. No. 257,158. Registered May 28, 1929. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.

Vanta

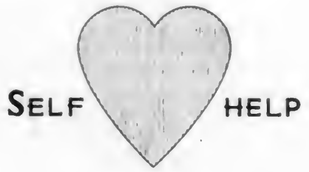
FOR CHILDREN'S AND INFANTS' KNITTED UNDERWEAR AND KNITTED UNDERGARMENTS—KNITTED HOSIERY, KNITTED SOCKS, KNITTED PANTIES, KNITTED COMBINATION GARMENTS, KNITTED PAJAMAS, KNITTED PANTS, KNITTED DROOLING BIBS, AND KNITTED SUN SUITS.
Claims use since Apr. 20, 1911.

Reg. No. 262,156. Registered Oct. 1, 1929. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



The drawing is lined for red.
FOR CHILDREN'S AND INFANTS' UNDERWEAR AND UNDERGARMENTS—KNITTED VESTS, KNITTED PANTIES, AND KNITTED SLEEPERS.
Claims use since July 13, 1928.

Reg. No. 262,242. Registered Oct. 1, 1929. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



FOR CHILDREN'S AND INFANTS' UNDERWEAR AND UNDERGARMENTS—KNITTED VESTS, KNITTED PANTIES, KNITTED WAISTS, AND KNITTED SLEEPERS.
Claims use since July 13, 1928.

Reg. No. 264,756. Registered Dec. 3, 1929. GUS EDELSTEIN BRO. & CO., New York, N. Y. Republished by Gus Edelstein & Bro. Inc., New York, N. Y., a corporation of New York.



No claim is made to the words "New York," "London," "Paris" and "Bryn Mawr" apart from the mark shown in the drawing.
FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY AND UNDERWEAR MADE OF KNITTED, NETTED, AND TEXTILE FABRICS AND/OR COMBINATIONS THEREOF.
Claims use since May 6, 1929.

Reg. No. 277,010. Registered Nov. 4, 1930. FAIRY BRASSIERE CO., INC., New York, N. Y. Republished by Graceform-Camlin Corset Co., Inc., New York, N. Y., a corporation of New York.

GRACEFORM

FOR BRASSIÈRES, GIRDLES, AND COMBINATION BRASSIÈRES AND CORSETS MADE OF TEXTILE, NETTED, KNITTED, ELASTIC, AND ALL-RUBBER FABRIC.
Claims use since 1920.

Reg. No. 278,045. Registered Dec. 2, 1930. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

ILLUSION

FOR HOSIERY.
Claims use since June 27, 1930.

Reg. No. 278,209. Registered Dec. 9, 1930. UNIVERSAL RAYON UNDERWEAR CORPORATION, New York, N. Y. Republished by Sil-O-Ette Underwear Co., New York, N. Y., a firm.

SIL-O-ETTE

FOR WOMEN'S RAYON UNDERWEAR.
Claims use since July 10, 1929.

Reg. No. 291,776. Registered Feb. 23, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.

Vanta

FOR CHILDREN'S AND INFANTS' UNDERWEAR AND UNDERGARMENTS—KNITTED SHIRTS, KNITTED UNION SUITS, KNITTED PANTIES, KNITTED WAISTS AND KNITTED SLEEPERS.
Claims use since June 1, 1931.

Reg. No. 307,642. Registered Oct. 31, 1933. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

"Formline"

FOR NEGLIGEE AND DRESS SHIRTS, UNDERWEAR, AND PAJAMAS FOR MEN, WOMEN, AND CHILDREN.
Claims use since January 1933.

Reg. No. 314,316. Registered June 26, 1934. STERN, MERRITT CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Longchamps

FOR NECKTIES.
Claims use since Jan. 1, 1926.

Reg. No. 322,916. Registered Mar. 26, 1935. JACOB SIEGEL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ALPERU
FABRIC
WARMTH WITHOUT WEIGHT

The words "Fabric" and "Warmth Without Weight" are disclaimed apart from the mark as shown.
FOR MEN'S TOPCOATS, OVERCOATS, AND SUITS.
Claims use since on or about May 10, 1930.

Reg. No. 326,131. Registered July 16, 1935. STERN, MERRITT CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR NECKTIES.
Claims use since Mar. 1, 1933.

Reg. No. 328,552. Registered Oct. 1, 1935. SAM GERSON, Philadelphia, Pa. Republished by Sam Gerson, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

Pennhurst

FOR MEN'S CLOTHING—NAMELY, SUITS, COATS, VESTS, PANTS, TOP COATS, AND OVERCOATS.
Claims use since Apr. 5, 1930.

Reg. No. 328,559. Registered Oct. 1, 1935. SAM GERSON, Philadelphia, Pa. Republished by Sam Gerson, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

HampdenHall

FOR MEN'S CLOTHING—NAMELY, SUITS, COATS, VESTS, PANTS, TOP COATS, AND OVERCOATS.
Claims use since Dec. 20, 1934.

Reg. No. 329,482. Registered Oct. 29, 1935. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

COMFOBELT

FOR MEN'S NEGLIGEE AND DRESS SHIRTS AND PAJAMAS.
Claims use since May 1, 1935.

Reg. No. 338,382. Registered Sept. 1, 1936. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

Surfspun

FOR MEN'S NEGLIGEE AND DRESS SHIRTS AND PAJAMAS.
Claims use since December 1935.

Reg. No. 338,508. Registered Sept. 8, 1936. SAMUEL GERSON, Philadelphia, Pa. Republished by Sam Gerson, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



Lord Winston

FOR MEN'S AND BOYS' SUITS.
Claims use since Aug. 1, 1935.

Reg. No. 343,593. Registered Feb 23, 1937. PRIM-ERA HOSIERY MILLS, INC., Chester, Ill. Republished by Prim Hosiery, Inc., Chester, Ill., a corporation of Illinois.

Prim-Era

FOR HOSIERY.
Claims use since Dec. 1, 1935.

Reg. No. 355,380. Registered Mar. 15, 1938. CHARLES STORES COMPANY, INC., New York, N. Y., a corporation of Maryland. Republished by registrant.

LADY CHARLES

FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, RUBBER OR FABRIC, OR A COMBINATION OF SAID MATERIALS, AND HOSIERY.
Claims use since 1932.

Reg. No. 357,492. Registered June 7, 1938. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.

VANTALIN

FOR INFANTS' AND CHILDREN'S SHIRTS, VESTS, UNION SUITS, NIGHTGOWNS, PANTIES, AND WAISTS.
Claims use since Nov. 24, 1937.

Reg. No. 357,493. Registered June 7, 1938. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.

Vanta
VANTALIN

FOR INFANTS' AND CHILDREN'S SHIRTS, VESTS, UNION SUITS, NIGHTGOWNS, PANTIES, AND WAISTS.
Claims use since Nov. 24, 1937.

Reg. No. 360,475. Registered Sept. 20, 1938. SHAPIRO GLOVE CO., INC., New York, N. Y. Republished by Smart Set Glove Co., Inc., New York, N. Y., a corporation of New York.

GLOVE OF THE MONTH

The word "Glove" is disclaimed apart from the mark as shown.
FOR GLOVES MADE OF LEATHER, RUBBER, FABRIC, AND/OR ANY COMBINATION THEREOF.
Claims use since October 1937.

Reg. No. 361,590. Registered Oct. 25, 1938. FOX KNAPP MFG. CO., New York, N. Y., a corporation of New York. Republished by registrant.

WOOLMASTER

FOR MEN'S AND BOYS' MACKINAWS AND SPORTSWEAR—NAMELY, COATS, LUMBER JACKETS, WINDBREAKERS, SKI PANTS, SKI JACKETS, AND SKI PARKAS MADE OF WOOL MATERIAL, PLAIN AND FANCY PATTERNS.
Claims use since December 1936.

Reg. No. 364,087. Registered Jan. 17, 1939. ALEXANDER H. WHITE, INC., New York, N. Y. Republished by White & Company, doing business as Junior Sports, New York, N. Y., a firm.

"SWING-STRIDE"

FOR WOMEN'S AND MISSES' OUTER SKIRTS, SUITS, DRESSES, SWEATERS, AND UNDERWEAR.
Claims use since Aug. 1, 1938.

Reg. No. 366,011. Registered Mar. 28, 1939. CHARLES STORES COMPANY, INC., New York, N. Y., a corporation of Maryland. Republished by registrant.

Lord Charles

FOR MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS, BOYS' DRESS SHIRTS, MEN'S AND BOYS' KNITTED, LEATHER, AND FABRIC GLOVES, AND MEN'S AND BOYS' NECKTIES AND HATS.
Claims use since January 1937.

Reg. No. 367,221. Registered May 9, 1939. HOLLYWOOD SILK MILLS, Los Angeles, Calif. Republished by Mabs, Inc., Los Angeles, Calif., a corporation of California.

Mabs

FOR PANTIES, FOUNDATION GARMENTS, BATHING SUITS, PLAY SUITS, AND SWIM SUITS.
Claims use since November 1936.

Reg. No. 371,502. Registered Sept. 26, 1939. PRIM-ERA HOSIERY MILLS, INC., Chester, Ill. Republished by Prim Hosiery, Inc., Chester, Ill., a corporation of Illinois.

Prim
ERA

FOR HOSIERY.
Claims use since Mar. 24, 1939.

Reg. No. 375,184. Registered Feb. 13, 1940. STERLING STORES CO., INC., Little Rock, Ark., a corporation of Arkansas. Republished by registrant.

Lor-Ann

FOR HOSIERY.
Claims use since Dec. 10, 1938.

Reg. No. 375,231. Registered Feb. 13, 1940. KAY KAREN, INC., New York, N. Y., a corporation of New York. Republished by registrant.

KAY-KAREN

FOR INFANTS', MISSES' AND LADIES' DRESSES, HOUSE COATS, SPORT DRESSES AND PLAY SUITS.
Claims use since Nov. 3, 1938.

Reg. No. 376,344. Registered Mar. 19, 1940. PRIM-ERA HOSIERY MILLS, INC., Chester, Ill. Republished by Prim Hosiery, Inc., Chester, Ill., a corporation of Illinois.

Sweet Sue

FOR HOSIERY.
Claims use since Oct. 23, 1936.

Reg. No. 379,444. Registered July 9, 1940. THE BUDDY-SERGE COMPANY, Philadelphia, Pa., a firm. Republished by registrant.

BUDDYCRAFT

FOR MEN'S AND YOUNG MEN'S SUITS.
Claims use since 1929.

Reg. No. 382,007. Registered Oct. 15, 1940. CAMLIN CORSET CO. INC., New York, N. Y. Republished by Graceform-Camlin Corset Co., Inc., New York, N. Y., a corporation of New York.

Original Camlin

The word "Original" is disclaimed apart from the mark as shown.
FOR CORSETS.
Claims use since Apr. 18, 1940.

Reg. No. 384,346. Registered Jan. 14, 1941. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Flextron

FOR HOSIERY.
Claims use since Aug. 1, 1940.

Reg. No. 386,915. Registered Apr. 29, 1941. THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio, a corporation of Ohio. Republished by registrant.

Ski-Wuls

The words "Ski-Wuls" are disclaimed apart from the mark as shown.
FOR MEN'S, WOMEN'S AND CHILDREN'S UNDERGARMENTS, PARTICULARLY SHIRTS AND DRAWERS MADE OF WOOL AND COMBINATIONS OF WOOL AND COTTON AND WOOL AND SILK.
Claims use since on or about June 15, 1937.

Reg. No. 390,587. Registered Sept. 30, 1941. THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio, a corporation of Ohio. Republished by registrant.

ATLASTIC

FOR UNDERGARMENTS AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN—NAMELY, KNITTED OR WOVEN SHIRTS, SHORTS, UNION SUITS, AND DRAWERS.
Claims use since Jan. 13, 1941.

Reg. No. 409,565. Registered Oct. 10, 1944. M. & S. SOLOMON, New York, N. Y., a firm. Republished by registrant.

COLLEGESET

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, WRAPS, AND RAINCOATS.
Claims use since Mar. 20, 1944.

Reg. No. 415,551. Registered Aug. 7, 1945. M. & S. SOLOMON, New York, N. Y., a firm. Republished by registrant.

VALDAY

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, WRAPS, AND RAINCOATS.
Claims use since Jan. 3, 1944.

Reg. No. 415,923. Registered Aug. 21, 1945. STERN, MERRITT CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

LONGSHIRE

FOR NECKTIES.
Claims use since Aug. 1, 1943.

Reg. No. 420,740. Registered Apr. 30, 1946. HOLLYWOOD SILK MILLS, Los Angeles, Calif. Republished by Mabs, Inc., Los Angeles, Calif., a corporation of California.

Animated Florals

The word "Florals" is disclaimed apart from the mark as shown.
FOR SWIM SUITS FOR WOMEN, BOYS, AND MEN.
Claims use since about Aug. 2, 1945.

Reg. No. 428,190. Registered Mar. 11, 1947. JACK BAKER SPORTSWEAR CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

SPORTEMPOS

FOR LADIES' SUITS, JACKETS, AND SKIRTS.
Claims use since Jan. 15, 1946.

Reg. No. 433,478. Registered Oct. 14, 1947. VASSAR COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOR MEN AND WOMEN'S KNITTED AND WOVEN UNION SUITS, VESTS, DRAWERS, SWIMMING TRUNKS, AND HOSIERY.
Claims use since on or about Apr. 1, 1900.

Reg. No. 433,592. Registered Oct. 21, 1947. CALTEX SPORTSWEAR CO. OF CALIFORNIA, INC., Los Angeles, Calif., a corporation of Delaware. Republished by registrant.

Caltex

FOR WOMEN'S AND CHILDREN'S KNITTED SPORTSWEAR—NAMELY, SWEATERS, SUITS, SKIRTS, SCARFS, HATS, SWIM SUITS, BATHING CAPS, SLACKS, OUTER SHORTS, PEDAL PUSHERS, HALTERS, JACKETS; MEN'S SWIM TRUNKS AND BEACH ROBES, SPORT SHIRTS, AND SWEATERS.
Claims use since June 15, 1925.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 88,364. Registered Sept. 10, 1912. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

R & L
BCo

FOR STERLING SILVER KNIVES, FORKS, SPOONS, TONGS, LADLES, SIFTERS, PINS, BUCKLES, BROOCHES, NAPKIN RINGS, NAPKIN MARKERS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, TEA STRAINERS, BAGS, CUPS, CASES, CHESTS, AND THE FOLLOWING NAMED GOODS HAV-

ING STERLING SILVER MOUNTINGS: BUTTONS, CHAINS, RINGS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOXES, BOTTLES, MUGS, COASTERS, BRUSHES, COMBS, MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, BUTTON-HOOKS, BUFFERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES AND WHISTLES, BELLS, MARKERS AND LOCKETS.
Claims use since Sept. 1, 1902.

Reg. No. 145,191. Registered July 26, 1921. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Republished by registrant.

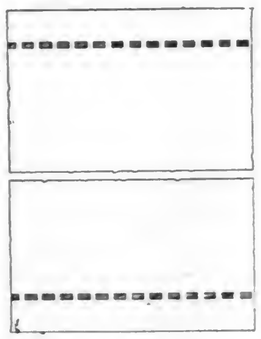
Treasure

FOR KNIVES, FORKS, SPOONS, LADLES, TONGS, TEA BALLS, TEA STRAINERS, SIFTERS, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, CHILDREN'S CUPS, BOWLS, PITCHERS, DISHES, POTS, PLATTERS, SERVERS, MUGS, COASTERS, CANDLESTICKS, VASES, BOTTLE OPENERS, CORKSCREWS, MUFFINEERS, BELLS, BOTTLES, BABY RATTLES, RATTLE-WHISTLES, BABY PINS, BROOCHES, TRAYS, BOXES, BUFFERS, JARS, BRUSHES, COMBS, MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, AND BUTTON HOOKS, ALL MADE PARTLY OR WHOLLY OF SILVER OR PLATED OR ORNAMENTED THEREWITH.
Claims use since Dec. 2, 1920.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 246,969. Registered Sept. 18, 1928. WILLIAM L. BARRELL CO. OF NEW YORK, INC., New York, N. Y. Republished by William L. Barrell Company, New York, N. Y., a corporation of Maine.



The representation of the goods is disclaimed apart from the mark as shown. The trade-mark consists of a red and blue line interwoven into the selvage of the goods.
FOR COTTON DUCK IN THE PIECE.
Claims use since 1921.

Reg. No. 257,346. Registered June 4, 1929. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.

Vanta

FOR CHILDREN'S AND INFANTS' FABRICS—TEXTILE DIAPERS, KNITTED SHEETS, TEXTILE BATH BLANKETS, KNITTED AND WOVEN TOWELS AND WASH CLOTHS.
Claims use since Apr. 20, 1911.

Reg. No. 269,076. Registered Mar. 25, 1930. THE COOLEY FINISHING COMPANY, Pawtucket, R. I. Republished by Cooley, Incorporated, Pawtucket, R. I., a corporation of Rhode Island.

ARISTOCRAT

FOR WATERPROOF COTTON DUCK OR SIMILAR AWNING FABRIC WITH PAINTED DESIGNS.
Claims use since Apr. 8, 1929.

Reg. No. 290,391. Registered Jan. 5, 1932. THE COOLEY FINISHING COMPANY, Pawtucket, R. I. Republished by Cooley, Incorporated, Pawtucket, R. I., a corporation of Rhode Island.



FOR WATERPROOF COTTON DUCK IN THE PIECE EITHER PAINTED OR UNPAINTED FOR USE AS AWNING CLOTH AND SIMILAR PURPOSES.
Claims use since Jan. 14, 1931.

Reg. No. 409,689. Registered Oct. 17, 1944. F. P. MAUPAI DYEING COMPANY, INC., West New York, N. J., a corporation of New Jersey. Republished by registrant.

MAU-PRUF

The word "Pruf" is disclaimed apart from the mark as shown.
FOR TEXTILE FABRICS IN THE PIECE MADE FROM RAYON, COTTON AND MIXTURES THEREOF AND TREATED WITH A SPECIAL WATER REPELLENT FINISH.
Claims use since Feb. 10, 1944.

Reg. No. 414,026. Registered May 22, 1945. CAVENDISH TRADING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

CATHAY

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, WOOL, WORSTED, SILK, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Oct. 30, 1936.

Reg. No. 422,625. Registered Aug. 6, 1946. THE HENROSE CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

HENROSE

FOR PIECE GOODS OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF, IN THE NATURE OF UPHOLSTERY FABRICS.
Claims use since Mar. 8, 1933.

CLASS 43

THREAD AND YARN

Reg. No. 196,816. Registered Mar. 31, 1925. ERNEST B. DANE AND ALBERT J. MESERVE, TRUSTEES, doing business as The Shepherd Worsted Mills, Newton, Mass. Republished by Shepherd Worsted Mills, Newton, Mass., a Massachusetts trust.

RIPPLE FLOSS

FOR FINGERING YARNS FOR KNITTING AND CROCHETING.
Claims use since Mar. 31, 1923.

Reg. No. 196,818. Registered Mar. 31, 1925. ERNEST B. DANE AND ALBERT J. MESERVE, TRUSTEES, doing business as The Shepherd Worsted Mills, Newton, Mass. Republished by Shepherd Worsted Mills, Newton, Mass., a Massachusetts trust.

RIPPLE ZEPHYR

FOR FINGERING YARNS FOR KNITTING AND CROCHETING.
Claims use since Mar. 31, 1923.

Reg. No. 431,286. Registered July 15, 1947. THE GENERAL THREAD MILLS, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

BADGER

FOR COTTON THREAD.
Claims use since 1928.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 112,798. Registered Sept. 26, 1916. NUSSBAUM BROS., Bainbridge, Ga., assignor to The Welch Grape Juice Company, a corporation of New York. Republished by The Welch Grape Juice Company, Westfield, N. Y., a corporation of New York.

WELCHADE

FOR A NON-ALCOHOLIC CARBONATED BEVERAGE AND SYRUP FOR MAKING THE SAME.
Claims use since Feb. 1, 1915.

Reg. No. 265,813. Registered Jan. 7, 1930. PROSPECT HILL BOTTLING CO., Somerville, Mass. Republished by Prospect Hill Bottling Co., Charlestown, Mass., a corporation of Massachusetts.

Power

FOR CARBONATED NONALCOHOLIC, NONCEREAL MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since 1920.

CLASS 46

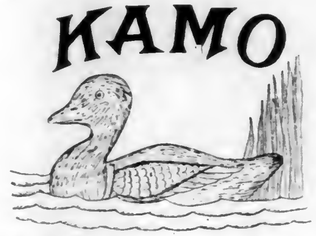
FOODS AND INGREDIENTS OF FOODS

Reg. No. 19,486. Registered May 12, 1891. LUTZ BROS., Allegheny, Pa. Republished by Lutz & Schramm Inc., Pittsburgh, Pa., a corporation of Delaware.



FOR PICKLED GOODS AND PRESERVES.
Claims use since Jan. 1, 1887.

Reg. No. 21,268. Registered June 7, 1892. PAXTON & GALLAGHER, Omaha, Nebr. Republished by Paxton & Gallagher Co., Omaha, Nebr., a corporation of Nebraska.



FOR TEA FOR DOMESTIC CONSUMPTION.
Claims use since about Sept. 1, 1890.

Reg. No. 33,313. Registered Aug. 8, 1899. SEEMAN BROTHERS, New York, N. Y. Republished by Seeman Brothers, Inc., New York, N. Y., a corporation of New York.

WARFIELD

FOR CANNED AND BOTTLED VEGETABLES, FRUITS, FISH, RELISHES AND MEATS.
Claims use since May 1896.

Reg. No. 34,777. Registered June 12, 1900. EDWARD V. STOCKHAM, Perryman, Md. Republished by Edward V. Stockham, Inc., Havre de Grace, Md., a corporation of Maryland.



FOR CANNED OR PRESERVED FRUITS AND VEGETABLES.
Claims use since June 30, 1897.

Reg. No. 35,358. Registered Oct. 30, 1900. LIVIÈRATO BROS., New York, N. Y. Republished by Bernard A. Livièrato, New York, N. Y.

LF

FOR COFFEE.
Claims use since Jan. 1, 1886.

Reg. No. 50,479. Registered Mar. 20, 1906. THE BURRUS MILL & ELEVATOR COMPANY, Fort Worth, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

LIGHT CRUST

FOR WHEAT FLOUR.
Claims use since Dec. 15, 1904.

Reg. No. 55,938. Registered Aug. 21, 1906. THE BURRUS MILL & ELEVATOR COMPANY, Fort Worth, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.



FOR WHEAT FLOUR.
Claims use since Dec. 15, 1904.

Reg. No. 63,089. Registered June 4, 1907. ALABAMA-GEORGIA SYRUP COMPANY, Montgomery, Ala., a corporation of Alabama. Republished by registrant.

ALaGA

FOR SYRUPS.
Claims use since Jan. 1, 1907.

Reg. No. 63,316. Registered June 11, 1907. THE NEW CENTURY MILLING COMPANY, Dallas, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.



HOLLY

FOR WHEAT FLOUR.
Claims use since about Jan. 1, 1907.

Reg. No. 74,046. Registered June 15, 1909. KANSAS CITY WHOLESALE GROCERY CO., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

CONGRESS

FOR CANNED FRUITS, DRIED FRUITS, CANNED VEGETABLES, CANNED SALMON, CANNED OYSTERS, HOMINY, SAUERKRAUT, ROASTED COFFEE, TEA, FLAVORING EXTRACTS, HORSE RADISH, MUSTARD, CORN STARCH, CATSUP, AND PICKLES.
Claims use since about Jan. 2, 1903.

Reg. No. 74,505. Registered July 20, 1909. KANSAS CITY WHOLESALE GROCERY CO., Kansas City, Mo. Republished by Pickwick Products, Inc., Kansas City, Mo., a corporation of Missouri.

PICKWICK



FOR CANNED VEGETABLES, CANNED FRUITS, DRIED FRUITS, CANNED SALMON, CANNED HOMINY, CANNED SAUERKRAUT, COMPOUND OF SORGHUM AND GLUCOSE, COFFEE, EVAPORATED MILK, MINCEMEAT, ROLLED OATS, AND MUSTARD, SORGHUM AND CORN SYRUP AND PEPPER.
Claims use since about Oct. 1, 1902.

Reg. No. 82,129. Registered June 6, 1911. ALABAMA-GEORGIA SYRUP CO., Montgomery, Ala., a corporation of Alabama. Republished by registrant.

KATRENA

FOR CANE SYRUP.
Claims use since about July 1, 1910.

Reg. No. 84,696. Registered Dec. 26, 1911. W. STMINGTON & Co., LIMITED, Market Harborough, England. Republished by Ivanhoe Foods, Inc., Auburn, N. Y., a corporation of New York.

SALANAISE

FOR A PREPARATION FOR MAKING A SAUCE OR DRESSING.
Claims use since June 5, 1911

Reg. No. 88,998. Registered Nov. 5, 1912. JOHN BLAUL'S SONS COMPANY, Burlington, Iowa., a corporation of Iowa. Republished by registrant.

Liner

FOR CANNED VEGETABLES, CANNED FRUITS, CANNED SALMON, CANNED OYSTERS, CANNED MACKEREL, CANNED CODFISH, CANNED SHRIMP, CANNED LOBSTER, CANNED SARDINES, DRIED BEEF, VIENNA-STYLE SAUSAGE, DRIED FRUITS, FIGS, DATES, SEEDED RAISINS, GLACÉD CHERRIES, FRUIT JELLY, FRUIT JAMS, LEMON EXTRACT, VANILLA EXTRACT, BLENDED COFFEE, TEA, OLIVES, PICKLES, OLIVE-OIL, TAPIOCA, DRIED CURRANTS, SHREDDED COCOANUT, RICE, VINEGAR, CANNED MUSHROOMS, MUSTARD, TOMATO CATSUP, CANNED MINCE-MEAT, POWDERED SUGAR, SORGHUM, CANE, AND MAPLE SYRUP, EVAPORATED MILK, BIRD-SEED, CELERY-SALT, APPLE-BUTTER, PEANUT-BUTTER, PEPPER SAUCE, HORSE-RADISH, CORNMEAL, WHEAT-FLOUR, PANCAKE-FLOUR, ROLLED OATS, BUCKWHEAT-FLOUR, CANNED HOMINY, CANNED PORK AND BEANS, CANNED SAUER-KRAUT, FANCY MIXED CANDY, OXTAIL SOUP, TOMATO SOUP, CINNAMON, CHOCOLATE CREAMS AND BLACK PEPPER.
Claims use since Feb. 15, 1912.

Reg. No. 89,971. Registered Jan. 28, 1913. ALABAMA-GEORGIA SYRUP CO., Montgomery, Ala., a corporation of Alabama. Republished by registrant.

SUNNYGOLD

FOR CORN AND CANE SYRUP.
Claims use since June 15, 1909.

Reg. No. 102,236. Registered Jan. 26, 1915. EDW. WITTWER & BRO., Monticello, Wis. Republished by Arn & Zweifel Company, Monticello, Wis., a co-partnership.

LITTLE SUGAR VALLEY

FOR CHEESE.
Claims use since Aug. 15, 1914.

Reg. No. 104,120. Registered May 4, 1915. KOENIGSMARK MILL COMPANY, Waterloo, Ill. Republished by Fisher Flouring Mills Company, Harbor Island, Seattle, Wash., a corporation of Washington.

SKIPPER

FOR WHEAT FLOUR.
Claims use since Sept. 8, 1914.

Reg. No. 106,733. Registered Oct. 26, 1915. JOHN BLAUL'S SONS CO., Burlington, Iowa, a corporation of Iowa. Republished by registrant.

GOLD CUP



FOR TEA AND ROASTED COFFEE.
Claims use since June 1892.

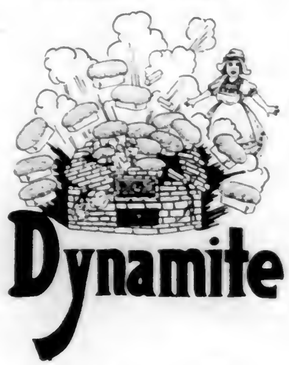
Reg. No. 119,101. Registered Oct. 23, 1917. THE MIDLAND MILLING COMPANY, Kansas City, Mo., assignor to Midland Milling Company, a corporation. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.



Town Crier

FOR WHEAT FLOUR.
Claims use since May 1, 1917.

Reg. No. 119,462. Registered Nov. 20, 1917. THE MIDLAND MILLING COMPANY, Kansas City, Mo. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.



Dynamite

FOR WHEAT FLOUR.
Claims use since June 7, 1917.

Reg. No. 119,748. Registered Dec. 11, 1917. THE MIDLAND MILLING COMPANY, Kansas City, Mo. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.



FOR WHEAT FLOUR.
Claims use since June 7, 1917.

Reg. No. 120,005. Registered Jan. 1, 1918. ALABAMA-GEORGIA SYRUP COMPANY, Montgomery, Ala., a corporation of Alabama. Republished by registrant.



FOR TABLE SYRUP.
Claims use since 1907.

Reg. No. 124,437. Registered Feb. 18, 1919. BOOTH FISHERIES SARDINE CO., Eastport, Maine. Republished by Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware.

COTTAGE

FOR CANNED SARDINES.
Claims use since July 19, 1918.

Reg. No. 124,475. Registered Feb. 18, 1919. EDWARD J. SHERWOOD, Mitchell, S. Dak. Republished by Fisher Flouring Mills Company, Harbor Island, Seattle, Wash., a corporation of Washington.

TRACTOR

FOR WHEAT FLOUR.
Claims use since June 25, 1918.

Reg. No. 134,502. Registered Sept. 7, 1920. EGIDIO GALBANI, Melzo, Italy. Republished by Bel Paese Sales Co. Inc., New York, N. Y., a corporation of New York.



The words "Formaggio Del Bel Paese" and "Melzo" are disclaimed apart from the mark as shown.
FOR CHEESES.
Claims use since Feb. 26, 1912.

Reg. No. 137,842. Registered Dec. 7, 1920. OLD BALDY CITRUS ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

ADMIRATION

FOR FRESH CITRUS FRUIT.
Claims use since Feb. 4, 1920.

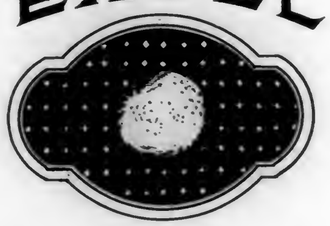
Reg. No. 137,844. Registered Dec. 7, 1920. OLD BALDY CITRUS ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

Old Baldy

FOR FRESH CITRUS FRUIT.
Claims use since Feb. 4, 1920.

Reg. No. 138,685. Registered Jan. 4, 1921. OLD BALDY CITRUS ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

EXCEL



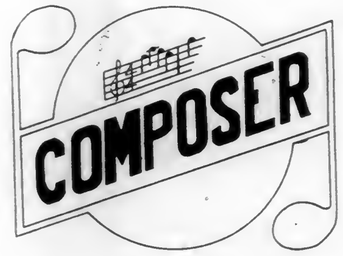
The pictorial representation of the goods is disclaimed apart from tha mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since Feb. 4, 1920.

Reg. No. 142,938. Registered May 24, 1921. BOOTH FISHERIES SARDINE COMPANY, Chicago, Ill. Republished by Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware.

KEE-PAK

FOR CANNED SARDINES.
Claims use since Sept. 9, 1920.

Reg. No. 148,034. Registered Nov. 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont., a corporation of Washington. Republished by registrant, present address Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since June 5, 1920.

Reg. No. 148,035. Registered Nov. 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont., a corporation of Washington. Republished by registrant, present address Seattle, Wash.



FOR WHEAT FLOUR.
Claims use since June 5, 1920.

Reg. No. 148,036. Registered Nov. 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont., a corporation of Washington. Republished by registrant, present address Seattle, Wash.

MUSICIAN

FOR WHEAT FLOUR.
Claims use since June 5, 1920.

Reg. No. 148,039. Registered Nov. 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont., a corporation of Washington. Republished by registrant, present address Seattle, Wash.

SYMPHONY

FOR WHEAT FLOUR.
Claims use since June 5, 1920.

Reg. No. 148,040. Registered Nov. 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont., a corporation of Washington. Republished by registrant, present address Seattle. Wash.

OPERA

FOR WHEAT FLOUR.
Claims use since June 5, 1920.

Reg. No. 148,041. Registered Nov. 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont., a corporation of Washington. Republished by registrant, present address Seattle, Wash.

CONCERT

FOR WHEAT FLOUR.
Claims use since June 5, 1920.

Reg. No. 148,042. Registered Nov. 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont., a corporation of Washington. Republished by registrant, present address Seattle, Wash.

ORCHESTRA

FOR WHEAT FLOUR.
Claims use since June 5, 1920.

Reg. No. 148,054. Registered Nov. 22, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont., a corporation of Washington. Republished by registrant, present address Seattle, Wash.

SOLO

FOR WHEAT FLOUR.
Claims use since June 5, 1920.

Reg. No. 152,922. Registered Mar. 7, 1922. OLD BALDY CITRUS ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

BIG-U

The pictorial representation of an orange is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since March 1921.

Reg. No. 153,740. Registered Mar. 28, 1922. HAAS, BARUCH & CO., Los Angeles, Calif., a corporation of California. Republished by registrant.

IRIS

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, FRUIT JAMS, FRUIT JELLIES, FRUIT PRESERVES, PICKLED FRUITS, CRANBERRY SAUCE, PEPPER SAUCE, COCKTAIL-ONIONS, CHILI POWDER, TOMATO CATSUP, OLIVES, OLIVE-OIL, SPICES, VINEGAR, SALAD DRESSING, MINCE-MEAT, DRIED CODFISH, CELERY SALT, MINCED CLAMS, CANNED CRAB, CANNED SHRIMP, DRY SPLIT PEAS, UNPOPPED POPCORN, BARLEY, SAGO, TAPIOCA, BIRDSEED, TEA, COFFEE, FLAVORING EXTRACTS FOR FOOD PURPOSES, AND HONEY.
Claims use since Jan. 1, 1898.

Reg. No. 159,432. Registered Sept. 26, 1922. GEO. B. MATTHEWS & SONS, New Orleans, La. Republished by George B. Matthews & Sons, Inc., New Orleans, La., a corporation of Louisiana.

MATTHEWS

The drawing is lined for blue and red. The representation of the animal heads is disclaimed apart from the mark as shown.
FOR CATTLE AND STOCK FOODS.
Claims use since June 24, 1920.

Reg. No. 166,451. Registered Apr. 3, 1923. SUNLAND PACKING HOUSE COMPANY, Porterville, Calif., a corporation of California. Republished by registrant.

GOOD CHEER

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 30, 1917.

Reg. No. 168,602. Registered May 29, 1923. SANGER CITRUS ASSOCIATION, Sanger, Calif., a corporation of California. Republished by registrant.

ORDER

FOR ORANGES IN THEIR NATURAL STATE.
Claims use since Nov. 29, 1921.

Reg. No. 185,178. Registered June 10, 1924. SUNNY SOUTH PACKING CO., Arcadia, Fla., a corporation of Florida. Republished by registrant.

MOONKIST

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since Sept. 15, 1923.

Reg. No. 186,288. Registered July 8, 1924. SUNLAND PACKING HOUSE CO., Porterville and Sunland, Calif., a corporation of California. Republished by registrant.

DOMINANT

FOR FRESH CITROUS FRUIT.
Claims use since Nov. 26, 1922.

Reg. No. 188,061. Registered Aug. 19, 1924. FLEMING-GREEN CO. INC., Montgomery, Ala. Republished by The Piknik Products Company, Montgomery, Ala., a corporation of Alabama.

PIKNIK

FOR MAYONNAISE, PREPARED VEGETABLE AND EGG PASTE USED AS A SANDWICH FILLER, AND THOUSAND ISLAND DRESSING.
Claims use since July 1, 1923.

Reg. No. 191,759. Registered Nov. 18, 1924. SEQUOIA FOOTHILL FRUIT GROWERS, Woodlake, Calif., a corporation of California. Republished by registrant.

Giant Tree

FOR FRESH GRAPES.
Claims use since June 8, 1922.

Reg. No. 191,831. Registered Nov. 18, 1924. THE DAIRY LABORATORIES, Philadelphia, Pa., a firm. Republished by registrant.

FLAV-O-LAC

FOR CULTURES FOR MAKING STARTER IN THE MANUFACTURE OF BUTTERMILK, BUTTER, SOUR CREAM, AND CHEESE.
Claims use since May 1, 1924.

Reg. No. 191,872. Registered Nov. 18, 1924. SEQUOIA FOOTHILL FRUIT GROWERS, Woodlake, Calif., a corporation of California. Republished by registrant.

FOOTHILL MAID

FOR FRESH GRAPES.
Claims use since June 19, 1923.

Reg. No. 195,406. Registered Feb. 24, 1925. THE NUNNALLY COMPANY, Atlanta, Ga. Republished by Fine Products Corporation, Augusta, Ga., a corporation of Georgia.

"The Best Taste in Gifts"

FOR CANDY.
Claims use since Oct. 1, 1924.

Reg. No. 198,534. Registered May 19, 1925. FROZEN ARTS, Chicago, Ill. Republished by Frozen Arts (1947), Chicago, Ill., a partnership.

Frozen Arts

FOR ICE CREAM, ICES, AND FROZEN PUDDINGS.
Claims use since March 1922.

Reg. No. 199,591. Registered June 16, 1925. THE NUNNALLY COMPANY, Atlanta, Ga. Republished by Fine Products Corporation, Augusta, Ga., a corporation of Georgia.

BOX BOUNTIFUL

The word "Box" is disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since 1905.

Reg. No. 208,186. Registered Jan. 19, 1926. THE NUNNALLY COMPANY, Atlanta, Ga. Republished by Fine Products Corporation, Augusta, Ga., a corporation of Georgia.



VANITY FAIR

FOR CHOCOLATES AND BONBONS.
Claims use since Dec. 1, 1924.

Reg. No. 212,035. Registered Apr. 27, 1926. SUNLAND PACKING HOUSE COMPANY, Porterville and Sunland, Calif., a corporation of California. Republished by registrant, present address Porterville, Calif.

Sun Garden

FOR FRESH CITROUS FRUITS.
Claims use since Feb. 3, 1925.

Reg. No. 216,625. Registered Aug. 17, 1926. ALABAMA-GEORGIA SYRUP COMPANY, Montgomery, Ala., a corporation of Alabama. Republished by registrant.

FARMER BOY

FOR CANE SIRUP FOR FOOD PURPOSES.
Claims use since Nov. 9, 1925.

Reg. No. 217,072. Registered Aug. 24, 1926. ALABAMA-GEORGIA SYRUP COMPANY, Montgomery, Ala., a corporation of Alabama. Republished by registrant.

Pansy



FOR CANE SIRUP FOR FOOD PURPOSES.
Claims use since January 1924.

Reg. No. 221,150. Registered Nov. 23, 1926. ROUNDUP GROCERY COMPANY, Spokane, Wash., a corporation of Washington. Republished by registrant.

ROUNDUP

FOR CANNED GOODS—NAMELY, SARDINES, TUNNY FISH, CLAMS, CRABMEAT, CORN, PUMPKIN, SPINACH, SWEET POTATOES, BEANS, TOMATOES, SAUERKRAUT, PEAS, PIMIENTOS, ASPARAGUS, BLACKBERRIES, LOGANBERRIES, RASPBERRIES, STRAWBERRIES, APRICOTS, PEARS, PEACHES, AND PINEAPPLES, JELLY, FRUIT PRESERVES, VINEGAR, OLIVES AND HONEY.
Claims use since Jan. 2, 1918.

Reg. No. 222,599. Registered Jan. 4, 1927. OLD VIRGINIA PACKING CO., INC., Front Royal, Va., a corporation of Virginia. Republished by registrant.

MAIDEN BLUSH

FOR FRUIT PRESERVES AND FRUIT BUTTER.
Claims use since and previous to July 20, 1925.

Reg. No. 224,122. Registered Feb. 15, 1927. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since 1896.

Reg. No. 224,665. Registered Mar. 1, 1927. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Republished by registrant.



NUEVO METODO

FOR WHEAT FLOUR, CORN PRODUCTS—NAMELY, CORN MEAL AND CORN CHOPS, AND RYE FLOUR.
Claims use since June 6, 1926.

Reg. No. 225,711. Registered Mar. 22, 1927. KANSAS CITY WHOLESALE GROCERY CO., Kansas City, Mo. Republished by Pickwick Products, Inc., Kansas City, Mo., a corporation of Missouri.

PICKWICK

FOR CANNED VEGETABLES, CANNED FRUIT, DRIED FRUIT, CANNED SALMON, CANNED HOMINY, CANNED SAUERKRAUT, COMPOUND OF SORGHUM AND GLUCOSE FOR FOOD PURPOSES, COFFEE, EVAPORATED MILK, MINCEMEAT, ROLLED OATS, MUSTARD, SORGHUM, CORN SIRUP, PEPPER, APPLE BUTTER, CEREAL, BREAKFAST FOOD, VIENNA SAUSAGE, CANNED SOUPS, SLICED BEEF, POTTED MEAT BY PRODUCTS, CANDIES, PEANUT BUTTER, SALAD DRESSING, MOLASSES, HAMS, RICE, JAM, OLIVES, OLIVE OIL, PICKLES, CATCHUP, TABLE SIRUPS, TEA, VINEGAR, CHEESE, CANNED OYSTERS, CANNED SHRIMP, POWDERED SUGAR, ALIMENTARY PASTES, FLAVORING EXTRACTS FOR FOOD PUR-

POSES, PRESERVED CHERRIES, CANNED SARDINES, POP CORN IN ITS NATURAL STATE, DRIED BEANS, NUTS IN THEIR NATURAL STATE, NUT MEATS IN THEIR NATURAL STATE, DRIED CODFISH, FISH FLAKES, CANNED PIMENTOS, CHILE CON CARNE, JELLY POWDER, MARSHMALLOW CREME, HONEY, PLUM PUDDING, TABASCO SAUCE, PEPPER SAUCE, CHILI SAUCE, CANNED TOMATO PUREE, CRACKERS AND CAKES, BREAKFAST COCOA, PREMIUM CHOCOLATE, SHREDDED COCONUT, CORN FLAKES, HEALTH BRAN, CORN MEAL, TAPIOCA, BARLEY, CORN STARCH, A PECTIN PRODUCT FOR PRESERVING FRUITS.
Claims use since July 1902.

Reg. No. 228,508. Registered June 7, 1927. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Republished by registrant.



No claim is made to the exclusive use of the geographical notation "Galveston, Tex."
FOR WHEAT FLOUR.
Claims use since June 1899.

Reg. No. 231,399. Registered Aug. 16, 1927. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Republished by registrant.

TEXAS STAR
FLOUR MILLS.

The lining in the drawing represents the colors red and blue. The words "Flour Mills" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since 1877.

Reg. No. 231,481. Registered Aug. 23, 1927. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Republished by registrant.

TEXAS STAR
FLOUR MILLS

LIBERTAD

GALVESTON.

The words "Flour Mills" and "Galveston" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR, GRAHAM FLOUR, RYE FLOUR, CORN MEAL, AND CORN GRITS.
Claims use since Jan. 1, 1899.

Reg. No. 231,507. Registered Aug. 23, 1927. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Republished by registrant.



The words "Galveston, Texas, U. S. A., Flour Mills," and "Trademark" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since 1899.

Reg. No. 231,635. Registered Aug. 23, 1927. ROCHE FRUIT & PRODUCE COMPANY, Yakima, Wash. Republished by W. E. Roche Fruit Company, Yakima, Wash., a corporation of Washington.

JEWEL

FOR FRESH APPLES.
Claims use since August 1919.

Reg. No. 238,613. Registered Feb. 14, 1928. SAN JUAN FISHING & PACKING CO., Seattle, Wash., a corporation of Washington. Republished by registrant.

SAN JUAN

FOR CANNED SALMON.
Claims use since 1913.

Reg. No. 240,432. Registered Mar. 27, 1928. JOHN BLAUL'S SONS COMPANY, Burlington, Iowa, a corporation of Iowa. Republished by registrant.



FOR TEA, COFFEE, COCOA, SPICES, DRIED FRUIT, CANNED BERRIES, CANNED FRUIT, CANNED VEGETABLES, SHREDDED COCONUT, TAPIOCA, HORSERADISH, MUSTARD, PICKLES, CHOW-CHOW, PICKLED ONIONS, OLIVES, TOMATO SAUCE, CHILI SAUCE, TOMATO CATSUP, VINEGAR, SYRUPS FOR FOOD PURPOSES, FLAVORING EXTRACTS FOR FOODS, SUGAR, BIRDSEED, SLICED DRIED BEEF, VIENNA-STYLE SAUSAGE, LARD, MINCE MEAT, ROLLED OATS, CORNSTARCH, RICE, CANNED SARDINES, SPICED HERRING, AND FLAKED CODFISH AND HADDOCK, PEARL BARLEY, BUCKWHEAT AND WHEAT FLOUR, APPLE BUTTER, CANNED HOMINY, PRESERVED STRAWBERRIES, CANNED SHRIMP, CANNED TUNNY FISH, SPAGHETTI, MACARONI, CANNED EVAPORATED MILK, CANNED PIMIENTOS, CANNED PORK AND BEANS.
Claims use since Feb. 1, 1903.

Reg. No. 245,263. Registered Aug. 7, 1928. SUNLAND PACKING HOUSE COMPANY, Porterville, Calif., a corporation of California. Republished by registrant.

FEATURE

FOR FRESH ORANGES.
Claims use since Nov. 5, 1927.

Reg. No. 251,277. Registered Jan. 1, 1929. IRVINE VALENCIA GROWERS, Irvine, California, a corporation of California. Republished by registrant.

SATIN

FOR FRESH CITRUS FRUITS.
Claims use since July 7, 1928.

Reg. No. 251,563. Registered Jan. 28, 1929. SEQUOIA FOOTHILL FRUIT GROWERS, Woodlake, Calif., a corporation of California. Republished by registrant.

7-11

FOR FRESH GRAPES.
Claims use since June 5, 1928.

Reg. No. 252,221. Registered Jan. 29, 1929. IRVINE VALENCIA GROWERS, Irvine, Calif., a corporation of California. Republished by registrant.

TWEED

FOR FRESH CITRUS FRUITS.
Claims use since July 7, 1928.

Reg. No. 253,063. Registered Feb. 19, 1929. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

"HELPS"

FOR LICORICE CANDY.
Claims use since about April 1928.

Reg. No. 256,325. Registered May 14, 1929. SAN JUAN FISHING & PACKING COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.



FOR CANNED, FRESH, SALT, SMOKED, AND KIPPERED FISH.
Claims use since July 25, 1917.

Reg. No. 263,604. Registered Nov. 5, 1929. SEQUOIA FOOTHILL FRUIT GROWERS, Woodlake, Calif., a corporation of California. Republished by registrant.

Big Stump

FOR FRESH GRAPES.
Claims use since Nov. 6, 1928.

Reg. No. 270,184. Registered Apr. 29, 1930. JOHN BERNARD VAN HEUSDEN, New York, N. Y. Republished by Internationale Cacaofabrieken, Amsterdam, Netherlands, a corporation of the Netherlands.



FOR PREPARED COCOA, COCOA BUTTER FOR FOOD PURPOSES, COCOA POWDER, CHOCOLATE LIQUOR, SWEETENED CHOCOLATE, AND GROUND CHOCOLATE.
Claims use since May 1893.

Reg. No. 270,321. Registered May 6, 1930. S. A. EGIDIO GALBANI, Melzo, Milan, Italy. Republished by Bel Paese Sales Co., Inc., New York, N. Y., a corporation of New York.



The word "Melzo" is disclaimed apart from the mark as shown.
FOR CHEESE.
Claims use since Jan. 5, 1927.

Reg. No. 272,585. Registered July 8, 1930. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.



FOR WHEAT FLOUR, BREAD, SELF-RISING FLOUR, CORN MEAL, AND MILL FEEDS.
Claims use since May 1, 1917.

Reg. No. 275,121. Registered Sept. 16, 1930. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.

SIGLO DE ORO

FOR WHEAT FLOUR.
Claims use since Aug. 6, 1928.

Reg. No. 275,931. Registered Oct. 7, 1930. MCDERMONT AND WALL, INC., Riverside, Calif. Republished by E. T. Wall, Grower-Shipper, Riverside, Calif., a firm.

GOLD BOW

FOR FRESH CITRUS FRUITS.
Claims use since May 22, 1930.

Reg. No. 282,089. Registered Apr. 7, 1931. GALLATIN VALLEY MILLING CO., West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.



The drawing is lined for shading only.
FOR WHEAT FLOUR.
Claims use since May 21, 1930.

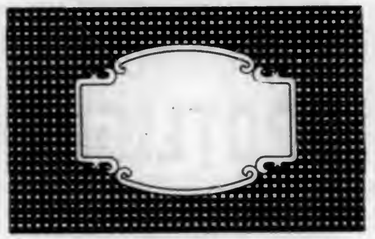
Reg. No. 282,970. Registered May 12, 1931. GALLATIN VALLEY MILLING CO., West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

ESCUELA



The drawing is lined for shading only.
FOR WHEAT FLOUR.
Claims use since May 21, 1930.

Reg. No. 283,328. Registered May 26, 1931. BRIGHT BISCUIT COMPANY, Kansas City, Mo. Republished by Bright Biscuit Company, Inc., Kansas City, Kans., a corporation of Kansas.



FOR CRACKERS AND CAKES.
Claims use since Nov. 20, 1930.

Reg. No. 284,644. Registered July 7, 1931. MCDERMONT AND WALL, INC., Riverside, Calif. Republished by E. T. Wall, Grower-Shipper, Riverside, Calif., a firm.

Red Bow

FOR FRESH CITRUS FRUITS.
Claims use since 1912.

Reg. No. 287,163. Registered Sept. 15, 1931. SCHUTTER JOHNSON CANDY COMPANY INC., Chicago, Ill. Republished by Universal Match Corporation, St. Louis, Mo., a corporation of Delaware.



FOR CANDY.
Claims use since April 1930.

Reg. No. 287,172. Registered Sept. 15, 1931. THE NUNNALLY COMPANY, Atlanta, Ga. Republished by Fine Products Corporation, Augusta, Ga., a corporation of Georgia.

Freshidor

FOR ALL KINDS OF CANDIES.
Claims use since May 6, 1931.

Reg. No. 288,918. Registered Nov. 10, 1931. GRACE A. RUSH, INC., Hyde Park, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant, present address Cincinnati, Ohio.

Martha Ann

FOR FRUIT CAKES, BLACK WALNUT FRUIT CAKES, MAPLED PECANS, SPICED CINNAMON ALMONDS, SPICED PECANS, CARAMELED ALMONDS, MINT ALMONDS, BRANDY HARD SAUCE, OLD-FASHIONED PURE-SUGAR STICK CANDY, DATE DESSERT, GRAPE FRUIT MARMALADE, GLACE STEM GINGER, GLACE GINGER STRIPS, GLACE MINT-TIPPED STEM GINGER, GLACE GRAPE FRUIT PEEL, GLACE ORANGE-PEEL STRIPS, GLACE DATES STUFFED WITH FRUITS AND NUTS, GLACE FIGS STUFFED WITH FRUITS, GLACE STUFFED PRUNES, GLACE STUFFED FRUITS ASSORTED, GLACE PINEAPPLE FRITTERS, AND GLACE PINEAPPLE FINGERS.
Claims use since November 1916.

Reg. No. 292,558. Registered Mar. 15, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



FOR STERILIZED OLIVE OIL.
Claims use since Aug. 19, 1931.

Reg. No. 292,579. Registered Mar. 15, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.



Vanta

FOR STERILIZED OLIVE OIL.
Claims use since Aug. 19, 1931.

Reg. No. 292,580. Registered Mar. 15, 1932. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Newton, Mass., a corporation of Massachusetts.

Vanta

FOR STERILIZED OLIVE OIL.
Claims use since Aug. 19, 1931.

Reg. No. 301,835. Registered Mar. 14, 1933. SCHUTTER JOHNSON CANDY COMPANY INC., Chicago, Ill. Republished by Universal Match Corporation, St. Louis, Mo., a corporation of Delaware.

Schutter's
Twin-Milks



The word "Milks" is disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since April 1930.

Reg. No. 307,065. Registered Oct. 10, 1933. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



The drawing is lined for yellow and red. The words "Oriental Licorice" are disclaimed apart from the mark as shown.
FOR LICORICE CANDY.
Claims use since June 1932.

Reg. No. 308,035. Registered Nov. 21, 1933. WHITTIER SELECT CITRUS ASSOCIATION, Whittier, Calif., a corporation of California. Republished by registrant.

SPOTLIGHT

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 19, 1922.

Reg. No. 311,448. Registered Mar. 20, 1934. UPLAND HEIGHTS ORANGE ASSOCIATION, Ontario, Calif., a corporation of California. Republished by registrant, present address Upland, Calif.

RED X



The drawing is lined for red.
FOR FRESH CITRUS FRUITS.
Claims use since Feb. 1, 1910.

Reg. No. 317,344. Registered Sept. 25, 1934. COVINA CITRUS ASSOCIATION, Covina, Calif., a corporation of California. Republished by registrant.



FOR FRESH CITRUS FRUITS.
Claims use since Apr. 17, 1934.

Reg. No. 317,935. Registered Oct. 9, 1934. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky. Republished by Jefferson Island Salt Company, Louisville, Ky., a corporation of Delaware.

HEXAGON

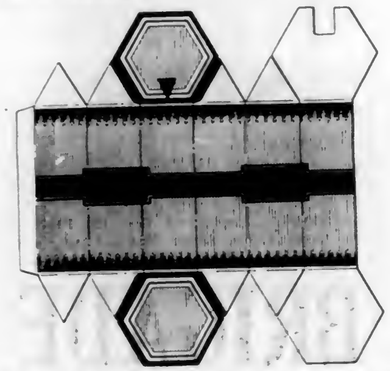
FOR TABLE SALT.
Claims use since Dec. 1, 1932.

Reg. No. 317,936. Registered Oct. 9, 1934. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky. Republished by Jefferson Island Salt Company, Louisville, Ky., a corporation of Delaware.

JEFFERSON ISLAND
HEXAGON

FOR TABLE SALT.
Claims use since Dec. 1, 1932.

Reg. No. 322,953. Registered Mar. 26, 1935. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky. Republished by Jefferson Island Salt Company, Louisville, Ky., a corporation of Delaware.



The drawing is lined to show a red background with a black stripe running the length of the box and an edge of black. No claim is made to the shape of the box outlined in the drawing.
FOR TABLE SALT.
Claims use since Dec. 1, 1932.

Reg. No. 325,252. Registered June 18, 1935. RANDOLPH MARKETING COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant, present address Porterville, Calif.

Old Faithful

FOR FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, MELONS, AND GRAPES.
Claims use since Nov.. 2, 1934.

Reg. No.. 327,817. Registered Sept. 3, 1935. SMITH THORNBURG COMPANY, Phoenix, Ariz. Republished by Floyd N. Smith, Phoenix, Ariz.



BETSY

FOR FRESH VEGETABLES, CANTALOUPES, HONEY DEW AND CASABA MELONS.
Claims use since Dec. 12, 1934.

Reg. No. 328,340. Registered Sept. 24, 1935. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif., a co-partnership. Republished by registrant.

MIRA

FOR FRESH VEGETABLES.
Claims use since May 1933.

Reg. No. 328,572. Registered Oct. 1. 1935. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif., a co-partnership. Republished by registrant.

ROCK
POINT

FOR FRESH VEGETABLES.
Claims use since May 2, 1929.

Reg. No. 331,758. Registered Jan. 21, 1936. UPLAND HEIGHTS ORANGE ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

Crestar

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 16, 1932.

Reg. No. 331,834. Registered Jan. 21, 1936. M. CALOSSO, Stockton, Calif. Republished by registrant.

BAROLO

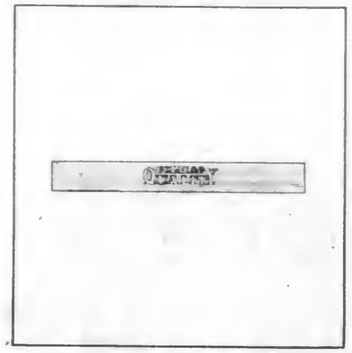
FOR FRESH FRUIT—NAMELY, FRESH GRAPES.
Claims use since Aug. 22, 1935.

Reg. No. 332,204. Registered Feb. 4, 1936. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif., a corporation of California. Republished by registrant.

POMONA

The drawing is lined to indicate shading. The representation of the goods is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUIT.
Claims use since Mar. 1, 1935.

Reg. No. 342,079. Registred Jan. 5, 1937. RANDOLPH MARKETING COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant, present address Porterville, Calif.



The word "Quality" is disclaimed apart from the mark as shown. The drawing is lined to indicate blue. No claim is made to the outline of a wrapper.
FOR FRESH CITRUS FRUITS.
Claims use since Jan. 18, 1936.

Reg. No. 346,186. Registered May 18, 1937. IVANHOE FOODS, INC., Auburn, N. Y., a corporation of New York. republished by registrant.

IVANHOE

REDISALAD

The word "Redisalad" is disclaimed apart from the mark as shown.
FOR CANNED SALADS.
Claims use since Nov. 23, 1936.

Reg. No. 346,227. Registered May 18, 1937. IVANHOE FOODS, INC., Auburn, N. Y., a corporation of New York. republished by registrant.



FOR CANNED SALADS—NAMELY, VEGETABLE SALADS.
Claims use since Nov. 23, 1936.

Reg. No. 349,105. Registered Aug. 17, 1937. BRIGGS LEMON ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

REGENT

FOR FRESH CITRUS FRUIT.
Claims use since Feb. 1, 1937.

Reg. No. 350,056. Registered Sept. 14, 1937. BRIGHT BISCUIT COMPANY, Kansas City, Mo. Republished by Bright Biscuit Company, Inc., Kansas City, Kans., a a corporation of Kansas.

EVENING STAR

FOR CRACKERS.
Claims use since Apr. 21, 1937.

Reg. No. 350,947. Registered Oct. 12, 1937. BRIGGS LEMON ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

BRIGADE

FOR FRESH CITRUS FRUIT.
Claims use since Apr. 13, 1937.

Reg. No. 353,404. Registered Jan. 4, 1938. SUNLAND PACKING HOUSE COMPANY, Porterville, Calif., a corporation of California. Republished by registrant.

GOLDEN GLEAM

FOR FRESH CITRUS FRUIT.
Claims use since Nov. 30, 1917.

Reg. No. 356,936. Registered May 17, 1938. S. A. EGIDIO GALBANI, Melzo, Italy. Republished by Bel Paese Sales Co. Inc., New York, N. Y., a corporation of New York.



The words "Garda" and "Cheese" are disclaimed apart from the mark as shown.
FOR CHEESE.
Claims use since Oct. 25, 1933.

Reg. No. 356,937. Registered May 17, 1938. S. A. EGIDIO GALBANI, Melzo, Italy. Republished by Bel Paese Sales Co. Inc., New York, N. Y., a corporation of New York.



All the wording except "Galbani" and applicant's name is disclaimed apart from the mark as shown.
FOR CHEESE.
Claims use since June 4, 1935.

Reg. No. 357,538. Registered June 7, 1938. S. A. EGIDIO GALBANI, Melzo, Italy. Republished by Bel Paese Sales Co. Inc., New York, N. Y., a corporation of New York.



The representation of the label and all the wording, except applicant's name, is disclaimed apart from the mark as shown and the pictures are fanciful.
FOR CHEESE.
Claims use since Feb. 25, 1935.

Reg. No. 360,380. Registered Sept. 13, 1938. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.



GRAN AGUANTE

The drawing is lined for shading only and the figure fanciful.
FOR WHEAT FLOUR.
Claims use since May 12, 1938.

Reg. No. 361,996. Registered Nov. 8, 1938. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address North Kansas City, Mo.

Trovador

The drawing is lined for shading only.
FOR WHEAT FLOUR.
Claims use since Apr. 13, 1928.

Reg. No. 363,128. Registered Dec. 13, 1938. BRIGHT BISCUIT COMPANY, INC., Kansas City, Kans., a corporation of Kansas. Republished by registrant.

BettyBright



FOR CRACKERS.
Claims use since May 18, 1938.

Reg. No. 363,501. Registered Dec. 27, 1938. BRIGHT BISCUIT COMPANY, INC., Kansas City, Kans., a corporation of Kansas. Republished by registrant.

HARBOR LIGHT

FOR CRACKERS.
Claims use since Aug. 1, 1938.

Reg. No. 364,320. Registered Jan. 24, 1939. BRIGHT BISCUIT COMPANY, INC., Kansas City, Kans., a corporation of Kansas. Republished by registrant.

Sail

FOR SODA CRACKERS.
Claims use since June 1, 1938.

Reg. No. 364,953. Registered Feb. 21, 1939. BOOTH FISHERIES CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Fisher Boy



FOR FRESH WATER FROZEN FISH, SALT WATER FROZEN FISH, AND FROZEN SHELL FISH.
Claims use since on or about May 1, 1938.

Reg. No. 366,012. Registered Mar. 28, 1939. CARPINTERIA MUTUAL CITRUS ASSOCIATION, Carpinteria, Calif., a corporation of California. Republished by registrant.

SEA BIRD

FOR LEMONS.
Claims use since Feb. 21, 1921.

Reg. No. 370,069. Registered Aug. 15, 1939. GEBHARDT CHILI POWDER COMPANY, San Antonio, Tex., a corporation of Texas. Republished by registrant.



The drawing is lined to indicate red and green and is shaded for black. No claim is made to the representation of a label and to the representation of the goods apart from the mark as shown.
FOR CANNED TAMALES.
Claims use since Aug. 1, 1937.

Reg. No. 374,555. Registered Jan. 16, 1940. C. G. MEAKER Co. Inc., Auburn, N. Y. Republished by Ivanhoe Foods, Inc., Auburn, N. Y., a corporation of New York.

IVANHOE

FOR CANNED VEGETABLES, CANNED FISH, CANNED PUMPKIN, CANNED SUCCOTASH, CANNED SAUERKRAUT, MOLASSES, AND TOMATO CATSUP.
Claims use since Feb. 1, 1903.

Reg. No. 377,805. Registered May 14, 1940. SUNNY SOUTH PACKING CO., Arcadia, Fla., a corporation of Florida. Republished by registrant.

GRA-FRU

FOR CANNED GRAPEFRUIT JUICE AND GRAPEFRUIT SECTIONS.
Claims use since Dec. 4, 1939.

Reg. No. 384,344. Registered Jan. 14, 1941. ALABAMA GEORGIA SYRUP COMPANY, Montgomery, Ala., a corporation of Alabama. Republished by registrant.



The name "Alabama-Georgia Syrup Co." is disclaimed apart from the mark as shown.
FOR TABLE SYRUP.
Claims use since July 1929.

Reg. No. 384,458. Registered Jan. 21, 1941. ALABAMA-GEORGIA SYRUP COMPANY, Montgomery, Ala., a corporation of Alabama. Republished by registrant.



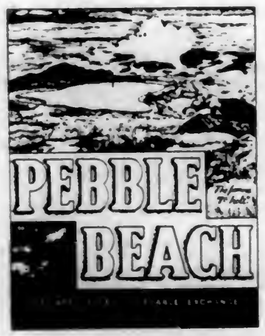
FOR CANE SYRUP FOR TABLE USE.
Claims use since 1920.

Reg. No. 388,041. Registered June 10, 1941. SUNLAND PACKING HOUSE COMPANY, Sunland, Calif., a corporation of California. Republished by registrant, present address Porterville, Calif.

S-L

The drawing is lined for shading only.
FOR FRESH CITRUS FRUIT.
Claims use since Dec. 3, 1940.

Reg. No. 389,192. Registered July 29, 1941. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif., a co-partnership. Republished by registrant.



No claim is made to the outline of the label, or to the name "Salinas Valley Vegetable Exchange" apart from the mark as shown.
FOR FRESH VEGETABLES—NAMELY, LETTUCE.
Claims use since Oct. 5, 1940.

Reg. No. 392,960. Registered Jan. 20, 1942. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif., a co-partnership. Republished by registrant.

SNO SEAL

FOR FRESH VEGETABLES—NAMELY, LETTUCE.
Claims use since Dec. 23, 1940.

Reg. No. 394,776. Registered Apr. 28, 1942. ALBANY PACKING COMPANY, INC., Colonie, N. Y. Republished by Tobin Packing Co., Inc., Rochester and Albany, N. Y., a corporation of Delaware.

POLLIA

FOR MEATS AND MEAT PRODUCTS—VIZ., COOKED CANNED HAMS.
Claims use since on or about Aug. 4, 1941.

Reg. No. 395,296. Registered May 19, 1942. IVANHOE MUTUAL ORANGE ASSOCIATION, Ivanhoe, Calif., a corporation of California. Republished by registrant.

King's Park

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 19, 1940.

Reg. No. 396,686. Registered July 28, 1942. SCHENLEY DISTILLERIES, INC., New York, N. Y. Republished by Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware.

Soludri

FOR DISTILLERS' DRIED CORN SOLUBLES, FOR USE AS CATTLE FEED AND/OR AN INGREDIENT THEREOF.
Claims use since Dec. 19, 1941.

Reg. No. 401,277. Registered May 4, 1943. IVANHOE FOODS, INC., Auburn, N. Y., a corporation of New York. Republished by registrant.

DRYaD

FOR DEHYDRATED VEGETABLES AND DEHYDRATED PREPARED SOUPS.
Claims use since Oct. 20, 1942.

Reg. No. 405,266. Registered Jan. 18, 1944. THE R. V. DUBLIN COMPANY, Jacksonville and Laredo, Tex., a partnership. Republished by registrant.

RICH FIELD

FOR FRESH VEGETABLES.
Claims use since November 1927.

Reg. No. 408,552. Registered Aug. 15, 1944. BRYAN S. SMITH, Bakersfield, Calif. Republished by registrant.



FOR FRESH VEGETABLES.
Claims use since October 1942.

Reg. No. 408,636. Registered Aug. 22, 1944. BRYAN S. SMITH, Bakersfield, Calif. Republished by registrant.



The representation of the label is disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES.
Claims use since October 1942.

Reg. No. 408,657. Registered Aug. 22, 1944. KING COLE COMPANY, Chicago, Ill. Republished by King Cole Candies, Inc., Chicago, Ill., a corporation of Illinois.

QUICKEE

FOR CANDY BARS.
Claims use since Jan. 19, 1944.

Reg. No. 410,532. Registered Nov. 28, 1944. SCHENLEY DISTILLERIES, INC., New York, N. Y. Republished by Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware.

P-G-F

FOR DISTILLERS' DRIED GRAINS USED FOR POULTRY FOOD.
Claims use since June 7, 1944.

Reg. No. 410,638. Registered Dec. 5, 1944. SCHENLEY DISTILLERIES, INC., New York, N. Y. Republished by Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware.

PRO-GRA-FLAV

FOR DISTILLERS' DRIED GRAINS USED FOR POULTRY FOOD.
Claims use since June 7, 1944.

Reg. No. 416,893. Registered Oct. 2, 1945. THE R. V. DUBLIN COMPANY, Jacksonville and Laredo, Tex., a partnership. Republished by registrant.

GOOD BET

The word "Good" is disclaimed apart from the mark as shown.
FOR FRESH FRUITS AND FRESH VEGETABLES.
Claims use since Nov. 9, 1944.

Reg. No. 420,581. Registered Apr. 23, 1946. KING COLE COMPANY, Chicago, Ill. Republished by King Cole Candies, Inc., Chicago, Ill., a corporation of Illinois.



The word "Kandy" per se is disclaimed apart from the mark as shown.
FOR CANDY BARS, PEANUT BRITTLE, AND CANDY KISSES.
Claims use since on or about Mar. 5, 1945.

Reg. No. 426,636. Registered Jan. 7, 1947. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass., a corporation of Massachusetts. Republished by registrant.

SPRING CHICKEN

The word "Chicken" is disclaimed apart from the mark as shown.
FOR SALTED CODFISH.
Claims use since on or before Nov. 11, 1908.

Reg. No. 429,543. Registered May 6, 1947. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

WHAM

FOR CEREAL PRODUCT MADE FROM WHOLE WHEAT FOR USE AS A BREAKFAST FOOD OR IN THE PREPARATION OF MUFFINS, ROLLS, HOT BREADS, COOKIES, AND THE LIKE.
Claims use since Aug. 20, 1945.

Reg. No. 432,263. Registered Aug. 26, 1947. COVALDA DATE COMPANY, Coachella, Calif., a firm. Republished by registrant.

COVALDA

FOR FRESH DATES.
Claims use since 1932.

Reg. No. 433,861. Registered Nov. 4, 1947. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass., a corporation of Massachusetts. Republished by registrant.



The words "Al-Fish" and "Blend" are disclaimed apart from the mark as shown.
FOR POULTRY FEED SUPPLEMENT, THE PRINCIPAL INGREDIENTS OF WHICH ARE FISH MEAL, CONDENSED FISH SOLUBLES, DEHYDRATED ALFALFA LEAF MEAL, DRIED BREWERS' YEAST, RIBOFLAVIN SUPPLEMENT, WHEAT GERM MEAL AND VITAMINS A AND D FEEDING OIL.
Claims use since on or about Oct. 22, 1945.

Reg. No. 434,321. Registered Nov. 18, 1947. THE NATCHITOCHES COFFEE & SYRUP CO., INC., Natchitoches, La., a corporation of Louisiana. Republished by registrant.



FOR COFFEE.
Claims use since the year 1930.

CLASS 47

WINES

Reg. No. 64,221. Registered July 30, 1907. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

SANDEMAN

FOR PORT AND SHERRY WINES.
Claims use since about August 1870.

Reg. No. 305,572. Registered Aug. 22, 1933. GEO. BENZ & SONS, St. Paul, Minn. Republished by Schenley Import Corporation, New York, N. Y., a corporation of New York.



FOR WINES.
Claims use since 1893.

Reg. No. 325,327. Registered June 18, 1935. FRANEK & COMPANY, INC., New Orleans, La. Republished by E. & J. Gallo Winery, Modesto, Calif., a corporation of California.



The drawing is lined for the colors blue and gold.
FOR WINES.
Claims use since on or about Jan. 1, 1935.

Reg. No. 327,328. Registered Aug. 20, 1935. SAZERAC COMPANY, INCORPORATED, New Orleans, La., a corporation of Louisiana. Republished by registrant.



FOR WINES.
Claims use since Mar. 1, 1935.

Reg. No. 338,053. Registered Aug. 25, 1936. CANNIZZARO WINE CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

CALIFORNIA BEAUTY

FOR WINES.
Claims use since Apr. 1, 1935.

Reg. No. 344,715. Registered Apr. 6, 1937. SCHENLEY WINE & SPIRIT IMPORT CORPORATION, New York, N. Y., now by change of name Schenley Import Corporation. Republished by Schenley Import Corporation, New York, N. Y., a corporation of New York.

GONZALEZ

AMBROSIA

FOR SHERRY WINE.
Claims use since Oct. 13, 1933.

Reg. No. 355,314. Registered Mar. 15, 1938. LEWIS GUERRIERI, doing business as California Mission Vintage Co., Los Angeles, Calif., assignor to A. Moramarco. Republished by Many, Blanc & Co., Inc., Lawrenceburg, Ind., a corporation of Maryland.

OLD MISSION
BRAND
SINCE 1881

The word "Brand" is disclaimed apart from the mark as shown.
FOR WINES.
Claims use since Apr. 7, 1933.

Reg. No. 361,966. Registered Nov. 8, 1938. ROMA WINE COMPANY, INC., Lodi and Los Angeles, Calif., and New York, N. Y. Republished by Schenley Distillers Corporation, Fresno, Calif., a corporation of Delaware.

MANHATTAN BELLE

The word "Manhattan" is disclaimed apart from the mark as shown.
FOR WINES.
Claims use since Dec. 1, 1937.

Reg. No. 386,411. Registered Apr. 8, 1941. ROMA WINE COMPANY, INC., Fresno, Calif. Republished by Many, Blanc & Co., Inc., Lawrenceburg, Ind., a corporation of Maryland.

GOLD KIST

FOR WINES.
Claims use since July 20, 1938.

Reg. No. 422,939. Registered Aug. 20, 1946. OLD MISSION WINERIES, Los Angeles, Calif. Republished by Many, Blanc & Co., Inc., Lawrenceburg, Ind., a corporation of Maryland.

Old Mission

FOR WINES.
Claims use since 1905.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 103,853. Registered Apr. 20, 1915. THE GOTTLIEB BAUERNSCHMIDT STRAUS BREWING COMPANY, Baltimore, Md. Republished by The Globe Brewing Company, Baltimore, Md., a corporation of Maryland.

G.B.S.

FOR LAGER-BEER.
Claims use since Aug. 10, 1901.

Reg. No. 104,610. Registered June 8, 1915. THE GOTTLIEB BAUERNSCHMIDT STRAUS BREWING COMPANY, Baltimore, Md. Republished by The Globe Brewing Company, Baltimore, Md., a corporation of Maryland.

IT HITS THE SPOT

FOR LAGER-BEER.
Claims use since Feb. 22, 1913.

Reg. No. 300,866. Registered Feb. 14, 1933. INDEPENDENT MILWAUKEE BREWERY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



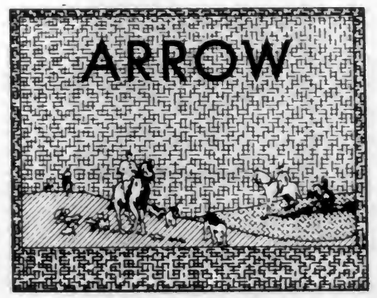
All words and numerals except the word "Braumeister" are disclaimed apart from the mark as shown and the picture is fanciful.
FOR MALT BEVERAGE WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT.
Claims use since June 15, 1914.

Reg. No. 344,847. Registered Apr. 6, 1937. THE GLOBE BREWING COMPANY, Baltimore, Md., a corporation of Maryland. Republished by registrant.

ARROW

FOR ALE AND BEER.
Claims use since Oct. 14, 1914.

Reg. No. 344,848. Registered Apr. 6, 1937. THE GLOBE BREWING COMPANY, Baltimore, Md., a corporation of Maryland. Republished by registrant.



FOR ALE.
Claims use since July 9, 1936.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 16,486. Registered Apr. 9, 1889. HENRY WHITE & CO., London, England. Republished by White, Keeling (Rum) Limited, London, England, a limited liability company of Great Britain.



FOR RUM.
Claims use since about Jan. 1, 1871.

Reg. No. 72,228. Registered Jan. 12, 1909. MARTELL & COMPANY, Cognac, France. Republished by J. & F. Martell, Inc., New York, N. Y., a corporation of New York.



FOR COGNAC BRANDIES.
Claims use since July 1, 1863.

Reg. No. 270,973. Registered May 20, 1930. GEO. G. SANDEMAN, SONS & CO., LIMITED, London, England, a limited liability company of Great Britain.



The word "London" and the device of the star are disclaimed apart from the mark as shown.

FOR DISTILLED ALCOHOLIC SPIRITS, IN THE NATURE OF BEVERAGES INCLUDING WHISKEY, GIN, BRANDY, AND RUM.

Claims use since July 25, 1928.

Reg. No. 305,857. Registered Aug. 29, 1933. THE SAZERAC CO., INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

Sazerac

The drawing is lined for shading only.

FOR COCKTAILS.

Claims use since Jan. 1, 1895.

Reg. No. 308,738. Registered Dec. 19, 1933. WHITE HORSE DISTILLERS, LIMITED, Glasgow, Scotland, a British corporation. Republished by registrant.



The words "Old Highland Whisky," "Ancient Scotch," "Isle of Islay," "Argyll," "London," and "Glasgow" are disclaimed apart from the mark as shown.

FOR SCOTCH WHISKY.

Claims use since Jan. 12, 1916.

Reg. No. 310,140. Registered Feb. 13, 1934. WHITE HORSE DISTILLERS, LIMITED, Glasgow, Scotland, a British corporation. Republished by registrant.



The words "Fine Old Highland Malt Whisky" and "Glasgow" are disclaimed apart from the mark as shown.

FOR SCOTCH WHISKY.

Claims use since Oct. 31, 1921.

Reg. No. 310,638. Registered Mar. 6, 1934. UNITED DISTILLERS LIMITED, Vancouver, British Columbia, Canada. Republished by United Distillers, (of Canada) Ltd., Vancouver, British Columbia, Canada, a corporation organized under the laws of the Dominion of Canada.

THOROUGHBRED

FOR WHISKEY, GIN, AND RUM.

Claims use since Apr. 1, 1930.

Reg. No. 311,609. Registered Mar. 27, 1934. BULLOCH LADE & Co. LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

BULLOCH LADE

FOR SCOTCH WHISKY.

Claims use since 1890.

Reg. No. 311,610. Registered Mar. 27, 1934. BULLOCH LADE & Co. LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

OLD RARITY

FOR SCOTCH WHISKY.

Claims use since Oct. 30, 1924.

Reg. No. 311,611. Registered Mar. 27, 1934. WRIGHT & GREIG LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

RODERICK DHU

FOR WHISKY.

Claims use since 1884.

Reg. No. 312,501. Registered May 1, 1934. BULLOCH LADE & Co. LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.



No claim is made to the wording appearing on the drawing with the exception of the notations "BL" and "In Defence."

FOR SCOTCH WHISKY.

Claims use since 1890.

Reg. No. 312,564. Registered May 1, 1934. ANDERSON & SHAW, LIMITED, Glasgow, Scotland. Republished by J. Deans & Co. Limited, Glasgow, Scotland, a limited liability company of Great Britain.



The words "Whisky" "Perfection of Old Scotch" and "Glasgow, Scotland" are disclaimed apart from the mark as shown.

FOR WHISKY.

Claims use since 1876.

Reg. No. 313,381. Registered May 29, 1934. DANIEL CRAWFORD & SON LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.



The words "Finest Very Old Scotch Whisky Distilled In Scotland" and "Glasgow" are disclaimed apart from the mark as shown.

FOR SCOTCH WHISKY.

Claims use since Dec. 30, 1914.

Reg. No. 316,134. Registered Aug. 14, 1934. WHITE HORSE DISTILLERS LIMITED, Glasgow, Scotland, a British corporation. Republished by registrant.



The words "Extra Age Superb Old Highland Whisky, Special Glasgow & London, Distilled and Bottled in Scotland" are disclaimed apart from the mark as shown. The drawing is lined for the colors pink and gold.

FOR SCOTCH WHISKY.

Claims use since Dec. 11, 1903.

Reg. No. 322,209. Registered Feb. 26, 1935. SAZERAC COMPANY, INCORPORATED, New Orleans, La., a corporation of Louisiana. Republished by registrant.

FORGET-ME-NOT



FOR WHISKEY.

Claims use since Sept. 15, 1934.

Reg. No. 328,454. Registered Oct. 1, 1935. SAZERAC COMPANY, INCORPORATED, New Orleans, La., a corporation of Louisiana. Republished by registrant.



FOR GIN.

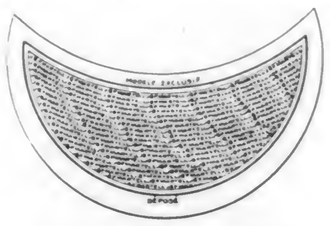
Claims use since May 10, 1935.

Reg. No. 328,455. Registered Oct. 1, 1935. SAZERAC COMPANY, INCORPORATED, New Orleans, La., a corporation of Louisiana. Republished by registrant.

SILVER WAVE

FOR GIN.
Claims use since May 2, 1935.

Reg. No. 328,888. Registered Oct. 8, 1935. MARTELL & CO., Cognac, France. Republished by J. & F. Martell, Inc., New York, N. Y., a corporation of New York.



The words "Model Exclusif" and "Depose" are disclaimed apart from the mark as shown.
FOR BRANDY.
Claims use since May 16, 1893.

Reg. No. 328,929. Registered Oct. 8, 1935. MARTELL & CO., Cognac, France. Republished by J. & F. Martell, Inc., New York, N. Y., a corporation of New York.

MARTELL

J & F. Martell
CORDON BLEU
Martell & Co

FOR BRANDY.
Claims use since Feb. 18, 1933.

Reg. No. 330,844. Registered Dec. 17, 1935. MARTELL & CO., Cognac, France. Republished by J. & F. Martell, Inc., New York, N. Y., a corporation of New York.

MARTELL

J & F. Martell
CORDON ARGENT
Martell & Co

FOR BRANDY.
Claims use since Feb. 18, 1933.

Reg. No. 333,350. Registered Mar. 17, 1936. MARTELL & CO., Cognac, France. Republished by J. & F. Martell, Inc., New York, N. Y., a corporation of New York.



The word "Cognac" and the representation of a metallic cap are disclaimed apart from the mark as shown.
FOR BRANDY.
Claims use since Feb. 25, 1922.

Reg. No. 333,394. Registered Mar. 17, 1936. SAZERAC COMPANY, INCORPORATED, New Orleans, La., a corporation of Louisiana. Republished by registrant.

Kentucky Dale

FOR WHISKEY.
Claims use since Oct. 1, 1935.

Reg. No. 342,723. Registered Jan. 26, 1937. JOHN ROBERTSON & SON LIMITED, Dundee, Scotland, a limited liability company of Great Britain. Republished by registrant, present address Leith, Scotland.

B.E.B.

FOR SCOTCH WHISKY.
Claims use since Dec. 1, 1927.

Reg. No. 346,779. Registered June 8, 1937. SAZERAC COMPANY, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.



FOR GIN.
Claims use since Oct. 15, 1936.

Reg. No. 365,952. Registered Mar. 21, 1939. WILLIAM GREER & CO. LIMITED, Glasgow, Scotland, a limited liability company of Great Britain. Republished by registrant.

O.V.H

FOR SCOTCH WHISKY.
Claims use since at least the year 1908.

Reg. No. 367,490. Registered May 16, 1939. JOHN ROBERTSON & SON LIMITED, Leith, Scotland, a limited liability company of Great Britain. Republished by registrant.



The representation of the label per se, and all the wording except "Robertson's," "Beb," and the name of the applicant are disclaimed apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since Dec. 1, 1927.

Reg. No. 381,622. Registered Oct. 1, 1940. SAZERAC CO., INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

Jean Lafitte



FOR WHISKEY.
Claims use since December 1937.

Reg. No. 395,583. Registered June 2, 1942. E. & J. GALLO WINERY, Modesto, Calif., a corporation of California. Republished by registrant.

Cream OF California

The word "California" is disclaimed apart from the mark as shown.
FOR BRANDY.
Claims use since Nov. 14, 1941.

Reg. No. 417,185. Registered Oct. 16, 1945. LEROUX AND COMPANY, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Gold-O-Mint

The word "Mint" is disclaimed apart from the mark as shown.
FOR CREME DE MENTHE.
Claims use since Oct. 10, 1944.

REISSUES

DECEMBER 28, 1948

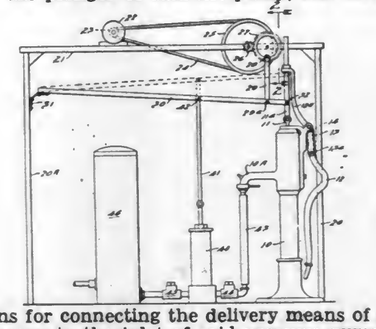
23,067
PUMP

Erle K. Baker, Detroit, Mich., assignor to Baker Axle Company, Cleveland, Ohio, a corporation of Ohio

Original No. 2,429,384, dated October 21, 1947, Serial No. 644,363, January 30, 1946. Application for reissue December 13, 1947, Serial No. 791,571

11 Claims. (Cl. 103—5)

1. In combination with a conventional hand operated reciprocating plunger containing lift pump, means for providing delivery under pressure, said means consisting of a frame, a motor mounted thereon, a lever pivoted at one end to said frame, actuating means connecting said motor and lever whereby to oscillate the latter, a pressure pump operably connected to said lever, means on said lever to connect the same with the plunger of said lift pump, and conduit



means for connecting the delivery means of said lift pump to the inlet of said pressure pump.

PLANT PATENTS

GRANTED DECEMBER 28, 1948

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

816
AVOCADO TREE

Charles H. Hamburg, Whittier, Calif.

Application October 26, 1946, Serial No. 705,960

1 Claim. (Cl. 47—62)

A variety of avocado tree substantially as disclosed, characterized by an upright, central leader type, slender and vigorous habit, uniformly distributed branches, and clusters of foliage at terminals of the branches, said tree bearing a relatively thin-skinned, green fruit maturing in greatest proportion during June and July when propagated in Southern California.

817
JAPANESE HOLLY PLANT

John Franklin Styer, Concordville, Pa.

Application August 28, 1946, Serial No. 693,426

1 Claim. (Cl. 47—59)

The new variety of *Ilex crenata*, Japanese holly plant, characterized particularly by branch growth substantially horizontal, associated with rapid growth and free branching in all directions, with leaves smaller than the ordinary or type of the species, with great plant hardiness and with plant form more broad than tall, as shown and described.

PATENTS

GRANTED DECEMBER 28, 1948

2,457,108

ADHESIVE AND METHOD OF MAKING

Chester L. Baker, Narberth, and Robert H. Sams, Upper Darby, Pa., assignors to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application July 24, 1943, Serial No. 496,088
16 Claims. (Cl. 106—79)

1. In the manufacture of dry-mix adhesives, the process which comprises mixing a colloidal clay with a concentrated sodium silicate solution having a ratio of Na_2O to SiO_2 within the range of about 1:1.5 to 1:4, the clay being in amount sufficient to produce dehydration of said silicate at least to a semi-solid state, mixing in a vegetable protein in a quantity at least equal to the weight of the clay in the mixture and bringing the water content to within the range of from 5 to 47.5 per cent by weight to form a dry-mix adhesive which, when added to water, forms a final adhesive having an operating life substantially longer than that of an adhesive of similar composition formed directly from said silicate solution without passing through said semi-solid stage.

2,457,109

PROCESS OF PREPARING 2-AMINO-4-HYDROXY-6-METHYL PYRIMIDO [4,5-b] PYRAZINE

James H. Boothe, Pearl River, N. Y., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 2, 1946, Serial No. 645,253
3 Claims. (Cl. 260—251)

1. A method of preparing 2-amino-4-hydroxy-6-methylpyrimido [4,5-b] pyrazine which comprises mixing together in a solvent 2,4,5-triamino-6-hydroxy pyrimidine and an ester of a haloacetol and thereafter recovering the said product.

2,457,110

CHOCOLATE COATED EDIBLES

Henry Russell Burbank, New York, and Benjamin J. Zenlea, Ozone Park, Long Island, N. Y., assignors to Rockwood & Co., Brooklyn, N. Y., a corporation of Delaware

No Drawing. Application May 25, 1945, Serial No. 595,886
10 Claims. (Cl. 99—134)

1. The method of making chocolate coated edibles which comprises dipping the edible in a homogeneous liquid comprising chocolate-coating material and water, the chocolate-coating material having a butter-fat content in such proportion to the other constituents of said material that upon elimination of the water substantially entirely from the coating on the edible the chocolate coating thereof has a viscosity not substantially less than about 2000° MacMichael at a temperature of about 100° F.

2,457,111

SUCCINIC ESTER SYNTHESIS

William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 28, 1947, Serial No. 738,007
7 Claims. (Cl. 260—485)

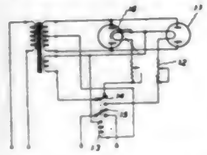
1. A process for the synthesis of esters of succinic acid which comprises heating a beta-alkoxypropionic ester of the formula $ROCH_2CH_2COOR'$, R and R' being alkyl groups containing from 1 to 4 carbon atoms, with carbon monoxide at a temperature within the range of 125° to 300° C. in the presence of a catalyst of the class consisting of BF_3, H_2SO_4, and $H_4P_2O_7$, under a pressure of at least about 300 atmospheres whereby a dialkyl succinate of the formula $ROCOCH_2CH_2COOR'$ is produced, and recovering the said dialkyl succinate from the resultant reaction mixture.

2,457,112

TIME-DELAY SWITCH OPERATING SYSTEM

David John Abercrombie, Edward Anthony Brettingham-Moore, and Winston Thomas Muscio, Alexandria, near Sydney, New South Wales, Australia, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application October 10, 1944, Serial No. 558,004
In Australia November 16, 1943
3 Claims. (Cl. 175—320)



1. A time delay switch operating system comprising an indirectly heated double diode valve including cathode and anode electrodes, said cathode having a heater, a directly heated double diode valve, said valves circuited in parallel, means for applying a potential difference across the electrodes of said valves and for supplying current to the heaters of said valves, a pair of resistances, each respectively included in the heater circuits of said valves, a relay coil between said cathode and said means for applying a potential difference, a pair of switches in operative association with said relay coil, a first of said switches in the circuit under control, and the second of said switches operating to close the heater circuit of either of said valves.

2,457,113

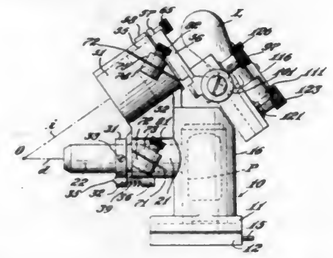
SCANNING UNIT

Milton Alden, Brockton, Mass.

Application June 26, 1945, Serial No. 601,702
5 Claims. (Cl. 250—41.5)

1. A self-contained scanning unit incorporating a lamp and a light detector which supervises

through an optical system an object illuminated by the lamp through another optical system, comprising a unitary mounting block having means for securing it to a support and carrying above said securing means integrally therewith a lamp system mount, a detector system mount and a detector housing, said mounts rigidly and permanently securing intersection of the axes of said systems; a lamp platform secured to said lamp system mount for movement along and defining a plane substantially normal to said lamp system axis; means for positively driven adjustment of



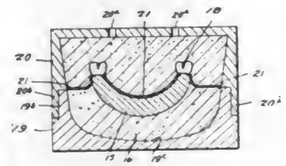
said platform along said lamp system axis; a lamp base slidingly mounted on said platform; means for positively driven adjustment of said base in two intersecting directions within said plane; means for rigidly fixating said platform and said lamp base in adjusted position; a detector lens system supported on said detector system mount for movement along said detector system axis; and means for positively adjusting and fixating the position of said detector lens system; said adjusting and fixating means having manual controls which terminate in close proximity to each other near the free end of said block substantially opposite said securing means.

2,457,114

PROCESS OF FORMING DENTURES FROM POLYMERIZABLE ACRYLIC MATERIALS

Sam Amenta, Chicago, Ill.

Application July 12, 1944, Serial No. 544,557
2 Claims. (Cl. 18—55.1)



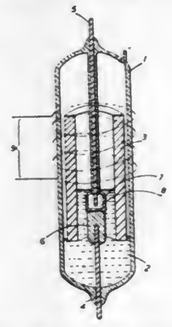
1. In a process of forming dentures, in which polymerizable acrylic materials are placed over artificial teeth set in mold forming materials in a metal flask and cured, the improvement in the curing operation comprising immersing the flask containing the said materials in a bath of water having a temperature between 150° and 160° F. for from fifty to sixty minutes, then in a bath of boiling water for thirty minutes, then in a bath of water having a temperature between 130° and 140° F. and after the flask has been in said last named bath approximately thirty minutes removing the flask therefrom and immediately removing the denture from the flask.

2,457,115

ELECTRIC SWITCH

James Leslie Ashford, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application June 22, 1943, Serial No. 491,753
In Great Britain July 28, 1942
2 Claims. (Cl. 200—112)



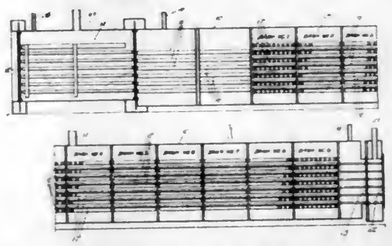
1. An electric switch comprising an upstanding cylindrical vessel filled with an inert gas under pressure, a pool of mercury in the vessel, a conducting lead extending through the bottom end wall of the vessel and into contact with the mercury pool, a piston-like armature of magnetic material in the vessel and of a diameter to have a sufficiently close fit therein to prevent the rise of mercury in the intervening space closely adjacent the side walls thereof, a solenoid surrounding the vessel and positioned above the mercury pool and capable of energization to determine the extent to which the armature is immersed in the mercury, and an insulating cup member supported on the upper end portion of the said lead and having a diameter to establish a close spaced relation with the internal surface of the armature and a lead through the top end wall of the vessel having an insulating coating extended within the cup and an exposed end immersed in the mercury within said cup.

2,457,116

VACUUM DRYING

John M. Baer, Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del., a corporation of Delaware

Application February 28, 1944, Serial No. 524,177
6 Claims. (Cl. 34—37)



1. The method of drying a moisture-containing product which comprises substantially removing air therefrom and replacing it with an atmosphere of steam at low absolute pressure, introducing the deaerified product in successive increments under vacuum to a drying zone, supplying an atmosphere

substantially of superheated steam, moving the product in increments through the zone in a predetermined course concurrently with a surrounding stream of said superheated steam in contact therewith while subjecting the product to intense radiant energy on all sides from a source adjacent the product other than the superheated steam in contact therewith, then moving the product countercurrent to another stream of superheated steam introduced into the drying zone from an outside source to complete the drying, simultaneously introducing succeeding increments of the product concurrently with succeeding portions of the first stream of steam, and removing both currents of steam together centrally of the drying zone.

2,457,117

PROCESS FOR THE MANUFACTURE OF AMINO ACIDS

Dominic J. Bernardi, Bronx County, N. Y., assignor to Interchemical Corporation, a corporation of Ohio

No Drawing. Application October 23, 1945, Serial No. 624,081
4 Claims. (Cl. 260—309)

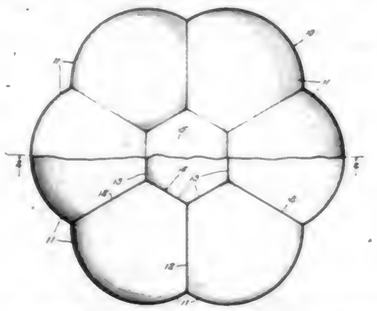
2. In the process of separating lysine and arginine from hydrolyzed protein which contains them and other amino acids, the steps which comprise adjusting the pH value of the hydrolysate to about 8, passing said hydrolysate in contact with a body of loose, particulate ion-exchange material which operates in the salt cycle whereby the lysine and arginine of the hydrolysate are retained in said ion-exchange material while the remaining amino acids of the hydrolysate are in the effluent, and washing said ion-exchange material with a dilute salt solution to eluate the lysine and arginine in the washing liquid whereby they may be recovered separately from the other amino acids which were contained in the hydrolysate.

2,457,118

SPHEROIDAL PRESSURE VESSEL

Harry C. Boardman, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois

Application October 7, 1943, Serial No. 505,297
5 Claims. (Cl. 220—1)



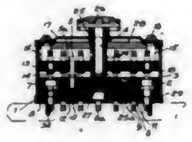
1. A pressure vessel of generally spheroidal form comprising a pressure shell consisting of intersecting spherical segments composed of integrated sheet metal worked plates welded at their intersections to provide a fluid tight vessel, and secured against pressure deformation by inwardly extending diaphragms welded to the intersecting segments at the points of intersection of adjacent segments, said diaphragms having their inner edges connected, the total weight of metal in said vessel being not substantially more than required for a spherical pressure vessel of equal volume and pressure capacity.

2,457,119

ELECTRICAL CONNECTOR

Paul L. Bour, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application March 1, 1943, Serial No. 477,644
In France March 6, 1942
7 Claims. (Cl. 173—328)



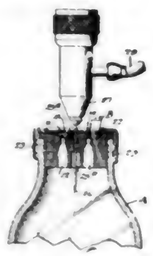
1. An electrical multi-contact connector having a fixed element and a movable element, the latter comprising an insulating plate carrying a plurality of contact elements and a plurality of spacer posts, a cover resting upon and being releasably secured to said spacer posts, and an envelope encircling said insulating plate and spacer posts and including at least one cable outlet nozzle projecting from said envelope in a predetermined direction, said envelope having an inwardly bent rim portion adapted to be clamped between said posts and said cover.

2,457,120

CONTAINER AND METHOD OF USING SAME

Wayne D. Brandon, Skokie, Ill., assignor to Baxter Laboratories, Inc., Glenview, Ill., a corporation of Delaware

Application November 28, 1944, Serial No. 565,536
9 Claims. (Cl. 128—214)



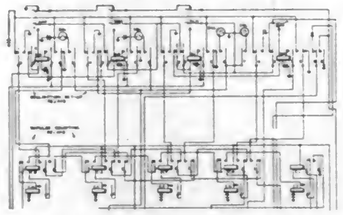
9. In a container provided with an open neck, closure means for said container comprising a resilient plug engaging the neck of the container in sealing relation therewith, said plug being provided with a pair of passages extending therethrough, each of which is closed in its upper portion by a thin integral diaphragm, said plug having its bottom portion cut away at a point generally between said openings to provide a thick diaphragm, said diaphragm, after being punctured with a point-equipped tube, being self-sealing against the passage of air therethrough when said tube is withdrawn, and a resilient flexible sealing member extending across the top wall of said plug and adapted to form an indentation above either of said passages under the influence of vacuum within said container if either of said diaphragms should be broken.

2,457,121

ELECTRIC SIGNALING SYSTEM

Andrew Brown and Thomas Alfred Marshall, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application January 12, 1944, Serial No. 517,970
In Great Britain February 9, 1943
7 Claims. (Cl. 177—353)



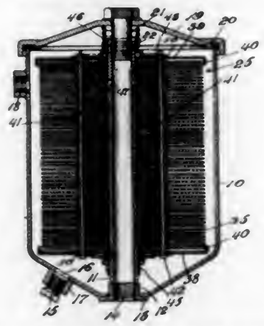
1. A train describer comprising a plurality of groups of relays each group arranged to store a train description according to the selective operation of individual relays within the group, a group of prestorage relays, oppositely polarized receiving relays, means for passing the description immediately from said oppositely polarized receiving relays to said group of prestorage relays and relay means for subsequently transferring the description in said group of prestorage relays to the appropriate group of storage relays and for transferring successive descriptions from said prestorage relays into successive groups of said storage relays in a closed cyclic order.

2,457,122

CELL TYPE FILTER ELEMENT

George D. Burley, Cleveland, Ohio, assignor, by mesne assignments, to Fram Corporation, East Providence, R. I., a corporation of Rhode Island

Application June 27, 1947, Serial No. 757,630
5 Claims. (Cl. 210—169)



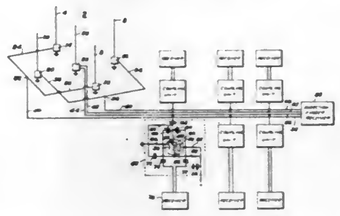
1. A cell type filter element comprising a stack of sheet members of identical configuration, each member having an opening for registering with a like opening in the next member, and each member having a web portion radiating from said opening throughout substantially 180° of arc from the center of said opening to the periphery of said element and radiating a lesser amount oppositely to enclose said opening, adjacent members being oppositely disposed to form cells between like positioned members on opposite sides of a diametrical line through the center axis of the element and with the portions surrounding the openings overlapping to provide the cell spacing.

2,457,123

COUPLING ARRANGEMENT

Henri G. Busignies, Forest Hills, Trevor H. Clark, New York, and Arbor G. Everhart, Islip, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application August 26, 1943, Serial No. 500,076
4 Claims. (Cl. 250—9)



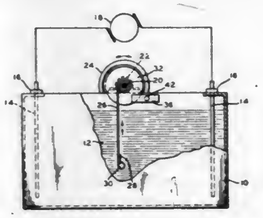
1. In combination, a direction finding system comprising an aperiodic directional antenna system and an aperiodic non-directional antenna system, a direction finding receiver, a pair of low impedance transmission lines each coupled at one of their ends to separate of said antenna systems, and terminating at their other ends at said direction finding receiver and coupled thereto, an even number of additional receivers, and a like number of coupling units, half of said coupling units coupling half of said receivers to one conductor of one of said transmission lines and the other half of said coupling units coupling the other half of said receivers to the other conductor of said one transmission line, whereby any interaction of one of said receivers with one of the transmission lines is balanced by a like interaction of one of the receivers coupled to the other of the transmission lines, with said other of the transmission lines.

2,457,124

WATER RHEOSTAT CONTROL

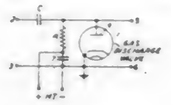
Vincent Chadwick, Chelsea, and Olaf I. E. Haliberg, Boston, Mass.

Application July 9, 1945, Serial No. 604,006
7 Claims. (Cl. 201—57)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



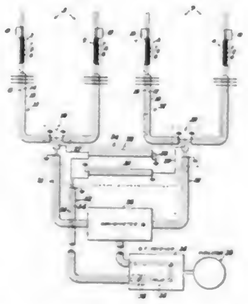
1. A device for controlling a rheostat including a tank containing electricity conducting liquid and electrodes mounted in spaced relation therein, said device comprising a rotatable shaft mounted transversely of said electrodes, a curtain of insulative material wound upon said shaft, means for weighting the free end of said curtain, and a member on said shaft for rotating the latter to raise or lower the curtain between said electrodes.

2,457,125
CIRCUIT ARRANGEMENT FOR PRODUCING ELECTRICAL PULSES
Prafulla Kumar Chatterjea and Leslie Wilfred Houghton, London W. C. 2, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 23, 1943, Serial No. 480,156
In Great Britain March 27, 1942
4 Claims. (Cl. 315—340)



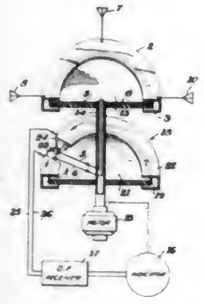
1. A receiving arrangement for reconstituting a time modulated pulse from two pulses marking its leading and trailing edges respectively, comprising a differentiating circuit, means for applying said two marking pulses to said differentiating circuit, means for deriving from said differentiating circuit two differential pulses of opposite sign for each marking pulse, a gas discharge valve including a plate and a cathode, a steady high tension potential source connected between said plate and said cathode to make said plate positive, means for applying said differential pulses to the input of said valve to initiate a discharge in response to the first marking pulse and subsequently to extinguish such discharge in the valve in response to the second marking pulse the time intervals between successive initiation and extinguishment of the said discharge being fixed by the interval between corresponding successive pairs of differential pulses, and an output circuit for said valve.

2,457,126
ANTENNA SYSTEM
Frank O. Chesus, Jackson Heights, and Frank G. Thomas, Islip, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 31, 1945, Serial No. 608,046
9 Claims. (Cl. 343—115)



1. A direction finder comprising two separate cross-connected pairs of spaced antenna units, means taking the difference between the voltages induced in the units of one pair, means taking the difference between the voltages induced in the units of the other pair, means comparing said differences to produce a directional indication, and a sensing arrangement including means taking the algebraic sum of the voltages induced in all of said units.

2,457,127
ANTENNA SYSTEM
Frank O. Chesus, Jackson Heights, and Frank G. Thomas, Islip, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 27, 1945, Serial No. 601,800
24 Claims. (Cl. 343—124)



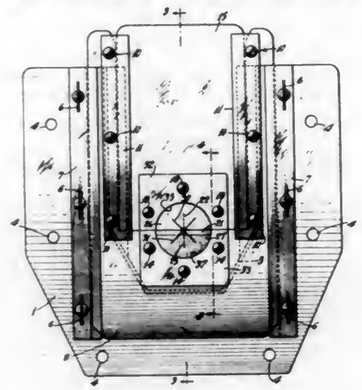
1. A goniometer comprising a pair of conductive members inductively related by a substantially uniform field, one of said members having coupling means connected to substantially symmetrically spaced points thereon, a pair of leads coupled to symmetrical points on the other conductor, and means for effectively rotating the position of said points of said coupling to said other member relative to said one member.

24. A direction finder collector system comprising two crossed pairs of spaced antenna units symmetrically disposed about a central axis, and a goniometer comprising three coaxial annular conductive members positioned adjacent each other and lying in parallel planes, means coupling the antenna units of one pair to diametrically opposite points on the upper of said members, means coupling the antenna units of the other pair to diametrically opposite points on the lower member which points are at right angles to said first mentioned points, a pair of leads coupled to substantially diametrically opposite points on the middle member, and means for effectively rotating the position of the points of connection of said leads relative to said upper and lower members.

2,457,128
WATER BARRIER
Frank J. Churnell, Bloomfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 18, 1945, Serial No. 617,003
2 Claims. (Cl. 61—22)

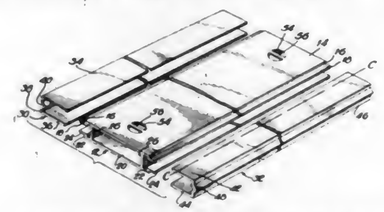
1. A cover forming a water seal while permitting the passage of a cylindrical body, comprising two rigid plate members formed with aligned holes, to accommodate said body, and a plurality of flexible diaphragms clamped between said plate members and formed of two parts each, including a first diaphragm adjacent one of said plate members having one part which extends substantially to the center of said holes and having another part formed with an extension lying within the hole of said one plate and extending across the width of said hole, said extension overlapping the edge of said one part, and further including a second diaphragm having two parts with abutting edges, said diaphragms being formed with slots extending radially of said holes

but less than the full diameter thereof, in such a manner that the slots in said first diaphragm



are staggered with respect to those in said second diaphragm.

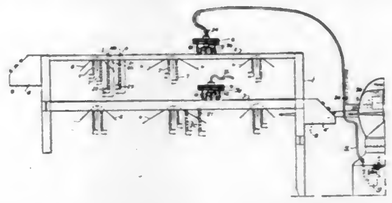
2,457,129
HATCH COVER
John K. Collings, Englewood, N. J., assignor to The Metal Lumber Corporation of New Jersey, Hoboken, N. J., a corporation of New Jersey
Application February 27, 1946, Serial No. 650,658
2 Claims. (Cl. 189—46)



1. A hatch cover section comprising a substantially rectangular tubular metallic body member having top and bottom walls and side walls connecting said top and bottom walls and a laterally extending flange at each side of said top and bottom walls, and a channel-shaped member at each side of said body member each having top and bottom flanges and a connecting web, said flanges of said body member and of said side members being formed with complementary joint portions for positioning said flanges of said side members in overlapping relation with said flanges of said body member, said side members being integrally secured to said body members.

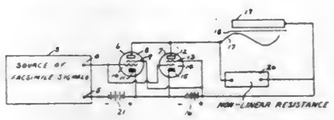
2,457,130
BLIND FLYING AND BLIND LANDING SYSTEM FOR AVIATION FLIGHT TRAINERS
Carl J. Crane and George V. Holloman, Dayton, Carl W. Muller, Osborn, and Raymond K. Stout, Dayton, Ohio
Application February 26, 1940, Serial No. 320,879
49 Claims. (Cl. 35—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

49. In a radio compass homing system for use in aviation ground trainers, a ground trainer, a reference surface, a course indicator movable relative to said reference surface at a speed proportional to the assumed flight velocity of said trainer, a radio compass signal receiving loop antenna rotatably mounted on said indicator, and means



controlled by said trainer for simultaneously directionally controlling said relative motion of said course indicator and the plane of said radio compass loop antenna.

2,457,131
FACSIMILE OVERLOAD CONTROL WITH NONLINEAR RESISTANCE IN OUTPUT
Richard C. Curtis, Short Hills, N. J., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application September 25, 1946, Serial No. 699,171
1 Claim. (Cl. 346—33)

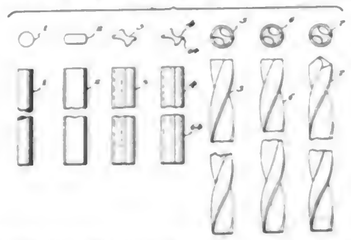


In a recorder adapted to record upon a recording medium exhibiting a maximum tolerable recording voltage, a source of signals, at least one constant current vacuum tube for controlling a recording current, input and output circuits to said tube, said input circuit being connected to said signal source, at least one pair of electrodes connected to said output circuit for impressing recording signals upon said recording medium located therebetween, and at least one non-linear resistor, having a relatively high resistance at voltages below said tolerable voltage and a relatively low resistance at voltages above said tolerable voltage, connected across said electrodes and the output circuit of at least one of said constant current tubes, said non-linear resistance alternately preventing the output voltage of said output circuit from exceeding said maximum tolerable recording voltage and preventing said output voltage from decreasing to a point where low output voltage may injure said constant current tubes.

2,457,132
METHOD OF MANUFACTURING TWIST DRILLS
Harry W. Delaney, Chicago, Ill., assignor, by mesne assignments, to Republic Drill & Tool Company, a corporation of Delaware
Application May 31, 1941, Serial No. 395,961
8 Claims. (Cl. 76—108)

1. In the method of making twist drills the steps which comprise heating bar stock of multiple drill length to a temperature high enough to facilitate mechanical working, forming longitudinal flutes in the full length of said stock and simultaneously forming beads along alternate

edges of said flutes, and twisting said fluted stock by torsional forces applied to opposite ends of



said stock to drill form of uniform cross-sectional shape throughout its length.

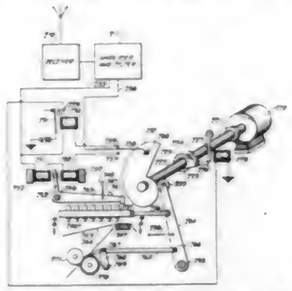
2,457,133

FRAGMENTARY CHARACTER PRINTER

Edmond M. Deloraine, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Original application October 18, 1941, Serial No. 415,554, now Patent No. 2,365,458, dated December 19, 1944. Divided and this application September 6, 1944, Serial No. 552,887. In Canada June 24, 1943

1 Claim. (Cl. 178—30)



In a facsimile printer a record surface comprising a paper tape, a stationary platen therefore, an inked ribbon disposed over said tape, a printhammer disposed over said platen means for moving said printhammer in response to signal impulses, a chariot, a guideway in which said chariot may move between said printhammer and inked ribbon, a plurality of diagonally disposed styli movably supported in said chariot and arranged when struck by said printhammer to cause said ribbon to mark the paper tape, a pivoted arm arranged to be oscillated, a link connecting said arm to said chariot whereby the chariot is moved in said guideway corresponding to the movement of said arm, a single-cycle rotary cam swinging said arm uniformly in one direction for printing and releasing it for rapid return, and means operated by said arm in its return movement to feed the paper tape.

2,457,134

RADIO SYSTEM FOR TRANSMISSION AND RECEPTION ON THE SAME FREQUENCY

Melvin L. Doelz, Cedar Rapids, Iowa, assignor to Collins Radio Company, a corporation of Iowa

Application February 28, 1944, Serial No. 524,206

9 Claims. (Cl. 250—13)

1. Radio apparatus of the character described, including: a variable frequency generator; a fixed frequency generator; means for mixing the outputs of said generators and filtering the resultant waves to provide an initial wave output; means for amplifying and transmitting said initial wave output; means for displacing the frequency of the fixed generator to effect a predetermined displacement of the frequency of the wave output; and a super-heterodyne receiving system having an intermediate frequency



amplifier adapted to pass a frequency corresponding to the difference between the initial and displaced frequencies of said waves, a mixer delivering its output to the intermediate frequency amplifier, and means for connecting the first mentioned mixer to the last mentioned mixer, whereby the displaced waves serve as the local heterodyning waves for said receiving system.

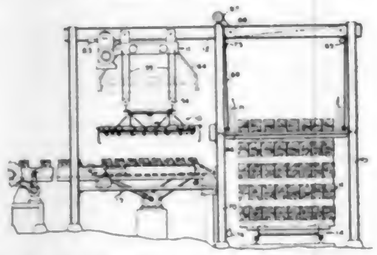
2,457,135

GRAPPLE

August M. Delters, Atlanta, Ga., assignor to Southern Wood Preserving Company, Atlanta, Ga., a corporation of Georgia

Application November 4, 1946, Serial No. 707,683, which is a division of application Serial No. 707,681, dated November 4, 1946. Divided and this application November 4, 1946, Serial No. 707,682

12 Claims. (Cl. 294—87)



10. A grapple for lifting as a unit a rick layer of crossties or the like consisting of a plurality of spaced parallel crossties having at least one of their adjacent ends mounted on a transverse stringer crosstie, comprising a substantially rectangular frame; a plurality of pairs of grab hooks pivotally mounted on the frame and adapted to engage the opposite ends of the spaced crossties; a pair of grab hooks extending transversely of and pivotally mounted on said frame adjacent each end thereof and adapted to engage the opposite end of a stringer crosstie; a horizontally spaced pair of bridle members extending longitudinally of and rigidly secured to said frame, said bridle members having a plurality of horizontally aligned longtiudinally spaced pairs of suspension means formed thereon; a lifting member adapted to be connected to cable hoist positioned between said bridle members with its ends adapted to selectively engage a pair of said aligned suspension means whereby when said lifting member is hoisted by said cables, said grapple will be suspended from said lifting member; said aligned pairs of suspension means being so positioned relative to the transverse axis of the grapple that the grapple will be balanced in a horizontal plane about its transverse axis when suspended with the lifting member engaged in a pair of aligned suspension means pre-selected with reference to the particular load; and means for shifting said lifting member from one pair of aligned suspension means to another.

2,457,136

ARRANGEMENT FOR FREQUENCY MEASUREMENTS

Charles William Earp, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

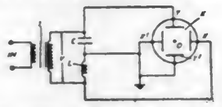
Application January 16, 1945, Serial No. 573,103

In Great Britain December 8, 1943

Section 1, Public Law 690, August 8, 1946

Patent expires December 8, 1963

5 Claims. (Cl. 172—245)



1. An arrangement for measuring the frequency of an electrical signal wave comprising a potential divider which includes two series-connected network portions solely composed of reactive elements and having different reactance characteristicts, means for applying the signal wave to the potential divider, a measuring instrument, means for separately applying the potential differences obtained across the said network portions to said measuring instrument to indicate frequency, and means comprising at least one series resonant circuit connected in shunt with the potential divider to improve the uniformity of response of said instrument.

2,457,137

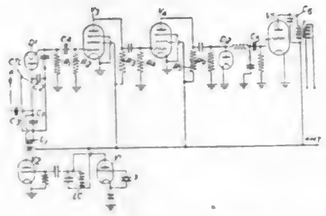
ULTRA HIGH FREQUENCY SYSTEM

Charles William Earp and Charles Eric Strong, London W. C. 2, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application March 24, 1943, Serial No. 480,312

In Great Britain May 22, 1942

4 Claims. (Cl. 250—6)



1. The method of signaling which comprises generating a carrier wave at an ultra high frequency, successively varying said carrier wave over a continuous frequency range at a uniform repetition rate negligibly low in comparison to any carrier frequency, amplitude modulating said carrier in accordance with intelligence bearing signals to be transmitted, said intelligence bearing signals being at frequencies lower than, but generally of the same order, as said repetition rate so that substantially all carrier energy is in said continuous range, transmitting said carrier to a receiving station, and beating said received carrier with a frequency substantially equal to the mean of said varied frequency, amplifying the resulting beat frequency in an amplifier possessing a narrow band width relative to the frequency spectrum of the received signals whereby pairs of pulses repetitive at a rate proportional to said repetition rate and of amplitude proportional to said intelligence bearing signals are produced, detecting said pairs of pulses, and amplifying said pulses in an amplifier tuned to said repetition rate whereby the amplitude modulation corresponding to said intelligence bearing signals is obtained.

2,457,138

RECTIFIER

Charles A. Escoffery and Walter H. Hawk, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application July 22, 1947, Serial No. 762,696

10 Claims. (Cl. 175—366)



1. A rectifier comprising a tubular member, at least the interior surface portion being electrically conductive material, a semi-conductive material coated on the said electrically conductive portion of said member, a counter-electrode layer on said semi-conductive material, and caps sealing the ends of said member, said caps including means electrically connected, respectively, to said member and to said counter-electrode.

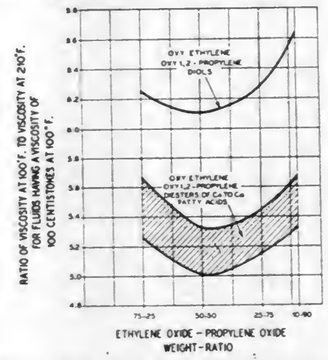
2,457,139

ESTERS OF POLYOXYALKYLENE DIOLS

Harvey R. Fife, Mount Lebanon, Pa., and Walter J. Toussaint, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

Application February 26, 1946, Serial No. 650,318

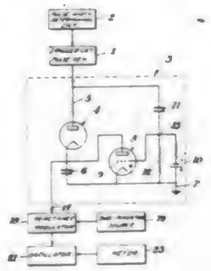
9 Claims. (Cl. 260—410.6)



1. Fatty acid esters of a mixture of heteric oxyethylene-oxy 1,2-propylene diols in which ethylene oxide and 1,2-propylene oxide are combined therein as oxyethylene and oxy 1,2-propylene groups in a ratio which is at least one-third part of 1,2-propylene oxide for each part of ethylene

oxide, by weight; said diols containing in a single molecule both the oxyethylene and the oxy 1,2-propylene groups and said mixture having an average molecular weight of at least 300 attributable to said groups.

2,457,140
VOLTAGE CONTROL CIRCUIT
Sidney Frankel, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 9, 1944, Serial No. 557,805
7 Claims. (Cl. 250—36)



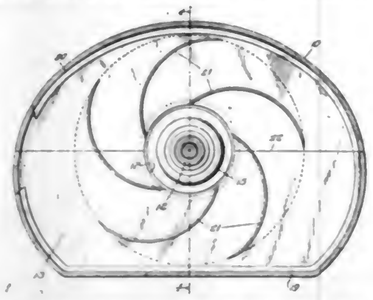
7. An electrical system for providing a final voltage having an amplitude proportional to the varying widths of control pulses comprising a storage means, a rectifier circuit, means for charging said storage means with said control pulses through said rectifier circuit, a gas-filled electron discharge device coupled across said storage means, said device comprising a control electrode, means for differentiating said control pulses, to obtain an output thereof, means for applying said differentiated output to said control electrode whereby said device discharges said storage means to a given level.

2,457,141
METHOD OF PREPARING DOUBLE SALTS OF ASCORBO-SALICYLATE
Joel G. Freeman, Mount Vernon, N. Y., assignor to Pharmaceutical Organics Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 12, 1946, Serial No. 676,340
10 Claims. (Cl. 260—344.5)

10. A method of preparing calcium ascorbosalicylate consisting of mixing substantially stoichiometric proportions of ascorbic acid and salicylic acid, and adding a suspension of calcium hydroxide in a relatively small amount of water, thereby converting said mixture into a pasty mass of flowable consistency at normal temperature, whereby an exothermic reaction is induced resulting in the formation of calcium ascorbosalicylate.

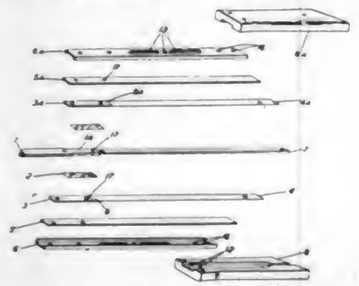
2,457,142
FAN FOR SUCTION CLEANERS
Edward A. French, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application January 6, 1945, Serial No. 571,573
15 Claims. (Cl. 230—130)

1. A fan of the type used in suction cleaners comprising a generally oval-shaped housing with the long axis of the oval arranged in horizontal position, a plurality of rotatable blade assemblies, a fixed blade assembly between each two consecutive rotatable blade assemblies and held by said housing, and a single unitary hub connected to a



motor shaft and upon which the rotatable blade assemblies are mounted.

2,457,143
ELECTRIC SOLDERING IRON
Gilbert Gilliver, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 20, 1943, Serial No. 495,417
In Great Britain October 23, 1942
5 Claims. (Cl. 219—26)

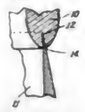


1. An electric soldering iron comprising a bit formed with a flattened extended heat conducting portion, a pair of oppositely positioned channel members, flat current-conducting strips of electric resistance material interposed between the channel members and the bit extension and facing said bit extension, the areas of the facing surfaces of said extension and said strips being substantially equal and continuous means for electrically insulating the strips from the bit along at least the greater portion of their lengths, means for electrically and heat insulating the channel members from the bit, conductors connected to the strips at one end thereof and common means to clamp the parts together and to electrically connect the opposite ends of the resistance strips.

2,457,144
METHOD OF SEALING METAL TO GLASS
Lynn C. Goodale, Newark, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application June 29, 1942, Serial No. 448,936
5 Claims. (Cl. 49—81)

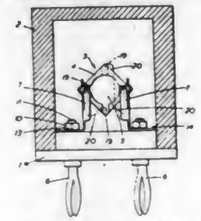
1. The method of sealing glass to metal which includes the steps of placing the metal and glass in contact while at normal temperature, raising the temperature of the glass sufficiently to soften

it, forcing the metal into the softened glass for a predetermined distance and retracting the met-



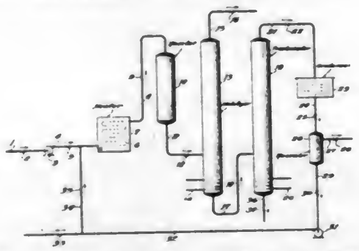
al for a lesser distance, forming a positive meniscus at the surface of contact.

2,457,145
MOUNTING FOR PIEZOELECTRIC CRYSTALS
Frank Gray, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 5, 1946, Serial No. 639,291
In Great Britain January 23, 1945
4 Claims. (Cl. 171—327)



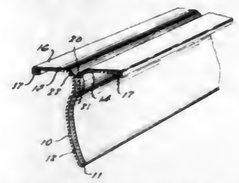
1. A mounting for a piezo-electric crystal in the form of a square lamina comprising two spring strips mounted parallel to one another and each having a free end povided with a V-shaped recess, said recesses being adjacent and facing one another, said recesses being shaped so that said V has an angle slightly less than one right angle for receiving opposite corners of the crystal and for exerting a gripping pressure transverse to the diagonal between said corners.

2,457,146
PROCESS FOR PRODUCING HIGH BOILING POLYMERS
Henry W. Grote, Downers Grove, Robert L. Swoope, Berwyn, and Charles S. Brearley, Jr., Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 27, 1947, Serial No. 757,512
15 Claims. (Cl. 260—683.15)



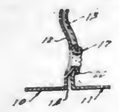
1. A process which comprises polymerizing propylene containing not more than about 0.03 mole per cent of water in the presence of a solid polymerization catalyst containing a phosphoric acid catalyst compound, isolating from the resultant polymer product a fraction comprising essentially olefins with more than about 10 carbon atoms per molecule, and recycling polymers containing less than about 12 carbon atoms per molecule to the polymerization zone together with additional fresh propylene-containing charging stock.

2,457,147
BEAM
William J. Hall, Detroit, Mich., assignor, by mesne assignments, to Great Lakes Steel Corporation, Detroit, Mich., a corporation of Delaware
Application December 29, 1943, Serial No. 516,001
1 Claim. (Cl. 189—37)



A metal nailing beam comprising a relatively thicker piece of strip steel rolled to form parallel webs connected along one edge by a reverse bend in the strip and having a flange directed laterally from the other edge of each web to form a T-shape beam, said flanges having their inner portions flaring outwardly to form an elongated nail guiding depression, and a cover strip of relatively thinner, puncturable metal overlying the outer faces of the flanges and the depression between the flanges, said cover strip being connected to the flanges and connecting the strip and flanges together and including an elongated, continuous depression nesting in the first mentioned depression with the side walls of the depression in said cover strip contacting the sides of the depression formed by the flanges and resiliently holding the webs in predetermined spaced relation to form a nail receiving slot therebetween while permitting limited spreading of the webs when a nail larger than the slot is driven into the slot between the webs.

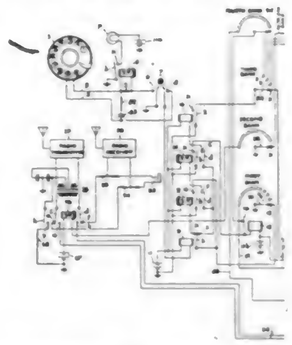
2,457,148
STRUCTURAL BEAM
William J. Hall and Orley J. Crowe, Detroit, Mich., assignors to Great Lakes Steel Corporation, a corporation of Delaware
Application August 2, 1943, Serial No. 497,012
1 Claim. (Cl. 189—37)



A nailing beam comprising two webs and a plurality of connecting means fastening said webs together and holding them in predetermined spaced relation for receiving and anchoring nails driven therebetween, each of the connecting means comprising metal of one web pressed outwardly toward the other web to form a boss and a tubular projecting form of web metal located inwardly from the margin of the boss to leave a marginal shoulder extending completely about the tubular projection, said tubular projection extending from the shoulder through an opening in the other web having the same size and shape as the exterior of the tubular projection in the opening, said shoulder engaging the inner surface of the other web around the opening to maintain the webs in predetermined spaced relation and

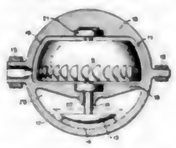
said tubular projection having its outer free end expanded outwardly into clamping engagement with the other web about the opening to lock the webs together and hold said other web against said shoulder.

2,457,149
SELECTIVE SIGNALING CIRCUIT
John Amos Herbst, Pompton Lakes, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 20, 1947, Serial No. 735,939
11 Claims. (Cl. 177—353)



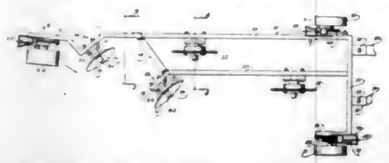
1. In a selective call system means for storing a call number digit-by-digit, means for comparing adjacent digits one with another, means operative to translate the stored call number into a code signal of the type wherein different figures are represented by pulses each having one of ten different frequency characteristics, and means controlled by said comparing means for introducing into said code signal a pulse having an eleventh frequency characteristic to represent the second of two adjacent digits that are numerically the same.

2,457,150
GYROSCOPE SYSTEM
Guy L. H. Herondelle, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1943, Serial No. 481,507
In France October 30, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 30, 1961
8 Claims. (Cl. 74—5)



1. A gyroscopic system including a mass and a shaft, supporting said mass and arranged to rotate therewith, comprising a hollow body supporting said shaft at one end thereof, a liquid ballast contained in said hollow body, means for rotating said mass and said shaft, said hollow body and shaft being so arranged that the axis of generation of said hollow body passes through the center of gravity of the rotary system, and the other end of the shaft of the gyroscope being partially immersed in and rotating the liquid ballast in such a way that the trajectory of the center of gravity of the liquid ballast will follow a direction substantially opposite to the gyroscopic precession.

2,457,151
DISK PLOW
Levi Cummings Hester, Jacksonville, Fla.
Application April 19, 1945, Serial No. 589,185
1 Claim. (Cl. 97—53)



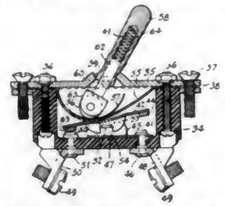
In a disc plow the combination with a frame comprising a forward cross piece having a short rearwardly extending wheel carrying arm at one end and a long rearwardly extending side rail at its other end, said side rail having a bent portion extending at an angle inwardly and a wheel bearing extremity projecting therebeyond and lying at an obtuse angle to the forward portion of the side rail, an intermediate rail attached to the cross piece parallel to the side rail and of shorter length than the latter and provided with an inwardly bent extremity, and a rearwardly extending arched bracing member connecting rear portions of the two rails, of disc plows mounted on the angularly bent portions of the two rails, coulters on the parallel portions of the rails, disposed one ahead of the other, supporting wheels on the forward end of the frame and a ground wheel carrying the rear end of the side rail behind the disc thereon and rotating in a plane to resist the lateral thrust of the plow created by said discs.

2,457,152
ELECTRODEPOSITING COMPOSITION AND BATH
Raymond A. Hoffman, Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 7, 1943, Serial No. 493,755
23 Claims. (Cl. 204—54)

1. In a process for the electrodeposition of tin the step comprising effecting electrodeposition from an aqueous, tin-plating bath which contains a soluble tin compound, the process comprising effecting electrodeposition in the presence of 0.001 to 25 grams per liter of a bath soluble polyalkylene oxide of molecular weight over 400 as an addition agent.

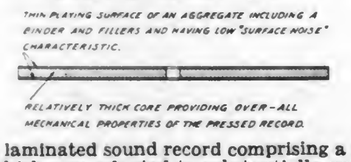
2,457,153
SEALED SWITCH
Harvey Hubbell, Long Hill, Conn.
Application February 3, 1945, Serial No. 575,958
14 Claims. (Cl. 200—168)

14. An electrical switch comprising as a unitary structure an insulating base, metal contacts mounted on the base one of which is movable toward and from the other, walls forming a sealed chamber enclosing said contacts sealed from the outer atmosphere and including a thin flexible insulating wall adjacent the movable contact capable of being moved to shift the contact, means mounting the contacts in the sealed chamber independently of the flexible wall, movable operating means mounted outside the chamber as



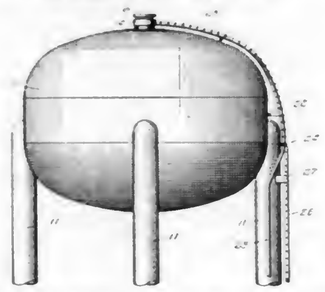
a part of said structure to shift the flexible wall and through it to shift the movable contact, and conductors connected with the contacts.

2,457,154
PHONOGRAPH RECORD
James H. Hunter, Bridgeport, Conn., assignor to Columbia Records Inc., a corporation of Delaware
Application July 26, 1941, Serial No. 404,204
5 Claims. (Cl. 154—43)



1. A laminated sound record comprising a relatively thick core adapted to substantially provide the over-all mechanical properties of the pressed record, and a thin playing surface of an aggregate including a binder and a first filler of comminuted diatomaceous earth having irregular particles varying in size from substantially less than a micron up to the order of four microns in largest dimension, and a second filler having substantially uniform size particles of the order of one-quarter micron permitting ready dispersion thereof both upon the surfaces of and between said diatomaceous earth particles, the ratio of binder to filler being of the order of one to three so that after pressing the particles of said fillers are homogeneously distributed in close relation substantially without intervals therebetween.

2,457,155
VENT, OVERFLOW, AND LADDER UNIT FOR STORAGE TANKS
Robert A. Jackson, Tulsa, Okla., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application June 5, 1946, Serial No. 674,615
15 Claims. (Cl. 137—21)



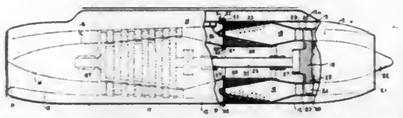
15. In a storage tank structure including a storage portion, an overflow and ladder unit comprising an overflow opening, a conduit attached thereto and extending down the outside of the tank, a ladder associated with said conduit, and rollers for maintaining the conduit and ladder in a position spaced from the tank, said conduit and ladder being movable as a unit by means of said rollers around at least a portion of the tank surface.

2,457,156
METHOD OF MANUFACTURING DIAMOND STUDDED TOOLS
John Paul Jones, Toronto, Ontario, Canada
Application January 12, 1946, Serial No. 640,939
3 Claims. (Cl. 51—309)



1. A method of manufacturing diamond studded tools consisting in preparing a mould with diamond placing cavities in its surface, positioning diamond particles in the cavities in said mould, packing powdered glass in said cavities around said diamonds, said diamond particles being arranged in the desired orientation in said cavities to provide the correct cutting angles desired in the completed tool and being temporarily held in position by said powdered glass packing, raising the temperature of said mould to bring said glass to a tacky state to bond said diamonds in oriented position in said cavities, then moulding metal to form the tool around the exposed portion of the diamond particles to form a direct bond between the tool metal and the diamonds, then finally breaking away the mould and the glass.

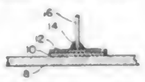
2,457,157
TURBINE APPARATUS
Alexander S. King, Jr., Prospect Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1946, Serial No. 687,193
3 Claims. (Cl. 263—19)



1. In combustion apparatus, wall structure defining a combustion chamber, said wall structure including an annular wall increasing in diameter from the upstream end of the combustion chamber towards the downstream end thereof and separating said combustion chamber from an overlapping air space, said annular wall having longitudinally-spaced groups of openings for admission of air from said overlapping air space to said combustion chamber, the groups communicating with the upstream portion of said chamber admitting primary air and the groups communicating with the downstream portion of said chamber admitting secondary air; partition structure separating said overlapping air space into passages each communicating with a different group of said air admission openings and comprising a plurality of cylinders of different diameters concentric about the annular wall with their downstream ends adjacent the latter intermediate the longitudinally-spaced groups of air

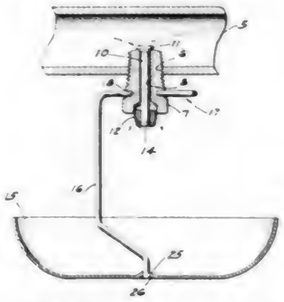
admission openings; and valve means for controlling admission of air to said passages, said valve means being adjustable to vary the ratio of primary and secondary air admitted through said passages.

2,457,158
VITREOUS BONDING COMPOSITIONS
Daniel O. Koch, Rahway, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 23, 1947, Serial No. 762,986
5 Claims. (Cl. 106—49)



1. A silver-glass flux bonding composition comprising finely divided silver particles taken from the group consisting of silver, silver oxide, and silver carbonate and glass flux particles mixed with a non-reactive liquid vehicle in a proportion by weight, of the metallic silver content of said silver particles to glass flux between 6:1 and 18:1, said glass flux containing between 40% and 75% PbO, between 1% and 10% B_2O_3, between 12% and 35% SiO_2, and between 1% and 8% TiO_2.

2,457,159
WATER DISPENSER FOR POULTRY
Reed S. Kofford, Van Nuys, Calif.
Application June 30, 1947, Serial No. 758,139
6 Claims. (Cl. 119—72.5)

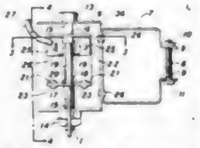


1. In a water dispenser for poultry, an overhead water supply means including a body attachable to the lower side of a horizontal supply pipe and having a vertical valve controlled water passage through it, said body having horizontally grooved opposite side portions, a drippage cup, and a wire support for said cup having a loop with side runs engageable with said grooves to support said cup vertically below said grooved body.

2,457,160
PHENOL-ALDEHYDE SEALING AGENT AND METHOD OF MAKING THE SAME
Stewart S. Kurtz, Jr., Merion, and James S. Sweely, Swarthmore, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application August 9, 1945, Serial No. 609,927
11 Claims. (Cl. 260—29.3)

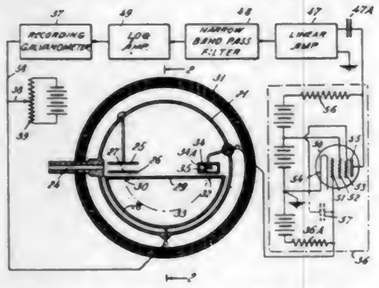
1. Method of preparing a sealing agent for sealing porous formations which comprises reacting phenol with formalin in the weight proportion of one part of phenol to 1–4 parts of formalin under catalyzed condensation conditions to form a thermosetting resin, conducting the reaction through a stage at which a resin phase precipitates and continuing the reaction until the resin has reached an intermediate plastic solid stage at which it is dispersible by stirring in water without the aid of an emulsifying agent to form a non-colloidal suspension stable for at least five hours, stopping the reaction when said intermediate plastic solid stage is reached whereby to obtain a partially condensed resin capable of further condensation to a hard infusible stage upon application of heat, and dispersing the resin in water to form, as the desired product, a non-colloidal aqueous suspension which, when forced into a bed of 10 mesh sand, will form a resin sheath at the face of the bed capable of thermosetting to a hard layer non-porous to drilling fluid.

2,457,161
TIRE DEFLATION SWITCH
William Clark Laidlaw, Pasadena, Calif.
Application August 7, 1945, Serial No. 609,368
3 Claims. (Cl. 200—58)



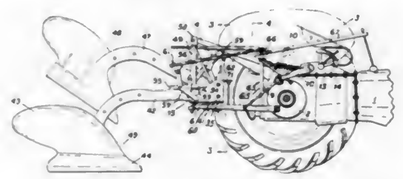
1. In a tire deflection indicator, the combination which comprises a U-shaped plate having two arms extending one above the other, an operating lever fulcrumed to the lower arm with its lower end adapted to contact the ground, and with its upper end adapted to swing between the upper and lower arms, a supporting bracket adapted for attachment to a vehicle and within which the plate is vertically movable, a height adjusting bolt passing through the supporting bracket and through both arms of the plate and threaded into at least one of the pieces through which it passes, and an electrical contact member mounted within the U-shaped plate for electrical contact with the upper end of the lever.

2,457,162
MASS SPECTROMETRY
Robert V. Langmuir, Schenectady, N. Y., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application April 20, 1943, Serial No. 483,745
10 Claims. (Cl. 250—41.9)



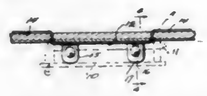
8. In mass spectrometry involving the production of ions and the separation of these ions by field forces which control their deflection into a plurality of ion beams having different mass-to-charge ratios, the improvement which comprises pulsating a field force which controls such deflection during the separation so that the beams are oscillated, and collecting ions of a resulting oscillating beam to produce an alternating current.

2,457,163
PLOW ATTACHMENT FOR TRACTORS
Warren S. Lansing, Loveland, Colo.
Application March 13, 1945, Serial No. 582,432
4 Claims. (Cl. 97—29)



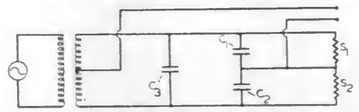
1. In a two plow construction for association with a tractor having a lifting and pulling mechanism including a link pivotally connected to the tractor, said plow structure comprising two beams each carrying a plow, a transverse member, means for pivotally connecting the forward ends of the plow beams to the transverse member, a draw bar secured to the transverse member and arranged to be connected to the lifting mechanism of the tractor, a post structure extending upwardly from the draw bar and adapted to have connected thereto the outer end of the link pivoted to the tractor to limit movement of the post away from the tractor as the draw bar and transverse member are lifted, means for preventing pivotal movement of each plow beam with respect to the transverse member, and means for disabling the last named means and holding at will each beam in a lifted position after the beam is lifted and the lifting mechanism is released.

2,457,164
CLIP FOR ATTACHING DECORATIONS AND MEDALS
Frederick G. Lutz, Moorestown, N. J., and Charles P. O'Rourke, Sharon Hill, Pa.
Application July 21, 1945, Serial No. 606,459
3 Claims. (Cl. 24—85)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



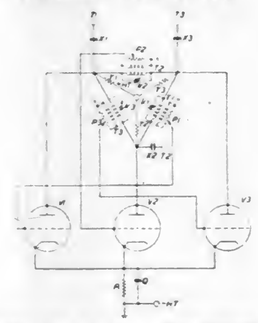
3. A display comprising a backing, a resilient clip mounted thereon and an ornamental bar having a pin fastener, said clip having two pairs of outwardly projecting spaced arms, each arm having a projection extending toward the opposed arm and said projection being spaced from the outer end of the arm a distance slightly less than the distance between the pin and the back of the bar, whereby the pin may be received between the pairs of arms below the projections while the back of the bar rests on the ends of the arms.

2,457,165
ELECTRICAL BRIDGE
Bernard F. McNamee, Altadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application May 20, 1944, Serial No. 536,623
5 Claims. (Cl. 323—75)



1. In an alternating current bridge having four impedance arms, a first pair of opposite bridge points across which an alternating voltage is impressed and a conjugate pair of opposite bridge points across which an output voltage is taken, a branch comprising a potentiometer having an adjustable tap, said potentiometer being connected between the first pair of points, a connection from the adjustable tap on said potentiometer to one of said output terminals, a pair of condensers, one on each side of and in series with said potentiometer, another branch comprising a potentiometer having an adjustable tap, said last-mentioned potentiometer being connected across the first pair of terminals, and a connection from the tap of the last mentioned potentiometer to the other of said output terminals and to one of the conjugate pair of bridge points.

2,457,166
POLYPHASE OSCILLATION GENERATOR
Eric Malcolm Swift McWhirter and Roland Harris Dunn, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 27, 1945, Serial No. 631,154
In Great Britain May 29, 1942
7 Claims. (Cl. 250—36)



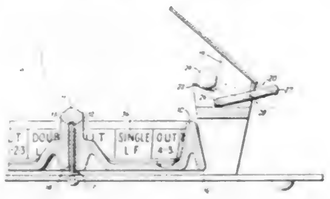
1. A multi-phase high-frequency oscillator comprising an odd plurality of similar thermionic valve amplifying stages each having a control grid and an output plate, the same number of similar transformers each having primary and secondary windings, means to connect the primary windings of said transformers in series in a closed ring, means to connect the plates respectively to separate junctions of said primary windings, and means to connect the control grid of each stage to the secondary winding of the transformer whose primary winding connects the plates of another two stages, so that the total output current of the said stage is in phase opposition to the vector sum of the plate voltages on said plates and proportional in magnitude thereto.

2,457,167
BASEBALL GAME
Maximilian C. Meyer, Brooklyn, N. Y.
Application April 7, 1945, Serial No. 587,071
6 Claims. (Cl. 273—93)



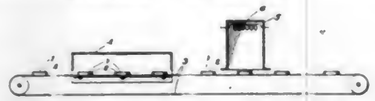
1. A baseball game comprising a rotatable wheel element containing a plurality of separate compartments adapted to receive a ball, a stand positioned adjacent to said wheel, said stand having a pitching side and a batting side the pitching side facing said wheel, a plurality of openings located in said pitching side adapted to receive a ball, a plurality of impelling means corresponding to the number of said openings, each adapted to impel a ball when located in its opening into the air with the proper force and direction so as to land said ball within said rotatable wheel element, each of said means for impelling the ball having a ball striking means at one side adapted to be directed into its ball-receiving opening, an actuating means at an opposite side extending outwardly from the batting side of the stand and a pivotal connection with said stand intermediate said ball striking means and said actuating means, and means for concealing said openings in said pitching side of said stand from said batting side.

2,457,168
BASEBALL GAME
Maximilian C. Meyer, Brooklyn, N. Y.
Application April 19, 1946, Serial No. 663,523
4 Claims. (Cl. 273—93)



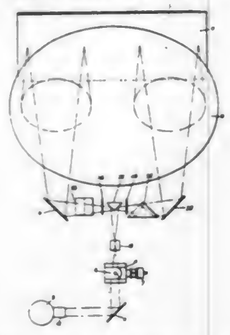
1. A baseball game comprising a rotatable wheel element containing a plurality of separate compartments adapted to receive a ball, a stand positioned adjacent to said wheel, said stand having a pitching side and a batting side, the pitching side facing said wheel, a plurality of openings located in said pitching side adapted to receive said ball, a separate means for each of said openings for impelling said ball located in said opening into the air with the proper force and direction so as to land said ball within said rotatable wheel element, said means for impelling said ball comprising a pivotally mounted lever arm one end of which extends into said opening and the other end of which extends beyond the batter's side of the stand to form an actuating element, means for concealing said openings in said pitching side of said stand from said batting side, said means for impelling said ball comprising a means for adjusting the distance the end of the lever arm extends into the opening.

2,457,169
METHOD OF MANUFACTURING OF RECTIFIER ELEMENTS
Arthur J. Miller, Oak Ridge, Tenn., and Julius W. Fleisher, New York, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 12, 1945, Serial No. 582,278
5 Claims. (Cl. 175—366)



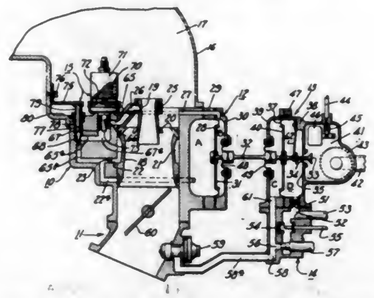
1. The method of manufacturing a selenium rectifier element which comprises applying a first heat treatment of selenium to about 120° C. under pressure, then after cooling off the selenium layer applying a second heat treatment without pressure at a higher temperature than that applied in the first heat treatment yet below the melting point of the selenium, and after cooling the selenium to about room temperature applying a momentary third heat treatment at a temperature ranging from 300 to 450° C.

2,457,170
OPTICAL PROJECTION APPARATUS
Kenneth Mitchell, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 8, 1944, Serial No. 539,285
In Great Britain June 11, 1943
2 Claims. (Cl. 88—24)



1. Optical projection apparatus, including a single screen, means for producing on said screen two identical silhouette images constituting the same profile of an object, means for causing said images to be projected on the screen and inverted with respect to one another in two directions at right angles to one another and means operating without change in the initial setting of said projecting and inverting means for moving said images in said two directions to obtain a better comparison thereof, the foregoing apparatus including a source of light, a lens system for forming by said light an image of an object to be examined, a prism having external mirrored surfaces and located in the beam from said lens system so as to divide said beam into two beams, an internally reflecting prism located in each of said two beams, one of said last-mentioned prisms reversing the image vertically and the other reversing the image horizontally, fixed mirrors directing the respective image-reversed beams upon said screen, and means for moving said object alternately in each of two directions at right angles in a plane normal to the axis of the beam from said lens system, whereby relative movement of the two images in corresponding directions on said screen is provided.

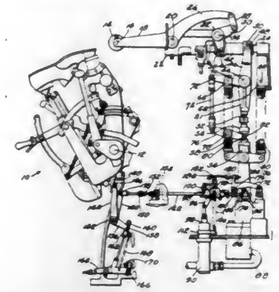
2,457,171
CHARGE FORMING DEVICE
Frank C. Mock, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 22, 1944, Serial No. 532,261
5 Claims. (Cl. 261—39)



1. In a device for supplying a fuel-air mixture to an engine, an air-intake conduit having Venturi means therein, a fuel-air regulator including a fuel valve and a movable valve-actuating member operatively connected thereto, air differential pressure chambers on opposite sides of said member, a passage arranged to communicate conduit pressure to one of said chambers and another passage arranged to communicate Venturi suction to the other of said chambers, flow orifices arranged in series in one of said passages, a pair of valves coacting with said orifices for regulating the differential pressure across said member, flow restricting means coacting with said orifices and becoming increasingly effective as said orifices are progressively reduced in effective flow capacity, a pressure-responsive element operatively connected to one of said latter valves and a temperature-responsive element operatively connected to the other, said elements and valves controlled thereby being independently operable but coacting with one another to regulate the differential in relation to changes in density of the ambient air irrespective of whether such changes are in the pressure component, the temperature component or both components.

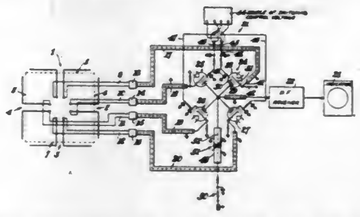
2,457,172
LEVELING MACHINE
Fred L. Mooney, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 16, 1947, Serial No. 761,181
5 Claims. (Cl. 12—34)

1. In a leveling machine, a shoe support, a leveling tool, means mounting said support for movement in directions lengthwise of a shoe thereon to cause the leveling tool to operate progressively along the shoe bottom, spring means for pressing the leveling tool upon the bottom of the shoe, mechanism for lifting said tool against the action of said spring means, latch means rendering said mechanism ineffective with the shoe support in its forwardmost position in which a shoe carried thereon is located forwardly of the leveling tool, means operative upon release of said latch means for rendering said mechanism immediately effective, and means operative in response to the initial



rearward movement of said shoe support for releasing said latch means.

2,457,173
ELECTRONIC SWITCHING SYSTEM
John H. Newitt, Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 23, 1945, Serial No. 579,451
4 Claims. (Cl. 343—121)

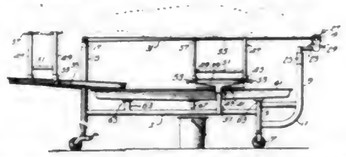


1. An electronic switch system for switching current from an ultra high radio frequency source to a load comprising an electron discharge device having an envelope, an anode, a cathode, leads for the cathode and anode, a grid, and a low impedance grid lead providing an external terminal for the grid and connected inside the envelope thereto, said grid lead and grid serving as an electrostatic shield between the anode and its lead and the cathode and its lead, means forming a substantially non-inductive capacity coupling said grid lead to ground and of such a value as to maintain said grid at ground potential for the radio frequency current to isolate said anode and said cathode, an impedance means coupling said cathode to ground, means for coupling said source across said impedance means, a source of switching control voltages, means impressing said switching control voltages on said grid, and means coupling the anode to said load.

2,457,174
BURN BATH TABLE
Neal Owens, New Orleans, La., and Raymond L. Jewell, Erie, Pa., assignors to American Sterilizer Company, Erie, Pa.
Application October 11, 1944, Serial No. 558,160
7 Claims. (Cl. 311—7)

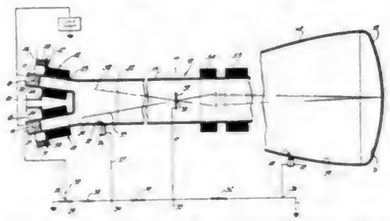
1. A surgical table of the character described having a floor supported frame, vertical risers secured to the ends of the frame and a horizontal body supporting strip secured to the vertical risers, auxiliary arm and leg supporting means mounted on the frame, a liquid trough positioned on the

frame below the body supporting strip, and elongated basins carried by the arm and leg sup-



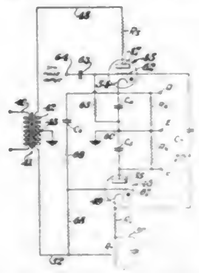
porting means arranged to discharge into the said trough.

2,457,175
PROJECTION CATHODE-RAY TUBE
Louis W. Parker, Little Neck, N. Y., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application December 19, 1946, Serial No. 717,224
4 Claims. (Cl. 250—150)



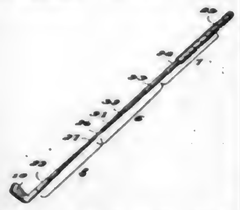
1. A cathode-ray tube comprising an envelope having a fluorescent screen, a plurality of electron guns for developing respective electron beams, an electron baffle electrode having a central opening symmetrically disposed with respect to said beams, and having a focus-indicator surface facing said guns which is coated with fluorescent material to fluoresce when said beams impinge thereon, means to focus said beams at said opening to form a virtual composite cathode thereat, and an electron lens for forming on said screen an image of said composite virtual cathode.

2,457,176
WAVE GENERATING SYSTEM
Albert Preisman, Flushing, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application January 23, 1943, Serial No. 473,312
4 Claims. (Cl. 315—229)



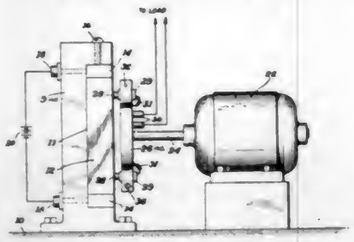
1. A system for producing saw-tooth voltage balanced to ground comprising a first gas discharge tube, a second gas discharge tube, a pair of condensers connected in series between the tubes, the connection common to the two condensers being connected to ground, means to apply a source of power across said tubes and condensers in series, means to cause said tubes to fire substantially simultaneously to thereby charge said condensers, the firing of said tubes being extinguished when a predetermined potential build-up is reached on said condensers, and means to control the discharge of said condensers.

2,457,177
GOLF CLUB
Milton B. Reach, Springfield, Mass.
Application October 17, 1944, Serial No. 559,027
5 Claims. (Cl. 273—80)



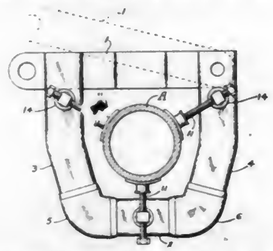
1. A tubular steel golf club shaft having an elongated cylindrical waist zone of uniform wall thickness, and of minimum diameter and maximum flexibility relative to the balance of the shaft, the shaft progressively increasing in diameter from one end of said zone to its head-end be a series of cylindrical sections, that of largest diameter being of a size enabling it, in a club assembly, to telescope over the hosel of a club head, and the shaft further including a portion forming a continuation of the opposite end of the waist zone including a plurality of cylindrical sections of progressively increasing diameters, the end section being of a size and length to constitute a foundation for a grip element.

2,457,178
RESISTANCE SINE WAVE GENERATOR
Avery G. Richardson, Boonton, N. J., and Trevor H. Clark, New York, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 6, 1943, Serial No. 513,198
3 Claims. (Cl. 175—364)



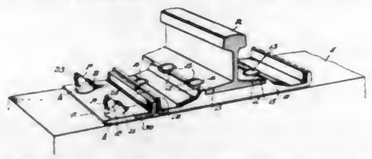
1. In combination with a load consuming a substantial amount of current, a converter for supplying true sine wave alternating current energy from a direct current source to said load, which comprises a flat resistance unit and output brushes movably engaging the face of said unit over a cyclic path, said unit consisting of a block of resistance material of uniform thickness and composition terminating at each of two opposite edges in a strip of highly conductive material, the junction line between the resistance block and each conductive strip and said cyclic path being so relatively shaped as to provide a true sine wave output potential at said brushes when direct current is supplied to the conductive strips and alternating current flows to the load.

2,457,179
CORELESS INDUCTION HEATER AND METHOD OF MAKING SAME
Bela Ronay, Annapolis, Md.
Application September 18, 1945, Serial No. 617,156
6 Claims. (Cl. 219—47)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



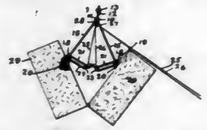
1. A coreless induction heater coil having U-shaped units secured together in mutually insulated relation with means extending between them to form the coil, each of said units consisting of a straight and two bent or offset tube sections connected by two elbows, said assembled unit being in a flattened condition and in substantially U-shape, the flattened tubing being of a thickness substantially three times its wall thickness, and said elbows being in a proportionately flattened condition and greater than 90 degrees, the degree of bend of the said bent sections of said flattened unit being about 15 degrees and such as to substantially compensate for the greater than 90 degree elbows, end portions of said bent sections being substantially parallel to each other in said U-shaped unit.

2,457,180
RAIL TRACK FASTENING
Herschel Lee Rushing, Nashville, Tenn.
Application March 24, 1945, Serial No. 584,636
6 Claims. (Cl. 238—304)



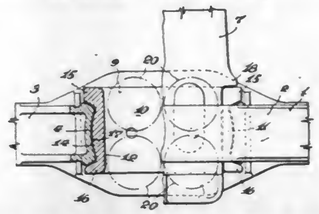
1. A buck-plate securable to a rail-tie beyond and in abutting engagement with an end portion of a standard metal track-rail supporting plate so that the latter may have a relative vertical movement with respect to said buck-plate, said buck-plate having a substantially flat tie engaging bottom surface and having spike holes extending through from its top and bottom surfaces in a direction oblique to the plane of said buck-plate and with their upper ends at an acute angle to the direction of the thrust applied to the buck-plate from said rail supporting plate, said holes each having its axis lying in a plane substantially transverse to the track-rail to be supported by said track supporting plate, bosses on the upper surface of said buck-plate forming and defining elongated continuations of said holes, respectively and having top surfaces at right angles to the axes of said holes, headed screw spikes to be extended through said holes and guided and positioned by the holes into said tie at said oblique angle corresponding to the axis of said holes and with their heads bearing against the top surface of said bosses, whereby thrust exerted by said track-rail supporting plate to said buck-plate will be transmitted to said spikes and exerted thereon in a direction longitudinally of the spikes, and recesses in the bottom surface of said buck-plate and one of such recesses surrounding each of said holes therein to accommodate bulges produced on the adjacent surface of the tie by said spikes driven into said tie.

2,457,181
DEVICE FOR HOISTING BALES
John W. Rutledge, Early, Iowa
Application January 14, 1946, Serial No. 641,060
2 Claims. (Cl. 294—107)



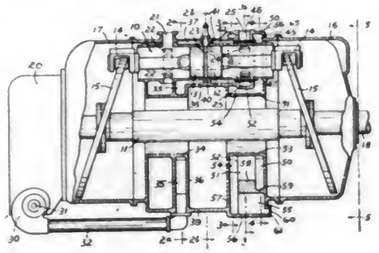
1. A device for hoisting bales comprising a central bar, a pair of further bars spaced from said central bar, means for pivoting said further bars from said central bar, means for engaging bales attached to said further bars, including hooks attached to the bars, means for rotating said bars to an engaging or disengaging position, including arms attached to said further bars, cables attached to said arms, said arms being rigidly attached to said further bars, said hooks being rigidly attached to said further bars, foldable arms attached between said central bar and said further bars, said arms including journals at either end thereof whereby all of said bars are rotatably mounted.

2,457,182
RAILWAY CAR TRUCK
Eugene B. Schrock, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application November 9, 1944, Serial No. 562,641
15 Claims. (Cl. 105—178)



9. In a truck, a bolster, a reversible adapter saddle, means interlocking the bolster with the saddle at a fixed point longitudinally of the bolster, a side frame receiving said saddle, and mutually cooperating abutment means on the side frame and saddle determining the position of the saddle transversely of the frame and displaced from the interlocking means longitudinally of the bolster whereby upon reversing the position of the saddle in the frame, the position of the frame longitudinally of the bolster is varied.

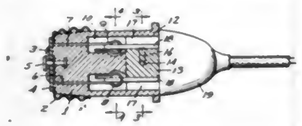
2,457,183
COOLING JACKET AND CYLINDER CONSTRUCTION
Thomas L. Sherman, Springfield, Ohio, assignor to The Steel Products Engineering Co., Springfield, Ohio, a corporation of Ohio
Application March 22, 1946, Serial No. 656,293
8 Claims. (Cl. 123—173)



4. In a crankless mechanism of the character described and including a plurality of cylinders circumferentially disposed in parallel relation about a central shaft, each having a substantially centrally located combustion chamber and an annular exhaust chamber positioned between said combustion chamber and one outer end thereof, and a pair of opposed pistons mounted in each cylinder for reciprocation in opposite directions parallel to said shaft, a cooling system comprising, in combination, means providing an annular supply chamber for coolant surrounding said shaft and disposed axially at the opposite side of said combustion chambers of said cylinders from said exhaust chamber, means providing a second annular chamber coaxial with said annular supply chamber and positioned between said exhaust chambers and the adjacent outer ends of said cylinders, means providing an annular passage for coolant surrounding each of said cylinders and connecting with both said annular supply chamber and said outer annular chamber, a locating member positioned within each said annular passage substantially overlying the combustion chamber of the adjacent cylinder and having outer dimensions substantially equal to the inner dimensions of said passage, means providing a plurality of grooves across said locating member parallel to the axis of said cylinder, said grooves providing for restricted travel of said coolant through said annular passage and in contact with the outer wall of said combustion chamber, and means providing a plurality of outlet passages for said coolant from said outer annular chamber and directing said coolant into contact with the outer walls of said exhaust chambers.

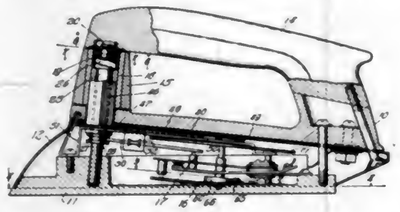
2,457,184
ROTARY LOCKING SCREW PLUG
William J. Sherman, Sr., New Albany, Ind.
Application August 19, 1946. Serial No. 691,419
2 Claims. (Cl. 173—343)

1. In an electrical connector, the combination with a pair of stationary conductor blades forming spaced terminals, of a rotatable head adjoining said terminals a transverse bore in said head, diametrically opposed arcuate shaped grooves in said connector, spring-pressed detents in said bore co-acting with the grooves in the connector for limiting movement of the head, a detachable plug having spaced conductor prongs mounted in and projecting through the head for electrical connection with the blades, and co-



acting means on the prongs and blades for locking said members together.

2,457,185
HEAT REGULATING IRON
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application May 15, 1944, Serial No. 535,645
11 Claims. (Cl. 38—74)

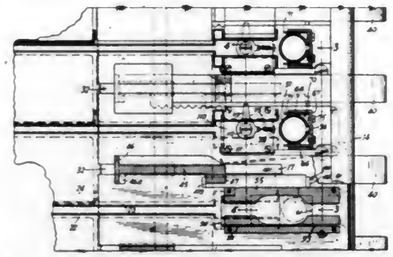


6. In an electric iron including a heating means and having a handle and a body portion including a handle support below the handle, a thermostatically operated switch in the body, means for adjusting the thermostatically operated switch to predetermined settings corresponding to predetermined operating conditions of the iron, means convenient to the front of the handle for operating the adjusting means, and setting-indicating means remote from the adjusting means and located within the body of the iron at a point convenient to the eye of the user while manipulating the iron, with the setting-indicating means being visible through an opening in the body of the iron, said setting-indicating means being synchronously operatively connected to the adjusting means and being operable by the operating means, and said setting-indicating means being visible through the handle support.

2,457,186
METHOD OF ELECTROFORMING RECTIFIER ELEMENTS
Murray J. Stateman, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 9, 1945, Serial No. 587,422
5 Claims. (Cl. 175—366)

1. In the manufacture of selenium rectifier elements, the steps that comprise selecting elements comprising a base plate carrying a selenium layer and a counterelectrode and electroforming said elements at a voltage up to about 25 volts for about one-half hour, interrupting the electroforming and moistening the elements, and thereafter electroforming these elements while still moist for a period of about five minutes using a progressively increasing voltage until a level of about 30 volts is reached.

2,457,187
DISPENSING DEVICE
Louis Steiner, Rockaway Park, N. Y., assignor to Mills Industries, Incorporated, a corporation of Illinois
Application May 16, 1946, Serial No. 670,135
9 Claims. (Cl. 312—67)



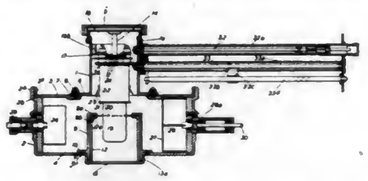
9. In a vending machine, a casing having a front wall, a vertical article holding chamber within the casing and spaced from said wall, a vertical auxiliary article holding chamber disposed between said first chamber and said wall, said second chamber being aligned with said first chamber, a coin tube disposed between said auxiliary chamber and said front wall, said coin tube being offset with respect to said auxiliary chamber, means to dispense articles from said chambers and means controlled by said last mentioned means for dispensing coins from the coin tube.

2,457,188
BENZOCAINE SOLUTION
Raymond Stone, Chicago, Ill., assignor to Americaine, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application May 24, 1945, Serial No. 595,653
9 Claims. (Cl. 167—52)

1. An epithelial anesthetic solution comprising at least 10% by weight of benzocaine base dissolved in a solvent predominantly comprising a solvent having a boiling point not substantially less than 250° C. and selected from the group consisting of aliphatic polyoxyalkylene glycols and aliphatic ethers of dihydric alcohols, the ratio of the total number of aliphatic ether groups per molecule to the molecular weight of the compound being not less than 0.0033; aromatic ethers of aliphatic dihydric alcohols, carboxylic acid esters of aliphatic dihydric alcohols, and carboxylic acid esters of aromatic and aliphatic ethers of aliphatic dihydric alcohols, the ratio of the total number of ether groups and ester groups per molecule to the molecular weight of the compound being not less than 0.0055.

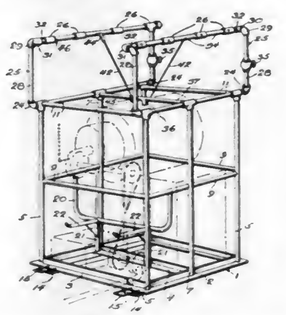
2,457,189
ULTRA HIGH FREQUENCY OSCILLATION GENERATOR
Frank Howard Taylor, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 13, 1944, Serial No. 526,213
In Great Britain March 23, 1943
19 Claims. (Cl. 315—39)

1. A device for use at ultra high frequencies comprising a first cavity resonator having one pair of opposite sides provided with aligned apertures, a second cavity resonator having one side provided with an aperture, means mounting said second resonator on the outside of said first resonator with the aperture of the second resonator adjacent one aperture of the first resonator and in alignment with the apertures of said first resonator, an electron discharge tube of the disc seal type, means in said second resonator holding said electron discharge tube, means connected



to the second resonator adjacent the aperture therein making electrical connection to a grid disc terminal of the disc seal type electron discharge tube positioned in said holding means, and means connected to said first resonator adjacent the other aperture thereof making electrical connection to the anode disc terminal of the discharge tube.

2,457,190
PORTABLE SHOWER UNIT
Le Roy L. Werner, Washington, D. C.
Application October 22, 1945, Serial No. 623,839
8 Claims. (Cl. 4—156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

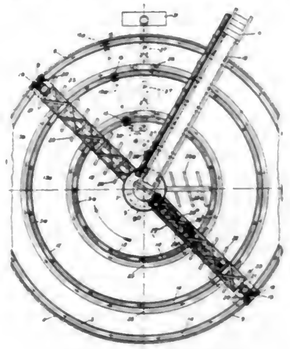


1. A portable shower unit comprising a supporting frame and a nozzle-carrying frame section forming the top of said unit, said section being movable into position for delivering bathwater to points outside said supporting frame.

2,457,191
SEDIMENTATION APPARATUS
Paul L. Wigton, Denver, Colo.
Application October 26, 1943, Serial No. 507,695
20 Claims. (Cl. 210—55)

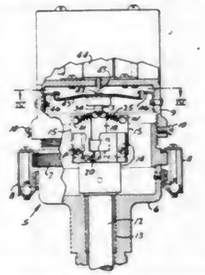
1. In sedimentation apparatus, a tank, at least one partition dividing said tank into a plurality of concentric treatment compartments located within common horizontal planes, means for overflowing clarified liquid separately from each compartment, a rotary truss member mounted for movement around the plurality of compartments, means for rotating the truss member, scrapers carried by said truss member and extending into each said compartment to move settled solids to a point of discharge therein, and

means distant from the clarified liquid overflow for delivering material to the plu-



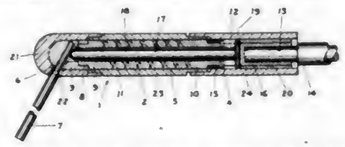
rality of compartments independently of each other.

2,457,192
GOVERNOR WITH SWITCH CONTROL
William J. Williams, Wilmette, Ill.
Application April 7, 1945, Serial No. 587,081
9 Claims. (Cl. 200—80)



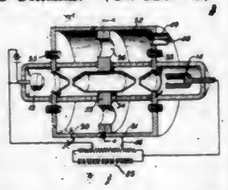
1. The combination of a governor housing; a driving shaft carried by said housing; centrifugally operated fly weights surrounding said shaft and rotated thereby; a sliding plunger operated by said weights; a switch operating lever; a plurality of switch actuating elements; means to move said switch lever from said plunger; arranged whereby said lever is first moved to operate one of said switch elements and upon continued pressure of said sliding plunger subsequently operates the other of said switch elements when the speed of the governor shaft increases.

2,457,193
ELECTRODE HOLDER
Arthur R. Wynn, Long Beach, Calif.
Application August 29, 1945, Serial No. 613,407
14 Claims. (Cl. 219—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



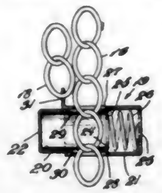
14. An electrode holder comprising a solenoid, a tip connected to one end of said solenoid, an electrical contact member formed integral with the other end of said solenoid and adapted to receive an electrical lead wire, a transverse opening in said tip adapted to receive an electrode, a core disposed axially within said solenoid having a diameter almost as large as the inside diameter of said solenoid, a sheath of insulating material between said core and said solenoid, and a spring biasing said core toward said tip.

2,457,194
MICROWAVE OSCILLATOR
Alva Eugene Anderson, Spring Lake, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 23, 1943, Serial No. 491,961
5 Claims. (Cl. 315—6)



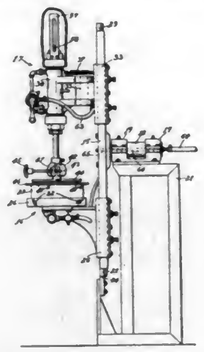
1. An oscillator comprising an electron beam apparatus including a source of an electron beam, a cavity resonator having a gap adjacent the path of the beam to vary the electron velocities in the beam, a second cavity resonator having a gap adjacent the path of the beam at a point of density variation therein to receive energy from the beam, said resonators having their gravest mode of operation at substantially the same frequency and means coupling the second resonator to the first for feeding back energy thereto, said coupling means having a transmission frequency range which is limited to frequencies considerably above the frequency of the gravest mode whereby oscillations of a higher mode are produced and oscillations of the gravest mode are inhibited.

2,457,195
EXTENSION KEY CHAIN
Joseph Carlton Bagnall, Jr., Attleboro, Mass., assignor to Swank, Inc., a corporation of Delaware
Application March 10, 1947, Serial No. 733,488
4 Claims. (Cl. 24—3)



1. A device of the type described comprising an article holding element, a flexible member having one end secured to said element, another portion extending back upon itself to provide a loop, a unit comprising two tubular parts in axial telescoping relation, each having a lateral opening therethrough, through which said member extends, means to relatively move said parts to cause them to bind on said member passing through said openings, and the end of said flexible member being attached to said unit at a point spaced from the bind of said parts.

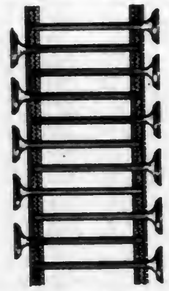
2,457,196
CORE MAKING MACHINE
Royal D. Baysinger, Rockford, and Lyle W. Fulton, South Beloit, Ill., assignors to George D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application April 21, 1944, Serial No. 532,122
5 Claims. (Cl. 22—10)



4. In a machine of the character described, in combination, a beam structure pivotally mounted intermediate its ends to turn about a horizontal axis, a base mounted on one end portion of the beam structure, a core-box holder for positively securing the core-box to the base, a head assembly mounted on the opposite end portion of the beam structure and including a cylinder and a piston plunger operable in the cylinder and equipped with a head adapted to engage a core-plate and clamp it against the core-box by the operation of fluid pressure in the cylinder against the piston plunger, the beam structure being rotatively movable about its support to locate the base either at a lower position at which the core-box is to be filled and clamped or to an upper position at which the core-box is inverted and the cylinder is underneath in a position for drawing the core downwardly, and a valve device for controlling the supply of fluid pressure to either end of said cylinder and for controlling the exhaust of said pressure from the cylinder, said fluid pressure operating the plunger in one direction in a core-plate clamping stroke, the valve device having an exhaust opening arranged for fast exhaust of the fluid pressure during said clamping stroke and having a separate exhaust opening arranged for slow exhaust of the fluid pressure during said core drawing stroke.

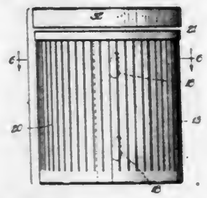
2,457,197
PACKAGING ARTICLES
Melbourne A. Beckmann, Cincinnati, Ohio, assignor to Aluminum Industries, Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application May 18, 1945, Serial No. 594,541
6 Claims. (Cl. 211—60)

1. A dispensing holder for articles consisting of stem portions with enlarged annular laterally extending flanged portions, comprising two relatively stiff opposed end wall supports each being provided with alternately arranged slotted and grooved portions spaced slightly more than the radii of the annularly flanged portions of the articles adapted to be received in the holder, said slotted and grooved portions extending down from the tops of said end wall supports to a distance from the bottom of the walls slightly more than said radii and the slots and grooves of one wall support spaced to register with the grooves



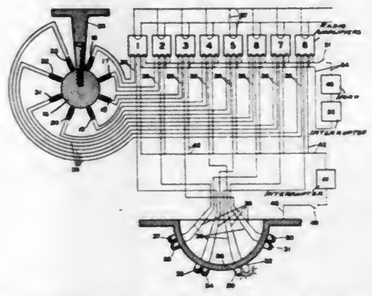
and slots, respectively, of the opposed end wall support.

2,457,198
CONTAINER AND BLANK THEREFOR
John G. Bell, Chicago, Ill., assignor to Morbell Products Corporation, a corporation of Delaware
Application October 22, 1945, Serial No. 623,738
8 Claims. (Cl. 229—4.5)



7. A container having a top and bottom and lateral walls, the lateral walls comprising a continuous strip of material wrapped upon itself and of such length as to provide a wall of double thickness, the upper edges of the two layers being rolled outwardly and downwardly to form a stiffening ring about the top of the container, the inner layer being wider than the outer layer, with its upper edge extending around and below the adjacent edge of the outer layer in said stiffening ring, and a metallic stiffening ring slipped between the outer wall of the container and the downturned portion of its upper edge.

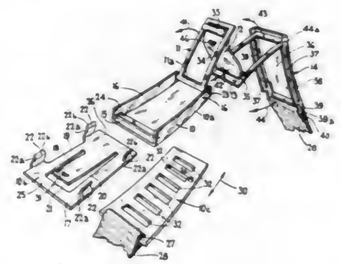
2,457,199
PROXIMITY AND DIRECTION INDICATOR
Frank Ellison Best, Indianapolis, Ind.
Application January 9, 1942, Serial No. 426,190
3 Claims. (Cl. 343—101)



1. In a proximity and direction indicator, rotatable electric circuit interrupter means, com-

prising two relatively fixed circular rows of alternate conductor and insulator members, each conductor of each row being paired with an insulator of equal width of the other row, two contactors positioned for simultaneous engagement with the conductor and insulator member of each pair and for successive engagement with said pairs of conductor and insulator members as the circuit interrupter is rotated, a transmitter circuit connected with one of said contactors, a receiving circuit connected with the other of said contactors and signal devices and a direction distinguishing means connected with said receiving circuit.

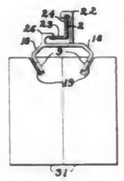
2,457,200
FOLDABLE BRACELET CATCH
Jonas Bikoff, Brooklyn, N. Y.
Application February 26, 1947, Serial No. 730,980
2 Claims. (Cl. 24—71)



2. In a bracket catch, having pivoted link members adapted to be folded one over the other when the catch is in a closed contracted position, or to be strung out into a chain-like arrangement when the device is expanded, the combination, of a spring plate secured inside of one end member, spaced apart therefrom, an inwardly and outwardly slidable grid plate between said spring plate and said end member, one end of the bracelet chain being secured to said grid plate whereby the length of the chain may be adjusted by the movements of said grid plate, a spring tongue struck out of said spring plate and curved away from said grid plate, an indentation on said spring tongue, means on one of the intermediate folding members, adapted to bend said spring tongue towards said grid plate when the catch is closed, the indentation on said tongue then engaging the slots in said grid plate, said indentation permitting an inward movement of said grid plate but locking the same against an outward one, by engaging a respective slot therein.

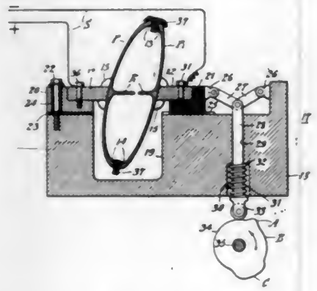
2,457,201
FURNACE ARCH AND WALL STRUCTURE
William H. Boyd, Drexel Hill, Pa., assignor to General Refractories Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 13, 1943, Serial No. 498,564
7 Claims. (Cl. 110—99)

1. The combination of a supporting framework, angle bars carried thereby and comprising angularly related flanges having free edge portions, and brick-supporting hangers comprising a body portion adapted to lie relatively closely parallel with one of said flanges, and spaced substantially parallel arms of unequal length having hooked



ends that surround the angularly directed free edge portions of said flanges.

2,457,202
METHOD OF MAKING INTERNALLY REINFORCED HOLLOW PROPELLER BLADES
George W. Brady, Upper Montclair, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application September 7, 1944, Serial No. 553,094
1 Claim. (Cl. 29—156.8)



The method of producing an internally reinforced hollow metal propeller blade from two preformed arched plates each of which is provided on its concave face with a substantially central integral longitudinally extending rib portion of substantial length and of a height to bring its edge beyond a transverse line joining the rib edges which consists in so mounting said plates, one each, with their concave faces disposed toward one another, on the opposed relatively movable portions of a press so as to align the edges thereof and the edges of said rib portions respectively; in placing between said opposed plate edges a strip of insulating material to prevent contact between said edges as said press portions are moved toward one another; in so moving said press portions toward one another as to bring the edges of said rib portions into contact with one another notwithstanding the fact that the plate edges are held apart by said insulating strip; in passing an electric welding current through the contacting rib portions so as to produce a flash welded elastic joint therebetween; in further pressing said rib portions together to produce a rib height of such magnitude that said plate edges would be in substantial contact with one another were they not held apart by said strips of insulating material; in thereafter, and only after the rib portions are welded together, removing said insulating strip so as to admit of said plate edges, due to the inherent resiliency of the metal of said plates, springing into contact with one another; and in thereafter uniting the contacting edges of said plates.

2,457,203
METHOD OF MAKING SCENTING ESSENTIAL OILS FROM PLANTS
Arno Brasch, Brooklyn, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation, a corporation of Delaware
No Drawing. Application July 17, 1947, Serial No. 761,744
13 Claims. (Cl. 47—1.3)

13. Method of making scenting essential oils comprising the steps of bombarding cut plants when they are adapted to form scenting essential oils at a low temperature with high speed electrons having a velocity equivalent to more than one million volts; storing said thus irradiated cut plants under substantially sterile conditions at a low temperature for a period of time sufficient for said irradiated cut plants to continue to form scenting essential oils without substantially wilting; and extracting the thus formed scenting essential oils from said thus stored irradiated cut plants.

2,457,204
SYNTHESIS OF ESTERS
Richard E. Brooks, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 17, 1946, Serial No. 670,527
5 Claims. (Cl. 260—483)

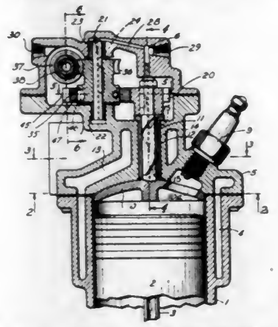
1. A process for the synthesis of esters which comprises introducing into a pressure-resistant vessel a reaction mixture consisting essentially of methanol, carbon monoxide and a catalyst of the class consisting of metallic cobalt, cobalt oxide, cobalt carbonyl, and cobalt carbonyl hydride, heating the said reaction mixture at a temperature of about 100° to 325° C. under a pressure of about 200 to 1500 atmospheres, and thereafter separating the resulting ester from the resulting reaction product.

2,457,205
CONTAINER SUITABLE FOR DROPPING FROM AIRCRAFT AND THE LIKE
Edward Ralph Campbell, Ivanhoe, Kenneth Moreton Frewin, Elsternwick, Frank Wentworth Lennox, Toorak, and Rowland Price Morris, North Brighton, Victoria, Australia, assignors to Air Supply Packs Proprietary Limited, Melbourne, Victoria, Australia
Application June 14, 1944, Serial No. 540,328
In Australia June 21, 1943
13 Claims. (Cl. 244—138)



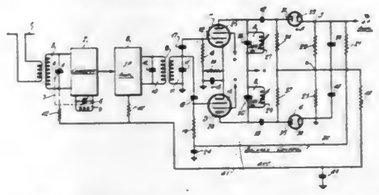
1. A container having a storage compartment and comprising a plurality of coaxially arranged interfitting tubular units one of said units being a percussion member located at one end of the container a circumferential series of loops of flexible material projecting externally from spaced units of the container, and longitudinally extending flexible tie means arranged externally of the container and connected to said spaced series of projecting loops whereby the said units are detachably secured together.

2,457,206
ROTARY VALVE FOR INTERNAL-COMBUSTION ENGINES
Bert G. Carlson, Cleveland, Ohio
Application March 16, 1945, Serial No. 583,146
3 Claims. (Cl. 123—80)



1. In an internal combustion engine having a cylinder and a piston, the combination of a head having one inlet port and one exhaust port, a rotary valve in said cylinder having a passage therethrough registrable with said ports successively and one at a time, and means operatively associated with said valve for rotating it at a constant speed through one complete revolution and moving said passage successively past said exhaust and inlet ports during the exhaust and intake cycles of the engine and then causing the valve to dwell during the compression and firing cycles of the engine.

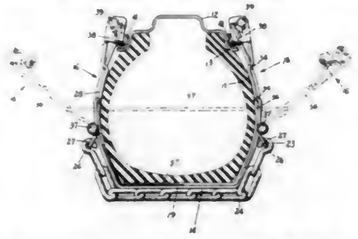
2,457,207
ANGLE MODULATED CARRIER RECEIVER
Wendell L. Carlson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 3, 1944, Serial No. 533,917
28 Claims. (Cl. 250—27)



1. A frequency discriminator-rectifier circuit comprising a signal transmission channel including a pair of opposed rectifiers each having an output load impedance, said rectifiers providing an output potential which is the difference between the potentials created across their respective load impedances, resonant circuit means coupled to said rectifiers to provide different respective amplitude-frequency response characteristics with different peak frequencies, said

resonant circuit means having frequency response curves which cross each other substantially at said input circuit frequency, means for applying frequency modulated wave energy to said resonant circuit means, and amplifier means provided in said signal transmission channel for automatically locking the cross-over point of the frequency response curves of the discriminator network substantially in step with the mean frequency of the applied frequency modulated wave energy.

2,457,208
TRACTION DEVICE FOR VEHICLE WHEELS
Glen F. Carpenter, Des Moines, Iowa
Application December 4, 1947, Serial No. 789,703
5 Claims. (Cl. 152—223)



2. A traction device for a vehicle wheel having a tire and a rim comprising, a flexible band member positioned about said tire with the ends thereof arranged at opposite sides of said rim, a traction member arranged about the intermediate section of said band, a pair of rim-supported units arranged at opposite sides of the tire having the lower portions thereof pivotally connected with the opposite ends of said traction member, pivoted arms on said units having their free ends rockably supported in releasable engagement with said rim, spring means for yieldably holding said arms in engagement with said rim, and means for connecting said spring means with the ends of said band member such that said pivoted arms are rockable on said rim in response to a flexing movement of said band.

2,457,209
RESINOUS COMPOSITIONS
William B. Clark, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 4, 1945, Serial No. 571,372
7 Claims. (Cl. 260—72)

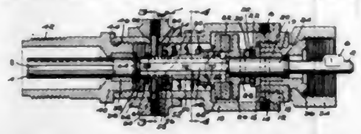
5. A thermosetting resinous composition comprising formaldehyde-modified polymethylenediamine-carbon bisulfide reaction product, said polymethylenediamine having the formula

$$NH_2(CH_2)_nNH_2$$

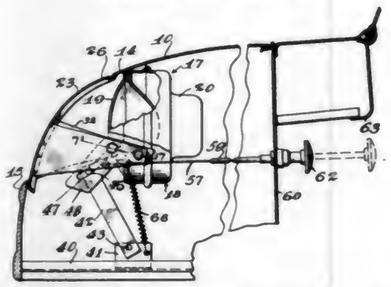
in which n has a value of from 3 to 10.

2,457,210
CLUTCH
Roger T. Coffey, Marblehead, Mass., assignor to Barbour Stockwell Company, Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1947, Serial No. 777,165
1 Claim. (Cl. 192—53)

A clutch comprising aligned driving and driven shafts, a first clutch plate affixed to said driving shaft, a thrust bearing supporting said driving shaft and clutch plate against movement away from said driven shaft, a sleeve longitudinally slidable on said driven shaft, mutually engageable members connected to said clutch plate and said sleeve so that, when said members are brought into engaging position by longitudinal movement of said sleeve, relative rotation of said clutch plate and said sleeve will be prevented, a second clutch plate carried by said sleeve whereby there may be relative longitudinal movement between said sleeve and said second clutch plate, means for preventing rotational movement between said driven shaft, said sleeve, and said second clutch plate, a second thrust bearing for exerting a force on said sleeve in the direction of said clutch plates, a compression spring between said second clutch plate and said second thrust bearing, and means for moving said second thrust bearing in the direction of said clutch plates whereby said clutch plates will be brought into engagement with each other, and after an increasing force has been applied to said clutch plates by the compression of said spring, continued movement of said second thrust bearing and said sleeve will bring said members into engaging position whereby any further rotational movement between said shafts will be precluded.

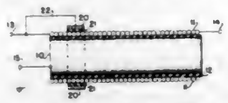


2,457,211
MOTOR VEHICLE LIGHTING
Edgard C. De Smet and John W. Dickason, Toledo, Ohio, assignors to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application April 23, 1945, Serial No. 589,912
2 Claims. (Cl. 240—7.1)



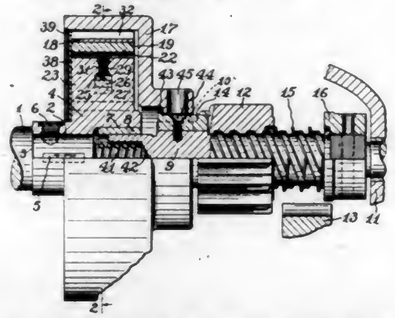
1. In a motor vehicle having an exterior surface formed with an opening; an illuminating means disposed adjacent the opening; a closure for said opening movable to mask and unmask the illuminating means; said closure being supported for pivotal movement about a relatively fixed axis and arranged to swing downwardly to an open position; the exterior surface of said closure being in the same plane with the exterior surface of the vehicle surrounding the opening when said closure is in closed position; an arm arranged for pivotal movement about a relatively fixed axis; a second arm pivotally connected to said closure and arranged for movement simultaneously therewith; a slot formed in one of said arms; a projection carried by the other of said arms and cooperating with said slot whereby movement of said pivoted arm causes movement of said closure; resilient means to partially counterbalance the weight of said closure, said pin and slot connection and said resilient means forming a retaining means for securing said closure in masking and unmasking positions and manipulating means connected to said pivoted arm to control the position of said closure.

2,457,212
TIME-DELAY NETWORK
Michael J. Di Toro, Brooklyn, N. Y., assignor, by mesne assignments to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application June 18, 1945, Serial No. 599,985
13 Claims. (Cl. 178—44)



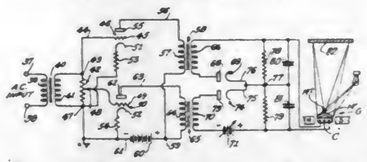
1. A time-delay network for translating a signal pulse comprising, an elongated conductive member, an elongated winding insulated from but electrically coupled along a major portion of its length to said conductive member for providing a distributed capacitance in said network and having a substantial inductive coupling between turns tending to produce a transient distortion pulse in response to an applied signal pulse, and a condenser bridged across a preselected number of turns of said winding, the value of said condenser and the number of said preselected turns being so chosen as to produce in response to said applied signal pulse and superimposed on the delayed pulse output a short pulse comparable in amplitude but opposite in polarity to said distortion pulse and occurring ahead of the leading edge of said delayed pulse in substantial coincidence with said distortion pulse.

2,457,213
ENGINE STARTER GEARING
Richard G. Dickens, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware
Application July 31, 1946, Serial No. 687,246
3 Claims. (Cl. 74—7)



1. In a transmission for connecting a small internal combustion engine to start a large internal combustion engine, a power shaft rotated by the starting engine, a driving clutch member fixed thereon, a screw shaft slidably journalled in the driving clutch member, a pinion threaded on the screw shaft for movement into and out of mesh with a gear of the engine to be started, a driven clutch drum surrounding the driving clutch member and non-rotatably connected to the screw shaft, a centrifugal clutch means mounted on the driving clutch member to rotate therewith with freedom for radial movement into engagement with the driven clutch drum and yielding means for normally holding the centrifugal clutch member out of engagement with the clutch drum.

2,457,214
RECORDING DEVICE
Henri-Georges Doll and Gerald K. Miller, Houston, Tex., assignors to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application July 21, 1942, Serial No. 451,789
16 Claims. (Cl. 346—33)



14. In recording apparatus of the character described, including recording means, the combination of means receiving an input signal proportional to a variable and providing an output that is fed to said recording means, switching means for changing the ratio between said output and said input, means for providing a voltage proportional to said variable quantity, means for rectifying said voltage, and an electronic trigger control circuit controlled by said rectified voltage for actuating said switching means.

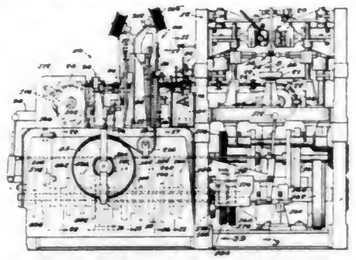
2,457,215
GAS WELDING ROD
John Trimble Eash, Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 20, 1945, Serial No. 629,923. In Canada August 3, 1945
5 Claims. (Cl. 219—8)

3. A method of producing welding rods which comprises melting a charge of nickel-chromium cast iron, superheating said melted charge to a temperature of about 2850° F. to about 3000° F., cooling said charge to a temperature of about 2800° F. to about 2600° F., adding a metallic lithium-free calcium-containing agent in an amount sufficient to introduce about 0.05% to about 1.0% calcium uniformly into said melt and casting said melt in a welding rod mold having a casting surface devoid of releasable silica-containing particles.

2,457,216
MEANS AND METHOD FOR PRODUCING INFUSION BAGS WITH NONTANGLING HANDLES
Lewis B. Eaton and Robert William Vergobbi, Quincy, Mass., assignors to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application December 11, 1945, Serial No. 634,358
27 Claims. (Cl. 93—3)

1. In apparatus for producing non-tangling infusion bags of the type provided with handles, in combination, means for forming a strip of connected, filled and closed rectangular-shaped bag sections, means for severing successive endmost bag sections from the strip, conveying means having a plurality of grippers arranged to receive successive endmost bag sections prior to severance from the strip, and means for attaching a handle comprising a length of twine and a tag to

each of successive bags while supported in said grippers, said last named means including means for retaining one end portion of said length of twine adjacent one edge of said bag, means for fastening a tag to the end of said twine remote



from the bag, means for rotating the bag to effect winding of the twine about the bag and to dispose the tag in proximity to the bag with the extended end of the twine adjacent said one end portion, and means for thereafter fastening both ends of the twine to the bag.

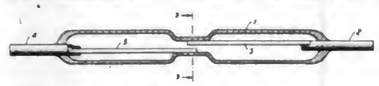
2,457,217
DUAL FOUNTAIN PEN
Max Ernst, Wiesendangen, Switzerland
Application July 13, 1945, Serial No. 604,813
In Switzerland April 30, 1945
4 Claims. (Cl. 120—42.10)



1. In a dual fountain pen having an ink reservoir disposed at each end thereof, and a plunger operatively mounted in each reservoir, the improvement comprising: an inwardly extending, threaded spindle connected to each plunger; and an operating member rotatable with respect to said dual fountain pen and threadedly connected to each spindle, whereby rotation of said member serves selectively to effect axial reciprocal movement of either plunger.

2,457,218
METHOD OF MANUFACTURING SEALED CONTACT DEVICES
Enoch B. Ferrell, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 14, 1944, Serial No. 568,191
3 Claims. (Cl. 49—81)

1. The method of manufacturing a sealed flexible reed contact device, which consists of forming a seat on the inside surface of a tubular glass body, inserting a flexible reed into said body, said reed being of smaller dimensions than the interior of said body, holding, by means of a magnetic force, the movable end of the flexible reed against the said formed seat without placing any strain



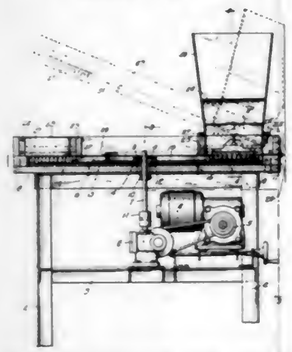
thereon other than that incident to the application of said magnetic force, fusing the other end of said flexible reed to the said glass body, and removing said holding magnetic force whereby said movable end of the reed is free to move.

2,457,219
SPONGE RUBBER GARMENT PRODUCT
Albert C. Fischer, Chicago, Ill.
Application June 19, 1940, Serial No. 341,382
7 Claims. (Cl. 2—243)



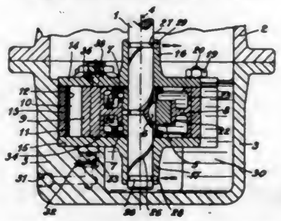
1. A garment formed of sponge rubber having portions thereof reenforced with solid fillers and also of different thickness for obtaining the desired supporting and shaping effects.

2,457,220
TABLET COUNTING APPARATUS
Chester C. Fowler, Evanston, and George T. Clark, Chicago, Ill., assignors to Lanteen Medical Laboratories, Inc., a corporation of Delaware
Application March 16, 1945, Serial No. 583,114
7 Claims. (Cl. 226—2)



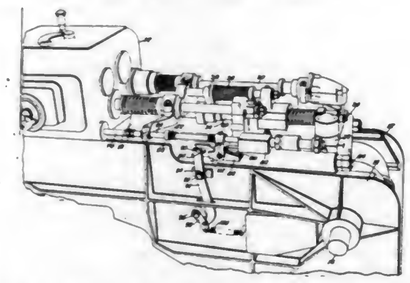
5. In a tablet counting machine, a turntable having in an annular path a plurality of spaced groups of a predetermined number of holes, a hopper under which said groups of holes successively pass so that one tablet will fall into each hole of the group under the hopper, means for rotating the turntable, and means for releasing the tablets of a group at a point removed from the hopper to pass into a container so that the container will contain an exact predetermined number of tablets, a vertically swingable frame above said turntable, means for guiding any stray tablets away from the location of the tablet-releasing point, said first mentioned hopper and said stray tablet guiding means being fixed to said frame for swinging movement therewith toward and away from the turntable.

2,457,221
ROTARY COMPRESSOR SEALING MEANS
Edmond Paul Girard, Geneva, Switzerland
Application November 11, 1943, Serial No. 509,852
In Switzerland August 1, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires August 1, 1962
3 Claims. (Cl. 230—205)



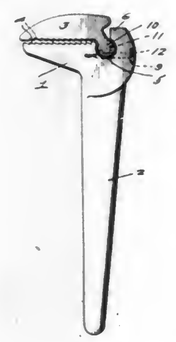
1. In a rotary compressor, the combination of a vertical rotatable driving shaft, an eccentric mounted thereon, a substantially hollow piston encircling said eccentric, said piston being arranged and positioned to be gyrated in a horizontal plane by said eccentric, a cylinder surrounding said piston, the walls of said cylinder and of said piston defining a fluid chamber within said piston adapted to be filled with a lubricating fluid, and means carried by the eccentric and positioned within said chamber to impart a rotating movement in a horizontal plane to the fluid contained in said chamber whereby the fluid is driven by centrifugal force into the joints between said piston and said surrounding cylinder.

2,457,222
SAFETY DEVICE FOR BREECH LOADING GUNS
William V. Goodhue, East Greenwich, R. I., and Emerson C. Gill, Saugus, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 4, 1947, Serial No. 772,167
6 Claims. (Cl. 89—6.5)



1. In combination, a breech-loading gun having a displaceable breechblock, a ramming mechanism for delivering a round of ammunition to the gun, a stop to interrupt the movement of the round before it reaches the breechblock, means for releasing said stop, a detent to prevent release of the stop, and means responsive to the position of the breechblock to move the detent into and out of operative relation to the stop-releasing means.

2,457,223
PIVOTED OUTER JAW PIPE WRENCH
Clyde H. Green, Macedonia, Ohio
Application November 6, 1945, Serial No. 627,001
1 Claim. (Cl. 81—98)



A pipe wrench, comprising a fixed jaw formed with a transverse groove, said groove being formed in an axial direction with an inwardly-bowed center portion, a pivotal jaw provided with a transverse cylindrical projection constructed to rotatably engage in said groove and to be rockably supported on said inwardly-bowed center portion thereof, said cylindrical projection being formed with an arcuate slot concentrically thereof, a removable bolt passing transversely through the fixed jaw from the back thereof and intersecting said groove in the region of said center portion, and said bolt being provided with a shank adapted to be slidably seated in said arcuate slot of said cylindrical projection.

2,457,224
PREPARATION OF POLYDIOXOLANE
William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 3, 1945, Serial No. 603,111
9 Claims. (Cl. 260—2)

8. Crystalline homopolymers of 1,3-dioxolane.

2,457,225
PREPARATION OF ACRYLATES
William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1946, Serial No. 666,516
8 Claims. (Cl. 260—486)

1. A process which comprises dealcoholizing a beta-alkoxy-substituted monocarboxylic acid ester to an unsaturated carboxylic acid ester by passing the beta-alkoxy-substituted monocarboxylic acid ester in the vapor phase over a solid inorganic base as the catalyst at a temperature between 300 and 550° C.

2,457,226

PREPARATION OF CHOLINE CHLORIDE

William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 7, 1946, Serial No. 668,019
7 Claims. (Cl. 260—501)

5. A process for the synthesis of choline chloride which comprises heating methyl formate with a beta-(alkoxymethoxy)ethyl dimethylamine in a closed vessel at a temperature of about 75° to 200° C., separating beta-(alkoxymethoxy)ethyl trimethylammonium formate from the resulting mixture, treating the said beta-(alkoxymethoxy)-ethyl trimethylammonium formate with hydrochloric acid and an alkanol at a temperature of at least about 50° C. and thereafter separating choline chloride from the resultant reaction products.

7. A compound having the formula

$$C_2H_5OCH_2OCH_2CH_2N(CH_3)_3OOCH$$

2,457,227

STABILIZATION OF FATS AND OILS

Myers F. Gribbins, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 27, 1945, Serial No. 637,499
7 Claims. (Cl. 99—163)

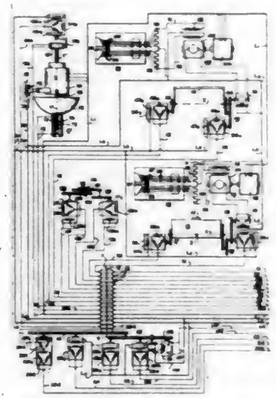
1. In a process for inhibiting the rancidity of a member of the group consisting of edible vegetable, animal and fish oils, fats and waxes, containing metals, the step which comprises heating the compound of the group with a beta-mercaptopropionic compound having the linear structural formula $ROOCCH_2CH_2S—X$ in which R is selected from the group consisting of hydrogen, and hydrocarbon groups and in which the monovalent substituent X is a member of the group consisting of hydrocarbons, oxygenated-, sulfur-, sulfur- and oxygenated-, and sulfur- and nitrogen-hydrocarbons and thereafter separating the precipitated metal.

2,457,228

LEVELING AND TRAINING MECHANISM

Clinton R. Hanna, Pittsburgh, and Lawrence B. Lynn, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 1, 1944, Serial No. 524,560
32 Claims. (Cl. 318—19)



1. In a stable element for a structure subject to rolling and pitching movements, a member mounted on the structure for movement about a training axis, means providing a reference vertical carried by said member, first and second pivotally-connected elements, means including a universal connection providing for movement of the first element in train with said member, means for universally connecting the second element to said structure so as to prevent movement of the second element in train with the first element relative to the structure, means utilizing the reference vertical to position said elements so that the plane of pivotal movement thereof is horizontal, a motor for moving said member about the training axis, and means responsive to relative angular movements of said elements with respect to their pivot axis and brought about by roll and pitch to control said motor.

2,457,229

HIGH MOLECULAR WEIGHT PRODUCTS OF ETHYLENE

William E. Hanford, Easton, Pa., and John R. Roland, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application January 1, 1943, Serial No. 471,028. Divided and this application June 13, 1946, Serial No. 676,578
6 Claims. (Cl. 260—614)

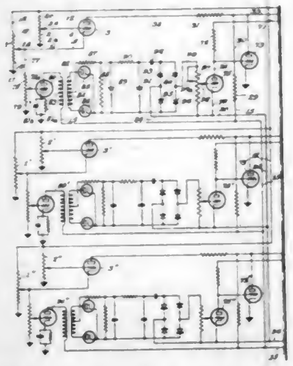
1. A process for the preparation of a dialkyl ether/ethylene reaction product which comprises heating under ethylene pressure above 200 atmospheres a dialkyl ether free of olefinic unsaturation and a peroxy catalyst.

2,457,230

AUTOMATIC ELECTRONIC AIRCRAFT FLIGHT CONTROL OR PILOT

Walter J. Harshbarger, New York, N. Y., and Donald R. Putt, Jersey City, N. J., assignors to Rex Cole, New York, N. Y.

Application August 27, 1943, Serial No. 500,226
10 Claims. (Cl. 318—489)



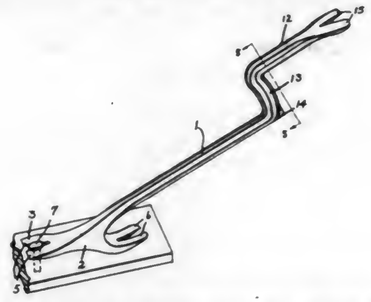
10. In a device for controlling and stabilizing an aircraft equipped with a gyroscope, aircraft controls and a servomotor for operating said controls, a potentiometer controlled by said gyroscope, means for impressing an alternating current voltage across said potentiometer, said potentiometer including a center tap connected with said gyroscope to move in accordance with deviations in movement of said aircraft, a second potentiometer, means for impressing an alternating current voltage across said second potentiometer, said second potentiometer having a center tap controlled by said servomotor and being at the same potential as the first mentioned center tap when both center taps are in central position whereby deviation of the aircraft or movement of the servomotor will result in a difference in potential between the two taps, means for expressing this difference in terms of alternating current voltage to operate said servomotor, a third potentiometer connected between the first mentioned center tap and ground and having a third center tap, an electron tube having a grid connected to said third center tap, a cathode connected to ground through a condenser and a resistor in parallel and a plate, and a transformer having its primary connected to said plate and its secondary connected to means whereby an amplified alternating voltage will be impressed on the first mentioned voltage to operate said servomotor accordingly.

2,457,231

WRECKING BAR

William F. Henderson, Colfax, Wash.

Application August 9, 1946, Serial No. 689,488
1 Claim. (Cl. 254—25)



A wrecking tool comprising a bar having a foot at its front end formed with forwardly and rearwardly extending claws, the rear portion of the bar being bent to form a rearwardly extending handle connected with the main portion of the bar by a shank extending upwardly from the bar at substantially right angles thereto, said handle having its rear portion curved longitudinally and flattened and split to form claws, and the shank being curved longitudinally and at its junction with the bar having a rearwardly extending block adapted to be struck with a hammer for forcing the claws at the front end of the foot under the head of a nail to be pulled.

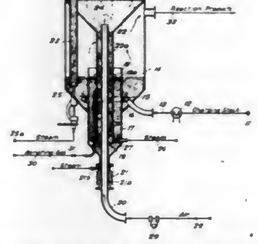
2,457,232

CATALYTIC CONVERSION SYSTEM

Robert J. Hengstebeck, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application April 17, 1944, Serial No. 531,383
14 Claims. (Cl. 196—52)

1. In apparatus suitable for effecting catalytic conversion of hydrocarbons with solid catalyst of small particle size, a vertical cylindrical conversion chamber having inclined bottom walls and top walls, a vertical cylindrical regeneration chamber superimposed above said conversion chamber the top walls of the conversion chamber forming at least a portion of the bottom walls of the regeneration chamber, a tube extending downwardly through the conversion chamber and communicating at its upper end with the inclined walls which form the base of the regeneration chamber, a cylindrical stripping chamber surrounding said tube with its upper end open to said conversion chamber and with its lower walls extending below the inclined walls of the conversion chamber, an expansion joint at the base of said stripping chamber, a compressed air pipe extending through said expansion joint and axially through at least a substantial part of said tube, the lower end of said tube being spaced from the bottom wall of said stripping chamber whereby fluidized solids may flow from the stripping chamber into an annular space between said tube and said pipe, said space forming a catalyst return conduit, means for introducing an aeration gas into said catalyst return conduit, means for regulating the amount of aeration gas so introduced, means for introducing steam at a low point in the stripping chamber at a level above the bottom of said tube, means for introducing compressed air into said pipe and for distributing said compressed air into the regeneration chamber along with catalyst from the top of said return conduit, a stand-pipe communicating at its upper end with said regeneration chamber, means for introducing catalyst from the base of said standpipe into said conversion chamber, means for removing regeneration gases from the upper part of said regeneration chamber and means for removing conversion products from the upper part of said conversion chamber.



11. The method of effecting catalytic conversion with a solid catalyst of small particle size which requires periodic regeneration, which method comprises introducing a regenerated catalyst from a downwardly moving aerated column thereof into a conversion zone which is underneath a regeneration zone, introducing a charging stock at a low point in said conversion zone and passing said charging stock as a gaseous stream upwardly through said conversion zone at such low velocity as to maintain a suspended turbulent dense catalyst phase therein superimposed by a light catalyst phase, withdrawing a product stream from said light dispersed catalyst phase, withdrawing catalyst from the dense phase in the conversion zone into an adjacent stripping zone and stripping the catalyst with a stripping gas in said stripping zone, conveying catalyst from a low level in the stripping zone directly upward to said regeneration zone as an upwardly moving aerated column, maintaining a pressure at the base of the stripping zone which is substantially higher than the pressure in the regeneration zone at the upper end of said column, introducing aeration gas into the upwardly moving column in such amounts that the average bulk density of the catalyst in the column multiplied by the length of the column gives a head

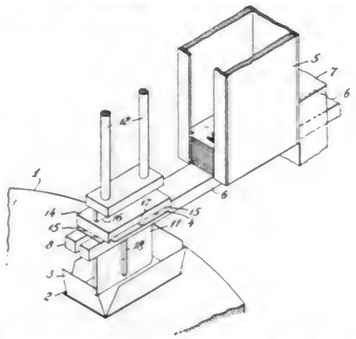
sufficient to substantially balance the pressure difference between the base of the stripping zone and the regeneration zone at the upper end of the column so that by increasing aeration in the column upward catalyst flow is increased and by decreasing aeration in the column to a sufficient extent catalyst flow therein may be stopped, the extent of aeration thus serving the function of a regulating valve and the column without aeration serving the function of a cut-off valve, introducing a regeneration gas at a low point in the regeneration zone and passing said regeneration gas upwardly at such low velocity as to maintain a dense turbulent suspended catalyst phase superimposed by a light dilute catalyst phase, withdrawing regeneration gases from said dilute catalyst phase in the regeneration zone, withdrawing catalyst from the regeneration zone directly from the dense phase as a downwardly moving aerated column and returning catalyst from the base of said column to said conversion zone.

2,457,233

BLADE WRAPPING MACHINE

Charles Norton Henshaw, Plattsburg, N. Y., assignor, by mesne assignments, to Pal Blade Co. Inc., New York, N. Y., a corporation of New York

Application July 21, 1945, Serial No. 606,336
9 Claims. (Cl. 214—8.5)



5. Blade-transfer mechanism for a blade-wrapping machine comprising a blade magazine for a stack of slotted blades, a slide having a bifurcated blade support and a pusher for moving the lowermost blade from the magazine and holding it on the support above a wrapper, a vertically movable pilot, means for lowering the pilot through the slot in the blade and between the prongs of the support to a point close to the wrapper, means for retracting the support to permit the blade to descend along the pilot to the wrapper and means for raising the pilot.

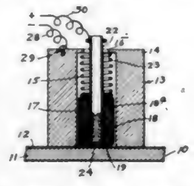
2,457,234

APPARATUS FOR ELECTROLYTICALLY DETERMINING THE THICKNESS OF METAL COATINGS

William S. Herbert, Madison, Wis., and Howard T. Francis, Chicago, Ill., assignors to Armour Research Foundation of Illinois Institute of Technology, a corporation of Illinois

Application September 25, 1943, Serial No. 503,828
2 Claims. (Cl. 204—195)

1. Apparatus for use in determining the thickness of a metal coating over a dissimilar foundation metal, comprising an open-ended hollow metal member for direct gravity contact with the coating to be measured, said member having an upper inturned annular shoulder, annular insulating and sealing means movable within said member for resting against said coating to define a predetermined area thereof, resilient means between said shoulder and said annular insulating and sealing means transmitting a part only of the weight of said metal member to urge said insulating and sealing means



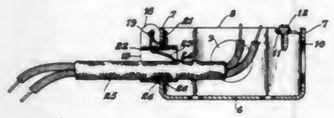
against said coating, a hollow electrode extending into said metal member and fitted into said annular insulating and sealing means to form the side walls of a receptacle for an electrolyte, and external electrical connections to said electrode as the cathode and said metal member as the anode to complete an electrical circuit including said electrode, metal member and said electrolyte to effect an anodic dissolution of metal from said coating over said predetermined area.

2,457,235

CONNECTOR FOR ELECTRIC RECEPTACLES

Karl Hoehn, Canton, Ohio

Application October 21, 1946, Serial No. 704,687
3 Claims. (Cl. 285—6.5)



1. A cable connector for an electric outlet box inlucding a substantially cylindrical body adapted at one end for projecting through a knock-out hole of the box, spaced upright ears on the other end of said body, and a gravity latch pivoted on said ears for swinging within said body, said latch having an upwardly curved leg for frictionally clamping the upper edge of said hole, and a downwardly curved leg for engaging a cable passing through said body.

2,457,236

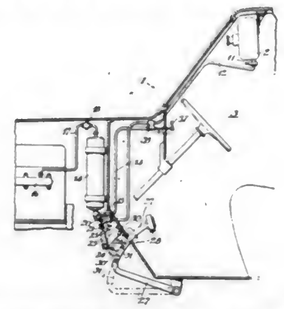
VEHICULAR MOTION-PICTURE CAMERA

William G. Hokett, Phoenix, Ariz.

Application December 4, 1947, Serial No. 789,657
2 Claims. (Cl. 88—16)

1. A vehicular motion picture camera operating device, for installation in a motor vehicle having a driver's compartment and an internal combustion engine, having an intake manifold and a brake pedal, including, in combination, a motion picture camera mounted on said vehicle positioned to photograph road conditions ahead of said vehicle, a vacuum motor attached to said camera and adapted to drive the photographing mechanism thereof; a tank connected to the engine manifold of said vehicle, a check valve operative between said manifold and said tank to retain vacuum drawn in said tank by suction from said manifold; a tube, including a throttle valve, connecting said tank to said vacuum motor,

mechanism including an arm operative on said valve, and a lever actuated by a brake pedal of



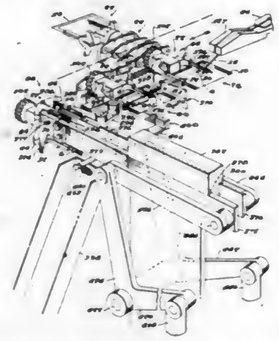
said vehicle adapted to open and close said valve corresponding to the operation thereof.

2,457,237

APPARATUS FOR PRODUCING FILLED BAGS

Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application June 4, 1947, Serial No. 752,543
11 Claims. (Cl. 93—2)



1. In apparatus for producing infusion bags, in combination, bag supporting means arranged to receive and support a bag, means for attaching a handle comprising a tag and a length of twine to the bag including means for relatively moving the twine and the bag to loop the twine about the bag and its support, means for withdrawing the bag from its support, and means for releasing the loop from the support prior to the withdrawing operation.

2,457,238

FRACTIONATION OF POLYMERIC ETHYLENE

Edward Hunter and Raymond B. Richards, Northwich, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 25, 1944, Serial No. 560,352. In Great Britain November 29, 1943
2 Claims. (Cl. 260—94)

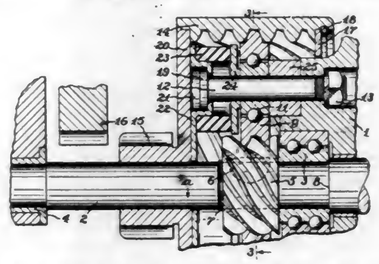
1. A process which comprises dissolving a solid polymer of ethylene having a molecular weight between 10,000 and 40,000 in ethylene gas at a pressure in excess of 500 atmospheres and a temperature between 50 and 350° C., cooling the resulting mixture and thereafter blowing down to atmospheric pressure whereby polymers of ethylene are obtained in two solid phases.

2,457,239

ENGINE STARTER GEARING

Burr W. Jones, Rochester, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware

Application February 10, 1947, Serial No. 727,544
15 Claims. (Cl. 74—7)



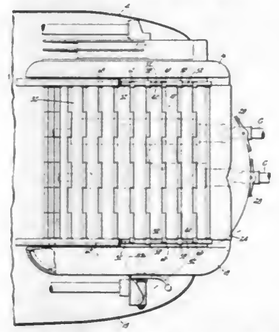
1. In a heavy duty drive for engine starters, a power shaft, a spiral pinion fixed thereon, a plurality of spiral idler gears journalled on fixed bearings meshing with said pinion with freedom for longitudinal movement, a spiral internal gear enclosing and meshing with said idlers, and means actuated by said internal gear to engage and drive a member of an engine to be started.

2,457,240

SHIELD FOR GUN MOUNTS

Jacob C. Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

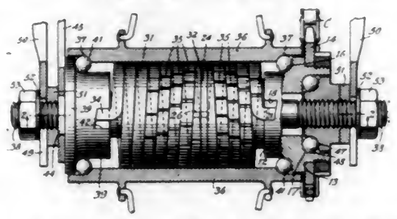
Application September 23, 1946, Serial No. 698,715
6 Claims. (Cl. 89—36)



1. An airplane gun mount comprising a pair of vertically spaced circular supports mounted for limited turning movements about a vertical axis, said supports providing between them an opening, a gun carried between said supports for movement therewith in azimuth and projecting through said opening, a flexible shield for that portion of the opening traversed by the gun, said shield comprising a plurality of narrow, vertically-extending plates, pintles pivoting said plates together about axes parallel to the axis of turning movement of the supports, pins carried by said pintles extending beyond the ends of said plates, rolls carried by said pins and received in

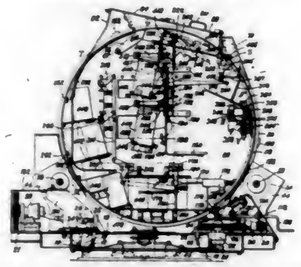
recesses in the periphery of said supports, means for locking a predetermined number of said rolls in said recesses, and means operative upon turning said supports for guiding said rolls away from said supports at that side of the shield toward which said gun is moved in azimuth and for causing said plates to assume a folded relation.

2,457,241
COASTER BRAKE
Mathias Klein, Hawthorne, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application September 25, 1945, Serial No. 618,505
9 Claims. (Cl. 192—6)



1. In combination, a fixed member, a cylindrical hub, a cylindrical drive sleeve disposed between said fixed member and said hub in concentric spaced relation, means journaling said hub and drive sleeve on said fixed member, means carried by said drive sleeve adapted to couple said sleeve to said hub upon rotation of said sleeve in one direction, additional means anchored with respect to said fixed member and supported by said sleeve adapted to frictionally engage said hub upon limited rotation of said sleeve in an opposite direction and prehensile means responsive to said last named rotation to engage said additional means with said hub.

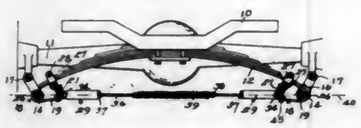
2,457,242
GUN TURRET
Cutler D. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 30, 1944, Serial No. 565,939
10 Claims. (Cl. 89—41)



1. In a turret for anti-aircraft guns, the combination with a base, of a ring fixed upon the base and provided with an upwardly extending flange within which a surface of the ring furnishes a track, a table, a drum rotatable upon the table, a plurality of brackets depending from the table, means for securing the brackets in different positions radially of the table, and frusto-conical rolls rotatable upon the brackets and revoluble along the track, said table being retained against lateral displacement by engagement of the larger ends of the rolls with the flange of the ring.

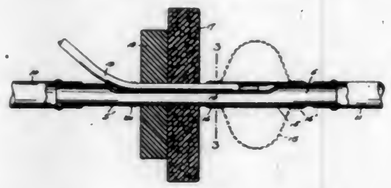
6. In combination, a movable turret, a gun mounted upon the turret, motors by which the turret is moved in azimuth and in elevation to direct the fire of the gun, controlling means including valve mechanism by which the azimuth and elevation motors are governed and grip mechanism movable in azimuth and in elevation through which the gunner may move the valve mechanism, a grip member extending from the controlling means to a point convenient for actuation by a second man in the turret and supported for movements corresponding to those of the gunner's grip mechanism, and means for connecting the grip member to move the controlling means.

2,457,243
VEHICLE SPRING
Joseph B. Kucera, Traer, Iowa
Application February 21, 1945, Serial No. 578,996
3 Claims. (Cl. 267—29)



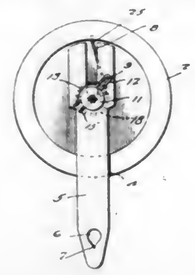
1. A spring assembly comprising a semi-elliptical spring, pivot means supporting said spring at its opposite ends for flexing movement, a pair of bracket members at the ends of said spring, with said bracket members being integrally formed with hook portions extended about said spring ends, and arm portions projected inwardly from said spring ends opposite the concave side of said spring, means securing said hook portions against the convex side of said spring ends such that the inner ends of said arm portions are movable up and down relative to said pivot means in response to a change in the curvature of the spring at said spring ends, and a coil spring connected under tension between the inner ends of said arm portions.

2,457,244
MEDICAL APPLIANCE FOR CONTROL OF ENEMATA
Otis F. Lamson, Seattle, Wash.
Application June 22, 1943, Serial No. 491,841
1 Claim. (Cl. 128—246)



An appliance for the control of enemata comprising the combination of a rectal pipe providing a main fluid canal arranged to be inserted by its forward end through the anal canal into the lower region of a patient's bowel and being adapted to connect by its rear end with an enema tube, said pipe when inserted exposing its said rear end beyond the distal end of said anal canal; an inflatable element carried upon the forward end of the pipe and arranged and adapted to be ballooned by injection of pressure air from a normally collapsed condition permitting the same to pass freely through said anal canal into an expanded compass exceeding that of the internal mouth of the anal canal, said element being comprised of a single-thickness fistular-shaped sheet of elastic rubber sleeved over said forward end of the pipe and, when collapsed, finding a snug fit upon the latter and having its end extremities made fast to the pipe to provide a seal against the escape of air introduced to the element for ballooning the same; an air duct isolated from said main fluid canal of the pipe and extending longitudinally from the outer end of the pipe to terminate in an outlet port giving access to the interior of the balloon, the admission end of said air duct being arranged for connection with a source of controlled pressure air; and means also carried upon the pipe and in the use of the appliance operating to fit snugly against the anus of the patient and in consequence hold the inflated balloon against said internal mouth of the anal canal.

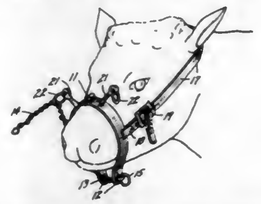
2,457,245
TENSION INDICATOR FOR THREADS ON SEWING MACHINES
Albert H. Larson and Charles W. Fox, El Dorado, Ark.
Application January 22, 1946, Serial No. 642,760
2 Claims. (Cl. 73—143)



1. A thread tension indicator comprising a casing having a front section provided with a central opening, and a rear section provided with a marginal recess and a hollow central boss, a shaft journaled at one end in said central opening and at its opposite end in said boss and having an annular recess intermediate the length thereof and tranverse holes therethrough, one at each side of said annular recess, a flat control bar slidably received in said marginal recess having in one end an elongated slot receiving the annularly-recessed portion of said shaft and adjacent its opposite end an aperture having a V-shaped extension directed toward the adjacent end of said bar, a pin projecting from said bar adjacent said slot, a U-shaped spring clip having a straight leg inserted through one transverse hole in said shaft and a curved leg embracing said shaft and receiving said pin between the leg portions adjacent the closed end thereof to operatively connect said bar to said shaft, a coil spring having one end received in the other hole in said shaft and its other end secured to said casing, said coil spring surrounding said shaft and said boss and applying a spring force to said shaft urging said bar inwardly of said casing, a dial on the outer face of said casing front section, and a pointer secured on the corresponding end of said shaft overlying said dial.

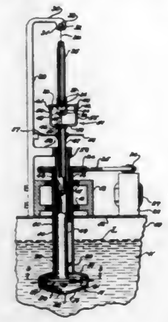
2,457,246
BREAKING LEAD HALTER FOR CATTLE
John G. Lawrence, Des Moines, Iowa
Application July 18, 1946, Serial No. 684,503
2 Claims. (Cl. 54—24)

2. A lead halter for cattle comprising: two, arcuate, side yoke members; means hinging said



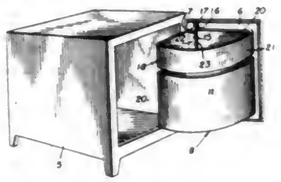
members together at their upper extremities to form a loop-like muzzle yoke for the animal; downwardly turned lower extremities on said members, said extremities being perforated; a head strap secured to said members and adapted to extend over the head of the animal; a post fixed to and extending upwardly and outwardly from one of said members; a receiving ring carried on the extremity of said post; and a flexible member extending through said perforations and upwardly through said receiving ring to form a leash for the animal.

2,457,247
VISCOSIMETER
Walter D. Lawshe, Seattle, Wash., assignor, by mesne assignments, to Monsanto Chemical Company, Seattle, Wash., a corporation of Delaware
Application August 28, 1946, Serial No. 693,553
5 Claims. (Cl. 73—59)



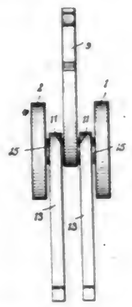
1. In a viscosimeter, a support, an upper torsion member fixed to and depending from said support, a lower torsion member in fixed connection with and depending from the lower end of said upper member, a rotatable member fixed to the lower end of said lower member, means for applying torque to said rotatable member in accordance with the viscosity of the material to be tested, said torsion members being unequally torque resistant so that one is twistable through a certain range by said rotatable member without substantial twisting distortion occurring in the other, means operative before said twisting range is exceeded for transferring the torque of said rotatable member from said one to said other torsion member, and indicating means driven from said rotatable member.

2,457,248
CABINET HAVING PIVOTALLY MOUNTED BINS
George John Lemke, Rugby, N. Dak.
Application January 13, 1947, Serial No. 721,844
2 Claims. (Cl. 312—152)



1. A cabinet comprising a casing having a hinged door, a lower bin fixed to the inner face of said door, and an upper bin hingedly disposed above said lower bin for covering placement thereover, vertical sleeves carried by said bins, a vertical shaft having its upper end inturned and detachably secured to the inner face of the door and having its shank disposed through the sleeve on the upper bin and extending into the sleeve on the lower bin, means disposed on said shaft for spacing said bins apart.

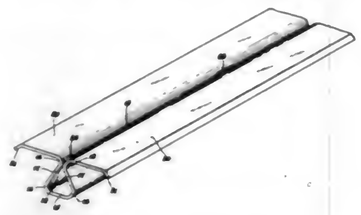
2,457,249
TOY
Sidney K. Lipschitz, New York, N. Y.
Application August 23, 1946, Serial No. 692,637
1 Claim. (Cl. 46—22)



In a constructional toy, a pair of body sections, limbs pivotally mounted between the sections, pivot pins on which the limbs are mounted and which connect the body sections together, the body sections having recesses in their inner faces only, said recesses extending only partly through the body sections, the ends of the pivot pins being frictionally and removably fitted into said recesses, the recesses in one of the body sections being spaced slightly farther apart than those in the other body section so that the pivot pins will be placed under stress when fitted in the recesses in the two body sections.

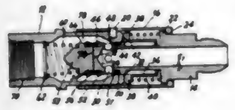
2,457,250
TUBULAR SECTION STRUCTURAL MEMBER
Stanley Macomber, North Canton, Ohio
Application May 3, 1948, Serial No. 24,749
9 Claims. (Cl. 189—37)

1. A structural member comprising a single piece of sheet metal of indefinite length and uniform cross section, longitudinally bent into tubular form with a longitudinal groove of predetermined definite width in one side thereof, opposite side portions of the sheet metal being



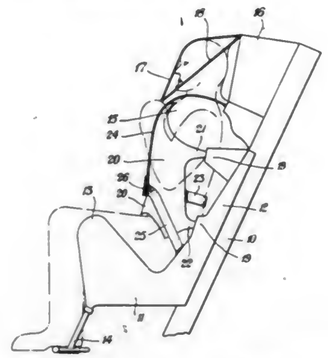
arcuately bent to form the walls of said groove, and welds at spaced points in the entrance to the groove for rigidly holding the walls thereof to a predetermined definite spacing.

2,457,251
QUICK CONNECT SELF-SEALING COUPLING
Benjamin A. Main, Jr., Jackson, Mich., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan
Application March 28, 1945, Serial No. 585,307
1 Claim. (Cl. 284—19)



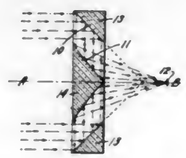
A self-sealing coupling of the kind consisting of two tubular body parts of which one comprises an interior co-axial tubular stem closed at the coupling end and defining an annular space between itself and its tubular body part, said tubular stem having fluid-flow ports in its hollow wall portion adjacent said closed end and said ports being closable by a sleeve slidable upon said tubular stem and within said annular space, whereas the other tubular body part has an end opening of a diameter approximating the interior diameter of said sleeve and closable by an axially movable valve member which, when the two body parts are coupled together, is displaced inwardly by contact with the closed end of said stem at the same time as the said sleeve is pushed back along the stem to open said ports due to the endwise pressure exerted against the sleeve by the second said tubular body part characterized in that the said axially movable valve member has a circumferential groove around its outer periphery containing a fluid sealing ring for maintaining a fluid tight seal with the said end opening, when this valve member is closed, and that the said tubular stem also has external circumferential grooves on opposite sides of said fluid-flow ports and containing fluid sealing rings, said sleeve having an inwardly directed shoulder, at the end thereof remote from the closed end of the stem, engageable with a shoulder on the stem to limit the outward axial movement of the sleeve to close said fluid-flow ports and the one sealing ring on the said stem, on the side of the said fluid-flow ports remote from the closed end of the stem, serving, when the sleeve is displaced inwardly by the said second body part, to maintain a fluid seal between the stem and the said end opening in said second body part.

2,457,252
BODY PROTECTING DEVICE FOR AIRCRAFT PERSONNEL
James Martin, Higher Denham, near Uxbridge, England
Application September 16, 1947, Serial No. 774,382
In Great Britain October 13, 1946
5 Claims. (Cl. 244—122)



1. A body protecting device for the personnel of aircraft comprising a cover plate shaped and adapted to fit over the front of the body and rearward extensions from the sides of the cover plate adapted to engage abutments on an ejection seat for launching from an aircraft and which support the cover plate free of the body of the occupant of the seat so as to protect the body and the vital organs therein from the pressure of the air which will be met if and when the seat with its occupant is launched from the aircraft in flight.

2,457,253
REFLECTING OPTICAL OBJECTIVE SYSTEM
Clifford W. Martin, Denver, Colo.
Application December 22, 1947, Serial No. 793,146
2 Claims. (Cl. 88—57)

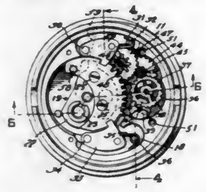


1. A ray focusing system comprising: an annular, conical, truncated, inside reflecting surface; a second concave-conical, outside reflecting surface positioned concentrically within the annulus of, and in the plane of, the first reflecting surface, with its apex directed toward the smaller diameter of the first surface, the largest diameter of the second surface being substantially equal to the smallest diameter of the first surface, the projected width of both surfaces on the optical axis being substantially equal, the diameter of the second surface exceeding twice its width on said optical axis, any radial cut section through said second surface presenting a curved line; and any radial cut section through said first surface presenting a straight line, the radius of any plane through said second surface perpendicular to the optical axis being equal to "Y" in the following formula:

$$Y=\frac{(X+m)^2}{2X}-\frac{X}{2}$$

in which "X" is the focal length desired and "m" is the distance from the apex of the second reflecting surface along the optical axis to said plane.

2,457,254
DELAY ARMING DEVICE FOR FUSES
James F. McCaslin, Cleveland, Ohio, and Jean Fink, Delavan, Wis.; said Fink assignor to The George W. Borg Corporation, Delavan, Wis., a corporation of Delaware
Application September 18, 1947, Serial No. 774,752
1 Claim. (Cl. 102—79)

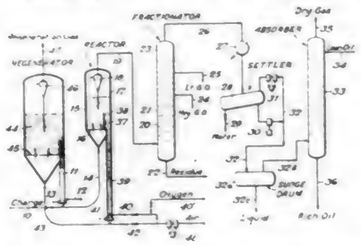


A delay arming device for rotatable projectiles comprising a housing adapted to be disposed between the fuze and booster of the projectile, said housing having a flash opening therein arranged in communication with the booster, a rotor rotatably mounted in said housing, said rotor being heavier on one side of its axis of rotation than on its other side, a detonator carried by the rotor at a point spaced from its axis and adapted in one position to be out of registration with the housing flash opening and in another position of the rotor to be in registration with the flash opening, an escapement mechanism operatively connected to said rotor to retard its rotational movement, centrifugally released means comprising substantially diametrically opposed spring urged detents engaging the rotor to lock the rotor in its unarmed position with the detonator out of registration with the housing flash opening, and centrifugally actuated positive locking means to lock the rotor in its armed position with its detonator in registration with the housing flash opening, said rotor comprising a rotor body and a gear plate secured to the forward face of the rotor body and having gear teeth adapted to engage said escapement mechanism, said gear plate having peripheral notches adapted to be engaged by the detents, said gear plate extending beyond one side of the rotor body and carrying a lug disposed in spaced relation to said side of the rotor body, whereby an arming wire carried by the housing may be passed between the lug and rotor body to lock the rotor in its unarmed position.

2,457,255
STRIPPING OF SPENT CATALYST IN A HYDROCARBON CONVERSION PROCESS
Paul F. McElherne, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 20, 1945, Serial No. 589,337
3 Claims. (Cl. 196—52)

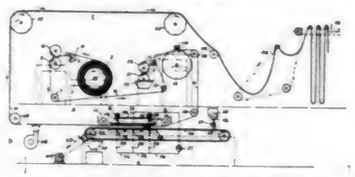
1. In a catalytic conversion system wherein catalyst in a conversion zone accumulates carbonaceous deposits comprising vaporizable hydro-

carbons, wherein the catalyst from the conversion zone is stripped for removal of the vaporizable hydrocarbons in a stripping zone and wherein the catalyst is thereafter regenerated by burning unvaporized carbonaceous residue therefrom, the improved method of operation which comprises effecting said stripping solely by heating the base of the stripping zone to a temperature substantially higher than the temperature in the conversion zone and sufficiently high to establish a temperature gradient from a lower portion to an upper portion of the stripping zone, passing the catalyst contaminated with said carbonaceous deposits downwardly through said stripping zone whereby the carbonaceous deposits are subjected to increasing temperatures in its downward passage, vaporizing vaporizable components from



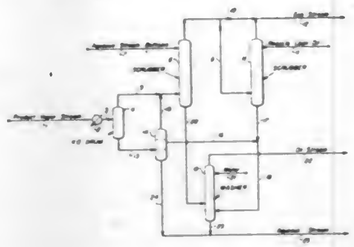
residual components of said deposits as the catalyst passes downwardly through the stripping zone, passing the vaporized components upwardly through at least the upper portion of the stripping zone, condensing and recovering at least a substantial portion of said vaporized components, effecting said heating by introducing a gas containing at least about 20% of free oxygen at the base of said stripping zone for effecting partial combustion of said residual components and employing an amount of said gas which is sufficiently large to maintain the catalyst in fluidized condition at the base of said stripping zone but sufficiently small so that most of the products of said partial combustion are carried downwardly with said catalyst from the base of the stripping zone.

2,457,256
APPARATUS FOR MANUFACTURE OF COATED WEBS
Romie L. Melton, Raymond C. Benner, and Henry P. Kirchner, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application December 29, 1939, Serial No. 311,606
15 Claims. (Cl. 91—18)



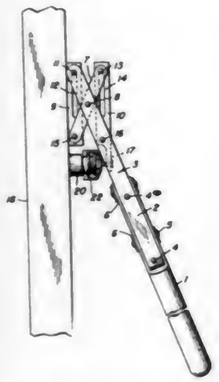
1. Apparatus for the manufacture of abrasive coated webs comprising upper and lower electrodes, means for applying an alternating electromotive force of a high potential difference to the upper and lower electrodes, means for supporting an adhesive coated web between said electrodes and with an adhesive coated surface downward, and means for supplying abrasive particles between said web and the lower of said electrodes, said apparatus being adapted electrostatically to project the abrasive particles against the downwardly facing adhesive surface of the web.

2,457,257
SEPARATION OF OXYGENATED COMPOUND WITH BISULFITE ADDUCTS
Vesta F. Michael and Scott W. Walker, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application September 24, 1947, Serial No. 775,918
20 Claims. (Cl. 260—643)



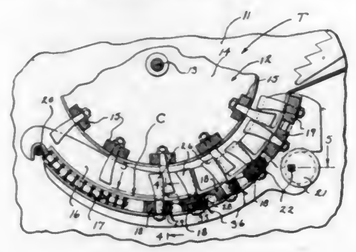
1. In a process for separating an alcohol from an organic solution comprised thereof, the steps which comprise contacting said organic solution with an immiscible aqueous phase in the presence of at least one bisulfite-ketone adduct and at least one bisulfite-aldehyde adduct; separating and withdrawing an aqueous extract; heating said aqueous extract to a temperature above the decomposition temperature of bisulfite-ketone adducts, but below the decomposition temperature of any bisulfite-aldehyde adduct contained therein; and separating from the heated aqueous extract an organic mixture comprising said alcohol and any liberated ketone.

2,457,258
PULLING IMPLEMENT FOR DETACHING INSULATORS
Gordon P. Mitchell, Merrill, Wis.
Application October 23, 1947, Serial No. 781,623
4 Claims. (Cl. 254—21)



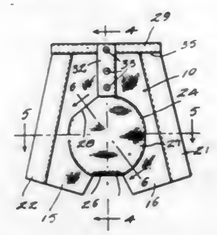
1. An implement for detaching an insulator from one side of a post comprising an elongated handle, a longitudinally split shank extending forwardly from said handle, a cross bar pivoted in the front end of said shank for engagement sidewise with said side of the post adjacent the insulator and on which said shank is swingable by said handle, a second cross bar pivoted in said shank for swinging therein parallel to the first cross bar, means on said second cross bar for attaching the same to said insulator, and means for causing said second cross bar to maintain a position parallel to the first cross bar during swinging of said shank by said handle whereby said attaching means is adapted to exert a pull on said insulator in a direction at a right angle to said post.

2,457,259
DISAPPEARING TOOTH BARS FOR CONCAVES
Fred M. Moll, West Bend, Wis.
Application November 13, 1944, Serial No. 563,279
3 Claims. (Cl. 130—27)



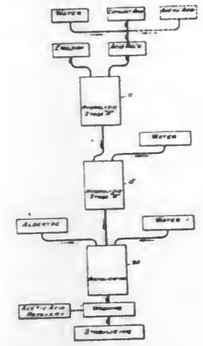
1. In a threshing machine, a concave including a plurality of pivotally supported toothed bars, the teeth of said bars being of a greater length than the distance between the bars, means for rocking said bars, and said bars having grooves for receiving teeth of adjacent bars when the bars are rocked to move the teeth to a lowered position to form a support and stop for said teeth.

2,457,260
UNDERGARMENT
William P. Morris, Hobbs, N. Mex.
Application May 2, 1947, Serial No. 745,578
2 Claims. (Cl. 128—159)



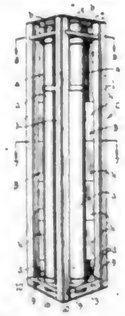
1. A garment of the character described comprising a single piece central front and rear section formed of knit material, outer leg sections formed of cloth, a waistband having dependent integrally formed fly sections, an elastic insert in said waistband, said front section having a vertically extending slot provided with an enlarged lower portion and a border of sweat absorbing material affixed to the inner side of the front knit section adjacent the opening therein.

2,457,261
POLYVINYL ACETAL RESINS
George Osman Morrison, Frederick Pettit Lossing, Albert Harold Heatley, and Joseph Frederic Leo Marcel Germain, Shawinigan Falls, Quebec, Canada, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada
Application May 16, 1945, Serial No. 594,060
In Canada August 19, 1944
1 Claim. (Cl. 260—73)



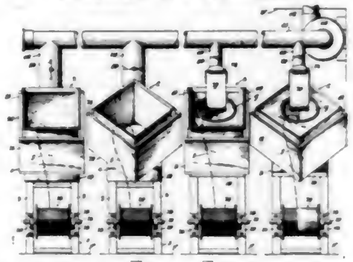
A process of preparing a polyvinyl acetal resin having a residual polyvinyl alcohol content from 9% to 30% by weight which consists in polymerizing vinyl acetate in aqueous dispersion in the presence of a water soluble partial hydrolysis product of polyvinyl acetate thereby to form an aqueous dispersion of polyvinyl acetate having a viscosity above 20 centipoises determined at 20° C. in a molar solution in benzene and containing said hydrolysis product as a dispersing agent, hydrolyzing said last aqueous dispersion in the presence of a mineral acid catalyst at a temperature within the range from 40° C. to 70° C. to form an aqueous solution of partially hydrolyzed polyvinyl acetate hydrolyzed to at least 75%, diluting said solution to form an aqueous solution containing from 3% to 7.5% of such partially hydrolyzed polyvinyl acetate, adding to said solution from 1% to 4% of sulphuric acid by weight, adding to said last-mentioned solution an aldehyde selected from the group consisting of butyraldehyde, benzaldehyde and a mixture of butyraldehyde and acetaldehyde while maintaining the reaction mixture at a temperature within the range from 0° C. to 15° C., the amount of aldehyde added being within the range from 50 to 220 parts by weight per 100 parts of partially hydrolyzed polyvinyl acetate, reacting the aldehyde with the hydrolysis product while maintaining the temperature within the range from 0° C. to 15° C. under vigorous agitation thereby to cause precipitation of partially acetalized resin as fine particles and continuing the agitation until such particles assume a condition wherein they will not, on being heated, agglomerate into a mass while such agitation is continued, then heating the charge to a temperature of 25° C. to 65° C., while continuing agitation and causing the reaction to proceed until a polyvinyl acetal resin is formed containing between 9% and 30% residual polyvinyl alcohol, washing the resin to remove acid, and stabilizing said resin by subjecting it at an elevated temperature to the action of a solution consisting of water and an alkaline substance selected from the group consisting of sodium hydroxide and potassium hydroxide.

2,457,262
SHIPPING ASSEMBLY
Glenn H. Norquist, Jamestown, N. Y.
Application October 17, 1944, Serial No. 558,980
3 Claims. (Cl. 206—65)



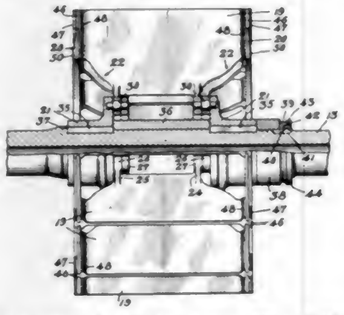
1. An article accessible shipping assembly, designed to contain and protect an article during shipment and handling including in combination, a knockdown supporting framework having a partition member adjacent each end thereof, each of said partition members having an opening therein through which one end of the article may be telescoped and removably supported by said partition members, means for removably joining each of said frame members to said partitions to removably retain said partition members in fixed spaced relationship to provide an article supporting framework unit but permitting lateral knockdown removal of said frame members from said partition members, comprising a notch adjacent each end of each of the frame members adapted to receive the adjacent edge of said partition members, and an enclosing case designed to removably contain and support said framework, comprising side wall panels and a bottom end wall panel, adapted to snugly receive said framework with the frame members thereof positioned at the inner corners of the case, and a removable cover end panel for said case.

2,457,263
SOLDERING STAND ASSEMBLY
Glenn H. Norquist, Jamestown, N. Y.
Application June 23, 1945, Serial No. 601,212
3 Claims. (Cl. 113—111)



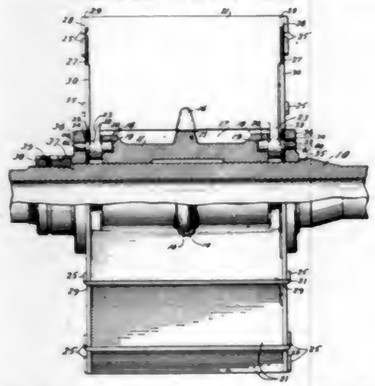
1. A soldering stand assembly including in combination, a fixed supporting structure, a holding frame adapted to contain and support the work piece to be soldered, means for rotatably mounting said holding frame on said supporting structure in inclined position to expose and make conveniently accessible the areas of the work piece to be soldered, said means including a tubular collar fixed to said supporting structure and arranged in inclined position, a tubular member fixed to the bottom wall of said holding frame and communicating with a fume exhaust opening in said holding frame, means for releasably and rotatably securing said tubular member to said fixed collar, and a suction pipe connected to said fixed collar through which the fumes generated during the soldering operation are exhausted.

2,457,264
HIGH-TEMPERATURE FAN
Carl Nygren, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application April 28, 1945, Serial No. 590,753
10 Claims. (Cl. 230—134)



1. In a centrifugal fan, a plurality of blades in circular arrangement about a common axis of rotation with the inner portions converging inwardly toward said axis and the outer portions diverging outwardly from said axis, hub members overlapping the assembled inner end portions of the blades, and means between each pair of adjacent blades for making said inner end portions of the blades fast to each other and to the hub portions to hold them against individual bodily movement outwardly due to centrifugal force and rotary movement relative to the hub portions.

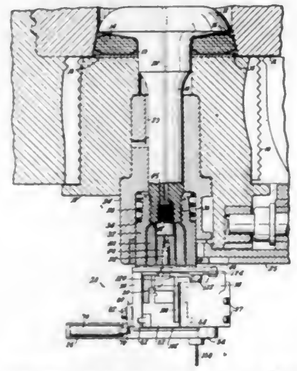
2,457,265
HIGH-TEMPERATURE FAN
Carl Nygren, Michigan City, Ind., assignor to Michiana Products Corporation, a corporation of Indiana
Application April 24, 1947, Serial No. 743,516
7 Claims. (Cl. 230—134)



1. In a high temperature centrifugal fan, a plurality of blades in circular arrangement about

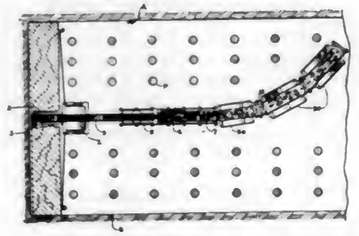
a common axis of rotation with their outer portions diverging outwardly from said axis and their inner portions converging inwardly toward said axis and terminating in spaced legs, a hub member straddled by the legs and having outwardly opening notches receiving the converging inner ends of the blades to effect a driving connection with them, and means in circular series about the axis for making the legs fast to hold the blades against individual bodily movement outwardly due to centrifugal force.

2,457,266
GUN PRIMER MECHANISM
John R. Oliver, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 20, 1945, Serial No. 606,048
8 Claims. (Cl. 89—27)



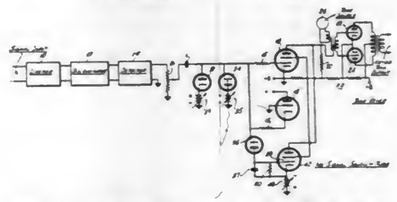
8. A primer mechanism for ordnance using separate loading ammuntion, said mechanism constituting a complete unit and including a demountable frame constructed for direct attachment to an obturator and breechblock carrier, said frame enclosing a primer holding plug, an inner block arranged to slide in a direction running transversely and longitudinally to said plug, and an outer block pivoted to said frame, and said outer block being formed to exert a wedge action on the inner block to actuate the latter.

2,457,267
COAL LOADING AND CONVEYING MECHANISM
Richard Peale, Clearfield, Pa., and Rembrandt Peale, Jr., Greenwich, Conn., assignors to themselves as trustees
Application January 29, 1945, Serial No. 575,080
7 Claims. (Cl. 214—41)



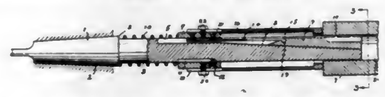
1. In apparatus for loading and conveying coal, in combination, a plurality of cars having coal-receiving bins, said cars being coupled together in a string, each car having a shaking conveying unit mounted thereon and oscillatable relatively thereto, means for coupling the conveyor units on the successive cars so that said units are movable together to convey coal the length of the string of cars, a driving unit for shaking said coupled conveying units together, and means for delivering coal from any conveyor unit into the bin of the car on which it is mounted.

2,457,268
SIGNALING
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 8, 1946, Serial No. 675,348
18 Claims. (Cl. 178—66)



1. In a signalling system in combination, an impeder across which a signal potential appears which potential varies in magnitude between maximum and minimum values separated by a substantially fixed amount, said potential being of an average value which may vary slowly to thereby change said maximum and minimum values, an electron discharge device having a control grid coupled to said impeder to be potential modulated in accordance with the signal potential through a selected substantially fixed range of substantially fixed average value, means in the said coupling for preventing changes in the average value of said signal potential from materially changing the average value of said potential modulation of said grid and means in said coupling for preventing variations in the magnitude of said potential modulation from exceeding selected maximum and minimum values.

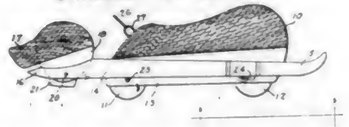
2,457,269
RECESSING TOOL
Harry J. Pfrehm, Houston, Tex.
Application January 26, 1946, Serial No. 643,574
1 Claim. (Cl. 77—58)



A recessing tool comprising, a shank, a cutter expander formed integrally with the shank and extended forwardly and provided with a deep lengthwise groove extending substantially throughout the length thereof and whose bottom is formed with an outwardly tapering face extending to the free end of the expander, an elongated cutter carrier mounted on said face and having a transverse groove and provided with a cutter and recessed in front of said cutter, a tubular bushing forming an anchor and slidable on the expander, a coil spring around the expander one end of which abuts the outer end of the anchor, said expander having a longitudinal keyway within the anchor, a key on the anchor extended into the keyway, a flexible arm within said slot

and anchored at one end to said anchor and whose other end is formed with a catch which projects into said transverse groove, a tubular spacer sleeve one end of which surrounds said anchor and is provided with longitudinal slots and whose other end is inwardly thickened and provided to abut the work, clamp screws extended through said longitudinal slots and having a threaded connection with the anchor whereby said tubular spacer may be adjusted relative to the anchor and fixed at any selected point of adjustment.

2,457,270
ANIMATED TOY
Towner H. Phillips, Portland, Oreg.
Application November 9, 1946, Serial No. 708,894
4 Claims. (Cl. 46—104)



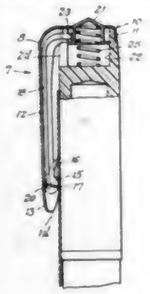
1. An animated toy mounted on wheels comprising a horizontally elongated body portion having a longitudinal groove in the bottom thereof, an elongated member positioned within said groove and extending rearwardly from said body portion to form a tail section and forwardly from said body portion to form neck and lower jaw sections, a head mounted by transverse pivot on the forward end of said elongated member to cooperate with said lower jaw section in simulation of a mouth, ears pivotally mounted on either side of said head, and means for reciprocally actuating said elongated member.

2,457,271
MODIFICATION OF PREFORMED MONOOLEFIN/CARBON MONOXIDE POLYMERS
Paul S. Pinkney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 31, 1945, Serial No. 575,560
20 Claims. (Cl. 260—66)

1. In a process for modifying monoolefin hydrocarbon/carbon monoxide polymers, said monoolefin being an acyclic hydrocarbon containing from 2 to 4 carbon atoms per molecule, the steps which comprise reacting the said polymer with from 1% to 10% by weight, based on the weight of the polymer, of a basic material of the class consisting of basic alkali metal and basic alkaline earth metal compounds, in an organic medium which is a solvent for the base and the polymer, at a temperature within the range of from 20° C. to the decomposition temperature of the said polymer, said polymer and basic material being the sole reactants, continuing the resulting reaction until a substantial, but incomplete, deoxygenation of the polymer has occurred, diluting the resulting mixture with water, and thereafter precipitating the resulting alkali treated polymer by acidifying the resulting mixture.

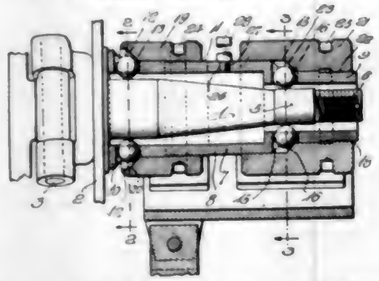
2,457,272
LOCKING CLIP
Ralph W. Pritchard, Jr., Chicago, Ill.
Application April 16, 1947, Serial No. 741,709
2 Claims. (Cl. 24—11)

1. A safety clip for an article such as a pen or pencil, which comprises in combination, a stationary clip member having an attachment portion for securement to said article adjacent the top thereof and having a clip portion extending down the side of said article and spaced therefrom so as to permit a pocket front to slip freely between said stationary clip member and said article, a pawl member pivotally attached to the lower end of said stationary clip member so that the prong portion of said pawl is directed upwardly and inwardly toward said article and may be moved into and out of engagement with a pocket front, an actuating arm fitting within



said stationary clip member, the lower end of said actuating arm being pivotally connected to said pawl member so that vertical movement of said actuating arm actuates said pawl member, a plunger member mounted on the upper end of said article, a spring in the upper end of said article normally biasing said plunger in an outward position, and means interconnecting the upper end of said actuating clip arm with said plunger; said pawl prong being normally biased into locking engagement with a pocket front and being released from said locking engagement upon depression of said plunger.

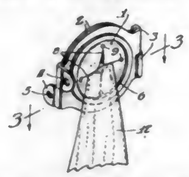
2,457,273
SPINDLE ADAPTER
Joseph C. Renfroe, Jacksonville, Fla.
Application November 17, 1947, Serial No. 786,341
4 Claims. (Cl. 308—190)



1. An axle spindle adapter comprising an elongated, cylindrical sleeve having circumferentially disposed radial passages formed therethrough adjacent its opposite ends, ball bearings in said passages, and threaded hubs or bushings having angular circumferentially disposed bearing surfaces adapted to engage said ball bearings.

2,457,274
TOWEL OR CLOTH HOLDER
Louis L. Rifken, Elgin, Ill.
Application April 24, 1947, Serial No. 743,635
5 Claims. (Cl. 248—314)

1. In a towel or cloth holder of the class described, in combination, a pair of similar base holders having aligned openings; also attachment lugs adapted to be interengaged with the opposite holders and mounting lugs, and a re-



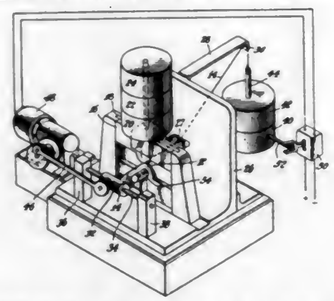
silient slitted member held between said base holders and adapted to receive a towel inserted through the opening at either side of the device and to grip the same.

2,457,275
TUBULAR LINK CONSTRUCTION
Saul Ritter, New York, N. Y.
Application April 16, 1946, Serial No. 662,544
5 Claims. (Cl. 59—79)



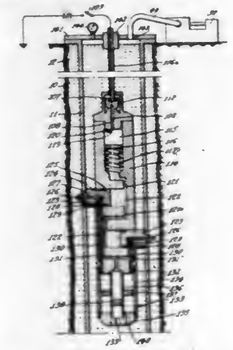
1. An expansible band comprising a plurality of telescopical links, each of said links including an outer member and an inner member, said inner member disposed in said outer member so as to be slidable from a position wherein it is substantially fully received within the outer member to a position wherein a major portion of said inner member extends from one end of said outer member, said outer member being formed from a sheet metal blank to tubular form with the opposite edges of the blank forming a longitudinal seam in a wall of said outer member, an extension adjacent to said end of said outer member and integral with one of said edges, said other edge having an aperture to receive said extension to interlock said edges.

2,457,276
STRAND TESTING
Samuel L. Ross, New Brunswick, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
Application July 17, 1945, Serial No. 605,480
6 Claims. (Cl. 73—7)



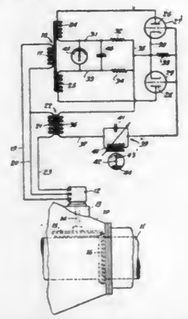
1. Apparatus for testing the abrasion resistance of a fibrous strand comprising in combination means for holding a strand, a pair of opposed members including a tooth cusp adapted to compress the strand and to yieldingly resist passage of the strand between said members and means for effecting relative movement between the strand and the members in a direction transverse to the length of the strand to cause the strand to be compressed and to pass between the members while under tension.

2,457,277
WELL CONDITIONING APPARATUS
Marcel Schlumberger, Paris, France; vested in the Attorney General of the United States
Original application August 1, 1941, Serial No. 405,024. Divided and this application June 2, 1945, Serial No. 597,217
6 Claims. (Cl. 166—1)



1. In an apparatus for working inside a bore hole, the combination of a tool adapted to be driven towards the wall of the hole, an explosion chamber containing an explosive charge, the explosion of which actuates the tool, igniting means for said explosive charge, means for controlling said igniting means, an expansion chamber, and means for making a communication between this expansion chamber and said explosion chamber, so as to control the return stroke of the tool after the working stroke has been effected.

2,457,278
FREQUENCY RESPONSIVE SYSTEM
Joseph R. Schoenbaum, Roseland, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application May 12, 1945, Serial No. 593,524
7 Claims. (Cl. 172—245)



1. In a frequency deviation responsive system, a multi-phase source of alternating current, the phases of which are in fixed phase relationship, an electrical device having a natural frequency,

a vacuum tube bridge including two grid-containing electron tubes in two arms thereof with the plate-cathode circuit of each serially connected in its respective arm, and load impedances in the other two arms, a first circuit means for impressing the voltage of one phase of said source upon both grids of said electron tubes in unison, a second circuit means for impressing an alternating current voltage derived from another phase of said source upon each of the electron tube arms, the phase relation of said arm voltages with respect to said grid phase voltage being leading and lagging by equal angles at the source, means for including at least part of said device in series with one only of said circuit means to cause a phase shift in said one circuit means when the source frequency deviates from the natural frequency of the electrical device, means for establishing a connection between the midpoint of said load impedances and the midpoint of said tube arms, and means sensitive to and acting in response to the magnitude and direction of the average voltage drop across said load impedances.

2,457,279

MODIFICATION OF PREFORMED MONOOLEFIN/CARBON MONOXIDE POLYMERS BY REACTION WITH BASIC COMPOUNDS

Samuel L. Scott, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 31, 1945, Serial No. 575,559
20 Claims. (Cl. 260—66)

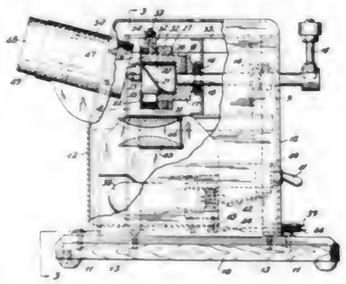
1. A process for modifying monoolefin/carbon monoxide polymers which comprises reacting a monoolefin hydrocarbon/carbon monoxide polymer with a basic compound, said polymer and basic compound being the sole reactants, at a temperature below the decomposition temperature of the said polymer, said monoolefin having from 2 to 4 carbon atoms per molecule, whereby a modified monoolefin/carbon monoxide polymer is obtained.

2,457,280

PROJECTION APPARATUS FOR CHANCE SELECTED INDICIA

Harold E. Seaman, Cleveland Heights, Ohio

Application February 21, 1947, Serial No. 730,125
3 Claims. (Cl. 88—24)



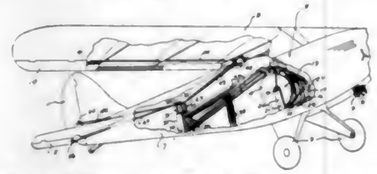
1. In apparatus of the character described, a horizontal shaft having a head, means for rotating said shaft and returning it to a predetermined angular position, said head having a flat portion adjacent its normally upper side, a ring loose upon said head, said ring having a series of image forming sections, each of which has an internal and an external flat, each of said internal flats being adapted to engage the flat portion of said head, means for causing a beam of light to impinge upon a section occupying a predetermined angular position, and for projecting said beam, and a yieldable member biased toward said ring having a flat surface adapted to ride against the ring as the latter revolves and by engagement with an external flat to center a ring section with respect to said light beam when the ring comes to rest.

2,457,281

CONTROL MECHANISM FOR MODEL AIRPLANES

John K. Shannon, Kenosha, Wis.

Application May 11, 1946, Serial No. 669,021
2 Claims. (Cl. 46—78)



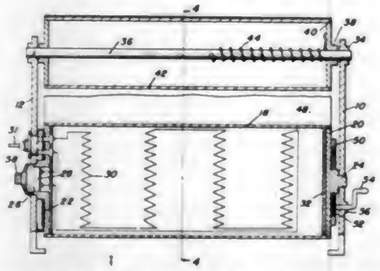
1. In a toy vehicle having a pivoted control surface, a spiral cam track provided on its periphery with lobes and valleys, means for rotating said cam track, a pivoted spring pressed lever engaging said cam track and movable therealong during the rotation thereof, said lever being adapted to rise and fall different distances during its travel on said cam track by said lobes and valleys, and means operatively connecting the lever to the pivoted control surface for swinging the same, said cam track including a plurality of detachable cam track sections of different peripheral configurations.

2,457,282

MATRIX DRYING AND ROASTING MACHINE

Oscar R. Simmons, Topeka, Kans.

Application June 19, 1947, Serial No. 755,677
3 Claims. (Cl. 219—19)



1. In a matrix drying and roasting machine including a pair of side members, a hollow cylindrical member having end plates, heating coils mounted within said cylindrical member, and a spring tensioned roller journaled between said side members, bearings carried by the end plates of said oven rotatably engaging the side members, one of said bearings being hollow to receive a thermal controlled unit for the heating coils of said oven, an internally toothed ring gear fixed to one end plate of said oven, a crank handle carried by one of said side members, a pinion carried by said crank handle engaging said ring gear, an electrical connection carried by said remaining side member, conductive members

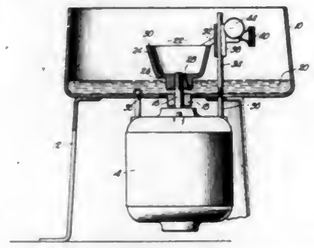
carried by said remaining end plate and connected to the heating coils, said conductive members engaging said electrical connection, and a shield carried by said last mentioned side member embracing and shielding said conductive members.

2,457,283

TUNGSTEN CARBIDE TOOL GRINDER

Frank P. Slater, Kansas City, Mo.

Application January 14, 1946, Serial No. 641,121
3 Claims. (Cl. 51—125)



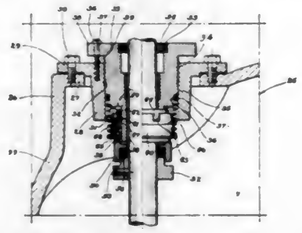
1. In a tool grinder of the character described, a reservoir for liquid coolant; a grinding element rotatably mounted in the reservoir with a portion thereof below the level of the liquid; and means for directing the liquid toward one surface of the element as the element is rotated, said means comprising a duct formed in the element with one end thereof below the surface of the liquid, the said duct being inclined with respect to the axis of rotation of the element and with the said one end of the duct leading the remaining portion thereof as the element is rotated in one direction.

2,457,284

ADJUSTABLE FLUID SEAL

Archie J. Solari, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois

Application September 24, 1945, Serial No. 618,102
3 Claims. (Cl. 286—11)



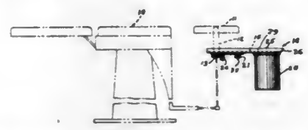
1. A sealing device for relatively rotatable members which comprises a sealing ring, an adjustable abutment for the ring on one of the members, a seal sub-assembly including an axially movable washer, and means for mounting the sub-assembly on the other member, said other member having a threaded opening therein, said means including a sleeve insertable into the threaded opening around the first-mentioned member and having threads cooperating with the threads of the opening, means for effecting a seal solely between the sleeve and the mounting means, an axial extension on the sleeve aligned with a portion of the ring, means for sealing the washer with respect to the extension, said sub-assembly being compressible such that the extension may be advanced by means of the threads into contact with the ring after the washer has contacted the sealing ring, and means for locking the sleeve against rotation, thereby to fix the sleeve axially relative to the ring.

2,457,285

TRAY

Harvey A. Stepner, Richmond Hill, N. Y.

Application May 14, 1946, Serial No. 669,720
1 Claim. (Cl. 155—188)



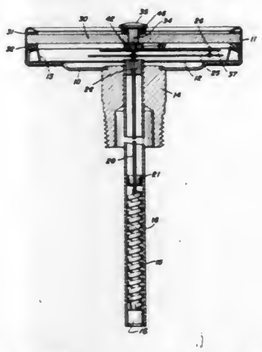
In a tray adapted for use with the foot rest of a chiropodist's chair and including means detachable mounting said tray on said foot rest in forwardly subjacent relation thereto, the improvement comprising a plane surface on said tray, said surface being formed with a waste disposal aperture therein, a depending annular flange integral with said tray and surrounding said aperture, a waste receptacle for said tray, said receptacle being formed with an open top, and said flange and said top including complementary means for readily detachably connecting said receptable to said flange below said aperture.

2,457,286

MAXIMUM DEMAND INDICATOR

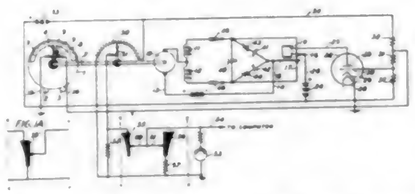
Reidar A. Tollefsen, Brighton, and Robert A. Hunt, Greece, N. Y., assignors to Rochester Manufacturing Company, Rochester, N. Y., a corporation of New York

Application November 28, 1947, Serial No. 788,748
9 Claims. (Cl. 116—129)



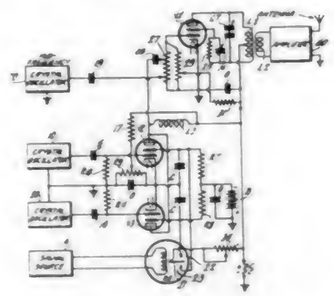
4. A dial gauge comprising a rotary indicating pointer which is movable in the operation of the gauge, a supporting member, a recording pointer, which is made of a magnetically attractable material, journaled on said supporting member, means for moving the recording pointer in one direction on movement in one direction of the indicating pointer, and a ring made of permanently magnetized material mounted on said supporting member to surround the hub of the recording pointer to hold the recording pointer in any position to which it may be moved by the indicating pointer.

2,457,287
AIR-SPEED INDICATING SYSTEM
Charles H. Townes, Delray Beach, Fla., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 7, 1944, Serial No. 543,935
4 Claims. (Cl. 73—182)



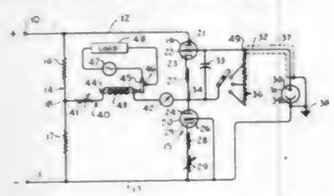
1. A system for producing an electrical quantity proportional to true air speed in air of known temperature and pressure comprising in combination an air speed indicating instrument having an indicating element, a source of voltage, means for continuously deriving a voltage from said source proportional to the movement of the indicating element of said instrument, an electrical circuit including said source of voltage, said voltage deriving means and means for modifying the derived voltage from said source, said last-named means comprising a variable resistance having a variable element, and means for determining the variation of said resistance comprising in combination a stationary scale and a scale movable with the variable element of said resistance adjacent said stationary scale, one of said scales being calibrated in terms of temperature and the other of said scales being calibrated in terms of altitude.

2,457,288
FREQUENCY SHIFT KEYING
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application February 11, 1944, Serial No. 521,907. Divided and this application February 7, 1946, Serial No. 646,069
7 Claims. (Cl. 250—8)



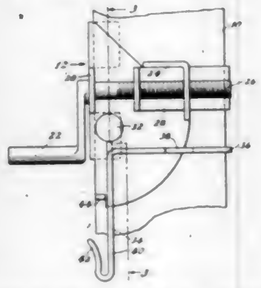
5. The method of signalling by frequency shift keying which includes these steps, producing oscillatory energy the frequency of which is readily variable, producing oscillations of a first and substantially fixed frequency, entraining said first mentioned oscillations by said second mentioned oscillations, generating oscillations of a second and substantially fixed frequency higher than the frequency of said first oscillations of substantially fixed frequency, generating oscillations of a third and substantially fixed frequency lower than the frequency of the first mentioned oscillations of fixed frequency, entraining said oscillations of readily variable frequency alternately in accordance with said oscillations of second and third fixed frequency, generating signalling currents the characteristic of which alternates from a condition indicating mark to a condition indicating space and vice versa, and controlling the entraining of said oscillations of readily variable frequency by said oscillations of said second and third substantially fixed frequency in accordance with changes in the character of said signals.

2,457,289
PHOTOTUBE CONTROL-TEMPERATURE INDICATING APPARATUS FOR FURNACES
Alan Warnick, Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application January 16, 1948, Serial No. 2,784
12 Claims. (Cl. 250—41.5)



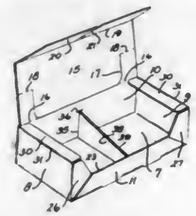
1. An electrical circuit for temperature control comprising an electrical bridge circuit including two series resistors and two series vacuum tubes connected in series, one of said tubes being provided with grid and cathode elements, a current source connected to the respective junctions of each tube and the adjacent series resistor, and a load circuit between the junctions of the respective resistors and tubes, means in the bridge circuit for balancing the bridge at a selected temperature level, and means for unbalancing the bridge at another temperature level, said means comprising a phototube connected to said grid and in parallel with the other of said tubes, whereby variation of current in said phototube controls the voltage of the tube grid.

2,457,290
PAINT BUCKET BRACKET
William H. Welsh, Detroit, Mich.
Application May 23, 1946, Serial No. 671,877
2 Claims. (Cl. 248—210



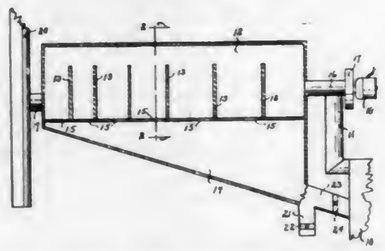
1. A device of the character described, comprising a hanger plate, parallel U-shaped arms on said plate at the top and bottom edges thereof for engaging a support, a crank, means on said plate for journalling said crank therein, a clamp threadably mounted on said crank for engaging the opposite side of said support, and an arm on said plate for supporting a paint bucket and paint brushes thereon.

2,457,291
CARTON AND DISPLAY STAND
Frederick W. Wenzel, Milwaukee, Wis., assignor to Hummel & Downing Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 10, 1945, Serial No. 577,270
5 Claims. (Cl. 229—27)



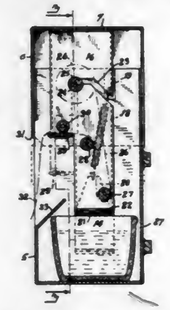
1. In a carton, the combination with a tray portion having a bottom and front, rear and end walls, the rear wall having upright slit means, of rear reenforcing panels connected to the respective end walls and extending therefrom behind the rear wall toward said slit means, partition plies connected with said panels and extending through said slit means and forwardly across said bottom, and means interlocking the extremities of said partition plies with said front wall, the rear wall being provided with a cover panel in hinged connection therewith having at its free margin a slit terminal flap, said cover panel being transversely foldable substantially upon its longitudinal center line, and the slit portion of its flap being adapted for interlocking engagement with the partition plies.

2,457,292
SMOKE AND SOOT ELIMINATOR
Roger F. Williams, Des Moines, Iowa
Application February 27, 1946, Serial No. 650,654
2 Claims. (Cl. 183—110)



1. In a device of the class described, a housing, a plurality of spaced apart vertical baffle walls inside said housing each extending from the bottom of said housing and terminating a distance from the top of said housing to provide a straight uninterrupted flow of gases above them, soot outlet openings in the bottom of said housing, a conduit communicating with the inside of said housing at a point below the top planes of said baffle walls and its other end communicating with the inside of a combustion chamber, an outlet pipe having one end communicating with the outside atmosphere and its other end communicating with the inside of said housing at a point below the top planes of said baffle walls, a collecting compartment on the bottom of said housing communicating with said openings and having its bottom sloping toward and communicating with the inside of said combustion chamber, a means for closing the inside of said collecting compartment from said combustion chamber at times, an outlet conduit communicating with the inside bottom of said collecting compartment, and a means for closing said last-mentioned conduit at times.

2,457,293
TOWEL PAPER MOISTENER AND DISPENSER
Godfrey K. R. Winzer, Seattle, Wash.
Application August 25, 1947, Serial No. 770,402
5 Claims. (Cl. 91—14)

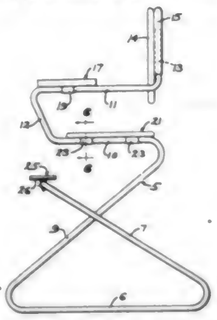


1. A device of the character described, comprising upper and lower box-like members interconnected at their open ends for telescopic movement, a liquid reservoir supported on the bottom of the lower member, means for limiting the telescopic movement of the members in both directions, means comprising springs operatively interconnecting the two members to normally hold them in maximum extended position, two spaced brackets secured to and extending downwardly from the top of the upper member, a roller supported for rotation by the brackets near their upper ends for supporting a roll of towel paper thereon, a roller interconnecting the lower ends of the brackets, a roller interconnecting the brackets between the upper roller and the lower roller, the last named roller being spaced to one side of a plane passing through the upper and lower rollers, a cross bar interconnecting the brackets below the last roller, forming a space through which the paper may pass, means between the last roller and lower roller for guiding the paper into said space, and a serrated lower edge on the front side of the upper box-like member for severing the paper.

2,457,294
HIGH CHAIR CONSTRUCTION
Halbert M. Wood, Madison, Wis.
Application August 12, 1946, Serial No. 690,059
3 Claims. (Cl. 155—196)

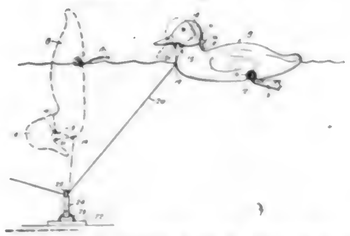
1. In a high chair construction, a frame embodying sections constructed of lengths of tubular material formed to provide vertical ends, a back, a tube secured to the back, the ends of the

tube being vertically disposed and in which the vertical ends of the frame sections are secured, the opposite ends of the frame sections being extended inwardly, a footrest, a tube secured to the



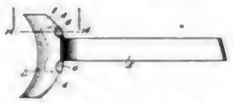
footrest and adapted to receive the inwardly extended ends of the frame sections, and said back and footrest securing the sections of the frame together.

2,457,295
DUCK DECOY
John A. Woodhead, Swarthmore, Pa.
Application January 14, 1944, Serial No. 518,229
6 Claims. (Cl. 43—3)



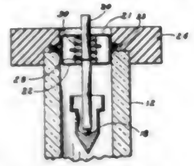
1. A duck decoy comprising a body, and a pair of foot members movably mounted on said body, by a pair of spirally wound flat metal springs, each spring having one end secured to said body and the other end attached to the respective foot member.

2,457,296
TRIGGER FOR FIREARMS
Victor G. Yawman, Rochester, N. Y., assignor to Yawman Metal Products, Inc., Rochester, N. Y., a corporation of New York.
Original application May 10, 1943, Serial No. 486,442. Divided and this application February 14, 1946, Serial No. 647,619
4 Claims. (Cl. 42—69)



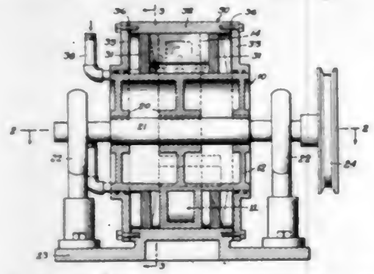
1. A trigger comprising a sheet metal finger hold portion substantially U-shaped in transverse section, to provide a rearwardly opening channel, and a sheet metal loop-shaped extension, said extension having end portions in parallel engagement with each other secured in and substantially filling a material part of the length of the channel of said portion to extend outwardly therefrom.

2,457,297
FLUID METER
Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application November 10, 1944, Serial No. 562,779
1 Claim. (Cl. 73—209)



A measuring device of the character described comprising an upright, transparent flow tube having a tapered passage with its lower end forming the supply portion and its upper end forming the discharge portion for the respective supply and discharge of a gaseous fluid, a support for said tube, a float in said tube responsive to the rate of flow of fluid through the tube, said float being cup shaped with a hollow upper portion and an imperforate lower wall the upper surface of such wall providing an upwardly and outwardly flaring central recess inside the float, a stem extending only partly down the tube and having its lower portion rounded and adapted to enter the hollow upper portion of the float in contact with the recess in the float's imperforate lower wall, and a spring carried at the upper end of said tube and yieldingly supporting said stem to gradually absorb the impact of the float.

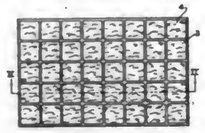
2,457,298
ROTARY AXIAL VANE COMPRESSOR
David Lewis Ball, San Luis Obispo, Calif.
Application October 5, 1944, Serial No. 557,248
3 Claims. (Cl. 230—152)



1. In a machine of the character described, a vane comprising an outer member having a convex top edge, an inner member having a concave bottom edge, a shim positioned between the two members, and means holding said members and said shim together.

2,457,299
SURFACE COVERED STRUCTURE AND SURFACE COVERING THEREFOR
George K. Biemesderfer, Jr., Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application January 11, 1944, Serial No. 517,858
2 Claims. (Cl. 175—264)

1. A flexible surface covering of the type capable of being rolled for shipment and installation comprising a non-conductive, flexible backing, flexible strips of electrically conductive plastic sheet material overlying and secured to the backing in closed spaced relationship, said strips being electrically connected into a current conducting grid, and inlays of flexible composition in sheet

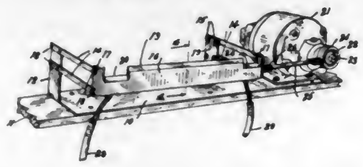


form secured to the backing and filling the openings in said covering and terminating in the plane of the upper surface of the grid, said grid, inlays and backing being consolidated into a unitary final structure capable of being rolled for shipment.

2,457,300
LOWER POLYMER OF GLYCIDYL SORBATE AND METHOD OF MAKING IT
Albert Bernard Boese, Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application September 24, 1946, Serial No. 699,076
6 Claims. (Cl. 260—348)

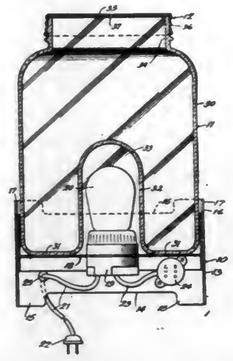
1. As a new composition of matter a mixture of lower polymers of glycidyl sorbate.

2,457,301
MACHINE FOR REMOVING THE WAX CAPS FROM HONEYCOMBS
William T. Brand, Beemer, Nebr.
Application October 4, 1946, Serial No. 701,268
1 Claim. (Cl. 6—12)



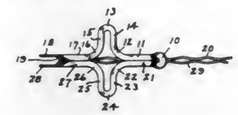
A honey capping device comprising: a base plate; two flat, upstanding posts extending upwardly from said base plate adjacent one side thereof in parallel, spaced relation, with their planes at right angles to the long axis of the base plate; a pair of horizontal, resilient arms secured to and extending from each post over said base plate; a knife blade; rearwardly turned extremities on said knife blade forming terminal flanges thereon; means for fixedly securing each terminal flange to one pair of arms so as to support said knife blade in a vertical plane parallel to the axis of said base plate, the resiliency of said arms allowing said blade to reciprocate longitudinally and horizontally; means for heating said knife blade; a connecting rod fixedly secured at one extremity of said knife blade, said rod comprising an elongated, flat, resilient member lying in a horizontal plane so that its projecting extremity may flex vertically; a motor mounted on said base plate adjacent one extremity thereof; a cam operated by said motor; means for communicating the eccentric motion of said cam to said connecting rod; and a sharpened upper edge of said knife blade, there being notches in said blade at each extremity of said edge to receive the side members of a honeycomb.

2,457,302
DISPLAY DEVICE FOR FOODSTUFFS
Harold E. Christensen, Wilmette, Ill., John J. Stein, Cleveland, Ohio, and Arthur S. Kester, Chicago, Ill.
Application October 11, 1945, Serial No. 621,746
2 Claims. (Cl. 219—45)



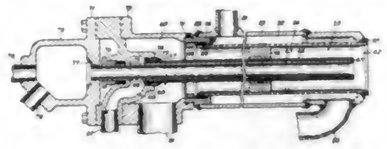
1. A food crisping and display device for displaying and crisping foodstuffs comprising a base having an electric light socket facing upwardly from the base for receiving an electric light bulb to provide a source of heat and light, and a transparent container for the foodstuffs carried by the base and including a recess in the bottom thereof for accommodating the electric light bulb to heat and illuminate the container for displaying and crisping the foodstuffs therein, an opening at the top of the container to provide access into the container for dispensing the foodstuffs and a cover for the opening.

2,457,303
HAIR CURL PIN
Donald Odell Cross, Evansville, Ind.
Application August 31, 1946, Serial No. 694,373
8 Claims. (Cl. 132—46)



1. A hair curl pin comprising a pair of hair gripping members normally lying side by side; an upper member extending in part at least laterally across over the said pair of members; and means yieldingly interconnecting said upper member with rear end portions of said pair of members; whereby said pair of members may yieldingly, compressibly straddle a hank of hair adjacent the scalp and said upper member compressibly retain a curl of hair extending from said hank in a flattened condition over said pair of members; said pair of members being normally pressed one toward the other and rear end portions thereof being normally spaced one from the other whereby squeezing together of those rear end portions will rock apart the forward ends of said pair of members; said interconnecting means comprising laterally spaced, substantially arcuate extensions of said pair of members, upper forwardly turned ends of which extensions connect with said upper member.

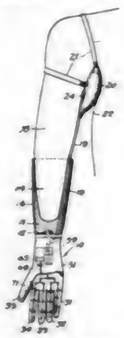
2,457,304
ATOMIZING FUEL BURNER WITH COOLING JACKET
John Marshall Crowe, Covington, Ky.
Application January 23, 1945, Serial No. 574,049
9 Claims. (Cl. 158—11)



1. In a burner of the class described, the combination of a burner body including a cooling jacket, tubular in form and having an open passageway axially within it, a fuel tube extending longitudinally through said passageway, and having a fuel inlet end and an outlet end, fuel atomizing means at the inlet end of the fuel tube, a second tube surrounding the fuel tube in spaced relationship, to provide a heating fluid chamber extending substantially from end to end of the fuel tube, said heating fluid chamber being open at the outlet end of the fuel tube for discharge of heating fluid in the direction of the fuel discharge, and means for directing a heating fluid into said chamber.

7. In a burner of the class described, the combination of a burner body including a cooling jacket tubular in form and having an open passageway axially within it, a fuel tube extending longitudinally through said passageway, and having a fuel inlet end and an outlet end, fuel atomizing means at the inlet end of the fuel tube, a second tube surrounding the fuel tube in spaced relationship, to provide a heating fluid chamber extending substantially from end to end of the fuel tube, said heating fluid chamber being open at the outlet end of the fuel tube for discharge of heating fluid in the direction of the fuel discharge, and means for directing a heating fluid into said chamber, said second tube being spaced from the cooling jacket to provide a passageway therebetween terminating in a discharge port at the outlet end of the fuel tube, and terminating in a gas entry port near the opposite end of the fuel tube, and means for feeding gas under pressure to said entry port.

2,457,305
ARTIFICIAL HAND
Frank L. Dale, New York, N. Y.
Application January 30, 1946, Serial No. 644,359
1 Claim. (Cl. 3—12)

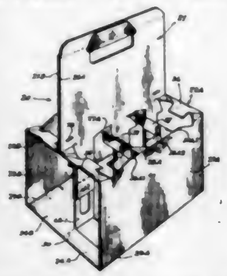


In an artificial hand having a thumb and four fingers, members for closing each finger, each of said members engaging one end of one of a pair of arms, linkage between said pair of arms and a third arm and additional linkage between said third arm and a lever, means for operating said lever to transmit through said linkage and said arms tension on said retractable members to close said hand, said means comprising a pair of cylinders mounted in said hand, pistons in said cylinders, one of said pistons having a shaft engaging said lever and means for forcing air into the other of said cylinders to force fluid from said cylinder into the other cylinder to operate the piston in said cylinder comprising a bag worn between the arm and body of the wearer, a valve in said bag controlled by the wearer and a tube communicating from said bag to said cylinder whereby the exertion of pressure against said bag will force air out of said bag through said tube into said cylinder to operate said pistons.

2,457,306
SYNTHETIC POLYMERS OF HEXADIENE-1,5
Henry Dreyfus, London, England; Claude Bonard, administrator of said Henry Dreyfus, deceased, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 22, 1944. Serial No. 519,361. In Great Britain December 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 2, 1962
5 Claims. (Cl. 260—93)

1. Process for the manufacture of polycyclic unsaturated synthetic resins which are solid at temperatures below 120° C., which comprises heating hexadiene-1:5 in the absence of other unsaturated hydrocarbons to a temperature of 150° C.–180° C. until a polymer of melting point lower than 100° C. has been formed, and then heating this low melting polymer to a temperature of 180° C.–220° C. for at least three hours by means of a phenol as heating liquid, the whole of the process being carried out under non-oxidizing conditions.

2,457,307
BOTTLE CARRIER
Maynard G. Hall, Rutherford, and Thomas Hurban, Jr., Hasbrouck Heights, N. J., assignors to Empire Box Corporation, Garfield, N. J., a corporation of Delaware
Application July 12, 1945, Serial No. 604,654
15 Claims. (Cl. 224—45.2)

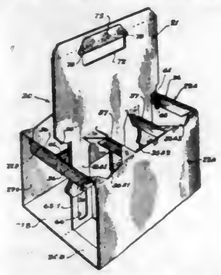


7. A pre-formed bottle carrier formed from cardboard or like material and adapted to receive bottles of predetermined height and comprising side walls, a bottom wall, a handle portion comprising juxtaposed panels, and bottle receiving sections extended between the side walls and the respective panels of said handle portion whereby the handle portion is disposed above said bottom wall substantially midway between said side walls, said bottle receiving sections having bottle receiving openings therein, bottle cushioning flaps cut from said bottle receiving sections and disposed to depend in opposed pairs from the respective panels of said handle portion in alignment therewith, said handle portion including a part which may extend above the tops of bottles of said predetermined height that are disposed in said bottle receiving openings and rested on said bottom wall, said part having a handle opening therein, said flaps having the lower edges thereof normally spaced from said bottom wall sufficiently to enable limited downward movement of said handle portion to thereby enable the upper free end of said handle portion to be moved downwardly substantially into alignment with the tops of the bottles whereby said part of said handle portion may be depressed so as not to interfere with the stacking of one bottle carrying carrier of the aforesaid character directly over and upon the tops of bottles in another such carrier, connecting links cut from the material of said bottom wall and connected thereto substantially midway between said side walls, said connecting links having longitudinally extended slots formed therein, and said links being extended upwardly so as to project between the pairs of bottle cushioning flaps, and means extended through each pair of bottle cushioning flaps so as to extend through the slot of the related connecting link to thereby afford lost-motion weight-supporting connections to support the weight of said bottles directly from said handle when said handle is in its upper position and allow depressing movement of said handle as aforesaid when one carrier is to be stacked upon another.

15. A pre-formed collapsible bottle carrier formed from cardboard or like material and comprising a bottom wall, side walls, a handle portion, and bottle receiving sections extended between said side walls and said handle portion, each of said bottle receiving sections comprising a plurality of webs arranged at spaced intervals therein to afford bottle receiving openings in the sections between said webs, said webs having ends thereof respectively connected to the handle portion and a side wall along score lines, the webs at the ends of said bottle receiving sections having the score lines along which they are connected to the side walls disposed at such an angle to the longitudinal axis of such webs that the inner ends of such last mentioned score lines are disposed closer to said bottom wall than the outer ends of such last mentioned score lines, and such end webs also having a plurality of other score lines formed adjacent to the fold line that joins the end webs to said handle portion and extending from the outer edge of said webs inwardly at an angle to said last mentioned fold line and in diverging relation to each other, and a flap formed on each of said end webs and extended into the adjacent bottle receiving opening for engagement by a bottle as it is loaded into such opening to tilt the related web inwardly and downwardly in a predetermined amount as the bottles are loaded into the carrier.

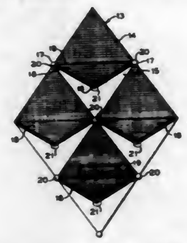
2,457,308
BOTTLE CARRIER
Maynard G. Hall, Rutherford, and Thomas Hurban, Jr., Hasbrouck Heights, N. J., assignors to Empire Box Corporation, Garfield, N. J., a corporation of Delaware
Application November 9, 1945, Serial No. 627,680
4 Claims. (Cl. 224—45)

3. A pre-formed collapsible bottle carrier formed from cardboard or like material and comprising a bottom wall, side walls, a handle portion, and bottle receiving sections extended between said side walls and said handle portions, each of said bottle receiving sections comprising a plurality of webs arranged at spaced intervals therein to afford bottle receiving openings in the sections between said webs, all of said webs having ends thereof connected to a side wall along score lines, and those webs that are spaced from the ends of said carrier being connected to said handle section along score lines, the webs at the ends of said bottle receiving sections having the score lines along which they



are connected to the side walls disposed at an angle to the longitudinal axis of such webs, and each of such end webs also having another score line formed adjacent to the fold line that joins the end webs to the side wall and extending from the outer edge of said web inwardly at an angle to said last mentioned fold line and in diverging relation to each other, said end webs being severed from said handle section at the ends thereof that are spaced from said side walls, securing flaps cut in part from the material of said handle section and joined along fold lines to said last mentioned ends of said end webs, and means securing said securing flaps together.

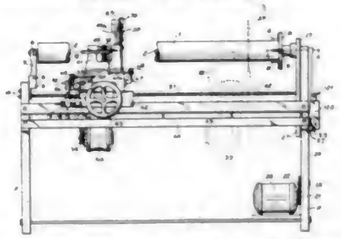
2,457,309
CHANGEABLE DECORATIVE FABRIC
Atha-Lane Joyce, Washington, D. C.
Application August 23, 1946, Serial No. 692,548
3 Claims. (Cl. 2—278)



1. A fabric comprising at least four individual units secured together, each of said units comprising two pieces of cloth of the same size and shape and different color, said two pieces of cloth being secured together along their edges over a portion of the length thereof and having their remaining portions oppositely disposed, the resulting double thickness portion being foldable from one extreme position to another along a line connecting the terminations of the secured portions, the single thickness portions of the unit being secured to an adjacent single thickness portion of a corresponding unit of the same size and shape, at least four of these units being

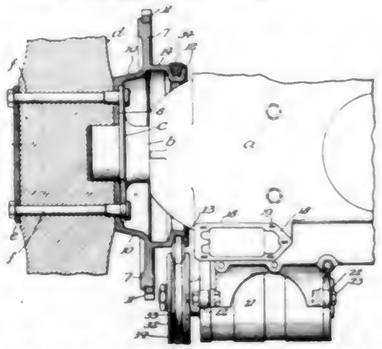
secured together to produce a decorative panel or piece of fabric of the desired size and shape, fastening means secured on the fabric, cooperative fastening means secured to the foldable portion of each unit, said foldable portion being secured in either one or the other extreme position by said fastening means whereby upon such movement and fastening the appearance of the fabric is materially changed as by design, color or both.

2,457,310
CUTTING MACHINE
David N. Judelshon, Park Ridge, N. J.
Application January 21, 1947, Serial No. 723,235
9 Claims. (Cl. 164—69)



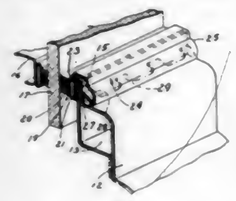
5. A cutting machine which has a frame and a support for the material which is to be cut, a knife-carriage which is movable to-and-fro relative to said frame in a selected path, knife-carriage guide means for guiding said knife-carriage to move in said selected path, a knife head pivoted to said knife-carriage, a knife mounted in said knife head, a gage-carriage slidable on respective gage-carriage guide-means relative to said frame in said selected path and also slidable towards and away from said knife-carriage in said selected path, a stop fixed to said knife-carriage, said stop being located to abut said gage-carriage to limit the movement of said knife-carriage away from said gage-carriage, and gage-carriage holding-means for holding said gage-carriage releasably fixed to said frame.

2,457,311
STARTING AND GENERATOR-DRIVING MECHANISM FOR ENGINES
Robert S. Kidd, Williamsport, Pa., assignor to Avco Manufacturing Corporation, a corporation of Delaware
Application January 19, 1945, Serial No. 573,529
4 Claims. (Cl. 170—135.75)



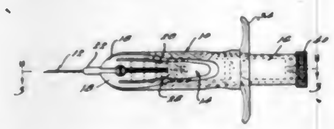
1. The combination with an engine including a casing and a power output shaft; a propeller fixedly mounted on the outer end of said shaft; an engine starter mounted on the casing; an electric generator movably mounted on the casing; of a combined demountable unit secured to rotate with the shaft and the propeller, for driving the generator from the engine and driving the engine from the starter, the unit including a wheel for driving the generator and a gear engageable by the starter, said gear and wheel being both coaxial with the shaft and disposed between the propeller and the engine casing.

2,457,312
WEATHERSTRIP MOLDING
Clarence F. Kramer, Birmingham, Mich.
Application July 30, 1945, Serial No. 607,767
7 Claims. (Cl. 296—44.5)



7. An article of manufacture comprising a sealing strip retainer having a wall adapted to extend along the inner side of a welding flange or the like of a window opening and having a base portion adapted to extend laterally outwardly over the edge of the flange, and a channel shape molding having one edge portion embracing the base portion of the retainer and having its other edge portion notched out at linearly spaced points to provide prongs which are adapted to engage the welding flange to hold the assembly thereon.

2,457,313
HYPODERMIC SYRINGE
Marshall L. Lockhart, Rutherford, N. J.
Application March 5, 1945, Serial No. 580,988
6 Claims. (Cl. 128—220)

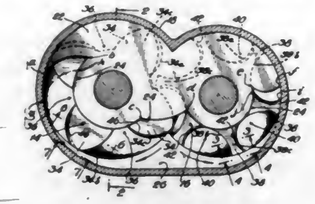


4. As an article of manufacture, an ampule comprising a tubular body, an end wall permanently closing one end of the same, the opposite end of said body being open and screw threads of a diameter larger than said body and disposed adjacent the closed end of the same.

2,457,314
ROTARY SCREW WHEEL DEVICE
Alf Lysholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application August 12, 1943, Serial No. 498,321
7 Claims. (Cl. 230—143)

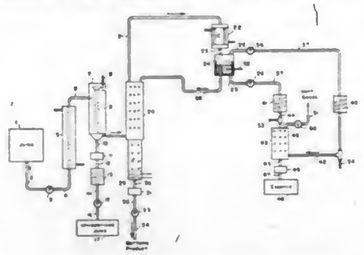
1. A rotary device comprising a casing and intermeshing male and female rotors mounted for rotation in said casing, said rotors being provided with helical lands and grooves, the lands

of the male rotor having convexly curved flanks at least the major portions of which lie outside the pitch circle of the rotor, the lands of the female rotor having concavely curved flanks at least the major portions of which lie inside the pitch circle of the rotor and the lands of both of said rotors having inlet end surfaces extending transversely of the axes of the rotors, said casing having inlet and outlet ports and including a ported inlet end wall cooperating with said inlet end surfaces of the lands to alternately open and



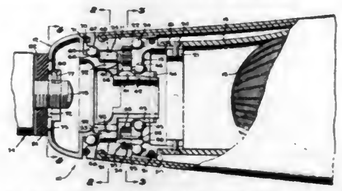
close the inlet end of each of said grooves as the rotors revolve, the inlet end surface and the leading flank of each land of at least one of said rotors being joined by a chamfer extending generally transversely of the axis of rotation of the rotor along the curved line of juncture of said inlet end surface with said leading flank and the apex edge of said leading flank extending without change of helix angle from a point on the rotor remote from the inlet end of the rotor to or closely adjacent to the inlet end surface of the land.

2,457,315
VOLATILE FLAVOR RECOVERY PROCESS
Howard P. Millerville, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture
Application September 17, 1945, Serial No. 616,953
2 Claims. (Cl. 99—205)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



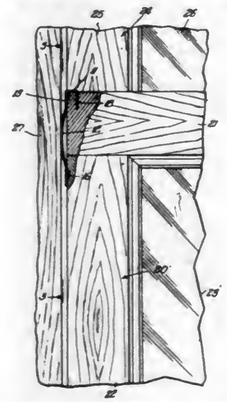
1. A process for recovering the volatile flavors from a fruit juice, comprising vaporizing a portion of the juice, which vaporized portion contains water vapors, volatile flavors, and noncondensible gases, removing the bulk of the water vapors from the vaporized portion by fractional distillation, condensing the remaining vapors to form a liquid condensate without condensing the noncondensible gases and volatile flavors associated therewith, and recovering substantially all the volatile flavors by contacting the noncondensible gases and gaseous volatile flavors with the liquid condensate at a pressure not less than atmospheric to remove the volatile flavors from the noncondensible gases by dissolving said flavors in the condensate to give at least a 25-fold essence.

2,457,316
PROSTHETIC WRIST
John K. Northrop, Los Angeles, and Michael J. Nagy, Inglewood, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application November 18, 1946, Serial No. 710,500
10 Claims. (Cl. 3—12)



9. A prosthetic wrist for use in partial amputation of the forearm, comprising a first member adapted for connection to the upper arm of the user and held thereby against turning, a second member rotatable with respect to said first member and adapted for connection to the forearm stump to be turned thereby, a third member adapted for connection with a prosthetic hand, means for supporting said third member for rotary movement relative to said first member about an axis disposed longitudinally of said second member and the stump, rotary motion transmitting means operable independently of the length of the stump for transmitting rotary motion at an arbitrarily selected increased speed ratio between said second member and said third member, an input for said rotary motion transmitting means responsive to rotary motion of said second member, and an output for said rotary motion transmitting means for imparting rotary motion to said third member at said increased speed ratio, said rotary motion transmitting means and said input and said output therefor being disposed along said axis and within the longitudinal space between said second member and said third member.

2,457,317
WINDOW CLAMP
Marvin R. Olsen, Glen Ellyn, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 14, 1946, Serial No. 654,339
4 Claims. (Cl. 292—76



1. In an anti-rattling device for windows and the like, an integral strip of metal, including a leg

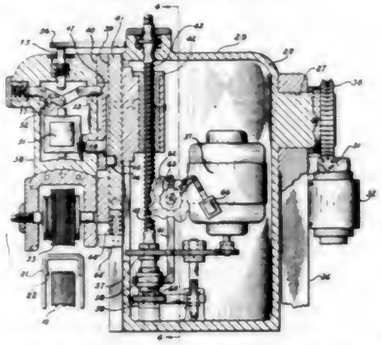
portion and a right angle flange portion at one end of the leg portion, an arcurate section formed in the leg portion by bending the same outwardly centrally thereof in a direction opposite to that of the flange portion, securing means provided by the flange portion and comprising a spike disposed at right angles to the flange portion and having a spaced parallel relation with the leg portion, and said leg portion having a prong bent from the metal thereof forming additional securing means.

2,457,318

GRINDING MACHINE WITH AUTOMATIC CRUSH DRESSING MECHANISM

Louis F. Polk, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio

Application March 2, 1945, Serial No. 580,589
10 Claims. (Cl. 125—2)



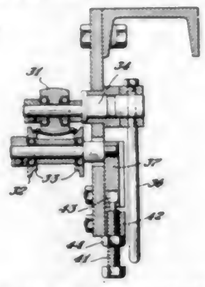
1. A grinding machine having a grinding wheel and a rotatable crusher for forming the surface of said grinding wheel, a crusher supporting housing, means pivotally carrying said supporting housing for rotational adjustment of the crusher axis towards and from the grinding wheel, and means for moving the crusher bodily in said support to feed the crusher into the grinding wheel, and mechanism providing for sequential operation of said means to initiate the operation of one of said means after the operation of the other.

2,457,319

CINEMATOGRAPHIC DYE PRINTING

Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine

Application August 31, 1945, Serial No. 613,828
8 Claims. (Cl. 271—2.1)



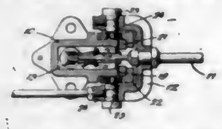
1. In the art of printing by imbibition from a dyed matrix to a blank having a dye absorptive layer, apparatus comprising an endless belt adapted to travel in an orbital path, the belt having marginal rows of teeth shaped to fit into the sprocket holes of superposed films to hold the films in registry while the films are traveling with the belt, and the belt being curved transversely so that it is concave on the film side, whereby the margins of the films, when pressed together against the belt, remain in intimate contact while on the belt.

2,457,320

FLUID SEAL

Albert J. Rosenberger, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Application March 22, 1945, Serial No. 584,074
2 Claims. (Cl. 286—29)



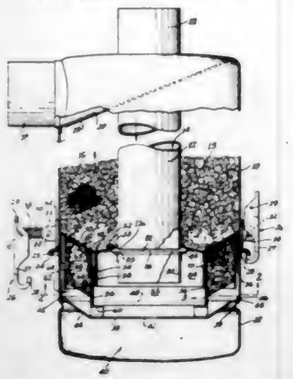
1. A fluid seal for a pressure responsive instrument comprising a hollow housing adapted to be exposed on its inside to a pressure different than that on its outside, a lever pivoted adjacent the housing one end of which extends into the housing, a pair of spaced annular diaphragms around the lever, each diaphragm being formed by a single annular sheet of curved cross section means connecting the outer edge of one of the diaphragms to the lever, means to connect the outer edge of the other diaphragm to the housing, and a tube around the lever connected at its ends to the inner edges of the diaphragms.

2,457,321

AIR CLEANER

Kenneth F. Russell, Claremont, Calif., assignor, by direct and mesne assignments, to Herman H. Garner, Claremont, Calif.

Application January 4, 1945, Serial No. 571,258
14 Claims. (Cl. 183—15)



7. An air cleaner, comprising in combination: a casing; tubular partition means providing a centrally disposed chamber and an annularly disposed chamber therearound, one of said chambers constituting a low velocity air filter chamber, and the other a high velocity air intake chamber; baffle means extending laterally from said partition means and beneath a portion of said filter chamber; additional baffle means

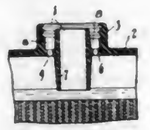
spaced laterally from and extending beyond the adjacent end of said air intake chamber, thereby providing an extension of said inlet chamber of greater cross-sectional area than that of said inlet chamber and a complementary extension of said filter chamber of smaller cross-sectional area than that of said filter chamber, the cross-sectional areas of said chamber extensions approximating each other to approximately equalize air velocities therethrough, said additional baffle means having a free edge remote from said intake chamber; and closure means lying beyond said free edge and providing an air passage under said edge and connecting said chamber extensions, said baffle means separating and blocking communication between said inlet chamber extension and said filter chamber and its extension.

2,457,322

ELECTROLYTE LEVEL CONTROL DEVICE FOR STORAGE BATTERIES

Julius Sandusky, Toronto Township, Peel County, Ontario, Canada

Application August 2, 1947, Serial No. 765,681
6 Claims. (Cl. 136—177)



1. In an electrolyte level control device for storage batteries, a cell having a filling opening in the top thereof, an outer filling tube mounted in the top of the cell around the filling opening and open at its upper end, an inner tube of smaller diameter than the outer tube open at both ends and adapted to provide an opening for initial filling of the battery and insertion of a hydrometer tube for testing said inner tube, being spaced from the outer tube so as to form an annular passage between it and the outer tube, said inner tube extending into the cell below the top thereof to form a closed air space beneath the top of the cell, a shoulder extending between the outer tube and the inner tube below the top of the latter to provide a bottom for the annular space and form a well, a vent aperture communicating between the otherwise closed air space beneath the top of the cell and the well, the aperture being of such size that liquid poured into the well will form a seal over the aperture when the electrolyte in the cell closes the bottom of the inner tube, and a removable cap adapted to be mounted on the outer filling opening to cover the outer open ends of the outer and inner tubes.

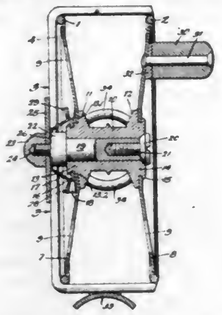
2,457,323

FISHING REEL

George J. Sharps, Chicago, Ill., assignor to Pachner & Kollef, Inc., Chicago, Ill., a corporation of Illinois

Application April 20, 1945, Serial No. 589,297
8 Claims. (Cl. 242—84.6)

1. In a fishing reel, a skeleton frame, a spool disposed within said frame, a stationary shaft on which said spool is rotatably mounted thereon, said shaft being axially secured to said frame, a click gear integrally secured to said spool, an elongated click spring semi-permanently secured to said shaft and frame, spanning said click gear



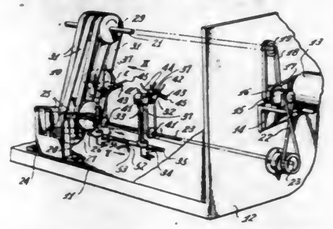
and having both ends thereof in coactive relationship therewith.

2,457,324

EGG CLEANING MACHINE

Escu W. Shock, Rogue River, Oreg.

Application October 6, 1947, Serial No. 778,196
10 Claims. (Cl. 51—144)



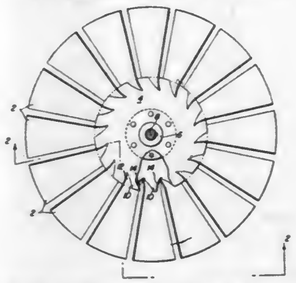
1. An egg cleaning machine comprising: a cradle adapted to receive an egg; a pair of resilient rollers disposed in the cradle for rotating the egg about its longitudinal axis; a plurality of sanding belts engaging a surface of the egg that projects from the cradle; and means for oscillating the cradle substantially through the center of an egg to present the curved end portions of the egg to the sanding belts.

2,457,325

AXIAL FLOW FAN

Philip A. Sidell, Rock Island, Ill., assignor to American Machine and Metals, Inc., East Moline, Ill., a corporation of Delaware

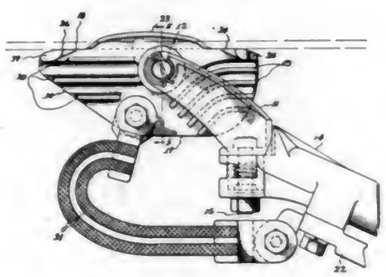
Application May 15, 1943, Serial No. 487,090
6 Claims. (Cl. 170—173)



1. An axial flow fan comprising a central blade supporting element having adjacent its periphery,

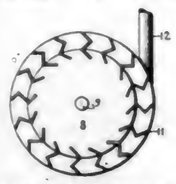
opposed side surfaces disposed in substantially parallel planes, a plurality of blades formed from metal plates connected to said surfaces and having their fluid impelling surfaces angularly disposed with respect to the plane of rotation of said element, the connection between each of said blades and said element being characterized in that a slot is provided in the base of each blade in such manner as to provide anchorage sections on both sides of said slots, said anchorage sections being mounted in straddling relation with respect to the periphery of said element and having their slot defining edges disposed in abutment with the opposed surfaces of said element, said anchorage sections extending in opposed relation peripherally whereby to dispose said edges in substantially parallel planes to provide for substantial line contact thereof with the surfaces of said element when said blades are mounted angularly on said element and means for securing said anchorage section to said element.

2,457,326
TROLLEY GLIDER
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 2, 1945, Serial No. 580,593
4 Claims. (Cl. 191—59.1)



1. A current collector comprising a glider having an elongated upper contact surface adapted to collect current from a trolley wire, a portion of said contact surface being flanged to form a groove to retain said glider to the trolley wire, and the advance end of said contact surface being flared out beyond the lateral boundaries of said flanges to afford substantially the same contact surface with the trolley wire when in contact with a curving trolley wire as when in contact with a straight trolley wire, said end of said contact surface terminating into a relatively heavy rib extending transversely of the advance end of said glider to radiate the heat caused by the heavy current loads passing therethrough, and a plurality of cooling fins disposed beneath said contact surface and extending laterally from said glider to circulate the air around said glider upon movement thereof and to maintain said glider at a predetermined low temperature both by convection and radiation.

2,457,327
TURBINE WHEEL
Philip H. Stevenson, Cincinnati, Ohio
Application January 11, 1946, Serial No. 640,528
4 Claims. (Cl. 253—50)



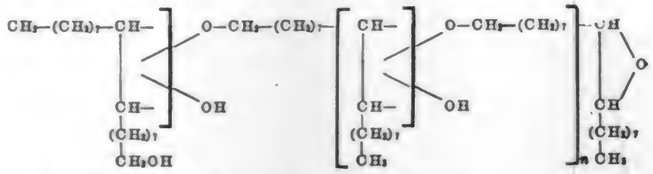
1. A turbine wheel comprising a hub, side plates secured to both side faces of said hub, said side plates being of larger diameter than said hub, and a series of blades secured to the periphery of said hub and to both of said side plates, said hub having slots parallel to the axis thereof, and at an angle to the respective radii of the hub, and the inner ends of said blades being engaged in said slots, the impact receiving surfaces of said blades being constituted by two plane surfaces parallel to the axis thereof and at an angle to the axis of said hub and at an angle to each other.

2,457,328
1,2-EPOXIDES AND PROCESS FOR THEIR PREPARATION
Daniel Swern and Geraldine N. Billen, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application May 28, 1946, Serial No. 672,906
6 Claims. (Cl. 260—348)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A 1,2-epoxide selected from the group consisting of 1,2-epoxytetradecane and 1,2-epoxyoctadecane.

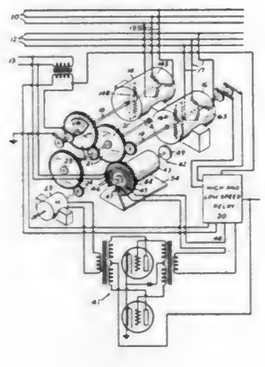
2,457,329
POLYMERS OF 9,10 - EPOXYOCTADECANOL AND PROCESSES FOR THEIR PREPARATION
Daniel Swern and Geraldine N. Billen, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application September 27, 1946, Serial No. 699,647
17 Claims. (Cl. 260—348)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A compound of the general formula



where n is zero or any integer.

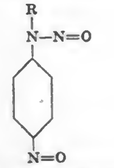
2,457,330
ELECTRIC ANTIHUNT SERVO SYSTEM
John P. Toner, Woodhaven, N. Y., assignor to Arma Corporation, Brooklyn, N. Y., a corporation of New York
Continuation of application Serial No. 631,078, November 27, 1945. This application October 31, 1947, Serial No. 783,301
24 Claims. (Cl. 318—30)



1. In an electromechanical servo-control system having a servo-motor energized by the voltage generated in a transformer rotor winding driven by the servo-motor toward non-inductive angular relation in the field of the transformer stator winding energized in accordance with the movements of a remote self-synchronous transmitting means, the combination of a damping generator having rotable rotor and stator members, driving connections between said servo-motor and said stator member, means responsive to changes in speed of said stator member for driving said rotor member, and means mounted on said rotor member and cooperating with said stator member for supplying to said servo-motor a voltage that is a function of changes in the speed of said stator member, whereby the response of said servo-motor to the voltage induced in said transformer rotor winding is modified by the voltage generated in said damping generator.

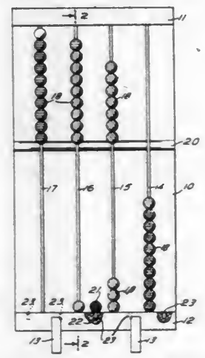
2,457,331
VULCANIZATION OF ISOBUTYLENE RUBBER
Joseph H. Trepagnier, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 8, 1945, Serial No. 621,169
7 Claims. (Cl. 260—79)

1. In the process of vulcanizing isobutylene rubbers which are copolymers of isobutylene and small amounts of a diolefine, which copolymers have a range of unsaturation of from 0.1% to 10% of the unsaturation of natural rubber, the step which comprises incorporating into the vulcanizable isobutylene rubber mix containing sulfur and a vulcanization accelerator of the group consisting of thiuram sulfides and dithiocarbamates, from 0.01 to 3 parts, per 100 parts of isobutylene rubber, of an N-nitroso-p-nitrosoaniline of the formula:



wherein R stands for a hydrocarbon radical of the class consisting of an alkyl group containing not more than 6 carbon atoms, a mono-cycloalkyl group containing not more than 6 carbon atoms and an aralkyl group in which the alkyl chain contains not more than 3 carbon atoms and the aryl group is of the benzene series.

2,457,332
EDUCATIONAL APPARATUS
Francis A. Wade and William Metzner, Philadelphia, Pa.
Application February 5, 1947, Serial No. 726,478
2 Claims. (Cl. 35—33)

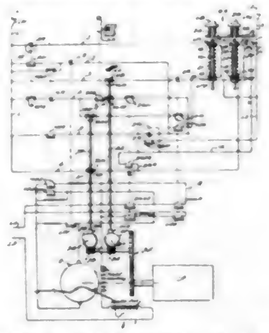


1. An abacus comprising the combination of a panel, a plurality of vertically disposed denominationally ordered wires carried by said panel forming spaced rows, a group of ten beads strung on each wire for sliding movement relative thereto, the top bead of each group being visually distinguishable from the nine below it but visually identical with the lower nine beads in the group of the next adjacent higher order, and a horizontal support on said panel intermediate the length thereof for supporting all bead groups, in such a way that flexing any wire releases and drops a selected number of beads from said support to form a sequence supported by the bottom of said panel and corresponding to a selected number readable as a place value.

2,457,333
ELECTRICAL CONTROL SYSTEM
William G. Wamsley, Detroit, Mich.
Application June 14, 1946, Serial No. 676,652
10 Claims. (Cl. 318—445)

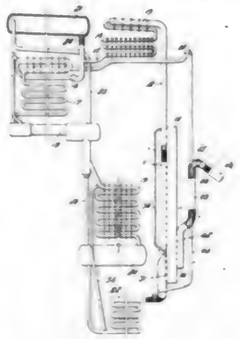
10. In a multi-speed electric control system, a first electric circuit operable to control operation of a mechanism at a first speed, a second electric circuit operable to control operation of a mechanism at a second speed, a first accelerating relay controlling means having two positions of operation, said means when in one of said positions being operable to energize said first circuit

and when in the second of said positions being operable to energize said second circuit, a third electric circuit operable to control said first controlling means, said first controlling means being operable upon energization of said third circuit to move to said one position and upon de-energization to move to said second position, a second up controlling means having three positions of operation, said second means being oper-



able in the first of said positions to energize said third circuit and in the second of said positions to energize said first circuit and maintain said third circuit energized and in the third of said positions to energize said second circuit and to de-energize said third circuit, and time delay means including electric-energy storage means operable upon de-energization of said third circuit to maintain said first controlling means in said one position for a predetermined time interval.

2,457,334
CORROSION INHIBITORS IN REFRIGERATION SYSTEM
Nils Erik Widell, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application September 29, 1944, Serial No. 556,313
In Sweden November 4, 1943
8 Claims. (Cl. 62—119.5)

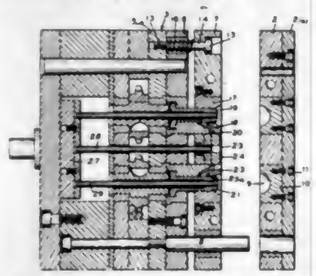


5. In the art of refrigeration employing an hermetically sealed absorption refrigeration system utilizing ammonia as a refrigerant and water as an absorbent and in which solid chemical reaction products are apt to interfere with the proper operation of the system, that improvement which consists of adding from 1 to 5% of an alkali nitrite to the aqueous ammonia solution in the system to inhibit corrosion and produce only soluble or gaseous reaction products.

2,457,335
PROCESS FOR INCREASING TACKINESS OF RUBBER-LIKE MATERIALS
Ira Williams and Clinton A. Carlton, Borger, Tex., assignors to J. M. Huber Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 13, 1944, Serial No. 526,320
9 Claims. (Cl. 260—27)

9. A process of increasing the surface tackiness of an unvulcanized rubber, which comprises incorporating in a solid rubber consisting at least predominantly of diene hydrocarbon polymer, a salt formed by reacting a rosin acid upon an amine of the class of aliphatic amines in which any oxygen is connected to the carbon by only one bond and consisting of cetyl dimethylamine, dioctylamine and ethanolamines.

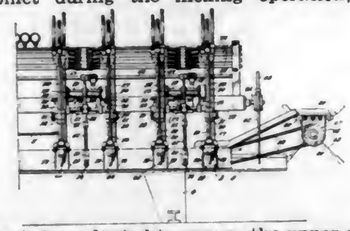
2,457,336
INJECTION MOLD
Gardiner C. Wilson, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application July 11, 1942, Serial No. 450,541
12 Claims. (Cl. 18—42)



1. In an injection molding machine adapted to form simultaneously a plurality of internally threaded articles, the combination of a fixed resistance plate having cavities therein, a platen, a movable mold plate having a plurality of openings therein, said mold plate being supported by said platen and movable toward and from said fixed plate, means for yieldably supporting said mold plate including springs so disposed as to urge said plate away from said platen as a unit to apply force to the molded articles to release them from threaded members, injecting means, headed rods passing through said movable mold plate and said platen with said springs disposed about said rods, the heads on said rods limiting movement of said movable mold plate by said springs, rotatable threaded members adapted to extend through the openings in the mold plate and into the fixed plate cavities when the mold is closed to form the interior surface of the molded articles, and runner channel connecting the injecting means and the mold cavities, said yieldably supported mold plate being held under compression when the mold is closed and being adapted upon opening of the mold and rotation of said threaded members to urge the molded articles outwardly to release them from said members.

2,457,337
BILLET NICKING MACHINE
August H. Yoch, Melrose, Pa., and William W. Rice, Jr., Jackson Heights, N. Y., assignors to Air Reduction Company, Incorporated, a corporation of New York
Application June 22, 1945, Serial No. 601,010
13 Claims. (Cl. 266—23)

13. In a billet nicking machine, an oxy-fuel gas torch having a tip directed toward the upper surface of the billet, means for moving the torch at cutting speed across the top surface of the billet to cut a nick in such surface, a vertically movable member to which the torch is connected, billet engaging means connected to such member and adapted to engage the upper surface of the billet during the nicking operation, such



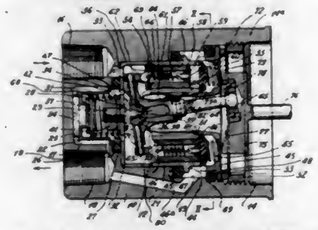
means being adapted to engage the upper surface of the billet throughout a horizontal torch travel which exceeds the width of the billet, a quenching liquid supply pipe, and at least one nozzle on the pipe, said nozzle being so positioned relative to the torch as to discharge quenching liquid onto the billet adjacent a nick formed by the torch and to the rear of the torch.

2,457,338
CRYSTAL MOUNTING
Harold S. Bates, Philadelphia, and Samuel A. Robinson, Upper Darby, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 27, 1945, Serial No. 579,988
4 Claims. (Cl. 171—327)



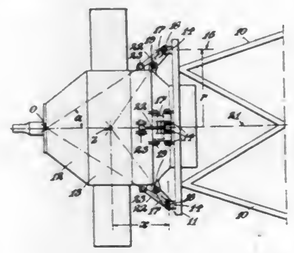
1. In combination, a rectangular piezo-electric crystal having opposite substantially parallel major surfaces, said surfaces being metalized and forming electrodes, and mounting means comprising a pair of substantially circular metallic members each having a continuous annular plane surface between which surfaces the crystal is clamped, said annular plane surfaces contacting corner portions of adjacent metalized major surfaces of said crystal.

2,457,339
WOBBLE PLATE PUMP
Alex Bertea, Pasadena, Calif.
Application August 31, 1946, Serial No. 694,303
1 Claim. (Cl. 103—173)



In a wobble plate pump, a working cylinder, a head valve normally sealing one end of the cylinder, a tubular piston placed in the cylinder and having a valve seat formed on the end toward the head valve, an inlet valve positioned on the valve seat and so shaped with respect to the piston end and the head valve that no voids exist when the piston is at the extreme of its stroke toward the head valve, and wobble plate means for reciprocating the piston in the cylinder.

2,457,340
MOUNTING FOR VIBRATORY BODIES
Philip Edwin Berry, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a company of Great Britain
Application January 16, 1945, Serial No. 573,044
In Great Britain December 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 30, 1963
4 Claims. (Cl. 248—5)



1. A suspension for carrying an overhanging vibratory body from a support comprising devices spaced about said support each device having a member for attachment to the support, a member for attachment to the vibratory body and an elastic member disposed between said support and the body-attachment members, said elastic members for one set of suspension devices having two principal axes of stiffness whereof one is tangential to a circle co-axial with the axis of torsion and the other intersects the corresponding axes of the other devices of that set at the centre of gravity of the body and said elastic members for the other set of suspension devices having a principal axis of stiffness directed to intersect at a point beyond the centre of gravity of the body from the plane of suspension thereof.

3. A suspension for an overhanging vibratory body as claimed in claim 1 wherein the elastic members of the other set of suspension devices are connected to the body each by a universal joint.

2,457,341
CRAVAT HOLDER
Leon J. Biagi, Rumford, R. I., assignor to Swank, Inc., a corporation of Delaware
Application August 13, 1946, Serial No. 690,172
4 Claims. (Cl. 24—49)



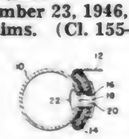
1. A cravat holder comprising a front bar, a rear jaw bent therefrom for reception and gripping of a cravat between them by the inherent resiliency of the material of which the holder is made, and means independent of the front bar and cooperating with the rear jaw to clamp the rear jaw to the edge of a shirt at a position located between the front bar and the rear bar.

2,457,342
LIPSTICK
Chester H. Braselton, New York, N. Y.
Application September 24, 1946, Serial No. 699,025
6 Claims. (Cl. 132—88.7)



1. A lipstick applicator comprising an open-ended paste guide for receiving a filling of lipstick paste lying substantially flush with the open end of the guide and in contact with and supported by the guide walls at said open end, said paste guide having its open end truncated in mutually relieving directions for framing an outwardly projecting free ridge of paste of considerable depth extending transversely across said open end between the spaced tips produced by the truncation of said end, the perimetral walls of said guide constituting the sole means for maintaining in use the wholly paste-formed ridge of lipstick material between the spaced tips thereof, and paste-advancing means operable for maintaining the paste substantially flush with the truncated end of the guide.

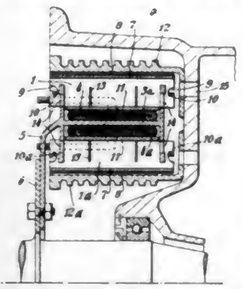
2,457,343
MEANS OF SECURING WEBBING STRIPS TO FURNITURE FRAMES
Paul G. Braunschweiger, Troy, Ohio, assignor to The Troy Sunshade Company, Troy, Ohio, a corporation of Ohio
Application December 23, 1946, Serial No. 717,899
3 Claims. (Cl. 155—187)



1. In an article of furniture having a frame and a plurality of strips of thermo-plastic material carried by said frame with means for attaching the ends of said strips to said frame, comprising a plurality of laminations forming the end of each strip, a clip, said laminations forming windings about said clip, a hole in each clip, holes extending through the laminations in registration with the hole in said clip, said lamination holes being on opposite sides of said clip, the edges of the holes in the laminations being welded together whereby the holes in the laminations and clip are coated with material which lines the walls of the holes in said laminations and said clip, and means passing through the hole in each clip and the laminations on the opposite sides thereof and connecting the same with said frame.

2,457,344
FLUID PRESSURE BRAKE APPARATUS
Henry James Butler, Sutton Coldfield, England, assignor to Dunlop Rubber Company Limited, County of London, England, a British company
Application June 1, 1945, Serial No. 597,121
In Great Britain June 3, 1944
7 Claims. (Cl. 188—152)

1. Wheel brake apparatus which comprises a pair of concentric spaced brake drums, a stationary cylindrical support between said brake drums, expansible annular tubes on opposite sides of said stationary cylinder, pressure transmitting members between said tubes and said brake drums arranged in a pair of concentric annular series between their respective annular tubes and said brake drums, each of said members having a radial flange set edgewise relative to one of said annular tubes and extending toward its respective brake drum and having a flat surface opposed



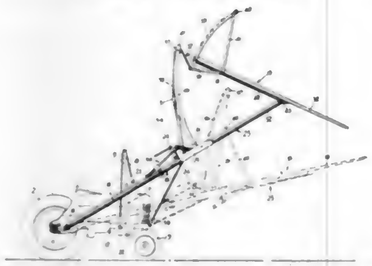
to the surface of said brake drum, a friction plate on said flat surface, means to hold said members from rotating relative to said stationary cylinder and spring rings to hold said members against their respective annular tubes.

2,457,345
DEVICE FOR DISPENSING ARTICLES
John G. Carline, London, England
Application June 20, 1945, Serial No. 600,439
In Great Britain April 17, 1945
7 Claims. (Cl. 206—56)



2. In a device for dispensing individual articles, a container including a resilient diaphragm forming the bottom wall of the container, said diaphragm having an opening therein of a diameter smaller than the diameter of a ball to be dispensed from the container, a tubular member surrounding the opening adjacent the outer face of the diaphragm for moving the bottom wall axially of the container to dilate the opening, and the length of said tubular member being greater than the diameter of the ball and of less length than one and one-half diameters of a ball.

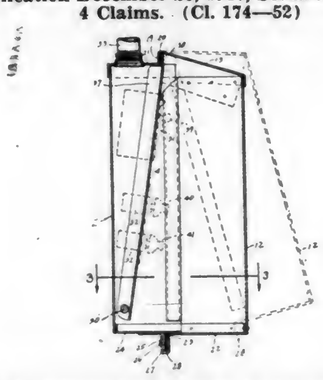
2,457,346
LOADING AND STACKING MACHINE
Carl Anton Carlson and Alvie W. Bittner, Fort Dodge, Iowa
Application July 1, 1946, Serial No. 680,714
3 Claims. (Cl. 214—140)



1. In a loading and stacking machine having a pair of pivoted lifting arms arranged at opposite sides of a portable frame, a rake tiltably mounted on said arms, an upright stationary

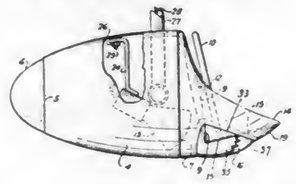
frame on said arms located rearwardly of said rake, and inclined upwardly and forwardly such that its upper end projects forwardly of the rear end of the rake, when the rake is in a loading position, flexible means connected at one end to the rear end of said rake and extended upwardly over said frame and then downwardly below said frame for connection at its opposite end with said portable frame, and means including a pulley at the upper end of said upright frame for movably supporting said flexible means.

2,457,347
ELECTRICAL OUTLET STRUCTURE
Leslie R. Casler and Leslie Fred Milner, Indianapolis, Ind.
Application December 26, 1947, Serial No. 793,942
4 Claims. (Cl. 174—52)



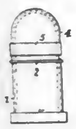
3. A protective type outlet structure including an open face box into which circuit wires are introduced, a panel member pivoted near its lower end to the box near the lower end thereof and normally biased for tilting downwardly and outwardly to expose the rear face of the panel for circuit wire connection purposes, and a cover for said box pivotally and releasably supported on the upper ends of both the box and the panel, said cover having an inclined top portion terminating in a depending tongue and being tiltable outwardly and upwardly to expose said panel, the latter being retained within the box by said inclined top portion until the cover is tilted outwardly and upwardly at an angle greater than 30 degrees.

2,457,348
COMBINED SIGNAL LIGHT AND REARVIEW MIRROR
Paul A. Chambers, Santa Monica, Calif., assignor of one-half to Loyal E. Harris, Santa Monica, Calif.
Application March 7, 1946, Serial No. 652,769
9 Claims. (Cl. 177—329)



8. In a device of the character referred to, a housing having a lens at one end, another lens in the side wall of said housing, a light shield in said housing spaced from said lens, and a rear view mirror mounted on said light shield for universal movement relative thereto and to said housing.

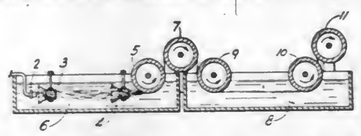
2,457,349
MANUFACTURE OF PESSARIES
Joseph F. Clark, Paterson, N. J., assignor, by direct and mesne assignments, to Durex Products, Inc., New York, N. Y., a corporation of New York
Application October 1, 1946, Serial No. 700,567
3 Claims. (Cl. 18—58.5)



1. In the forming of an appliance of the class set forth on a cylindrical form having a substantially semi-spherical end, the method which consists in depositing on all the exterior surface of the form which includes said end and the cylindrical part of the form thereto adjoining a coating of liquid latex which is at least translucent, positioning, in embracing relation to said part and in contact with the margin of the coating remote from said end and while the coating still remains tacky, an endless flexible elastic core, depositing on the coating, between said core and end and remote from the latter, a band of colored latex in liquid state, and, when said band has assumed substantially solid state and said coating still remains tacky, rolling the core continuously of itself toward said end and meanwhile wrapping the coating around the core continuously thereof, and continuing such rolling and wrapping while the coating still remains tacky and until the portion of the coating which wraps the core contacts that portion of the coating which is between the band and said end of the form.

2,457,350
METHOD AND APPARATUS FOR SPINNING ARTIFICIAL FILAMENTOUS PRODUCTS
Ernest D. Copson and Robert J. Taylor, Claymont, Del., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application July 7, 1943, Serial No. 493,712
8 Claims. (Cl. 18—8)

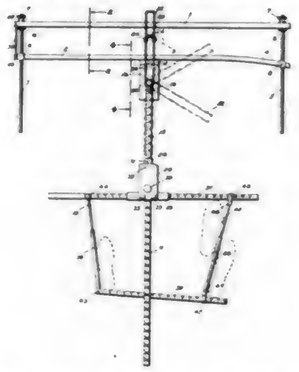
1. In apparatus for producing artificial filamentous products, a liquid coagulating bath, a spinneret therein, an after-treating liquid bath, guide rollers having substantially smooth cylindrical peripheral surfaces of substantial breadth partially immersed in adjacent ends of the respective baths for receiving and maintaining the filaments proceeding from the spinneret as a web-like sheet, and another guide roller having a



substantially smooth cylindrical peripheral surface of substantial breadth arranged outside the bath with its peripheral surface in close proximity to, but out of contact with, the surfaces of the

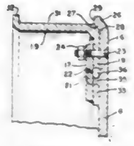
first-mentioned rollers such that the air travel of the web-like sheet between adjacent rollers is not over 50% of the width of the sheet nor over 6 inches.

2,457,351
GOLF TRAINING AND RECORDING APPARATUS
Robert Crowley, North Quincy, Mass.
Application May 13, 1947, Serial No. 747,736
3 Claims. (Cl. 273—35)



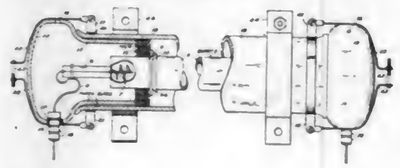
3. A golf training, practicing, and recording apparatus comprising a pair of adjustable and substantially parallel swing-guiding bars to be positioned lengthwise in the direction of the line of flight of a golf ball to be struck by a club-head, one end of said inner bar curved to represent a preferred hitting arc for said clubhead, a pair of rods adjacent each end of said bars and adjustable connections between said rods and said bars permitting variation in spacing the bars, fixed means on said inner bar to detachably secure one end of a longitudinal gauge perpendicular to said bars, a universally pivoted ball-locating member mounted adjacent said end of the gauge, means adjustably slidable on said gauge and carrying cross-means to slidably receive a transverse gauge, a shorter transverse gauge crossing said longitudinal gauge adjacent the free end thereof, adjustable telescoping means connecting both of said transverse gauges whereby the feet location of a player may be simulated, and measuring means on said gauges and on quadrants carried by said gauges to accurately determine the position of the player relatively to the location and the intended line of flight of the ball.

2,457,352
BRAKE DRUM ASSEMBLY
William D. Davidson, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application December 11, 1944, Serial No. 567,553
1 Claim. (Cl. 188—218)



A brake drum assembly comprising a brake wheel provided with a radially extending wheel flange, a circular flange integral with said wheel flange and extending axially from a side surface thereof, a brake rim having a radially inwardly extending brake flange engaging the side surface of said wheel flange and surrounding said circular flange, a clamping ring having a notched inner periphery surrounding said circular flange and engaging said brake flange, a key secured to said circular flange in spaced relationship to said side surface of said wheel flange and extending radially into a notch in the inner periphery of said clamping ring to lock said clamping ring and said wheel flange against relative rotation, and a plurality of bolts extending through said wheel flange, said brake flange and said clamping ring.

2,457,353
QUARTZ LAMP ASSEMBLY
Raymond R. Davis, Rochester, N. Y., assignor to Paragon Revolute Corporation, Rochester, N. Y., a corporation of New York
Application July 30, 1945, Serial No. 607,867
3 Claims. (Cl. 176—122)



1. In a quartz lamp assembly, a lamp comprising a closed quartz tube having an ionizible medium therein, each end of said tube being provided with a vacuum seal having an electrode sealed therein to project into the tube, a conductor connected to each electrode externally of said tube, a shield comprising a cylinder of material having the property of passing long ultraviolet rays therethrough and of preventing the passage therethrough of short ultraviolet rays such as generate ozone from the air, said cylinder being open at both of its ends, said shield also comprising removable ventilating covers closing the open ends of said cylinder, and mica-like supporting means engaging the inner surface of each end of the cylinder, said supporting means also engaging each end of the tube.

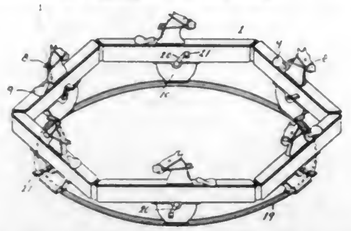
2,457,354
SUBCALIBER ATTACHMENT FOR GUNS
James M. Dial, Dayton, Ohio
Application February 8, 1946, Serial No. 646,399
13 Claims. (Cl. 42—77)

1. A subcaliber attachment for the barrel of a gun comprising a barrel member receivable in the gunbarrel, means provided at the rear end of the barrel member for limiting insertion thereof in the gun barrel, and a plurality of peripherally spaced screws threaded into the barrel member



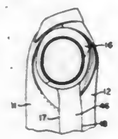
forwardly of the rear end thereof and radially adjustable to engage the bore of the gun barrel to regulate the position of the barrel member axis relatively to the gun barrel axis.

2,457,355
MERRY-GO-ROUND
William W. Dittmar, Williamsport, Pa.
Application March 22, 1945, Serial No. 584,167
4 Claims. (Cl. 272—33)



2. A merry-go-round comprising a stationary circular track, an inverted U-shaped framework movable over said track, a wheel housing spanning and attached to the lower edges of said U-shaped framework, said wheel housing having parallel sides depending below the lower edges of said U-shaped framework, a vertical driving wheel provided with a crank axle supported between the sides of said wheel housing to engage said stationary track, said wheel having a pedal driving member extending outside of said wheel housing, said wheel housing carrying vertically movable self-adjustable bearings positioned above said wheel axle, means preventing said bearings from wedging during their vertical movements, said parts cooperating for the purpose described.

2,457,356
JACKET WITH BISWING GUSSET IN FRONT AND IN BACK
Charles E. Enck, Ashland, Ohio, assignor to Cresco Manufacturing Company, Ashland, Ohio, a corporation of Ohio
Application December 31, 1947, Serial No. 795,099
7 Claims. (Cl. 2—93)

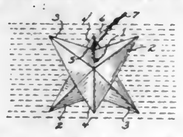


4. In an article of apparel such as a coat or the like, a front panel and a back panel connected along a shoulder seam and having a sleeve opening therebetween, a side gusset connecting said panels and forming therewith front and back side seams extending from the under-arm portion of the sleeve opening, a sleeve, said sleeve being connected to the front and back panels at the shoulder seam and to said gusset, and a front and back bi-swing extending from the shoulder seam to said front and back side seams respectively and connecting said sleeve to the edge of said sleeve opening in said front and back panels respectively, each of said bi-swings comprising an outer panel and an inner panel connected together along one edge thereof, said inner panel having its free edge connected to said sleeve and said outer panel having its free edge connected to said front and back panels respectively, said last-mentioned connected edges of said front and back bi-swings each connecting with said front and back side seams respectively at a point below the connection between the gusset and the under-arm portion of the sleeve, said last-mentioned edges of said back bi-swing terminating at said back side seam at a point above the terminating point of the said last-mentioned edges of the front bi-swing with the front side seam.

2,457,357
NOVEL ADHESIVE PRODUCT AND PROCESS OF MAKING SAME
James E. Fenn, Baldwin, N. Y.
No Drawing. Application June 14, 1947, Serial No. 754,765
9 Claims. (Cl. 260—17.5)

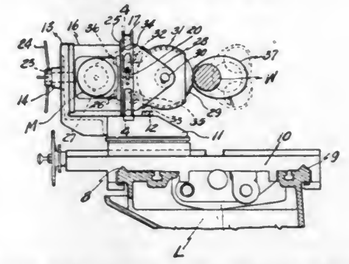
3. An adhesive comprising the reaction product of the concentrated waste liquor of the sulfite pulp process and phosphoric acid equivalent to 0.5% to 3% phosphoric acid of 75% H_3PO_4 based on the liquid basis of the liquor, where the concentrated waste liquor of the sulfite pulp process and the phosphoric acid are the sole reactants.

2,457,358
SINKER FOR DEEP-SEA AND BEACH FISHING
John Harry Flaugher, Tiffin, Ohio
Application December 27, 1943, Serial No. 515,767
4 Claims. (Cl. 43—52)



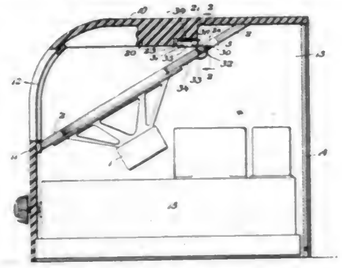
1. A fishing line sinker comprising a body formed of heavy metal and having radiating pyramidal shaped arms tapered to points at their outer ends and having flat side faces intersecting to form sharp side edges for the arms, said arms being arranged in pairs, the arms of each pair being disposed in longitudinal alignment with each other and at right angles to the other pairs of arms, and an eye carried by said body and projecting therefrom between bases of certain of said arms.

2,457,359
PORTABLE PIN GRINDING MACHINE
Frederick S. Floeter, Saginaw, Mich., assignor to Wickes Bros., Saginaw, Mich.
Application August 11, 1945, Serial No. 610,227
7 Claims. (Cl. 51—259)



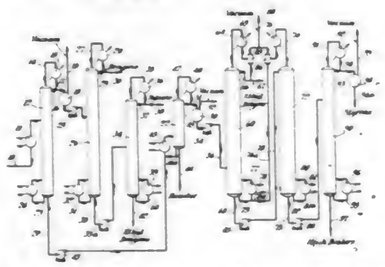
1. A portable pin-grinding machine adapted to be mounted on a lathe, and comprising a subbase, a motor frame mounted for revolvable movement on the sub-base and including a wheel support, a motor mounted on said frame, a grinding wheel journaled on said support and rotatable therewith, means for rotating said frame, and flexible belt means for drivingly connecting said motor in frictional engagement with the outer peripheral surface of the grinding wheel.

2,457,360
FASTENING CONSTRUCTION
Laurence H. Flora, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 24, 1946, Serial No. 686,042
7 Claims. (Cl. 24—259)



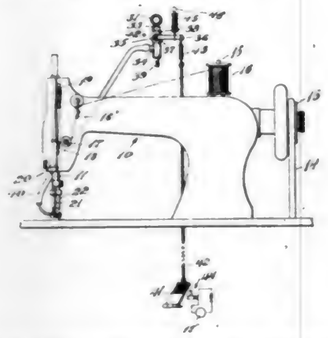
7. A fastening construction comprising a part provided with a recess having spaced shoulders in diverging relation in said recess, a resilient stud received in said recess comprising a sheet metal body having diverging side wings engaging said diverging shoulders and preventing transverse movement of said stud in the recess and a spring finger engaging a wall of said recess and urging said wings into resilient engagement with said shoulders and preventing movement of said stud in a direction normal to said body, a prong on said spring finger clutching the wall of said recess to anchor the resilient stud therein, and a spring arm member formed from said body at the end opposite said spring finger and extending through an opening in a cooperating part and engaging a surface thereof adjacent said opening.

2,457,361
STYRENE DISTILLATION
Truman A. Gadwa, Mount Vernon, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application September 21, 1946, Serial No. 698,439
4 Claims. (Cl. 202—52)



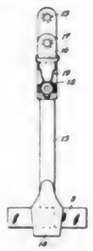
1. A step in the process of separating styrene from a styrene-containing mixture derived from the dehydrogenation of ethyl benzene to styrene and including benzene, toluene, ethyl benzene and higher boiling materials, without appreciable polymerization of the styrene, which comprises effecting an initial distillation under a pressure of about 160 mm. Hg absolute, removing toluene, lower boiling materials and about 20% of the ethyl benzene as overhead, removing the remainder of the ethyl benzene and all of the higher boiling materials as bottoms, and subsequently removing the styrene from the remainder of the ethyl benzene and higher boiling materials by further distillation under a substantial vacuum.

2,457,362
APPARATUS FOR COOLING SEWING-MACHINE NEEDLES
Antonio J. Giglio, Providence, R. I., assignor to Premier Thread Company, a corporation of Rhode Island
Application December 22, 1944, Serial No. 569,322
3 Claims. (Cl. 112—218)



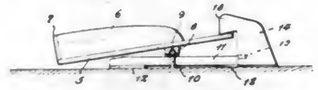
1. In a sewing machine, a reciprocating needle, a presser foot, a conduit for conducting liquid coolant to said needle having a portion thereof extending laterally across said presser foot and attached thereto at a location adjacent to the path of movement of said needle, said portion comprising a tubular member having an opening therein facing said needle for the discharge of coolant onto said needle.

2,457,363
SOCK SUPPORT
Ole Kjole Gjertsen, New York, N. Y.
Application October 16, 1947, Serial No. 780,124
1 Claim. (Cl. 2—303)



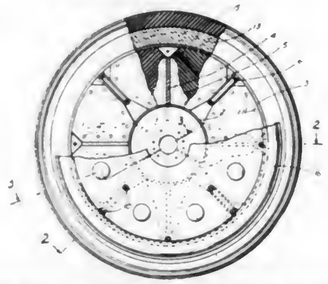
In a sock support comprising a strap member for encircling the ankle of the wearer, an upright mounted at the lower end thereof upon said strap member and upon the upper end having a separable fastening means, the features which include a sock suspension member having means for engaging with and retaining a sock attached thereto and at least one fastening member adapted to engage with the separable fastening means as the sole connection between said upright and said sock suspension member, and a bridge or connecting piece secured exteriorly upon the strap member and the lower end of said upright having an upward projection along said upright and being widened laterally in both directions along the strap member and also having the bottom thereof extended below said strap member to form an extensive reinforcement for the strap member and upright at the junction thereof and having the lateral widened portions and the upward projection joined by diagonal portions covering the meeting angles of said upright and strap member above the latter.

2,457,364
DESK TRAY
Maxfield Gluckman, Jackson Heights, N. Y.
Application August 28, 1944, Serial No. 551,506
4 Claims. (Cl. 129—35)



3. A desk tray comprising a base consisting of a pair of crossed members, one crossed member projecting above the other to form a fulcrum, a block secured to one end of the other crossed member, an abutment on the block overlying the base, an article support rockably mounted on the fulcrum, and having one end disposed beneath the abutment, the opposite end of the support being heavier to hold the first named end of the support against said abutment.

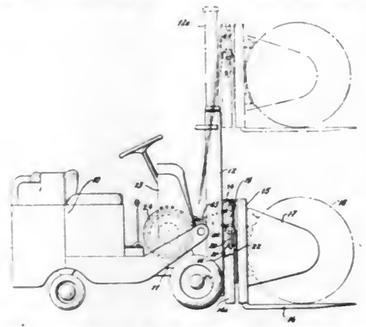
2,457,365
VEHICLE WHEEL
Herman Griebat, Lodi, Calif.
Application July 5, 1945, Serial No. 603,313
3 Claims. (Cl. 152—40)



1. A wheel comprising a hub, a tire supporting rim separate therefrom, resilient compressible panels between said rim and hub, said panels having their corners cut away to form an outer row of void spaces bounded externally by said tire supporting rim, and an inner row of void spaces bounded internally by said hub, transverse driving plates rigid with and projecting radially outward from said hub between and in contact with adjacent pairs of said panels, and transverse driving plates rigid with and projecting radially inward from said rim between and in contact with the individual panels of each of said pairs.

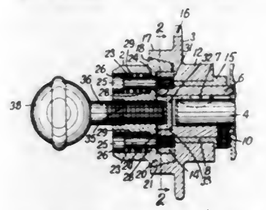
2,457,366
INDUSTRIAL TRUCK
Paul R. Guerin, East Cleveland, Ohio, assignor to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio
Application August 29, 1946, Serial No. 693,644
1 Claim. (Cl. 214—113)

A lift truck comprising a mobile chassis assembly, vertical mast means mounted forwardly on said assembly, a carriage slidable on said mast means, power means for raising said carriage, said carriage comprising a support mounted on said mast means and a load carrying member movably mounted on said support, a double acting piston and cylinder assembly mounted on said carriage and arranged for moving said load carrying member on said support, a reel mounted on said chassis assembly and disposed behind said mast adjacent a lower portion thereof, conduit guide means disposed forwardly of said reel, said reel and mounting including dual-ported fixed



means cooperating with reel hub means to form a swivel fluid joint, a pair of flexible conduits, each conduit being connected at one end to said hub means, passed about said reel and over said guide means, and connected at the other end to one end of said carriage mounted cylinder, and means to connect a source of fluid under pressure to said fixed ported means.

2,457,367
AXIALLY ENGAGING FRICTION CLUTCH
Ralph F. Hale, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application October 13, 1943, Serial No. 506,113
13 Claims. (Cl. 192—66)

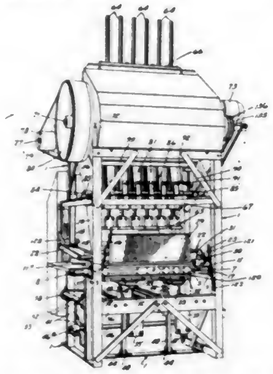


1. In a clutch mechanism, in combination, a driving member and a driven member arranged in coaxial relation, clutch means for connecting said members together including a clutch member supported by said driven member for movement axially of the latter relative to said driving and driven members, means for yieldingly urging said clutch member toward said driving member, and means reacting against said driven member and having threaded engagement with said clutch member for adjusting the position of the latter relative to said driving member.

2,457,368
CONCRETE BLOCK MACHINE
Newell B. Hanson, Lake Lillian, Minn.
Application October 10, 1945, Serial No. 621,507
3 Claims. (Cl. 25—41)

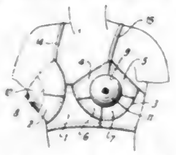
1. In a machine of the kind described, a mold having a molding cavity opening through its bottom, a pallet adapted to close the bottom of the mold cavity, a horizontal conveyor located below

the plane of the bottom of the mold and having its intermediate portion directly beneath the mold, said horizontal conveyor comprising laterally spaced conveyor rollers and extending from a receiving point laterally offset from the mold in one direction to a delivery point laterally offset from the mold in another direction, an elevator platform element located below the mold and mounted for approximately vertical movements between adjacent cooperating rollers of the horizontal conveyor, whereby to raise a pallet off of the intermediate portion of the conveyor into operative engagement with the bottom of the mold and return the same to the intermediate portion of the conveyor for continued conveyance by the latter, said horizontal conveyor rollers being continuously driven in like directions, a stop arm pivotally mounted below the plane of the upper surfaces of the conveyor rollers on an axis



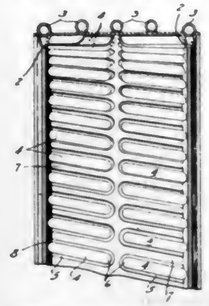
substantially parallel to the axes of the rollers and having a free head end swingable into and out of the path of travel of a pallet moving on the horizontal conveyor rollers, and means yieldingly biasing said stop arm to an intermediate position wherein it is inclined in a direction opposing the direction of horizontal feed and wherein its head is in the path of travel of a pallet on the horizontal conveyor, the yielding biasing force on the stop arm being sufficient to stop a pallet after a pre-determined movement of the stop arm in the direction of horizontal feed, whereby the stop arm will be returned to its said inclined intermediate position upon elevation of the pallet and will be deflected to an inoperative position below the pallet upon lowering of the pallet to the conveyor rollers, thereby permitting continued unidirectional horizontal feeding movements of the pallet upon return to the horizontal conveyor rollers.

2,457,369
BRASSIÈRE
Bernice Harman, Flushing, N. Y.
Application November 20, 1947, Serial No. 787,153
1 Claim. (Cl. 2—42)



In a brassière having conical or cupped support and molding breast pockets, each pocket being provided with a central circular unobstructed opening of substantial diameter thereby to provide forward protrusion of a substantial portion of the wearers breasts through the respective openings.

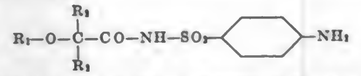
2,457,370
MOLD CONSTRUCTION
Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota
Application September 25, 1947, Serial No. 775,991
1 Claim. (Cl. 18—18)



A device of the class described comprising an unbroken cylinder-like mold having radially inwardly projecting cross-sectionally V-shaped confining flanges adjacent its edges, a plurality of elongated cross-sectionally U-shaped mold elements secured to said mold intermediate said flanges so as to provide a plurality of radially inwardly projecting generally transversely-extending parallel tread pattern-forming ribs, each of said mold elements being of less radial depth than said flanges, and each of said mold elements being formed with one closed end and having its opposite end abutting against and shaped to conform to the edge of one of said confining flanges.

2,457,371
ACYLATED p-AMINOBENZENE SULFONAMIDES
Rudolf Hirt, Riehen, and Hans Gysin and Henry Martin, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application March 10, 1945, Serial No. 582,182. In Switzerland November 5, 1943.
6 Claims. (Cl. 260—397.7)

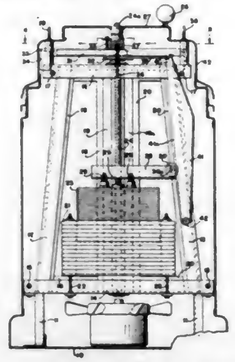
1. An acylated p-aminobenzene sulfonamide of the formula



wherein R_1 and R_3 each represents a lower alkyl radical and R_2 represents a member selected from the group consisting of hydrogen and a lower alkyl radical.

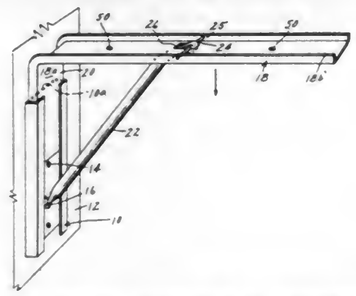
2,457,372
ALTERNATING CURRENT VERTICAL WELDER
Edward A. Hobart and Russell T. Flora, Troy, Ohio, assignors to The Hobart Brothers Company, Troy, Ohio, a corporation of Ohio
Application February 11, 1947, Serial No. 727,830
3 Claims. (Cl. 171—119)

1. In a welding transformer having a pair of relatively movable transformer coils, adjusting means for relatively moving said coils, a uniformly graduated indicator dial showing the output of said transformer, means for actuating said dial to variably spaced positions during the relative movement between said coils to regularly spaced positions comprising a lever means, and



means for regulating said last mentioned lever means so that said dial is moved at rates which vary according to the relative positions of said coils comprising a contacting device moved by said adjusting means engaging said lever and moved longitudinally thereof upon relative movement of said coils.

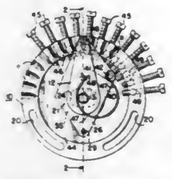
2,457,373
REMOVABLE BRACKET
Charles H. S. Hunter, Trona, Calif.
Application February 6, 1946, Serial No. 645,787
1 Claim. (Cl. 248—244)



A shelf support comprising a channeled bar bent to provide a pair of arms disposed at right angles to each other, a brace pivotally attached at its outer end to one of said arms, the other of said arms presenting a recess to receive the other end of the brace, and a bracket shaped to slidably receive the last-named arm, said bracket having means for securing it to a vertical supporting member.

2,457,374
TUNING CONTROL MECHANISM
William M. Hurst, Douglaston, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application April 3, 1947, Serial No. 739,207
2 Claims. (Cl. 74—10.41)

1. A tuning control mechanism comprising: a first means including a plurality of radially disposed spaced stop portions; a shaft rotatably supported by said first means; a crank, connected to said shaft for rotation with respect to said first means and having a stop portion at the free end thereof for selectively registering with individual ones of said stop portions, for establishing predetermined angular relationships between said first means and said crank; a follower pivotally connected to said crank for actuation thereby and having a first portion movable with reference to any selected one of said registering stop portions for positioning a controlled element in accordance with the relative positions of said first means, said crank and said follower; said follower having a second portion remote from said stop portion of said crank and the axis of said shaft; a plurality of radially disposed adjusting



screws on said first means for selective engagement with said second portion of said follower for adjusting said follower about the pivotal connection therefor with reference to any selected one of said registering stop portions, thereby to permit for each of said predetermined angular relationships between said first means and said crank an adjustment of the position of said controlled element which is independent of the corresponding predetermined angular relationship between said first means and said crank; means connected to said crank and said follower for biasing said second portion of said follower into engagement with individual ones of said adjusting screws; and locking means on said first means for maintaining each of said adjusting screws in a selected position of adjustment.

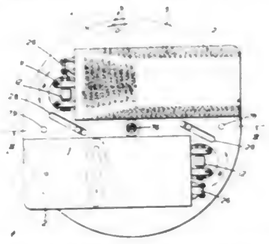
2,457,375
PURIFICATION OF PTEROIC ACID AMIDES
Brian L. Hutchings, Montvale, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 11, 1946, Serial No. 669,099
12 Claims. (Cl. 260—251)

4. A process of separating glutamic acid amides of 4 - {[(2 - amino-4-hydroxy-6-pyrimido [4,5-b] pyrazyl) methyl] amino} benzoic acid from related pterins in association therewith which comprises the step of converting the pterins in the mixture to alkaline earth-metal salts and subjecting the mixed salts to the action of an aqueous solution containing not more than about 25% of a lower aliphatic alcohol and separating the water-insoluble materials from the water-soluble substances.

2,457,376
AIRCRAFT WITH ROTATABLE SUSTAINING BLADES
Vittorio Isacco, London, England
Application June 7, 1945, Serial No. 598,111
In France September 29, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 29, 1961
18 Claims. (Cl. 244—138)

1. A parachute having rotatable sustaining blades, comprising a case, a top plate rotatably

mounted on said case, means for rotating the top plate, sustaining blades each comprising a number of telescopic sections, hinge means having axes perpendicular to the plate for mounting the blades, means for limiting the relative outward



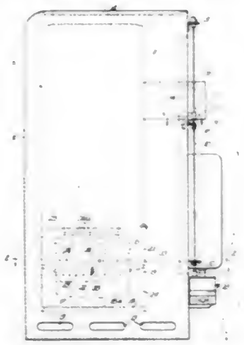
movement of the telescopic sections of the blades, the blades being collapsed by folding on their hinge means to a position to overlie the top plate, the space occupied by the blades when folded and collapsed being substantially equal to the lateral dimensions of the case.

2,457,377

SPACE HEATER AND CONTROL MEANS THEREFOR

Kenneth S. Jenson, Wisconsin Rapids, Wis., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis., a corporation of Wisconsin

Application May 9, 1946, Serial No. 668,436
8 Claims. (Cl. 126—93)



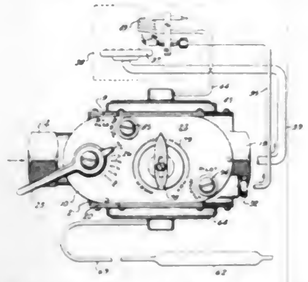
1. In a space heater, in combination, a heating drum, a burner disposed interiorly of said heating drum and providing with said heating drum a passageway for combustion air, a diaphragm located in said last mentioned passageway, said burner having peripherally spaced air inlet ports communicating with said passageway on one side of said diaphragm and other peripherally spaced inlet ports communicating with said passageway on the other side of said diaphragm, a flue for conducting gases from said drum to the exterior of said casing, valve means for controlling the passage of combustion air through said diaphragm, damper means for said flue, a valve for metering the flow of fuel to said burner, means for operating said metering valve and means connecting said metering valve to said valve means and to said damper whereby said valve means and said damper move in unison with said metering valve, said damper being in a position to provide less than its maximum dampering effect when said valve is in closed position.

2,457,378

GAS CONTROL VALVE

Roy W. Johnson and Cedric E. Zarwell, Milwaukee, Wis., assignors to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin

Application June 5, 1944, Serial No. 538,729
8 Claims. (Cl. 236—1)



3. In a system for controlling the supply of a fluid fuel, a space heating main burner, a pilot burner, a valve casing, a valve within the casing for controlling flow of fuel to the main burner, means defining a chamber expanding in response to combustion of fuel at the pilot burner and contracting upon extinguishment of the pilot flame, a compression spring seated between the valve and the chamber for urging the valve open during expansion of the chamber, a spring biased leverage under joint action of the chamber and the first spring for urging the valve toward closed position upon extinguishment of the pilot flame, means responsive to the temperature of the space to be heated, and a second leverage within the casing and actuated by the space temperature responsive means to urge the valve closed upon increase of the space temperature above a predetermined value.

2,457,379

INCISION NEEDLE

Irene Kallenbach, Dayton, Ohio, assignor to Vern J. Kallenbach, Erie, Pa.

Application September 28, 1945, Serial No. 619,035
3 Claims. (Cl. 128—340)



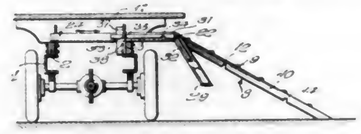
1. A combination surgical instrument consisting of a handle member having a chuck formed at one end thereof and a suture guide member having an offset projection thereon removably affixed to said handle by said chuck, the said suture guide consisting of a curved channel section having the outermost end thereof of flattened spoon shape and with an orifice therethrough, means on said handle for supplying a section of suture to the said guide and a chuck on said offset projection of said suture guide member for removably mounting an incision needle, the said incision needle including a barbed latch to enable it to be employed in pulling a section of suture through the opposing edges of an incision to be joined.

2,457,380

RETRACTABLE STEP AND RAMP APPLIANCE FOR VEHICLES

Raymond J. Kelberer, Wolf Point, Mont.

Application April 29, 1946, Serial No. 665,800
8 Claims. (Cl. 280—164)



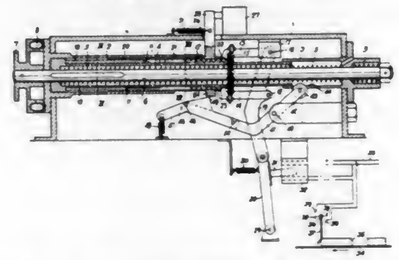
2. A vehicle appliance comprising a multiplicity of guide members connected with the frame structure of a vehicle chassis and extending vertically therefrom, each of said guide members having recesses therein directed in alignment with each other, a ramp provided with side portions each coacting with the recesses in said guide members, and latching means carried by the side portions of said ramp and engageable over said guide members for maintaining said ramp in position with respect to said chassis, and a horizontally shiftable fulcrum device carried by said chassis, and movable from a position adjacent said frame structure to a position displaced to one side thereof for engagement by the end of said ramp when said ramp is detached from said guide members and moved to loading and unloading position.

2,457,381

IMPULSE TRANSMITTING APPARATUS

John Bertil Rudolf Kilholm, Koping, Sweden

Application November 10, 1943, Serial No. 509,812
In Sweden November 23, 1942
6 Claims. (Cl. 74—111)



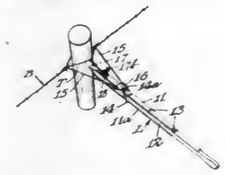
1. An impulse transmitting apparatus, comprising a mechanism for initiating a series of impulses, an impulse receiver, a movable ratchet member adjustable in a starting position, a pivotally mounted lever, means for transforming impulses from said initiating mechanism into rocking movements of said lever, a first spring-loaded pawl pivotally mounted on said lever for imparting a series of forward steps to said ratchet member, a spring device tending to force said ratchet member into its starting position, a second spring-loaded pawl constructed to prevent said ratchet member from returning towards said starting position, a control device for determining the number of said forward steps, a slidable member adapted to be actuated by said control device during the last forward step of said ratchet member for energizing said impulse receiver, and a releasing device adapted to be actuated by said slidable member for disengaging said pawls from said ratchet member, whereby to permit said ratchet member to return to its starting position.

2,457,382

FENCE REPAIR TOOL

William H. Koch, Minneapolis, Minn.

Application May 28, 1945, Serial No. 596,114
2 Claims. (Cl. 140—123.5)



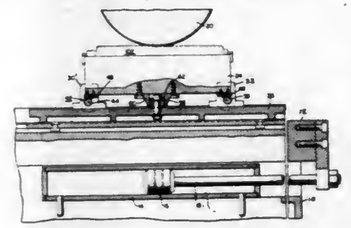
1. A tool for repairing wire fences comprising an elongated lever bar having a forward end adapted to be engaged against a fence post to facilitate lever action, a slide block embracing said bar and selectively adjustable in a multiplicity of positions on the medial portion of said bar, said slide block carrying a laterally projecting flanged spool for winding connection of a smooth fence wire thereon and a lock arm fulcrumed to the forward portion of said lever bar and having an outer end adapted to be swung into projecting engagement with the post in spaced relation to the engagement element of said bar, said lock arm also carrying a laterally projecting flanged spool for winding connection of a smooth fence wire therewith.

2,457,383

APPARATUS FOR GRINDING

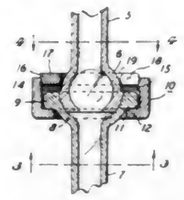
Frederich G. Krafft, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio

Application September 21, 1946, Serial No. 698,500
9 Claims. (Cl. 51—94)



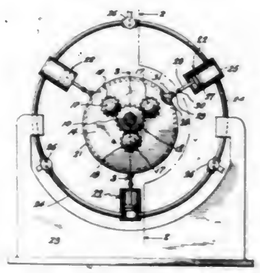
1. In a grinding machine; a rotatable grinding wheel; a workpiece supporting fixture; eccentric means supporting said fixture at each end; an arm on each eccentric means; a cam for each arm; means for relatively reciprocating said wheel and fixture for grinding a workpiece carried on the latter; and means for simultaneously moving said arms and cams relatively for actuating said eccentric means for a predetermined sequence of tilting movements of said fixture.

2,457,384
CLAMP FOR SPHERICAL JOINTS
Harry Krenz, Somers Point, N. J., assignor to Ace Glass Incorporated, Vineland, N. J.
Application February 17, 1947, Serial No. 729,079
3 Claims. (Cl. 285—95)



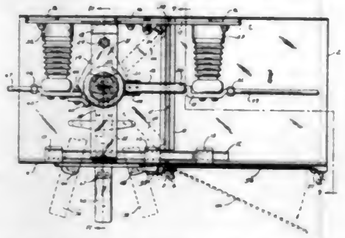
2. A clamp for spherical pipe joints or the like, comprising a cup having a circular wall provided with threads and an open bottom bounded by an inwardly extending flange provided with diametrically opposite notches for permitting the insertion of the female member of the joint, the main diameter of the bottom opening being smaller than the outside diameter of the female member, and a disk having threads engaging the threads of the cup, said disk having a central opening for the reception of the male member of the joint, said disk also having a lateral opening extending from its central opening to the edge thereof to permit the disk to be slipped sideways onto a pipe or the like connected to the male member.

2,457,385
UNIVERSAL REDUCTION GEAR TRANSMISSION
Joseph Lewit, Washington, D. C.
Application September 11, 1945, Serial No. 615,540
2 Claims. (Cl. 74—293)



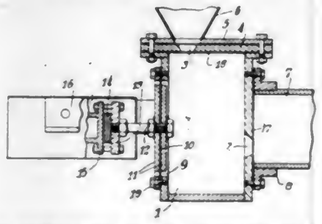
1. Apparatus of the class described having a driving shaft, a driven shaft, gears rigid on said shafts, a plate loose with respect to said shafts, second shafts, said second shafts being journaled in said plate, planetary gears on said second shafts on opposite sides of the plate, said plate having a bearing opening into which one of the first-mentioned shafts extends, said planetary gears being enmeshed with the first-mentioned gears, an endless fluid conduit surrounding said plate, a throttle valve in said conduit, a pump cylinder intersected and carried by the conduit, piston means for the pump cylinder operable by the periphery of said plate and a support for the apparatus in engagement with said endless fluid conduit.

2,457,386
ANTENNA DISCONNECTING SWITCH
William H. Lindae, St. Louis, Mo., and Ben W. Strachan, New York, N. Y.; said Lindae assignor of one-fourth to Eola Lindae and one-fourth to Joseph P. Pohrer
Application July 8, 1944, Serial No. 543,998
4 Claims. (Cl. 200—50)



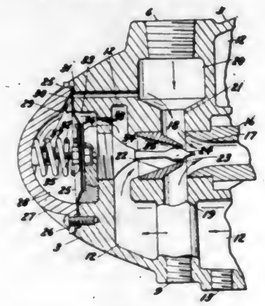
1. An antenna disconnecting switch comprising a housing having side walls provided with opposed parallel slide-ways and a bottom wall provided with a transverse slot terminating with its ends beneath the slide-ways, hinge-forming hangers mounted on the outer face of the bottom wall and opening upwardly to the slot, a panel swingably mounted in the hangers and adapted to slide upwardly through the slot into the slide-ways for dividing the housing into two separate compartments, stationary contact means mounted within one compartment, movable contactor means operatively mounted in the other compartment and arranged for movement from a position entirely within said compartment to a position in which it extends partially into the first-named compartment and into circuit-completing engagement with the stationary contact means when the partition is removed, locking means shiftable across the slot into slot-blocking position responsive to movement of the contactor means for preventing movement of the partition into compartment-dividing position when the contactor means is engaged with the stationary contact, and means for simultaneously actuating the contactor means and locking means.

2,457,387
CONVEYANCE OF FLUENT MATERIALS
James Reginald Locker, Warrington, England
Application April 21, 1945, Serial No. 589,660
In Great Britain August 25, 1943
3 Claims. (Cl. 198—218)



1. An apparatus for the conveyance of viscous pasty materials such as zinc oxide paste comprising a closed chamber of rectangular section having an inlet port of restricted area in its top wall and an outlet port of slightly larger area in one of its side walls, a diaphragm in and forming a part of the opposite side wall of the chamber, electro-magnetic means exterior to said chamber and connected with said diaphragm for vibrating the same, a hopper located above the chamber and discharging through said inlet port, the inlet and outlet ports being both subject to the vibrations set up by the diaphragm and the material entering the chamber under its own weight and through the effect of the outward movement of the diaphragm and passing out of the chamber because of the larger area of the outlet port and the effect of the inward movement of the diaphragm.

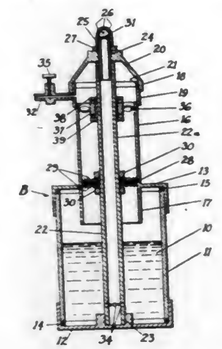
2,457,388
INJECTOR-IMPELLER PUMP
Kenneth R. Lung, Kendallville, Ind., assignor to Flint & Walling Manufacturing Co. Inc., Kendallville, Ind., a corporation of Indiana
Application June 27, 1945, Serial No. 601,872
6 Claims. (Cl. 103—5)



1. A rotary pump having an intake port, a tube discharging into said intake port, said tube having an expanded end remote from said pump converging to a restricted throat, a supply passage for the pump connected to the expanded end of the tube, a nozzle having a port coaxial with the tube and directed across said supply passage into said expanded end of the tube, a needle valve centrally positioned in and never completely closing said port, a suction chamber, a duct between the chamber and the supply passage, an additional chamber, said pump having a discharge passage provided with a duct to the additional chamber and to the needle valve side of the nozzle for flow discharge about the needle valve toward the throat, and pressure responsive control, means coacting between the chambers, said means having connection therefrom to the needle valve to vary the effective cross-sectional area for flow between the needle and port.

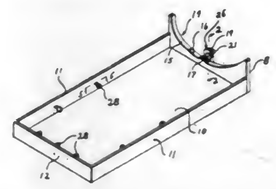
2,457,389
TOP CYLINDER OILER FOR INTERNAL-COMBUSTION ENGINES
William A. Maclay, Windsor, Ontario, Canada
Application August 30, 1945, Serial No. 613,574
3 Claims. (Cl. 123—196)

1. Lubricating means for internal combustion engines comprising a lubricant receptacle, an atomizing chamber thereabove having its lower end open and communicating with the lubricant receptacle above the level of the lubricant contained therein, an air feeding conduit communicating with said receptacle below the level of said lubricant, an outlet conduit adapted to communicate between said atomizing chamber and a cylinder of said engine to impose a condition of partial vacuum in said chamber during operation of the engine to cause intake of air to and through the receptacle and a flow of air and lubricant to said cylinder, a filter extending across said chamber above the lower open end of the latter to filter the air and lubricant flowing to said cylinder, an air filter disposed in said air feeding conduit,



and a rotatable means in the atomizing chamber for breaking up the inflowing mixture of air and oil.

2,457,390
BASEBALL GAME APPARATUS
Halfdan August Markussen, Hempstead, N. Y.
Application January 21, 1948, Serial No. 3,461
4 Claims. (Cl. 273—90)

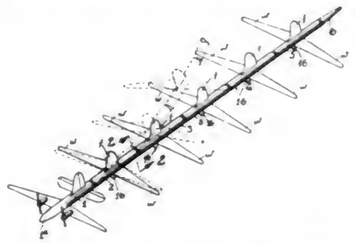


1. A game apparatus including a wall having a concave upper edge, said edge having a longitudinal groove therein thereby providing a raceway adapted to have a ball roll down the same when the ball is set thereon above the lowest point thereof, a support mounted on said wall and projecting above said raceway at the position of mounting of the support, said support having a bore therethrough a right angles to said wall positioned above said raceway at said position of mounting, a peg slidably mounted in said bore, means normally positioning said peg in said bore so that the end of the peg adjacent the raceway is withdrawn into the bore, said peg being adapted to be struck on the other end thereof to force said peg toward said wall whereby said ball in descending the raceway is adapted to be impelled by contact of said first-named end of the peg with the ball.

2,457,391
AIRPLANE TRAIN
Bruce Mitchell, San Diego, Calif.
Application February 8, 1944, Serial No. 521,534
2 Claims. (Cl. 244—3)

1. In an airplane train of the class described, a glider load carrying airplane including the combination of a relatively long hollow circular in cross section invariable diameter fuselage open at its opposite ends and opposed wings secured

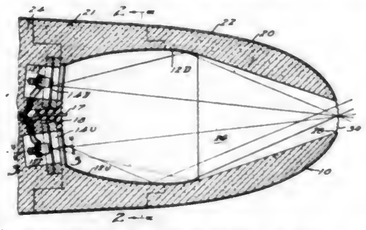
thereto intermediate its ends, a vertical fin secured to the upper side of said fuselage intermediate said wing, and a wheel connected to said fuselage at its lower side intermediate its ends.



2,457,392
HYDROGENOLYSIS OF THIOL ESTERS
Ralph Mozingo, Elizabeth, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application March 17, 1945, Serial No. 583,387
6 Claims. (Cl. 260—618)

1. The process that comprises reacting in the presence of a solvent a pyrophroric nickel catalyst and a compound of the formula RCOSR' where R and R' are each selected from the class consisting of aliphatic groups and aromatic groups, at a temperature not exceeding about 80° C.

2,457,393
APPARATUS FOR CAUSATION AND PREVENTION OF COLLISIONS
Glenn Muffly, Springfield, Ohio
Application January 14, 1942, Serial No. 426,758
3 Claims. (Cl. 244—77)



1. In an approach responsive system carried by an aircraft, in combination, a pair of microphones, a housing enclosing both said microphones and having an opening for sound, and means for causing air to flow over said housing around said opening at a velocity greater than the air speed of said aircraft to provide during flight of said aircraft a shield of high velocity air to uniformly protect the microphones of said pair from sounds produced on said aircraft, such protection being provided by the velocity of air flow in proportion to the velocity of sound in air.

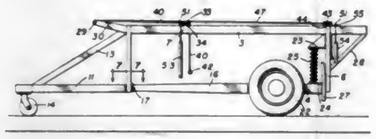
2,457,394
GRIP FOR KITCHEN UTENSILS
George Anton Novak, Broadview, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application June 6, 1947, Serial No. 753,127
2 Claims. (Cl. 16—116)

1. A grip adapted to be slipped endwise onto the handle of a cooking utensil and the like comprising an elongated tubular fabric member open at one end and substantially closed at the other end, said member being normally maintained in a substantially flattened configuration by means of an elongated resilient bail member disposed within and adapted to spread the tubular member transversely thereof, each of the spaced free end portions of the bail being formed with a loop



disposed in a plane perpendicular to the plane of the bail and secured to a longitudinal edge of the grip adjacent the open end thereof, whereby the parallel edges of the grip at the open end thereof will be spaced from each other a distance substantially equal to the outside diameter of said loop to form an open throat on the grip adapted to facilitate the entrance of said handle into the grip.

2,457,395
BOAT TRAILER
Ivan L. Owens, Detroit, Mich.
Application June 5, 1947, Serial No. 752,608
7 Claims. (Cl. 214—65)

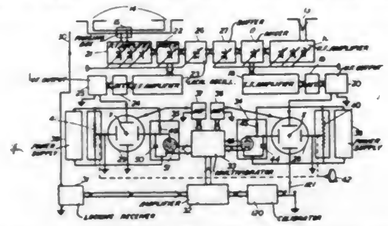


1. A boat trailer comprising a substantially rectangular frame having depending corner legs supported thereby, lower side frame members pivotally supported at their forward ends to the front of said frame, supporting wheels mounted on said side frame members, a swivel wheel mounted forwardly of said frame, means on said frame for raising a boat from the ground, means disposable below the boat having its opposite ends attached to said frame for supporting said boat in elevated position, and a detachable bed frame having pivoted foldable legs disposed at the corners thereof.

2,457,396
RADIO LOCATING APPARATUS
Philip Edward Pollard, London, England, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England
Application October 8, 1943, Serial No. 505,553
In Great Britain March 24, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1962
7 Claims. (Cl. 343—11)

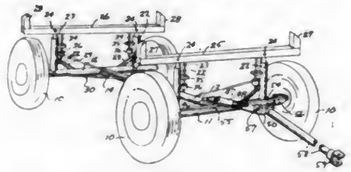
7. In radio locating apparatus of the type wherein the position of a distant body is located by means of radio frequency energy radiated in the form of an exploring beam by a transmitter and reflected by the target in the form of echo pulses back to a receiver, a plurality of cathode ray oscillographs each indicating a co-ordinate magnitude of the position of an object, one of said oscillographs being adapted to indicate the range of said object, means for presenting echo pulses reflected from said object against a time

base on the screen of each oscillograph, adjusting means for shifting simultaneously the positions of the traces produced by said echo pulses along said time bases, means for generating signal selecting impulses, means for controlling the timing of said impulses with respect to the timing



of said echo pulses, a common control member for simultaneously actuating said adjusting means and said timing control means, and means for utilizing said impulses to control the intensity of the electron beam of at least one other oscillograph in order to emphasize only the trace produced by said echo pulses on the screen thereof.

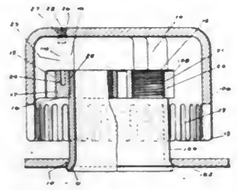
2,457,397
RESILIENT SUSPENSION FOR FARM WAGONS
Grover E. Richards, Youngstown, Ohio
Application February 4, 1946, Serial No. 645,355
2 Claims. (Cl. 280—124)



1. In a farm wagon including wheels and axles and frame means spacing the said axles, transversely positioned wagon bed frames located over the said axles and wheels, and means supporting the said wagon bed frames with respect to the said axles, said means including a plurality of sleeve members vertically positioned on the said axles and slidably engaging a plurality of depending support members affixed on said wagon bed frames, resilient members in each of the said sleeve members on the said axles, the said depending support members normally resting on the said resilient means, and means for limiting the upward travel of the said depending means, said means including brackets formed on the said guide means, and depending headed rods affixed to the said wagon bed frames and passing through openings in the said brackets, and resilient members positioned on the said depending rods below the said brackets.

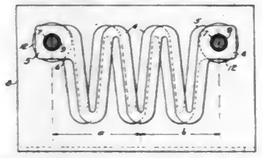
2,457,398
BUBBLE CAP
David S. Roberts, Brighton, and Robert A. De Luca, South Boston, Mass.; said De Luca assignor to said Roberts
Application April 18, 1946, Serial No. 663,001
7 Claims. (Cl. 261—114)

1. A bubble cap assembly adapted to cover an opening in a bubble tower tray and comprising a tubular riser extending upwardly from said opening in the tray, said riser being free from any interior obstruction, a cap-supporting collar carried by the riser and situated exterior thereto, and



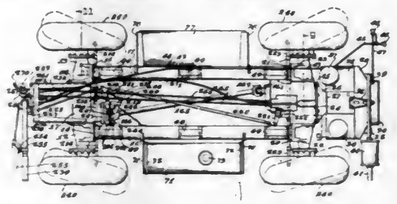
a cap element enclosing the upper end of the riser and removably supported by said collar.

2,457,399
RESISTANCE GRID AND METHOD OF ASSEMBLING
Charles H. Rockwood, West Allis, and Daniel J. Sikorra, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 21, 1944, Serial No. 532,090
9 Claims. (Cl. 201—69)



1. A resistance grid comprising a heat dissipating portion having an irregular shape in a given plane, a first supporting portion positioned in said plane a predetermined lateral distance in one direction from the longitudinal center line through said heat dissipating portion, and a second supporting portion position in said plane a lateral distance greater than said predetermined distance in the opposite direction from said center line through said heat dissipating portion.

2,457,400
AUTOMOTIVE VEHICLE
Delmar G. Roos, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application December 2, 1944, Serial No. 566,309
8 Claims. (Cl. 180—48)



1. A vehicle of the character disclosed in combination, a pair of spaced front and rear enclosures; a frame including a pair of laterally spaced tubular members rigidly connecting said enclosures; a body having a substantially uniplanar load supporting surface mounted upon said tubular members; pairs of road wheels arranged beneath said body and adjacent each of said enclosures for supporting the vehicle, at least one pair of road wheels being pivotally mounted for dirigible movement; an engine disposed beneath

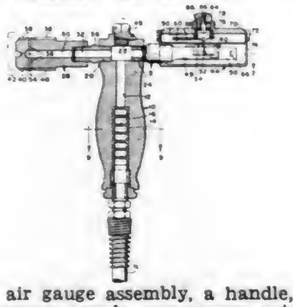
said body and rearwardly of said rear enclosure; power transmission mechanism contained within said enclosures for conveying power from said engine to each of said wheels; and a steering member arranged forwardly of said body connected to said dirigibly supported road wheels whereby steering movements may be effected.

2,457,401

PNEUMATIC GAUGING APPARATUS

Frederick L. Rupley, Cincinnati, Ohio, assignor to Merz Engineering Co., Indianapolis, Ind., a corporation of Indiana

Application August 29, 1946, Serial No. 693,721
2 Claims. (Cl. 73—37.5)



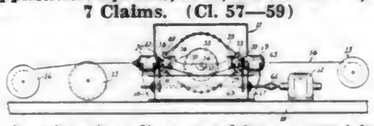
1. In an air gauge assembly, a handle, there being a pressure supply passageway extending axially through said handle, a series of restricted orifices and expansion chambers in said passageways in said handle, means for connecting a source of air pressure to said passageway at the rear of said handle, a threaded connection at the end of said handle, a pressure gauge mounted in said connection, a radially disposed threaded connection to said passageway in said handle located adjacent the front end of said handle, and a gauge head mounted in said last named connection.

2,457,402

WIRE-STRANDING MACHINE

Arthur J. Roetting, New Haven, Conn., assignor to Wire Machinery Corporation of America, Inc., New Haven, Conn., a corporation of Connecticut

Application April 18, 1947, Serial No. 742,381
7 Claims. (Cl. 57—59)



1. A wire-stranding machine comprising a stand, a flyer rotatably mounted therein, said flyer comprising spaced trunnions, and carriers connecting said trunnions, each of said carriers comprising a flexible metallic cable connected at its ends to the trunnions, said cable being longer than the distance between the trunnions and arched between said trunnions.

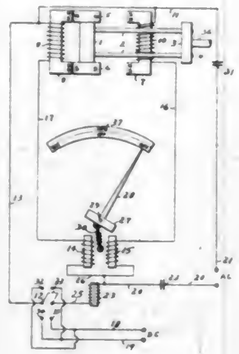
2,457,403

POSITION INDICATOR FOR MAGNETIC ACTUATORS

Emmett F. Sarver, Lenexa, Kans., assignor to Rohlm Manufacturing Company, Inc., Erie, Pa., a corporation of Kansas

Application August 22, 1945, Serial No. 612,013
4 Claims. (Cl. 177—311)

1. A magnetic actuator of the character described comprising, spaced electromagnets, a permanent magnet movable between said electromagnets, the magnetic attraction of said permanent magnet effecting adherence thereof to the electromagnet with which it is in contact, an indicator, an alternating current circuit for energizing the electromagnets, means including a direct current circuit connectable in circuit with the electromagnets for changing the polarity of the electromagnets for moving the permanent magnet from one electromagnet to the other to change the inductive impedance in the electromagnetic circuits, and means for actuating the indicator in response to said change of inductive impedance in the electromagnetic circuits for indicating the position of the permanent magnet.



2,457,404

NITROPARAFFIN MODIFIED AMINOPLASTS

Milton J. Scott, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 25, 1945, Serial No. 618,588
7 Claims. (Cl. 260—67.6)

1. A resinous heat reaction product of an aminotriazine-aldehyde condensation product and a mononitro paraffin containing from 1 to 4 carbon atoms in which at least one hydrogen atom is attached to the same carbon atom to which the nitro group is attached, the mol ratio of nitroparaffin to aminotriazine varying from 3–6 to 1.

2,457,405

HALO NITROPARAFFIN MODIFIED AMINOPLASTS

Milton J. Scott, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 25, 1945, Serial No. 618,589
11 Claims. (Cl. 260—67.6)

1. A resinous heat reaction product of an aldehyde reactable aminotriazine, an aldehyde and a halogenated nitroparaffin in which at least one hydrogen atom is attached to the same carbon atom to which the nitro group is attached said nitroparaffin containing from 2 to 5 carbon atoms and a single nitro group.

2,457,406

HALO NITROALCOHOL MODIFIED AMINOPLASTS

Milton J. Scott, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 25, 1945, Serial No. 618,590
9 Claims. (Cl. 260—29.4)

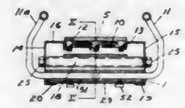
1. A composition comprising a resinous heat reaction product of an aminotriazine-aldehyde condensation product and a compound taken from the group consisting of acyclic compounds having from 3 to 6 carbon atoms to which are attached one nitro group, from 1 to 2 halogen atoms, from 1 to 2 hydroxyl groups none of which are attached to a carbon atom to which the nitro group and halogen atoms are attached, said compounds containing no other substituent, the molar ratio of said compounds to aminotriazine varying from 2–1 to 10–1.

2,457,407

ROLLER SUPPORT FOR CONVEYER BELTS

James R. Sebastian, Grand Rapids, Mich., assignor to The Rapids-Standard Company, Inc., Grand Rapids, Mich., a corporation of Michigan

Application January 8, 1945, Serial No. 571,750
6 Claims. (Cl. 198—184)



3. In conveyor construction, the combination comprising: a box-shaped frame member having upper, side and bottom sheets and constructed with a plurality of apertures in the upper sheet of said frame member arranged across the width thereof and aligned in longitudinal rows, and a continuous strip affixed perpendicularly to said upper sheet on the underside thereof and longitudinally of said frame member closely adjacent each row of apertures and extending along said frame member for a substantial portion of its length; a plurality of roller supporting shafts held by said strips; a plurality of rollers supported by said shafts within said frame member extending partially through said apertures; a conveyor belt carried by said rollers and normally spaced away from said upper sheet of said frame member a relatively small distance, the spacing of said rollers from each other and the spacing of said belt away from said upper sheet such that under load the belt may be partially supported by direct contact with said upper sheet; transversely arranged tubular support members rigidly affixed to the box-shaped frame members; laterally adjustable side rails extending longitudinally of said frame members and substantially the full length thereof, said side rails having parts thereof slidably inserted into said tubular support members and adjustably held thereto.

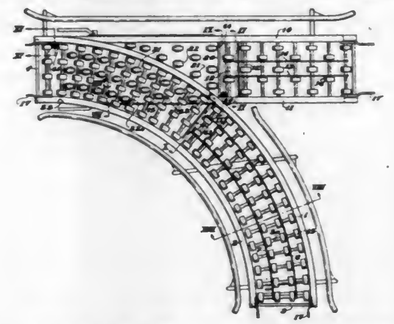
2,457,408

CONVEYER SWITCH

James R. Sebastian, Grand Rapids, Mich., assignor to The Rapids-Standard Company, Inc., Grand Rapids, Mich., a corporation of Michigan

Application March 20, 1946, Serial No. 655,723
7 Claims. (Cl. 193—36)

2. In a conveyor switch mechanism having one track branching from another track, the combination comprising: a first pair of curved rails defining one track and having a plurality of article supporting rollers in operative position therebetween; a second pair of rails affixed branchingly and rigidly to said first pair of rails defining a second track and likewise having a plurality of article supporting rollers in operative position therebetween; means including a vertically movable platform having a plurality of article supporting rollers mounted thereon effecting switching from one track to the other; means including a pair of cams at each of the ends of



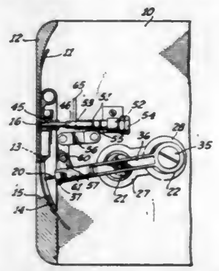
said platform for effecting vertical movement of said platform; a vertically movable gate selectively blocking at least one of said tracks and thereby preventing passage of articles carried by said conveyor from said track into the area of juncture of said two tracks; means operative from said vertically moving platform actuating said gate whereby said gate is moved into and out from article blocking position as the switch is moved with respect to the track in which said gate is located out from or into respectively article conveying position.

2,457,409

INTERMITTENT FILM ADVANCING MECHANISM

Robert P. Shea, North Hollywood, Calif., assignor to Edward Furer, Burbank, Calif., doing business as Acme Tool and Manufacturing Company

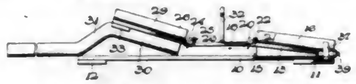
Application September 27, 1946, Serial No. 699,898
13 Claims. (Cl. 88—18.4)



1. A film advancing mechanism which includes; means for guiding a film; a pin adapted to enter a perforation in said film to move the latter; a first eccentric; a second eccentric approximately aligned with said pin and said first eccentric, said first and second eccentrics being continuously driven at the same speed; a crank arm attached to said pin to move the latter; means attaching said crank arm to said first ec-

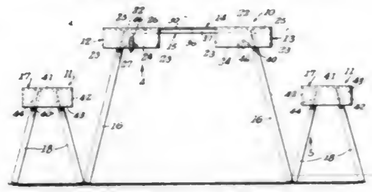
centric whereby said arm is moved laterally and longitudinally by said eccentric; and means attaching said crank arm to said second eccentric whereby said arm is moved laterally by said eccentric and is free to move longitudinally with respect thereto, said arm being momentarily aligned with a line passing through the axes of said eccentrics during the rotation of the latter.

2,457,410
BENDER
Wallace A. Smith, Speed, Ind.
Application July 25, 1946, Serial No. 686,072
7 Claims. (Cl. 153—16)



1. In a device of the class described, a trough-shaped receiving member for the material to be bent, a link hinged to said receiving member, a second trough-shaped receiving member hinged to said link, and an operating handle secured to said second named receiving member, the hinges being so constructed and arranged that when said handle is rotated one of said receiving members is moved into position beside and approximately parallel to the other of said receiving members.

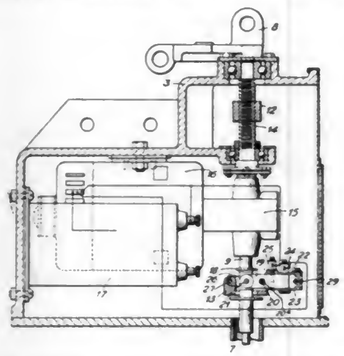
2,457,411
SET OF KNOCKDOWN FURNITURE
Laurel Eugene Steinberger, San Fernando, Calif.
Application October 21, 1946, Serial No. 704,554
10 Claims. (Cl. 155—123)



1. A set of knockdown furniture comprising a pair of similar table top members, a pair of similar bench top members, a table leaf member, and at least supports for the table top and bench top members, said table top members being each formed with a hollow compartment for nesting one of the bench top members and for storing said supports, and means separably connecting the table top members with the table leaf member therebetween to form a case in which said table top members comprise the outer portions of the case.

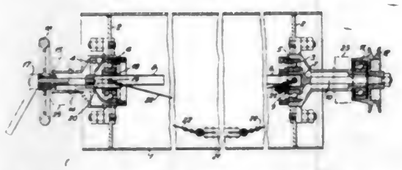
2,457,412
VALVE CONTROL MECHANISM FOR HYDRAULIC CLASSIFIERS
Rupert Octavius Stokes, London, England
Application October 16, 1945, Serial No. 622,629
In Great Britain October 24, 1944
1 Claim. (Cl. 209—496)

In equipment for classifying the solid and liquid constituents of a mixture, of the class wherein a valve operable by a reversible electric motor controls the discharge of solids accumulating in a bed under the conjoint control of the positioning of the valve itself and operation of a pressure actuated device responsive to pressure in said equipment, the combination with said motor and said pressure actuated device of a reversing switch comprising a switch base, a first lever pivoted on the base, upper and lower contacts on the said first lever, a second lever pivoted on the base, the lever pivots being spaced apart in the length direction of the levers, a contact member mounted on the said second lever to make contact selectively with the upper and lower contacts on the first lever and normally to float between the said contacts, a connection from the pressure actuated device to the two levers acting at a position between their respective pivots to move the levers in contrary directions on a movement of the



pressure actuated device, electrical connections between the switch and the motor to cause the motor to run in one direction when the contact member touches the upper contact on the first lever and in the other direction when it touches the lower contact, and a mechanical connection between the valve and the switch base, whereby the contact member on the second lever is restored to a floating position between the upper and lower contacts of the first lever on a change in the degree of opening of the valve in response to a movement of the pressure actuated device.

2,457,413
VIBRATOR
Rupert Octavius Stokes and George Kopp, London, England
Application November 2, 1945, Serial No. 626,282
In Great Britain November 1, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 1, 1964
8 Claims. (Cl. 74—87)



1. A vibrator for a reciprocating structure, comprising a substantially cylindrical casing including substantially radial parts near the respective ends of the casing, a bearing on each radial part coaxial with the casing, an axially movable member mounted to rotate in a first of said bearings, an elongated member mounted by one of its ends for rotation in the second of said bearings and mounted by its other end on said axially movable member, both ends of said elongated member being mounted in the bearing axis and said elongated member normally lying in the bearing axis but being capable of flexing to bring

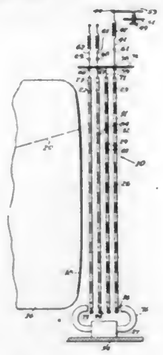
the major part of it out of said axis when the axially movable member moves toward said second bearing, thereby to constitute an out-of-balance weight, and a driving member connected to one end of said elongated member.

2,457,414
HAIR CURLING DEVICE
Frank Susi, Bronx, N. Y.
Application October 19, 1946, Serial No. 704,361
2 Claims. (Cl. 132—33)



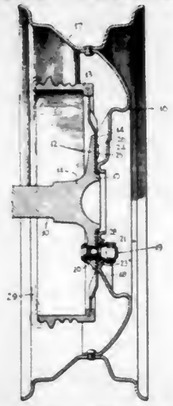
1. In a hair curler device, in combination, a solid, elongated, cylindrical member, said member being tapered at one end narrowing towards said end, said member having at both ends respective pairs of rectangularly disposed intersecting open slits, said slits forming a cross shaped depression of limited extension in an inward direction into said member, longitudinal grooves arranged parallel on the surface of said member and in alignment with said slits, so as to form straight channels extending from said slits on one end of the member to corresponding slits on the other end of the member, forming an integral connection with said slits respectively, a comb element, having longitudinal flanges provided along its back and transversely projecting therefrom, presenting therewith a cross section of substantially cross like configuration, said comb element being insertably attachable into said open slits so that the toothed portion and back thereof will fit into one of said slits while said flanges will fit into the slit rectangularly disposed thereto, whereby part of said toothed portion and portions of said flanges will be placed within said solid member, said toothed portion projecting therefrom through said respective slit.

2,457,415
COLOR TELEVISION
George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1945, Serial No. 585,907
2 Claims. (Cl. 178—5.4)



1. Color television apparatus comprising a cathode ray tube having a target area, scanning means associated with said tube to scan said target area successively and cyclically, a light filter device substantially equal in area to the target area of said tube scanned by said scanning means, said filter device being interposed in a light path which includes the target area of said tube, said light filter device comprising a plurality of filter members of a shape in outline corresponding to the outline of the scanned target area of the tube, each member having light transmitting strips alternating with light modifying strips, the light modifying strips of one of said members serving to block the passage of light, and means for shifting said remaining members sequentially in a predetermined order in timed relationship with the successive scannings of the said target area.

2,457,416
WHEEL AND BRAKE DRUM ORGANIZATION
Robert B. Temple, Grosse Pointe, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 18, 1947, Serial No. 774,801
3 Claims. (Cl. 301—6)

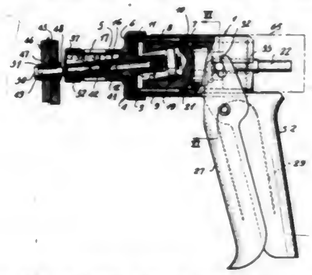


1. In a wheel, a hub having a radial flange, a brake drum having a mounting portion seated against the outboard face of said flange, a wheel body having a mounting portion seated against the outboard face of the mounting portion of said drum, and an annular series of bolting-on means extending through aligned holes in said hub flange, drum mounting portion and wheel body mounting portion for securing said parts together, the mounting portion of said drum being formed, intermediate at least some of its securing holes, with pry holes whose margins are offset outwardly of the plane of the main body of said drum mounting portion and the mounting portion of the wheel body being outwardly offset in the region of said pry holes to freely receive the offset margins thereof, said pry holes permitting the insertion of a prying tool for prying the brake drum off the hub flange after the bolting-on means have been released and the wheel body removed.

2,457,417
CUTTING TOOL
Herbert L. Trautmann, Los Angeles, Calif., assignor to Cherry Rivet Company, Los Angeles, Calif., a corporation of California
Application December 14, 1945, Serial No. 635,065
14 Claims. (Cl. 30—272)

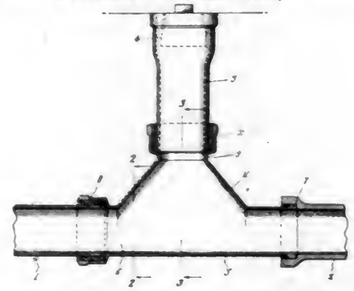
1. In a cutter for severing the protruding stem of a blind rivet, the combination of: a member having an orifice for receiving said stem and having sharpened edges; and a mechanism that

displaces said member about said stem with a planetary motion with respect to said stem



whereby said motion causes said sharpened edges to cut into said stem and sever said stem.

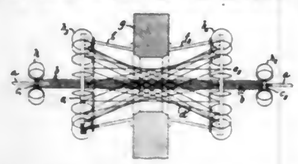
2,457,418
CLEANOUT Y
William C. Turpin and John R. Turpin, Newport News, Va.
Application April 30, 1946, Serial No. 666,135
2 Claims. (Cl. 285—210)



1. In clean-out connections of the Y-type for sewers and the like, wherein the connection includes a pair of axially-alined openings positioned for connection within the sewer formation and a third opening having its axis extending normal to the axis of the pair of openings and adapted for connection with a stem portion leading to the ground surface, a connection of such type having its body portion formed for open communication between said openings, said body portion including opposite wall portions connecting the zone of the single opening with the respective zones of the pair of openings, said wall portions presenting an outward and downward straight line flare of the body leading downward from the single opening and extending generally at a definite angle to the single opening axis and leading to the top zones of the pair of openings, each of such flared wall portions meeting the top of the sewer end zone at a definite angle to thereby establish a definite angular relation between such meeting point and such axially aligned openings.

2,457,419
HIGH-VOLTAGE BUSHING
Edward Uhlig, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application October 15, 1945, Serial No. 622,403
In Switzerland October 14, 1944
7 Claims. (Cl. 174—151)

1. A bushing for leading a high voltage conductor through an opening in a wall which is at a much lower voltage comprising inner and outer electrode members at the wall opening spaced radially of the conductor for controlling the electrical field around the conductor, said inner electrode member being constituted by a plurality of thin wires spaced parallel and ar-



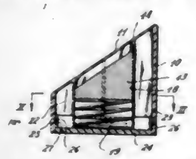
ranged concentrically around the conductor and conductively connected thereto, and said outer electrode member being constituted by a plurality of thin wires forming a cage concentrically about said inner electrode member and conductively connected to said wall.

2,457,420
PROCESS OF MAKING CORRUGATED GALVANIZED STEEL SHEETS
Nicholas P. Veeder, Clayton, Mo., assignor to Granite City Steel Company, Inc., Granite City, Ill., a corporation of Delaware
Application November 26, 1945, Serial No. 630,907
3 Claims. (Cl. 29—148)



1. The process of making corrugated galvanized steel sheets, which comprises galvanizing cold reduced strip material, omitting the conventional annealing, temper rolling and pickling operations and then corrugating such sheets to produce a sheet having greater resilience than sheets produced by the said conventional operations, the corrugating operation providing an initial shorter center-to-center distance between corrugations than in the case of conventional sheets that have been annealed and temper rolled, the resilience of the sheets causing them to elongate and have a final center-to-center distance between corrugations to be the same as in the case of said conventional sheets.

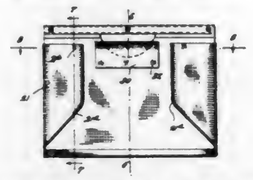
2,457,421
MAGNETIC RETAINER
Charles W. Warren, Burbank, Calif.
Application March 10, 1947, Serial No. 733,551
2 Claims. (Cl. 175—367)



1. A desk type magnetic retainer for paper clips and the like comprising a housing of non-magnetic material having a well therein with one portion of the well straight and having one end of the well closed at an acute angle to the axis of the well, a permanent magnet adapted to fit within the well and having one side thereof flatted to correspond with the straight portion

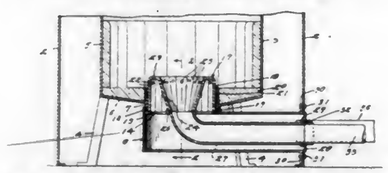
of the well and having poles thereof aligned to fit against the end wall of the well, whereby the poles of the magnet will be aligned with the inclined well wall, and means for retaining the magnet within the well.

2,457,422
COLLAPSIBLE LUNCH OR SHOPPING BAG
Clyde J. Warner, McKeesport, Pa.
Application March 15, 1946, Serial No. 654,682
1 Claim. (Cl. 150—1.7)



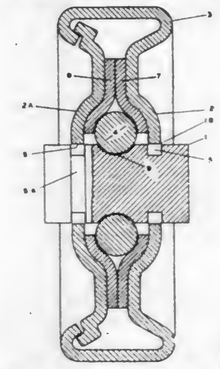
A collapsible handy bag of strong, foldable material, comprising a rectangular bottom and four rectangular sides of said material which are conventionally joined together along their adjacent portions, a reinforcing strip of stiff material permanently secured along each long side edge of the bottom and a similar short strip detachably secured along each of the short end edges thereof; other similar reinforcing strips being secured along the top edges of the long sides over which the top edges are folded and stitched, thereby forming the entrance opening, a pair of handles being provided beneath the top strips by the removal of a small portion of each long side to form a pair of opposed, centrally disposed apertures; a small aperture covering flap secured by stitching at one edge thereof below the handle opening to the inner side of one of the long sides, cooperating snap fastener elements disposed respectively on the other edge of the flap and on the inner side of the opposite long side for securing the free edge of the flap to the other long side; each of said rectangular short sides being foldable along a vertical line to form parallel and inwardly directed portions each detachably securable to one of the long sides.

2,457,423
FURNACE STOKER
Emory O. White, Albertville, Ala.
Application July 11, 1945, Serial No. 604,391
2 Claims. (Cl. 110—45)



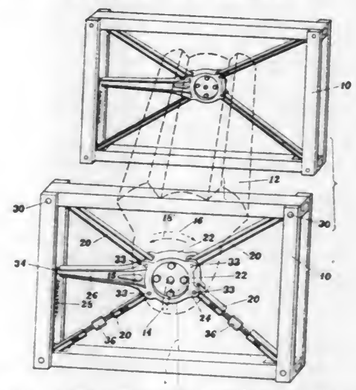
2. A warm air heating plant comprising a leg supported furnace having a centrally apertured bottom and a brick lined combustion chamber disposed thereabove, a cylindrical flange in the aperture, a retort in the flange and including radially spaced outer and inner parts joined at their upper ends, said retort parts being apertured above the combustion chamber bottom, a wind box having an opening with a cylindrical flange surrounding the first flange and with a radial flange underlying said first flange, and heat resisting sealing means between said flanges.

2,457,424
ROLLER WHEEL
Cecil Wolf, Rock Falls, and Neil M. Foulds, Sterling, Ill., assignors of one-half to The Rapids-Standard Company, Inc., Grand Rapids, Mich., a corporation of Michigan, and one-half to Frantz Manufacturing Company, Sterling, Ill., a corporation of Illinois
Application October 17, 1945, Serial No. 622,802
2 Claims. (Cl. 301—5.7)



1. In roller wheel construction the combination: an axle having a raceway for bearing balls thereon; a pair of wheel disks surrounding said axle and means holding said disks affixed to each other; means held between said wheel disks providing an outer bearing raceway and a plurality of bearing balls located in said raceway; a wheel flange mounted on and circumferentially surrounding said disks; a dirt arresting groove having substantially rectangular cross section circumferentially surrounding said axle and located thereon substantially in alignment with each of the said disks and slightly wider longitudinally of the axle than the corresponding thickness of the said disk, the axle receiving opening in said disk providing a close sliding fit with respect to said axle.

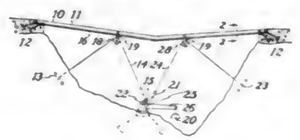
2,457,425
STABILIZING DEVICE FOR RESILIENT STRUCTURES
Merl R. Wolfard, Cambridge, Mass.
Application June 23, 1944, Serial No. 541,828
9 Claims. (Cl. 248—20)



9. Means for minimizing vibratory movements in a load-carrying resilient structure having

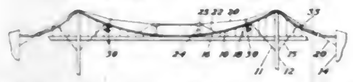
spaced apart regions which tend to approach each other and to recede from each other when the structure is subjected to disturbing forces, comprising in combination at least two stabilizing tying means each extending between two of said regions, the directions of said tying means being oblique to each other; bar leverage means having at least two short arms and having longer arm means; each said tying means having one of said short arms connected into it and constituting a part of itself; and means, other than the said stabilizing tying means, for continually applying force to said longer arm means for providing a loading which is common to said tying means and stresses each of said tying means when the structure is static; whereby when the structure is disturbed so that two of said tied regions which a said tying means ties together tend to recede from each other the tying means between those regions becomes subjected to a larger percentage of the said common loading than it carried when the structure was static.

2,457,426
DEVICE FOR ARRESTING UNDULATIONS IN BRIDGING STRUCTURES
Merl R. Wolfard, Cambridge, Mass.
Application November 5, 1945, Serial No. 626,661
7 Claims. (Cl. 14—1)



1. A structure having migratory loading means for arresting its own undulations—being a bridging structure, extending between supporting means and sustaining dead load and live load along the span between those supporting means, of a type in which there is a principal lengthwise element which is inflected so that an incipient depressing of that element in one end-half-portion of the span below its static position tends to cause rise of that element in the other end-half-portion of the span, and so that the said principal element extends from a said supporting means at an angle of less than 45° with the horizontal—said arresting means comprising a distribution of dead load relative to two particular regions of the said principal lengthwise element, each of which regions sustains a magnitude of dead load burden which exceeds that imposed on any other portion of equal extent along that element in the same end-half-portion of the span when the structure is static; each end-half-portion of the span having one of these particular regions, they being spaced apart a distance which is in the range of two-tenths to six-tenths of the length of the span between said supporting means; there being tying means extending from a common dead load burden directly to each of said regions, this common burden being sustained in part at each said region when the structure is static, and said part constituting a portion of the said greater magnitude of dead load burden at a said region; at least a major portion of the said common burden, so sustained in common, being available to migrate through the tying means to either of said regions, upon the advent of live loadings which tend to cause rise first at one of said regions and then at the other of these said regions.

2,457,427
SPRING MEANS FOR MINIMIZING UNDULATIONS IN SUSPENSION BRIDGES
Merl R. Wolfard, Cambridge, Mass.
Application March 1, 1946, Serial No. 651,346
5 Claims. (Cl. 14—18)



1. In a bridging structure, means for minimizing undulatory movements of a load-sustaining principal element—said element being anchored at its ends and supported upon intermediate towers, with a span between those towers having in each end-third-portion of the length of the span at least one stay which is fast to the principal element, inclined downward, and fast to the tower—said means comprising, in combination, a tension element extending above and along said principal element, at least through the mid-region of the span, said tension element being held at its ends against lengthwise slip relative to the principal element; and spring means engaged between said principal and tension elements for deflecting yieldably, the tension element, the yieldable force being applied against the principal element in a direction to oppose those undulatory movements of that principal element which are in a direction that would tend to unstress said stay.

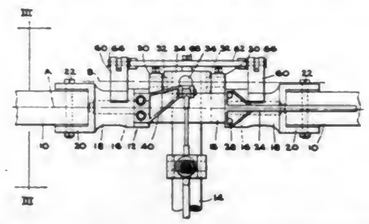
2,457,428
FISHING HOOK AND FLY
R B. Worden, Granger, Wash.
Application February 3, 1947, Serial No. 726,163
1 Claim. (Cl. 43—28)



In fishing tackle, a hook having a shank and an eye formed at one end of the shank, a snell passing freely through the eye and a bead having the end of the snell passed through the bead in one direction and back in the opposite direction to form a loop, the free end of the snell being knotted, and said hook shank passing through said loop whereby the looped and bead carrying end of the snell has sliding movement on the hook shank.

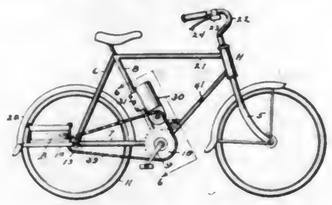
2,457,429
ROTARY WING AIRCRAFT
Arthur M. Young, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application May 9, 1945, Serial No. 592,823
8 Claims. (Cl. 170—160.26)

1. In an aircraft of the rotary wing type the combination which comprises a support having a main axis, a rotor comprising a hub arranged to rotate about said main axis, a universal joint mounting for said hub relative to said axis, said joint defining transverse pivot axes, two blades extending in opposite radial directions from said hub in a plane perpendicular to said main axis and below the plane of said transverse pivot axes, means rotatably journalling said blades upon said hub, means for rocking said hub and blades as a unit about one of said pivot axes for feathering



of said rotor, and means for individually rotating said blades upon their journalling means with respect to said hub for blade pitch changes.

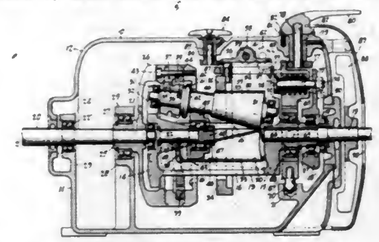
2,457,430
ELECTRIC BICYCLE
Stefanos Argyris, New York, N. Y.
Application February 20, 1946, Serial No. 648,971
2 Claims. (Cl. 180—34)



1. The combination with a bicycle of the conventional type which includes a frame, front and rear wheels, a coaster brake assembly in the rear wheel, front and rear sprockets, the front sprocket having attached pedals and the rear sprocket being carried by the rear wheel, of an electric motor secured to the bicycle frame in a position to have its shaft lie fore and aft of the bicycle, reducing gearing connected to the motor shaft and including a shaft which lies transversely of the bicycle frame, a clutch element upon the last named shaft, a second clutch element coacting with the first clutch element to constitute an overrunning clutch, a sprocket chain, a sprocket carried by the second clutch element over which said sprocket chain passes, said chain likewise engaging the front sprocket wheel and the rear sprocket wheel.

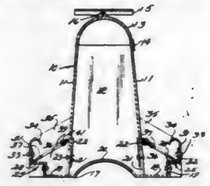
2,457,431
VARIABLE-SPEED TRANSMISSION
Alfred G. Bade, Wauwatosa, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 30, 1944, Serial No. 556,524
7 Claims. (Cl. 74—281)

1. In a variable speed transmission the combination of a housing horizontally split to form a base portion and a separable cover portion, a cage rotatable in said housing, means including bearings carried by said base portion for supporting said cage independently of said cover portion, a set of inclined planet rollers mounted for rotation with and with respect to said cage, a ring encircling said rollers and in rolling contact therewith, means carried by said base portion independently of said cover portion for shifting said ring relative to said rollers to vary the speed ratio of the transmission, and means carried by said cover portion and operable from



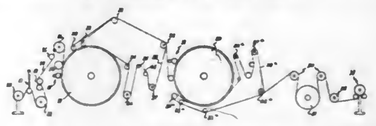
a point externally of said housing for actuating said last named means.

2,457,432
POULTRY FEEDER
Dana R. Ballard, Madera, Calif.
Application January 10, 1947, Serial No. 721,245
3 Claims. (Cl. 119—53)



1. A poultry feeder, comprising a hopper adapted for containing feed and including sides and ends having portions extending externally transversely of the hopper, a tray secured to the lower end of the hopper and including portions extending externally transversely of the hopper, vertically upstanding flanges carried by the outer edges of the tray, adjustable Z-shaped members attached to the upstanding flanges, adjustable guards attached to the Z-shaped members, feeder strips supported upon the Z-shaped members and the sides of the hopper, adjustable shutters mounted upon the feeder strips, both ends of said transverse tray portions, said Z-shaped members, said guards and said feeder strips being enclosed by the transversely extending portions of the ends of the hopper, and a cover for the hopper.

2,457,433
APPARATUS FOR COATING PAPER
William Barrett, International Falls, Minn., assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn.
Application November 24, 1943, Serial No. 511,752
6 Claims. (Cl. 91—55)



1. A device for coating paper which comprises means for passing a web forwardly, a cylindrical backing means carrying the web of paper, a coating unit disposed adjacent the backing means and including a resilient surfaced roll which contacts the web of paper upon the backing means and positively driven means for holding the coated web in close contact with the backing means sur-

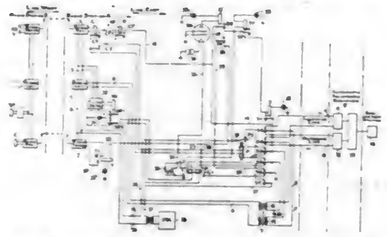
face after the coating material had been given a preliminary set by heat drying during its passage over a portion of the backing surface means, said positively driven means for holding the web in close contact with backing means being located a considerable distance around the periphery of the backing means in the direction of movement of the web from the position of the coating unit.

2,457,434

SIGNALING SYSTEM FOR TWO-WAY DIALING OVER RADIO AND CARRIER TELEPHONE CIRCUITS

Everhard H. B. Bartelink, Bronxville, N. Y., assignor to General Telephone Corporation, New York, N. Y., a corporation of New York

Application February 20, 1947, Serial No. 729,830
9 Claims. (Cl. 250—6)



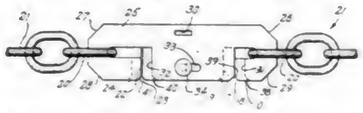
6. In a two-way dial telephone signaling system for relaying signals between a low-frequency wire circuit and a carrier wave circuit: a carrier wave transmitter and receiver; an incoming and an outgoing wire circuit; a carrier relay responsive to carrier current incoming to said receiver and to dialing interruptions thereof; a slow-release relay responsive to said carrier relay; a transmitter relay for energizing said transmitter to transmit outgoing carrier; a sequence relay energized by said slow-release relay for energizing said transmitter relay and for connecting said incoming circuit to contacts of said carrier relay for repeating in said circuit the dialing pulse operation of said carrier relay; a line relay; means including release contacts of said sequence relay, for connecting said line relay to said outgoing circuit, and for energizing said relay; and means including operate contacts of said line relay, for energizing said transmitter relay, said line and transmitter relays responding to dialing pulses, for interrupting the outgoing carrier in response to dialing signals received over said outgoing line.

2,457,435

AUTOMOBILE CHAIN SNAP

Lawrence R. Beckman, Erhard, Minn.

Application March 28, 1947, Serial No. 737,872
5 Claims. (Cl. 24—73)



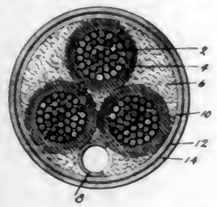
1. An automobile chain snap including a substantially rectangular front plate provided with two hook shaped slots adjacent its ends, the vertical portion of each slot extending in the same direction and the horizontal slot portions extending in opposite directions, a rear plate having the same size and shape as the front plate and provided with two hook slots of the same width as the slots in the front plate, the two plates being slidably connected with each other, the vertical slot portions in the rear plate being located so that the inner edge of one of said slot portions coincides with the outer edge of the corresponding slot portion in the front plate and the outer edge of the other vertical slot portion in the rear plate coincides with the inner edge of the corresponding slot portion in the front plate, when the two plates are arranged to cover each other.

2,457,436

HIGH-TENSION ELECTRIC CABLE

Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Application May 9, 1944, Serial No. 534,722
1 Claim. (Cl. 174—26)



A sealed electric cable comprising in combination a plurality of separately insulated conductors, fillers about the exterior of said insulated conductors to build up the desired cross section, a tight fitting metal sheath extruded about said assembly of conductors and fillers, said conductor insulation consisting of an oil permeable tape wrapped about each conductor, said fillers consisting of oil permeable material, the tape and fillers being oil impregnated, a tubular fluid-distribution conduit within the cable, said conduit being in the form of a flexible open helix extending continuously the length of the cable, and cabled with the said conductors and means for maintaining the cable under superatmospheric pressure under all conditions of cable operation, said means comprising a mixture of oil and dichloro difluoromethane under superatmospheric pressure filling said conduit and the spaces between the overlapping tape wraps of the conductors and permeating and filling the voids and interstices of the fillers.

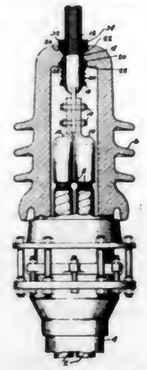
2,457,437

TERMINAL BUSHING FOR POWER CABLES

Charles E. Bennett, Ridgewood, and Paul V. White, Rochelle Park, N. J., assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Application August 9, 1944, Serial No. 548,688
3 Claims. (Cl. 174—77)

1. A terminal for electric cables comprising in combination an insulating casing under internal superatmospheric pressure for receiving a cable conductor which is to be terminated, a connector for attachment to the terminal end of the cable conductor, said connector projecting through the terminal end of the insulating casing, an abutment on said connector within the insulating casing and rigid with the connector, a non-metallic gasket surrounding the connector and interposed between it and the inner face of the insulating casing, a compression ring for said gasket loose upon the connector, a spring under compression carried by the connector between said connector abutment and said compression ring, a non-metallic gasket at the outer face of the terminal end of the insulating casing between the insulating casing and the connector, a compression ring therefor, and a nut threaded upon the connector and bearing against said last mentioned compression ring and maintained thereby out of contact with said insulating casing, said compression rings, nut and connector being out of contact with the insulating casing, tightening of said nut compressing said gaskets between their respective compression rings and the insulating casing.

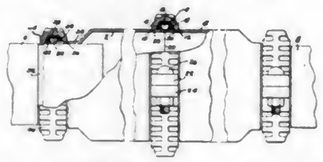


2,457,438

JOINT FOR PIPE LINES

Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Application July 23, 1946, Serial No. 685,574
4 Claims. (Cl. 285—194)



1. In a joint for electric cable systems, a coupling for coupling the joint casing to a pipe line of the system and which extends into the casing, the combination of a continuous gasket of resilient material and composed of a web and two side flanges stretched about the pipe line and joint casing, one flange of the gasket resting upon the joint casing, the other upon the pipe line, and a housing for the gasket, said housing being composed of two sections bolted together, the two sides or edges of the housing being shouldered to provide two annuli constituting keys which enter annular grooves formed in the pipe line and joint casing.

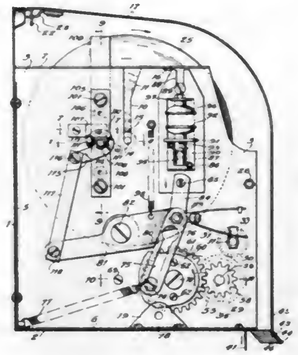
2,457,439

DISPENSING APPARATUS FOR SHEET MATERIAL

Rudolph G. Birr, Lombard, Ill., assignor, by mesne assignments, to American Linen Supply Co., Carson City, Nev., a corporation of Nevada

Application July 14, 1944, Serial No. 544,919
9 Claims. (Cl. 242—55.5)

1. A dispensing device comprising a measuring roll, a stop mechanism controlled by and controlling said roll, a supply roll of paper freely rotatable on a support, means for exerting a braking pressure on said roll, and means operated through the stop mechanism for causing said braking pressure means to apply pressure to prevent continuation of supply roll rotation when the stop is set, the said braking pressure means being adapted to relieve the pressure when the stop mechanism is released.

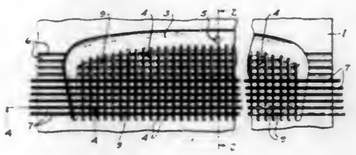


2,457,440

METHOD FOR PRODUCING TUFTED PLASTIC COMBS

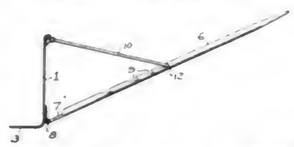
Herbert L. Booth, Staten Island, N. Y.

Application June 5, 1947, Serial No. 752,755
4 Claims. (Cl. 18—59)



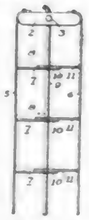
4. The method of making an injection molded comb whose teeth are provided with opposed tufts in the inter-tooth spaces, which method comprises providing an injection mold having a pair of molding sections adapted for relative movement between an open position wherein they are in spaced relation and a closed position wherein they are in abutting relation, each section of said pair having a recessed molding surface portion forming with the other section of said pair in the closed position an internal comb molding cavity and parallel rows of openings, each row providing a passageway connecting successive tooth-forming portions of said cavity; disposing a length of compacted tuft-forming cord in each row of opening forming recesses of one of said sections while the mold is in open position, each of said cords being of substantially the same cross-sectional area as the openings of its row so as to seal said openings with the mold in closed position; closing said mold; filling said comb cavity with a settable liquid plastic under pressure; opening said mold when the plastic has sufficiently set and removing the comb formed; and, severing the tuft-forming cord between the comb teeth to form the opposed tufts.

2,457,441
CHEESE PUSHER
Frank B. Branchfield, Sr., Canton, Ill.
Application September 27, 1946, Serial No. 699,804
5 Claims. (Cl. 210—149)



3. In a pushing implement as described, the combination with a longitudinally extending frame and a reticulated screen mounted therein, and an adjustable handle pivoted on the frame, of a brace arm having a pivotal joint on the frame and spaced from the handle pivot, a longitudinally extending blade rigid with the frame and disposed at an angle therefrom, and co-acting means on the free end of the arm and on the handle for retaining the frame and handle in adjusted angular position.

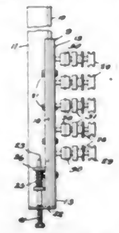
2,457,442
LADDER TAPE
George F. Brent, Pittsburgh, Pa., assignor to Brent Industries, Inc., a corporation of Pennsylvania
Application July 14, 1945, Serial No. 605,074
10 Claims. (Cl. 160—178)



1. In a Venetian blind including a supporting bar, two horizontally spaced flexible ladder-like hangers suspended from said bar, a series of slats supported in vertical spaced re'ation by the cross arms of said ladder-like hangers, and a cord extending downward from the supporting bar at each hanger and extending through openings in the slats; the invention herein described wherein said ladder-like hangers each comprise two flexible hanger members extending vertically upon the front and rear edges of the series of slats, and a series of spaced cross arm elements secured to each hanger member and extending between said slats, the cross arm elements of one hanger member being paired with the cross arm elements of the other hanger member and being interengaged by said cord associated with the hanger to provide slat-supporting cross arms.

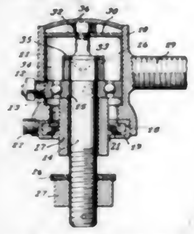
2,457,443
TROLLEY FOR ELECTRIC CRANES
Eugene W. Burroughs, Sr., Norfolk, William J. Byrd, Suffolk, and Miles P. Seawell, Norfolk, Va.
Application October 1, 1948, Serial No. 52,262
4 Claims. (Cl. 191—45)

1. A trolley arm for use with multiple trolleys, comprising a base plate having a rectangular opening formed therein, a movable plate mounted on the base plate over said opening, arms secured to the plate and being insulated from the plate, trolley wheels mounted at the outer ends of the arms and on which the trolley wires rest, plates secured to the base plate with portions thereof overlying the side edges of the movable plate, holding the movable plate in position on the base



plate, and yieldable means connected with the movable plate and base plate, normally urging the movable plate in one direction forcing the trolley wires into engagement with the trolleys associated therewith.

2,457,444
TIE ROD END INSTALLATION
Donald E. Cave, Griffin, Ind.
Application October 18, 1946, Serial No. 704,267
2 Claims. (Cl. 287—90)

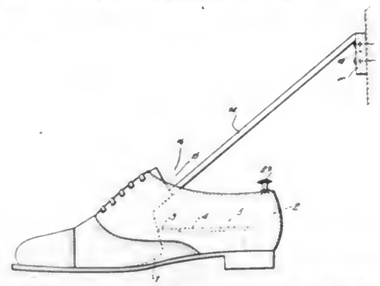


1. A tie rod end comprising an inverted cup-shaped housing open at its lower end and formed intermediate its upper and lower ends with an internal shoulder, a ball bearing unit axially arranged above said internal shoulder with its outer race engaging the interior of said housing, a bolt axially depending through the inner race of said ball bearing unit and reaching below the open lower end of said housing, said bolt having a head on its upper end resting upon said inner bearing race, said head being formed with an upwardly facing ball socket, a ball therein having an upwardly extending shank, a washer spaced above said bolt head to which said shank is secured whereby said bolt is supportably connected to said washer, said washer being larger in diameter than said internal shoulder whereby upon disintegration of said ball bearing unit and consequent fall of said bolt said washer will be supported by said internal shoulder in a manner to prevent said bolt from falling through the open lower end of said housing.

2,457,445
COMBINATION SHOE TREE AND SHOESHINE BRACKET
Verne Clair, Rye, N. Y.
Application May 4, 1946, Serial No. 667,240
3 Claims. (Cl. 12—128.6)

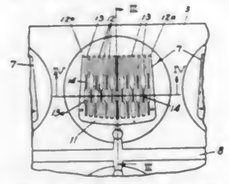
1. A shoe tree having a substantially full instep portion with its central portion having a longitudinally-extending socket substantially aligned with the center of the bottom of said shoe tree along a line transversely aligned with the

ball portion thereof, a straight bar having a lower end fitting slidingly in said socket and an upper end provided with releasable means for mounting



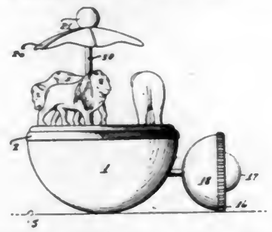
it to a support with said shoe tree substantially horizontal, and releasable means for retaining said bar's lower end in said socket.

2,457,446
PUSH COMB
Harold S. Cloyd, Erie, Pa., assignor to National Organ Supply Company, Erie, Pa., a corporation of Pennsylvania
Application July 12, 1944, Serial No. 544,573
1 Claim. (Cl. 132—21)



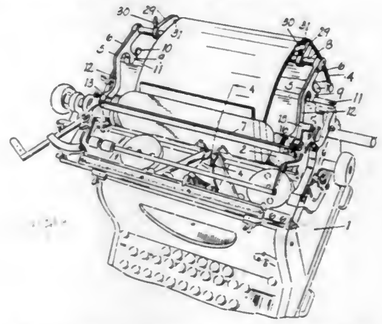
A push comb injection molded in a single step from thermoplastic synthetic resin and comprising a back and spaced teeth extending from the back and curved longitudinally and transversely in the molding operation to provide a generally spherical contour to the comb surface, adjacent teeth being separated a substantial distance over a portion of their length and having portions forming a constriction therebetween where the teeth are in substantial contact solely as a result of the cooling shrinkage after the molding operation, and the comb retaining its original shrinkage stresses.

2,457,447
CARROUSEL TOY FOR CHILDREN
Irwin Cohn, Leominster, Mass.
Application June 4, 1946, Serial No. 674,275
2 Claims. (Cl. 272—31)



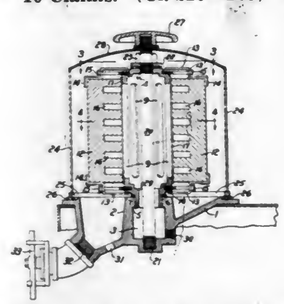
1. A carousel toy for children comprising a hemispherical body member, a cover body member, a plurality of objects arranged about the peripheral area of the cover body member, a spring motor within the body member, a shaft projected through the body member and rotatably connected to said spring motor and a driving wheel carried by said shaft, the hemispherical body member and wheel being adapted for simultaneous contact with a plane support, the wheel being adapted to rotate the body member on its vertical axis.

2,457,448
MANIFOLDING DEVICE
Delbert G. Dalby, Amarillo, Tex., assignor to Roberts Paper Company, Amarillo, Tex.
Application March 30, 1946, Serial No. 658,463
9 Claims. (Cl. 197—126)



3. A manifolding apparatus including in combination a platen of a typewriting machine, a bar-like clamp member disposed beyond the platen relative to the path of travel of the paper thereover, an eccentrically mounted manually rotatable rockshaft, clamping shoes mounted on said rockshaft to be actuated to and from coacting clamping relation with said clamp member by rotative movement of said rockshaft, said shoes being spaced to lie outside of the side edges of a sheet of paper in said machine and to clamp the tabs of a carbon pack comprising a plurality of carbon sheets having laterally projecting side edge tabs to said clamp member.

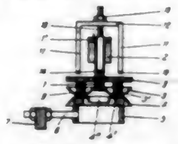
2,457,449
FILTER
John V. Davis and John S. Hoffman, Detroit, Mich., assignors to The Udylite Corporation, Detroit, Mich., a corporation of Delaware
Application May 13, 1946, Serial No. 669,310
10 Claims. (Cl. 210—120)



1. In a filter, a hollow frame having a plurality of outward faces, each face having a longitudinal slot, a filter block secured to each of

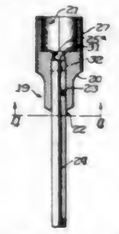
said faces in overlying relation to the slot thereof and having cavities opening at said slot, and a gasket inserted between each block and the adjacent face and having a slit along said slot and cavities.

2,457,450
YARN TENSIONING DEVICE
Raymond Dewas, Amiens, France
Application June 5, 1946, Serial No. 674,494
In France March 26, 1946
20 Claims. (Cl. 242—150)



1. A yarn tensioning device which comprises a fixed support, a spindle secured by one of its ends to said support and projecting downwardly therefrom, an upper disc rotatably mounted on said spindle, a fixed concentric ring located below and spaced apart from said upper disc, a lower disc adapted to rest on the upper face of said fixed ring and having a central hole therein for the evacuation of the material or fluff which becomes detached from the yarn as it passes between said discs, the length of said spindle being limited so that its lower end is located above the level of the plane of contact of said upper and lower discs.

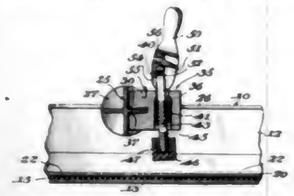
2,457,451
METHOD OF MAKING INTERNAL WRENCHING TOOLS
Lawrence C. Domack, Elmwood Park, Ill.
Application June 16, 1947, Serial No. 754,858
5 Claims. (Cl. 76—114)



1. A method of joining a socketed shank to a non-circular cross-section bit, to form an internal wrenching tool, comprising the steps of: (*a*) forming a bore in said shank; (*b*) broaching a portion of said bore to a cross-section corresponding in shape but slightly smaller than said bit; and (*c*) pressing an end portion of said bit entirely through the broached portion of said bore and into the unbroached portion thereof to enlarge said bore sufficiently to hold the bit therein by frictional engagement.

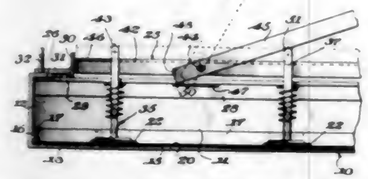
2,457,452
LITHOGRAPHIC PLATE GRAINING MACHINE CLAMP
Martin G. Dunn, Washington, D. C.
Application December 3, 1946, Serial No. 713,690
5 Claims. (Cl. 51—6)

1. In a lithographic plate graining machine, a grainer tub, a supporting member extending above and in spaced relation to the bottom of the tub, and at least one plate clamp carried by said member, said clamp comprising a body portion secured to said member, a presser foot depending from



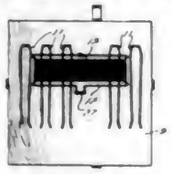
said body portion, means for urging said foot resiliently downwardly upon a plate resting upon the bottom of said tub, and manually adjustable cam means for raising said foot from operative clamping position.

2,457,453
MULTIPLE CLAMP FOR LITHOGRAPHIC PLATE GRAINING MACHINES
Martin G. Dunn, Washington, D. C.
Application January 6, 1947, Serial No. 720,389
10 Claims. (Cl. 51—6)



1. In a lithographic plate graining machine, a grainer tub, an elongated clamp supporting frame secured to and extending across and above the tub in spaced relation to the bottom thereof, a plurality of plate clamps carried by said frame, each of said clamps including a presser foot adapted to exert bearing pressure upon a plate resting upon the bottom of the tub, means for resiliently urging said feet downwardly toward said plates, and means for simultaneously raising said clamps from and lowering them to clamping position.

2,457,454
SOFTBALL KIT
Henry Lee Dunlap, Dearborn, Mich.
Application June 7, 1946, Serial No. 675,205
2 Claims. (Cl. 273—25)



1. A kit of equipment for laying out and setting up a softball playing field comprising a plurality of flat plates for use as bases, each plate having a plurality of identically arranged slots therein, a plurality of stakes for holding down said bases, a laterally extending head portion at the upper end of each stake, a layout line and winder therefor, a laterally extending flange portion projecting from said winder fitted in one of said slots, said

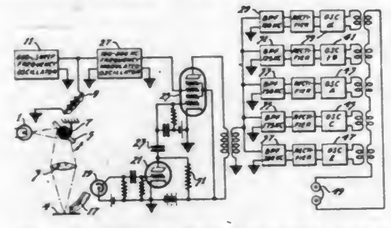
stakes and winder lying substantially flat on one of said plates with the lateral projections of said stakes fitted into certain of said slots in said one plate, the remainder of said plates placed above and below said plate containing the stakes and winder, and means for substantially holding said plates together in their assembled position.

2,457,455
CLINICAL THERMOMETER
Logan Eisele, Nashville, Tenn.
Application May 4, 1944, Serial No. 534,064
2 Claims. (Cl. 73—371)



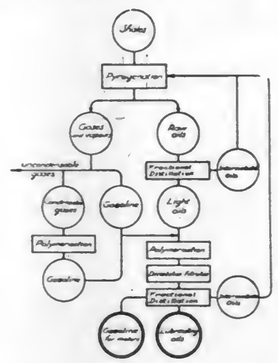
1. A clinical or self-registering thermometer comprising a stem portion having a small bore therethrough, a mercury containing bulb joined to said stem, said stem having a cavity in its lower end communicating with said bulb and said bore, said bulb being formed at one end with a perforated neck member which carries at its distal end an enlargement which extends into said cavity, the outer surface of said enlargement and the inner surface of said cavity defining therebetween small leakage openings of such size that the forces of gravity and cohesion are unable to cause mercury to pass therethrough but at the same time large enough that a reasonable amount of shaking or slinging will cause mercury to pass therethrough, said bulb and said bore being partially filled with mercury and evacuated.

2,457,456
READING AID FOR THE BLIND
Leslie E. Flory, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 14, 1946, Serial No. 669,542
17 Claims. (Cl. 250—41.5)



4. The combination which includes means for scanning an area in one direction with a spot of light while advancing said spot across said area in a direction at an angle to the scanning direction; a source of oscillations; means for modulating the frequency of said oscillations in synchronism with the scanning movement of said spot; a plurality of frequency selective filter networks each responsive to a different frequency; means for applying said frequency modulated oscillations to said networks; means for varying the amplitude of said applied oscillations in accordance with the amount of light reflected from said area at any instant, means for producing currents of distinctive frequencies characteristic of each of said networks; and means for controlling individually the amplitudes of said currents in accordance with the variations of amplitude of said applied oscillations.

2,457,457
METHODS FOR TREATING BITUMINOUS SHALES
Jean Léon Maurice Fréjacques, Paris, France, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France, a corporation of France
Application April 24, 1945, Serial No. 590,106
In France February 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 13, 1962
4 Claims. (Cl. 196—78)

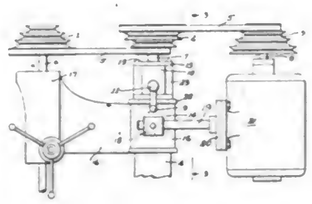


1. A method for producing a sulfur-free high grade lubricant from bituminous schists, which comprises initially distilling said schists in the presence of a recycle oil fraction of boiling range intermediate lubricating oil and gasoline and obtained from a prior fractional distillation operation, to produce a distillate oil, subjecting the distillate oil so produced to fractional distillation to obtain a lighter fraction and a heavier fraction, subjecting the lighter fraction to a polymerization treatment with a metal halide catalyst of the Friedel and Crafts type to produce a polymerization product, fractionating the polymerization product to obtain a plurality of fractions including a lubricating oil fraction and a recycle oil fraction of boiling range intermediate lubricating oil and gasoline, and recycling said recycle oil fraction to the initial distillation operation.

2,457,458
SPEED DEVICE
Clyde A. Girod, Winona, Minn.
Application November 27, 1945, Serial No. 631,201
4 Claims. (Cl. 74—242.1)

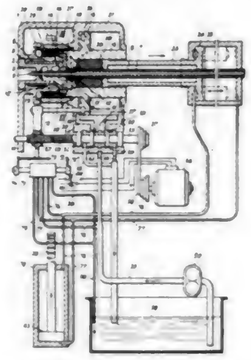
1. A crank for the speed belt drive for drill presses and the like comprising a drive pulley,

a driven pulley, a speed change pulley, a first belt driving the speed change pulley from the drive pulley, a second belt for driving the driven pulley from the speed change pulley, a hollow column, means slidably mounted in the said hollow column and comprising a standard having a



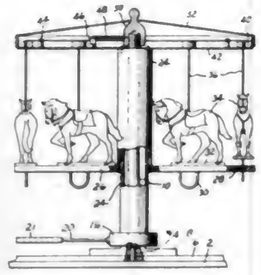
threaded hole diametrically therethrough, a screw rotatable in said threaded hole, a bar secured to said screw for translation therewith, and a stub shaft for said speed change pulley secured to said bar for translation therewith.

2,457,459
PRESS FOR THE COVERING OF ELECTRODE RODS
Karl Gloor, Zurich, Switzerland
Application June 18, 1945, Serial No. 600,201
In Switzerland May 31, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 31, 1964
9 Claims. (Cl. 18—13)



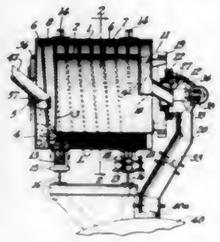
1. A press for coating electrode rods, comprising a fixed cylinder head containing a pressing nozzle, a cup-shaped case having an inner chamber directed toward said nozzle for transmitting a coating mass to said nozzle, and further having openings formed in the front end thereof, another case having a web located adjacent the first-mentioned case and having openings formed therein and adapted to aline with the openings of the first-mentioned case, means connected with the second-mentioned case for rotating it relatively to the first-mentioned case to bring the openings of the two cases in and out of alinement, means engaging said cases to cause them to move jointly longitudinally and a filling piston movable within the second-mentioned case, whereby relative longitudinal movement between said filling piston and the second-mentioned case will press the coating mass into said inner chamber when the openings are in alinement.

2,457,460
TOY, MORE PARTICULARLY TOY MERRY-GO-ROUND
Harold R. Goodale, Bristol, Conn.
Application October 23, 1946, Serial No. 705,161
7 Claims. (Cl. 272—31)



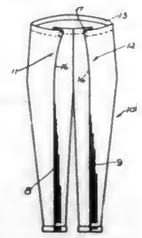
2. In a toy of the character indicated, a carrier, means for rotating the carrier around an axis, a series of figures distributed around the periphery of the carrier, a string for suspending each figure, a pulley, and means responsive to rotation of the carrier for causing the pulley to successively engage and displace the strings.

2,457,461
CATALYST FEEDER
Johan E. A. Graae, New York, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application May 29, 1946, Serial No. 673,125
6 Claims. (Cl. 214—17)



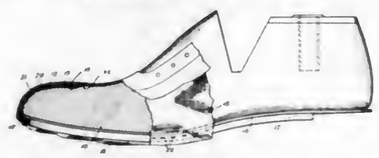
6. A feeder device for granular material, including a rotor comprising a pair of concentric drums, the outer drum projecting axially beyond one end of the inner drum, a helical wall extending between the concentric walls of said drums and defining therewith a helical tubular conduit coaxial with the drums and open at its ends for reception and discharge respectively, of said material, said helical wall extending into the portion of the outer drum projecting from said end of the inner drum and defining, with the outer drum, an open helical channel to receive the material for passage to said tubular conduit, and means supporting the rotor for rotation about the helix axis of said conduit in a horizontal position to cause gravitation of the material within the conduit to one side of the axis and thereby form of the material a gas seal within the conduit, for axial advance of the material through said channel and conduit and for maintenance of the gas seal during said advance.

2,457,462
TROUSERS
Max Gray, New York, N. Y.
Application January 31, 1945, Serial No. 575,457
6 Claims. (Cl. 2—237)



1. In a garment of the type worn downwardly from the waistline, a pleat formed of the material of the garment, extending outwardly and downwardly from the waistline of the garment; said pleat being adapted to be folded to lie flat against the garment; said garment including in its unpleated material a plurality of pockets extending downwardly from the waistline adjacent the crease line of the pleat lying flat against the garment and a pleat securing means on the garment comprising an inverted substantially U-shaped member, the arms of which are adapted to hold garment material placed between them; one arm of said member being inserted with its free end downwardly between plies of the pleat along the crease line of said pleat and the other arm of said member being inserted in one of said pockets; the waistline size being adapted to be changed by shifting the latter arm of said member from one pocket into another of said pockets.

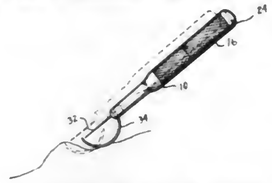
2,457,463
PROCESS OF MAKING SAFETY SHOES
Wirt G. Greenan, Revere, Mass.
Application April 1, 1948, Serial No. 18,459
4 Claims. (Cl. 12—146)



1. The process of making safety shoes which includes the steps of placing a lining and a plastic toe box upon the toe end of a last having a transverse ridge approximately at its tip line and extending to the bottom edge of the last on both sides, placing a metal toe box over the plastic box with its rear arched edge disposed wholly in front of the ridge on the last, padding the outer surface of the metal toe box, and then lasting the leather tip of the upper smoothly over the assembled parts.

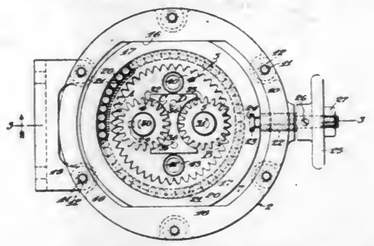
2,457,464
SURGICAL INSTRUMENT
Leo L. Grose, Attica, N. Y., assignor of twenty-five per cent to Joseph Grose, Niagara Falls, N. Y.
Application November 8, 1946, Serial No. 708,637
1 Claim. (Cl. 128—347)

A surgical instrument including a handle, a needle secured to said handle, and a guard member of arcuate form carried by said handle having a central portion curving outwardly from said needle and a point portion extending beyond and adjacent the point of said needle when extended and adapted to limit the penetration of said needle, said handle having an interiorly threaded barrel member operatively associated



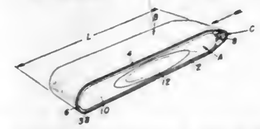
with an exteriorly threaded cylinder provided terminally with needle holding means, and a member rotatably mounted on said barrel with a portion thereof extending within said cylinder to rotate the same and thus extend and retract said needle.

2,457,465
VARIABLE DISPLACEMENT GEAR PUMP
Christian E. Grosser, Warwick, R. I., assignor, by mesne assignments, to Cread Engineering and Research Company, Cranston, R. I., a corporation of Rhode Island
Application April 27, 1946, Serial No. 665,440
6 Claims. (Cl. 103—120)



1. A variable-displacement gear-pump comprising a casing, a ring-gear rotatable within the interior of the casing, means for adjusting the ring-gear in a direction diametrically of its axis, a pair of pinions journaled in spaced relationship within the casing with their teeth in mesh with the teeth of the ring-gear, a separator held fixedly within the casing between the pinions and provided with concave faces on its opposite sides in contact with the peripheries of the teeth on the two pinions, and suction and discharge openings in the casing located on opposite sides of a line passing through the axes of both of said pinions, said openings being separated from each other at all times by said pinions, said ring-gear and said separator.

2,457,466
HAND-OPERATED ABRADER
Atto N. Hanna, Atlantic Highlands, N. J.
Application November 28, 1945, Serial No. 631,297
1 Claim. (Cl. 51—185)



A hand-operated abrader comprising a supporting block having end walls, opposite side walls

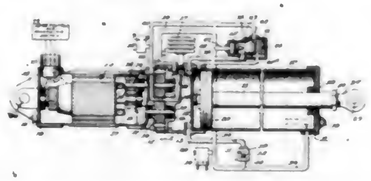
and long flat top and bottom walls, said top and bottom walls being parallel, said opposite side walls having hand hold depressions, one of said end walls being smoothly and bluntly curved and the other of said end walls having a central flattened portion, said block having a pair of holes extending inwardly parallel to said top and bottom walls from said flattened portion of said other of said end walls, said holes being provided with shoulders disposed inwardly from said flattened portion, a friction lining affixed to said top and bottom walls and said smoothly rounded end wall, a removable flexibly backed abrasive strip in continuous form enveloping the top, bottom and end walls of said block, said enveloped top and bottom and said other of said end walls being exposed for abrasive action, the side walls of said block being exposed to be grasped by the operator's hand, a sharply curved pusher bar provided with a pair of supporting arms each adapted to fit within one of said holes in said supporting block, and a coil spring loosely surrounding each of said supporting arms, each of said springs adapted to have one end seated against the shoulder in the appropriate holes and the other end active against said pusher bar, said pusher bar being located between said block and said abrasive strip and resiliently urged by said abrasive strip and resiliently urged by said springs into contact with the interior of said continuous abrasive strip so as to be frictionally active thereupon to releasably hold the same under tension in non-slipping relationship to said block, the strip being rotationally movable over the top, bottom and end walls of the block and over said pusher bar for bringing a fresh abrasive surface thereof over any desired one of said walls only when said springs are contracted, the top and bottom walls of said abrader in conjunction with said abrasive strip defining broad flat abrasive surfaces, the bluntly curved end wall of said block in conjunction with said abrasive strip defining a bluntly curved abrasive surface, and said pusher bar in conjunction with said abrasive strip defining a curved abrasive surface of extreme narrowness.

2,457,467

ELECTRICALLY AND HYDRAULICALLY OPERATED EXTENSIBLE STRUT

Milton V. Hartman, Chicago, Ill., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware

Application March 8, 1945, Serial No. 581,699
4 Claims. (Cl. 60—52)



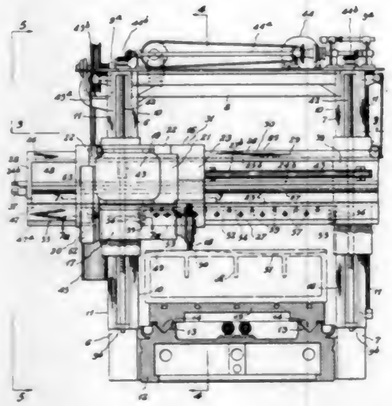
3. An electrically and hydraulically operated extensible strut comprising an elongated casing having a plurality of fixed, spaced apart cross partitions whereby it is divided into a longitudinally extending cylinder at one end, a motor compartment at the other end, and a fluid reservoir and a pump compartment between the cylinder and the motor compartment, a piston slidably mounted in the cylinder and provided with an outwardly projecting piston rod extending slidably through the cross partition that defines the outer end of the cylinder, a reversible electric motor mounted in the motor compartment, a gear pump mounted in the pump compartment, and connected for drive by the electric motor, means forming a first fluid passage extending between, and communicating with, one side of the gear pump and the inner end of the cylinder, means forming a second fluid passage extending between, and communicating with, the other side of the gear pump and the outer end of the cylinder, means forming a third fluid passage extending between, and communicating with, the reservoir and the second passage, a check valve positioned in the third passage and closing in the direction of the reservoir, a valve casing interposed in the first passage and having an outlet and a spring closed valve for the outlet, means forming a fourth fluid passage leading from the outlet to the reservoir, and means operative in response to the pressure of the fluid in said second passage when the pump is driven to supply fluid under pressure through said second passage into the outer end of the cylinder to open said spring closed valve, the last mentioned means consisting of a coacting piston and cylinder and a fluid passage leading from the second passage to the last mentioned cylinder.

2,457,468

METHOD OF AND APPARATUS FOR CORRECTING DEVIATIONS IN CROSSRAILS OF MACHINE TOOLS

Lad L. Hercik, Lakewood, Ohio

Application December 31, 1945, Serial No. 638,530
15 Claims. (Cl. 51—166)



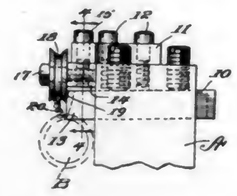
1. Apparatus of the character described, comprising: elongated continuous suspended cross-rail means having supporting means restricted to a localized area along its length, and having also an unsupported portion extending beyond said supporting means, a carriage movable on said unsupported portion and subjecting the same to deviation under load stresses from the intended rectilinear form of said cross rail means, and a rectifying device carried by said cross-rail means and including means operable to exert a flexing force upon said unsupported portion of said cross-rail means, said flexing force being exerted counter to said load stresses, thus to flex the unsupported portion of the cross-rail means to its intended rectilinear form when subjected to said load stresses.

2,457,469

CHIP BREAKER

Lloyd A. Hillman, Bay City, Mich., assignor of one-half to Lowell R. Cuthbert, Essexville, Mich.

Application April 19, 1945, Serial No. 589,131
1 Claim. (Cl. 29—96)



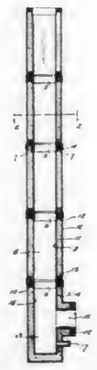
In a metal turning machine, a holder mounted on said machine, and a tool carried by said holder for turning a work piece, the improvement consisting of operatively connecting a device to said holder for kinking and breaking the shavings removed from said work piece, said device comprising a plate arranged in superposed relation with respect to said holder and releasably secured to the latter, a portion of said plate projecting beyond said holder and positioned above said tool, a bearing dependingly supported by said projecting portion and adjustably mounted for lateral movement with respect to said plate, a horizontally-disposed shaft projecting from the forward face of said bearing and secured to the latter, and a grooved roller rotatably mounted on the projecting end of said shaft.

2,457,470

INSULATED CHIMNEY

Ernest O. Howle, Chicago, Ill.

Application December 5, 1945, Serial No. 632,863
3 Claims. (Cl. 72—92)



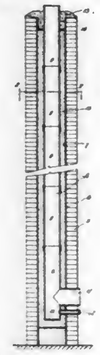
1. A sectionalized chimney comprising a plurality of sections, every section having a vitrified metallic flue casing and an outer metallic casing spaced from the flue, and a filling of finely ground aluminum silicate filling the space between the casings, and end plugs comprising rings of aluminum silicate and a binder for preventing escape of the powdered insulating material.

2,457,471

CHIMNEY CONSTRUCTION

Ernest O. Howle, Chicago, Ill.

Application December 5, 1945, Serial No. 632,864
4 Claims. (Cl. 72—94)



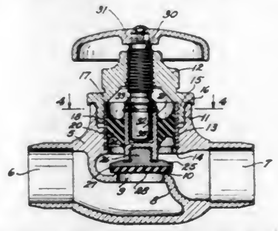
1. Chimney construction including a casing of brick or the like, a non-heat absorbent liner for the casing, a metallic flue spaced from the said liner and arranged with its lower end above the lower end of the casing, said flue having a closed bottom, a take-off for connection to a heater extending laterally from the flue and through the casing, and a filler of finely ground aluminum silicate below the lower end of the flue and occupying all of the space between the bottom of the casing and the lower end of the flue and all of the space between the flue and said casing liner.

2,457,472

PACKLESS GLOBE VALVE

George H. Hufferd and George O. R. Lindgren, Cleveland, Ohio, assignors to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio

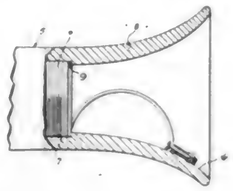
Application May 15, 1944, Serial No. 535,611
3 Claims. (Cl. 251—31)



1. A packless valve comprising a valve body having a valve chamber, a diaphragm chamber disposed above said valve chamber, and an annular shoulder between said chambers, said being formed with an annular groove opening toward said diaphragm chamber, a bonnet secured to said body, a sealing member comprising a sleeve having its lower end pressed into said groove and in sealing relation with said annular shoulder and its upper end engaged by said bonnet, an annular rubber diaphragm having its outer periphery bonded to said sleeve and a valve stem carried by and bonded to the inner periphery of said diaphragm, said diaphragm member being relatively thick in an axial direction and extending generally radially between its areas of

attachment with said sleeve and stem, means carried by said bonnet for reciprocating said valve stem, and a valve closing member carried by the lower end of said stem.

2,457,473
WATER ABSORBER FOR CLARINETS AND THE LIKE
Giuseppe Incampo, West Point, N. Y.
Application February 26, 1946, Serial No. 650,163
7 Claims. (Cl. 84—382)



1. The combination with a clarinet or like wind instrument having a flared bell, of a removable water absorber comprising an upwardly-bowed wire, said wire being disposed longitudinally within said bell, a sponge retainer on the forward end of said bowed wire, said retainer being adapted to hold a sponge resiliently against the lower interior wall portion of said bell adjacent the mouth thereof, and a retainer member on the opposite end of said bowed wire, said last-named retaining member being adapted to be detachably engaged with interior portions of said bell rearwardly of the mouth thereof.

2,457,474
LOCKING MEANS FOR DIVIDERS
William L. Jameson and Frank L. Rogers, San Jose, Calif.
Application May 27, 1946, Serial No. 672,636
3 Claims. (Cl. 33—153)



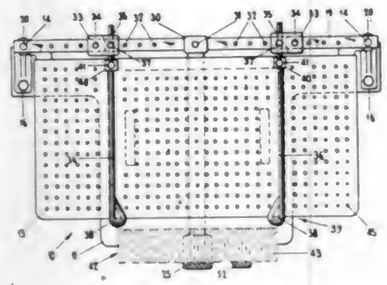
3. In a pair of dividers having an arcuate member projecting from one of the shanks for sliding engagement with the other shank, a lever mounted lengthwise upon the second shank forwardly of the arcuate member and having a pointed rear end adapted for locking engagement with the arcuate member, the lever having a front arm projecting over the shank at a slight incline, a leaf spring having its front end anchored to the shank forwardly of the lever and having a rear section bearing on the underface of the arm for urging the pointed end of the lever into engagement with the shank, and an inclined seat supporting the forward portion of the leaf spring and terminating in a slot alined with the seat for anchoring the forward portion of the leaf spring, the rear edge of the seat being raised with respect to the shank surface and close to the front edge of the lever arm to stiffen the spring upon operation of the lever, and the rear end of the spring extending to within close proximity of the shank so as to bear on the latter when the lever is depressed for giving a second support to the spring.

2,457,475
METHOD OF AND DEVICE FOR WRAPPING WIRE ON TERMINALS
Fleming W. Johnson, Detroit, Mich., assignor to International Detrola Corporation, Detroit, Mich., a corporation of Indiana
Application December 22, 1945, Serial No. 636,641
4 Claims. (Cl. 140—123)



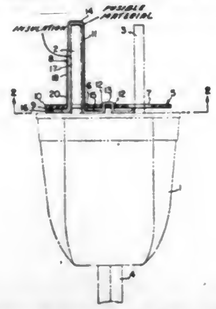
1. The method of securing wires to terminals by means of an open-ended hollow member having an apertured peripheral wall which comprises the steps of inserting an end portion of the wire to be wound around the terminal into the hollow portion of the member and outwardly through the aperture, of placing the hollow member over the terminal in telescoping fashion with the wire inserted therein, and of rotating the member relative to the terminal until the inserted end of the wire is withdrawn inwardly through the aperture and wound about the terminal.

2,457,476
STEAM SIZING MACHINE
William Kaplan, Brooklyn, N. Y., assignor to Wilbe Research Corporation, Brooklyn, N. Y.
Application November 20, 1946, Serial No. 711,041
2 Claims. (Cl. 223—70)



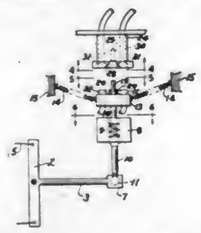
2. In a steam sizing machine for steaming knitted tubular cloth from the exterior of the cloth, comprising a steam heated table having a horizontally positioned and perforated upper face, a guide bar supported parallel with said upper face and being mounted for up and down movements rearwardly of said steam table, a solid skeleton cloth spreading frame comprising two spreading arms slidably supported by said guide bar in a horizontal position and being relatively adjustable thereon to and from each other and lengthwise of said steam table, said guide bar in lowermost position being adapted to bring said spreading frame in contact with the perforated upper face of said steam table, and foot-actuated pedal means in front of said steam table for raising and lowering said spreading frame, while both hands of the operator are free for mounting and adjusting tubular cloth on said spreading frame to be successively brought into overlying contacting relation with said table and said cloth steam treated and stretched to size.

2,457,477
FUSE ATTACHMENT FOR ELECTRIC PLUGS
Anthony La Rizza, Revere, Mass.
Application August 9, 1947, Serial No. 767,671
6 Claims. (Cl. 200—115.5)



6. The combination with an electric plug having prongs for insertion into a socket terminal element, of a fuse attachment therefor comprising a strip of insulating material having a portion which embraces one of said prongs, and a fuse element embracing said insulating strip and having one end interposed between the insulating strip and the prong and in contact with the latter, said insulating strip insulating the remaining portion of the fusible element from said prong.

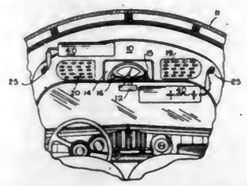
2,457,478
SERVICE COUPLING
Abe Letvin, Detroit, Mich., assignor of one-half to Harry Moore, Detroit, Mich.
Application May 14, 1946, Serial No. 669,704
7 Claims. (Cl. 280—33.05)



1. A coupling comprising a guide member, a stem slidable in one end thereof, a coupling block adjacent to the opposite end of said guide member, a stem extending from said block into said guide member, a spring enclosing the free ends of said stems, means for sliding the first named stem and ejecting the second named stem and said spring from said guide member, and a receiving block engageable by said coupling block on said sliding of the first named stem.

2,457,479
SUNSHADE MOUNTING
Charles E. Lipuma, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application February 21, 1944, Serial No. 523,224
4 Claims. (Cl. 296—97)

1. In an automobile, a header plate, radio apparatus mounted on the header plate, a sound opening through the header plate for sound emanating from said apparatus, a control knob mounted within said automobile contiguous to the header plate and arranged to control said apparatus, a sunshade support mounted adjacent said opening on the plate, a first arm rotatably mounted in said support, the axis of rotation of said first arm being substantially coincident with a horizontal line passing through the horizontal center of said opening, a second arm rotatably mounted within said first arm, a sunshade adjustably mounted on said second arm, said opening and header plate being arranged to allow transmission of substantially all of the sound

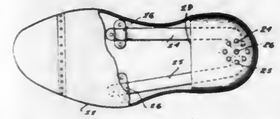


through said opening and space within which the sunshade may be positioned wherein said sunshade blocks ready access to said control knob to a person sitting on the front seat of said automobile, said second arm having a length greater than half the vertical dimension of said opening whereby said sunshade may be positioned either in a position above said opening or in a position below said opening wherein the sunshade produces no interference to said transmission of sound or to operation of said control knob.

2,457,480
BLACKENING COPPER ALLOYS
Earle B. Lewis, Southington, Conn.
No Drawing. Application April 19, 1945, Serial No. 589,267
5 Claims. (Cl. 148—6.14)

4. The process of producing a black surface on a copper base alloy, the process comprising immersing the alloy in an aqueous solution which is approximately at the boiling temperature and which consists essentially of an alkali selected from the group comprising sodium hydroxide and potassium hydroxide and of an oxidizing agent selected from the group comprising sodium bromate and potassium bromate, the concentration of the solution ranging from 10 g./l. hydroxide and 15 g./l. bromate to 800 g./l. hydroxide and 400 g./l. bromate, continuing the immersion until the surface color of the alloy is uniformly changed to a brownish color in the range from grey-brown to purple-brown, and thereafter immersing the alloy in a second hot aqueous solution consisting essentially of an alkali selected from the group comprising sodium hydroxide and potassium hydroxide and of a chlorite selected from the group comprising sodium chlorite and potassium chlorite.

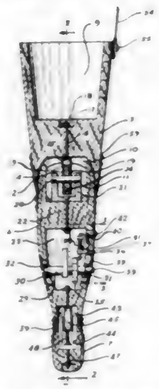
2,457,481
ARCH SUPPORTING DEVICE
John S. MacArthur, Scottsville, N. Y.
Application January 28, 1947, Serial No. 724,841
7 Claims. (Cl. 36—71)



2. In footwear, an arch supporting structure comprising a pair of arched leaf spring elements,

independent means for securing the forward ends of the leaf spring elements to the sole of the footwear in spaced relation to each other, said means, including longitudinally extending channels fixed to said sole and slidably receiving said forward ends, a heel plate, and means for securing the rear ends of said leaf spring elements to said heel plate.

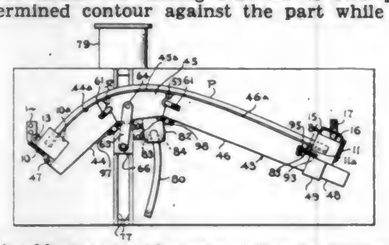
2,457,482
ARTIFICIAL LEG
Kostandean Marean, Dayton, Ohio
Application March 25, 1946, Serial No. 656,890
3 Claims. (Cl. 3—2)



1. An artificial leg comprising upper and lower sections having in their adjacent ends opposed cavities, each cavity having side walls, a front wall and an end wall, the side walls of the cavity in said lower section being arranged between the side walls of the cavity in said upper section, the front walls of said cavities being of less length than the respective side walls and being arranged to have abutting contact one with the other when said sections are in alinement, a bearing member within the cavity in said lower section and supported wholly on the end wall of the cavity in said lower section, a second bearing member mounted on the first mentioned bearing member for movement thereon about an axis transverse to said sections and secured to the end wall of the cavity in said upper section, and a spring connected with said sections to yieldably retain the same in alinement.

2,457,483
STRETCH-FORMING APPARATUS, INCLUDING A SEGMENTAL DIE CONNECTED AT OPPOSITE ENDS TO SHIFTABLE VISES
Royal E. Martin, Mansfield, Ohio
Application October 2, 1946, Serial No. 700,654
5 Claims. (Cl. 153—48)

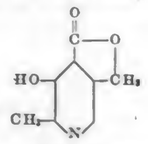
3. Apparatus for stretch-forming metal parts, comprising a support, a pair of vises for releasably gripping opposed ends of a part to be formed, means for relatively shiftably mounting said vises on said support to be maintained in predeterminately spaced apart relation restrainingly to hold the unformed part while gripped at said opposed ends thereof, an elongate segmental die connected at opposite ends to said shiftable vises and providing part-forming surface portions along the die to be engageable along the length of the unformed part, the segments of said die being pivotally joined, adjustable means for positively limiting flexing of said die to provide a predetermined contour along said part-forming portions, and power means for flexing said die to said predetermined contour against the part while re-



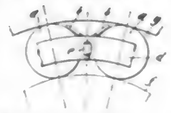
strained between said vises and thereby to stretch-form said unformed part to acquire said predetermined contour.

2,457,484
SUBSTITUTED PYRIDINE COMPOUND
John Halley Mowat, Pearl River, N. Y., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 7, 1944, Serial No. 521,431
5 Claims. (Cl. 260—295)

5. A compound of the formula



2,457,485
CAGE FOR ROLLER BEARINGS
Bertie Frederick Newton, Chelmsford, England, assignor to Norma Hoffmann Bearings Corporation, Stamford, Conn.
Application February 9, 1945, Serial No. 576,944
In Great Britain March 31, 1944
1 Claim. (Cl. 308—217)



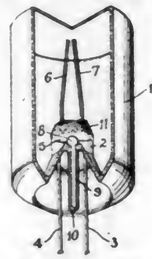
In a roller bearing having rollers and a pair of spaced parallel roller end aligning rings with circumferentially disposed spaced openings, Y-shaped roller separating members having in combination a single piece of sheet metal with a bend for overlapping contacting stem portions forming the stem of the Y, and each stem portion at its upper end having a bend at an obtuse angle with the stem portion to form the V portion of the Y, the stem portions being spaced from the rollers, the stem and parts of the V portions adapted to abut at their lateral ends against the inner surfaces of the rings, with the other lateral parts of the V portions free of contact with the rings and extending outwardly beyond the same, said last named lateral parts being axially narrower than the stem portions for entry into the race of the rollers and for yieldingly contacting with the rolling surfaces of the adjacent rollers, and said stem portions each having a lateral extension at each end passing through an opening in the ring and engaging the outer surface of the ring.

2,457,486
GARMENT HANGER
Kathleen R. O'Grady, Chicago, Ill.
Application July 19, 1946, Serial No. 684,702
3 Claims. (Cl. 223—92)



1. A garment hanger particularly adapted to support women's garments having padded shoulders, comprising in combination, a transverse support member, and enlarged shoulder pad supports extending from the opposite ends of said transverse support member, said shoulder pad supports lying generally in a horizontal plane and each having a relatively large central opening surrounded by an inwardly turned flange having an upwardly turned flange upstanding therearound for the greater part of the periphery thereof, so as to retain garment shoulder pads therein.

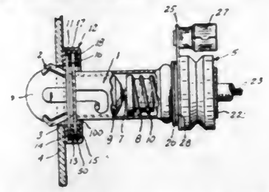
2,457,487
GLOW RELAY
Arnold L. Peacock, Danvers, and Bergitte A. Jensen, Boston, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application October 17, 1945, Serial No. 622,738
3 Claims. (Cl. 200—113.5)



1. A glow relay comprising a sealed envelope having a stem at one end thereof, lead-in wires sealed through said stem, straight bimetal wire electrodes extending from said lead wires inside said bulb and terminating with their free ends close together but spaced apart, a gaseous filling in said envelope and a getter material on the press only of said stem inside said envelope, said getter comprising a mixture of aluminum, zinc, magnesium and thorium metal powders.

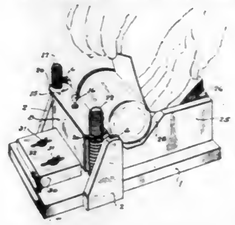
2,457,488
LAMP SOCKET AND RESISTOR
Charles S. Penfold, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application August 11, 1945, Serial No. 610,281
3 Claims. (Cl. 201—49)

1. A lamp socket and resistance element assembly comprising a sheet metal tubular casing having on one end a lamp receiving opening end means for detachably mounting the assembly on a support, a metal sleeve extending axially from the opposite end of said casing having a passage communicating with the interior of the casing for accommodating a conductor wire and having an outwardly extending flange on the end thereof remote from said casing, a layer of insulating material surrounding said sleeve, a resistance element mounted on said layer of insulating material and electrically connected to said sleeve by engaging said flange, a terminal unit also



mounted on said layer comprising a metal mounting part disposed between said casing and said resistance element and having electrical contact with the latter, and an insulating washer disposed between said part and said casing whereby current will be caused to flow from said casing through said sleeve, resistance element, and said terminal unit.

2,457,489
DEVICE FOR ASSISTING IN A HAND-LABELING OPERATION
Eugene H. Pierce, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application October 24, 1945, Serial No. 624,157
4 Claims. (Cl. 216—50)

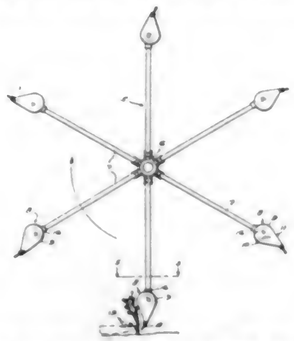


1. A container labeling device, comprising: a base member; a repository for a stack of labels carried by said base member including side walls and a rear wall rigidly secured to said base member, said side walls having opposed recessed portions therein intermediate the ends thereof adapted to position a container above said stack of labels so that one of the ends of the uppermost of said labels may be readily grasped and wrapped around said container; a gluepot having a longitudinal opening in the lower end thereof; and means guiding said gluepot for vertical movement relative to said base so that said opening in said gluepot contacts the other end of the uppermost of said labels transversely thereof and adjacent thereto.

2,457,490
REEL FOR GRAIN HARVESTERS
Ray A. Press, Lancaster, Calif.
Application July 5, 1944, Serial No. 543,558
4 Claims. (Cl. 56—220)

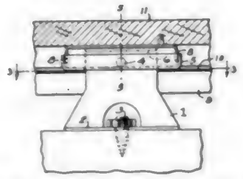
1. A harvester reel comprising, in combination with the usual hub and its radially disposed arms, of paddles pivotally mounted on the outer ends of said arms for limited swinging movement about axes parallel with the axis of the reel and so as to descend upon the grain substantially edgewise, said paddles having resilient yieldable blades

projecting at the outer portions thereof, each paddle comprising a hollow elongated member of substantially bulbous form in cross section with slots in its broader inner portion through



which the associated arms freely extend said arms being pivoted to the paddles within said hollow members thereof adjacent the inner broader portions of the same.

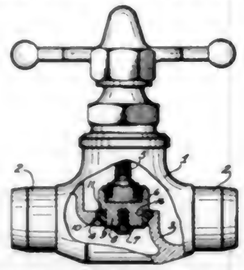
2,457,491
SLIDING DOOR MOUNTING
De Witt Ramsey, Miami, Fla.
Application September 25, 1946, Serial No. 699,243
2 Claims. (Cl. 16—93)



1. A device for sliding doors that are adapted to be used with a support having spaced parallel lower tracks, comprising a hanger blade attached to a door, adapted to depend below and through said tracks, a slide plate slidable on the tracks and having a slot through which the blade passes, a pin passing through the blade and engaging the plate, a flange at the upper end of the blade, a flat band resting on the flange and having downturned ends engageable within flanges on the plate.

2,457,492
VALVE
Frank J. Raybould, Lakewood, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application May 22, 1944, Serial No. 536,655
2 Claims. (Cl. 251—159)

1. A valve comprising a body having a conical seat, an annular seal having a conical surface engageable with said seat and comprising an annulus of substantially non-compressible, deformable material, and axially spaced rings of relatively stiff material surrounding the outer end edges of said annulus, and engageable with said seat, a head having a cylindrical portion on which said annulus is mounted, the ring adjacent to the free end of said cylindrical portion radially engaging said portion, and the other ring being spaced radially from said cylindrical portion under normal pressures, said last mentioned ring being radially compressible, and means for exerting pressure on said head and seal after the



latter has engaged said seat and thereby moving said rings relative to each other and deforming said annulus therebetween.

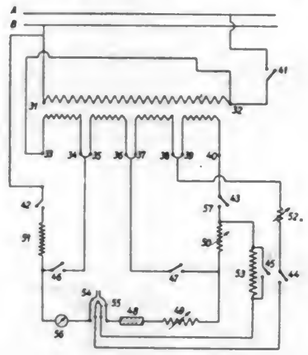
2,457,493
ART OF MAKING PHENOL-ALDEHYDE REACTION PRODUCTS AND THE PRODUCT THEREOF
Donald V. Redfern, Seattle, Wash., assignor to American-Marietta Company, Adhesive, Resin and Chemical Division, Seattle, Wash., a corporation of Illinois
No Drawing. Application September 3, 1947, Serial No. 772,016
12 Claims. (Cl. 260—57)

1. The process of producing a thermosetting phenol-aldehyde resin condensation product comprising forming an aqueous mixture of a phenol selected from the group consisting of phenol, cresol, xylenol, and resorcinol, an aldehyde in which the aldehyde group is the sole reactive group, and an inorganic alkaline catalyst accelerating the formation of the resin reaction-product on heating, said catalyst expressed as sodium hydroxide being present in an amount equivalent to not over 10% of the total mix constituents, the molar ratio of the aldehyde to the phenol varying from 1:1 to 3:1, heat-reacting said mix and producing a water-soluble phenol-aldehyde reaction product, the viscosity of the latter increasing during this initial reaction period and being indicative of the advancement of the water-soluble reaction-product towards a stage where the water-soluble state terminates, said aldehyde retaining its activity during the formation of the water-soluble phenol-aldehyde reaction-product, reducing the viscosity of the water-soluble reaction-product and its tendency to progress to a water-insoluble reaction-product by adding additional inorganic alkaline material, and further condensing the water-soluble resin to a stage where an aqueous solution of the mass shows a precipitate upon the addition of ethanol, said condensation reaction-product remaining water-soluble, said alkaline material increasing the pH of the finally condensed product to between 9.5 and 14 inclusive.

2,457,494
TRANSFORMER AND CONNECTION FOR STARTING ARC LAMPS
David Reichinstein, Zurich, Switzerland, assignor to Fanal Licht A.-G., Lucerne, Switzerland
Application March 28, 1944, Serial No. 528,420
In Switzerland September 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 8, 1963
1 Claim. (Cl. 315—96)

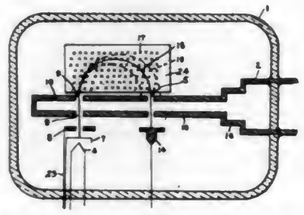
A system for the starting of an arc lamp, said system comprising, in combination, a transformer

having a primary winding connected to a source of alternating electrical current, and a plurality of secondary winding coils having at least three intermediate terminals and two end terminals, said coils constituting in their entirety a secondary winding supplying high lamp-igniting voltage, means connecting one terminal of the arc lamp to said source and comprising a resistance, means connecting the other terminal of the arc lamp to an end terminal of the secondary winding coils and comprising a switch and a resistance in series therewith, means connecting the other end terminal of the secondary winding coils to the primary winding, an auxiliary electrode for heat-



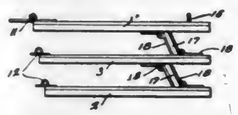
ing the electrodes of the arc lamp, means connecting one terminal of said auxiliary electrode to an intermediate terminal of the secondary winding coils and comprising a switch and a resistance in series therewith, means connecting the other terminal of the auxiliary electrode to the first-mentioned switch and comprising a resistance and a switch short-circuiting said resistance, means connecting the first-mentioned means to another intermediate terminal of the secondary winding coils and comprising a switch, and means connecting the second-mentioned means to a third intermediate terminal of the secondary winding coils and comprising a switch.

2,457,495
ULTRA HIGH FREQUENCY TUBE
Nathaniel Rochester, South Hamilton, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application December 18, 1944, Serial No. 568,734
1 Claim. (Cl. 315—5)



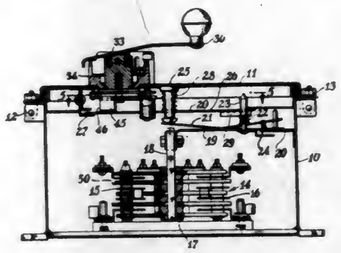
An ultra-high frequency oscillator comprising: a longitudinal waveguide closed at one end and open at the other for transmission of power therefrom and having two spaced apart sets of openings therein for the passage of electron beams laterally therethrough at two separated places therein, a cathode in register with one set of openings, means on the opposite side of said waveguide from said cathode for producing a magnetic field on said opposite side of said waveguide from said cathode and transverse to the path of the electron beam through said sets of openings and a collector electrode on the same side of the waveguide as the cathode and in register with the second set of openings in the waveguide.

2,457,496
TRIPLE SEALED ICEBOX DOOR
Harold E. Ross, Kettle Falls, Wash.
Application September 14, 1945, Serial No. 616,222
1 Claim. (Cl. 20—35)



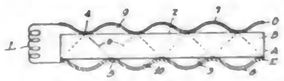
In combination with a refrigerator including a doorway having a frame and vertically extending strips along one side thereof, a door structure comprising an outer door member, an inner door member, an intermediate door member, said door members being hinged to said strips, sealing strips for engagement by the hinged side portions of the door members when closed, spacing strips extending diagonally between the door members and being hinged to confronting faces of the door members, said spacing strips serving to maintain the door members in spaced relation to each other and causing the door members to move simultaneously toward opened and closed positions and bevelled ends on the spacing strips to engage confronting areas of the door members and limit movement of the door in one direction.

2,457,497
ELECTRIC SWITCH
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application December 6, 1945, Serial No. 633,147
9 Claims. (Cl. 200—50)



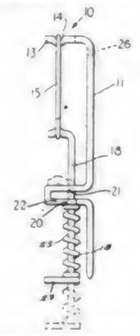
4. Switching mechanism including a box containing the switch contacts, a cover therefor, a disc rotatably carried by said cover, a rotatable actuating handle carried by said cover, an oscillatable member, two opposed throwing springs connected thereto, a lost-motion connection between said handle and said oscillatable member, a lost-motion connection between said oscillatable member and said disc and means for connecting said disc to a movable switch member.

2,457,498
RADIO-FREQUENCY PARALLEL BONDING
George F. Russell and Julius W. Mann, Tacoma, Wash.
Application December 11, 1945, Serial No. 634,323
3 Claims. (Cl. 154—116)



1. A method of bonding abutting edges of material which comprises placing the material in abutting relationship with a thermo-responsive adhesive therebetween and then subjecting the thus formed joint to a high frequency electrostatic field disposed in a zig-zag manner parallel to the abutting edges within the plane of said adhesive to activate the said adhesive within the said electrostatic field areas of the joint.

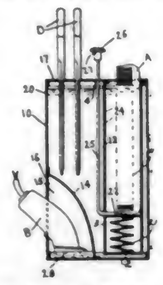
2,457,499
FIRE ALARM TRIP MECHANISM
Joseph Philip Santole, Waterbury, Conn.
Application May 9, 1945, Serial No. 592,767
2 Claims. (Cl. 74—2)



1. An alarm device comprising a support including an upper arm, an extension integral with said support, apertures in said extension and a fusible link having an eye at one end attached to said arm, an eye on the opposite end of said link, an alarm control link, a tongue at one end and a contact at the other end thereof, said tongue being received in said second mentioned eye and said control link being slidably received in said apertures, a spring encircling said control link engaging said extension and said contact and tensioning said control link.

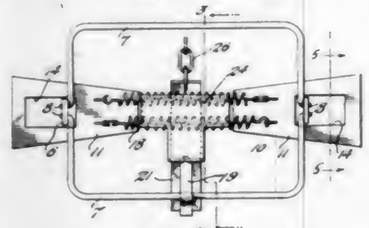
2,457,500
STERILIZER
John J. Scandura, Roslindale, Mass.
Application April 30, 1945, Serial No. 591,201
1 Claim. (Cl. 21—87)

A sterilizer for barbers' implements comprising in combination a container for antiseptic liquid open at the top, a cover for said chamber having a guide hole in the top, and provided with a depending tubular member open at the top and closed at the bottom and having a slot on one side and a platform slidable vertically in said tubular member and having a part thereof extending through said slot, a spring bearing on the bottom of the tubular member and on the underside of the platform and normally tending to push said platform upward, a rod secured to the part of the platform which extends through the slot, said rod extending upwardly through the guide hole in the cover and having a notch therein at a point to engage the cover at the edge



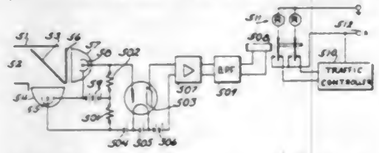
of the guide hole when the platform is in lowest position and retaining the implements thereon immersed in the liquid until the notch is disengaged from the cover.

2,457,501
ANIMAL TRAP
Francis E. Shene, Vermontville, N. Y.
Application October 26, 1946, Serial No. 705,845
5 Claims. (Cl. 43—88)



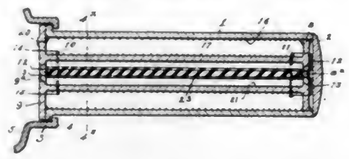
1. An animal trap comprising a U-shaped base, a pair of inverted U-shaped jaws pivoted at their ends to the upper ends of said base for vertical swinging movement into and out of closed position, a pair of plates pivoted at one end to said base for vertical swinging movement and engaging the sides of the jaws to close the jaws upon an upward movement of said plates, a trip releasably holding the jaws in an open set position, and a coil spring connecting the plates and operable to raise the latter.

2,457,502
SIGNAL SYSTEM EMPLOYING POLARIZED LIGHT
Judson O'D. Shepherd, Atlanta, Ga.
Application August 9, 1944, Serial No. 548,691
16 Claims. (Cl. 177—337)



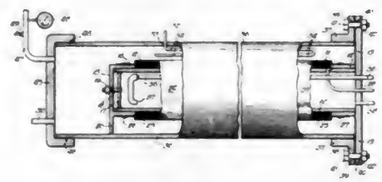
9. A traffic control system comprising, in combination, traffic signaling devices, means connected to said devices to operate said devices to produce traffic controlling signals, means to control last said means, means to produce light polarized in a predetermined manner and modulated in a particular manner, and means connected to said signal control means responsive to light so polarized and so modulated to cause said control means to function to result in the production of a predetermined traffic controlling signal under control of said light producer.

2,457,503
REFLECTING VAPOR LAMP
Grover C. Singer, Brownsville, Tex.
Application September 20, 1946, Serial No. 698,173
2 Claims. (Cl. 176—122)



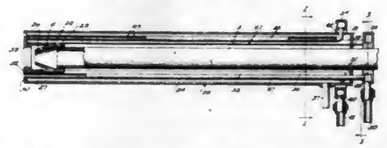
1. An electric discharge lamp comprising a tubular glass envelope initially closed across one end and open at the other having a fixture engaging flange at the open end, a unit assembly consisting of a tubular glass core having welding discs at its opposite ends one fitting within the outer end of the envelope and having peripheral contact with the inner surface thereof, the other closing the flanged end of the envelope, said unit also embodying electrodes surrounding the core adjacent the proximate faces of the discs, and lead in wires for the electrodes extending through the discs, those of the outer electrode being led through the core, the inner surface of the envelope and the outer surface of the core bearing luminescent coatings and being evacuated and containing an ionizable gas.

2,457,504
METHOD AND APPARATUS FOR FORMING WOOD VENEER PLYWOOD TUBES
John J. Snoke, Goshen, Ind.
Application March 9, 1944, Serial No. 525,672
3 Claims. (Cl. 154—117)



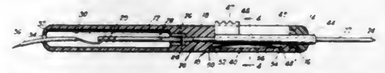
1. The method of forming a veneer plywood tube which comprises applying successive wrappings of veneer plywood around a mandrel with a thermosetting adhesive between the plies, applying a flexible air-tight sleeve over the mandrel and tube and exhausting said sleeve to press the plies tightly together and into close conformity with the mandrel, clamping the end of said flexible sleeve air-tight to the mandrel, placing the mandrel with the tube thereon in an autoclave and simultaneously applying heat and pressure to the interior of the autoclave and externally of the flexible sleeve, tube and mandrel to press the plies together and into close conformity with the tube and to set, cure, or harden the thermosetting adhesive.

2,457,505
GASEOUS FUEL BURNER
Robert H. Solem, Rockford, Ill., assignor to Eclipse Fuel Engineering Co., Rockford, Ill., a corporation of Illinois
Original application April 30, 1943, Serial No. 485,095. Divided and this application April 13, 1944, Serial No. 530,911
5 Claims. (Cl. 158—99)



1. A gaseous fuel burner comprising an elongated tube having one end thereof adapted to receive a gaseous fuel mixture under pressure and its other end open for discharge of the mixture for combustion purposes, a substantially full length water jacket extending around the tube and embodying a tubular side wall around, and in spaced relation with, the tube, and end walls at the ends of the side wall, means for circulating water through the water jacket, and means for supplying secondary air under pressure to the mixture emanating from said other end of the tube in order to complete combustion, embodying a pipe extending longitudinally through the water jacket and disposed substantially midway between the tube and the side wall of the water jacket, and having the end thereof that is adjacent said one end of the tube provided with means for supplying it with air under pressure and its other end open and extending through the adjacent end wall of the jacket and terminating adjacent said other end of the tube.

2,457,506
SAFETY PROD
Steffen H. Sorensen, New York, N. Y.
Application September 11, 1945, Serial No. 615,597
4 Claims. (Cl. 173—273)

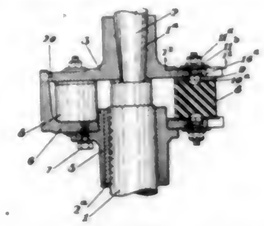


1. A device of the character described, comprising a plastic body having a circular recess in the rear end of said body, and an open front end, a circular bore at the front end thereof, a removable apertured plug in the open front end, a longitudinally extending bore in said body at the center thereof communicating with said recess and said circular bore, a test prod mounted in said longitudinally extending bore, said prod having the rear end thereof terminating in the bore at the rear thereof, and the front end thereof extending forwardly of said plug, and having an electrical conductor connected to the rear end thereof within said longitudinally extending bore, and a plastic sleeve slidably mounted on the forward end of said prod within said circular bore and said plug to insulate said prod.

2,457,507
SHAFT COUPLING
Nikita Borisowich Strachovsky, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 22, 1943, Serial No. 507,263
3 Claims. (Cl. 64—11)

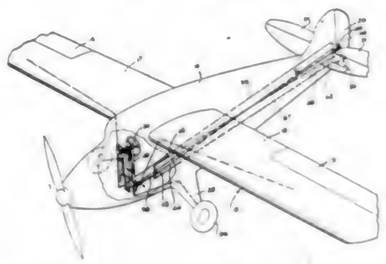
3. In a flexible coupling, axially spaced driving and driven members, a plurality of axially extend-

ing parts of elastic material radially spaced around the axis of the coupling connecting said members and exerting forces thereon dependent upon the misalignment of the members, means



for adjusting the relative radial spacing of the parts to balance the reaction on said members of the forces due to the individual parts, and means for holding the parts in adjusted position.

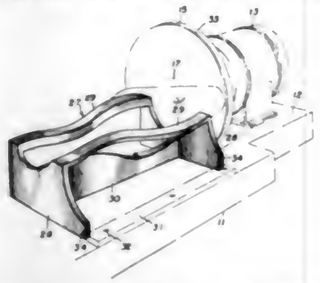
2,457,508
AIRCRAFT CONTROL SYSTEM FOR CONTROL SURFACES AND WHEEL BRAKES
Edgar Bernard Todd, Billings, Mont.
Application July 9, 1945, Serial No. 603,974
6 Claims. (Cl. 244—50)



1. Aircraft which includes a pair of spaced landing wheels for supporting the forward end of the aircraft when it is grounded, a caster wheel for supporting the tail of the aircraft when it is grounded, common means selectively to control the speed of rotation of each landing wheel for steering the aircraft when it is grounded, means connected to the common means for steering the aircraft while it is in flight a throttle lever for regulating the power output of the aircraft power unit and means actuated by the throttle lever to render the common means inoperative relative to the landing wheels when the throttle lever is moved to flying position.

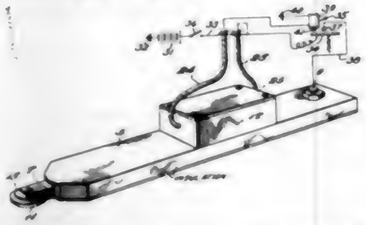
2,457,509
DRESSING MACHINE FOR BOWLING PINS
Anthony C. Vacanti and James Vacanti, Dunkirk, N. Y.; said James Vacanti assignor to said Anthony C. Vacanti
Application April 3, 1947, Serial No. 739,222
1 Claim. (Cl. 51—125)

In a dressing machine for bowling pins, the combination of an elongated bed having a flat upper surface, a rotatable abrading disc adjacent one end of said bed, a guide bar provided at one longitudinal edge of said bed and extending perpendicularly to the plane of said disc, and a bowling pin receiving cradle slidably and removably resting on said bed, said cradle including lateral



extensions engageable with said bar to guide said cradle toward said disc.

2,457,510
ELECTROPLATING APPARATUS
Delbert G. Van Ornum, Great Falls, Mont.
Application January 23, 1946, Serial No. 642,921
4 Claims. (Cl. 204—224)

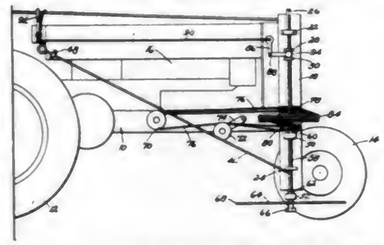


1. An electroplating device comprising a housing of non-conductive material and adapted to be moved in a fixed path over a piece of work to be electroplated, an electrode projecting out of said housing to travel therewith with one end in close proximity to the work, said electrode being slidably mounted in said housing for retraction therein, work-engaging means of insulation material secured to and extending beyond said electrode for causing retraction of the electrode into said housing as the thickness of the electroplating on the work increases, a switch carried by said housing for controlling an electric circuit in which the electrode is interposed, and means for opening said switch operative by retraction of said electrode in a predetermined degree.

2,457,511
POWER OPERATED TRACTOR MOUNTED TREE FELLING SAW
Kenneth R. Ware, Mound Valley, Kans.
Application October 18, 1946, Serial No. 704,119
6 Claims. (Cl. 143—43)

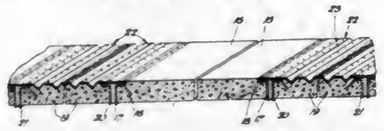
6. An adjustable power operated saw adapted to be mounted on a tractor comprising, a main supporting bracket adapted to be secured to a fixed portion of the tractor chassis and carrying a pair of vertically spaced guides adjacent the opposite ends thereof, a pivot shaft slidably and rotatably mounted in said guides, an arm swingably mounted on said pivot shaft, a vertical drive shaft rotatably mounted in said arm and having a circular saw at its lower end, means operatively associated with said drive shaft for rotating said saw, and means for adjusting the vertical height of said saw including a bell crank

pivotally mounted on said bracket having a clevis at one end operatively associated with said pivot



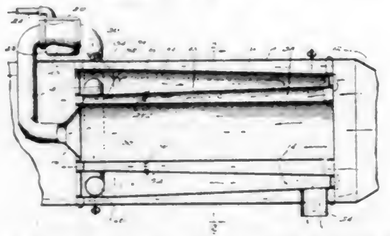
shaft and a control lever at its other end operable from the driver's seat of said tractor.

2,457,512
HIGHWAY WARNING SIGNAL
Harold B. Wheeler, Berwyn, Ill., assignor of one-half to Albert G. McCaleb, Evanston, Ill.
Application October 27, 1944, Serial No. 560,564
5 Claims. (Cl. 94—1)



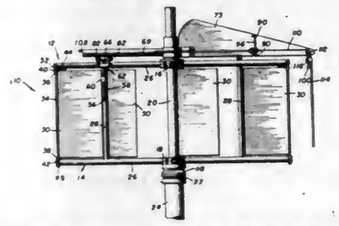
1. A highway pavement reinforcing and signal generating member, comprising in combination with a concrete paving slab a metal plate having a pair of substantially flat side portions connected by a V-shaped channeled intermediate portion, the side portions having a plurality of openings therein, the V-shaped intermediate portion being in partially embedded engagement with a pavement slab, and the side portions being in partly embedded engagement with said pavement slab to bring the upper surface of said side portions flush with the top surface of said pavement slab, and anchoring means secured to said plate and extending downwardly into embedded anchoring engagement with the concrete of said pavement to anchor said plate securely to said pavement.

2,457,513
INTERNAL-COMBUSTION HOT-AIR HEATER
Lynn A. Williams, Jr., Northfield, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 26, 1943, Serial No. 477,191
3 Claims. (Cl. 126—116)



1. A heater of the class described, comprising a cylindrical casing having one end adapted to be connected to a source of air supply, a frusto-conical wall in said casing and cooperating therewith to form a tapered ventilating air passage communicating with said source, a second frusto-conical wall in said first-mentioned wall and cooperating therewith to form a gas passage tapered oppositely to said ventilating air passage, a tube in said second-mentioned wall and cooperating therewith to form a ventilating air passage tapered in the same direction as said first-mentioned air passage, a carburetor receiving a supply of combustible air from said tube, means forming a combustion chamber communicating with said tapered gas passage, and an induction tube connecting said carburetor with said combustion chamber.

2,457,514
AIR POWER WINDMILL
Daniel B. Wood, Bowling Green, Ky.
Application March 6, 1947, Serial No. 732,898
6 Claims. (Cl. 170—17)



2. A wind motor comprising a rotor, a plurality of vanes journaled thereon, a plurality of fixed stops on said rotor for limiting pivotal movement of said vanes and additional means for selectively limiting the pivotal movement of said vanes, and adjusting means for positioning said additional means to prevent their limiting pivotal movement of said vanes, said adjusting means including a body pivoted for movement about the axis of rotation of said rotor, a rod slidable in said body, rollers carried by said rod and selectively engageable with said additional means for successively positioning the same in operative and inoperative condition.

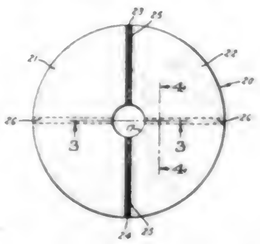
2,457,515
INSULATING COATING COMPOSITIONS AND METHOD OF MAKING
John T. Acker, Queens Village, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1941, Serial No. 418,894
3 Claims. (Cl. 106—65)

1. The method of preparing a coating mixture for wire elements which comprises mixing finely divided aluminum oxide and water in proportions to form a suspension of creamy consistency, adding hydrochloric acid to the suspension to increase the fluid content by of the order of 10 per cent, and adding finely divided aluminum oxide to the suspension to increase the solid content by of the order of 50 per cent.

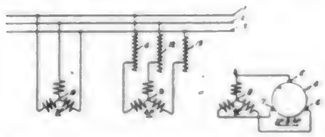
2,457,516
METHOD OF MAKING ABRASIVE CUTOFF WHEELS
Hugh V. Allison, Fairfield, Conn., assignor to The Allison Company, Bridgeport, Conn., a corporation of Connecticut
Application May 10, 1947, Serial No. 747,291
8 Claims. (Cl. 51—293)

1. The method of making an abrasive cut-off wheel comprising preparing strips of abrasive

grain and a bond, preparing a laminated structure by laying a first pair of said strips in side-by-side slightly spaced substantially parallel relation, laying a second pair of said strips across and substantially at right angles to the strips of the first pair and in slightly spaced substantially parallel relation to one another, blanking a disc from the laminated structure so built up with the center of said disc substantially at the point of crossing of a pair of lines bisecting the spaces between the respective pairs of strips, and then curing said blanked disc.



2,457,517
ALTERNATING CURRENT COMMUTATOR MACHINE
Frederick W. Baumann, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 23, 1947, Serial No. 770,242
10 Claims. (Cl. 318—244)

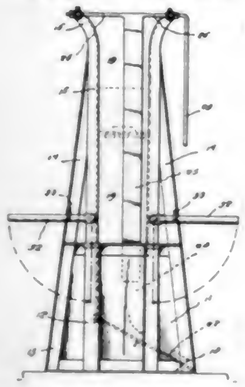


1. In a dynamoelectric machine adapted to operate from an alternating current line and having a stator, a rotor, a commutator and commutator brushes therefor, the combination of a winding on said rotor connected to said commutator and arranged to be inductive to at least two different numbers of stator poles, a winding arranged on said stator to produce at least one of said different numbers of poles, another winding on said stator arranged to produce another of said different numbers of poles, means for supplying excitation to one of said stator windings, means for simultaneously providing a substantially direct connection between said line and the other of said stator windings, and means for externally completing a circuit between said commutator brushes.

2,457,518
WATERPROOFING PLASTIC COMPOSITIONS
James Alfred Bell, Leatherhead, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 26, 1945, Serial No. 596,101. In Great Britain July 11, 1944
3 Claims. (Cl. 106—243)

1. A waterproof plastic insulating composition consisting essentially of 10–35% by weight of a dehydrated asbestos fiber having a moisture content not exceeding 0.1% by weight stable at temperatures up to at least 220° F., 25–55% by weight of a mineral lubricating oil and 10–40% by weight of a water-insoluble soap of a mixture of distilled fatty acids having 16 to 18 carbon atoms and wool grease stearine.

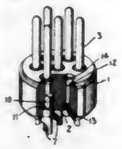
2,457,519
PORTABLE BATTERY STRIPPING DEVICE
Nathan Bemel, Rochester, Minn.
Application July 13, 1945, Serial No. 604,835
1 Claim. (Cl. 29—204)



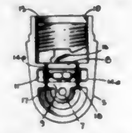
A portable battery stripping device, comprising a unitary portable structure having a substantially vertical chute body creating a lower box-like hopper, involving a base, upstanding side panels and spaced inner and outer angle bars, respectively, the latter carrying and reinforcing the side panels at the outer faces thereof, upward extensions to the inner bars and having outwardly flared upper ends above the panels, surfacing plates supported by the inner bars and effecting a guide throat communicating with the hopper, said hopper having a dispensing doorway and an inclined bottom directed toward the latter for gravity dispensing of battery elements through the doorway, striking shoulders at the point of communication of the hopper and the throat for arresting a battery casing when dropped within the said throat, the throat being open at opposite sides thereof above the hopper, a horizontal shaft journaled in the upper side plates of the throat, a kicking blade depending from said shaft extending into the hopper entirely through the throat in confronting relation to the open sides of said throat, a lever integral with said shaft for turning said shaft and kicker plate, and portable hand grips attached to the chute body.

2,457,520
PLUG CONNECTOR
George B. Benander, Oaklawn, R. I., assignor to Monowatt Incorporated, a corporation of Connecticut
Original application March 24, 1943, Serial No. 480,348. Divided and this application September 8, 1945, Serial No. 615,136
1 Claim. (Cl. 173—361)

A plug comprising a base of insulating material having an axially extending opening therethrough an intermediate portion of which is non-circular in cross section and end portions of which are round and of a diameter such that they define shoulders at the ends of the intermediate portion, and a prong having an intermediate portion shaped to fit the non-circular portion of said opening and flanges spaced apart axially a distance equal to the distance between said shoulders for engagement with said shoulders, one of said flanges being spaced from the non-circular portion of said prong to provide a prong portion between said non-circular portion and said flange of a size in cross section less than said non-circular portion and capable of being distorted by twisting, and said one flange having a contour such that it will pass through said opening whereby a prong may be inserted from one end of the opening and then twisted to bring such flange into tight engagement with the adjacent shoulder to secure the prong in the opening.



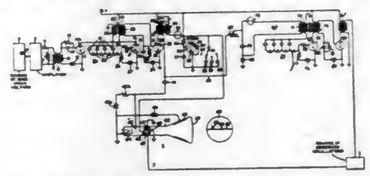
2,457,521
ELECTRIC-LIGHT FIXTURE
George B. Benander, Oaklawn, R. I., assignor, by mesne assignments, to Monowatt Incorporated, Providence, R. I., a corporation of Connecticut
Application January 3, 1946, Serial No. 638,776
7 Claims. (Cl. 173—358)



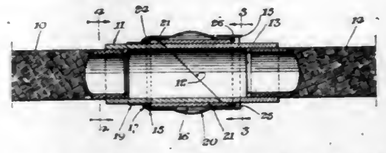
1. In combination, a lamp socket comprising a casing split longitudinally to provide a base part and a cover part, walls forming a wiring shelf in the base part having narrow spaced crosswise slots therein, said base part having a passage in its wall the inner end of which terminates between said slots at the center of said shelf, lamp contacts in the socket, a cord extending along said passage having its conductor ends bent at right angles in opposite directions along said shelf, strip metal contact members of a thickness equal substantially to the width of said slots positioned edgewise in said slots, the bared ends of said conductors being positioned in said slots beneath said contact members to make electrical contact therewith and attach the conductor ends to the socket, means connecting said contact members to said lamp contacts, and means fastening the cover part and base part together.

2,457,522
ELECTRONIC SAW-TOOTH WAVE GENERATOR
Frank J. Bias, Scotia, and Harold W. Lord, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Original application November 17, 1944, Serial No. 563,920. Divided and this application April 19, 1946, Serial No. 663,319
2 Claims. (Cl. 250—27)

1. In combination, a source of substantially constant unidirectional potential, a source of substantially rectangular recurrent voltage pulses having an intensity at least equal to said unidirectional potential, an electron discharge device having an anode, a cathode and a control electrode, means biasing said control electrode to maintain said discharge device normally conductive, a unilateral conducting circuit including a rectifying device and connecting said source of unidirectional potential and said pulse voltage source in opposing series circuit relation between said anode and said cathode, said rectifying device and unidirectional potential source being poled to provide a normal anode current flow through said discharge device in the absence of said pulses, and a capacitive energy storing element connected between said anode and said cathode in parallel circuit relation with said voltage sources, said pulses rendering said rectifying device non-conductive and permitting said element to discharge through said discharge device during said pulses.

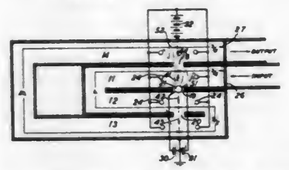


2,457,523
QUICK DISCONNECT JOINT
Stanley P. Bird, Verona, N. J., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey
Application December 14, 1946, Serial No. 716,282
9 Claims. (Cl. 285—174)



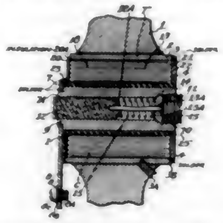
1. In a quick disconnect coupling, a pair of opposed ferrules, a guide tube attached to one of the said ferrules, a spring member attached to the other ferrule and a sleeve to secure the ferrules together by compressing the said spring member.

2,457,524
WAVE GUIDE REPEATER
Arnold E. Bowen, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 26, 1945, Serial No. 595,911
7 Claims. (Cl. 315—5)



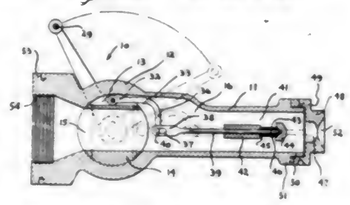
1. A continuous length of hollow pipe wave guide having two laterally contiguous portions separated by a common wall having an aperture, a cathode directly across from said aperture in a portion of the wall of the wave guide opposite said common wall, and means in each of said laterally contiguous portions of the wave guide to impart reciprocating motion to charged particles from said cathode in the respective portion of the wave guide.

2,457,525
CAPACITY BRUSH HOLDER
Joseph M. Brian, Westmount, Quebec, Canada, assignor to Radio Corporation of America, a corporation of Delaware
Application April 12, 1945, Serial No. 587,899
6 Claims. (Cl. 171—323)



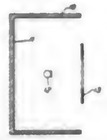
1. In combination, a cylindrical brush holder for an electrical device having a grounded frame, a capacitive element in the form of a cylindrical roll condenser arranged to surround substantially the entire length of said cylindrical brush holder, said capacitive element having one terminal directly fixed, both electrically and mechanically, to said brush holder, the other terminal of said capacitive element being substantially directly connected through a path of very low impedance to the grounded frame of said electrical device.

2,457,526
FIRE HOSE NOZZLE
Daniel Brown, Burlington, N. J.
Application September 15, 1945, Serial No. 616,637
3 Claims. (Cl. 299—136)



1. A fire hose nozzle comprising an elongated hollow nozzle body being internally threaded at its inner end and externally threaded at its outer end, said body being formed with a transversely extending bore forming spaced cylindrical tapered bearing seats, a plug valve formed with a transverse passage having enlarged spaced tapered bearing ends adapted to be rotatably supported in said bearing seats, removable cap members in the outer ends of said transverse bore, rectangular shaped pintles disposed axially on the ends of said plug valve extending through and beyond said cap members, a U-shaped valve operating yoke or handle secured to the outer ends of said pintles, a detachable spray nozzle having a valve seat on its inner end threadable on the outer end of said nozzle body, a guide supported interiorly of said hollow nozzle body upon the inner wall thereof formed with an axially extending bore, a valve stem slidably disposed in said axial bore, a valve on the outer end of said stem adapted to seat on said valve seat in said detachable spray nozzle, and a crank connected between said plug valve and said valve stem whereby the operation of said plug valve when opened and closed will cause a similar operation of the valve cooperating with the valve seat in said detachable spray nozzle.

2,457,527
ACOUSTIC DEVICE
Edmond Bruce, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1942, Serial No. 460,545
16 Claims. (Cl. 181—31)



13. An acoustic device for translating signals within a band of frequencies comprising a cylindrical member of a diameter sufficient to include several interference zones corresponding to the mean wave-length in said band of frequencies, said member being closed at one end and open at the other and having a depth substantially equal to

$$\frac{n}{2}$$

times said wave-length, n being an integer, a sound translating device within said member, on the axis thereof and substantially mid-way between the ends thereof, and an annular masking member coaxial with said cylindrical member and substantially in the plane of the open end thereof, said annular member having an inner diameter of substantially

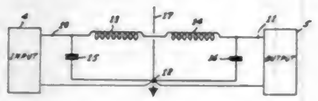
$$\sqrt{2n+1}$$

times said wave-length and an outer diameter of substantially

$$2\sqrt{n+1}$$

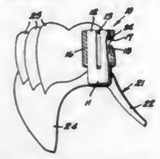
times said wave-length.

2,457,528
ELECTRIC TRANSFORMING ARRANGEMENT
Cabot Seaton Bull, Hillingdon, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application February 17, 1944, Serial No. 522,847
In Great Britain February 20, 1943
4 Claims. (Cl. 178—44)



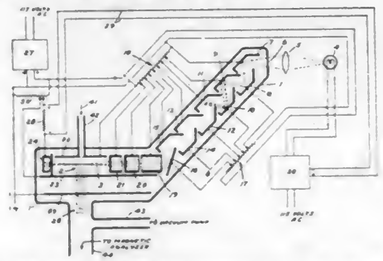
1. In a transformer apparatus for transferring alternating electric currents in a band of high frequencies from an input circuit to an output circuit: a transfer network for receiving said currents at an input potential and supplying currents at a different potential, said network including input connectors; output connectors; at least one inductance in series between an input and an output connector; a first capacitance in shunt across the input connectors; a second capacitance in shunt across the output connectors; said shunt capacitances and series inductance forming essentially a single closed circuit resonant to said band of high frequencies, and the ratio of the capacitance across the input connectors to the capacitance across the output connectors being inversely proportional to the ratio of the potential received to the potential supplied; and decoupling means for reducing the capacitive coupling across said inductance between input and output.

2,457,529
DENTURE STRESS RELIEVER
Luther W. Busby, Manhattan Beach, Calif.
Application May 31, 1946, Serial No. 673,674
10 Claims. (Cl. 32—5)



1. In an artificial denture, the combination of: a clasp for engagement with an abutment tooth, a denture adjacent said clasp, a stud extending substantially vertically in relation to said denture and fixed at its lower end to said denture, and a sleeve slidable on said stud and removable from the upper end of said stud, said sleeve being secured to said clasp, said stud and said sleeve permitting relative vertical movement between said clasp and said denture.

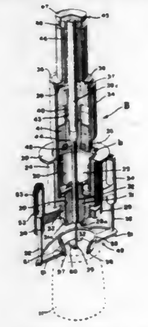
2,457,530
ELECTRON GUN FOR MASS SPECTROMETERS
Norman D. Coggeshall, Verona, and Nathan F. Kerr, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application August 6, 1946, Serial No. 688,736
5 Claims. (Cl. 250—41.9)



1. A mass spectrometer comprising an envelope having a light permeable window, a photosensitive cathode in said envelope for receiving light entering through said window, a plurality of multiplying electrodes in said envelope, means comprising at least one electron lens element for focusing electrons from said multiplying electrodes into an electron stream, a collector electrode disposed in the path of said stream for collecting electrons therefrom, means for admitting molecules into said envelope into the path of said electron stream for ionizing said molecules, and analyzer means including a magnet for analyzing said molecules.

2,457,531
MEASURING VALVE
Theodore M. Costakos, Minneapolis, Minn.
Application August 8, 1947, Serial No. 767,483
17 Claims. (Cl. 222—453)

1. In a dispenser, a container having an opening in the bottom thereof providing a chamber for a supply liquid to be dispensed, valve mechanism adapted to dispense from the container successive charges of liquid in measured quantities, said valve mechanism comprising a cupped valve body received in said opening in the bottom of the container and providing a sump chamber therefor, said valve body being formed with a discharge bore therein opening downwardly from said sump chamber, a lift valve movable downwardly by gravity and including an axially upright valve sleeve slidable in the sump chamber for downward retraction thereinto and for upward projection therefrom, and a valve stem connected with said valve sleeve and extending downwardly through said discharge bore, means associated with the valve stem beneath the container for elevating the lift valve, said lift valve further including a valve plug on said valve stem downwardly movable into said bore to obstruct

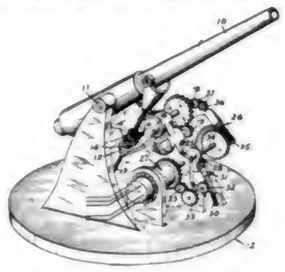


the same upon the descent of the lift valve and upwardly movable out of said bore to clear the same upon the elevation of the lift valve, a closure cap for the upper end of the valve sleeve, supporting means guiding the closure cap for vertical movement and limiting its gravitating descent to a level spaced above the retracted valve sleeve, said closure cap being engaged and lifted by the valve sleeve during the elevation of the lift valve, said sump chamber together with the valve sleeve and closure cap constituting a compartment which, upon engagement of said valve sleeve with said closure cap, traps therein a measured charge of liquid from the container, the clearing of said discharge bore by said plug following the engagement of said valve sleeve with said closure cap to release from the dispenser the charge of liquid trapped in said measuring compartment.

2,457,532
GUN CONTROL COMPENSATING MECHANISM
Frederick W. Cunningham, Stamford, Conn., assignor to Arma Corporation, Brooklyn, N. Y., a corporation of New York
Application June 20, 1945, Serial No. 600,597
2 Claims. (Cl. 89—41)

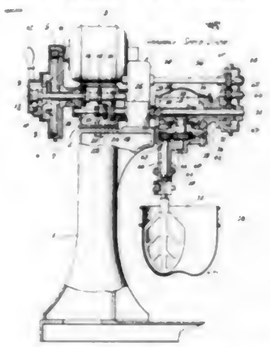
1. In combination with a motor-driven nut and screw mechanism for driving a member about a pivot, means for correcting the inherent non-linear characteristics of said mechanism including a cam having a contour conforming to the difference between the inherent non-linear drive pattern of said mechanism and the desired linear pattern, driving connections between said mechanism and said cam, a control transformer having a rotatable rotor and a rotatable stator, a source of signal voltage for energizing said mechanism, electrical connections between said

source and said stator, electrical connections between said rotor and said motor, driving connections between said motor and said rotor for rotating the latter to non-inductive angular relation with said stator, and driving connections



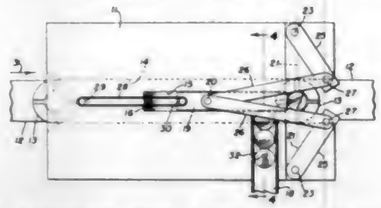
between said cam and said stator for rotating the latter to thereby change the angle through which the rotor is driven by said motor for accordingly correcting the movement of said member.

2,457,533
VERTICAL MIXER
Walter F. Dehuff, Glen Rock, Pa., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application September 5, 1945, Serial No. 614,535
4 Claims. (Cl. 74—300)



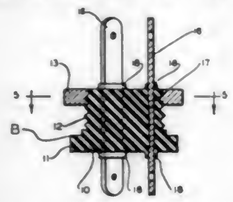
1. In a mixer, the combination with a vertical shaft, of a head revolubly mounted for rotation about the axis of rotation of said shaft, a vertical spindle revolubly mounted in said head with its axis eccentric to the axis of rotation of said head, whereby the rotation of said head will move said spindle in an orbital path, a bevel gear fastened to and coaxial with said head, a bevel gear fastened to said vertical shaft, a horizontal shaft, a bevel gear loosely mounted on said horizontal shaft and meshing with and driving the bevel gear secured to the head, a bevel gear fastened on said horizontal shaft and meshing with and driving the bevel gear fastened on said vertical shaft, a pinion secured on said vertical shaft, a gear secured on said spindle and meshing with said pinion, driving mechanism for driving said horizontal shaft whereby said spindle will be revolved on its own axis, and a variable speed device driven from said driving mechanism and connected to and driving the bevel gear loosely mounted on said horizontal shaft whereby said head will be revolved to move said spindle in an orbital path, said device being operable to vary the speed at which said head is revolved and thereby to vary the precession ratio of the rotation of the spindle relative to the rotation of the head.

2,457,534
BUTTON BLANK FEEDING ATTACHMENT
Joseph A. De Marco, Brooklyn, N. Y.
Application January 7, 1947, Serial No. 720,553
1 Claim. (Cl. 79—17)



In association with a conveyor including a row of blank receiving chucks, a feeding attachment comprising in combination, an elongated plate positioned above said conveyor and provided in the underside thereof with a longitudinally extending passage for said chucks, the upper surface of said plate being formed with a longitudinally extending channel terminating at one end thereof in an opening communicating with said passage, an ejecting bar slidable in said channel, a blank delivery trough communicating with said channel adjacent said opening, a pair of rotatable shafts extending through said plate on the relatively opposite sides of said passage, a pair of transversely aligned coacting dogs secured to the lower ends of said shafts and projecting into said passage, a pair of levers mounted on the upper ends of said shafts, an upright pivot pin provided medially the length of said bar, a pair of links each mounted at one end thereof on said pin, the remaining end of each link being pivoted to one of said levers, the engagement of said chucks with said dogs sliding said bar toward said opening, and tensioning means for returning said bar to its initial position.

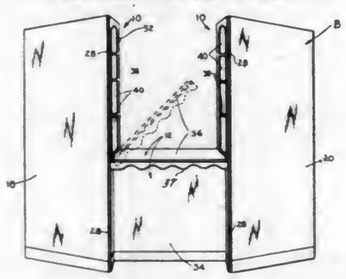
2,457,535
ELECTRICAL TERMINAL BUSHING
Russell S. Diethert, Chicago, Ill., assignor to Northwest Plastics, Inc., St. Paul, Minn., a corporation of Minnesota
Application July 20, 1944, Serial No. 545,841
4 Claims. (Cl. 174—153)



1. An electric terminal of the character described including, the elongate flat-strip-like conductor elements, transverse serrations formed on the flat opposed side faces of said conductor elements, a non-metallic plastic body of insulating material molded about and between said conductor elements intermediate the ends of the latter and extending into said serrations so as to prevent relative longitudinal movements between said conductor elements and body, said body being

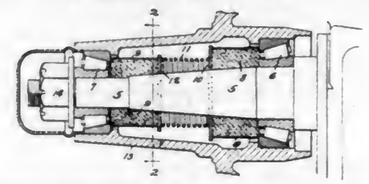
formed with flat parallel ends and a flanged end and an externally screw-threaded surface, and means threadedly engaged with the externally threaded surface of the body.

2,457,536
CONVERTIBLE REFRESHMENT BAR AND PARTITIONING SCREEN
David L. Doggett, Mount Kisco, and Wallace Schler, Forest Hills, N. Y., assignors to Hofstatter's Sons, Inc., Long Island City, N. Y., a corporation of New York
Application September 6, 1945, Serial No. 614,760
9 Claims. (Cl. 312—140.2)



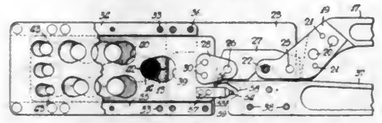
8. As an article of furniture, a convertible refreshment bar and partitioning screen comprising a stand provided with a structure defining a refreshment serving station, said stand being constructed at its front side with stationary outside panel members and movable inside panel members, the movable inside panel members being movable to open position to expose said serving station and being movable to closed position to conceal said serving station, the said front panel members when the movable panel members are moved to their closed position being arranged to define a partitioning screen, said serving station including a backdrop and a counter shelf, the counter shelf being movable between vertical inoperative and horizontal operative positions, the movable panel members being movable to closed position when the shelf is moved to its inoperative position.

2,457,537
MOTOR VEHICLE FRONT WHEEL LUBRICATION DEVICE
Porter D. Douglass, Oakland, Calif.
Application April 9, 1947, Serial No. 740,340
4 Claims. (Cl. 308—187)



1. The combination with the bearing races of a spindle and wheel operating on the spindle, of a lubricating mechanism comprising cartridges containing lubricating material, said cartridges having central openings for positioning over the spindle in contact with the bearing races, and a yieldable member disposed between the cartridges adapted to urge the cartridges into engagement with the bearings, lubricating the bearings.

2,457,538
CRIMPING TOOL
Henry Peter Dupre, New York, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application November 11, 1944, Serial No. 563,029
4 Claims. (Cl. 153—1)



1. A tool for reforming the shapes of articles comprising a plurality of plates, at least one of said plates being intermediately positioned between two co-acting plates all of said plates being spaced immediately adjacent each other, to prevent bending the article axially; means for moving the intermediate and the adjacent plates in a predetermined linear direction with respect to each other, during the reforming of the shapes of the articles and alternately returning the plates to their original positions each of said plates containing a plurality of cut-out sections arranged non-transversely to the direction of motion, each one of the cut-out sections in the intermediate plate being transversely aligned in position with respect to a cut-out section in each of the adjacent plates in their original positions to permit the article to be inserted transversely therethrough, at least one of said cut-out sections in each transverse aligned sections provided with a working die surface for reforming the shape of the article when the intermediate and adjacent plates are moved with respect to each other.

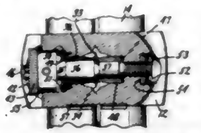
2,457,539
TREATMENT OF CHLOROMETHYL-SUBSTITUTED POLYSILOXANES
John R. Elliott and Robert H. Krieble, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application May 5, 1945, Serial No. 592,291
5 Claims. (Cl. 260—46.5)

1. In the process of treating a preformed methylpolysiloxane containing silicon-bonded chlorinated methyl groups thereby to obtain a methylpolysiloxane of higher molecular weight, the step which comprises effecting intimate contact between said polysiloxane and an aqueous alkaline solution having a pH of at least 9 whereby the said bond is cleaved and the corresponding chlorinated methane is formed, and allowing the resulting polysiloxane to condense to form a methylpolysiloxane of higher molecular weight than the starting methylpolysiloxane.

2,457,540
DEVICE FOR SLITTING THE SHEATH OF A CABLE
Dudley Farlin Fasoldt, Prospect Heights, Rensselaer, N. Y.
Substituted for abandoned application Serial No. 339,600, June 10, 1940. This application January 18, 1947, Serial No. 722,925
5 Claims. (Cl. 30—91)

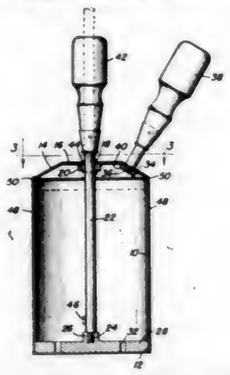
1. In a cable cutting device, a head provided with an opening in which a cable provided with a sheath is receivable, a shaft mounted in said head above said cable and at substantially right angles thereto, a revoluble cutting tool provided with a hole of greater diameter than that of said shaft and mounted thereon, means for preventing undesirable longitudinal movement of said cutting tool on said shaft, means associated with

said shaft and said cutting tool for displacing said cutting tool axially of said shaft whereby the



depth of scarf cut by said tool in said sheath may be varied, and means whereby said cutting tool may be moved longitudinally along said cable.

2,457,541
ICE-CREAM PACKER
Leo J. Gilcrest, Cyrus, Minn.
Application August 20, 1947, Serial No. 769,638
2 Claims. (Cl. 107—48)

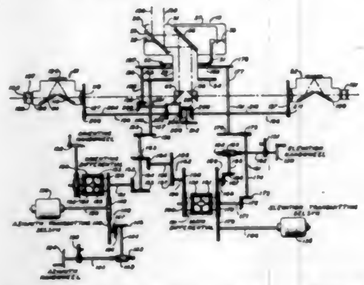


1. An ice cream packer comprising a cylindrical body having open upper and lower ends, an elongated guide plate having its terminals rigidly secured to said body at the upper end thereof, an aperture centrally located in said guide plate, a piston rod slidably mounted in said aperture, a piston carried by said rod, hand gripping means carried by said guide plate and inclined relative to said rod for holding said body, said guide plate provided with a slot communicating with said aperture, a lug carried by the innermost end of said rod extendable through said slot to bear upon the outer face of said guide plate for retaining said piston at the upper end of said body, and a substantially U-shaped member carried by said body for reducing the frictional engagement between the outer periphery of said body and a material in which the same is inserted, said U-shaped member including a web portion extending across the lower end of said body.

2,457,542
PROCESS OF THICKENING LATEX
Victor Golden, Chatham, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
No Drawing. Application August 12, 1944, Serial No. 549,285
12 Claims. (Cl. 260—8)

1. The process of thickening an aqueous dispersion of a rubber which comprises forming an intimate mixture of said dispersion with a small amount of a slurry of water-swellable thickening agent in a non-aqueous, water miscible liquid in which the said thickening agent is substantially insoluble, said water-swellable thickening agent combining with water originally present in the said dispersion to which said thickening agent is added, thereby producing a gel which causes thickening of the dispersion to take place.

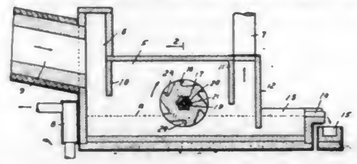
2,457,543
OPTICAL SIGHTING DEVICE HAVING REFLECTOR MEANS FOR TRACKING MOVABLE OBJECTS
Elsworth H. Goldsmith, New York, N. Y., Roy V. Terry, Maplewood, N. J., and Jacob W. Schaefer, Philadelphia, Pa., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1946, Serial No. 654,980
4 Claims. (Cl. 88—72)



1. An optical sighting apparatus comprising a box-like body, apertured top and side walls in said body, a dome-like head rotatably supported on said body and rotatable on a vertical axis with respect to said body, an L-shaped casing supported in said head and rotatable on a horizontal axis with respect to said head, means for rotating said head on the vertical axis, and means for rotating said L-shaped casing on the horizontal axis, a light reflecting device in said L-shaped casing to receive light reflections from outside said L-shaped casing and to transmit the light reflections into said head, a light reflecting device in said head arranged to receive light reflections from the light reflecting device in said L-shaped casing, and to transmit the light reflections into said body, a set of light reflecting devices in said body to receive the reflections transmitted into said body by way of said head, each light reflecting device in said set being arranged to transmit light reflections in a direction different from the direction of transmission by other light reflecting devices in said set, and an optical eye-piece individual to each reflecting device in said set and supported in spaced relation in said body and extending through an apertured side wall in said body, said optical sighting apparatus providing a means whereby a plurality of persons operating the optical sighting apparatus may simultaneously see an image of a distant object on which the optical sighting apparatus is trained.

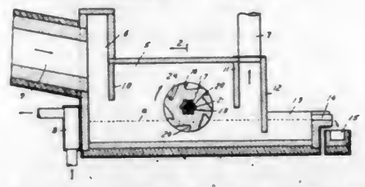
2,457,544
METHOD OF CONDENSING ZINC VAPOR
Erwin C. Handwerk, George T. Mahler, and Harry C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Original application November 3, 1945, Serial No. 626,508. Divided and this application September 11, 1946, Serial No. 696,172
2 Claims. (Cl. 75—88)

1. The method of condensing zinc vapor which comprises passing a gaseous stream containing zinc vapor through a condensing chamber having a body of molten zinc in the bottom thereof, and hurling by centrifugal action a substantially continuous and upwardly-directed shower of said



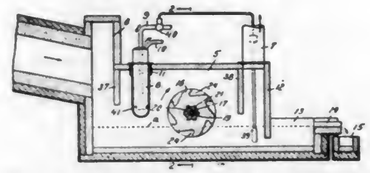
molten zinc of such violence as to provide by itself and by its splashing against the confining upper portion of the chamber turbulent sheet-like showers of molten zinc through which the gaseous stream passes.

2,457,545
CONDENSING ZINC VAPOR
Erwin C. Handwerk, George T. Mahler, and Harry C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application November 3, 1945, Serial No. 626,508
11 Claims. (Cl. 266—1)



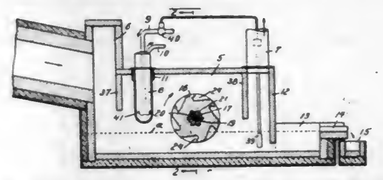
11. A condenser for zinc vapor comprising a condensing chamber provided with top, wall and bottom members and having a zinc vapor inlet and a gas outlet and adapted to hold a body of molten zinc, a generally cylindrical rotor having peripheral surface pockets rotatably mounted within said chamber with its axis substantially horizontal and with its lowermost pocket beneath the level of the molten zinc adapted to be held in the chamber, and means for rotating said rotor so that its successively ascending pockets are caused to pick up in rapid succession and throw into the chamber in a substantially continuous and upwardly-directed shower small amounts of the molten zinc held in the chamber.

2,457,546
PROCESS FOR CONDENSING ZINC VAPOR
Erwin C. Handwerk, George T. Mahler, and Harry C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Original application December 5, 1945, Serial No. 633,004. Divided and this application January 14, 1947, Serial No. 722,066
2 Claims. (Cl. 75—88)



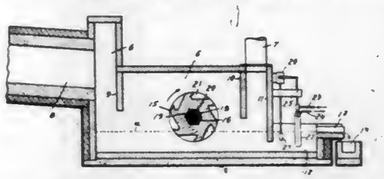
1. The method of condensing zinc vapor which comprises passing a gaseous stream containing zinc vapor through a condensing chamber having a body of molten zinc in the bottom thereof, subjecting the gaseous stream during its passage through the chamber to the cooling effect of a stream of extraneous cooling medium flowing through a confined path within the chamber and out of direct contact with the zinc therein, and hurling sheets of molten zinc from said body thereof upwardly against the confined path of said cooling medium in such manner that heat exchange between the zinc vapors in said gaseous stream and the cooling medium in said confined path is effected through the medium of the molten zinc splashed on said confined path.

2,457,547
INTERNALLY COOLED ZINC CONDENSER
Erwin C. Handwerk, George T. Mahler, and Harry C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application December 5, 1945, Serial No. 633,004
2 Claims. (Cl. 266—15)



1. A condenser for zinc vapor comprising a condensing chamber provided with top, wall and bottom members and having a zinc vapor inlet and a gas outlet and adapted to hold a body of molten zinc, a cooling shell depending into said chamber from the roof thereof, a horizontally disposed shaft extending through the walls of said chamber and mounted in bearings outside the chamber, means providing zinc vapor and molten metal seals where said shaft extends through the walls of the chamber, a generally cylindrical rotor having peripheral surface pockets secured to said shaft within the chamber with the lowermost pocket beneath the level of the molten zinc adapted to be held in the chamber, and means for rotating said shaft so that the successively ascending pockets of the rotor are caused to throw an upwardly-directed shower of molten zinc into and substantially completely transversely of the chamber in the region of said cooling shell.

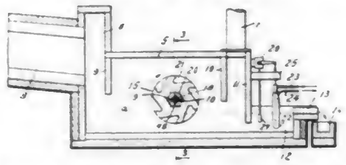
2,457,548
PROCESS FOR CONDENSING ZINC VAPOR
Erwin C. Handwerk and George T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application June 22, 1946, Serial No. 678,540
2 Claims. (Cl. 75—88)



1. The method of condensing zinc vapor which comprises passing a gaseous stream containing zinc vapor through a condensing chamber having

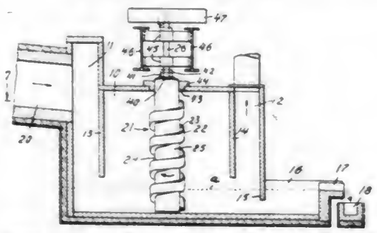
a body of molten zinc therein, maintaining exteriorly of the condensing chamber a body of molten zinc communicating with the body of molten zinc in the chamber, effecting intimate contact between the gaseous stream and the molten zinc within the condensing chamber by hurling molten zinc from said body thereof upwardly into the upper portion of the condensing chamber through which the gaseous stream passes while facilitating circulation of molten zinc between the bodies thereof by the agitation of the body of molten zinc in the condensing chamber, and controlling the operating temperature of the condensing chamber by subjecting said exterior and communicating body of molten zinc to the cooling effect of a stream of extraneous cooling medium flowing through a confined path in said molten zinc but out of direct contact therewith.

2,457,549
APPARATUS FOR CONDENSING ZINC VAPOR
Erwin C. Handwerk and George T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application July 1, 1947, Serial No. 758,288
3 Claims. (Cl. 266—15)



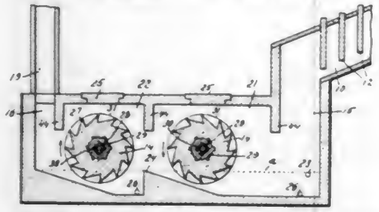
1. A condenser for zinc vapor comprising a condensing chamber having a zinc inlet and a gas outlet and adapted to hold a body of molten zinc, a well communicating directly with said chamber and adapted to hold a body of molten zinc in communication with molten zinc in the chamber, a rotor provided with peripherally disposed pockets capable upon rotation of the rotor of agitating molten zinc in the condensing chamber to facilitate circulation of molten zinc between said bodies thereof and capable of hurling molten zinc from said body thereof within the condensing chamber into the upper portion of the chamber in the path of zinc vapor passing therethrough, means for rotating said rotor, and a cooling shell positioned in the molten zinc in said well.

2,457,550
CONDENSING ZINC VAPOR
George T. Mahler, Palmerton, and Erwin C. Handwerk, Lehighton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application March 11, 1948, Serial No. 14,286
2 Claims. (Cl. 75—88)



1. The method of condensing zinc vapor which comprises maintaining a body of molten zinc within a condensing chamber, raising molten zinc from said body thereof vertically within the chamber and throwing the raised molten zinc by centrifugal force outwardly in the form of an umbrella-like shower into the chamber above the body of molten zinc therein, and condensing the zinc vapor by passing it in a gaseous stream through the chamber in contact with said shower.

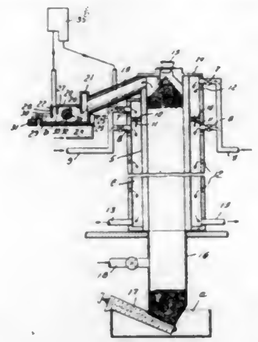
2,457,551
CONDENSING ZINC VAPOR
Stanley Robson, Bristol, England, assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application January 14, 1947, Serial No. 722,083
In Great Britain March 12, 1946
2 Claims. (Cl. 75—88)



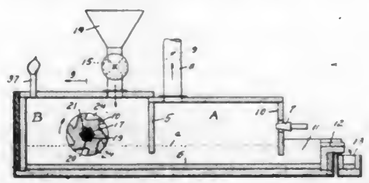
1. In the method of condensing zinc vapor in which zinc vapor bearing gases are condensed in a first zone comprising a baffle-type condenser, and the residual zinc vapor bearing gases and molten zinc are passed into a second zone within a chamber wherein the molten zinc collects in a pool, the improvement which comprises condensing zinc vapor in said first zone while maintaining the condensing surfaces in said zone at a temperature sufficiently high to prevent substantial formation of physical blue powder, and effecting in said second zone condensation of previously uncondensed zinc vapor in said gases by hurling by centrifugal action a substantially continuous and upwardly-directed shower of said molten zinc of such violence as to provide by itself and by its splashing against the confining upper portion of the chamber turbulent sheet-like showers of molten zinc through which said zinc vapor-containing gases pass, the condensation in said second condensing zone being conducted in two phases having separate pools of molten zinc which communicate with one another, the molten zinc in the pool of the first phase being maintained at a temperature of at least about 500° C. to permit tapping of the molten metal therefrom and the temperature of the molten zinc in the pool of the second phase being maintained approximate the melting point thereof, causing the zinc vapor bearing gases and the condensed molten zinc to flow countercurrently through the two phases, tapping molten zinc from the pool thereof in the first phase, and withdrawing uncondensed gases from the second phase.

2,457,552
VERTICAL RETORT PROCESS FOR ZINC SMELTING
Erwin C. Handwerk and George T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application January 17, 1946, Serial No. 641,711
1 Claim. (Cl. 75—88)

The improvement in the continuous smelting of an agglomerated charge of mixed zinciferous material and carbonaceous reducing agent in an externally-heated vertical retort, which comprises heating the top of the column of agglomerated charge in the retort to a sufficiently high temperature to inhibit any substantial condensation of zinc vapor and refluxing of molten zinc approximate the top of the charge column, passing the zinc vapor bearing smelting gases continuously through a condensing chamber having a body of molten zinc in the bottom thereof, hurling by centrifugal action a substantially continuous and upwardly-directed shower of said molten zinc of such violence as to provide by itself and by its splashing against the confining upper portion of the condensing chamber turbulent sheet-like showers of molten zinc through which the gaseous stream passes, withdrawing the worked-off charge from the bottom of the retort through a depending extension thereof sealed from the atmosphere at its bottom, and introducing into said extension a combustion supporting gas in amount of 2 to 3 times that required to insure an upward draft in the retort, said amount being sufficient to supply by its combustion with carbon in the charge a substantial amount of internal heating of the charge in the retort with attendant substantial dilution of the zinc vapor bearing smelting gases.

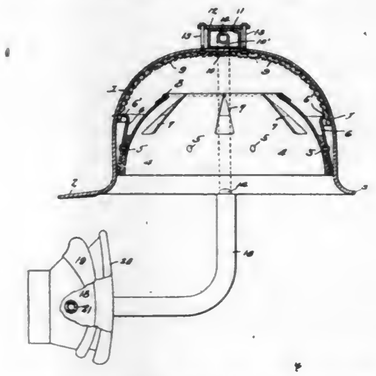


2,457,553
METHOD FOR MELTING ZINC DUST
Erwin C. Handwerk, George T. Mahler, and Harry C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application December 21, 1945, Serial No. 636,420
3 Claims. (Cl. 75—86)



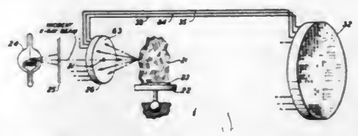
1. The method of melting finely divided zinc in a heated melting chamber having a body of molten zinc in the bottom thereof which comprises hurling by centrifugal action a substantially continuous and upwardly-directed shower of said molten zinc of such violence as to provide by itself and by its splashing against the confining upper portion of the chamber turbulent sheet-like showers of molten zinc within the chamber, and introducing the finely divided zinc into said shower of molten zinc whereby the particles of zinc to be melted mingle and contact with the molten zinc thrown upwardly into the chamber and are melted or entrapped thereby.

2,457,554
HELMET
Harry C. Harding, Trucksville, Pa.
Application March 15, 1946, Serial No. 654,583
3 Claims. (Cl. 128—145)



1. The combination with a ported helmet having a removable interior support formed with air openings therein, of a filter removably insertable in the helmet in close relation thereto, an interior ring in the helmet connected to and surrounding the support and adapted, when inserted in the helmet, to press the filter against the helmet, said support and helmet forming a chamber the sole egress from which is through the helmet port, and communicating means between said port and a mouthpiece.

2,457,555
APPARATUS FOR ORIENTING QUARTZ CRYSTALS BY X-RAYS
Francis E. Haworth, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 9, 1945, Serial No. 603,938
8 Claims. (Cl. 250—53)



2. Apparatus for orienting a specimen of crystalline material which comprises means for projecting a beam of X-rays onto said specimen, means for receiving the Laue pattern of X-rays reflected by said specimen on a selective pattern receiver, a group of individual light sources, and means for selectively energizing the light sources of said group in accordance with the pattern received by said pattern receiver, said receiving means and said energizing means operating substantially simultaneously and in step.

2,457,556

REGENERATION OF SYNTHETIC METAL SILICATE ADSORBENTS BY OXIDATION

Heinz Heinemann, Upper Darby, and Knut A. Krieger, Philadelphia, Pa., assignors to Attapulgus Clay Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application July 28, 1945, Serial No. 607,678
2 Claims. (Cl. 252—242)

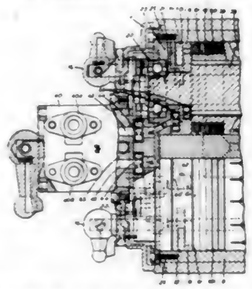
1. A method of regenerating a spent synthetic metal silicate adsorbent containing adsorbed carbonaceous materials, which comprises purging said spent silicate with steam to remove at least a portion of the carbonaceous materials, removing moisture resulting from the steaming of said purged silicate at a temperature not higher than 700° F., and then heating said purged silicate at a temperature between 900° F. and 1400° F. in a current of air carrying not more than 3 milligrams of water per liter of air measured at 75° F. and 760 mm. pressure for a period of time sufficient to remove an additional portion of said carbonaceous materials.

2,457,557

PROJECTOR FOR LIQUID AND PULVERULENT OR SMALL MATERIAL

George Seymour Higginson, Ilford, England, assignor of one-half to Guy Stedman May Ashby, Hermitage, England

Application September 22, 1944, Serial No. 555,364
In Great Britain September 24, 1943
12 Claims. (Cl. 259—18)



1. A projector for fluid materials comprising a cylindrical rotor in which are a number of angularly spaced, lonitudinal pockets, said pockets being adapted to receive the material to be projected, and valve controlled means for supplying fluid under superatmospheric pressure to each pocket in the vicinity of the end of each pocket toward the axis of the rotor and substantially throughout the whole of the length thereof when the pocket attains a predetermined position during turning of the rotor.

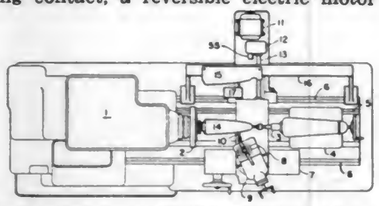
2,457,558

MEASURING AND CONTROL SYSTEM

Anthony J. Hornfeck, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application March 20, 1944, Serial No. 527,308
2 Claims. (Cl. 82—14)

1. In a duplicator for machine tools and the like having a relatively movable tool and work piece; a pattern having a shape corresponding to the desired shape of the work piece; a tracer for scanning the pattern and comprising a three-legged core member, one of said legs having an A. C. energized primary winding, the two remaining legs having each a secondary winding inductively energized from the primary, a movable armature piece carrying said tracer for varying the coupling between said windings, a resistor connected into a bridge circuit with said secondary windings and having an adjustable balancing contact, a reversible electric motor ar-



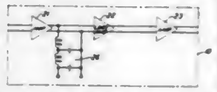
ranged to relatively move said tool and work piece and said tracer and pattern, means responsive to unbalance in said bridge circuit to regulate the speed and direction of said motor in accordance with the degree and direction of departure from balance, and an interconnecting drive between said motor and contact to provide movement of the contact by the motor tending to at least partially rebalance said bridge.

2,457,559

REPEATER FOR PULSE COMMUNICATION SYSTEM

George H. Huber, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 15, 1945, Serial No. 577,954
1 Claim. (Cl. 179—171)



In a system for communication by modulated pulses of high frequency waves at least one repeater including a receiver for detecting the incoming high frequency waves, an amplifier for the pulse output of said receiver, a transmitter for generating new pulses of high frequency waves in response to the pulse output of said amplifier and operating inherently to produce pulses of high frequency waves of shorter duration than the signal pulse input from said amplifier, and a pulse shaping circuit associated with said amplifier and comprising an open-ended delay network having its input terminals connected to the amplifier path and of such characteristics as to reflect each pulse at said terminals with a time delay less than the length of any pulse to be transmitted, and means for clipping the combined directly transmitted and reflected pulses to produce shaped pulses of substantially uniform amplitude and of length greater than the input pulses by an amount equal to the time delay of the reflected pulses.

2,457,560

PECTIC ENZYME PREPARATIONS FORTIFIED WITH PECTINESTERASE

Eugene F. Jansen and Hans Lineweaver, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application June 18, 1946, Serial No. 677,466
1 Claim. (Cl. 195—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

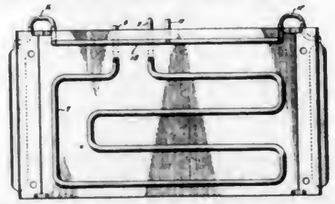
The process of increasing the glycosidic hydrolysis action on polygalacturonides of a pectic enzyme preparation comprising fortifying the preparation with from about 0.085 to about 2.360 parts of pectinesterase per part of pectic enzyme preparation.

2,457,561

EVAPORATOR UNIT

Bernard C. Johnson, Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application September 26, 1946, Serial No. 699,459
9 Claims. (Cl. 62—126)



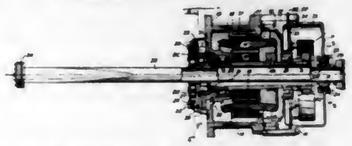
9. An evaporator comprising a U-shaped unit having fluid circulating ducts therein terminating in header chambers in the legs of the U, a heat transfer wall member spanning the legs of the U and having a fluid circulating duct and a drying duct, a refrigerant supply tube connected to the circulating duct in said wall member, a conduit connecting the circulating duct in said wall member and the ducts in said U-shaped unit, and conduits connecting said header chambers with the drying duct in said wall member for receiving refrigerant from the headers after the refrigerant has circulated through the fluid circulating ducts in both the wall member and U-shaped unit.

2,457,562

ANTENNA DRIVE MECHANISM

Edward H. Karleen, Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 9, 1945, Serial No. 603,991
3 Claims. (Cl. 250—33.63)



1. A radio signaling device having a wave guide element, a mechanism for actuating said wave guide, said mechanism comprising a motor having a hollow shaft, a cup-shaped member carried by said shaft and eccentrically disposed relative to the longitudinal axis thereof, a casing for said motor, a gimbal bearing mounted in said casing for supporting one end of said wave guide and a bearing mounted in said cup-shaped member supporting said wave guide at another point to cause the latter to generate a conical movement relative to the longitudinal axis of said hollow shaft upon the operation of said motor.

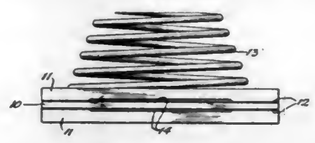
2,457,563

CRYSTAL MOUNTING

Dan W. Keller, Chicago, Ill.

Application April 10, 1944, Serial No. 530,279
3 Claims. (Cl. 171—327)

1. A crystal mounting comprising a thin resilient sheet of metal of a thickness between .002" and .016" overlying and in surface contact with the crystal throughout substantially the entire



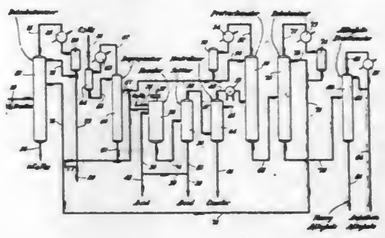
surface of one face of the crystal, and means engaging the sheet and pressing it against the crystal.

2,457,564

PREFRACTIONATION OF HYDROCARBON ALKYLATE TO ELIMINATE PROPANE

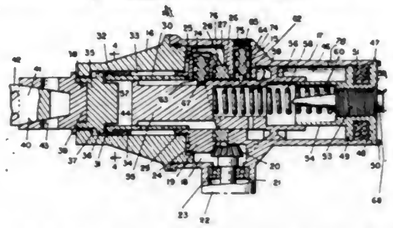
Ludwig Kniel, Jackson Heights, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application April 29, 1942, Serial No. 440,931
3 Claims. (Cl. 260—683.4)



1. The process of alkylating an isoparaffin with a normally gaseous olefin to form high antiknock motor fuel, which comprises fractionating a feed stock containing the isoparaffin and unreactive hydrocarbons both higher boiling and lower boiling than the isoparaffin to separate the isoparaffin and the lower boiling hydrocarbons as overhead therefrom, contacting the isoparaffin overhead with the normally gaseous olefin in the presence of an alkylation catalyst to effect alkylation of the isoparaffin with the olefin, maintaining an excess of isoparaffin over that required to react with the olefin during alkylation, separating the resulting hydrocarbon mixture from the alkylation catalyst, subjecting the hydrocarbon mixture to a prefractionation to separate the lower boiling unreactive hydrocarbons and a portion only of the excess isoparaffin as overhead therefrom to concentrate the unreactive hydrocarbons in such overhead, passing such overhead to a zone independent of the zone of said prefractionation and there fractionating such overhead alone under fractionating conditions independent of fractionating conditions within the prefractionation zone to separate the unreactive lower boiling hydrocarbons from the excess isoparaffin therein, eliminating the separated unreactive hydrocarbons from the system, fractionating the remainder of said hydrocarbon mixture to separate the remaining isoparaffin from the alkylate, recycling the isoparaffin recovered in the system to the alkylation zone to maintain the excess of isoparaffin therein, and fractionating the alkylate to recover a high antiknock motor fuel.

2,457,565
POWER TOOL
Leo F. Kott, Detroit, Mich.
Application January 21, 1946, Serial No. 642,568
5 Claims. (Cl. 255—43)

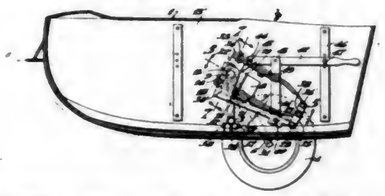


1. In a power tool, a tool holder, means for imparting a succession of blows to said holder including a reciprocable plunger, a spring constantly urging said plunger in a direction toward said tool holder, means for intermittently urging the plunger in the opposite direction, said means including a cam on the plunger, a member rotatable about the axis of the plunger, a follower rotatable with said member and engageable with said cam, and a driving connection between the member and tool holder permitting sliding movement of the latter relative to the former.

2,457,566
REGENERATION OF ALUMINA ADSORBENTS BY OXIDATION
Knut A. Krieger, Philadelphia, and Heinz Heinemann, Upper Darby, Pa., assignors to Porocel Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 7, 1945, Serial No. 603,744
2 Claims. (Cl. 252—242)

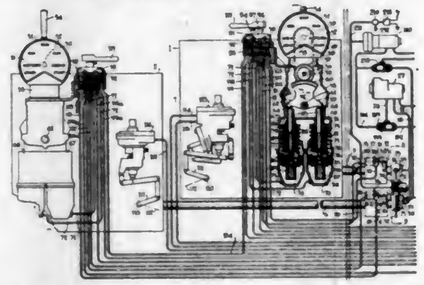
1. A method of regenerating a spent alumina containing adsorbed carbonaceous materials, which comprises purging said spent alumina with steam to remove at least a portion of the carbonaceous materials, removing moisture resulting from the steaming of said purged alumina at a temperature not higher than 700° F., and then heating said purged alumina at a temperature between 900° F. and 1400° F. in a current of air carrying not more than 3 milligrams of water per liter of air measured at 75° F. and 760 mm. pressure for a period of time sufficient to remove an additional portion of said carbonaceous materials.

2,457,567
BOAT TRAILER
Ray F. Kuns, Cincinnati, Ohio
Application July 10, 1945, Serial No. 604,180
3 Claims. (Cl. 9—1)



1. The combination with a boat, of two wheels positioned outside said boat and adjacent the sides thereof, manually operative means to lower said wheels in contact with the ground to support said boat comprising rotatable means passing through the sides of said boat, leg member rigidly connected with the outer ends of said rotatable means and with the spindles of said wheels, leaf spring suspension means inside said boat rigidly connected with the inner ends of said rotatable and oscillating means, independent links having shackle connections with the free ends of the respective leaf spring suspension means, manually operable levers pivoted eccentrically of the rotatable means and having the remaining ends of the respective links pivotally connected thereto intermediate the ends of said levers and relatively closer to the pivotally mounted ends of the levers, the respective levers being independently and manually movable through one hundred eighty degrees (180°) to positions substantially parallel to the longitudinal axis of the boat, and means for anchoring the free ends of said levers to the inside of the boat.

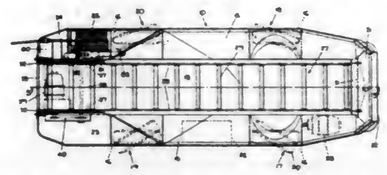
2,457,568
CONTROL APPARATUS FOR PLURAL MOTOR PROPULSION SYSTEMS
Arthur G. Larson, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 31, 1943, Serial No. 500,630
4 Claims. (Cl. 192—.01)



1. In combination, a prime mover, coupling means operable to transmit power from said prime mover, coupling control means operable upon supply of fluid under pressure to one pipe to render said coupling means effective and upon supply of fluid under pressure to a second pipe to render said coupling means ineffective, a manually operative coupling control device operable in one position to supply fluid under pressure to said one pipe and in a second position to supply fluid under pressure to said second pipe, speed regulating means for said prime mover adjustable by pressure of fluid in a chamber to effect operation of said prime mover at a speed proportionate to such pressure and at an idling speed when the pressure in said chamber is atmospheric pressure, manually operable speed control means operative to vary the pressure of fluid in said chamber, said coupling control device controlling the fluid control communication between said manually operable speed control means and chamber and being operative to open said communication in said one position and in said other position to close said communication and open said chamber to atmosphere.

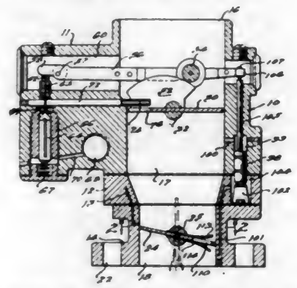
2,457,569
SHUTTLE CAR
Arthur L. Lee, Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application January 19, 1944, Serial No. 518,810
22 Claims. (Cl. 214—83.36)

21. A vehicle including a main frame, a material conveying body on said main frame, a longitudinally extending endless conveyor in the bottom of said body, a pair of power driven wheel assemblies at one end of said frame, one on each side thereof, each including a traction wheel, a driving motor for driving both of said wheels, and a drive shaft extending transversely of said



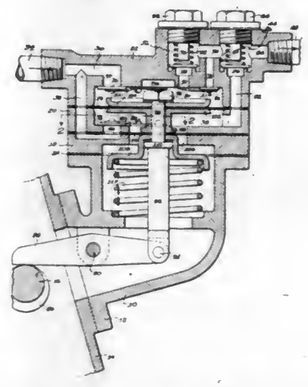
frame and interconnecting drive gearing to both of said wheels, said drive gearing including a differential in one of said assemblies located outside said main frame, the axis of said transversely extending drive shaft being located below a horizontal plane passing through the axes of rotation of said wheels, and extending between the upper and lower runs of said endless conveyor.

2,457,570
CARBURETOR
William E. Leibing, Detroit, Mich., assignor, by mesne assignments, to R. D. Fageol Co., Detroit, Mich., a corporation of Michigan
Application April 20, 1944, Serial No. 531,874
1 Claim. (Cl. 261—39)



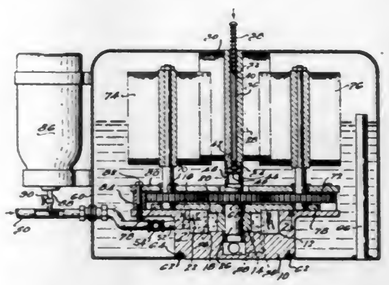
In an internal combustion engine comprising an induction passage designed to communicate with the intake manifold of the engine, an air vane in said induction passage movable toward open position by the flow of air therethrough, a fuel nozzle positioned adjacent said air vane and cooperating therewith to produce a combustible fuel-air mixture under all conditions of engine operation and constituting the sole source of such mixture in the carburetor, means controlled by temperature and suction for enriching said mixture for starting, a manually operable disk throttle posterior to said fuel nozzle and controlling said induction pasage, said throttle being provided with an aperture spaced from said edges for by-passing additional fuel mixture, and a resilient valve member mounted upon the anterior face of the throttle and overlying said aperture and held by its resilience spaced anteriorly from said aperture to permit fuel mixture from said nozzle to pass therethrough but movable by suction posterior to the throttle only when the throttle is in or near its closed position and the absolute pressure posterior to the throttle is below a predetermined value to a position wherein it restricts said aperture.

2,457,571
FUEL PUMP
William E. Leibing, Detroit, Mich., assignor, by mesne assignments, to R. D. Fageol Co., Detroit, Mich., a corporation of Michigan
Application September 4, 1945, Serial No. 614,418
9 Claims. (Cl. 103—150)



1. A fuel pump for an internal combustion engine comprising a casing formed of a plurality of superposed metallic sections forming a recess, a flexible member interposed between adjacent sections and dividing said recess into two pumping chambers, an aperture leading from one of said chambers to the exterior of the casing, a flexible diaphragm of less cross sectional area than said flexible member closing said aperture, an actuating member extending through said aperture and secured to said flexible member and said diaphragm, means energized by the engine for moving said actuating member positively in one direction and yieldingly in the opposite direction to alternately decrease the volume of the respective chambers, an inlet and an outlet line each having connections to each of said chambers, and a pressure controlled bypass from the outlet line to one of said chambers.

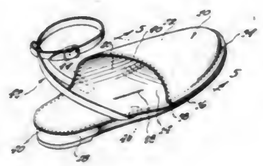
2,457,572
WASHING MACHINE
Joseph B. Leonard, Detroit, Mich.
Application November 23, 1944, Serial No. 564,776
2 Claims. (Cl. 15—76)



1. A washing device comprising a fluid motor having inlet and outlet passages, a tubular member journaled in said motor, said motor having a a rotor carried by said tubular member, said motor outlet passage communicating with one

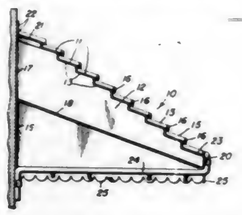
end of said tubular member at one side of said rotor, said tubular member having an outlet passage at the opposite side of said rotor, a rotatable brush carried by said tubular member, a valve for the outlet passage in said tubular member, said brush having an axially extending passage therethrough, a valve for said axially extending passage, a rod extending through said axially extending passage projecting beyond said brush and carrying said valves, and rotatable brushes adjacent said first named brush and rotatably driven by said rotor.

2,457,573
SHOE WITH SHEATH FORM OF UPPER
David E. Levin, Brooklyn, N. Y., assignor to I. Miller & Sons, Inc., Long Island City, N. Y., a corporation of New York
Application November 6, 1947, Serial No. 784,441
4 Claims. (Cl. 36—11)



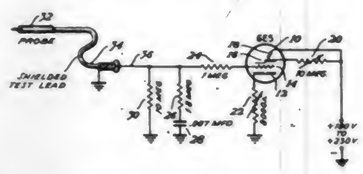
1. In a shoe having an outsole, an upper having a vamp which includes a portion shape to conform to the longitudinal arch of the foot and a bottom part disposed over and attached to said outsole as an element of the shoe bottom, said bottom part being integral with the forward portion of said vamp and said portion of the upper at the longitudinal arch side of the shoe and extending to the opposite side of the shoe, said vamp and said bottom part having adjacent edge portions secured in position at said last mentioned side of the shoe, said vamp and said portion of the upper terminating in a rear edge which extends forwardly from a point located in the rear part of the shoe at said first mentioned side thereof to a point located in the forward part of the shoe at said opposite side thereof.

2,457,574
AWNING
Fred G. Lewis, Charleston, W. Va.
Application August 18, 1947, Serial No. 769,263
3 Claims. (Cl. 20—57.5)



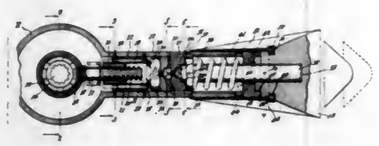
1. An awning comprising in combination, a plurality of substantially V-shaped plates arranged in a spaced, overlapping relation, a pair of end members supporting said plates in an inclined position, and upturned flanges provided at the lower edges of said plates, said flanges on each plate being mutually spaced to provide a drain opening therebetween.

2,457,575
VOLTAGE INDICATOR
Arthur Liebscher, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 23, 1944, Serial No. 536,892
2 Claims. (Cl. 175—183)



1. A voltage indicator including an electron ray tube having a signal input electrode, a cathode, an anode, and a fluorescent target electrode, a circuit interconnecting said anode and said target electrode, a source of positive voltage, means connecting said circuit to said voltage source, a variable resistor included in said interconnecting circuit and positioned between said anode and said connecting means, the value of said resistor being such that any increase in the voltage applied to said signal input electrode beyond a predetermined value causes no corresponding increase in the current flowing in said interconnecting circuit, a circuit connecting said signal input electrode and said cathode, said last mentioned circuit including a grid current limiting resistor and a series connected resistor-capacitor series combination, the value of the resistor in said combination being relatively low, a relatively high value resistor in parallel with said combination, and a variable cathode resistor in series with said combination for controlling the magnitude of the nominal plate current derived from said tube.

2,457,576
AIRPLANE PROPELLER AND MEANS FOR ADJUSTING SAME
John G. Littrell, San Antonio, Tex.
Application July 20, 1944, Serial No. 545,767
3 Claims. (Cl. 170—160.11)

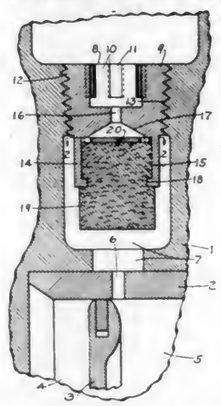


1. In an airplane propeller, a hub, tubular propeller sockets radiating from said hub a blade movable inwardly and outwardly of said hub with respect to said tubular propeller sockets and also adjustable angularly, substantially about the axis of the socket, a spindle, one end of which is affixed to said blade and located concentrically within said socket and the other end of which is affixed to a first cross head, a second cross head movable radially in said socket and fixedly coupled to said blade means to move said first cross head radially in said socket, and means between said cross heads and sockets for requiring said second cross head to rotate incident to its radial traverse.

2,457,577
PRODUCTION OF LOW-METHOXYL PECTINIC ACIDS FROM ALUMINUM-PECTIN COMPOSITIONS
William D. Maclay, Berkeley, Allan D. Shepherd, El Cerrito, Rolland M. McCready, Berkeley, and Robert P. Graham, Albany, Calif., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application December 11, 1946, Serial No. 715,594
7 Claims. (Cl. 195—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for preparing low-methoxyl pectinic acids from a dilute aqueous solution of pectin which comprises adding to said solution a water-soluble aluminum salt, adjusting the pH of the solution to about 4.2 to 4.5 to precipitate a water-insoluble pectin-aluminum composition, separating the precipitated pectin-aluminum composition and subjecting it to the action of an enzymic demethoxylating agent to form low-methoxyl pectinic acids, and then isolating the low-methoxyl pectinic acid.

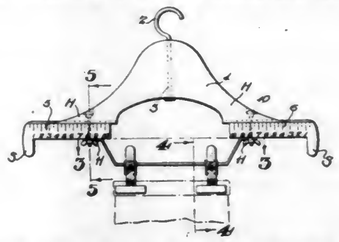
2,457,578
CHOKE FITTING
Charles W. Maliphant, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 31, 1944, Serial No. 538,178
1 Claim. (Cl. 138—41)



A removable choke plug comprising a body having a fluid flow restricting bore open to one end of said body, an axial bore of larger diameter connecting said restricting bore to the opposite end of said body to permit flow of fluid in the direction from said larger bore to said restricting bore, said body comprising at the outer end of said larger bore an inwardly directed annular flange, and a removable compressible filter element comprising a portion disposed in said larger bore, a portion disposed outside said body beyond said opposite end, and an intermediate portion disposed within and compressed by said annular flange for removably holding said filter element in said body.

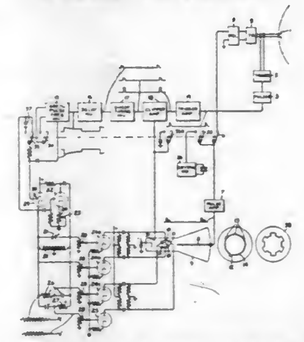
2,457,579
ADJUSTABLE COAT AND TWO PANTS HANGER
Theodore H. Maurer, Richmond Hill, N. Y.
Application June 6, 1947, Serial No. 752,894
4 Claims. (Cl. 223—90)

1. In a garment supporter, the combination with a suspending hanger having spaced alined heads, of a pair of slidably adjustable measuring arms mounted on said heads, quick-detachable means co-acting with said heads and arms for



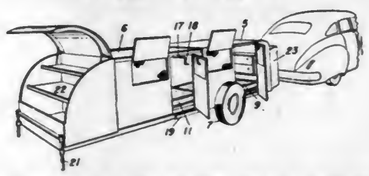
securing the arms in adjusted position, a supporting frame suspended from said quick-detachable means, and garment suspending means mounted on said frame.

2,457,580
RADIO LOCATING EQUIPMENT
Harry F. Mayer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application November 30, 1943, Serial No. 512,301. Divided and this application December 26, 1944, Serial No. 569,740
5 Claims. (Cl. 315—22)



2. In combination, a multivibrator, a sweep frequency oscillator keyed by said multivibrator, a cathode ray tube normally biased off, means excited by said oscillator for deflecting the cathode ray tube beam in a circular trace, delay means made operative by the leading edge of said first multivibrator output, and means for biasing the cathode ray beam on during the operative period of said delay means.

2,457,581
TRAILER
Byrl N. McCain, San Jose, Calif.
Application October 8, 1947, Serial No. 778,592
1 Claim. (Cl. 296—23)



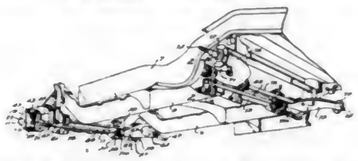
In a trailer, a pair of telescoping sections, one slidable within the other in a longitudinal direc-

tion, extensions formed on the outer of said sections for supporting said inner section when extended, reversible supports carried by said inner section for supporting the free end of said inner section when extended, a bed positioned in said outer section and having its sides spaced from the sides of said outer section, a second bed positioned in said inner section, said second-mentioned bed being suspended by cables, and a crank operatively connected to said cables whereby said second-mentioned bed may be elevated above the plane of said first-mentioned bed when said telescopic sections are in telescoped position.

2,457,582
GREASE COMPOSITION
Paul R. McCarthy, Allison Park, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application June 11, 1947, Serial No. 754,065
4 Claims. (Cl. 252—36)

1. An improved grease composition comprising between about 55 and about 80 per cent by weight of a refined mineral oil having a viscosity between about 500 and about 2000 S. U. V. at 100° F., between about 10 and about 20 per cent by weight of asphalt, and between about 10 and about 25 per cent by weight of a mixture of alkali-metal and zinc fatty acid soaps, the ratio of alkali-metal soap to zinc soap being between about 3:1 and about 1:1.

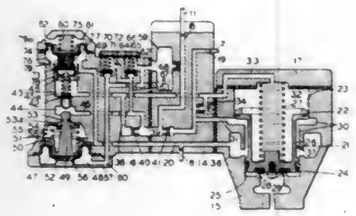
2,457,583
VEHICLE TORSION BAR INDIVIDUAL WHEEL SUSPENSION
Henry C. McCaslin, Dexter, Mich., assignor, by mesne assignments, to Kaiser-Frazer Corporation, Willow Run, Mich., a corporation of Nevada
Application October 24, 1946, Serial No. 705,385
8 Claims. (Cl. 280—124)



1. In a wheel suspension for a vehicle, a frame including longitudinal beams on opposite sides thereof, a transverse tubular member secured to and extending outwardly beyond said longitudinal beams, spaced bracket mounting means secured to said tubular member and said frame beams, brackets rigidly connected to each of said bracket-mounting means, a pair of transversely disposed wheel mounting members rotatably connected to said brackets, and a torsion bar for each of said wheel mounting members fixedly connected at one end to one of said wheel mounting members and at the opposite end thereof to one of said brackets which carries the other of said wheel mounting members.

2,457,584
CONTROL VALVE APPARATUS
Glenn T. McClure, McKeesport, and John W. Rush, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 24, 1946, Serial No. 672,134
7 Claims. (Cl. 303—69)

1. The combination of a fluid pressure controlled valve device having a normal position in which it establishes a communication through which fluid under pressure may be supplied to a fluid pressure receiving device and operative in response to a rapid reduction of the pressure in a control chamber to a different position in which the said communication is cut off and an exhaust communication is established through which fluid under pressure is released from the receiving device, a passageway through which fluid under pressure may be vented from the control chamber under the control of said valve device while in its said different position thereby to



cause a continued reduction of the pressure in the control chamber to maintain the said valve device in its said different position, and valve means operatively controlled by the pressure of the fluid in the receiving device in such manner as to open said passageway so long as the pressure in said receiving device exceeds a certain value, and to close said passageway upon the reduction of the pressure in said receiving device to below said certain value to render said value device ineffective in its said different position to continue the reduction of the pressure in the control chamber, thereby to enable restoration of the valve device to its normal position.

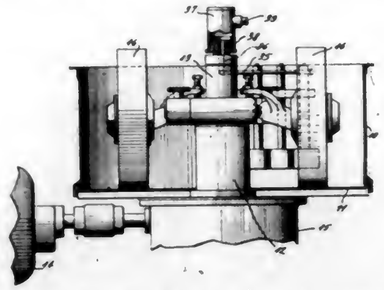
2,457,585
METHOD OF PRODUCING PENICILLINS
Robert B. McCormack, Milltown, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application June 10, 1944, Serial No. 539,797
3 Claims. (Cl. 195—81)

1. The method of producing a penicillin which comprises sterilizing a solid substrate essentially comprising moist oats, sodium citrate, and calcium carbonate, and growing a penicillin-forming mold thereon.

2,457,586
GREASE COMPOSITION
John F. McGrogan, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 4, 1946, Serial No. 694,633
6 Claims. (Cl. 252—36)

1. A grease composition consisting essentially of mineral lubricating oil, calcium soaps of fatty acids in an amount sufficient to impart the desired consistency to the grease, and a small quantity of a lead salt of an aliphatic monocarboxylic acid containing not more than 8 carbon atoms sufficient to increase the dropping point of said grease to a temperature between 300° F. and 500° F.

2,457,587
MATERIAL RECLAMATION SYSTEM
Robert Louis McIlvaine, Glencoe, Ill., assignor to Herbert S. Simpson, Evanston, Ill.
Application April 7, 1945, Serial No. 587,163
6 Claims. (Cl. 22—89)



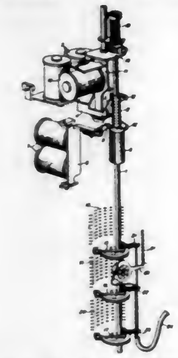
1. An attachment for a material mulling and agitating machine including a muller roller and a revolving head for moving the roller in a material confining chamber, a support fastened to and rotatable with said head and with said roller, a nozzle carried by and rotatable with said support for projecting downwardly a jet of flame directly into the material being treated to burn off foreign matter therefrom.

2,457,588
SPLIT RING CORD GUIDE FOR STEP-BY-STEP SWITCHES
Victor F. Miller, Queens Village, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 18, 1946, Serial No. 717,052
3 Claims. (Cl. 179—27.52)



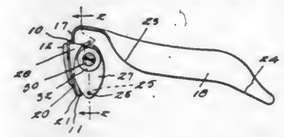
3. In a switch comprising a shaft, contact banks, wiper assemblies secured to said shaft and having projections thereon, means for actuating said shaft to cause the wipers of said assemblies to engage contacts in said banks and conductors connected to said assemblies, guide rings for confining said conductors therein, said guide rings detachably connectable to said assemblies, each of said guide rings comprising a split ring, the free end of one section of said split ring circumferentially resiliently overlapping another section of said split ring, other sections of said split ring formed into hook portions by means of which hook portions said guide ring may be secured to said assembly, said hook portions having a resilience therebetween due to the configuration of said ring whereby said hook portions may be separated resiliently for attachment thereof to said projections on said assemblies, said overlapping sections of said ring adapted to be resiliently separated to permit said conductors to be inserted therethrough to be confined within said ring and to be removed therethrough to be free from said ring without necessitating removal of said ring from said assembly and without necessitating removal of said assembly from said shaft and without necessitating disturbance of other assemblies, their rings or conductors on said shaft.

2,457,589
WIPER ASSEMBLY FOR STEP-BY-STEP SWITCHES
Victor F. Miller, Queens Village, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 18, 1946, Serial No. 717,053
6 Claims. (Cl. 179—27.52)



1. In a switch a wiper assembly comprising a body member adapted to be attached to a shaft of said switch, two electrically conductive resilient wiper arms insulatedly attached to said body member at one end of each of said two arms, the free ends of said two arms pretensioned to flex toward each other, a third arm extending from said body member and extending between the free ends of said two arms, and an insulating member attached to each arm near the free end thereof for separating the free end of each of said two arms from the extension of said third arm, for orienting said free ends prior to functioning of said free ends and for guiding said free ends during said functioning.

2,457,590
SAFETY RAZOR
William L. Mills, Waco, Tex.
Application June 21, 1944, Serial No. 541,386
2 Claims. (Cl. 30—69)



1. In a razor having a guard plate, a clamping plate, and a stud and lugs on the clamping plate occupying openings in the guard plate, a handle having a terminal through which the stud passes, fastening means on the stud engageable

against the terminal, a guard roller, means mounting said guard roller in operative position to the cutting edge of the blade, comprising side plates in which the roller is journaled, and means rotatably and slidably securing the side plates to the guard plate.

2,457,591

HYDROPHILIC-ORGANOPHILIC PIGMENTS AND METHODS FOR PRODUCING SAME

Maryalice Conley Moore, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 12, 1946, Serial No. 640,989

10 Claims. (Cl. 106—308)

4. A process for preparing an improved pigment which comprises mixing a pigment with from about 0.05% to 10% by weight, based on the pigment of a water-soluble omega-amino-alkylnitrile containing not to exceed 6 carbon atoms, and then polymerizing said nitrile on said pigment at a pressure ranging from 50–150 pounds per square inch and an elevated temperature ranging from 400–1100° F.

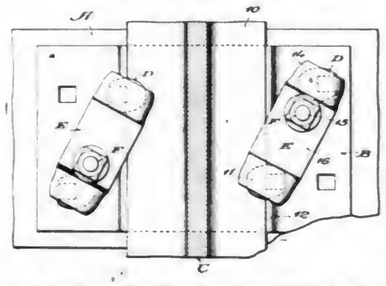
2,457,592

RAIL RETAINING AND SPIKE FASTENING MEANS

George W. Muller, Miami Beach, Fla.

Application April 21, 1944, Serial No. 532,071

12 Claims. (Cl. 238—294)



1. In a railway track structure, a tie, a tie-plate superimposed thereon, a rail seated upon said tie-plate and acting by its own weight and by train-weights imposed thereon to urge the tie-plate downwardly against the tie, a pair of headed track - element - fastening - spikes extending through openings in said tie-plate into the tie, a highly resilient sheet steel clamp-plate spanning the space between said spikes and seated upon the heads thereof, and a bolt securing said clamp-plate intermediate its ends to said tie-plate and maintaining the same under material downward flexure exerting constant downward pressure upon said spikes, whereby the latter are held against upward loosening movement relative to the tie and are urged constantly downwardly into more secure engagement with the tie in harmony with any appreciable amount of downward wear of the tie-plate into the tie.

2,457,593

DETACHABLE CONNECTION FOR ELECTRIC CABLES

John W. Nelson, Wickliffe, Ohio

Application November 8, 1944, Serial No. 562,431

5 Claims. (Cl. 287—76)

1. In an electrical circuit, the combination of a pair of terminal devices provided with electrical contact elements adapted to be detachably connected together, each of said elements having a contact face for intimate engagement with the complemental face of the other element when so connected, one of the elements having a slot extending to and opening at one side of such element, and the other element being provided with an aperture registrable with a portion of said slot, an axially slidable pin mounted in said aperture and arranged to be entered into said slot when the elements are to be connected together,



a collar mounted on each end of said pin, and a spring disposed between one of said collars and the apertured element and yieldably urging the pin endwise in one direction to engage the other collar with the slotted element and pressurally maintain intimate electrical contact between said complemental faces of the elements when they are connected, the pin being movable in the opposite direction against the action of the spring to disengage said other collar from the slotted element when the connection is to be broken.

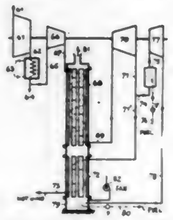
2,457,594

TURBINE COMPRESSOR PLANT

Frederick Nettel, Manhasset, and Johann Kreitner, New York, N. Y.

Application May 14, 1942, Serial No. 443,000

9 Claims. (Cl. 263—19)



1. In the method of producing wind for metallurgical furnaces or similar consumers in air turbine driven blowers, the steps of compressing more air than required for the furnace to a pressure substantially higher than the required wind pressure, drying it by cooling it at said higher pressure, compressing it thereafter to a still higher pressure, energizing it by heating it at said highest pressure, expanding it in power producing expansion means to the required wind pressure, branching off the required wind quantity into wind heating means, and expanding the remainder in power producing expansion means to atmospheric pressure.

2,457,595

GAS TURBINE CONTROL

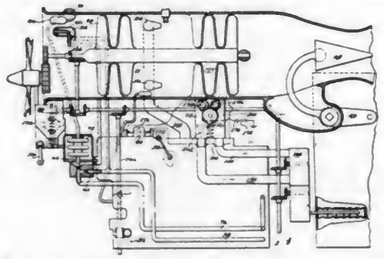
Andrew William Orr, Jr., Detroit, Mich., assignor to George M. Holley and Earl Holley

Application July 22, 1946, Serial No. 685,520

18 Claims. (Cl. 170—135.71)

1. A temperature control device for an air compressor connected to a gas turbine having a combustion chamber between the compressor and the turbine, comprising a fuel entrance to said control device, a fuel exit, a fuel restriction therebetween, a bypass around said fuel restriction, a second fuel restriction located in said bypass, a fuel diaphragm responsive to the drop in pressure

at said second restriction, an air entrance to said air compressor, differential pressure means in said air entrance responsive to the air flow, an air diaphragm responsive to said air differential pressure, a third fuel restriction in series with said second fuel restriction, a valve in said third fuel restriction, means connecting said valve to both of said diaphragms so that an increase in



air flow tends to open said valve and an increase in fuel flow tends to close said valve, means responsive to the temperature of the compressed air entering said combustion chamber to vary the inlet temperature of said gas turbine, additional means responsive to the position of said valve to jointly control with the first mentioned means the inlet temperature of said gas turbine.

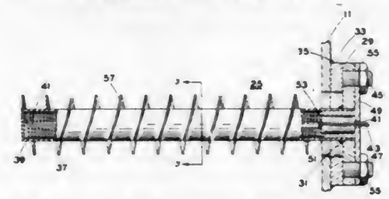
2,457,596

WATER HEATER

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application November 19, 1946, Serial No. 710,774

2 Claims. (Cl. 219—39)



1. An electric water heater adapted for insertion into a hot water tank comprising a round, tubular, metallic casing having a closed inner end and consisting of a metal having high heat conductivity, a relatively thin metallic liner of high heat conductivity in said casing, a helically wound-on-edge metallic resistance strip adapted to expand its helix when in its operative position inside said liner and casing to hold said liner in close engagement with the inside surface of said casing and a metallic fin secured to the outside surface of said casing and extending helically therealong, said fin consisting of metal of high heat conductivity, said resistance strip and said liner having thereon an integral, inorganic, heat-conducting, high-temperature-resisting and electric-insulating coating.

2,457,597

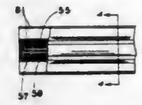
WATER HEATER

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application November 19, 1946, Serial No. 710,775

1 Claim. (Cl. 219—39)

An electric water heater for insertion into a hot water tank, comprising a relatively thin, round, tubular, metallic casing having closed inner end, a thin metal liner covering substantially all of the inner surface of said casing, a metallic resistor strip helically wound on edge in said casing and inherently expanded to hold said liner in tight engagement with said casing and a



heat-transmitting sheath on said casing forming with the external surface of said casing a series of longitudinal spaces, the inner surface of said casing, the entire surface of said liner and of said resistor strip having thereon an integral, inorganic, heat-conducting, high-temperature-resisting and electric-insulating coating.

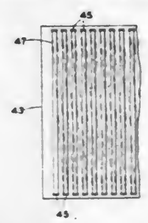
2,457,598

ELECTRIC AIR HEATER

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application December 19, 1946, Serial No. 717,273

1 Claim. (Cl. 219—38)



An electric air heater comprising a casing, a relatively thin sheet of metal supported in a substantially vertical position in and by said casing, a plurality of horizontally alined openings adjacent the upper and the lower edges of said sheet of metal and a metallic resistance conductor wound helically through said openings, said sheet of metal and said resistance conductor having on their entire outer surface an integral, inorganic, heat-conducting, high-temperature-resisting and electric-insulating coating.

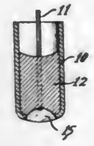
2,457,599

METHOD OF CLOSING TUBE ENDS BY DIPPING IN MOLTEN SOLDER

Leopold Pessel, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application October 27, 1944, Serial No. 560,725

5 Claims. (Cl. 113—112)



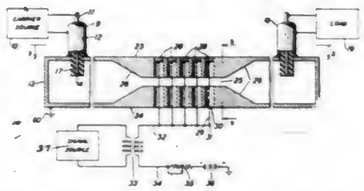
2. The method of closing the end of a tubular body, comprising dipping an end of the body in molten solder to form a concave depression, cooling the dipped end, again dipping the end in molten solder to transform the concave depression into a globular projection, and finally dip-

ping the projection end in a pool of oil on the surface of the molten solder, the temperature of said oil being higher than the melting point of said solder.

2,457,600
LINOLEUM SURFACE COVERING
Paul O. Powers, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application November 2, 1944, Serial No. 561,636
10 Claims. (Cl. 260—13)

1. A finished wall or similar surface covering of linoleum type suitable for use as consolidated and without maturing or similar treatment comprising a filler and a binder, said binder comprising about 55% to about 80% of a non-matured siccative oil-resin linoleum cement in which the oil is oxidized to a semi-solid gel including from about 65% to about 85% by weight of siccative oil and from about 35% to about 15% by weight of resin; and about 45% to about 20% of a reinforcing agent for said siccative oil-resin cement, said reinforcing agent including about 33% to about 67% of a cellulose ether soluble in said siccative oil-resin cement and selected from the group consisting of methyl cellulose, ethyl cellulose, and benzyl cellulose and from about 67% to about 33% of a hard, high melting point resin soluble in said siccative oil-resin cement and having a melting point between about 100° C. and 160° C.

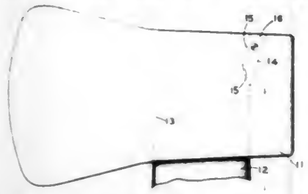
2,457,601
WAVE TRANSLATING APPARATUS
Douglas H. Ring, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 27, 1945, Serial No. 607,429
14 Claims. (Cl. 179—171.5)



1. A microwave translating apparatus comprising, in combination, a section of guide for the transmission of microwaves, a plurality of variable impedance elements, means for individually coupling said elements different distances from an antinodal region of maximum field intensity at respective successive points along said section of guide, and electrical circuit means for varying the impedance of said elements concurrently.

2,457,602
HEADLOCK WEDGE
Reginald W. Rodgers, Winnipeg, Manitoba, Canada
Application February 15, 1946, Serial No. 647,665
2 Claims. (Cl. 306—33)

1. A hand implement comprising a head member, a bore in said head member, a handle member having an upper portion adapted to be received in said bore, the upper rear wall of said bore being upwardly and rearwardly inclined from a point intermediate the inner and outer ends of the bore to the outer end thereof, the rear surface of said handle member adjacent said upper rear wall being formed with an undercut recess extending from a point below the outer end of the handle substantially corresponding to the point intermediate the inner and outer ends of the bore to the outer end of the handle and

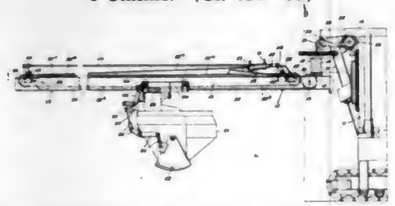


having a substantially straight upwardly and rearwardly inclined upper portion and a curved lower portion, a wedge member lockingly fitted in the space defined by said undercut recess and said inclined bore wall portion, and a fastener member passing through said head member and engaging said wedge member.

2,457,603
POLYVINYL BORONATES AND METHODS FOR PRODUCING SAME
Paul L. Salzberg and Frank K. Signaigo, Brandywine Hundred, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 28, 1945, Serial No. 585,396
9 Claims. (Cl. 260—85)

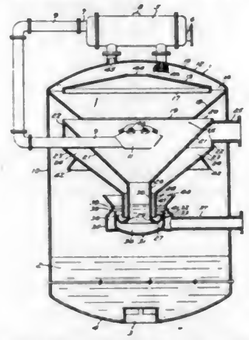
1. A polyvinyl ester of an organo-boronic acid having the general formula $RB(OH)_2$, in which R is an organic radical joined to the boron atom through a carbon atom and is a member selected from the group consisting of an aliphatic hydrocarbon, an aromatic hydrocarbon, and the halogen, hydroxyl, and amino-substituted derivatives of said aliphatic and aromatic hydrocarbons.

2,457,604
MATERIAL DISTRIBUTING APPARATUS
Raymond M. G. Schiro, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 17, 1946, Serial No. 697,411
5 Claims. (Cl. 214—59)



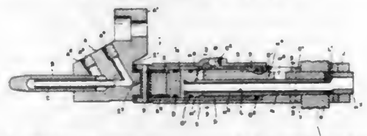
1. In material distributing apparatus of the class described, the combination of a linear trackway; a material receptacle traversably mounted on said trackway and provided with a discharge controlling door; a traverse cable connected to said receptacle for moving it along the trackway; means for driving said cable; guide means carried by the trackway and engaged by the traverse cable to provide a running loop thereof extending along the trackway; connections between a portion of said cable loop and the receptacle door, operable through relative movement between the receptacle and said loop portion to open and close said door; and means for shifting said loop-forming guide means at will to volitionally variable extents, to produce controlled movement of said cable loop portion relative to the receptacle, with correspondingly controlled movement of the door.

2,457,605
FEED-WATER HEATER
Joseph F. Sebald, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application July 14, 1944, Serial No. 544,889
6 Claims. (Cl. 261—115)



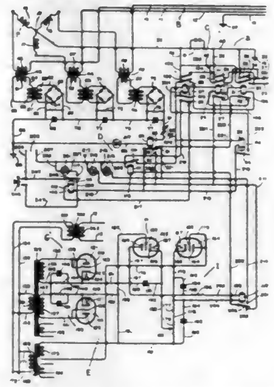
1. In a water heating and deaerating system the method of utilizing high temperature high pressure condensate auxiliary to the main water flow through the heater for augmenting the final heating and deaerating of the feed water, which consists in first primarily heating the water by direct contact with steam, subsequently heating the water by a thorough mixing of the primarily heated water with steam, ejecting the mixed water and steam into a space of relatively low pressure to provide separation of the released gases from the heated water, and introducing the high temperature high pressure auxiliary condensate into the discharging ejecting mixed steam, and water prior to its discharge into the low pressure area.

2,457,606
WELDING GUN
Charles Senn, Detroit, Mich.
Application May 3, 1948, Serial No. 24,742
4 Claims. (Cl. 219—4)



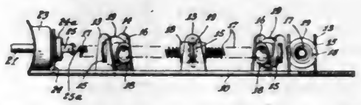
1. A welding gun comprising a head having an electrode secured to and projecting therefrom and a shank projecting oppositely from said electrode, a cylinder secured to said shank and electrically insulated therefrom, the rear end of said cylinder having a bore of slightly smaller diameter, an external casing receiving and fitting said cylinder and having at its rear end a portion with a bore corresponding to the small diameter bore of said cylinder, a member within said cylinder having a piston head fitting the same and a rearwardly extending cylindrical shank fitting the small bore of said cylinder and casing and extending outward through the same being rigidly attached to said casing, said piston shank having longitudinally extending passages therein one extending through said piston head and the other connected to the space surrounding said piston shank, the opposite ends of said passages being adapted for connection with an independent source of fluid pressure, whereby pressure fluid entering the one will move said cylinder outward from said casing and press the electrode against the work while pressure fluid entering the other will retract said cylinder into said casing.

2,457,607
REMOTE CONTROL SYSTEM
Charles E. Seymour, Baraboo, Wis., assignor to Control Corporation, Minneapolis, Minn., a corporation of Minnesota
Application November 8, 1946, Serial No. 708,536
15 Claims. (Cl. 171—97)



2. In a remote control system, operable over a polyphase alternating current line, a transmitter including a resistance connected to said line, said transmitter utilizing a direct current voltage and including a terminal having a positive potential, actuating means responsive to the load on said line and operating when the load on the line exceeds a certain value to connect said terminal to one end of said resistance to procure a shift in the axis of the potential of said line in one direction and when the load falls below a certain value to connect said terminal to the other end of said resistance to shift the axis of the potential of said line in the opposite direction, and a receiver responsive to variations in the shift of the axis of an alternating current voltage and responding in different ways to the shift of the axis in opposite directions, said receiver being connected in said line at a locality remote from said transmitter.

2,457,608
ELECTRIC HEATING ELEMENT
Adolph F. Shafter, Decatur, Ill., assignor to U. S. Manufacturing Corporation, Decatur, Ill., a corporation of Illinois
Application November 9, 1945, Serial No. 627,651
3 Claims. (Cl. 219—19)



3. In a device of the character described, a plate-like metallic member, sets of parallelly ar-

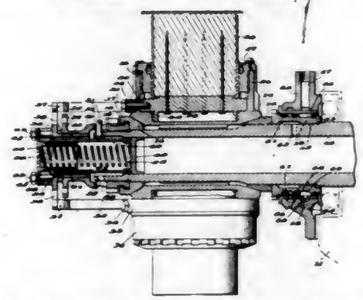
ranged spaced apart flanges upstanding from a face of said member, each of the flanges having a longitudinally extending slot, with the slots of the flanges of each set extending in substantial parallelism with each other and substantially perpendicular to the face of said plate-like member, tubular insulating elements provided with surface projections extending into the slots of the flanges, one such element only being supported between flanges of a set, an electrical heating coil threaded through the tubular elements so supported, and electrical terminals, said heating coil being joined electrically to said terminals.

2,457,609

PITCH CHANGING MECHANISM

George James Smith-Pert and Archibald Graham Forsyth, Cheam, England, assignors to The Fairey Aviation Company Limited, Hayes, England

Application February 8, 1945, Serial No. 576,740
6 Claims. (Cl. 170—160.32)



1. A variable pitch propeller for aircraft and the like comprising, a propeller hub mounted for rotation on a propeller drive shaft, said hub having propeller blade supporting members, propeller blades supported by said members for rotary movement about their longitudinal axes, a segment-shaped counterbalance plate carried by each of said members for rotary movement about said axes, said plates being connected with the propeller blades to turn therewith during pitch changing movement, said plates being disposed in planes parallel to the axis of said propeller drive shaft, a member supported forwardly of said propeller drive shaft for relative rotary movement with respect thereto, said last-mentioned member having arm means provided with a gear portion engaging a gear on a peripheral portion of each of said plates, whereby said plates upon rotation of the hub will move toward the plane of rotation of the blades and effect a pitch change in one direction, and also move said arm means and said last-mentioned member in one direction about the axis of the propeller drive shaft, and hydraulic means for moving said last-mentioned member and arm means in the other direction, whereby said plates are returned to their original position thus effecting a pitch change to the original pitch position.

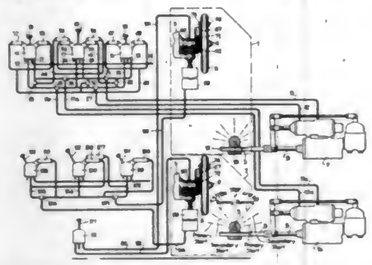
2,457,610

CONTROL APPARATUS FOR PRIME MOVERS

Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 22, 1943, Serial No. 488,040
6 Claims. (Cl. 60—97)

1. In combination, a device adjustable by fluid under pressure, two control means individually operable to provide fluid under pressure for controlling said device, and means operable by fluid



under pressure, provided by one of said control means for controlling said device, to prevent operation of the other control means.

2,457,611

PROCESS FOR THE PREPARATION OF MONOETHENOIC ACIDS AND THEIR ESTERS

Daniel Swern and Waldo C. Ault, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application January 20, 1945, Serial No. 573,798
17 Claims. (Cl. 260—409)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for the preparation of purified oleic acid from a material selected from the class consisting of fats and oils, the fatty acids of which contain saturated acids, oleic acid, and polyunsaturated acids, the latter two in the ratio of at least three to one, respectively, comprising selectively hydrogenating said material to reduce substantially all of said polyunsaturated acids to either saturated or monoethenoic acids without significantly affecting the oleic acid, followed by hydrolyzing the hydrogenated material to form a mixture consisting essentially of saturated and monoethenoic fatty acids, and then separating the saturated acids from the monoethenoic acids by causing the crystallization of the saturated acids as a solid phase from said fatty acid mixture and recovering the monoethenoic acids, which consist essentially of oleic acid, as the liquid phase thereof.

2,457,612

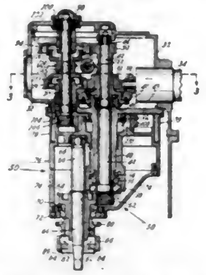
MIXING MACHINE GEARING

Louis F. Thiel, Springfield Gardens, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application October 3, 1944, Serial No. 556,937
7 Claims. (Cl. 74—300)

1. In a mixer, the combination with a head revolubly mounted for rotation about a stationary axis, of a vertical center shaft concentric with the axis of rotation of said head, means for driving said center shaft, a vertical shaft revolubly mounted in said head with its axis eccentric to the axis of rotation of said head, means driven from said center shaft for revolving said eccentric shaft on its own axis, a pair of pinions secured on said center shaft, a vertical jack shaft, a gear fastened on said head, a gear fastened on said jack shaft and meshing with and driving the gear on said head to revolve the head, a pair of gears loosely mounted on said jack shaft and meshing with and driven from the pinions on said center shaft, a clutch member splined on

said jack shaft intermediate the loosely mounted gears on the jack shaft and normally engaged with one of said loosely mounted gears whereby the jack shaft will be driven and the head will be revolved to carry said eccentric vertical shaft in an orbital path, and a device for engaging said



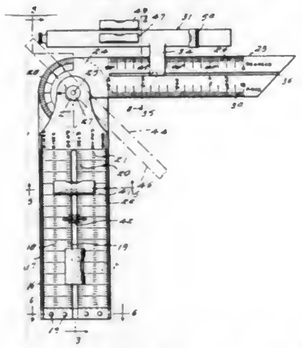
clutch member with the other of said loosely mounted gears on said jack shaft to revolve said head at a different speed and thereby vary the precession ratio of the rotation of the vertical shaft on its own axis relative to the rotation of the head.

2,457,613

COMBINATION BEVEL

William Thomas, Keddie, Calif.

Application February 9, 1945, Serial No. 577,003
1 Claim. (Cl. 33—73)



An instrument of the class described comprising a stock, a tongue pivotally connected thereto and coacting therewith to form a bevel including a protractor, a peep sight carried by the tongue, a spirit level carried by the peep sight, said tongue having a longitudinal groove in one side thereof, disposed parallel to its longitudinal edges and opening outwardly of its free end, and said peep sight having a bracket comprising spaced, substantially parallel arms disposed perpendicular to its axis for engaging opposite sides of the tongue, one of said arms having an inturned free end for close fitting engagement with the groove for detachably mounting the peep sight on the tongue and in parallel relationship thereto.

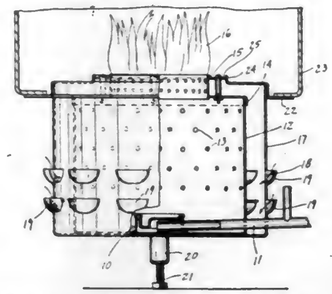
2,457,614

BURNER FOR BROODER STOVES

Donald B. Tolley, Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind., a corporation

Application March 20, 1946, Serial No. 655,725
1 Claim. (Cl. 158—91)

In a burner for a brooder stove including a bowl for receiving in-flowing fuel and having an oil inlet pipe connected thereto, a mixing drum arising from and connected to said bowl provided with a series of air inlet holes in its wall, a centrally apertured top plate extending over said drum to partially enclose the space therein to provide a combustion chamber, a casing surrounding said drum having a vertical wall spaced therefrom, said casing being closed except for a series of air inlet openings substantially greater in area than the inlet holes of said drum, said air inlet openings being provided in the vertical wall of



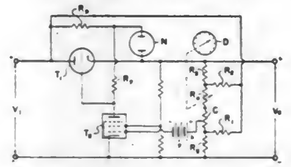
said casing and spaced about the periphery thereof in a substantially uniform pattern and so spaced vertically in relation to said air inlet holes of the drum as to lie below the upper half thereof, and a baffle shield secured to the outer peripheral wall of said casing about each of said air inlet openings closed below and at the sides thereof and open at the top for directing incoming air currents downwardly therethrough into the space between said drum and casing below said air inlet holes.

2,457,615

VOLTAGE STABILIZING CIRCUITS

Adrianus Johannes Heins van der Ven, Bournemouth, Hants, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee

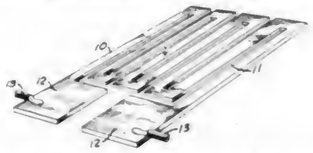
Application December 1, 1944, Serial No. 566,210
In Great Britain July 22, 1943
Section 1. Public Law 690, August 8, 1946
Patent expires July 22, 1963
2 Claims. (Cl. 323—22)



1. An electrical circuit arrangement comprising, input means comprising a positive lead and a negative lead for connecting to a source of voltage subject to variations in value, output means comprising a positive lead and a negative lead for connecting to a load of fluctuating value, a discharge tube having an anode connected to the positive lead of the input means, a cathode connected to the positive lead of the output means and a control electrode, a first fixed value resistance element, a variable value resistance element and a second fixed value resistance element connected in series relationship in the order named with the free ends of the first and second fixed value resistance elements connected across the positive lead and the negative lead of the output means, a potentiometer interposed between

the variable value resistance element and the second fixed value resistance element and being provided with a variable tapping, a third fixed value resistance element interposed between the positive lead of the input means and the junction of the first fixed value resistance element and the variable resistance element, a fourth fixed value resistance element interposed between the positive lead of the input means and the junction of the second fixed value resistance element and the potentiometer, the values of said first, second, third, and fourth fixed value resistance elements being such as to form a bridge circuit, a thermionic tube having a cathode connected to the negative lead of the output means, an anode connected to said control electrode and a control grid connected to said variable tapping, a resistance element interposed between the anode of the thermionic tube and a positive voltage point having a substantially constant value relative to the voltage of the positive lead of the output means, and means interposed between the control grid and the cathode of said thermionic tube for applying a biassing potential to said control grid, said variable value resistance element being calibrated in volts output and being adjustable to vary the voltage at said output means, and said potentiometer being adjustable for varying the calibration of said variable value resistance element.

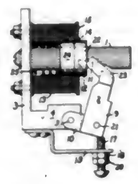
2,457,616
METAL FOIL TYPE STRAIN GAUGE AND METHOD OF MAKING SAME
William D. Van Dyke, Tarzana, and Paul A. Dennis, Manhattan Beach, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application July 16, 1946, Serial No. 683,813
15 Claims. (Cl. 201—63)



1. An instrument of the type described comprising: a thin zigzag strip of material whose electrical resistance varies in accordance with changes of strain therein; lead wires electrically connected to the opposite ends of said strip; and an insulating sheath of thermoplastic material completely encasing said strip.

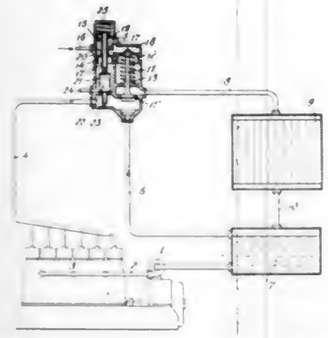
2,457,617
TIME ELEMENT ELECTROMAGNETIC DEVICE
Ludwig S. Walle, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application February 4, 1947, Serial No. 726,366
9 Claims. (Cl. 175—372)

1. In an electromagnetic device, a magnetic circuit having cooperating stationary and movable magnetic members, a winding for magnetizing said circuit when energized by an oscillating current above a predetermined magnitude to tend to effect movement of the movable member toward the stationary member, a short circuited winding of positive temperature coefficient of resistivity material movably mounted in inductive repulsion relation with said winding and having connections for exerting on said movable member an opposing force greater than the magnetic attractive force thereon to prevent movement of the member toward said stationary member until the heating action of the current induced in the



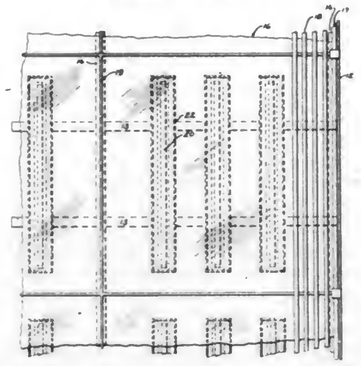
short circuited winding increases the resistance thereof sufficiently to reverse the predominance of said forces.

2,457,618
TEMPERATURE REGULATED COOLING CIRCUIT
Fritz Wiesendanger, Winterthur, Switzerland, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland
Application October 17, 1944, Serial No. 559,080
In Switzerland February 8, 1944
7 Claims. (Cl. 123—178)



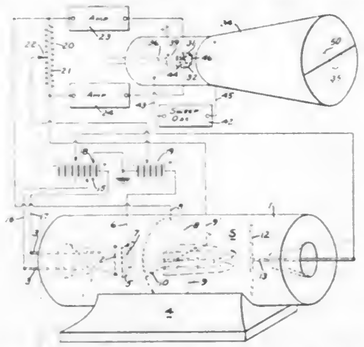
7. As a sub-combination, a device including a flow-through chamber having at least three flow passages thereinto, valve means for closing alternatively one or the other of a pair of said passages, and a hydraulic servomotor assembly controlling said valve means, said assembly including a source of fluid under pressure, a pressure fluid discharge, a single-action, spring-loaded piston connected to said valve means to close one of said pair of passages under influence of fluid under pressure and the other, under influence of the spring-loading, and means to control the fluid pressure action on said piston that include an expansion body responsive to temperature in said chamber and a two-part valve to control the passage of fluid to and from said piston from and to said pressure source and said discharge, respectively, the first part of said two-part valve being in contact with said expansion body and the second part having a travel limited by contact with stop portions of the first part, said control means being so arranged that, when a movement of the first part causes a control edge of the second part partially to connect said piston to either said pressure source or said discharge, said second part moves immediately the full distance of its travel relative to said first part, thus rapidly freeing the whole cross-sectional area of flow from and to said source or discharge, respectively.

2,457,619
ICE SKATING RINK
Reuben J. Yocum, Omaha, Nebr.
Application October 31, 1947, Serial No. 783,359
15 Claims. (Cl. 62—12)



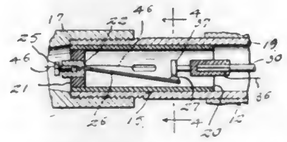
5. An illuminated ice-skating rink comprising, a floor of light transmitting material, means providing a light transmitting ice-skating surface on said floor, boundary walls extending upwardly of said floor for retaining said ice-skating surface, a light source for illuminating said rink disposed below said ice-skating surface and arranged to direct illuminating beams upwardly through said ice-skating surface and light transmitting refrigerating means for said ice-skating surface, said refrigerating means comprising headers and interconnecting tubes of light transmitting material containing a non-opaque fluid medium disposed between the light source and ice-skating surface.

2,457,620
MEANS AND METHOD OF INDICATING ACCELERATION
Charles R. Abraham, San Francisco, Calif.
Application June 26, 1942, Serial No. 448,697
2 Claims. (Cl. 175—183)



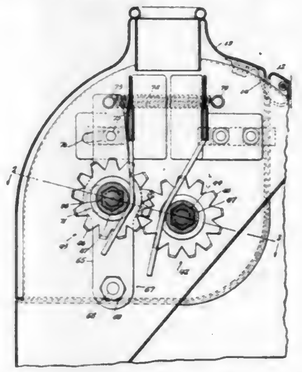
1. In combination, an acceleration responsive device comprising an envelope including a source of electrons, anode means for projecting a beam of electrons into space, means for retarding said electrons in said space, collecting anodes symmetrically disposed with respect to the path of said beam and extending normally to said path, said collecting anodes having adjacent spaced edges, means for energizing said collector anodes to substantially the same positive potential to collect beam electrons in substantially equal amounts when said source of electrons is at rest, and in unequal amounts when said source is accelerated in a direction normal to both said beam path and said collector anode edges; and apparatus having movement; said acceleration-responsive device being affixed to said apparatus with both said beam path and said adjacent spaced edges of said anodes disposed substantially normal to the direction of such acceleration.

2,457,621
THERMOSTATIC ELECTRICALLY HEATED COMB
Paul Aeres, New York, N. Y.
Application August 5, 1946, Serial No. 688,545
1 Claim. (Cl. 219—21)



An electrically heated comb comprising a comb, a handle for said comb having a longitudinal bore extending therethrough, a heating element in said comb, and a heating element temperature control including a bi-metallic element connected at one end thereof in the circuit of said heating element and having a contact point on the other end thereof, a block fixed in said handle bore, a control rod in said bore threadably engaging and extending through said block, a second contact consisting of a spiral cam fixed on the inner end of said control rod adjacent to said first contact, and stops carried by said control rod and adapted to engage said block for limiting the rotation of said spiral cam whereby rotation of said control rod and said cam controls the separation of said contacts upon deflection of said bi-metallic element thereby selectively controlling the temperature of said heating element and said comb.

2,457,622
MEAT TENDERING MACHINE
Arthur H. Ahrndt, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application September 9, 1944, Serial No. 553,330
1 Claim. (Cl. 17—26)

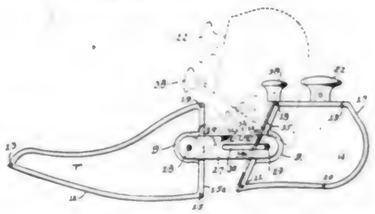


In a meat tendering machine having a base and a movable element, a plurality of rotatable

knife assemblies, one of which is mounted upon said base, and another upon said movable element, a drive pulley rotatably mounted upon the base of the machine, a pinion mounted upon the base of the machine for rotation with said drive pulley and operatively related to said one of the knife assemblies, a driven gear mounted upon said movable element and operatively related to the other knife assembly for engagement with said pinion, a second pinion mounted upon said movable element for rotation with said driven gear, and a second driven gear mounted upon the base of the machine and operatively related to said one of the knife assemblies and adapted to engage said second mentioned pinion, said pinions being disengaged from their respective driven gears whenever the meat tendering machine is overloaded

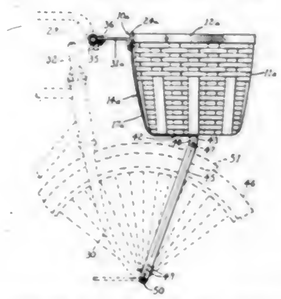
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2,457,623
SHOE TREE
George Albino, Waterbury, Conn.
Application June 17, 1946, Serial No. 677,184
9 Claims. (Cl. 12—128.6)



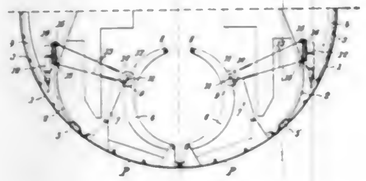
1. In a shoe tree, a hollow toe part, a hollow heel part, a link pivotally connected to each of said parts by means of pivot pins embedded in the material of said toe and heel parts, said link having a plurality of notches in its upper surface, and an upstanding locking member slidable in the forward face of said heel part for engaging selectively in any one of said notches according to the fit of the shoe.

2,457,624
BICYCLE BASKET
Vytant Aleks, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass., a corporation of Massachusetts
Original application October 23, 1942, Serial No. 463,102. Divided and this application July 28, 1947, Serial No. 764,188
7 Claims. (Cl. 224—36)



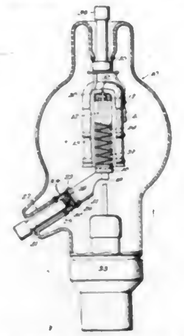
7. A bicycle basket support, comprising an inverted generally U-shaped bracket made from three pieces of narrow sheet metal strip material, namely, two laterally spaced upright members and a cross-member secured to the upright members spaced downwardly from their upper ends, the upper end portions of said upright members above the cross-member defining two fixedly spaced attaching lugs in substantially vertical coplanar relation for connection with a bicycle basket, substantially horizontal elongated sheet metal arms having substantially vertically bent front end portions connected to the cross-member, said arms extending rearwardly from the cross-member and having means on the rear ends thereof for detachably fastening the same to a bicycle handle bar, said arms being formed to channel-shaped cross-section between the front and rear ends for added strength and rigidity, means connected with the lower ends of the upright members for detachably fastening the same in rigid relation to the legs of a bicycle front fork, and a fastener clip secured on the upper rim portion of a basket and formed to receive the aforesaid attaching lugs for demountably supporting a bicycle basket on said bracket, the cross-member serving to limit downward movement of the fastener clip on said attaching lugs, whereby to support the basket to which the clip is secured.

2,457,625
CONTROLLING MEANS, ESPECIALLY FOR DOORS
Felix Amiot, Neuilly-sur-Seine, France
Application August 5, 1939, Serial No. 288,680
In France January 19, 1939
Section 3, Public Law 690, August 8, 1946
Patent expires January 19, 1959
7 Claims. (Cl. 244—129)



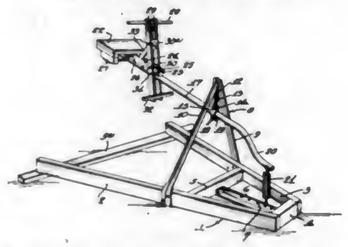
1. In an airplane or the like fuselage having an opening through the wall thereof and a door lying flush with the outer side of the wall of said fuselage, means supporting said door in said opening comprising a rotatable member mounted in said fuselage to rotate about a first axis, a link member pivoted at one end to said rotatable member for rotation about a second axis spaced from said first axis, the other end of said link member being pivoted to one portion of said door, one of said members engaging the other upon predetermined relative rotation in one direction providing a stop to prevent further relative rotation in said one direction, arm means pivoted to said fuselage and to another portion of said door, and means for rotating said rotatable member whereby, upon relative rotation between said rotatable member and said link means, to move at least one portion of said door inwardly to clear the sides of said opening and whereby when said stop prevents said relative rotation, to swing said arm about the pivot of said arm to move said door laterally from said opening.

2,457,626
GRID CONSTRUCTION
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application July 3, 1945, Serial No. 603,031
5 Claims. (Cl. 250—27.5)



1. An inert grid comprising a foraminous screen of beryllium.

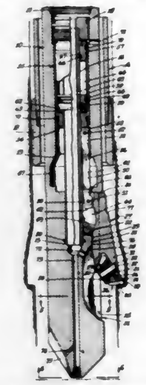
2,457,627
SWINGING SEESAW
Emmett C. Bailey, Washington, D. C.
Application January 10, 1944, Serial No. 517,694
12 Claims. (Cl. 272—55)



1. A seesaw comprising a support, elongated seat-carrying means, and a plurality of spaced connecting means between said support and said first-named means permitting lateral movement of said seat-carrying means about an axis located between two of said connecting means and extending in the same general direction thereof, one of said means providing inherent resilience for counter-balancing the weight of a rider carried by said first-named means.

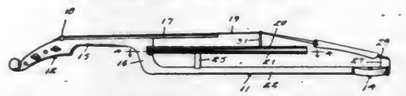
2,457,628
UNDERREAMER
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application June 17, 1942, Serial No. 447,392
4 Claims. (Cl. 255—76)

1. A rotary underreamer for operation in a well bore, including a body adapted for connection to a tubular drilling string, a supporting member movable axially along said body, said supporting member having an upwardly extending arm, a cutter on the lower end of said supporting member, a projection on said body cooperable with said supporting member between said cutter and arm, means connected to said supporting member for moving it upwardly along an expander surface on said projection to cause said projection to force said cutter laterally outwardly of said body, a first coacting means on said projection above said expander surface having a surface substantially parallel to said body axis and engageable with said supporting member for holding said cutter in such outward position, a second means on said body engageable with said arm for limiting the



extent of lateral outward movement of said cutter, a third means on said body engageable with said supporting member at the base of said arm to limit the extent of upward movement of said supporting member on said body, said first, second and third means being engageable simultaneously with said supporting member and its arm to hold said cutter in its outward position and prevent its inadvertent inward movement.

2,457,629
FIDDLE
Joseph R. Beckman, Stockton, Calif.
Application May 10, 1948, Serial No. 26,200
4 Claims. (Cl. 84—275)

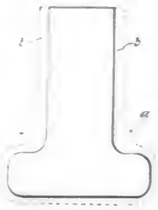


1. An improved musical instrument of the kind described comprising an elongated base member, a violin scroll on the front end of said base member, a pair of overlying sound boards extending from said scroll spaced above said base member, a finger board on said scroll spaced above said sound boards, a bridge on the uppermost sound board, and an elongated triangular wedge member between said sound boards spacing the rear end of said sound boards in spaced relation one to the other, and a supporting block between said base member and the forward end of said sound boards.

2,457,630
METHOD OF MANUFACTURING FULLED OR HARDENED FELT ARTICLES SUCH AS FELT BOOTS OR FOOTWEAR
Geoffrey Harley Beetson, Hudcar Mills, Bury, England, assignor to The Bury Felt Manufacturing Company Limited, Bury, England
Application October 16, 1945, Serial No. 622,547
In Great Britain March 26, 1945
1 Claim. (Cl. 12—142)

The method of manufacturing felt boots which consists in providing a batt of fibrous material

having a partially hardened shaped area forming a leg portion and half foot portions extending from opposite sides of the leg portion at one end thereof with an unhardened margin around said portions, folding said leg portion into cylindrical form with its unhardened longitudinal margins overlapping each other at the front and thereby



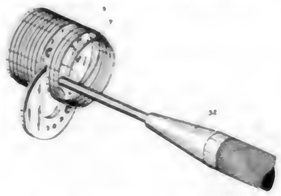
bringing the foot portions into parallel disposition at one end of said cylindrical leg portion with the complementary unhardened margins of said foot portions also overlapping, and subjecting the overlapping edges of the leg and foot portions to the action of a felting machine, thereby to cause said overlapped margins to be felted together.

2,457,631

CYLINDRICAL HAIRSPRING FORM

William Ogle Bennett, Jr., Lancaster Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.

Application September 22, 1943, Serial No. 503,398
3 Claims. (Cl. 263—2)



1. A form for holding cylindrical hairsprings with preformed inturned ends during heat treatment comprising an arbor, a series of discs consisting of inner discs and end discs, said inner disc being substantially identical and said end disc being formed to receive the ends of the spring in a predetermined configuration, discs being adapted to be placed upon the arbor, means for aligning said discs in predetermined position, a spiral guideway formed by the periphery of said discs to receive a wire and means for anchoring the inturned ends of said wire at each end of the assembled discs.

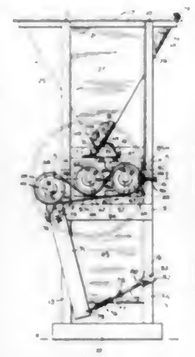
2,457,632

BELT DRIVEN ROLLER MILL WITH ADJUSTABLY AND YIELDABLY MOUNTED ROLLER

William P. Blake, Fairmont, Okla., assignor to K & B Manufacturing Co., Fairmont, Okla.

Application June 25, 1946, Serial No. 679,202
2 Claims. (Cl. 241—230)

2. In a device as described, a frame, a pair of oppositely arranged slide blocks guided therein, a shaft having its ends journalled in said slide blocks, a second shaft having its ends fixedly journalled in said frame, a driving pulley made fast on the latter shaft at one end, rollers on said shafts, a rocker arm pivoted adjacent its upper end to said frame, a second pulley journalled at the upper end of the rocker arm, pulleys made fast on the shafts and in line with the rocker arm pulley, a belt trained around the second pulley, around the pulley of the shaft on the slidable blocks and bowed into engagement with the under side of the remaining pulley, a spring having one end fixedly mounted on said frame, and the other connected to the lower



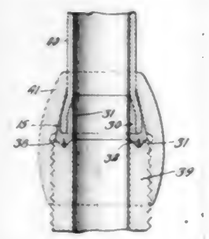
end of said rocker arm for tilting said rocker arm to slide the slide blocks to positions in which the two shafts approach each other, and expansible means between the ends of the shafts for engaging said slide blocks and moving them in a counterdirection and for tilting said rocker arm in a counterdirection to tension said rocker arm spring.

2,457,633

SEALING DEVICE

Gustave A. Borg, Naugatuck, Conn.

Application February 21, 1946, Serial No. 649,168
7 Claims. (Cl. 285—86)



1. A sealing device of the kind described for tubing or the like comprising a body having an axially tapering end section adapted for insertion into an end of a tubing to outwardly flare the same and to receive the outwardly flared end of said tubing under radial tension, sealing means at the other end of said body cooperating with an associate coupling element to effect a seal therewith, a relatively thin outer clamping member extending toward said first end of said body and in external surface engagement with the outwardly flared end of said tubing and cooperating therewith to develop a clamping force on said tubing, and a clamping sleeve adapted for connection with said associate element and having an internal camming surface cooperating with the outer surface of said clamping member to force the latter inwardly against the outwardly flared tubing.

2,457,634

BREAKING EMULSIONS

Donald C. Bond, Northbrook, and Michael Savoy, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application October 8, 1945, Serial No. 621,176
5 Claims. (Cl. 252—338)

1. The method of breaking water-in-oil emulsions comprising, mixing said emulsions with a small amount of an agent which is a non-resinous reaction product of a mineral acid and an oil formed by reacting at ambient temperature in the presence of a small amount of water substantially equimolar amounts of a secondary aliphatic amine free from acidic groups, an alkylated phenol free from acidic groups, and selected from the group consisting of those having an active position ortho to a nuclear hydroxy group and those having an active position para to a nuclear hydroxy group, and an aldehyde.

2,457,635

METHOD OF REGENERATING AQUEOUS ALKALI SOLUTION USED TO EXTRACT WEAKLY ACIDIC SULFUR COMPOUNDS FROM HYDROCARBON FLUIDS

Donald C. Bond, Northbrook, and Michael Savoy, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application October 10, 1945, Serial No. 621,590
17 Claims. (Cl. 196—30)

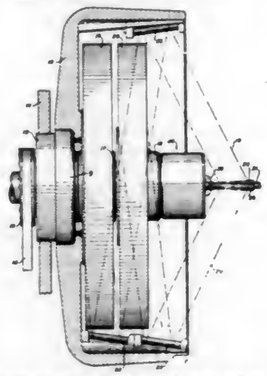
5. The method of regenerating aqueous alkali solution used to extract weakly acidic sulfur compounds from hydrocarbon fluids under non-oxidizing conditions comprising contacting said solution with gas containing free oxygen in the presence of from 0.1 to 3 per cent by weight of an added phenolic substance which is less effective than hydroquinone as an oxidation catalyst in the reaction and has an oxidation potential higher than that of the sulfur compounds, and from .0001 to 1 per cent by weight of a salt of metal selected from the group consisting of copper, nickel, cobalt and iron, the metal salt being soluble in the alkali solution and being present in an amount equal to a small fraction of the amount of the phenolic substance.

2,457,636

MATERIAL SERVING APPARATUS

Yves A. Bouget, West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 31, 1947, Serial No. 794,966
11 Claims. (Cl. 57—16)



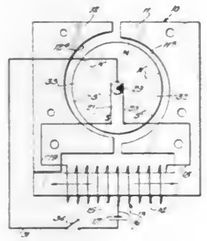
1. In a material serving apparatus rotatable about a core, advancing longitudinally at a given rate of speed, to wind materials simultaneously in superimposed spiral layers on the core, a rotatable hollow spindle through which the core travels, supports carried thereby for supplies of materials fed to the core, fingers disposed adjacent the path of the core to guide their respective materials to the core, rockable supports for the guide fingers normally holding the fingers at given angular positions with respect to the path of the core to cause application of each material under a given tension at a given angular position on the core, and means responsive to variations in the tensions of the materials from the given tension to rock the supports to vary the angles of application of the materials to the core to cause uniform lay of the materials on the core.

2,457,637

ELECTRICAL MOTOR

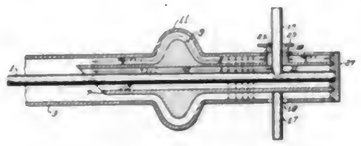
Harrison D. Brailsford, Harrison, N. Y.

Application August 17, 1945, Serial No. 611,066
7 Claims. (Cl. 172—36)



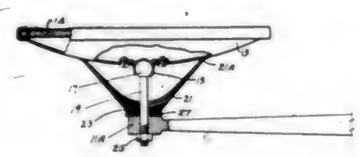
6. A self-starting direct current electric motor comprising upper and lower frame plates, means supporting the plates in spaced relation, an armature comprising a disc shaped rotor disposed between said plates and having a shaft journalled at the ends in said plates, a field comprising a magnetic core supported between said plates in the plane of said rotor and provided with a pair of field poles having faces of arcuate form substantially surrounding the periphery of said rotor and terminating in end portions arranged in juxtaposed pairs at diametrically opposed portions of said faces, one end portion of each pole face being disposed closer to the periphery of the rotor than the other end portion of the respective pairs to provide a shortened magnetic path between the pole faces diametrically of the rotor, a pair of brush contacts electrically connected to said winding, contact means on said rotor shaft aranged to effect alternate contact with said brush contacts during the rotation of the rotor for altering the direction of current flow in said winding from a current source, a switch for effecting the starting and stopping of the motor, and diametrically opposite permanent poles of opposite sign provided in said rotor whereby upon opening said switch said rotor poles exert rotative effects by magnetic attraction with respect to adjacent pole faces for moving the motor to a position of rest wherein said rotor poles are aligned within said shortened magnetic path and whereby upon reclosing of said switch each pair of said end portions of the field poles cooperate to provide both attractive and repelling forces that act on the adjacent rotor poles in one rotative direction for starting the rotor.

2,457,638
PHASE SPLITTING COUPLING FOR COAXIAL TRANSMISSION LINES
Rene A. Braden, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 27, 1946, Serial No. 699,682
9 Claims. (Cl. 250—33)



8. A network for coupling a source of high frequency energy through a transmission line having coaxial inner and outer conductors to a pair of dipoles including a portion of said outer line conductor having a larger diameter than the remainder thereof, an intermediate tubular conductor interposed between said inner and outer conductors, said intermediate conductor also having a portion having a larger diameter than the remainder thereof, said larger diameter portions of said outer and intermediate conductors being aligned to provide with said inner and outer conductors two concentric lines differing in length by substantially an odd number of one-half wavelengths in the line at the operating frequency, means for connecting said dipoles respectively to said inner and intermediate conductors at points an odd number of quarter wavelengths from the ends thereof remote from said source, means conductively terminating and supporting the ends of all of said conductors remote from said source whereby said load is effectively balanced with respect to said outer line conductor, and means comprising a cylindrical sleeve and an annular ring coaxial with one of said dipoles and connected to said intermediate conductor for shielding said last-mentioned dipole from wave energy propagated between said intermediate and outer line conductors.

2,457,639
MOUNTING FOR REAR-VISION MIRRORS
Harry G. Brooks, Byhalia, Miss.
Application March 13, 1945, Serial No. 582,463
1 Claim. (Cl. 88—98)



The combination with a rear view mirror as for a vehicle, said mirror including a housing having a spherically arcuate back; a rigid carrying member, a post secured to and extending from said member, ball and socket means coupling the back of said housing to the extending end of said post, a hollow resilient cup as of rubber, said cup having a heavy base portion, flattened to seat against said member and apertured to tightly embrace said post, said cup thinning gradually from said base to a flexible rim portion having a feather edge, and being interposed between said carrying member and said housing with the rim of said cup shiftably seated in contact with the back of said housing, said contact being spaced outwardly from said ball and socket means, said spacing being in excess of the diameter of said socket, whereby said mirror may be manually shifted into desired angular position with relation to said member and post, and twisted with relation to the rim portion of said cup to shift said mirror back with relation to said cup and adjust said back and said cup into related holding positions maintaining said angular position.

2,457,640
HYDROXYCARBOXYLIC ACID
Herman A. Bruson, Rydal, and Warren D. Niederhauser, Philadelphia, Pa., assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 9, 1945, Serial No. 627,776
3 Claims. (Cl. 260—407)

3. A compound of the formula

$$HO[CH_2{-}R(C_4H_8){-}(CH_2)_9COO]_nH$$

wherein n is an integer from one to one hundred. R representing a six-sided carbocycle of the formula C_6H_8.

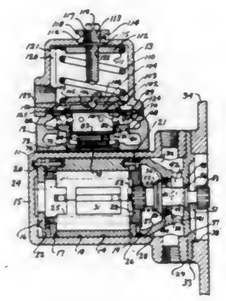
2,457,641
WAX TREATMENT OF UNCURED RUBBER GOODS
Fred H. Bunn, Westfield, N. J., assignor to S. C. Johnson & Son, Inc., Racine, Wis.,
No Drawing. Application November 1, 1946, Serial No. 707,345
6 Claims. (Cl. 18—53)

1. A method of treating rubber goods preformed from sheet rubber comprising coating the rubber goods prior to curing with an aqueous wax emulsion and then heating said rubber goods by direct contact of a fluid medium at a temperature within the range from about 230° F. to about 275° F. until said rubber goods are cured.

2,457,642
METHOD OF TREATING LACTALBUMIN
George P. Butterfield, Des Plaines, and Lois A. Thorne, Chicago, Ill., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 8, 1946, Serial No. 660,424
2 Claims. (Cl. 99—19)

1. The method of treating lactalbumin to condition the same to form a colloidal suspension, which comprises making a finely divided mixture of lactalbumin and water, raising the pH value to from 7.3 to 8.0, adding a proteolytic enzyme material selected from the group consisting of pancreatic enzymes and papain while maintaining a temperature of about 100° F. and increasing the temperature to a value to inactivate the enzymes in a time of from 1 minute to 20 minutes, depending upon the strength and proportion of the enzyme material to allow the active material to break down the bonds of the protein molecules and render the same colloidal, but before substantial digestion of the proteins has occurred, and drying the material to form a dry powder which may be kept for long periods of time and which can be reconstituted in a colloidal suspension by the addition of water thereto.

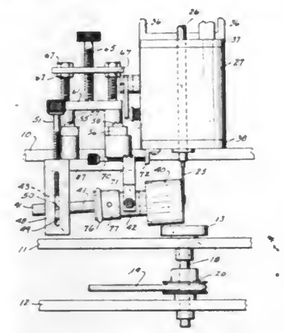
2,457,643
ROTARY PUMP AND PACKING THEREFOR
Michele Caserta, Detroit, Mich.
Original application June 12, 1941, Serial No. 397,763. Divided and this application March 24, 1943, Serial No. 480,278
6 Claims. (Cl. 103—138)



1. In a fluid transfer mechanism including a pump housing providing a cylindrical bore closed at one end and open at the other end, a thrust bearing in said bore adjacent said closed end, a pair of spaced journal bearings, a pump liner positioned between said journal bearings, a rotor journaled in said journal bearings for rotation within said liner and having at one end a driving connection, a shaft cooperating with said connection for driving said rotor and provided with a fixed peripheral flange, and a spring surrounding said shaft and compressively confined between said rotor and said flange, the improvement which comprises providing an attaching flange at the open end of said housing, a gland having an outer peripheral flange adapted to overlie the face of said attaching flange and to be secured thereto, said gland having an intermediate restricted portion providing an annular shoulder and having an inwardly extending annular portion slidably fitting said cylindrical bore and terminating adjacent the outer of said bearings, a resilient packing held under compression by said gland annular portion against said outer bearing and the bore wall, a seal ring between said shaft flange and said annular shoulder on said gland, and a mounting flange for said pump secured to said attaching flange with said gland flange clamped therebetween.

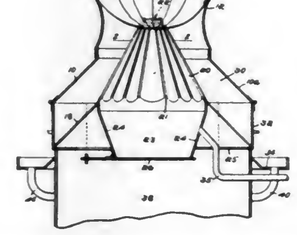
2,457,644
NEEDLE GRINDER
Fred Crossman and Earl A. Southam, Cleveland, and George J. Ruhl, Shaker Heights, Ohio, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio, a corporation of Ohio
Application January 29, 1945, Serial No. 575,047
5 Claims. (Cl. 51—241)

1. A device of the character described, comprising a grinding member, a shaft therefor, means for pivotally mounting the shaft while permitting rotation thereof so as to vary the angle of the grinding member with respect to the work, other means including parallel links for supporting the first-mentioned means to effect a movement of the grinding member toward and from the work, and second-named means including a device for shifting the first-mentioned



means and the grinding member as a unit with reference to the work.

2,457,645
FRUIT SECTIONIZER
William Warren Cummings, Bradford, Vt.
Application July 3, 1947, Serial No. 758,797
11 Claims. (Cl. 146—3)

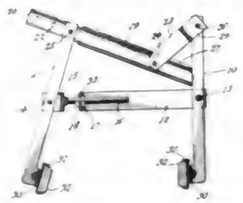


1. A citrus fruit sectionizer comprising a bowl member having a circular collar at the top thereof adapted to receive the peeled fruit, to be arranged thereon with its segmental axis extending vertically, said bowl being sealed by the fruit when supported on said collar, a series of radial scoops corresponding to said fruit segments mounted beneath said collar for stripping the fruit from its membrane, and pumping means for exhausting the air from said bowl member to cause said fruit to pass through said bowl and against said radial scoops.

2,457,646
LIFTING TONGS
Anthony Wilmot Dalferes, Lafayette, La.
Application May 16, 1946, Serial No. 670,165
2 Claims. (Cl. 294—106)

1. A lifting tongs comprising a pair of legs having jaws at one end, a bar connecting intermediate portions of the legs, a fulcrum on the bar on which one leg is pivoted, and a toggle lever comprising a tubular handle member having a slot at one end of its upper portion and a stop below the slot, said tubular member pivoted

to one leg, and an inferior toggle member pivoted to the other leg and to the tubular member with-



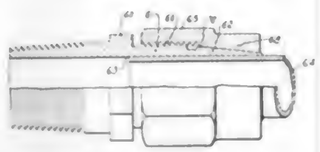
in said slot and adapted to encounter said stop in the locked position of the toggle lever.

2,457,647
METHOD OF MAKING RUBBER ARTICULATED JOINTS
Howard M. Dodge, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application August 3, 1942, Serial No. 453,355. Divided and this application March 3, 1945, Serial No. 580,878
1 Claim. (Cl. 29—148.2)



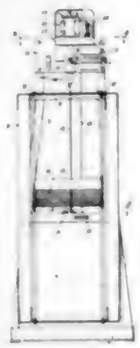
In a method for effecting connection between an inner cylindrical element and a concentric outer cylindrical element of a torsional joint, wherein an annular, deformable, elastic, generally toroidal member of rubberlike material having a substantially round cross section and having a thickness greater than the distance between said inner and outer concentric elements is disposed into a mounting member having an internal bore with a tapered surface ad with is disposed at one end of said outer element, and a leader member having a leading end of smaller diameter than the diameter of the inner element is disposed at the leading end of sai dinner element, and said generally toroidal member is caused to rotate in an inside out manner by relative movement of the leader and inner members with respect to the outer member through a path of decreasing cross sectional area into a cylindrical space between said inner and said outer elements, the steps which comprise regulating the effective length of the leader member and the mounting member so that the deformable member is rotated only so that one side edge of the annular undeformed deformable member is also positioned at the side edge of the deformable member in the deformed state, whereby the side edge is in the unstressed condition of greatest resistance to surface deterioration when exposed to air.

2,457,648
PIPE COUPLING
Verne P. Donner, Palatine, Ill., assignor to Mid-Continent Metal Products Co., Chicago, Ill., a corporation of Illinois
Application May 4, 1946, Serial No. 667,238
6 Claims. (Cl. 285—123)



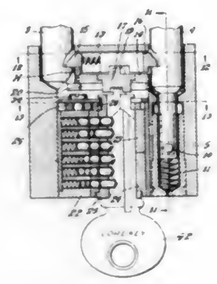
1. In a coupler for the pressuretight coupling of a purely cylindrical tube end, the combination comprising a sleeve having an inner bore for the close fitting admission of a tube and having an axially tapered outer surface, and means for compressing said sleeve circumferentially into radial contact with the portion of said tube wall lying thereunder, said sleeve compressing means surrounding said sleeve and constructed to grip the same for application of an inwardly directed stress to said sleeve which varies along the axis thereof and is approximately proportional to the radial thickness of the sleeve at the respective points of application of said stress tending to equalize the inward pressure exerted on said tube wall.

2,457,649
MACHINE FOR OPERATING ON HEDDLES
Russell P. Drake, Caledonia, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application November 30, 1945, Serial No. 631,994
13 Claims. (Cl. 28—46)



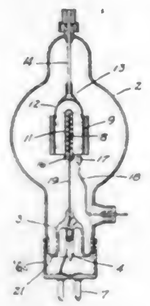
4. In an apparatus of the character set forth, means for supporting a heddle frame in upright position with a stack of heddles slidably supported in the frame, power driven means operative to release said heddles from said stack one by one, means operative in timed relation to the release of the heddles to intercept the same temporarily, feeler means operative to detect the simultaneous release of more than one heddle, and means controlled by said feeler means for stopping said releasing means.

2,457,650
LOCK
Louis M. Dyson, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application February 19, 1946, Serial No. 648,589
9 Claims. (Cl. 70—38)



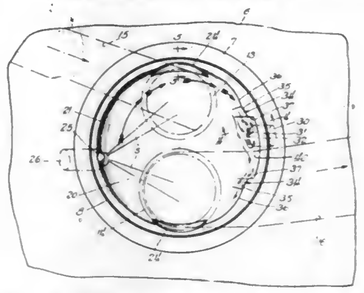
1. A lock mechanism comprising a core adapted to be inserted within a lock casing for operating a locking bolt in said lock; said mechanism comprising a shell, a retainer for retaining said shell within said casing, a sleeve rotatable for operating said retainer, a key plug rotatable for operating said bolt, and a master sleeve for permitting rotation of said key plug with a master key.

2,457,651
ELECTRON TUBE AND METHOD OF MAKING THE SAME
Hubert Eaves, San Mateo, and Paul D. Williams, Palo Alto, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application March 18, 1946, Serial No. 655,068
1 Claim. (Cl. 316—19)



The method of making an electron tube having a thoriated tungsten filament, which comprises mounting the filament on a support, immersing the mounted filament in a bath containing finely divided carbon particles in suspension, depositing by cataphoresis a coating of said particles on the filament, withdrawing the filament from the bath, enclosing the filament in the tube envelope, evacuating the envelope, and heating the filament in the envelope to carburize the filament prior to completion of evacuation.

2,457,652
INTERNAL-COMBUSTION ENGINE
James B. Fisher, Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin
Application March 15, 1946, Serial No. 654,688
4 Claims. (Cl. 123—32)



1. In a spark ignition injection engine in which the piston has an open top cupped upper end portion providing with the cylinder roof a combustion chamber as the piston approaches the end of its compression stroke and the charging air enters the cylinder substantially tangentially thereof effective for imparting to the air charge rotation about the cylinder axis persisting substantially throughout the suction, compression and combustion strokes of the piston; said piston having at its upper end a substantially continuous upwardly extending circumferential flange, a deflector element extending generally lengthwise of said piston and projecting from said flange substantially radially inward of said combustion chamber, and a spark plug disposed to have its electrodes adjacent the leading side of said deflector element in respect to the direction of rotation of the fuel-air charge when said piston approaches the end of its compression stroke, said deflector element being effective for deflecting inward of the combustion chamber the rotating fuel-air charge and thereby creating in conjunction with the centrifugal force tending to move said fuel-air charge outward localized eddying of the fuel-air charge at the electrodes of the spark plug.

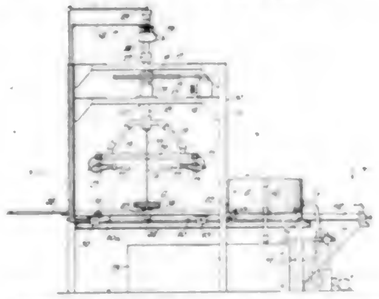
2,457,653
KNOCKAPART TOY
George E. Froelich, Two Rivers, Wis.
Application January 24, 1947, Serial No. 724,209
1 Claim. (Cl. 46—1)



In a knock-down building block toy comprising a skeleton body having a looped end forming a

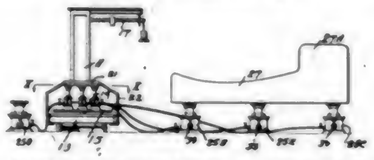
block storage compartment, a spring actuated platform pivoted to the body, a lip extending from the free end of the platform, a spring controlled lock and release trigger pivoted to the body having a nose engageable with the platform lip, a manually controlled finger extending from the trigger, and a plurality of building blocks adapted to be assembled in fanciful design upon the platform, whereby upon release of the same, the said assemblage of blocks is scattered upwardly.

2,457,654
FLAME HARDENING APPARATUS
Ernst A. Furkert, Chicago, Ill.
Application July 24, 1943, Serial No. 496,022
8 Claims. (Cl. 266—4)



4. Flame hardening apparatus comprising a rotary structure provided with a plurality of burners arranged to direct flames inwardly of the paths of rotation thereof upon a coaxially positioned gear to be heated, a reciprocal gear carrier operable coaxially within and through said structure, means above said structure for operating the carrier, means at the lower end of the carrier arranged for entrance into the axial passage of a subjacent axially aligned gear and comprising means for engaging the gear whereby upon elevation of the carrier by said operating means the gear is elevated into a position within the heating zone of the burners, a reciprocable quench tank operable to and from a position beneath said gear carrier and means within the tank for effecting the operation of said gear engaging means for releasing a gear lowered into the tank by said carrier.

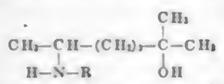
2,457,655
HYDRAULIC SCALE MECHANISM
Robert A. Gifford, Memphis, Tenn.
Application September 25, 1943, Serial No. 503,747
8 Claims. (Cl. 265—47)



3. A weighing mechanism, comprising a platform scale, including a base, a pressure-responsive platform, a scale beam carried by and above said base, and means operatively coupling said platform and said scale beam, a plurality of pressure-responsive hydraulic jacks in a compact group, centrally disposed and seated on said platform, abutment means disposed against the upper ends of said jacks, and anchored to said base, an identical plurality of independently shiftable and usable load supporting hydraulic jacks, and flexible hose connections each respectively connecting a said pressure-responsive jack and a said load-supporting jack, and establishing a passage-way for fluid flow therebetween, while maintaining freedom of shift and placing of said load-supporting jack, said groups of pressure-responsive jacks, comprising one jack seated in the center of said platform, and a plurality of pairs of jacks, the jacks of each said pair respectively being diametrically opposed with reference to said central jack and at equal distances therefrom.

2,457,656
ALIPHATIC AMINO ALCOHOLS AND MEDICINAL PREPARATIONS THEREOF
Horace T. F. Givens, East Orange, and Robert M. Herbst, Short Hills, N. J., assignors to E. Bilhuber, Inc., Orange, N. J., a corporation of New Jersey
No Drawing. Application September 25, 1945, Serial No. 618,579
4 Claims. (Cl. 260—584)

1. The therapeutically useful amino alcohols of the formula



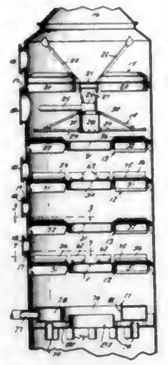
wherein R is a radical selected from the groups consisting of hydrogen, alkyl radicals having from one to five carbon atoms, lower alkenyl, cycloalkyl and aralkyl radicals.

2,457,657
POLYMERIZABLE COMPOSITION
Sanford E. Glick, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 4, 1944, Serial No. 562,035
2 Claims. (Cl. 260—22)

1. A polymerizable composition for impregnating castings having a porosity corresponding to that in magnesium castings consisting of 65–80 parts of styrene and 35–20 parts of a reaction product of diethylene glycol, maleic acid and linseed oil acids, said polyester resin having an acid number less than 20 and 40–50% thereof being made from linseed oil acids.

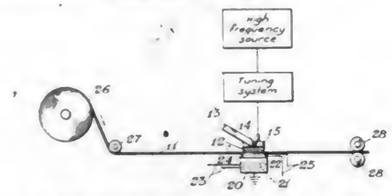
2,457,658
GAS AND LIQUID CONTACT APPARATUS
David P. Graham, Westbury, N. Y., assignor to Peabody Engineering Corporation, New York, N. Y., a corporation of New York
Application September 12, 1946, Serial No. 696,605
6 Claims. (Cl. 261—113)

1. In a gas and liquid contact apparatus, a treating zone comprising an orifice plate carrying a blanket of liquid and containing orifices through which the gas to be treated passes upwardly at a rate to prevent downward flow of the liquid therethrough and baffles over said orifices against which the gases impinge, and a spray zone beneath said treating zone, said spray zone comprising a diaphragm having openings through which said gas passes upwardly, means maintaining a blanket of liquid on said diaphragm and means forming unobstructed passages extending upwardly above said openings and registering therewith, said means having an opening into said liquid blanket to permit liquid to flow into said passages and to be picked up by the rising gas therein to form a spray, said passages being



positioned to discharge the spray onto the under surface of said orifice plate.

2,457,659
APPARATUS FOR HIGH-SPEED WELDING OF THERMOPLASTIC FILMS
Joseph P. Graham and Harold L. Hearns, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application September 19, 1946, Serial No. 706,889
2 Claims. (Cl. 154—42)



1. In an apparatus for the electrostatic welding of organic thermoplastic films, a grounded fixed electrode presenting a smooth surface to the work, controlled means to heat said electrode to a fixed temperature which is in the range from 50° to 80° C. and is below the heat distortion temperature of the film to be welded, a displaceable suspended electrode co-operative therewith to press the work therebetween and connected electrically to a high frequency source, and means for advancing lapped films between and in sliding contact with both said electrodes.

2,457,660
N-TERTIARY ALKYL AMIDES AND METHOD FOR PREPARING SAME
William F. Gresham, Lindamere, and William E. Grigsby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 1, 1944, Serial No. 538,342
12 Claims. (Cl. 260—561)

1. A process for the synthesis of organic acid amides having a tertiary carbon atom attached to an amido nitrogen which comprises subjecting a nitrile to reaction with a tertiary olefin in an aqueous medium, containing about 1% to 20%, based upon the weight of water present, of an acid-reacting catalyst, whereby a reaction mixture containing an organic acid amide having a tertiary carbon atom attached to the amido nitrogen is obtained, and thereafter separating the said organic acid amide from the said reaction mixture.

3. A process for the synthesis of N-tertiary butyl formamide which comprises reacting hydrogen cyanide with isobutylene in an aqueous acid medium at a temperature in the range of about 50° to 250° C., and at a pressure in the range of from atmospheric pressure to about 1000 pounds per square inch and separating the said N-tertiary butyl formamide having the formula $HCONHC(CH_3)_3$ from the reaction mixture.

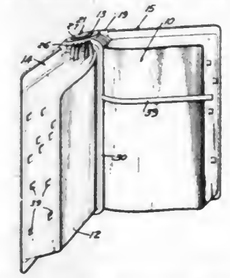
2,457,661
POLYMERIZING VINYL ALKYL ETHERS
Frederick Grosser, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 22, 1945, Serial No. 637,034
6 Claims. (Cl. 260—90)

1. A process for polymerizing a vinyl ether of the general formula:

$$CH_2{=}CH{-}O{-}R$$

wherein R represents a hydrocarbon radical which comprises subjecting the vinyl ether in the presence of an inert organic diluent which is liquid at the temperature of the polymerization to the action of an amount of gallium trichloride sufficient to promote the polymerization.

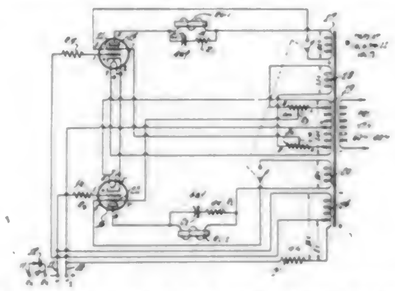
2,457,662
BOOKMARKER
Joe W. Hamilton, West Los Angeles, Calif.
Application September 29, 1945, Serial No. 619,359
2 Claims. (Cl. 116—119)



2. A device of the character described for receiving a book and marking the pages thereof, comprising an outer cover structure having pockets within which the backs of the book are detachably secured, said cover structure extending a distance beyond the opposite ends of the book, a pair of locking members secured to said opposite end extensions of the cover structure and overhanging the bound portion of the pages, each of said locking members comprising an arcuate wall formed with an intermediate slot lying in a plane parallel to the upper and lower ends of the pages, said slot in each of said members communicating with an arcuate recess in rear of said wall, and a plurality of marker members each characterized as having a longitudinal portion to extend between the pages of the book and offset end portions extending in the direction of the locking members whereby the longitudinal portions of each of said marking members will be spaced a desired distance from the binding, the terminating ends of said offset portions be-

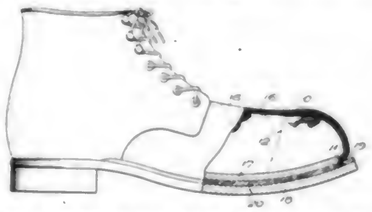
ing resilient and formed with a pair of opposite recesses forming T-shaped ends, said ends being designed to be distorted to extend through the slots in said locking members and to be engaged in said arcuate recesses by said walls contiguous said slots to be held temporarily in articulate connection with the locking means, and index members extending laterally from and forming a part of said marking members.

2,457,663
PROTECTIVE SYSTEM
George D. Hanchett, Jr., Millburn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 16, 1946, Serial No. 654,862
7 Claims. (Cl. 315—276)



1. The combination of a series circuit including a pair of impedance devices each provided with a terminal intermediate its ends, bias voltage means connected between said impedance means at one of their ends and provided with a midpoint terminal, means connected between said impedance means at the other of their ends for applying a voltage which is opposed to said bias voltage and a value smaller than said bias voltage, and a pair of electron discharge devices having their cathodes connected to the midpoint terminal of said bias voltage means and their shield grids each connected to a different intermediate terminal of said impedance means.

2,457,664
SAFETY SHOE
Raymond B. Harrison, Arlington, Mass.
Application November 4, 1948, Serial No. 58,193
2 Claims. (Cl. 36—77)



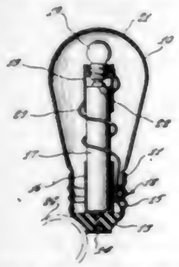
1. In a safety shoe, as a concealed inclusive part of its upper, a rigid, dome-like, metal box toe formed to the desired toe shape; such box toe being entirely disposed in advance of the lateral flexing zone of the upper and the break line of the sole and having a transversely arched rear edge continuously and asymmetrically curving toward the toe end of the shoe to provide rearwardly extended corner portions acting as force resisting buttresses at each rearward side of the box toe, the corner portion of the box toe wall located at the outside of the shoe extending rearwardly of the toe end of the shoe farther than the corner portion located at the inside of the shoe, and the curved rear edge of the box toe overlying the toes of a normal foot within the shoe and being generally parallel to but in advance of the transverse curved line defined by the metatarso-phalangeal joints of said foot, thus providing for maximum dimension of the metal box toe itself without limiting comfortable flexing of the shoe in wear.

2,457,665
TRICK ELECTRICAL LAMP WITH SECRET OPERATION
Albert C. Harjes, Flushing, N. Y.
Application January 17, 1947, Serial No. 722,530
2 Claims. (Cl. 272—8)



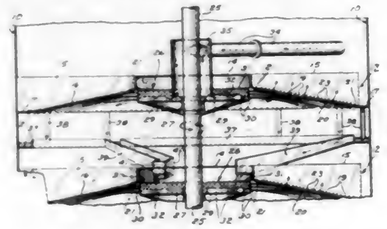
1. An electric lamp trick device comprising a threaded shell of metal representing the threaded shell of a standard lamp bulb, a translucent glass bulb formation fitted in one end of the shell, a block of insulating material secured to the other end of the shell and depending therefrom, a conductor extending through the insulating block and having a conductor disk formation lying over the bottom face of the insulating block, said disk and said shell being so formed and spaced from one another that the gap therebetween can be bridged by a conducting element, a battery secured to the inner end of the conductor and extending upwardly into the translucent bulb, a miniature lamp bulb connected to the upper end of the battery to receive current therefrom, and a conductor extending from the miniature lamp bulb to the threaded shell.

2,457,666
TRICK ELECTRICAL LAMP WITH SECRET OPERATION
Albert C. Harjes, Flushing, N. Y.
Application March 24, 1947, Serial No. 736,864
1 Claim. (Cl. 272—8)



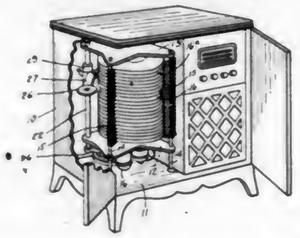
A trick electric lamp bulb device comprising a casing of light emitting material having an open bottom end, a base having a threaded terminal sleeve secured to the open bottom end of the casing and an insulating element in the terminal sleeve, a conductive support on the base and extending upwardly within the casing, a battery removably mounted on the support, a small lamp bulb socket slidably and removably mounted on the upper end of the battery and insulated from the exterior surface thereof, a lamp bulb of small size fitted within the socket and engaging a terminal of the battery, a lead wire extending from the socket to the base, said base including two contact terminals one of which is connected with the lead wire and the other extending from the conductive support to and over a part of the exterior of the insulating element, said base terminals adapted to be bridged by a metal element contained within the hand of the person performing the trick.

2,457,667
GAS SCRUBBER
Robert R. Harmon, Charlottesville, Va., assignor to Peabody Engineering Corporation, New York, N. Y., a corporation of New York
Application February 20, 1946, Serial No. 648,889
5 Claims. (Cl. 261—113)



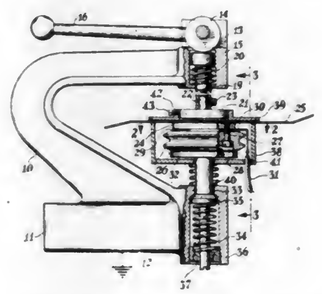
1. A gas and liquid contact apparatus comprising an upright casing and a treating zone therein, said zone comprising a transverse partition including a plate containing perforations for the passage of gas ascending through said casing, and a sprayer positioned to eject a canopy of liquid spray in a radial trajectory across the underside of said plate, said plate being inclined parallel to the average tangent to the trajectory of said spray so as to obtain maximum washing and its under surface being free from protuberances which could deflect said spray from said surface.

2,457,668
AUTOMATIC PHONOGRAPH
Carl R. Hart, New Haven, Ind.
Application November 1, 1943, Serial No. 508,512
15 Claims. (Cl. 274—10)



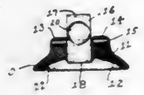
1. An automatic record selecting mechanism for a phonograph adapted to reproduce disc records including a magazine for removably supporting a column of records about their peripheral edges and in spaced relation, a record supporting turntable shiftable axially of said column exteriorly thereof, a tone arm carrying a reproducer shiftable with said turntable exteriorly of said column, a selectively positioned support for said turntable and tone arm, means for shifting and positioning said support relative to a selected record, and cam controlled mechanism operable to swing said turntable under and in rotating engagement with the selected record and swing said tone arm into reproducing engagement therewith.

2,457,669
STATIC SUPPRESSOR FOR MOISTURE METERS
Raymond S. Hart, Brooklyn, N. Y.
Application May 9, 1947, Serial No. 747,114
3 Claims. (Cl. 175—183)



1. In combination with a contactor of the character described, adapted for moisture measurements of sheet material and having input electrodes including a manually displaceable electrode grounded to the body of said contactor and an ungrounded electrode yieldably supported on said body, means for electrostatically shielding said ungrounded electrode and adjacent portions of the sheet material to be measured, said means comprising a conductive cup insulatedly surrounding said ungrounded electrode and displaceable relative thereto, a conductive cover concentrically mounted over said cup, means for electrically and mechanically connecting said cover to said grounded electrode in such a manner that a substantially continuous conductive surface is presented to the sheet material to be measured, resilient means urging said cup toward said cover so as to clamp a portion of said sheet material between the cover and the rim of the cup, and means for grounding said cup to the body of the contactor.

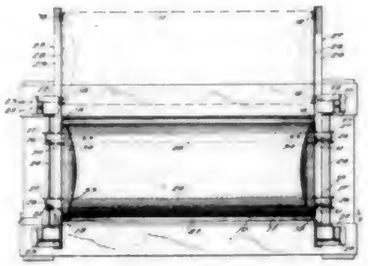
2,457,670
GOLF BALL TEE
Leaman S. Harvey, Waterbury, Conn.
Application April 19, 1946, Serial No. 663,518
8 Claims. (Cl. 273—33)



1. In a two-part golf tee, a flexible base having a rectangular central aperture, a flexible ball-

supporting post located within said aperture, and a lateral pivot pin securing said post in said base, said post being adapted to swing in said aperture when the ball is struck, so as not to retard the club head when striking the ball, and friction means for resisting swinging movement of said post, said friction means comprising openings in said post and in said base embracing said pivot pin, whereby said post may be manually adjusted and temporarily maintained in a vertical position without regard to the specific slope of the surface upon which the base may rest.

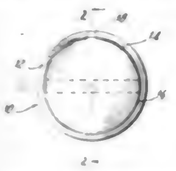
2,457,671
BURIAL APPARATUS
Wilbert W. Haase, Forest Park, Ill., assignor to Wilbert Manufacturers Association, Forest Park, Ill., a corporation of Illinois
Application September 15, 1945, Serial No. 616,627
10 Claims. (Cl. 27—32)



7. A burial apparatus comprising a pair of substantially parallel guide rails each having a portion adapted to be arranged at one end of a grave opening substantially parallel to an end wall of said grave opening and each having a portion adapted to extend beyond one side of the grave opening so as to enable flanged guide rollers bearing a part of a concrete burial vault to be moved along said guide rails from a point at one side of a grave opening to a point above the grave opening, each of said guide rails having a pair of spaced cut-out openings formed in that portion thereof which is adapted to be arranged at the end of the grave opening and each of said cut-out openings being adapted to have a flexible member of a burial vault lowering apparatus pass therethrough during movement of said flexible member, each of said guide rails having a gate member movably mounted thereon and each of said gate members being adapted to open and close one of said cut-out openings, and said gate members spanning the said cut-out openings in the said guide rails when in closed position so as to enable the said flanged guide rollers on the said part of said concrete burial vault to traverse the said cut-out openings when the said gate members are in closed position.

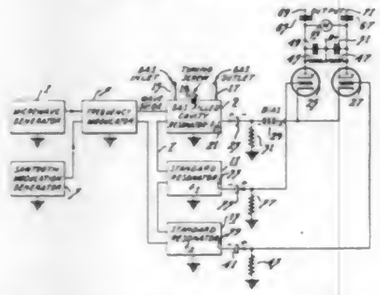
2,457,672
EARRING
Arthur Herman, Brooklyn, N. Y.
Application June 6, 1946, Serial No. 674,800
10 Claims. (Cl. 63—14)

1. An earring comprising a member having a through aperture, a domed element, the base whereof is of approximately the same configuration as the aperture in said member, said element being supported by the member substantially centrally of said aperture, with a slight clearance between said aperture and said element adjacent its base, so that when a piece of fabric is draped over said element, said fabric will be caught between the base of said element and said aperture,



said element being supported independently of the fabric, and means to attach the earring to a wearer's ear.

2,457,673
MICROWAVE GAS ANALYSIS
William D. Hershberger, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 1, 1945, Serial No. 626,134
7 Claims. (Cl. 175—183)



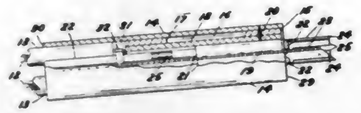
1. The method of utilizing a pair of differently tuned standard cavity resonators for measuring the energy loss in a microwave-absorptive gas-filled cavity resonator tuned approximately to the frequency of one of said standard resonators comprising the steps of introducing frequency-modulated microwave signals into all three of said resonators, detecting said microwave signals in all of said resonators, simultaneously controlling the magnitudes of said detected signals derived from said standard resonators in response to said detected signals from said gas-filled resonator, and measuring the difference in magnitude of said controlled detected signals to indicate the microwave energy loss in said microwave absorptive gas.

5. Apparatus for analyzing gas composition including a pair of differently tuned standard cavity resonators, a microwave-absorptive gas-filled cavity resonator tuned to the frequency of one of said standard resonators, a source of frequency-modulated microwave signals, means for introducing said frequency-modulated microwave signals into all three of said resonators, means for detecting said microwave signals in all of said resonators, means for separately amplifying said detected signals derived from said standard resonators, means for simultaneously controlling the gain of said amplification of said signals in response to said detected signals from asid gas-filled resonator, and means for measuring the difference in magnitude of said amplified detected signals to indicate the microwave energy loss in said gas-filled resonator.

2,457,674
FUNGICIDAL COMPOSITIONS
John W. Heuberger, Newark, Del., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 2, 1944, Serial No. 566,395
5 Claims. (Cl. 167—22)

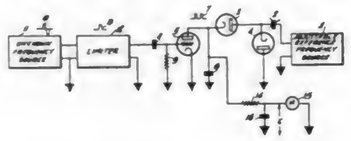
1. A fungicidal composition adapted for agricultural use comprising a water-soluble salt of an alkylene bisdithiocarbamic acid, a water-soluble salt of zinc, and lime.

2,457,675
ELECTRODE CONTROL
Robert L. Hinds, Toledo, Ohio
Application August 25, 1945, Serial No. 612,674
2 Claims. (Cl. 219—26)



1. An electrode directing holder comprising a tubular insulation portion, a partition therein, conductor leads into the holder at opposite sides of the partition, an open ended electrode mounting conductor sleeve on each side of the partition connected to a lead and extending from the insulation portion beyond the partition and there having its end tapered back toward the partition, the two sleeve ends thus having their tapered ends diverging to form a V open in extent away from the tubular insulation partition, and an electrode in each sleeve and protruding into the V.

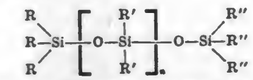
2,457,676
FREQUENCY MEASURING CIRCUIT
Ralph S. Holmes, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 25, 1943, Serial No. 477,164
8 Claims. (Cl. 175—368)



1. A frequency measuring circuit for a source of input signals the frequency of which is to be determined, including a source of reference signals of frequency substantially higher than the highest frequency to be measured, a capacitor, means including said reference source for applying unilateral pulses of substantially equal potential to said capacitor, means responsive to said input signals for discharging said capacitor during a portion of each cycle of said input signals, an integrating circuit, means for applying the resulting charges on said capacitor to said integrating circuit, and means for deriving a voltage from said integrating circuit of amplitude which is an inverse function of said input signal frequency, said derived voltage being of a uniform minimum value in the absence of input signals.

2,457,677
ORGANO-SILOXANES AND METHOD OF MAKING THEM
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application December 15, 1943, Serial No. 514,410
4 Claims. (Cl. 260—448.2)

1. Liquid organopolysiloxanes corresponding to the formula

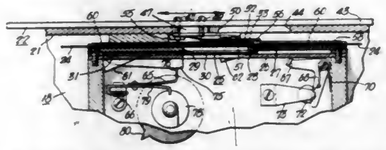


where R, R′ and R″ each represents a monovalent hydrocarbon radical, at least one R and at least one R″ each representing a phenyl radical, and n represents a positive integer.

2,457,678
RESISTOR AND METHOD OF MAKING
Joseph W. Jira, Newburgh Heights, Ohio, assignor to Continental Carbon, Inc., a corporation of Ohio
No Drawing. Application July 13, 1944, Serial No. 544,819
7 Claims. (Cl. 201—76)

5. A resistor comprising, in combination, a non-conductive carrier, a resistance element composed of a thin film of metal on the non-conductive carrier, and a protective coating for the resistance element, said protective coating comprising a layer of fused frit adjusted in its thermal coefficient of expansion by a refractory material of low thermal expansion coefficient of the class consisting of potassium feldspar, said frit comprising essentially lead oxide in the neighborhood of 58 parts by weight, boron oxide in the neighborhood of 5 parts by weight, and silica in the neighborhood of 12 parts by weight, the potassium feldspar comprising an independent dispersed phase in the frit and being included in amount from 5 parts by weight to 30 parts by weight, the amount of the potassium feldspar being determined by the thermal coefficient of expansion of the said non-conductive carrier, the coefficient of expansion being reduced by increasing the proportion of the potassium feldspar.

2,457,679
SLIDING FOCAL PLANE SHUTTER FOR CAMERAS
John J. Jones, Collingdale, Pa.
Application June 3, 1947, Serial No. 752,148
5 Claims. (Cl. 95—55)



1. A focal plane shutter comprising complementary apertured leaves slidable together between retracted and advanced positions and relatively adjustable to vary the extent of registration of said apertures and, thereby, the effective width of the shutter aperture during said movement, manually releasable means for retaining one of the leaves in the retracted position, a tooth projecting from the second leaf, a retractable latch engageable with the tooth to hold the leaf

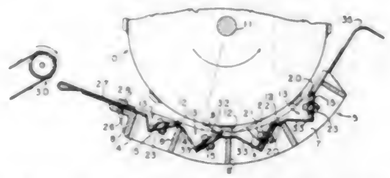
in retracted position, a cam on the first leaf positioned for engagement with the latch as the said first leaf slides toward the advanced position and operative to retract the latch from the tooth and to thereby release the leaf for movement jointly with the first leaf toward the advanced position, means for adjusting the latch to engage more or less of the total effective height of the tooth and to thereby correspondingly vary the extent of the retractive movement of the latch required to retract it from the tooth, the travel of the last named leaf from the fully retracted position to the point of contact of the cam with the latch being constant irrespective of the adjusted position of the latch whereby the said adjustment of the latch determines the point in the travel of the first leaf from the retracted position at which release of the second leaf occurs.

2,457,680

THRESHER CONCAVE WITH RUBBER THRESHING BARS

Eric J. Johnson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application January 5, 1945, Serial No. 571,706
8 Claims. (Cl. 130—27)



8. In a thresher, a concave frame and means defining a bar-supporting surface extending axially of said concave frame and inclined in the direction of movement of grain at an acute angle to a plane in which lies the axis of curvature of the concave and which intersects said surface, and a flat rubber threshing bar having a width appreciably greater than its thickness and disposed with its flat side against said inclined surface, but with the inner edge projecting upwardly beyond said bar-supporting surface in unsupported relation, and bolt means securing the lower edge of said bar to said concave.

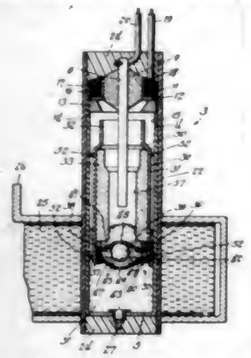
2,457,681

TIME-DELAY PLUNGER FOR RELAYS

John P. Keating, Elkhart, and Glen L. Weimer, South Bend, Ind., assignors to Durakool, Inc., Elkhart, Ind., a corporation of Indiana

Application April 20, 1946, Serial No. 663,684
4 Claims. (Cl. 175—372)

1. As an article of manufacture a plunger open at one end and comprising a substantially hollow cylindrical sleeve member of magnetic metal, a hollow cylindrical liner member of insulating material fitting interiorly of said sleeve member, timing means closing the other end of said plunger comprising a valve chamber having an upper plate member and a lower plate member, said upper plate member having a conical surface portion with the apex thereof disposed toward the open end of said plunger and said lower plate member having a conical portion with the apex thereof disposed in a direction opposite said upper plate member, said upper plate member having a valve seat substantially centrally thereof and having metering orifice means, said lower plate member having a valve seat substantially centrally thereof and by-pass orifice means, and a non-magnetic ball valve disposed in said chamber and movable therein for seating engagement with



one or the other of the valve seats of said plate members.

2,457,682

TROLLEY WIRE TAP

Ross Kiser, North Tazewell, Va.

Application April 11, 1947, Serial No. 740,884
1 Claim. (Cl. 173—273)



In a trolley wire tap, in combination, an elongated metallic shank, a metallic trolley wire engaging head rigid with and projecting laterally from one end of said shank, and means to connect a trailing cable to the other end of said shank, said head having opposite faces respectively of concave and convex form in transverse section and tapered toward the outer end of the head, the concave face being disposed at an acute angle longitudinal to the shank, whereby the head will cling to the trolley wire when tilted in one direction to engage the concave face thereof with the wire and will automatically move laterally and drop off of the wire under the action of gravity when tilted in the opposite direction to present the convex face thereof to the wire.

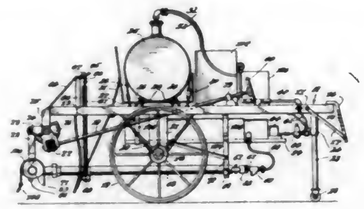
2,457,683

PORTABLE BURNER APPARATUS FOR GENERATING AND BURNING HYDROCARBON VAPOR FUEL

George P. Kittel, West New York, and Paul Wollner, Weehawken, N. J., assignors, by mesne assignments, to Aeroil Products Company, Inc., West New York, N. J.

Application January 10, 1946, Serial No. 640,208
2 Claims. (Cl. 126—271.2)

1. In a portable hydrocarbon burner apparatus of the type including a container for receiving liquid hydrocarbon fuel and having downwardly directed burner jets for burning gaseous hydrocarbon fuel against the surface over which the apparatus is moved, means located between said container and said jets for vaporizing said liquid fuel and for mixing the fuel with air consisting of a heating coil including a plurality of helical convolutions, a pilot burner for directing a flame jet axially through said coil for vaporizing liquid fuel passing therethrough, a pump connected with said heating coil for forcing liquid fuel into said



coil against the pressure of vaporized fuel therein, a nozzle connected with said coil and through which the vaporized fuel is forced by said pump and a conduit disposed in axial alignment with said nozzle and having an open end into which the vaporized fuel is directed when issuing from the nozzle to effect an intake of air through the open end of said conduit and the mixing thereof with the vaporized fuel so as to form a combustible mixture.

2,457,684

MANUFACTURE OF SPONGE POLYCHLOROPRENE RUBBER

Norman A. Klemp, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 17, 1945, Serial No. 583,393
4 Claims. (Cl. 260—29.7)

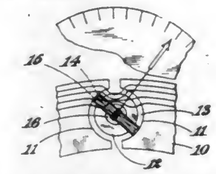
1. The method of recovering a stable liquid composition from an ungelled polychloroprene latex foam containing zinc oxide and alkali silicofluoride which comprises dispersing said foam in an aqueous medium containing material selected from the group consisting of alkali carbonates, borates, phosphates, sulfites, oxalates, ferrocyanides, ferricyanides and chromates and a stabilizer selected from non-ionic surface-active agents which are reaction products of ethylene oxide with material from the group consisting of aliphatic alcohols having more than 8 carbon atoms, aliphatic acids having more than 8 carbon atoms, and phenols, and anion-active surface active agents having the general formula R—SO_3—M, wherein M represents a radical selected from the group consisting of alkali metal, hydrogen, and ammonium, and R represents an organic radical containing at least one group having more than 8 carbon atoms, said anion-active surface-active agent being selected from the group consisting of alkyl sulphates, alkyl sulphonates, sulphonated and sulfated mixed ethers of long and short chain aliphatic groups, sulphonated and sulphated alkyl esters of long chain fatty acids, sulphonated alkyl substituted amides of long chain fatty acids, alkylated aryl sulphonates of the naphthalene and benzene series, hydroaromatic sulphonates of the anthracene and naphthalene series, and alkyl sulfosuccinates.

2,457,685

MOVING-COIL ELECTRIC INSTRUMENT

Edwin Claude Klepp, London, England, assignor to S. Smith & Sons (England) Limited, a British company

Application February 23, 1944, Serial No. 523,608
In Great Britain November 2, 1942
8 Claims. (Cl. 171—95)



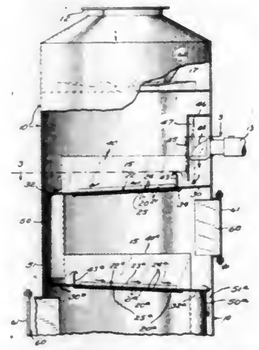
1. A moving coil electric instrument of the class described comprising, in combination, two elements formed of magnetic material and spaced apart to provide a gap between them, one of said elements comprising at least one pole of a magnet and the other a core member, two concentrically arranged coils encircling said core member and mounted to rotate together in the same magnetic field, certain stretches of the coils disposed so as to move in said gap, said gap being of substantially constant width along the path of movement of the coils, the cross section of at least one of said elements being such that a part of one of them which faces said gap approaches magnetic saturation, whereby the field strength in the gap decreases along the path of movement of said coil stretches, in a direction away from said part.

2,457,686

GAS AND LIQUID CONTACT APPARATUS

Robert Kopita, Bound Brook, N. J., assignor to Peabody Engineering Corporation, New York, N. Y., a corporation of New York

Application December 19, 1946, Serial No. 717,302
2 Claims. (Cl. 261—113)



1. A gas and liquid contact apparatus comprising a casing having a treating zone therein, said zone comprising a transverse partition including a flat plate containing perforations for the passage of gas flowing through said casing, a distributing weir extending across one end of said plate, means supplying liquid to flow over said weir onto said plate, a drain duct extending across the other end of said plate to receive the liquid after flowing over said plate, said plate being inclined downwardly between said weir and said drain duct by an amount corresponding to the liquid head required to cause the liquid to flow along said plate, whereby the liquid is maintained

at a uniform depth on all parts of said plate, a baffle grid assembly comprising bars extending along said plate in the direction of liquid flow from said weir to said duct, said bars having vertical flanges to direct the liquid flow and horizontal baffles overlying said perforations.

2,457,687

APPARATUS FOR FORMING HOLLOW ARTICLES OF ORGANIC PLASTIC MATERIAL

William H. Kopitke, West Hartford, Conn., assignor to Plax Corporation, Hartford, Conn., a corporation of Delaware

Application January 13, 1945, Serial No. 572,618
4 Claims. (Cl. 18—5)



1. Apparatus for forming hollow articles of organic plastic material by extruding and expanding said material, said apparatus comprising an extrusion head, a nozzle on said head, an extrusion orifice in said nozzle, a mandrel having an air passageway therein mounted in said head in cooperative relation to said orifice for imparting tubular shape to said material, and a device for forming a bottom on said material at the nozzle comprising a plate having a cavity therein, a plunger in said cavity, means loosely connecting said plate and said plunger for relative movement, and means for moving said device into and out of engagement with said nozzle.

2,457,688

METHYL SILOXANE GUMS AND ELASTOMERS

Robert H. Krieble and John R. Elliott, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

No Drawing. Application June 11, 1945, Serial No. 598,914
6 Claims. (Cl. 260—37)

2. A solid, elastic, curable methylpolysiloxane consisting of methyl radicals and silicon and oxygen atoms containing an average of from 1.98 to 2.0 methyl groups per silicon atom, said elastic methylpolysiloxane having been obtained by condensing a liquid consisting of polymeric dimethylsiloxane containing (*a*) from 0.4 to 5 mol per cent copolymerized monomethylsiloxane and (*b*) copolymerized trimethylsiloxane wherein the number of trimethyl-substituted silicon atoms are present in an amount equal to from 40 to 95 per cent of the number of monomethyl-substituted silicon atoms.

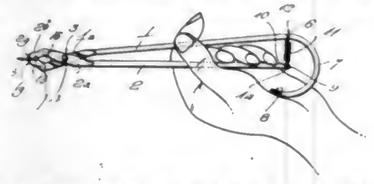
2,457,689

HOLDER FOR FASTENERS

Eldon L. Krieg, South Whitley, Ind.

Application April 7, 1947, Serial No. 739,847
5 Claims. (Cl. 1—47)

1. A tool for gripping and guiding a fastener for performing a driving operation, comprising a pair of pivotally mounted arms terminating in coacting jaws, each having recessed abutting coacting faces, said faces operating to grip and support a fastener in driving position, one of said arms terminating in a curved portion extending substantially around the end of the other of said arms and providing an abutment for limiting the movement thereof and spring means extending between said arms for tensioning said



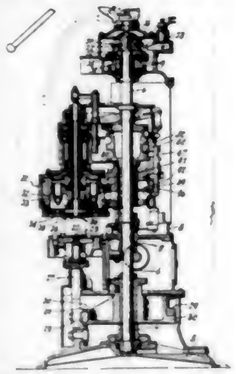
arms and normally maintaining said coacting faces in closed coacting relation.

2,457,690

CONTAINER CONTROLLED VACUUMIZING APPARATUS

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Original application August 14, 1941, Serial No. 406,899, now Patent No. 2,391,319, dated December 18, 1945. Divided and this application June 20, 1945, Serial No. 600,565
15 Claims. (Cl. 99—272)



4. In a machine of the character described, a casing open at its bottom and forming a filled container vacuumizing chamber therein, a container supporting pad vertically reciprocable for lifting filled containers into and lowering vacuumized containers from said chamber, means for feeding filled containers onto and vacuumized containers off from said pad, means for sealing the open bottom of said chamber about a filled container therein, means controlled by a shiftable valve for effecting evacuation of said chamber, and means controlled by movement of a filled container to said pad for shifting said valve to its evacuation effecting position thereby providing for evacuation of said chamber only when a container is presented to the chamber for being vacuumized.

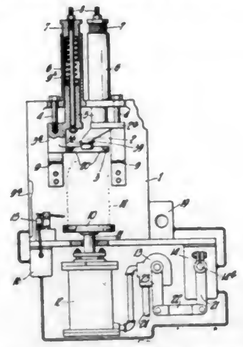
2,457,691

MEANS FOR ASSEMBLING METAL ARTICLES

Raymond R. Kubic and Carl H. Nylander, McKeesport, Pa., assignors to National Tube Company, a corporation of New Jersey

Application August 22, 1944, Serial No. 550,642
2 Claims. (Cl. 219—4)

1. A machine for soldering thin metallic discs around an aperture in a flange disposed interiorly of a cylindrical body member, said body member having an inwardly tapering upper end, comprising a vertically reciprocable platform constructed and arranged to receive the lower end of the said cylindrical body member, a downwardly spring-biased combined guide and electrode disposed above said platform, said combined



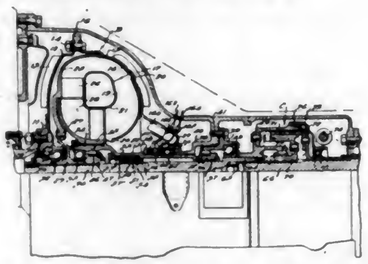
guide and electrode having an opening therethrough of the same shape as the tapered upper end of said body member whereby said electrode yieldingly engages the upper end of a body member disposed on said platform and positions it when said platform is lifted.

2,457,692

HYDRODYNAMIC TRANSMISSION

Ludger E. La Brie, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Original application December 10, 1941, Serial No. 422,369. Divided and this application December 6, 1943, Serial No. 513,061
18 Claims. (Cl. 74—189.5)



1. In a power transmission for a vehicle having an engine, a fluid power transmitting device drivingly connected to the engine, change speed means drivingly connected to said device and adapted to provide a plurality of different speed ratio drives for said vehicle, and means including control means operative in response to departures from the normal operating physical condition of the fluid in said device and operable at a predetermined condition of said fluid for effecting a change in the speed ratio drive of said vehicle.

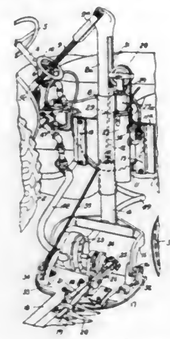
2,457,693

MOWER ATTACHMENT FOR TRACTORS

Walter K. Leicy, Crestline, Ohio, assignor to The Burch Corporation, Crestline, Ohio, a corporation

Application January 24, 1945, Serial No. 574,228
6 Claims. (Cl. 56—25)

1. In a mower attachment for tractors, in combination, attachment means for securing a mower attachment at one side of the chassis of a tractor, said mower attachment comprising a relatively vertical standard, a cutter bar unit supporting post movable in said standard vertically of the latter, a cutter bar unit supported on said post, including a cutter bar and cutting knife, means operatively associated with the post for



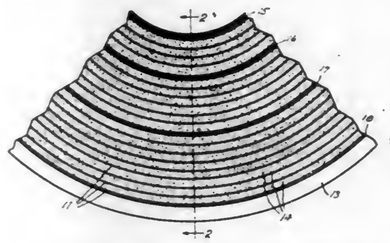
raising and lowering the post, combined with horizontal trunnion means adapted to pivotally connect said standard with a side of the chassis of a tractor vehicle, and means connecting the standard with the chassis of a tractor vehicle adjustable to shift the standard about the trunnion and change the horizontal angularity of the cutter bar unit.

2,457,694

SPIRAL WOUND GASKET

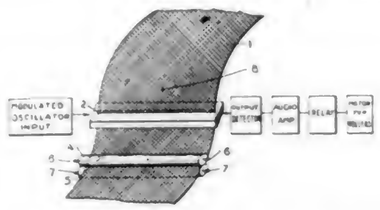
Stanley S. Lippincott, Palmyra, N. J., assignor to Flexitallic Gasket Company, Camden, N. J., a corporation of New Jersey

Application December 10, 1946, Serial No. 715,241
3 Claims. (Cl. 288—27)



1. A compressible gasket for sealing pipe flanges or the like having a bolt circle external to the gasket, comprising a metal strip of uniform width spirally wound with a strip of compressible material interposed between some of the metal convolutions, said strip of compressible material being interrupted to provide a plurality of stiffening bands spaced radially across said gasket, certain of said bands being located at the inner and outer peripheries of said gasket and others being disposed therebetween within the confines of the gasket, each band comprising a plurality of metal-to-metal convolutions of said metal strip, the number of metal-to-metal convolutions in the respective bands progressively decreasing from the inner to the outer peripheries of said gasket whereby the stiffness of the gasket progressively decreases from its inner to its outer peripheries.

2,457,695
ULTRA HIGH FREQUENCY APPARATUS FOR INSPECTION OF SHEET AND OTHER MATERIALS
Charles L. Liskow, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application September 24, 1945, Serial No. 618,151
1 Claim. (Cl. 26—70)

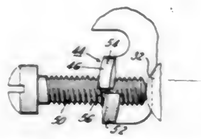


Apparatus for detecting foreign conductive matter in textiles, comprising an ultra high frequency oscillator, a waveguide coupled thereto and having a longitudinal slot, rollers for passing textiles through said slot, a motor for rotating said rollers, a detector coupled to the output of said waveguide, an amplifier therefor, and a relay for stopping said motor, said relay being operated by said amplifier when conductive material passes through said slot.

2,457,696
SYNTHESIS OF UNSATURATED KETONES
George E. Lukes and Ralph C. Swann, Skokie, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application June 15, 1944, Serial No. 540,542
23 Claims. (Cl. 260—597)

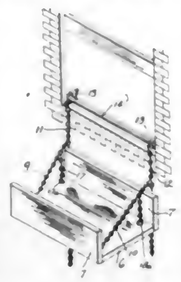
1. The method of synthesizing unsaturated ketones comprising contacting an open-chain olefinic hydrocarbon having at least 3 carbon atoms per molecule with a fatty acid anhydride in the presence of a catalyst selected from the group consisting of aryl su'fonic acids, sulfo-fatty acids and halo-sulfonic acids.

2,457,697
SCREW LOCKING MEANS
George P. Lum, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 25, 1946, Serial No. 699,204
4 Claims. (Cl. 74—526)



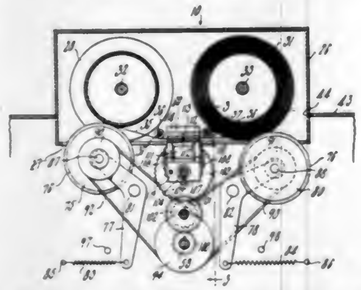
1. An adjustable stop mechanism for a lever comprising an arm, a threaded hole through said arm, a screw in said hole supported by said arm, an abutment for said screw to limit the movement of said lever, the portion of said arm defining said hole being divided into two segments, the threads of one of said segments being offset in respect to the threads of the other segment, whereby the threads of said hole frictionally engage the threads of said screw.

2,457,698
SUSPENDER WINDOW SUPPORT FOR WASHING WINDOWS
Carl Mariash, Brooklyn, N. Y.
Application May 18, 1946, Serial No. 670,745
1 Claim. (Cl. 304—24)



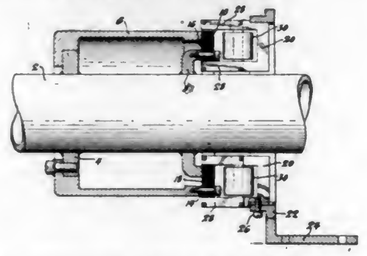
A window support for cleaning windows from the outside, comprising a platform, first chains connected to the outer side of the platform near opposite ends thereof and extending inwardly and diagonally upwardly, chains each of a length correlated with the length of each side first chains connecting the diagonal chains to the inner sides of the platform, a hanger chain connected with the inner end of each diagonal chain, a cross bar connected with the upper ends of the hanger chains and adapted to bridge a window to support the platform in suspended position below the window and the cross bar having an adjustable U-bolt including concave bearing surfaces near each end thereof connected to the upper end of the nearest hanger chain.

2,457,699
MAGNETIC RECORDER WITH FRICTION DRIVE DEVICE INCORPORATED WITHIN THE MAGAZINE
Richard A. Marsen, New York, N. Y., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application March 29, 1945, Serial No. 585,545
15 Claims. (Cl. 179—100.2)



15. A magnetic recording system comprising, in combination, a sound translating unit and a magazine disengageably mounted thereon, said magazine containing a linear magnetic recording medium, and spaced rotatable reels for drawing said medium in either direction longitudinally of said magazine; said sound translating unit comprising a casing having an aperture in a wall thereof for receiving said magazine, and driving mechanism aligned with the aperture; said driving mechanism entering into operative association with the recording medium coiled on said reels upon insertion of said magazine into the aperture in said casing; and releasable latching means automatically operative, upon insertion of said magazine into the aperture in said casing, to retain said magazine in cooperative engagement with said unit; the side walls of said magazine having recesses for engageably cooperating with said latching means.

2,457,700
TORQUE METER
Edward J. Martin, Pleasant Ridge, and Walter E. Sargeant, Ferndale, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 9, 1942, Serial No. 468,374
12 Claims. (Cl. 73—136)

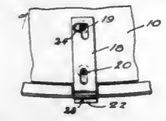


1. In measuring means applicable to a body subject to changes in stress, a plurality of members having good magnetic conductivity and projecting interjacent portions supported on the body at spaced points and solenoid means comprising coil and core means, said core being in juxtaposition to the members whereby they form part of a magnetic circuit and variations in their position will vary the inductance of the coil to give an indication of the stress of the body, duplicate magnetic members mounted in stationary relation adjacent the body and the first magnetic members, duplicate solenoid and core means mounted in juxtaposition to the duplicate magnetic members and indicating means connected to both solenoid means whereby the duplicate solenoid means will balance out the effects of stray magnetic fields.

2,457,701
EMULSION-POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS
Charles D. McCleary, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 2, 1945, Serial No. 626,444
20 Claims. (Cl. 260—86.5)

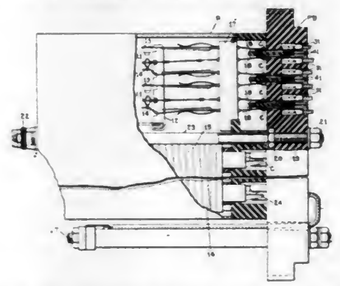
1. In the preparation of a synthetic rubber latex by the polymerization of an aqueous emulsion of polymerizable material selected from the group consisting of butadiene-1,3 hydrocarbons and mixtures of butadiene-1,3 hydrocarbons with up to 70% by weight of the mixture of compounds which contain a $CH_2{=}C<$ group where at least one of the disconnected valences is attached to an electro-active group and which compounds are copolymerizable therewith, the step of adding .05 to 1 part by weight of a quinone per 100 parts of polymerizable material originally present, to the emulsion after polymerization of polymerizable material in the emulsion to synthetic rubber and while said emulsion contains unreacted polymerizable monomeric material.

2,457,702
SHIPPING CONTAINER
Francis L. McGary and Charles E. McGary, Hardinsburg, Ky.
Application October 3, 1944, Serial No. 556,970
7 Claims. (Cl. 217—44)



2. A shipping container comprising a head, a body portion, a hoop surrounding the head end of the body and having openings therethrough, and radially movable bars on said head, said bars being turned up at their outer ends to provide hooks for engaging parts of said hoops to prevent retraction of said bars, said bars having longitudinal guide slots spaced lengthwise of the bars, at least one of the slots having a lateral extension permitting lateral movement of the bar when in projected position, so that endwise movement of the bar is then inhibited.

2,457,703
PLUGBOARD ARRANGEMENT
Joseph F. Merkel, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 23, 1946, Serial No. 712,000
4 Claims. (Cl. 173—328)



1. In a plug coupler of the character described for detachably supporting an electro-responsive device providing plug coupled electrical connections for a plurality of pairs of spring contact tips on said device, the combination with a plug board of insulating material having openings opposite said pairs of contact tips and a plug of insulating material secured in each of said openings, said plug having a portion protruding from the front of the plug board separating said contact tips of each pair, said plug having a transverse abutment and two laterally spaced longitudinal abutments in both its upper and lower surfaces within the opening in the plug board, and said plug cooperating with said plug board to form a slot extending through said plug board substantially opposite each of said contact tips above and below said plug, of a contact strip formed for the attachment of a plurality of wires at one end and receivable in said slot from the back of the plug board with wires attached thereto to a limited extent permitting the other end of the contact strip to be supported by the protruding portion of said plug so as to make electrical connection with one of said contact tips when said device is plug coupled to the plug board, said contact strip having a longitudinally

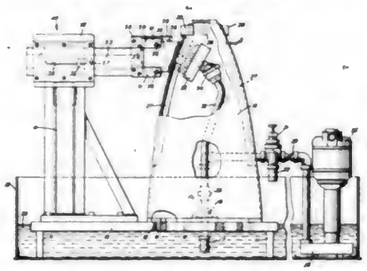
extending detent formed therein of a breadth to be held in longitudinal alignment in said slot between said laterally spaced abutments of said plug, said detent being compressible upon insertion of the contact strip in said slot from the back of the plug board and being effective to lock said contact strip against removal from the back of the plug board by engagement with said transverse abutment of said plug when said contact strip is fully inserted.

2,457,704

MATERIAL SUPPORTING AND COOLING APPARATUS FOR WELDING MACHINES

Donald H. Mitchell, Cranford, and Earl C. Moss, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 27, 1946, Serial No. 657,560
2 Claims. (Cl. 113—59)



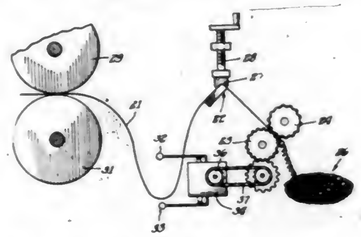
1. A material supporting and cooling apparatus for welding machines comprising a table to support a metal structure having locked-in stresses due to previous welding of a part thereon, a carriage to support a metallic element, means to support the carriage for movement to position the element at selectively variable positions adjacent a surface of the metal structure whereby the element may be welded thereto, and means to direct a coolant to the opposing surface of the metal structure adjacent the metallic element to prevent spreading of heat, during welding of the element to the structure, to the area of the welded part.

2,457,705

WIRE CURLING APPARATUS AND METHOD

Francis D. Moran, Downers Grove, Ill.

Application July 19, 1944, Serial No. 545,556
5 Claims. (Cl. 140—71)



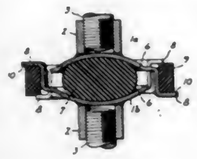
1. Apparatus for curling flat wire comprising a curling curve over which the wire is adapted to be bent, stationary resilient pressure means for holding the wire bent across the curling curve to bend the same, means for delivering the wire in a slack condition to the curling curve, and means for continuously drawing the wire across the curling curve and from between the curling curve and pressure means, whereby to continuously impart a bend along the length of the wire and curl the same.

2,457,706

RESILIENT MOUNTING

Eldon Paul Neher, North Manchester, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application September 6, 1945, Serial No. 614,762
11 Claims. (Cl. 248—358)



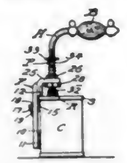
1. A vibration-insulating mounting adapted to be disposed between two relatively vibratable members comprising two rigid connectors, each having attaching means for attachment to one of said relatively vibratable members and a centrally disposed bearing surface, said connectors arranged with said bearing surfaces directed toward each other, a mass of vulcanized rubber-like material disposed between said bearing surfaces with one of two opposite sides of said mass bearing against each of said bearing surfaces, and resilient external locking means carried by said connectors whereby relative movement of said connectors is accomplished only through distortion of said mass.

2,457,707

GAS SAMPLING DEVICE

Wilbur K. Neuman, Skokie, Ill., and Harry M. Slosberg, Ames, Iowa, assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application September 9, 1944, Serial No. 553,412
6 Claims. (Cl. 222—5)



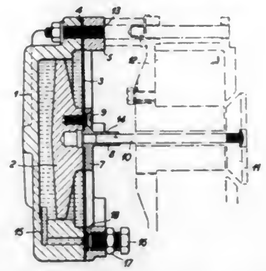
2. A gas sampling device for containers comprising a frame having means for clamping to a container and including a guide, a hollow plunger movable along said guide toward and from a wall of the container and having means at one end for connection to a gas-receiving device, a gas-receiving device connected to said connection means, a hollow piercing point at the other end of the plunger, means engaged with the frame and plunger to move the plunger along the guide and force the point through a wall of the container, and a resilient sealing member surrounding and closely embracing the point and in unstressed condition extending beyond the point and effective to establish a seal around the point and against the can wall prior to penetration of the can wall whereby communication from the interior of the pierced container is limited to the passage through said hollow point.

2,457,708

HYDRAULIC DAMPER

Frederick Newton, Sudbury, England, assignor to Newton Brothers (Derby) Limited, Derby, England, a British company

Application July 16, 1947, Serial No. 761,361
In Great Britain September 11, 1946
2 Claims. (Cl. 188—97)



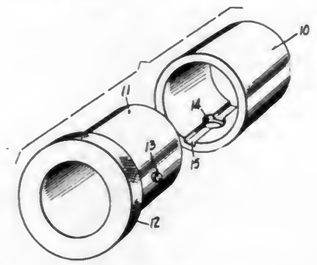
1. A liquid filled dash-pot comprising a metal cylinder closed at one end, having a passage in its wall leading from the interior at the closed end to a mouth in the end of the cylinder wall, a diaphragm of flexible material impervious and resistant to the liquid in the dash-pot sealing the open end of the cylinder, a clamping ring pressing said diaphragm upon the open end of the cylinder throughout the periphery of the diaphragm but not over the area around the mouth of the passage, a piston fitting the cylinder and attached in liquid-tight fashion to the diaphragm, and a leak limiter adjustable in the clamping ring to limit and vary the extent to which the diaphragm can lift from the area about the mouth of the passage.

2,457,709

JIG BUSHING

Arthur H. Nolde, Wauwatosa, Wis., assignor to The Falk Corporation, Wauwatosa, Wis., a corporation of Wisconsin

Application August 11, 1945, Serial No. 610,231
3 Claims. (Cl. 77—62)



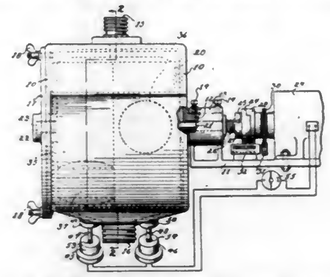
1. In a jig bushing the combination of a liner member, a bushing member adapted for insertion in said liner member, a stud projecting from one of said members, an opening in the other of said members for coaction with said stud to releasably retain said members against separation, and a longitudinal groove extending through said last named member and opening through which said stud is admitted to said opening upon insertion of said bushing member into either end of said liner member, said opening being wider than said groove.

2,457,710

FLUID METER CONSTRUCTION

Ragnar A. Norbom, New York, N. Y., assignor to National Fitch Corporation, a corporation of Delaware

Application May 10, 1946, Serial No. 668,814
1 Claim. (Cl. 73—242)



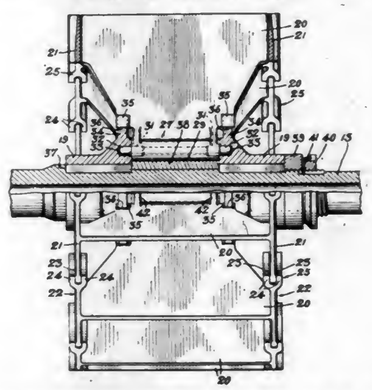
In a milk flow meter construction, the combination comprising a casing having an inlet connection on its upper side and an outlet connection on its lower side, an integral boss projecting laterally from said casing for supporting said casing, a rotor supported for rotation within said casing on a shaft extending through said boss, said rotor having two cylinders extending therethrough, one cylinder being axially displaced along the rotor axis and at right angles to the other cylinder, a free piston for each of said cylinders and slidable therein, a pair of push rods mounted on said casing adjacent said outlet connection and engageable by said pistons when the piston is at the lower end of its cylinder adjacent said outlet connection, a pair of circuit closers connected in series and engaged by said rods, and a motor-driven means controlled by said circuit closers and connected to said rotor shaft for rotating said rotor 90° each time one of said pistons engages one of said push rods.

2,457,711

HIGH-TEMPERATURE FAN

Carl Nygren, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana

Application May 19, 1945, Serial No. 594,750
7 Claims. (Cl. 230—134)



1. In a centrifugal fan, a plurality of blades in circular arrangement about a common axis of rotation with their inner portions converging inwardly toward said axis and their outer portions

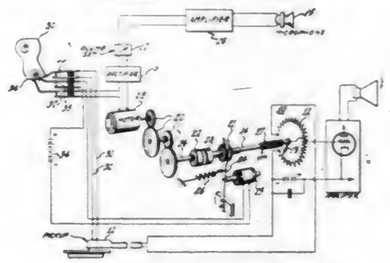
diverging outwardly from said axis, hub members at either side, means to fasten the inner portions of the blades to the hub members to hold them against individual bodily movement outwardly due to centrifugal force, means fastening the intermediate portions of the blades to the hub members against relative rotary movement in driving and segment shaped shroud sections carried by the outer portions of the blades in circular arrangement about the axis to form shrouds for the fan.

2,457,712

METHOD AND APPARATUS FOR NOISE CONTROL OF REPRODUCED SOUND

Harry F. Olson, Princeton, and John Preston, Hopewell, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application September 21, 1945, Serial No. 617,858
4 Claims. (Cl. 179—1)



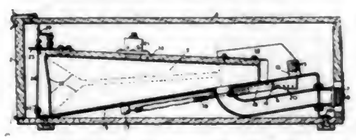
1. Apparatus for regulating the difference in level between reproduced sound and ambient noise, comprising the combination of a phonograph volume control, an electrical circuit including a pick-up for reproducing sound from a record, a microphone responsive to ambient noise, means for translating ambient noise received by said microphone into electrical energy, means operated by said energy for setting said volume control proportionately to the ambient noise, and selective switching means automatically operable for alternately connecting said setting means and said pick-up to said volume control.

2,457,713

APPARATUS FOR TESTING THE OPERATION OF OXYGEN SUPPLY EQUIPMENT FOR AIRCRAFT

Ronald Roy Osborne and Ernest Graham Dunsford, Farnborough, England, assignors to the Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England

Application August 9, 1945, Serial No. 609,880
In Great Britain March 24, 1945
5 Claims. (Cl. 73—40)



1. Apparatus for testing the operation of oxygen supply apparatus comprising a bellows adapted to be connected to the oxygen supply, a bolt for locking said bellows in the closed position, and spring means for opening said bellows on release of said bolt, a pointer on the movable element of the bellows, a fixed datum in conjunction with which the pointer works to register the volume of oxygen supplied to the apparatus when said bellows is opened under the action of said spring means, on release of said bolt, and means to indicate that oxygen is flowing into the apparatus when said bellows is locked in the closed position.

2,457,714

KNIFE SHARPENER

William R. Pancoast, Evanston, Ill.

Application May 12, 1947, Serial No. 747,427
8 Claims. (Cl. 51—214)



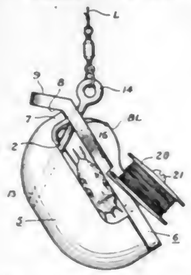
1. In a knife sharpener, an abrasive element having grinding faces on opposite sides thereof, a support for said element, and a pair of diverging magnetized plates disposed one on each side of said element to hold a knife blade at the proper angle to said element during sharpening.

2,457,715

BAIT-HOLDING CASTING BOB

Frederick F. Pazzano, Waltham, Mass.

Application November 5, 1946, Serial No. 707,893
7 Claims. (Cl. 43—41)



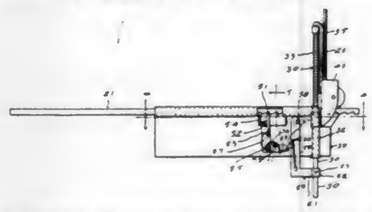
1. A live-bait casting bob comprising a member recessed on one side to receive a live-bait in said recess, a cover for the recess swingably connected to the member, and supporting means for the member and cover secured to the member and extending through the cover, said cover having an opening of such size as to permit the supporting means to be slidably and swingably related thereto.

2,457,716

BUTTER SLICER

Ronald R. Perkins, Dallas, Tex.

Application January 7, 1947, Serial No. 720,531
4 Claims. (Cl. 31—30)



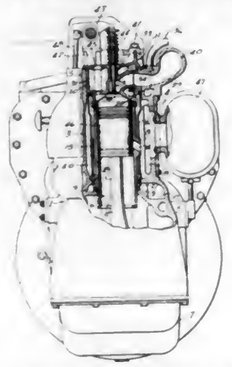
1. A slicing device comprising a tubular housing a cutting member, a carrier for said member, means slidably mounting said carrier at one end of said housing whereby said cutting member may be moved across said one end, a follower in said housing, an elongated toothed bar fixed to said follower, an L-shaped lever rockably carried by said housing, a spring-pressed dog carried by one leg of said lever, engageable with said bar, and a laterally projecting lug carried by the other leg of said lever, and a second spring-pressed dog carried by said carrier engageable with said lug whereby said lever will be rocked to advance said bar during the initial movement of said carrier on the cutting stroke thereof.

2,457,717

ENGINE COOLING, CYLINDER, JACKET, AND HEAD CONSTRUCTION

Charles Frank Pervier, Port Washington, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application February 15, 1946, Serial No. 647,819
9 Claims. (Cl. 123—173)



1. In an internal combustion engine a main crank and cylinder supporting frame having a lower crank shaft supporting and enclosing portion and an upper cylinder supporting portion terminating at its upper end in a cylinder head seat, a chambered partition wall disposed between said upper and lower frame portions, said head seat and said chambered partition wall having aligned cylinder receiving openings therein; a head and cylinder assembly disposed in and extending through and held by said aligned openings in said head seat and said chambered partition wall, said head and cylinder assembly comprising a head portion having a coolant chamber therein, a cylinder barrel portion separably united with said head portion, and a coolant jacket surrounding said cylinder barrel portion providing a closed coolant containing chamber surrounding said cylinder barrel extending from the lower end thereof to said head portion, fluid conveying means disposed within said head seat portion joined with and providing egress for coolant from the coolant chamber in said head; and a coolant admission chamber in said chambered partition wall joined with and providing an entrance for coolant into the lower end of said jacket.

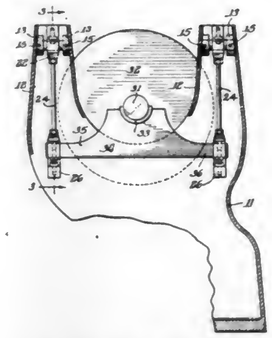
2,457,718

BALANCE-TESTING MACHINE ROTOR SUSPENSION SYSTEM

Clyde H. Phelps, Springfield, Ill., assignor, by mesne assignments, to Weaver Engineering Co., a corporation of Illinois

Application May 24, 1945, Serial No. 595,542
5 Claims. (Cl. 74—579)

1. In a suspension structure for at least a portion of a vibratory rotor-shaft bearing-support, the combination of a first suitably supported body having an upper convex partially-spherical surface, a second body having a concave partially-spherical undersurface bearing on and rockable on said upper convex surface, a hanger supported by and depending from said second body, a third body with a concave partially-spherical under-



surface on said bearing-support, and a fourth body on the lower portion of said hanger and having a top convex partially-spherical surface supporting said third body by engagement with its concave undersurface, the curvature of said concave partially-spherical undersurface in each instance being of greater radius than that of its cooperating convex surface.

2,457,719

PREPARATION OF EXTRUDED IRON OXIDE CATALYSTS

Paul R. Pine, Berea, and Earl C. Ray, Cleveland, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

No Drawing. Substituted for application Serial No. 716,436, filed December 14, 1946. This application filed April 3, 1947, Serial No. 739,267
4 Claims. (Cl. 252—259.2)

1. An improved method for the preparation of extruded catalytic bodies, comprising the steps of forming a paste consisting essentially of ferrous carbonate, a compound of a catalytic metal of atomic number from 22 to 30 inclusive excluding iron capable of yielding the oxide thereof on calcination, a compound of an alkali metal capable of yielding the oxide on calcination and water, the proportions being such that after calcination the product will consist essentially of from 2% to 30% of the oxide of said catalytic metal and up to 28% of the oxide of said alkali metal but not less than 70% of iron oxide, percentages being based upon the total weight of the final product, water being present in said paste in proportion suitable for extrusion, extruding said paste to form catalytic bodies of the desired size and shape, heating the resulting extruded bodies at temperatures of the order of 110° C. to 150° C. until uncombined water has been removed and then calcining at temperatures of the order of 900° C. to 950° C. for from 2 to 6 hours.

2,457,720

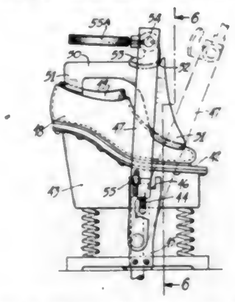
SHOE SOLE PRESSURE DEVICE

Samuel Plawker, Newark, N. J.

Application August 15, 1946, Serial No. 690,691
3 Claims. (Cl. 12—33)

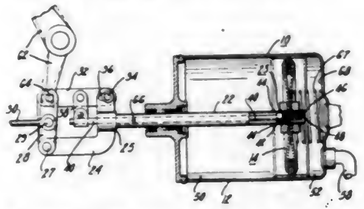
1. In a shoe sole pressure device, in combination, a hollow cup, a pliable covering across the

top of said cup constituting a support for a shoe, a base, springs for yieldably mounting said cup on the base, side arms pivoted to said base and swingable over said shoe, a bridge piece for engaging a lasted shoe at the front and rear portions thereof, a yoke supported in said arms and



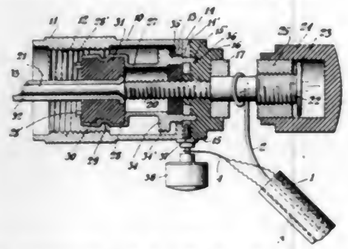
movable to engage the bridge to apply pressure to the last shoe against the resistance of said springs whereby said covering engages and conforms the sole of the shoe closely to the shape of the last, and latching means for releasably holding the side arms in an inoperative position.

2,457,721
PRESSURE FLUID FOLLOW-UP SERVOMOTOR
Harold W. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 29, 1943, Serial No. 516,034
3 Claims. (Cl. 121—41)



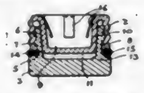
1. A power unit constituting a part of means for operating one of the several control members of an automotive vehicle said unit including a double-ended vacuum suspended motor comprising a cylinder and a power element which, together with the cylinder, divides the motor into two compartments, an air transmitting conduit connected with one of said motor compartments, a motor controlling follow-up valve, including two relatively movable members housed within the motor and operative, by a movement, of said members, to control the admission of air into the other of the motor compartments and to control the by-passing of air from the latter compartment to the first mentioned compartment, and force transmitting means for obtaining feel control and for operating said valve said force transmitting means comprising a valve operating member connected to one of the parts of the control valve and extending through one end of the cylinder of the motor, a valve operating rod housed within said member, and a plurality of closely connected links interconnecting said member and rod and mounted just outside the casing of the motor, one of said links operating as a lever and serving, by virtue of its connection with the remaining links and with the control member, to exert a reactionary force advising the driver of the vehicle of the degree of force exerted by the motor during the operation of said control member.

2,457,722
CONNECTOR FOR COAXIAL CABLE
Charles McDonald Puckette, Jr., Ridgewood, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application March 23, 1945, Serial No. 584,274
7 Claims. (Cl. 174—19)



1. A connector for a coaxial cable which comprises electrically connected and mechanically separated coaxial sleeves and a binding post extending through both of said sleeves axially thereof, a metal disc in contact with both of said sleeves, one of said sleeves having an externally threaded portion and the other one an internally threaded portion adapted to engage said externally threaded portion.

2,457,723
ADJUSTABLE GLIDER FOR FURNITURE LEGS
Andrew R. Pura, Toronto, Ontario, Canada
Application July 30, 1947, Serial No. 764,743
3 Claims. (Cl. 16—42)

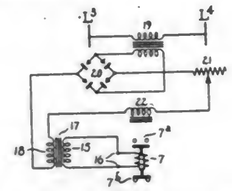


1. An adjustable glider for furniture legs comprising in combination a base portion having an upwardly extending annular extension formed with a threaded outer surface and a cap having a depending annular flange formed with an internal thread to engage the threaded outer surface of the base extension for adjustment thereon, said cap being formed with a central well adapted to extend within the annular extension of said base and to receive and support a furniture leg.

2,457,724
ELECTRIC RELAY FOR USE WITH ALTERNATING CURRENT OF VARIABLE FREQUENCY AND VOLTAGE
Cyril Ernest Randall, Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 9, 1942, Serial No. 461,360
In Great Britain March 25, 1942
3 Claims. (Cl. 172—289)

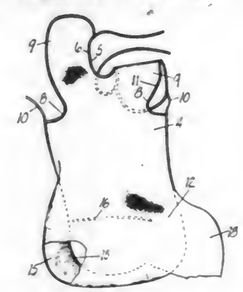
3. In an alternating current motor controller, in combination, electromagnetic reversing and plugging switches, a relay having a winding to be supplied from one phase of the secondary circuit of a motor, means rendering said relay responsive to the voltage of said secondary circuit

upon initiation of plugging action, for predetermined positioning of said relay and then commutating the circuit connections of said relay



winding, and a condenser rendering said relay winding, after its connections are so commutated, sensitive to joint influence of the voltage and frequency of said secondary circuit.

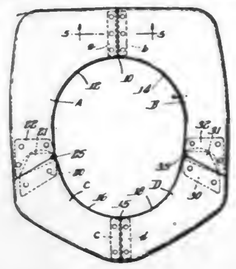
2,457,725
BIB AND TRAY COVER
Lavinia Bauer Rhowmine, Grand Rapids, Mich.
Application March 25, 1947, Serial No. 736,951
3 Claims. (Cl. 2—49)



1. A combined bib and tray cover comprising a body portion and a tray cover portion formed integrally from a single flat piece of material, the cover portion being a laterally enlarged continuation of the body portion, the body portion having a central neck opening recess extending centrally from the upper edge thereof and opposed arm opening recesses extending from the side to the top edge thereof, the recesses providing shoulder flaps therebetween the outer top edges of which are connected to the side edges of the body portion just below said arm opening recesses by elastic tapes, the edge of the tray cover portion being gathered and provided with an elastic tape whereby the tray portion is provided with inturned edges constituting a pocket adapted to yieldably receive the edges of a tray, and an elastic tape extending between the rear edges of the tray cover portion to apply yielding stress thereto when it is engaged with a tray.

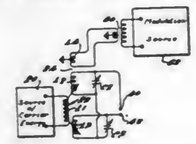
2,457,726
TOILET SEAT
Harper Richards, Chicago, Ill.
Application October 6, 1947, Serial No. 778,069
6 Claims. (Cl. 4—239)

1. A folding toilet seat having a longitudinal axis comprising a pair of like arcuate sections on opposite sides of the longitudinal axis at one end of the seat and a second pair of like arcuate sections, on opposite sides of the longitudinal axis at the opposite end of the seat, each of the sections being arranged in end to end abutting relation with the adjacent sections, pivotal connections on opposite sides of the longitudinal axis of the seat having their axes disposed tranversely of the plane of the seat and joining one section of each pair with the adjacent section of the other pair, and hinge connections



having their axes in mutual alignment with each other and with the longitudinal axis of the seat interconnecting two adjacent arcuate sections on opposite sides of the longitudinal axis of the seat.

2,457,727
ELECTRICAL MEASURING SYSTEM
Clare M. Rifenbergh, Grosse Pointe, Mich., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a not-for-profit corporation of Illinois
Application September 27, 1940, Serial No. 358,742
11 Claims. (Cl. 73—432)

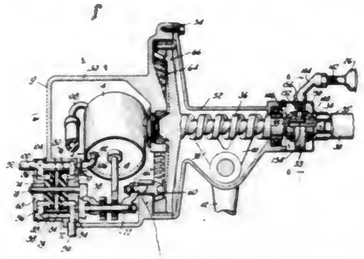


2. In combination, an electrical network including a source of alternating current energy, an output circuit connected to said source to have a voltage impressed thereacross by said source, said circuit having first and second portions each including impedance means and connected so that the voltage across the terminals of said circuit is proportional to the vectorial sum of the voltages across said portions, said portions being tuned to predetermined points differing substantially from resonance so as to produce a predetermined normal said vectorial sum, a modulating element remote from said net work, coupling means including a transmission line of relatively low impedance and at least one transformer between said element and said network, said element being variable so as to vary the tuning of said network and alter said vectorial sum, and additional tuning means coupled to said network and adjustable to compensate for any unbalance from said predetermined tuned relation.

2,457,728
POWER STEERING MECHANISM AND FOLLOW-UP CONTROL VALVE THEREFOR
Evue J. Ringer, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 28, 1945, Serial No. 596,309
8 Claims. (Cl. 180—79.2)

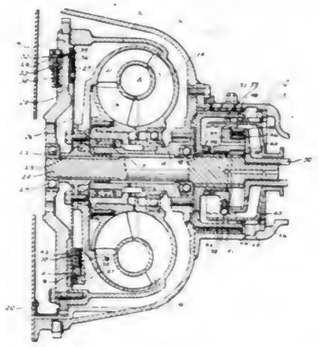
1. In an automotive vehicle provided with a steering mechanism including a pitman arm, a steering wheel and a steering column; power and manually operated means for effecting either a power operation of the steering mech-

anism or a manual operation of said mechanism in the event of failure to effect a power operation of the mechanism, or a combined power and manual operation of said mechanism; said power and manually operated means including a multi-motored vacuum engine a rotary valve for controlling the operation of said engine by providing fluid passages in communication with the re-



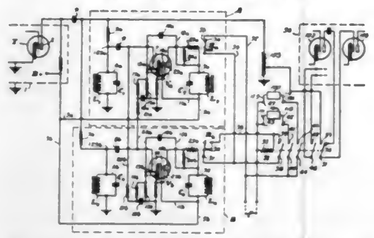
spective motors of said engine, a manually and power operated follow-up to lap valve for both initiating and cutting off the flow of pressure fluid to and from the aforementioned rotary control valve whereby to effect an operation of the multi-motored engine; and force transmitting means, interconnecting the steering wheel, the multi-motored engine, the pitman arm and the follow-up to lap valve.

2,457,729
AUTOMATIC BRAKE CONTROL
Albert O. Roberts and John J. Wharam, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application April 19, 1945, Serial No. 589,164
7 Claims. (Cl. 192—3)



1. In an automotive control device, for vehicles having a transmission brake and a plurality of wheel brakes, a brake operating pedal, brake activating means effective on operation of said pedal to operate both said wheel brakes and said transmission brake, means associated with said brake activating means effective on release of said brake pedal to disengage said wheel brakes while retaining engagement of said transmission brake, an accelerator control, and an interlock between said accelerator control and said associated means to disengage said transmission brake on operation of said accelerator control.

2,457,730
RELAY CONTROL SYSTEM
Gerald G. Roberts, Akron, Ohio, assignor to William O'Neil, Akron, Ohio
Application August 29, 1942, Serial No. 456,630
7 Claims. (Cl. 250—10)

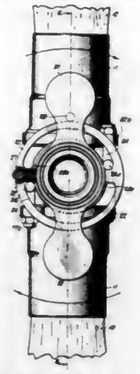


1. A control or signal device adapted to be connected to an audio output portion of a radio receiver and responsive to a plurality of control frequencies to cause a plurality of functional operations, comprising a plurality of circuit portions, each portion having connecting means for connection to a suitable power supply, a grid-controlled electronic tube connected to said connecting means and adapted to pass plate current from said power supply or to substantially prevent current flow, depending on the potential applied to the grid thereof, a relay operatively controlled by a change in said plate current, a filter means for selectively obtaining a higher potential at one of said control frequencies than for others, an amplifier connected to said filter means for increasing the potential at said control frequency, second filter means connected to the output circuit of said amplifier for separating the amplified potental at said control frequency, a rectifier connected to said second filter means for obtaining a rectified potential due to said amplified potential, means for delaying said rectified potential and means for impressing said rectified potential on the grid of an electronic tube in one of the other of said circuit portions, so that when said amplified potential in one of said circuit portions is of substantial magnitude a negative potential due to said rectified current is applied to said grid in another of said circuit portions, said filter means in one of said circuit portions being adapted to selectively obtain a potential at one of said control frequencies and the filter means in other of said circuit portions being adapted to selectively obtain a potential at another of said control frequencies, so that in response to one control frequency flow of plate current in one of said circuit portions is substantially prevented and in response to another control frequency the flow of plate current in the other of said circuit portions is substantially prevented, whereby said relays in said circuit portions are selectively operated in response to said control frequencies.

2,457,731
TWO POSITION PITCH-CHANGING MECHANISM
Horace H. Roby, Wichita, Kans.
Application October 13, 1945, Serial No. 622,180
3 Claims. (Cl. 170—162)

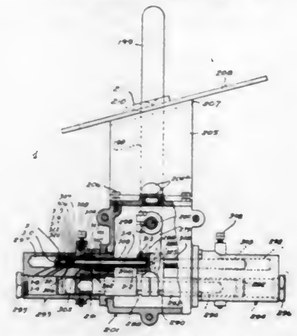
1. A two position pitch-changing mechanism for a controllable pitch propeller whose hub assembly includes a blade-supporting spider mounted on the propeller shaft, radial shanks on the spider and mountings on the hub ends of the blades axially rotatable on said shanks, a fly weight assembly freely rotatable with respect to the propeller shaft, a pitch changer plate also

rotatable with respect to the propeller shaft and said plate having arcuate cam slots permitting movement of said changer through an arc corresponding to the range of the pitch change of the blades, separate blade actuating means slid-



able in the slots of the pitch changer and each connected to a blade mounting, contacting members on the fly weight assembly and pitch changer plate operable with increase and decrease in the rotative speed of the propeller to shift the pitch changer.

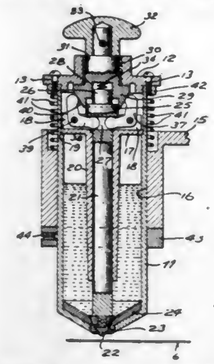
2,457,732
HYDRAULIC LATCH CONTROL MECHANISM
Edward A. Rockwell, Cleveland, Ohio
Original application June 29, 1943, Serial No. 492,745. Divided and this application October 28, 1944, Serial No. 560,869
14 Claims. (Cl. 192—8)



1. A hydraulic latch comprising a cylinder having an inlet valve therein, a plunger longitudinally reciprocable therein, an inlet valve located around the outside of the plunger and seating on the cylinder, an outlet valve mounted on the plunger, a valve-unseating rod associated with the plunger and means for operating the plunger and valve-unseating rod independently of each other.

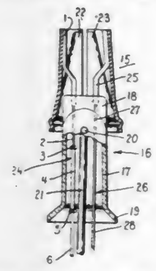
2,457,733
GLUE DISPENSER
Francis C. Rodman, Garden City, and James E. Engel, Tottenville, Staten Island, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application April 30, 1946, Serial No. 666,152
4 Claims. (Cl. 91—43)

1. In a device of the character described the combination of a support, a glue pot reciprocally mounted in a bore in said support, an outlet port in the lower end of said pot, a cover removably secured to the upper end of said pot, a cam reciprocally supported by said cover, a disc mounted in said pot, a pair of opposed bell crank levers pivotally supported by said disc in operative relation to



said cam and adapted to be rocked about their pivots by the reciprocation of said cam, a valve operative to open and close said port, and operative connections between said bell crank levers and said valve for lifting said valve in response to downward movement of said cam.

2,457,734
RESISTOR FOR ELECTRIC DISCHARGE DEVICES
Theodore C. Sargent, Swampscott, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application February 1, 1947, Serial No. 725,765
7 Claims. (Cl. 315—58)



1. A lead wire for an electric discharge device comprising an electrode-supporting member, a wire member having one end thereof connected to the electrode-supporting member, a conducting ribbon mounted on the other end of said wire member, a wire-wound resistor having one end thereof connected to and held by said conducting ribbon, a second conducting ribbon secured to the other end of said resistor, and a circuit-connecting member secured to said second conducting ribbon.

2,457,735
BREAKING WATER-IN-OIL EMULSIONS
Michael Savoy, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application April 5, 1946, Serial No. 659,883
3 Claims. (Cl. 252—332)

1. The method of breaking water-in-oil emulsions comprising, mixing therewith a small

amount of a demulsifying agent from the group consisting of ammonium salts and alkali metal salts of sulfonated substantially pure pinene and limonene.

2,457,736
WIRE CLOTHESPIN
Bearnard O. Schmidt, Caroline, Wis.
Application July 18, 1945, Serial No. 605,756
1 Claim. (Cl. 24—81)



A clothes pin comprising a pair of divergent integral resilient jaws, one of said jaws being in the form of an elongated loop and the other jaw extending along the long diameter of said one jaw, an elongated bar integral with and extending downwardly from said other jaw, said bar formed with an upper portion extending at an obtuse angle from said other jaw and formed with an offset corrugated lower portion substantially parallel with the upper portion thereof, the bottom end of said lower portion being looped to form one of a pair of lower divergent jaws, a reverted leg integral with said loop extending upwardly adjacent and parallel to said lower portion, a resilient eye formed integral with the upper end of said reverted leg, a second corrugated bar extending downwardly from said eye and diverging from said lower portion of said elongated bar and terminating in a second loop to form the other of the pair of lower divergent jaws, and a locking ring engaging over said bars and said reverted leg for clamping said lower jaws on an article.

2,457,737
METHOD OF AND MEANS FOR MAKING ARCH SUPPORTS
William M. Scholl, Chicago, Ill.
Application June 12, 1944, Serial No. 539,964
6 Claims. (Cl. 36—71)

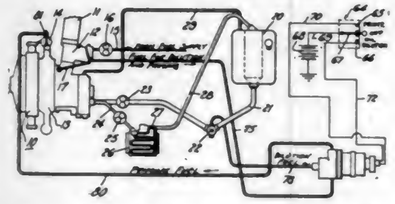


1. As an article of manufacture, a single piece blank to be shaped into an arch support, said blank comprising a substantially flat thermoplastic piece having an outline contour generally in keeping with that of an arch support, and said blank also having a relatively wide marginal bevel on the outer side thereof and a relatively narrow and more abrupt marginal bevel on the inner side thereof to provide a smooth edge and to facilitate shaping and provide a better fit of the resultant support in an article of footwear.

2,457,738
THERMOPLASTIC AMINOPLASTS
Milton J. Scott, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 2, 1946, Serial No. 659,157
9 Claims. (Cl. 260—45.1)

1. A thermoplastic resin comprising the condensation product of one mol of a dialkylol melamine obtained by reaction of melamine and an aldehyde and substantially one mol of a para-substituted phenol in which the substituent is a member of the group consisting of organic alkyl, aryl and aralkyl radicals.

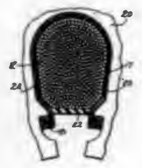
2,457,739
OIL DILUTION AND PRIMER SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Eugene A. Sherrill, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 19, 1946, Serial No. 663,300
14 Claims. (Cl. 123—180)



8. For use with an engine having an oil supply system and a fuel supply system, combined oil dilution and priming means comprising a valve chamber adapted to receive fuel from the fuel supply system, separate discharge ports through which fuel may escape from said chamber, a solenoid valve including a pair of spring biased valve members controlling said ports, a solenoid having a reciprocating armature and electro-magnet coils of opposite polarity arranged to impart reciprocatory movement to the armature, means operatively connecting said armature to said valve members, said connecting means including a reciprocating element having a lost motion connection with said armature and adapted to unseat one of said valve members when the armature is moved in one direction, and another reciprocating element adapted to engage the other of said valve members and unseat the latter when the armature is reciprocated in the opposite direction within the range of said lost motion connection, and an electric circuit including a switch for selectively energizing said coil.

2,457,740
FLUIDPROOF WINDING ELEMENT
Frank J. Sigmund and William S. Hlavin, Cleveland, Ohio, assignors to Sigmund Corporation, a corporation of Ohio
Application December 2, 1944, Serial No. 566,368
12 Claims. (Cl. 171—252)

11. In a dynamoelectric machine employing a magnetizable core having coil slots therein, windings with coil sides in said coil slots and coil heads at the ends of said core, the provision of a covering for said windings including a thin wall wrapper impermeable to penetration of moisture for one area to dissipate heat and thick wall sections having sufficient mass to prevent penetration of moisture for other areas, comprising split impermeable nonmagnetic sleeves for each slot to surround said coil sides and extending to the coil heads, said sleeves providing substantially absolute barrier to the passage of moisture there-

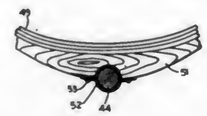


through to said coil sides, a self-contained body comprising a polymerizable and copolymerizable mass sealing the split of the sleeves and encasing the coil heads and sealing the ends of said sleeves, said mass being thick to substantially prevent the penetration of moisture therethrough, whereby said impermeable sleeves will provide thin wall protection and dissipate heat but exclude moisture from the coil sides, and said mass will protect the portions of the windings which cannot be encased in a sleeve.

2,457,741
STABILIZATION OF FATTY MATERIAL
John R. Shipner, South Omaha, Nebr., assignor to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine
No Drawing. Application October 15, 1945, Serial No. 622,483
6 Claims. (Cl. 260—398.5)

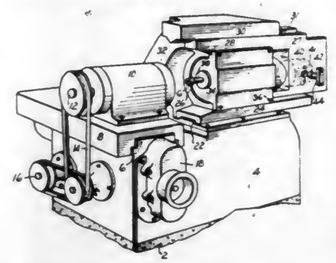
1. The process of stabilizing fatty material against oxidative deterioration which comprises incorporating therewith a fatty-material-extract of leaves and stems of *Larrea divaricata*.

2,457,742
PUSHCART ASSEMBLY
George Soha, New York, N. Y.
Application June 18, 1946, Serial No. 677,581
2 Claims. (Cl. 280—47)



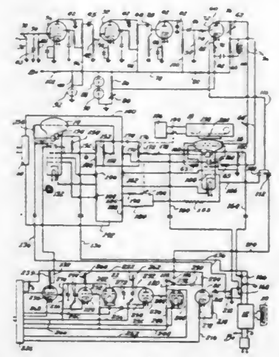
1. In a push cart assembly comprising a pair of mobile cart members each having a body and supporting wheels, a plurality of T-shaped socket members carried by one of said cart members, a plurality of T-shaped coupling members carried by the other cart member and engageable in said socket members, a spring-pressed bolt for locking a T-shaped coupling member in the socket, an upwardly extending operating rod formed integral with said bolt and including a right angular lower end, said bolt extending upwardly from said lower end, and means slidably mounting said rod on an end of said body.

2,457,743
INTERNAL GRINDING MACHINE
Clarence C. Stevens, Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 3, 1946, Serial No. 700,958
18 Claims. (Cl. 51—50)



6. In a bore grinding machine, a frame, a work head, a wheel head, a slide for supporting and axially reciprocating one of the heads, the slide being substantially upright and arranged near the front of the frame, the supported head being substantially all within the outline of the slide, upper and lower guideways for the slide, and means for reciprocating the slide, said reciprocating means having a power transmitting connection with the slide in line with the center of gravity of the slide and the head supported thereon.

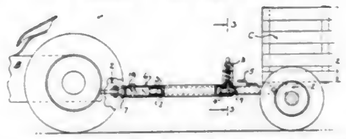
2,457,744
INSTRUMENT USEFUL IN THE ANALYSIS OF VIBRATIONS IN ORGANIZED LIVING TISSUE
Ralph E. Sturm, Milton, Wis., assignor to The Burdick Corporation, Milton, Wis., a corporation of Delaware
Application July 14, 1942, Serial No. 450,889
15 Claims. (Cl. 128—2.06)



1. Apparatus for providing a distinctive mark of the occurrence of an electric potential wave generated by the heart upon an indication of heart vibrations of a patient produced by a cathode ray tube having its beam deflected in one direction in response to the vibrations, including in combination, an amplifier, means for supplying the input of said amplifier with electric potentials generated by the heart of the patient, means connected to and controlled in response to the output of said amplifier for producing a substantially constant characteristic electrical impulse of brief duration upon occurrence of the

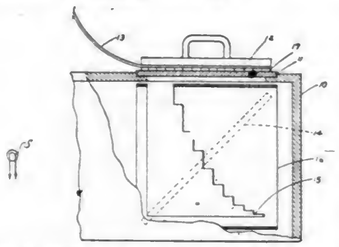
wave, and means for deflecting the cathode ray beam in said one direction in response to said impulse, thereby to provide distinctive marks or beacons indicating the occurrence of the potential waves.

2,457,745
CONVERTIBLE VEHICLE DRAWBAR
Julius J. Suess, West Allis, Wis.
Application September 10, 1945, Serial No. 615,464
1 Claim. (Cl. 280—33.44)



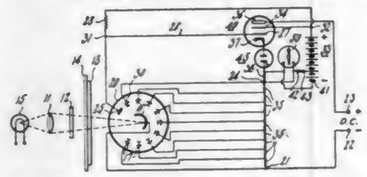
A convertible draw-bar for vehicles comprising a rectangular hollow inner tongue section having alined pairs of vertically disposed upper and lower wall spaced apertures adjacent its inner and outer ends, an outer rectangular hollow tongue section in telescopic union with the inner section, a coupling member at the end of the outer tongue section, and a spring controlled coupling pin secured adjacent to the end of the outer tongue section, the end of the pin being in engagement with the upper wall of the inner tongue section between its pairs of apertures when the tongue sections are freely slidable one upon the other for adjustment, a stud seated in apertures of the outer tongue section for engagement with the end of the inner tongue section, whereby the spring pin is aligned with the inner tongue end apertures to accommodate different lengths of inner tongues whereby said sections may be adjusted to conform to a draw-bar length and locked by the pin engaging one pair of the apertures of the inner tongue section.

2,457,746
SENSITOMETER EMPLOYING REPEATING WEDGE MODULATOR
Monroe H. Sweet, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application November 7, 1944, Serial No. 562,294
5 Claims. (Cl. 95—10)



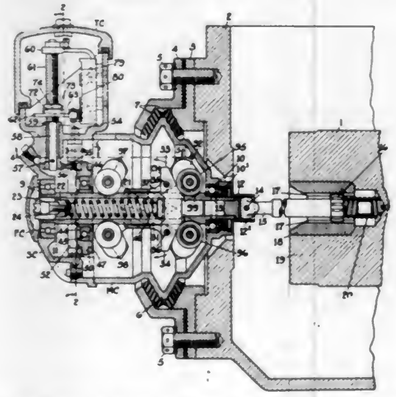
1. In a time-scale photographic sensitometer the combination of a light source, an exposure plane and means for retaining a sensitized layer at that plane, a stepped exposure aperture the steps of which progressively vary in extent for varying the exposure time during which light from said source is permitted to pass, and by which its effect on the layer is modulated, and means for further varying the effect of said light on the layer including an optical, repeating wedge positioned tranversely of the light beam which passes through said exposure aperture and having steps, the density of each of which varies from a maximum at one edge to a minimum at the opposite, said wedge being so positioned that its steps align with the steps of the said aperture so that each wedge step shall modulate light passing through its respective aperture only.

2,457,747
ELECTRON MULTIPLIER TUBE CIRCUITS
Monroe H. Sweet, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application February 15, 1946, Serial No. 647,932
20 Claims. (Cl. 250—27)



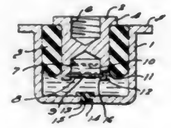
1. An electronic measuring circuit comprising, in combination, an electron multiplier tube including an anode, a cathode and intermediate multiplier electrodes arranged therebetween; voltage means connected to the electrodes of said tube for impressing potentials therebetween; a source of potential; variable impedance means connected in electrical series relation with said source and said voltage means and effective to vary the potential drop across said voltage means; multiplier tube anode current responsive means connected in circuit relation with the output of said tube and with said variable impedance means and effective to vary the impedance of the latter, as a function of such anode current, to modulate such impressed potentials as a function of such anode current; and voltage stabilizing means in circuit connection with said anode and the adjacent multiplier electrode and effective to maintain the potential therebetween substantially constant irrespective of variations in such anode current.

2,457,748
SPEED GOVERNOR FOR RAILWAY VEHICLES
Herbert B. Taylor, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 22, 1944, Serial No. 523,462
2 Claims. (Cl. 264—15)



1. In speed governors; in combination; a housing, a hollow rotatable slotted shaft in the housing; means for rotating the shaft; a crosshead received in the slot and slidable therein lengthwise of the shaft; a centrifuge carried by, and rotatable with the shaft, and movable to assume different positions dependent upon its speed of rotation; elastic means biasing the crosshead in one direction; means operatively connecting the centrifuge to the crosshead so as to move the crosshead in the other direction; a cam shaft; a cam on the cam shaft; means operable by the cam; means connecting the crosshead to the cam shaft and including, a spur gear on the cam shaft, a pivoted frame, a toothed sector carried by the frame and in mesh with the gear, a ball bearing with its outer race pivoted to the frame and its inner race slidable on and rotatable with the slotted shaft, and an operative connection between the crosshead and said inner ball bearing race.

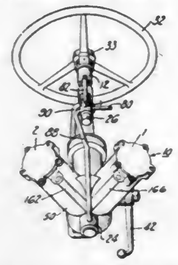
2,457,749
ENERGY DISSIPATING ANTIVIBRATION DEVICE
Leon F. Thiry, Belgium, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 6, 1944, Serial No. 534,495
14 Claims. (Cl. 248—358)



1. A vibration mount, including a pair of coaxial elements having an annular space therebetween, an annular rubber member in said space resiliently connecting said elements and permitting relative movements of said elements only through deformation thereof one of said elements being in the form of a closed ended cylinder and the other a piston movable axially with respect thereto upon deformation of the rubber member, said annular member, said closed ended portion of said cylinder element and an end portion of said co-axial piston element defining a space, means movable with said piston for dividing said space within the closed end of the cylinder into two compartments having a restricted connecting passageway, a liquid substantially filling one of said compartments and partially filling the other, and a gas filling the remainder of said other compartment.

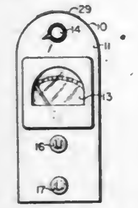
10. A vibration mount, including a pair of coaxial elements having an annular space therebetween, an annular rubber member in said space resiliently connecting said elements and permitting relative movements of said elements only through deformation thereof, one of said elements being in the form of a closed ended cylinder and the other a piston movable axially with respect thereto upon deformation of the rubber member, a compartment formed in said piston element, said annular member, said closed ended portion of said cylinder element and an end portion of said co-axial piston element defining a space, said compartment communicating with said space, a liquid substantially filling said space and partially filling said compartment, a gas filling the remainder of said compartment, said compartment being of substantially smaller volume than said space.

2,457,750
POWER STEERING MECHANISM
Thomas H. Thomas, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 4, 1945, Serial No. 614,319
7 Claims. (Cl. 180—79.2)



5. Power and manually operated or manually operated means for effecting the steering operation of the front wheels of an automotive vehicle including a manually operated steering wheel, a force transmitting member adapted to be connected to the drag link of the steering mechanism, force transmitting means, including a yieldable lost motion connection, for interconnecting the steering wheel and the aforementioned force transmitting member, a two motored engine having the power elements thereof operably connected to one part of the force transmitting means, a two-part distributor valve for controlling the operation of the motors of said engine, one part of said valve controlling one of said motors and the other part of said valve controlling the other of said motors, and a master control valve, operable as a result of the operation of the aforementioned lost motion connection, for initiating and for cutting off the operation of the distributor valve.

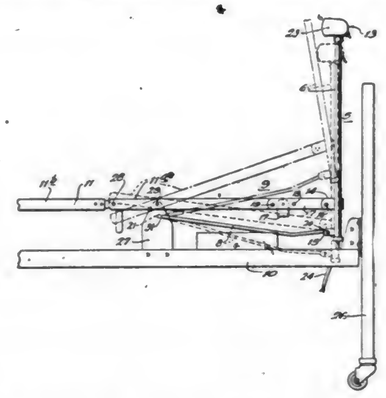
2,457,751
TEMPERATURE MEASURING APPARATUS
Clifford J. Thompson, Davenport, Fla., assignor to Fruit Growers Express Company, a corporation of Delaware
Application June 17, 1946, Serial No. 677,391
3 Claims. (Cl. 73—342)



1. In electrical measuring apparatus, the combination comprising a housing, a Wheatstone bridge circuit within said housing, said circuit including resistances, an indicating instrument, a source of energy within said housing and a variable resistance in series therewith, a test resistance within said housing connected in said bridge circuit, a plug-in connector mounted on said housing for connecting said circuit to a plurality of external resistances, said source of energy being connected to said plug-in connector for connection to said Wheatstone bridge circuit when said external resistances are connected to said plug-in connector, and a plurality of switches

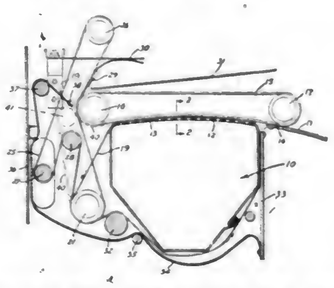
carried by said housing connected to said connector and to said test resistance for simultaneously disconnecting said test resistance and selectively connecting each of said external resistances to said bridge circuit.

2,457,752
ADJUSTABLE LAMP FOR TILTABLE BEDS
Don Carlos Travis, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application November 12, 1947, Serial No. 785,222
7 Claims. (Cl. 248—274)



1. A lamp adapted for adjustable association with a pair of relatively movable members and comprising, a lamp post, means for hinging said post on one of said members, and means connecting said post to the other of said members whereby a relative movement of said members will automatically alter the angularity of said post with respect to said one member.

2,457,753
CONVEYING MEANS FOR DRY PRINTING MACHINES
Frederick Otto Trump, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application May 14, 1947, Serial No. 747,898
6 Claims. (Cl. 95—89)

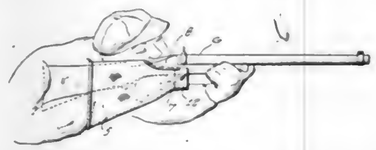


1. In a dry developing machine, the combination of a tank for developing vapors, said tank having a perforated, developing portion through which the said vapors pass, a plurality of channels in the said perforated developing portion of the tank in parallel spaced relation and extending in the direction of travel of material to be developed, a flexible vapor confining and material advancing sleeve overlying the perforated portion of the tank and movable relatively to the surface thereof, a plurality of endless mesh strips cooperating with said vapor confining means to advance the sensitized material to be developed past the developing portion of the tank, each said strip being guided within a channel and having a thickness slightly greater than the depth of the channel so as to support the sensitized material and to lessen the contact pressure between it and the tank surface area intermediate the channels, and means for driving said mesh strips at substantially the same speed as the said sleeve.

2,457,754
PROCESS OF EXTRACTING DIASTASE
Irwin W. Tucker and Arnold K. Balls, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application April 22, 1943, Serial No. 484,080
3 Claims. (Cl. 195—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

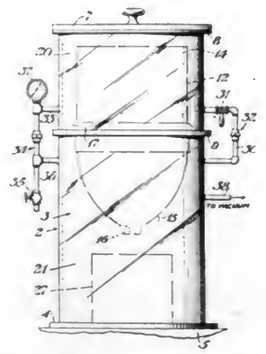
1. A process of extracting diastase from wheat grain products, comprising treating a wheat grain product with a neutralized aqueous solution of a sulphite salt, at a temperature below that which destroys enzymes, thereby to cause liberation of the diastase in water-soluble form, and recovering the liquid containing the diastase from the treated product.

2,457,755
FINGER PROTECTOR FOR TRIGGER HANDS
Walter Ugazio and Edward C. Boccafogli, Clifton, N. J.
Application December 11, 1946, Serial No. 715,376
2 Claims. (Cl. 42—1)



1. A finger protector for trigger hands on a gun having a trigger and breech mechanism, comprising a sleeve cover having ends and adapted to be formed into conical shape about the gun, slide fastener means securing the ends of the cover together and releasable to permit the disposing of the sleeve upon the gun, a U-shaped metal clamp open at the top and embedded in the cover material at the forward end of the sleeve cover, said cover when the ends are joined providing for a longitudinally extending slot at the forward end of the cover and extending from the free end of the U-shaped clamp and adapted to allow the breech mechanism of the gun to project therethrough and to allow the clamp to be located ahead of the gun trigger and screw means extending through the free ends of the clamp to bring the same into clamping engagement with the sides of the breech mechanism, said cover depending downwardly from the gun sufficiently to permit the extension of the arm and hand of the user of the gun so that the finger can be located about the trigger and whereby the same will be protected against the cold.

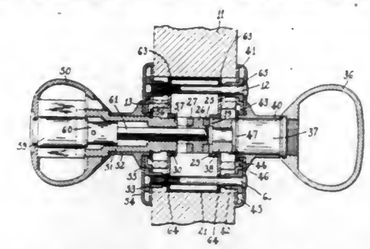
2,457,756
VACUUM APPARATUS FOR INVESTMENT OF PATTERNS
Joe R. Vest, Phoenix, Ariz.
Application February 24, 1947, Serial No. 730,386
2 Claims. (Cl. 22—36)



2. Apparatus for the investment of patterns in flasks by plaster mold composition whereby occluded gases are removed from said mold composition and from the surfaces of said flask and pattern, comprising, in combination, a vacuum chamber composed of a cylinder having an open top and bottom, a removable lid fitted to close its top, and a supporting pad adapted to close its bottom, and having an inner annular shelf attached to its inner wall approximately midway of its height; a flexible cylindrical mold composition container having an annular flange approximately midway of its height, adapted to removably fit within said annular shelf with said flange sealing thereon whereby it is supported in said chamber and said chamber is divided into upper and lower compartments; the walls of said flexible container converging at the bottom and terminating in a slitted star-shaped boss forming a resilient plaster discharge valve; a pattern investing flask positioned in said lower compartment below said plaster discharge valve; a tube adapted to be connected to a vacuum pump inserted in said vacuum chamber and opening into the said lower compartment thereof; a tube closable by a valve leading from said lower compartment to said upper compartment of said vacuum chamber, and a tube closed by a valve attached to said vacuum chamber and opening into said upper compartment.

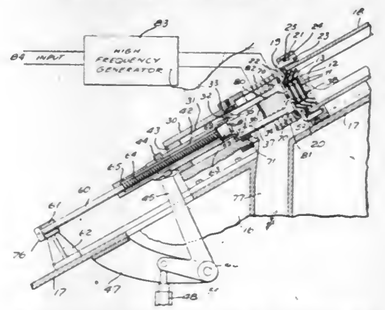
2,457,757
LOCK
Henry G. Voight, Hamden, Conn., and Samuel Oxhandler, Flushing, N. Y., assignors to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application August 6, 1945, Serial No. 609,182
4 Claims. (Cl. 70—144)

1. A door lock comprising a case having mounted therein a bolt and bolt-retracting mechanism, escutcheon plates at each side of the case, knobs rotatably mounted in said escutcheon plates and having shank portions entering the case and there operatively engaging said retracting mechanism, means securing said escutcheon plates to the case in definite relation thereto to insure proper alignment of the knobs with the retracting mechanism, said means comprising sleeves secured to the escutcheon plates, said case having openings to receive said sleeves, a face plate secured to the case, said face plate



having rearwardly directed flanges, and the forward edges of said escutcheon plates overlapping the rear edges of said flanges.

2,457,758
CAPPING MACHINE FOR FEEDING CAPS THROUGH A HIGH-FREQUENCY HEATING COIL
Herbert G. Vore, Forest Hills, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application October 30, 1944, Serial No. 561,060
5 Claims. (Cl. 226—88.1)

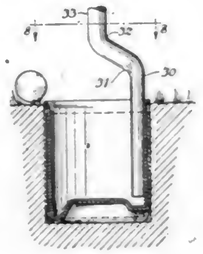


5. A machine for applying to containers and heat-sealing thereon preformed hood caps having foldable pleated skirts carrying a thermoplastic adhesive coating and having an electrically conductive character at least in the region of said coating, said machine including a magazine containing a supply of said caps, a coil of a size to allow said caps to pass therethrough, means to remove successive caps from said magazine and feed said caps in succession through said coil, and a source of high frequency energy connected to said coil to establish a high frequency electromagnetic field therein whereby the conductive regions of the caps passing through said coil will absorb electromagnetic energy in amounts sufficient to heat said adhesive to plasticizing temperatures.

2,457,759
GOLF CUP
George F. Wales, Kenmore, N. Y.
Application May 26, 1944, Serial No. 537,423
4 Claims. (Cl. 273—34)

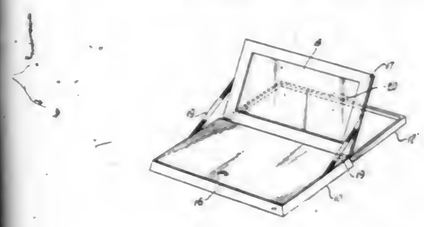
1. A golf ball receptacle for a hole in a putting green comprising a cup having a cylindrical wall extending to within a short distance of the ground level and a closed bottom formed inwardly to provide an annular well between the

cylindrical wall and said bottom and a removable internal cup having walls the full depth of the hole and being shaped to fit closely into said



outer cup in such manner that the volume of space between the inner wall of the outer cup and the outer wall of the inner cup is less than the volume of said annular well.

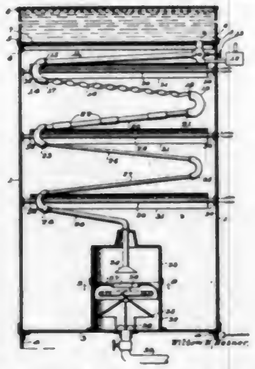
2,457,760
COMBINED DISPLAY AND SERVICE TRAY DEVICE
Carl Weissman, Bronx, N. Y.
Application March 7, 1945, Serial No. 581,389
2 Claims. (Cl. 312—149)



1. A combined display and service tray device for use on a sales counter or show case of a jewelry store, said device comprising two principal sections, one section comprising a shallow hollow base having a fabric covered display platform, the other section comprising a thin cover for said platform hinged thereto and provided with means to limit its opening movement to an arc of more than ninety degrees but less than one hundred and forty degrees, the inner surface portion of said cover comprising a reflector, in combination with a shallow tray located in said hollow base and movable outwardly therefrom to a position beneath the cover, when in open position, to enlarge the supporting base of the device.

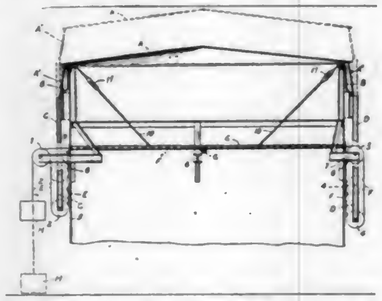
2,457,761
IRRADIATION OF LIQUIDS USING ULTRAVIOLET LIGHT
Wilton W. Wesner, Rancocas, N. J.
Application December 8, 1944, Serial No. 567,237
2 Claims. (Cl. 250—49)

2. Irradiation apparatus comprising a plurality of light penetrable rectilinear tubes, one above the other, at least one of said tubes being of flattened cross-section and spirally twisted, tubular means connecting the adjacent ends of said tubes to conduct substances therethrough continuously downwardly, and ultra-violet ray lamp means



located and disposed to treat the said substance in its passage through the tubes.

2,457,762
BALANCER OR LEVELING MECHANISM FOR GASHOLDERS
John H. Wiggins, Chicago, Ill.
Application December 13, 1945, Serial No. 634,806
3 Claims. (Cl. 48—176)

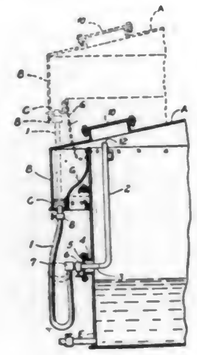


1. A gas holder, comprising a stationary tank, a vertically-movable bell, a pair of flexible members attached to opposite ends of a diameter of the tank, a double wheel mounted on the tank side wall and provided with a wide traction surface over which both of said flexible members travel side by side, a weight attached to both of said flexible members at a point beyond said double wheel and disposed so as to hold both of said flexible members taut and in tight frictional engagement with said double wheel, and vertically-movable guide wheels on the bell, under which said flexible members travel before converging at said double wheel.

2,457,763
CONDENSATE DRAINAGE MECHANISM FOR FLUID STORAGE APPARATUS
John H. Wiggins, Chicago, Ill.
Application August 17, 1946, Serial No. 691,309
10 Claims. (Cl. 48—176)

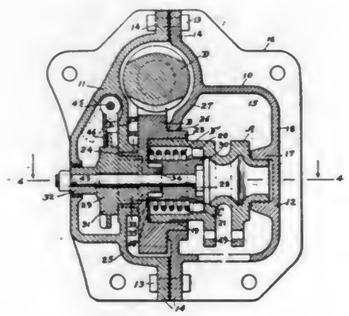
1. A liquid storage apparatus, comprising a storage tank, a vertically-movable roof that extends beyond the side wall of said tank, a reservoir mounted on said roof so as to receive condensate that drains from the peripheral portion of the roof, a flexible sealing element between

said roof and tank disposed so that condensate on said sealing element will drain into said reservoir, a condensate drain attached to said reservoir and tank for conducting condensate from said reservoir into the interior of the tank, said



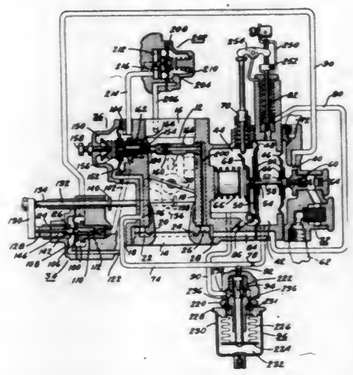
drain having provision for providing for the vertical movement of the roof, and an automatically-operating means for preventing liquid in the tank backing up through said drain and entering said reservoir.

2,457,764
HAND BRAKE
Keith Williams, Buffalo, N. Y.
Application August 7, 1946, Serial No. 688,858
5 Claims. (Cl. 74—505)



1. In a hand brake mechanism, the combination with a rotary chain-winding member; of a rotary driving member; a sliding, shiftable clutch element rotatable with said driving member and having clutching engagement with said chain-winding member; a ratchet wheel fixed to said clutch element for rotation and sliding movement in unison therewith; a pivoted pawl freely swingable in one direction to ratchet over said wheel; means for blocking said pawl against swinging in a reverse direction; and cam means on said ratchet wheel engageable with said pawl in its blocked condition for shifting said ratchet wheel and clutch element to disengage the latter from the winding member when the clutch element is rotated in chain-unwinding direction.

2,457,765
CARBURETOR
Albert H. Winkler, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 31, 1943, Serial No. 496,896
5 Claims. (Cl. 261—69)

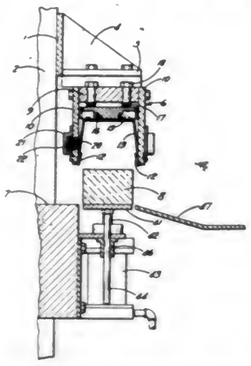


4. In a charge forming device: a throttle-controlled air-intake passage having a venturi therein anterior the throttle, a fuel conduit leading from a source of fuel under pressure and terminating in a fuel-discharge nozzle located in said passage, a fuel-metering restriction in said conduit, means for regulating the pressure of fuel upstream of said restriction, means for regulating the pressure of fuel downstream of said restriction independently of upstream pressure thereof including a valve controlling flow of fuel to said nozzle and spring-pressed toward closed position and subjected in a valve-opening direction to the pressure of fuel downstream of said restriction and to Venturi suction; said discharge nozzle having an emulsion chamber receiving liquid fuel from the fuel conduit at pressures determined by said valve, a discharge passage communicating the emulsion chamber with the air-intake passage posterior the throttle, and means for supplying air to said emulsion chamber, said discharge passage being calibrated in a manner such as to limit the suction effect on the emulsion chamber to a critical maximum so that under certain conditions of operation, for example, at partly or fully closed throttle when Venturi suction is at a low value and posterior throttle suction is high, the disturbing effect of intake passage suction on the said valve and hence on the fuel-air ratio will be minimized.

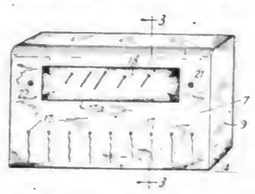
2,457,766
APPARATUS FOR APPLYING METAL CASES TO BRICKS
Clair I. Young, Pittsburgh, Pa., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 9, 1947, Serial No. 753,583
15 Claims. (Cl. 18—1)

1. Apparatus for applying a channel shape sheet metal case with downwardly extending flanges to a refractory brick that is wider than the space between the lower edges of the flanges, comprising a pair of substantially parallel tracks adapted to support the lower edges of the flanges of such a case and to project a short distance up into it, said tracks being spaced apart farther than the upper portions of the case flanges, means for pushing a case lengthwise onto said tracks to

spring the case flanges outwardly into downwardly diverging position, and means adapted to lift a refractory brick up between the diverging flanges high enough to lift them out of engagement with said tracks, whereby the flanges will spring inwardly against the sides of the brick and the encased brick can be lowered between the tracks.



2,457,767
COMBINED SEWING CASE AND PINCUSHION
John A. Zampino, Brooklyn, N. Y.
Application February 15, 1946, Serial No. 647,797
2 Claims. (Cl. 223—107)



1. A one piece metal sewing cabinet, comprising a base, and a body having end walls, a front wall and a top wall connected to the base to provide an open rear for the cabinet, the top wall having a pendant flange with mounting notches, the front wall of the cabinet having a window opening, a board having an outwardly swelled pin cushion snugly projecting through said opening with the board disposed against the rear side of said front wall, screws demountably connecting the ends of the board to the front wall to hold said cushion under pressure in said window opening, said front wall having a series of thread delivering openings, and means carried by the base for holding a plurality of thread spools for rotation in line with said thread openings.

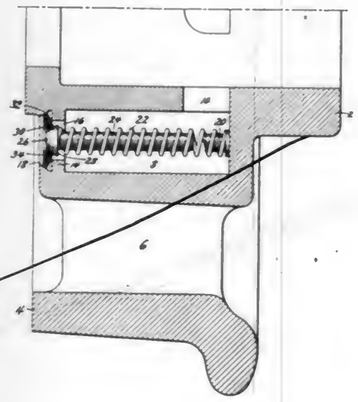
2,457,768
STYRENE-OIL SOLUBLE NATURAL RESIN-DRYING OIL INTERPOLYMER
James A. Arvin, Homewood, and Wayne B. Gitchel, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 19, 1945, Serial No. 589,266
18 Claims. (Cl. 260—23)

13. An interpolymer of styrene, an oil-soluble natural resin containing a free carboxylic acid group and having an acid value of at least 30 and 5% to 35% by weight of said interpolymer of a drying oil, interpolymerized at temperatures within the range of 300° F. to 550° F., the weight ratio of the resin to styrene being within the range of 1:1 to 9:1.

2,457,769
RESINOUS ESTERS OF POLYHYDRIC ALCOHOLS WITH POLYMERS OF STYRENE AND RESIN ACIDS AND METHOD FOR PREPARATION THEREOF
James A. Arvin, Homewood, and Wayne B. Gitchel, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 30, 1945, Serial No. 613,702
14 Claims. (Cl. 260—23)

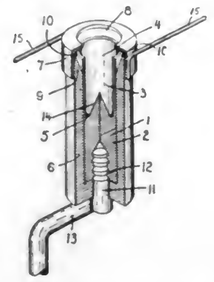
12. A resinous ester of a polyhydric alcohol and a copolymer of styrene and an oil soluble natural resin having an acid number of at least 30, the weight ratio of said resin to styrene being within the range from 2:1 to 9:1 and the copolymer being formed at a temperature within the range of 300 degrees F. to 550 degrees F.

2,457,770
LUBRICATING DEVICE
Fred J. Bogard, Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 18, 1943, Serial No. 502,898
5 Claims. (Cl. 308—109)



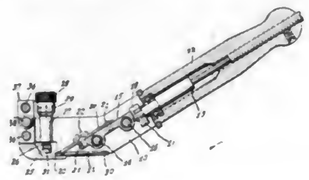
1. The combination with a wheel, of a lubricating device therefor comprising, a reciprocatory valve member mounted in a lubricant receiving cavity in the wheel, a ledge overhanging and partially closing the outer end of said cavity, a truncated conical surface overhanging said ledge, and an outwardly opening cupped disc closing in part the lubricant receiving cavity and bearing on said truncated conical surface and ledge to lock the disc in the wheel, said disc being formed with a valve seat adapted to be engaged by said valve member to seal said cavity against escape of lubricant.

2,457,771
CRATER LAMP
George H. Bouchard, Ipswich, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application January 2, 1947, Serial No. 719,852
2 Claims. (Cl. 176—122)



1. A luminous crater electrode comprising a hollow, electron-emitting metal cylinder closed at one end only, and a conical projection extending upward inside the hollow cylinder from said closed end.

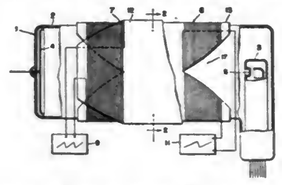
2,457,772
SURGICAL INSTRUMENT FOR SKIN GRAFTING
Harry M. Brown, Indianapolis, and Milford Barron, Anderson, Ind.; Irene Brown administratrix of said Harry M. Brown, deceased, assignors to Irene Phillips Brown, Indianapolis, Ind.
Application August 25, 1947, Serial No. 770,360
13 Claims. (Cl. 128—305.5)



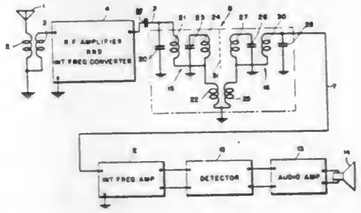
1. A dermatome comprising a hand-holdable frame having a foot-plate to bear against the skin, a knife mounted in said frame to oscillate transversely therein and having a cutting edge in front of and substantially in the plane of said foot-plate, a shaft rotatably mounted in said frame and having a driving connection to said knife to oscillate the latter, and a pressure-plate mounted on said frame to engage the skin in front of the knife, the skin-engaging face of said foot-plate being provided with parallel ribs transverse to the cutting edge of the knife.

2,457,773
DEFLECTING COIL
Madison Cawein, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application May 24, 1944, Serial No. 537,137
8 Claims. (Cl. 175—21)

1. A magnetic deflecting element including a coil and a cylindrical form, said form being notched at each end thereof, said coil consisting of a winding having its longitudinal conductors disposed on one surface of the form, the lateral end conductors being wound through each notch and about the other surface of the form.



2,457,774
INDUCTIVELY COUPLED BAND-PASS FILTER
Madison Cawein, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application October 30, 1944, Serial No. 561,063
8 Claims. (Cl. 178—44)



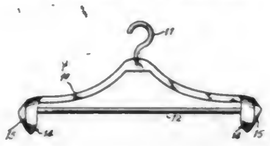
6. A composite band pass filter comprising two identical filter sections, each of said filter sections including two identical resonant circuits, each of said resonant circuits having a capacitance element and an inductance element connected in parallel and another inductance element connected in series therebetween, said series inductance element being common to two of said circuits for providing a self-inductive coupling therebetween, said two common inductance elements being optimum-coupled to each other with a mutual inductive coupling therebetween to provide for a broad-band substantially flat response, means for supplying an input signal across a capacitance element of one of said filter sections, and means for deriving an output signal across a capacitance element of the other one of said filter sections.

2,457,775
MANUFACTURE OF GLASS FIBERS
Paul Ebaugh, Cambridge, Mass., assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
No Drawing. Application October 27, 1943, Serial No. 508,091
8 Claims. (Cl. 49—77)

1. In the method of making glass fibers in which streams of molten glass are continuously flowed from a supply of molten material, the streams are continuously attenuated into fibers at lineal speeds at least as high as about 10,000 feet per minute, and the fibers are continuously collected into a wound package as they are attenuated, the step of applying to the fibers after they are formed but in advance of their collection into the package a fiber-coating material containing a resin and a combination of a solvent for the resin and a non-solvent for the resin, the non-solvent having a lower volatility than the solvent, the solvent and non-solvent being in such proportions that

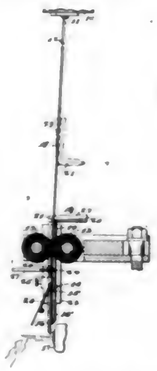
the resin will coagulate upon evaporation of at least a part of the resin solvent subsequent to application of the material to the fibers and prior to collection of the fibers with the attendant coagulation of the resin to protect the fiber surfaces.

2,457,776
GARMENT HANGER
Harry Goldlust, New York, N. Y.
Application August 16, 1946, Serial No. 691,043
1 Claim. (Cl. 223—92)



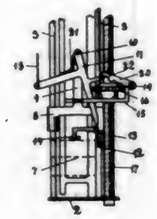
In a coat hanger, a shoulder-supporting member adapted to extend interiorly of a coat between the arm holes thereof and a pair of rigid shoulder-shaping members, carried one at each end of said supporting member; each of the shoulder-shaping members comprising a body presenting a pair of intersecting convex-curved surfaces whose line of intersection is an inverted U-shaped edge on said body; the downwardly extending portions of said edges being positioned to lie respectively along the front and back of the interior of the coat along substantially what would constitute the respective junction lines of the arms and torso of a wearer of the coat and the most remote of said surfaces on the shoulder-shaping members, being in downwardly, outwardly divergent relation; the coat being adapted to be supported on the said remote surfaces and along and on said respective edges, whereby the coat assumes the shape it has when worn.

2,457,777
APPARATUS FOR GUIDING AND THREADING FIBERS
William F. Holtschulte, Newark, and Samuel D. Philipps, Granville, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application April 7, 1945, Serial No. 587,064
9 Claims. (Cl. 49—17)



6. Fiber producing apparatus comprising a feeder having a plurality of laterally spaced orifices for flowing a corresponding number of streams of glass to form filaments, means for continuously drawing the filaments, a guide having channels therein associated with said drawing means including a removable device having angularly extending grooved guide and comb portions, said guide portion having filament receiving grooves spaced laterally from each other distances which are somewhat less than the spacing between the orifices and in alignment with said channels, and said comb portion having filament receiving grooves which diverge from the receiving ends of the grooves in the first portion and are spaced from each other at the free ends distances which correspond to the spacing between the orifices.

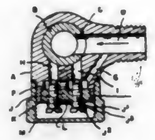
2,457,778
COMMODITY DELIVERY DEVICE FOR COIN-FREED APPARATUS
Axel Jørgensen, Aalborg, Denmark
Application October 2, 1945, Serial No. 619,757
In Denmark November 19, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 19, 1961
3 Claims. (Cl. 312—63)



3. In an article delivery device for a coin-freed apparatus, the combination of a number of vertical spacing rods between two horizontal end plates, a platform slidable on the spacing rods, a bell crank lever pivotally mounted on the platform and adapted to be actuated out of its inactive position, a member secured to the lever in position to eject the uppermost article of a stack of articles when the lever is actuated, a presser foot on the lower end of the lever and adapted to rest upon the uppermost article in the stack, an extension on the platform, a vertical threaded spindle rigidly fixed to the end plates and passing through the extension, an internally threaded ratchet wheel mounted on the spindle and disposed within the extension, a pawl pivoted on the extension and disposed to engage and lock the ratchet wheel during the actuation of the lever while ejecting the uppermost article, and a lug on the lever for raising the pawl out of engagement with the ratchet wheel upon the return movement of the lever to its inactive position to permit said platform to be lowered and the presser foot of the bell crank lever to contact the uppermost article of the stack.

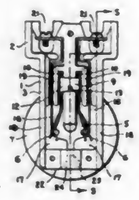
2,457,779
GAS COCK
William S. Kincaid, Detroit, Mich., assignor to The Roberts Brass Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 25, 1944, Serial No. 555,683
9 Claims. (Cl. 277—66)

5. In a valve of the character described, a valve body having a valve chamber for the reception of a rotary valve, an inlet passage and a plurality of ports spaced circumferentially around said chamber, an outlet passage leading from said chamber, an outwardly open recess in said body at the outer ends of said spaced ports, a by-pass between said inlet passage and said recess, a removable closure plate for said recess, means carried by said plate for controlling said spaced



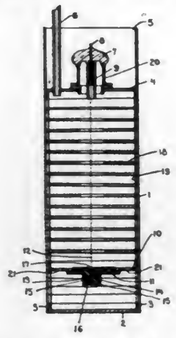
passages, and a rotary valve in said chamber having a port adapted to register with said inlet passage and alternately with said spaced ports.

2,457,780
SOCKET FOR GASEOUS DISCHARGE LAMPS
Solomon Levenson, Marblehead, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application August 16, 1944, Serial No. 549,752
4 Claims. (Cl. 200—51.09)



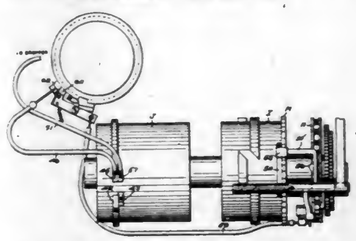
1. A socket for supporting and conducting electrical energy to a fluorescent lamp having spaced contact pins comprising a unitary frame of insulating material presenting an attaching base portion and an upright column portion, a recess in said upright opening away from said base portion and closed at its bottom, a slot extending from the recess to the top end of said frame through which said pins are passed to enter the recess, the surface of the top end of the socket being spaced from the said recess a distance slightly greater than the space between said pins whereby the lamp cannot be inserted in the socket with one pin outside, a conductor member anchored in said frame having a pair of spring contact members extending into said recess in position to be engaged and sprung outward by said pins when a lamp is put into the socket, at least one additional conductor anchored at one end and at its other end extending into the path of said extensions on said first named conductor and means for connecting said second named conductor to a source of electric current.

2,457,781
RAY COUNTER
Herbert Metten, Boston, and Frederic Koury, Somerville, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application January 2, 1948, Serial No. 94
8 Claims. (Cl. 250—27.5)



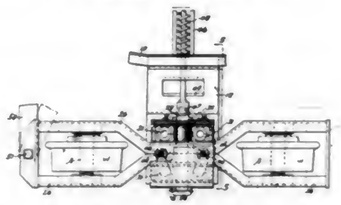
1. In a ray counter tube having a gas filling and an anode, a cathode comprising a bismuth-plated annular metal disc.

2,457,782
HOSIERY KNITTING MACHINE
Eugene O. Nadon, Northfield, Vt., assignor to Vermont Hosiery and Machinery Co., Northfield, Vt., a corporation of Vermont
Application May 25, 1946, Serial No. 672,187
11 Claims. (Cl. 66—14)



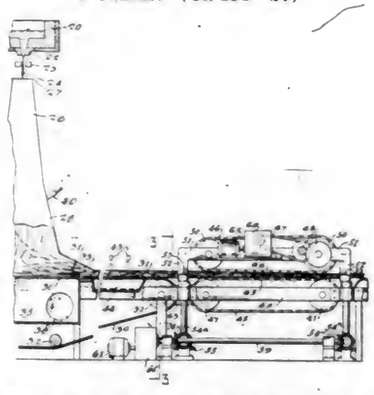
1. In a knitting machine of the type including upper and lower cylinders supporting needles for transfer from one to another and operating instrumentalities associated with them to produce automatically circular hosiery having heel and toe pockets and to knit ribbed, plain and welt leg fabrics and to change automatically from one style of knitting to another, said instrumentalities including a pattern mechanism comprising a swivel cam, a cam drum and at least three sets of needle operating sliders having different lengths of butts; a construction including special cam elements in said pattern mechanism, and connections actuated by them for operating the swivel cam of the machine at an abnormal point in the cycle of operations of the machine to lift out of action two of said sets of needles and to produce on the remaining needles, by reciprocating knitting, a gradually widened section in the stocking immediately above the heel pocket, the pattern mechanism being constructed and arranged to restore the needle arrangement to a condition normal at the start of the regular heel immediately after completing said widened section, and then to proceed with the knitting of the heel pocket in the normal manner.

2,457,783
LATERAL SHIFTING CASTER TRUCK
Robert A. Shields, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application December 10, 1943, Serial No. 513,694
11 Claims. (Cl. 105—179)



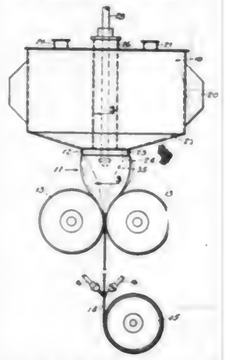
2. In a car adapted to travel along track having curves therein, the combination with a car body of, body bearing members connected to the car body adjacent each side thereof, laterally spaced trucks swingable relative to the car body to permit travel of the body around curves in the track, truck bearing members carried by said trucks and engaging said body bearing members to support the car body, and guide means carried by one of said members and cooperating with curved slots in the other of said members to increase the truck gauge during swinging of the trucks on track curves.

2,457,784
APPARATUS FOR FELTING FIBROUS GLASS
Games Slayter, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Original application January 6, 1940, Serial No. 312,730, now Patent No. 2,331,145, dated October 5, 1943. Divided and this application September 8, 1943, Serial No. 501,733
9 Claims. (Cl. 154—27)



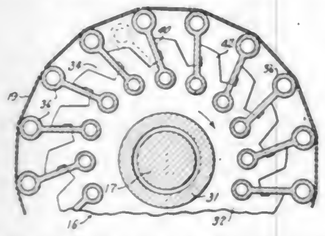
1. Apparatus for forming a coherent mass of interfelted glass fibers which comprises, a conveyor having a mat-supporting surface disposed in a plane, means for continuously moving said conveyor in its plane and thereby continuously advancing a mat supported thereon, liquid applying means in advance of said conveyor for applying a liquid to the mat as it advances to thoroughly impregnate the mat, and means for interfelting the fibers of the liquid-impregnated mat by causing short relative movements between opposite faces of the mat including a member having a mat-contacting surface supported in spaced relation with the said surface of the conveyor and in engagement with the surface of the mat and means for moving the mat-contacting surface of said member relative to the mat-supporting surface of the conveyor in the direction of travel thereof.

2,457,785
APPARATUS FOR MAKING GLASS FILM
Games Slayter and Henry Snow, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application August 18, 1944, Serial No. 550,117
6 Claims. (Cl. 49—17)



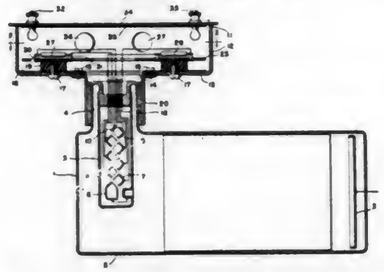
3. Apparatus for forming glass film comprising a container for molten glass, an annular flange depending from the bottom wall of said container, means for flowing the glass from said container and over the inner surface of said flange and from the lower edge of the flange as a thin-walled hollow stream, means spaced from said flange in the direction of stream flow adapted to flatten the stream and seal the interior thereof from the atmosphere, and means for introducing air into the hollow stream that is between said flange and said means to flatten the stream to thereby form a bubble in the stream adjacent the lower end of the flange.

2,457,786
APPARATUS FOR WINDING STRANDS
Games Slayter, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application December 22, 1945, Serial No. 636,985
9 Claims. (Cl. 242—111)



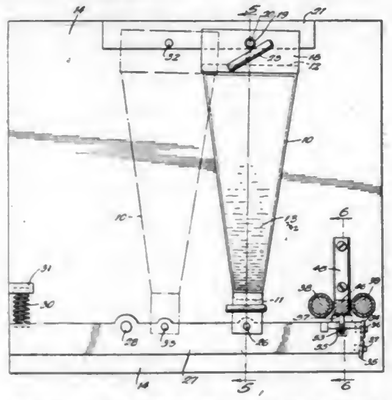
1. An apparatus for winding strand material to form a package comprising, a rotatable spindle including a hub having annular radial flanges thereon provided with radially extending substantially V-shaped slots, blades pivotally connected at each end to said flanges adjacent the apex of said slots and movable on an arc within said slots, said blades having rounded outer edges lying at all times wholly without the circumference of said flanges and adapted to receive and support thereon a flexible tube on which the strand is wound, and means for rotating said spindle to swing said blades into contact with said flexible tube.

2,457,787
POTENTIAL DIVIDER
John A. Stagnaro, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application June 2, 1944, Serial No. 538,499
5 Claims. (Cl. 250—175)



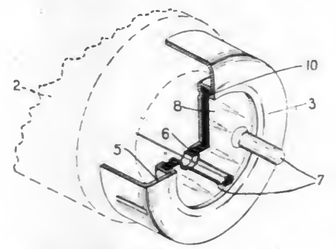
1. An electron tube assembly comprising an envelope containing therein an electron multiplier, and a potential divider permanently mounted on said envelope adjacent said multiplier and having electrical characteristics matched to those of said multiplier, said divider comprising a plurality of series-connected resistors, each of which is matched with and connected to one or more stages of said multiplier.

2,457,788
FILM EXTENSIBILITY TESTING METHOD AND APPARATUS
Johannes A. Van den Akker, Appleton, Wis., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application September 29, 1945, Serial No. 619,387
9 Claims. (Cl. 73—150)



1. A method of ascertaining the extensibility of a film of paint, lacquer, adhesive, or similar material, which comprises applying a relatively thin film of said material to the surface of a relatively thick extensible base having ends to which tension may be applied and having a tapering cross section in a zone between said ends, and applying to said base through said ends a force adapted to effect a predetermined amount of extension of said base within its elastic limit, whereby said film at different points in said zone is subjected to an amount of pull per unit of its cross sectional area at any of said points which varies inversely in accordance with the cross section of the base at said point, and whereby said film may be caused to develop transverse fractures at points of inferior cross section in said zone while elsewhere maintaining its integrity.

2,457,789
LAMP BASE
Waldemar H. von Scheven, Andover, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application January 30, 1947, Serial No. 725,198
2 Claims. (Cl. 176—32)

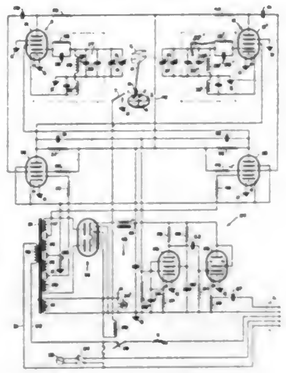


1. A base for tubular lamps comprising a drawn metal cup shaped body having its skirt portion extending over the end of the lamp and presenting a substantially flat bottom said bottom having an offset portion connected to the bottom by a cylindrical side wall to form a chamber, a flat rigid disc of insulating material received in said chamber, a plait in said side wall extending over the peripheral portion of the outer face of said disc, at least one lamp pin fixed in said disc, said offset portion having apertures therein in line with said pins to provide an insulated path for the lamp lead wires through the metal of the cup.

2,457,790
APPARATUS FOR SEQUENTIALLY KEYING AND CONNECTING A PLURALITY OF OSCILLATORS TO A COMMON OUTPUT CIRCUIT
Rudolf F. Wild and Fred J. Curran, Philadelphia, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 6, 1945, Serial No. 620,829
7 Claims. (Cl. 250—27)

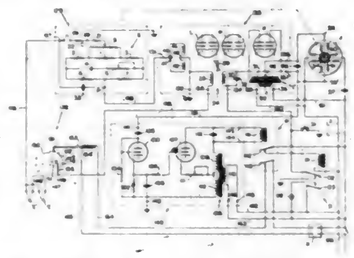
5. In an electrical system including two oscillation generators each having an output circuit and an input circuit for adjusting the oscillation generator to its oscillating and non-oscillating condition in response to a keying signal, an electron discharge device having an output circuit and a pair of input circuits, means to impress a keying signal on one of said input circuits of said electron discharge device to produce an amplified keying signal in the output circuit of said electron discharge device, means connecting the output circuit of said electron discharge device to the input circuit of one of said oscillation generators, and means connect-

ing the output circuit of the other of said oscillation generators to the other input circuit of said



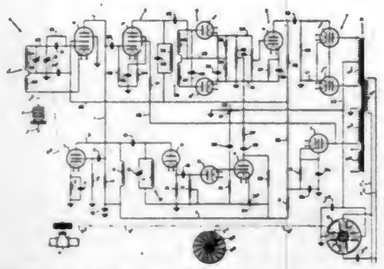
electron discharge device for transmission of the applied oscillation signal to a utilization circuit.

2,457,791
SAFE FAILURE MEASURING AND CONTROLLING APPARATUS
Rudolf F. Wild, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 21, 1946, Serial No. 678,255
13 Claims. (Cl. 318—20)



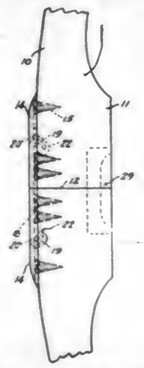
8. Measuring and control apparatus of the type comprising an electronic amplifying device having an input circuit and an output circuit, a measuring device connected to said input circuit and responsive to variations in the value of a variable quantity and adapted on a change in said quantity to impress a relatively low frequency electric signal indicative of said change on said input circuit, and a control device connected to said output circuit and actuated by and in accordance with said low frequency signal, and in combination with said apparatus, means coupling said input and output circuits to transfer energy from said output circuit to said input circuit and thereby impress a relatively high frequency signal on the relatively low frequency signal impressed on said input circuit, standby means adapted to replace at least one of said devices, switching means operative upon the development of a defect in one of said devices to disconnect said one device from said apparatus and to replace said defective device with said standby means, and means responsive to the disappearance of said high frequency signal in the output circuit of said amplifying device to actuate said switching means.

2,457,792
ANTIHUNTING MOTOR CONTROL CIRCUIT
Rudolf F. Wild, Philadelphia, Pa., and Lloyd B. Cherry, Abilene, Tex., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 21, 1946, Serial No. 678,257
28 Claims. (Cl. 318—28)



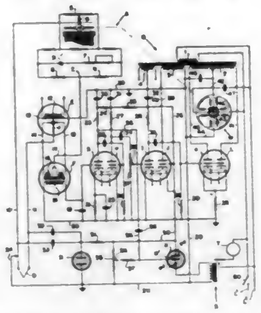
11. The combination in a self-balancing system of an electronic amplifying and motor drive network, means responsive to unbalance of said system for impressing on said network an alternating current motor drive signal having a magnitude and phase respectively dependent on the magnitude and direction of system unbalance, a rebalancing motor normally operated by said network in accordance with the magnitude and phase of said signal, and motor damping mechanism comprising an electron discharge device biased to cut-off and adapted when conductive to impress on said network a damping signal opposite in phase to said motor drive signal, balance anticipating means, and an associated differentiating network through which said anticipating means makes said electron discharge device momentarily conductive as system balance is approached.

2,457,793
TAKEDOWN BOW
Fred B. Bear, Detroit, Mich.
Application April 18, 1945, Serial No. 589,041
2 Claims. (Cl. 124—23)



2. A takedown bow split transversely at the handle, and means for connecting the upper and lower limbs comprising small substantially flat plates fastened to such limbs on the outer surface thereof, each of the plates having a hook receiving recess, and a small flat strap having hook ends detachably received in the recesses of the plates, the strap overlying adjacent portions of both of said plates, and means for securing the strap rigidly to one of the plates.

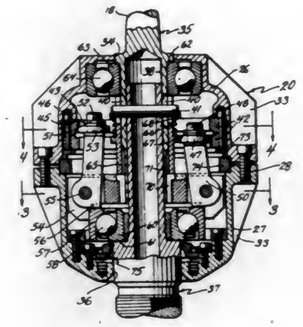
2,457,794
FAILURE INDICATING CONTROL APPARATUS
Herbert A. Clarke, Merion, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 21, 1946, Serial No. 678,254
17 Claims. (Cl. 318—28)



1. A self-balancing measuring and control apparatus combination, comprising a normally balanced circuit network, a thermocouple having terminals connected to said network for measurement of its voltage, and unbalancing the network on a change in its voltage, a reversible motor operable to rebalance said circuit when unbalanced, an amplifier including an input circuit and an output circuit and electronic valve amplifying means connected between said input and output circuits, said motor having a control winding connected to said output circuit, amplifier energizing means for supplying alternating current to said amplifier, and means impressing on said input circuit an alternating current, rebalancing signal which is of the same frequency as said current and varies in magnitude in predetermined proportion to the extent of network unbalance and is dependent in phase on the direction of network unbalance, means associated with said thermocouple and operative on rupture of the latter to impress on said input circuit a second signal differing in character from the first mentioned signal, the last mentioned means comprising a second signal current source having terminals connected to the thermocouple terminals, and means connected to said amplifier and responsive to and actuated by said second signal.

2,457,795
CHIP BREAKING ATTACHMENT FOR DRILLING MACHINES
Milton C. Taylor, Chicago, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application September 17, 1945, Serial No. 616,801
10 Claims. (Cl. 77—5)

1. In a device of the class described having a housing and a drive shaft and a drill carrying driven shaft mounted therein for simultaneous rotation and relative reciprocation, an annular cam member supported upon the housing and having an inside cam path thereon with a relief therein occupying a minor portion of the circumference, a fulcrum member supported upon the drive shaft and rotatable therewith, a lever



mounted upon the fulcrum member and having a follower upon one arm thereof engaging the cam, and means for transmitting movement of the other arm of the lever to the driven shaft whereby the driven shaft is reciprocated axially once each time said follower moves across said relief a distance sufficient to comminute chips developed by the drill when the drill is in cutting position.

2,457,796
METHOD OF FORMING AND ASSEMBLING CONNECTING SLEEVES
Jesse M. White, Philadelphia, Pa.
Application October 10, 1944, Serial No. 558,097
9 Claims. (Cl. 29—155.55)

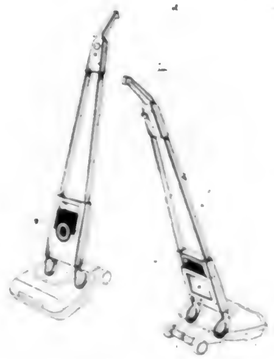


1. The method of assembling a connecting sleeve of the character described which consists in forming an outer insulating sleeve having a bore and carrying a lug extending into said bore forming an inner conducting sleeve of a split construction with a recess intermediate the extremities thereof, constricting said inner sleeve at one end to a greater extent than at the other, and then inserting said constricted end into said outer sleeve, and passing the constricted end past the said lug to cause the latter to be received in said recess.

DESIGNS

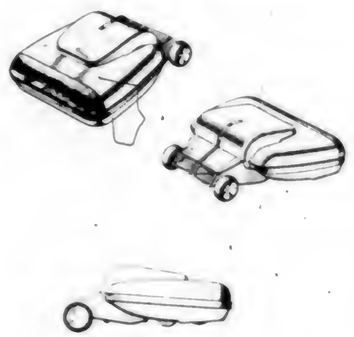
DECEMBER 28, 1948

152,182
DESIGN FOR A VACUUM CLEANER
Herbert S. Barnhart, Scarsdale, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 9, 1948, Serial No. 143,619
Term of patent 14 years
(Cl. D9—2)



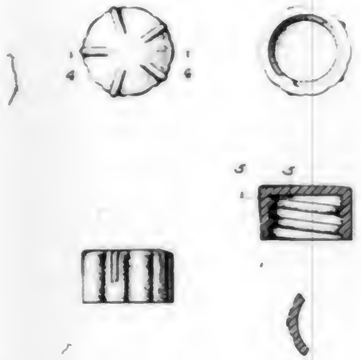
The ornamental design for a vacuum cleaner, substantially as shown and described.

152,183
DESIGN FOR A VACUUM CLEANER CASING
Herbert S. Barnhart, Scarsdale, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 9, 1948, Serial No. 143,620
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a vacuum cleaner casing, substantially as shown.

152,184
DESIGN FOR A CONTAINER CAP
Leonard Baron, Whitestone, N. Y., assignor to Hobar Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 26, 1947, Serial No. 139,925
Term of patent 3½ years
(Cl. D58—26)



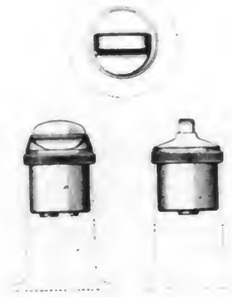
The ornamental design for a container cap, as shown.

152,185
DESIGN FOR A COMBINED TOY SINK, WATER DISPENSER, AND RECEIVER
Herman Barr, New York, N. Y.
Application May 7, 1947, Serial No. 138,891
Term of patent 3½ years
(Cl. D34—15)



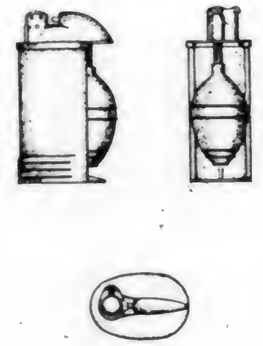
The ornamental design for a combined toy sink, water dispenser, and receiver, as shown.

152,186
DESIGN FOR A SEMIAUTOMATIC TABLE LIGHTER
Prosper W. Buchhart, Closter, N. J.
Application December 16, 1947, Serial No. 143,167
Term of patent 14 years
(Cl. D48—27)



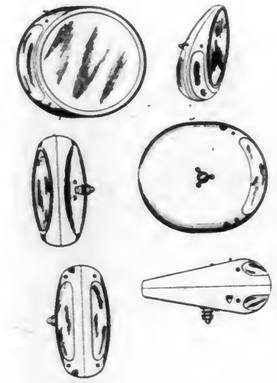
The ornamental design for a semiautomatic table lighter, as shown and described.

152,187
DESIGN FOR A HAND BLOWTORCH
Benjamin Franklin Burnham, Huntington Woods, Mich., assignor to Kerr Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 7, 1947, Serial No. 138,206
Term of patent 3½ years
(Cl. D54—13)



The ornamental design for a hand blowtorch, substantially as shown.

152,188
DESIGN FOR A COMBINED TURN SIGNAL, EXTREMITY MARKER, AND REARVIEW MIRROR
Thomas L. Dalton, Kansas City, Mo.
Application February 26, 1947, Serial No. 137,178
Term of patent 14 years
(Cl. D72—1)



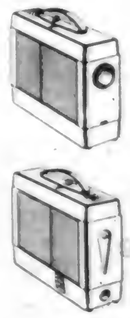
The ornamental design for a combined turn signal, extremity marker, and rearview mirror, as shown.

152,189
DESIGN FOR A COMBINED WRIST WATCH AND STRAP THEREFOR
Gerard B. Desouches, Paris, France, assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application July 18, 1947, Serial No. 140,370
In France March 17, 1947
Term of patent 14 years
(Cl. D42—8)



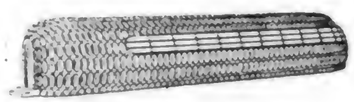
The ornamental design for a combined wrist watch and strap therefor, substantially as shown and described.

152,190
DESIGN FOR A PROJECTOR
Carl R. Diedrich, Chicago, Ill.
Application March 17, 1948, Serial No. 145,188
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a projector, as shown.

152,191
DESIGN FOR A ROADSIDE LUNCHROOM
George Dilts, Davenport, Iowa
Application July 10, 1947, Serial No. 140,179
Term of patent 14 years
(Cl. D13—1)



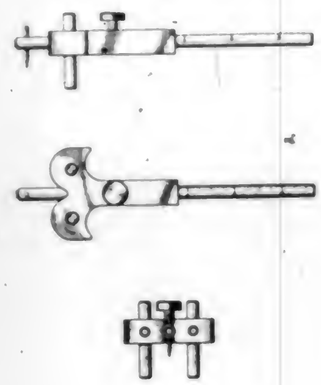
The ornamental design for a roadside lunchroom, substantially as shown and described.

152,192
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application April 7, 1948, Serial No. 145,582
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

152,193
DESIGN FOR A SCRIBER
Clifford A. Duda, Detroit, Mich.
Application April 11, 1947, Serial No. 138,308
Term of patent 3½ years
(Cl. D93—4)



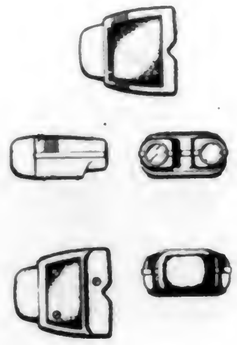
The ornamental design for a scriber, substantially as shown.

152,194
DESIGN FOR AN ASH TRAY
William Forthman, Buchanan, Mich.
Application February 21, 1948, Serial No. 144,659
Term of patent 7 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

152,195
DESIGN FOR A TWIN VISION TRANSPARENCY VIEWER
Richard P. Fuller, Los Angeles, Calif.
Application August 20, 1947, Serial No. 140,955
Term of patent 14 years
(Cl. D61—1)



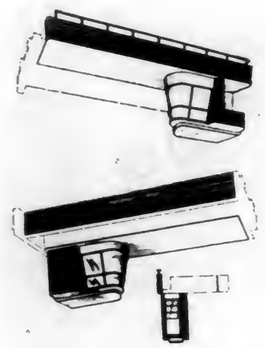
The ornamental design for a twin vision transparency viewer, as shown.

152,196
DESIGN FOR A COMBINATION KEY HOLDER AND BOTTLE OPENER
Arthur R. Glidden, Seattle, Wash.
Application May 23, 1947, Serial No. 139,244
Term of patent 3½ years
(Cl. D17—14)



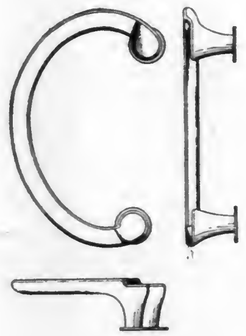
The ornamental design for a combination key holder and bottle opener, substantially as shown.

152,197
DESIGN FOR A BRIDGE CRANE
Folke Malcolm Gustafson and John McLeod Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application November 29, 1946, Serial No. 135,162
Term of patent 14 years
(Cl. D13—1)



The ornamental design for a bridge crane, substantially as shown and described.

152,198
DESIGN FOR A PULL FOR DOORS AND THE LIKE
Daniel C. Hay, Santa Monica, Calif.
Application December 17, 1946, Serial No. 135,568
Term of patent 14 years
(Cl. D10—8)



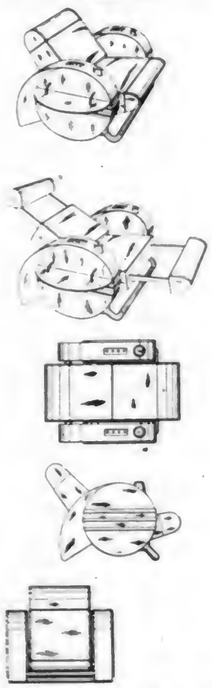
The ornamental design for a pull for doors and the like, as shown.

152,199
DESIGN FOR A COMBINED DIAL AND HANDS FOR A CLOCK
Willard C. Jenkins, Wilmington, Del.
Application March 20, 1947, Serial No. 137,783
Term of patent 7 years
(Cl. D42—10)



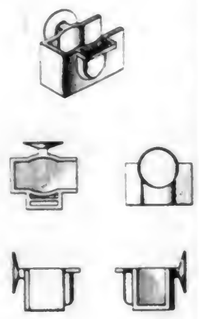
The ornamental design for a combined dial and hands for a clock, substantially as shown and described.

152,200
DESIGN FOR AN ADJUSTABLE LOUNGE CHAIR
Frank J. Luketa, Seattle, Wash.
Application July 14, 1947, Serial No. 140,265
Term of patent 14 years
(Cl. D15—1)



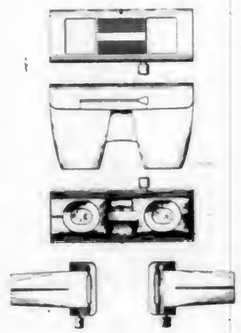
The ornamental design for an adjustable lounge chair, substantially as shown.

152,201
DESIGN FOR A COMBINED CIGARETTE PACK AND MATCH HOLDER
John L. Mack, Sr., Chicago, Ill.
Application October 15, 1947, Serial No. 141,910
Term of patent 14 years
(Cl. D85—2)



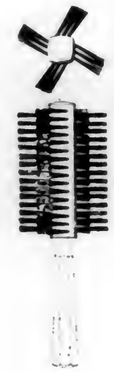
The ornamental design for a combined cigarette pack and match holder, as shown.

152,202
DESIGN FOR A PICTURE VIEWER
Gifford M. Mast, Davenport, Iowa, assignor to Tru-Vue, Inc., Rock Island, Ill., a corporation of Illinois.
Application May 27, 1948, Serial No. 146,641
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a picture viewer, substantially as shown.

152,203
DESIGN FOR A HAIRBRUSH
Joseph W. Mayer, Troy, N. Y., assignor, by mesne assignments, to Tek Hughes, Inc., a corporation of New York
Application December 13, 1946, Serial No. 135,480
Term of patent 14 years
(Cl. D86—10)



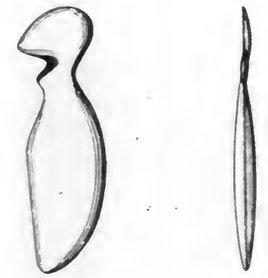
The ornamental design for a hairbrush, as shown and described.

152,204
DESIGN FOR A CANDLEHOLDER
Roy W. Meldrum, St. Paul, Minn.
Application March 26, 1947, Serial No. 137,891
Term of patent 7 years
(Cl. D48—2)



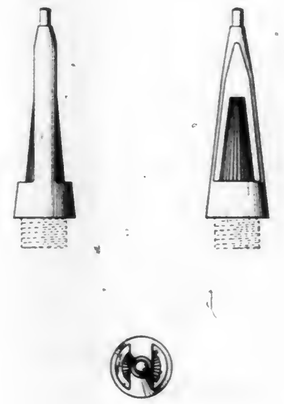
The ornamental design for a candleholder, as shown.

152,205
DESIGN FOR AN ORANGE PEELER
Arthur Miller, New York, N. Y.
Application October 29, 1947, Serial No. 142,193
Term of patent 7 years
(Cl. D22—3)



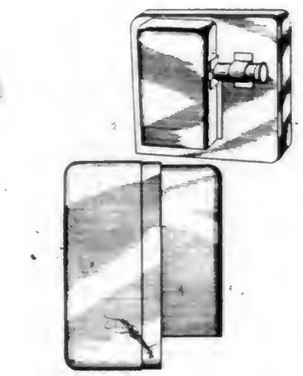
The ornamental design for an orange peeler, substantially as shown.

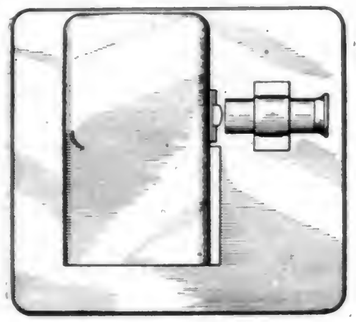
152,206
DESIGN FOR A TIP FOR A MECHANICAL PENCIL
Lucifer J. Most, Dover, N. J.
Application September 12, 1947, Serial No. 141,351
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a tip for a mechanical pencil, as shown.

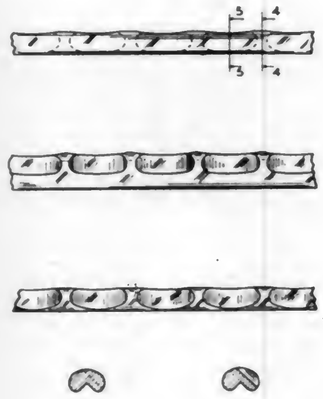
152,207
DESIGN FOR A PROJECTOR
Otto R. Nemeth, Chicago, Ill.
Application November 18, 1946, Serial No. 134,865
Term of patent 14 years
(Cl. D61—1)





The ornamental design for a projector, as shown and described.

152,208
DESIGN FOR LENS RIM MATERIAL FOR SPECTACLE FRAMES
Martin J. O'Dea, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 12, 1947, Serial No. 137,544
Term of patent 14 years
(Cl. D57—1)



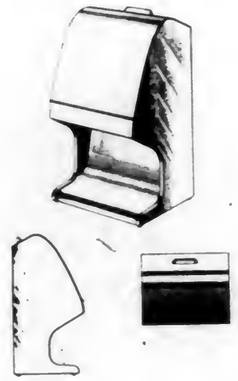
The ornamental design for lens rim material for spectacle frames, substantially as shown and described.

152,209
DESIGN FOR A SLIPPER
William M. Page, Marblehead, Mass.
Application May 27, 1947, Serial No. 139,304
Term of patent 14 years
(Cl. D7—7)



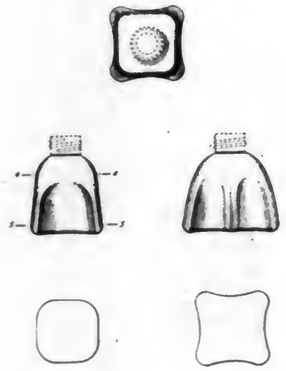
The ornamental design for a slipper, substantially as shown and described.

152,210
DESIGN FOR A DISPENSER CABINET FOR PAPER CUPS OR THE LIKE
Albert A. Perelman, Brooklyn, N. Y., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application December 27, 1946, Serial No. 135,807
Term of patent 14 years
(Cl. D52—2)



The ornamental design for a dispenser cabinet for paper cups or the like, substantially as shown.

152,211
DESIGN FOR A BOTTLE
Joseph B. Platt, New York, N. Y., assignor to Pond's Extract Company, New York, N. Y., a corporation of Delaware
Application May 23, 1947, Serial No. 139,247
Term of patent 7 years
(Cl. D58—6)



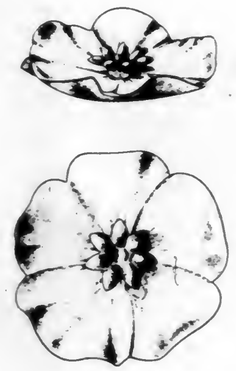
The ornamental design for a bottle, substantially as shown and described.

152,212
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Clifford Potts, Zanesville, Ohio, assignor to Louis A. Butler and Arvilla K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio
Application December 30, 1947, Serial No. 143,439
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray or similar article, substantially as shown.

152,213
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Clifford Potts, Zanesville, Ohio, assignor to Louis A. Butler and Arvilla K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio
Application January 7, 1948, Serial No. 143,570
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray or similar article, substantially as shown.

152,214
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Clifford Potts, Zanesville, Ohio, assignor to Louis A. Butler and Arvilla K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio
Application January 17, 1948, Serial No. 143,843
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray or similar article, substantially as shown.

152,215
DESIGN FOR A DISPLAY STATUETTE OR SIMILAR ARTICLE
Gordon Price, Canton, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 25, 1947, Serial No. 140,519
Term of patent 14 years
(Cl. D1—2)



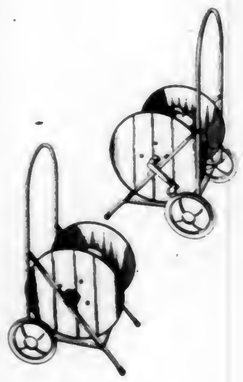
The ornamental design for a display statuette or similar article, as shown.

152,216
DESIGN FOR A COMBINED BROOCH AND LIPSTICK HOLDER
Joseph J. Quethera, Trona, Calif.
Application November 10, 1947, Serial No. 142,411
Term of patent 7 years
(Cl. D86—10)



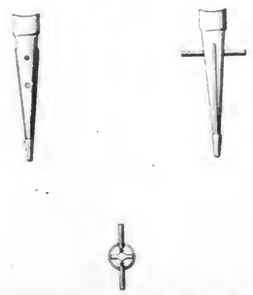
The ornamental design for a combined brooch and lipstick holder, as shown and described.

152,217
DESIGN FOR A HOSE REEL
William H. C. Rehm, South Westerlo, N. Y., assignor to Clifford B. Hannay and Son, Inc., Westerlo, N. Y., a corporation of New York
Application April 26, 1948, Serial No. 145,975
Term of patent 14 years
(Cl. D14—3)



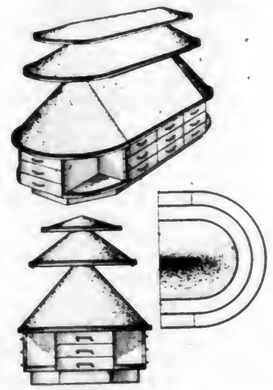
The ornamental design for a hose reel, substantially as shown.

152,218
DESIGN FOR A GOLF TEE
Leo Reifman, Jackson Heights, N. Y.
Application October 12, 1946, Serial No. 133,911
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a golf tee, as shown and described.

152,219
DESIGN FOR A CUTLERY DISPLAY CASE
Howard M. Schick, Lee's Summit, Mo.
Application December 23, 1947, Serial No. 143,291
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a cutlery display case, as shown.

152,220
DESIGN FOR A SLED
John L. Shailer, Roslyn, N. Y.
Application August 31, 1948, Serial No. 148,391
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a sled, substantially as shown.

152,221
DESIGN FOR A POSTAL SCALE
Newson Shewitz, Phyllis L. Sloane, and Anthony Vaiksnoras, Jr., Cleveland, Ohio, assignors to Accurate Parts Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 15, 1947, Serial No. 137,613
Term of patent 7 years
(Cl. D52—10)



The ornamental design for a postal scale, as shown and described.

152,222
DESIGN FOR AN EYEGLASS FRAME
George Donald Smart, Los Angeles, Calif.
Application December 29, 1947, Serial No. 143,421
Term of patent 14 years
(Cl. D57—1)



The ornamental design for an eyeglass frame, as shown.

152,214
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Clifford Potts, Zanesville, Ohio, assignor to Louis A. Butler and Arvilla K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio
Application January 17, 1948, Serial No. 143,843
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray or similar article, substantially as shown.

152,215
DESIGN FOR A DISPLAY STATUETTE OR SIMILAR ARTICLE
Gordon Price, Canton, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 25, 1947, Serial No. 140,519
Term of patent 14 years
(Cl. D1—2)



The ornamental design for a display statuette or similar article, as shown.

152,216
DESIGN FOR A COMBINED BROOCH AND LIPSTICK HOLDER
Joseph J. Quethera, Trona, Calif.
Application November 10, 1947, Serial No. 142,411
Term of patent 7 years
(Cl. D86—10)



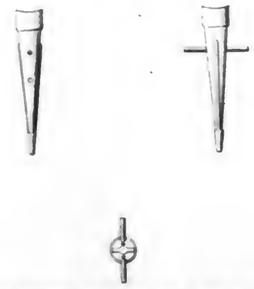
The ornamental design for a combined brooch and lipstick holder, as shown and described.

152,217
DESIGN FOR A HOSE REEL
William H. C. Rehm, South Westerlo, N. Y., assignor to Clifford B. Hannay and Son, Inc., Westerlo, N. Y., a corporation of New York
Application April 26, 1948, Serial No. 145,975
Term of patent 14 years
(Cl. D14—3)



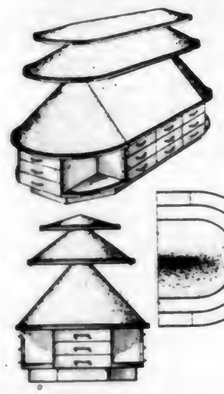
The ornamental design for a hose reel, substantially as shown.

152,218
DESIGN FOR A GOLF TEE
Leo Reifman, Jackson Heights, N. Y.
Application October 12, 1946, Serial No. 133,911
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a golf tee, as shown and described.

152,219
DESIGN FOR A CUTLERY DISPLAY CASE
Howard M. Schick, Lee's Summit, Mo.
Application December 23, 1947, Serial No. 143,291
Term of patent 14 years
(Cl. D80—9)



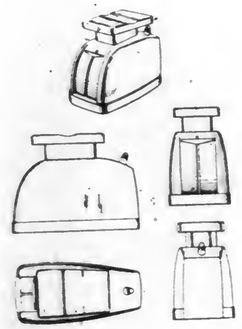
The ornamental design for a cutlery display case, as shown.

152,220
DESIGN FOR A SLED
John L. Shailer, Roslyn, N. Y.
Application August 31, 1948, Serial No. 148,391
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a sled, substantially as shown.

152,221
DESIGN FOR A POSTAL SCALE
Newson Shewitz, Phyllis L. Sloane, and Anthony Vaiksnoras, Jr., Cleveland, Ohio, assignors to Accurate Parts Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 15, 1947, Serial No. 137,613
Term of patent 7 years
(Cl. D52—10)



The ornamental design for a postal scale, as shown and described.

152,222
DESIGN FOR AN EYEGLASS FRAME
George Donald Smart, Los Angeles, Calif.
Application December 29, 1947, Serial No. 143,421
Term of patent 14 years
(Cl. D57—1)



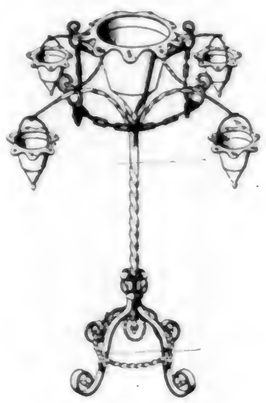
The ornamental design for an eyeglass frame, as shown.

152,223
DESIGN FOR AN EYEGLASS FRAME
George Donald Smart, Los Angeles, Calif.
Application December 29, 1947, Serial No. 143,422
Term of patent 14 years
(Cl. D57—1)



The ornamental design for an eyeglass frame, as shown.

152,224
DESIGN FOR A FLOWER STAND
Frank F. Solak, Klamath Falls, Oreg.
Application November 17, 1947, Serial No. 142,580
Term of patent 14 years
(Cl. D35—3)



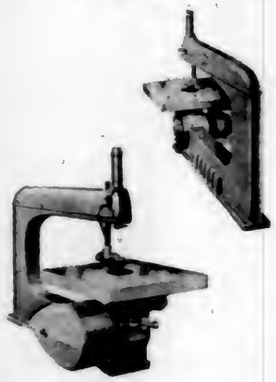
The ornamental design for a flower stand, as shown.

152,225
DESIGN FOR A BAND SAW
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 15, 1947, Serial No. 140,897
Term of patent 14 years
(Cl. D93—3)

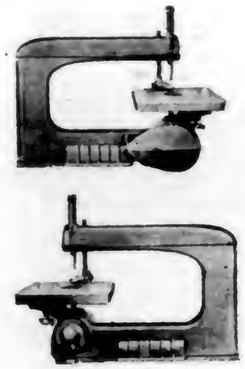


The ornamental design for a band saw, substantially as shown.

152,226
DESIGN FOR A SCROLL SAW
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 15, 1947, Serial No. 140,899
Term of patent 14 years
(Cl. D93—3)

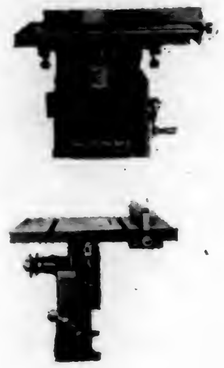


152,226—Continued

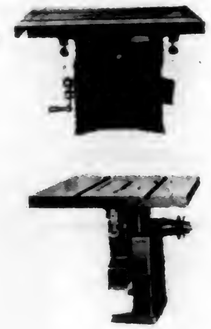


The ornamental design for a scroll saw, substantially as shown.

152,227
DESIGN FOR A CIRCULAR SAW
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 19, 1947, Serial No. 143,235
Term of patent 14 years
(Cl. D93—3)

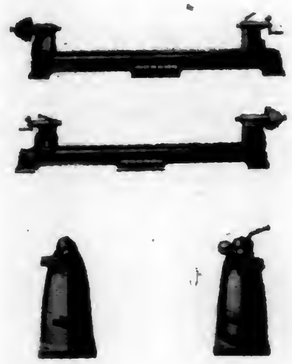


152,227—Continued



The ornamental design for a circular saw, substantially as shown.

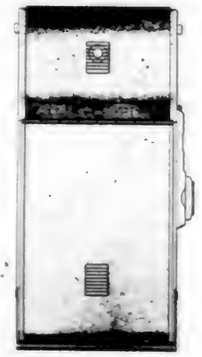
152,228
DESIGN FOR A LATHE
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 19, 1947, Serial No. 143,236
Term of patent 14 years
(Cl. D54—6)

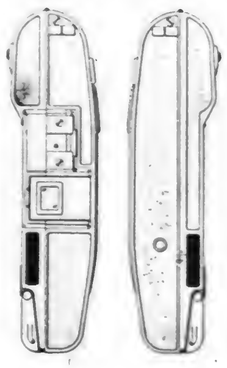


The ornamental design for a lathe, substantially as shown.

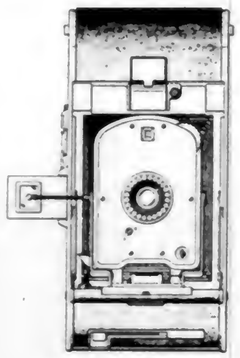
152,229
DESIGN FOR A PHOTOGRAPHIC CAMERA OR SIMILAR ARTICLE
Walter Dorwin Teague, Annandale, N. J., Robert H. Ensign, Bronxville, N. Y., and Harold R. Beal, Boston, and Murry N. Fairbank, Belmont, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application April 30, 1948, Serial No. 146,074
Term of patent 14 years
(Cl. D61—1)

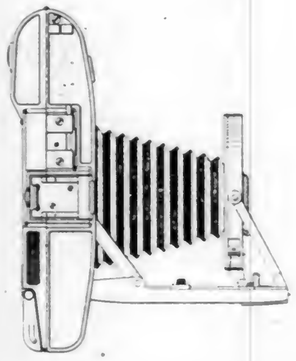






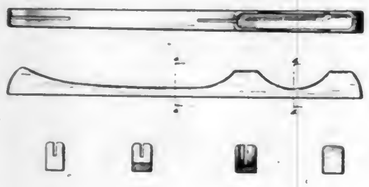
152,229—Continued





The ornamental design for a photographic camera or similar article, substantially as shown.

152,230
DESIGN FOR A KNIFE REST
William R. Vermillion, Kansas City, Mo.
Application January 8, 1947, Serial No. 136,009
Term of patent 14 years
(Cl. D44—29)



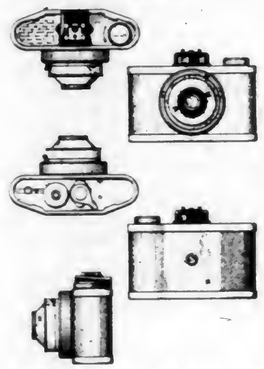
The ornamental design for a knife rest, substantially as shown.

152,231
DESIGN FOR A COMBINATION ASH TRAY AND CIGARETTE SNUFFER
George B. Weldon, East Orange, N. J.
Application October 8, 1947, Serial No. 141,802
Term of patent 7 years
(Cl. D85—2)



The ornamental design for a combination ash tray and cigarette snuffer, as shown.

152,232
DESIGN FOR A CAMERA
David C. Whitaker, New York, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application April 27, 1948, Serial No. 145,991
Term of patent 7 years
(Cl. D61—1)



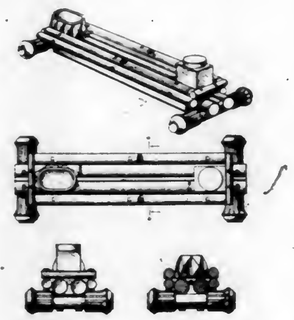
The ornamental design for a camera, as shown.

152,233
DESIGN FOR A SHOWER SANDAL
Wallace D. Wilson, Long Beach, Calif.
Application March 22, 1948, Serial No. 145,269
Term of patent 14 years
(Cl. D7—7)



The ornamental design for a shower sandal, substantially as shown.

152,234
DESIGN FOR A COMBINATION ASH TRAY AND DESK UNIT
George B. Wisecarver, Pikeville, Ky.
Application July 30, 1947, Serial No. 140,615
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a combination ash tray and desk unit, as shown.

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TEACHER—STUDENT—AVERAGE CITIZEN

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The Courts
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Department of the Treasury
Bureau of Customs
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